

Data File : VU024959.D
Acq On : 27 Jun 2018 12:08
Operator : MD/SY
Sample : VU0627MBS03
Misc : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Manual Integrations
APPROVED

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6/28/2018 4:37:02 PM

Quant Time: Jun 27 13:52:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	282885	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155690	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	134427	42.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.80%	
35) Dibromofluoromethane	4.89	113	107095	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	7.57	98	364172	42.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.06%	
62) 4-Bromofluorobenzene	10.31	95	145642	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	40175	16.724	ug/l	99
3) Chloromethane	1.33	50	40107	16.342	ug/l	98
4) Vinyl Chloride	1.40	62	45398	17.936	ug/l	99
5) Bromomethane	1.62	94	29061	23.751	ug/l	100
6) Chloroethane	1.70	64	29154	19.981	ug/l	96
7) Trichlorofluoromethane	1.89	101	74158	19.199	ug/l	99
8) Diethyl Ether	2.10	74	29173	21.105	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.29	101	45471	18.975	ug/l	97
10) Methyl Iodide	2.41	142	43666	24.542	ug/l	98
11) Tert butyl alcohol	2.82	59	68270	89.591	ug/l	98
12) 1,1-Dichloroethene	2.28	96	41335	18.915	ug/l	97
13) Acrolein	2.19	56	22402	55.983	ug/l	98
14) Allyl chloride	2.59	41	71519	17.626	ug/l	98
15) Acrylonitrile	2.94	53	137994	93.076	ug/l	98
16) Acetone	2.32	43	159644	94.831	ug/l	100
17) Carbon Disulfide	2.48	76	116452	16.642	ug/l	99
18) Methyl Acetate	2.62	43	75450	20.906	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	165488	20.146	ug/l	97
20) Methylene Chloride	2.71	84	48501	18.361	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	45238	18.795	ug/l	98
22) Diisopropyl ether	3.57	45	155313	19.309	ug/l	90
23) Vinyl Acetate	3.53	43	666193	92.458	ug/l	98
24) 1,1-Dichloroethane	3.45	63	88922	19.217	ug/l	98
25) 2-Butanone	4.26	43	209053	92.449	ug/l	99
26) 2,2-Dichloropropane	4.23	77	84639	19.263	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	53495	19.332	ug/l	98
28) Bromochloromethane	4.55	49	39904	19.579	ug/l	84
29) Tetrahydrofuran	4.64	42	127492	91.044	ug/l	97
30) Chloroform	4.68	83	93579	19.980	ug/l	100
31) Cyclohexane	5.00	56	83694	19.150	ug/l	90
32) 1,1,1-Trichloroethane	4.92	97	86054	19.869	ug/l	96
36) 1,1-Dichloropropene	5.14	75	66904	20.127	ug/l	97
37) Ethyl Acetate	4.38	43	72558	20.027	ug/l #	96
38) Carbon Tetrachloride	5.14	117	75030	20.526	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	84791	20.440	ug/l	96
40) Benzene	5.39	78	192211	20.293	ug/l	99
41) Methacrylonitrile	4.54	41	41533	21.262	ug/l	98
42) 1,2-Dichloroethane	5.41	62	80917	22.430	ug/l	100
43) Isopropyl Acetate	5.55	43	122267	19.523	ug/l	99
44) Trichloroethene	6.19	130	53696	19.919	ug/l	95
45) 1,2-Dichloropropane	6.44	63	51282	20.291	ug/l	99
46) Dibromomethane	6.56	93	37662	21.215	ug/l	94
47) Bromodichloromethane	6.76	83	71527	20.234	ug/l	97
48) Methyl methacrylate	6.63	41	62738	20.573	ug/l	97
49) 1,4-Dioxane	6.62	88	28571	479.081	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	384834	97.810	ug/l	98
52) Toluene	7.64	92	124734	20.469	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	78163	19.689	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	81689	19.311	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	52162	21.058	ug/l	96
56) Ethyl methacrylate	8.02	69	82162	19.817	ug/l	99
57) 1,3-Dichloropropane	8.25	76	88838	21.260	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	33348	20.995	ug/l	93
59) 2-Hexanone	8.36	43	305337	95.057	ug/l	99
60) Dibromochloromethane	8.48	129	59031	19.110	ug/l	99
61) 1,2-Dibromoethane	8.59	107	55202	20.022	ug/l	98
64) Tetrachloroethene	8.23	164	50323	20.089	ug/l	99
65) Chlorobenzene	9.12	112	143222	21.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53331	20.850	ug/l	97
67) Ethyl Benzene	9.25	91	245433	20.795	ug/l	97
68) m/p-Xylenes	9.38	106	189365	41.782	ug/l	99
69) o-Xylene	9.78	106	94471	21.062	ug/l	97
70) Styrene	9.80	104	148550	20.154	ug/l	99
71) Bromoform	9.96	173	45252	18.613	ug/l #	98
73) Isopropylbenzene	10.17	105	254608	21.300	ug/l	100
74) N-amyl acetate	10.01	43	105236	18.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	83444	20.832	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	74644m	21.777	ug/l	
77) Bromobenzene	10.45	156	65761	21.731	ug/l	93
78) n-propylbenzene	10.59	91	284610	20.213	ug/l	97
79) 2-Chlorotoluene	10.66	91	173729	20.922	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	221731	21.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	27470m	18.548	ug/l	
82) 4-Chlorotoluene	10.78	91	200297	20.725	ug/l	100
83) tert-Butylbenzene	11.10	119	218419	21.917	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	222230	21.048	ug/l	99
85) sec-Butylbenzene	11.33	105	262938	21.078	ug/l	97
86) p-Isopropyltoluene	11.48	119	232732	20.831	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	117672	21.048	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	116119	20.636	ug/l	98
89) n-Butylbenzene	11.89	91	191435	19.300	ug/l	98
90) Hexachloroethane	12.15	117	39592	18.166	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	120801	21.572	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21028	19.026	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062718\
Quantitation Report (QT Reviewed)

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QLast Update : Wed Jun 13 13:55:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	76629	22.160	ug/l	98
94) Hexachlorobutadiene	13.70	225	41877	21.515	ug/l	97
95) Naphthalene	13.75	128	247737	22.026	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	80036	23.228	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU024959.D

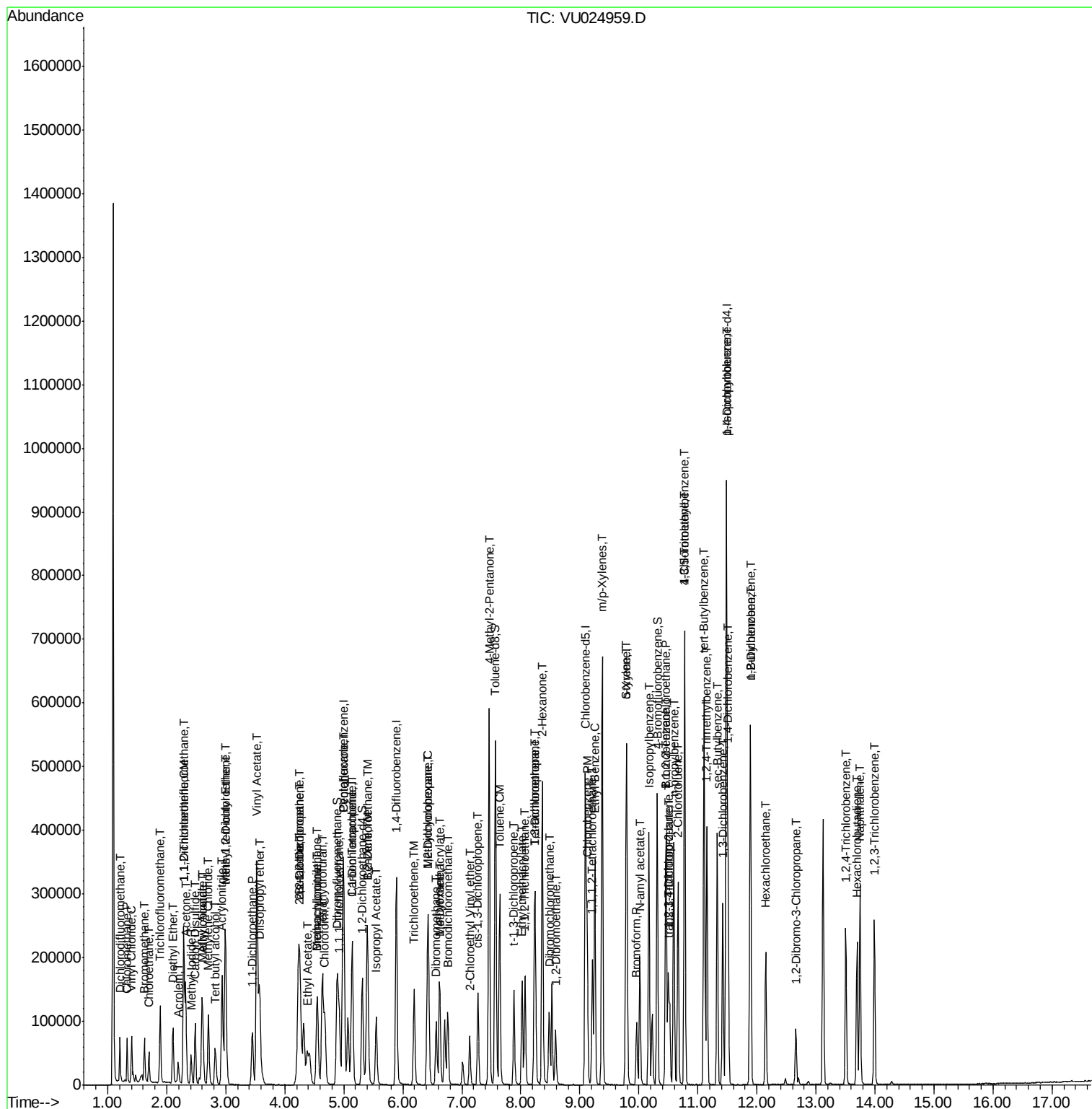
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Acq On       : 27 Jun 2018   12:08
Operator    : MD/SY
Sample      : VU0627MBS03
Misc       : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
ALS Vial    : 6      Sample Multiplier: 1
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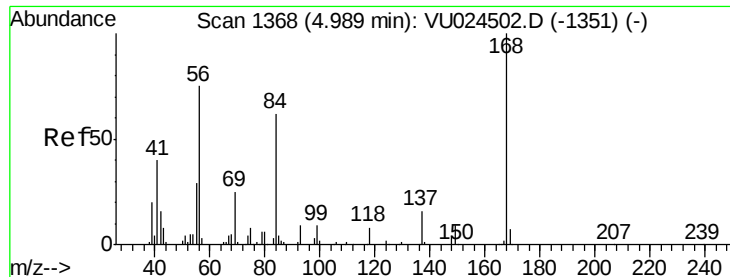
Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED

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6/28/2018 4:37:02 PM

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion:168 Resp: 191924

Ion Ratio Lower Upper

168 100

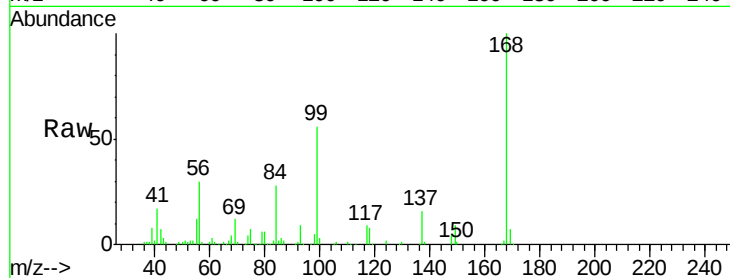
99 55.2 43.2 64.8

Manual Integrations

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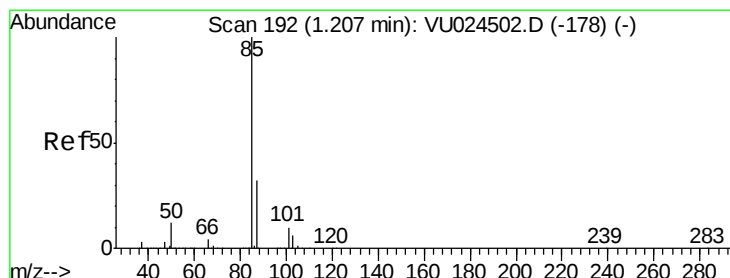
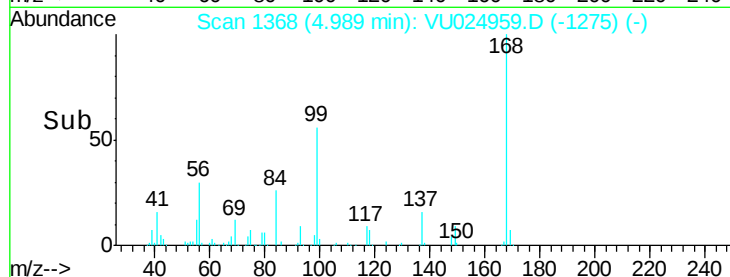
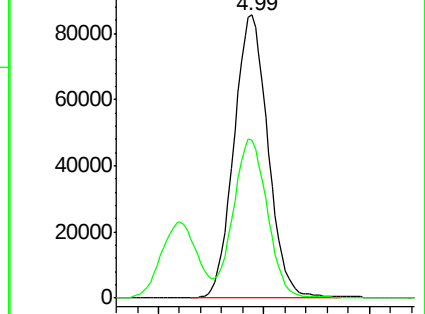
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 16.724 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024959.D

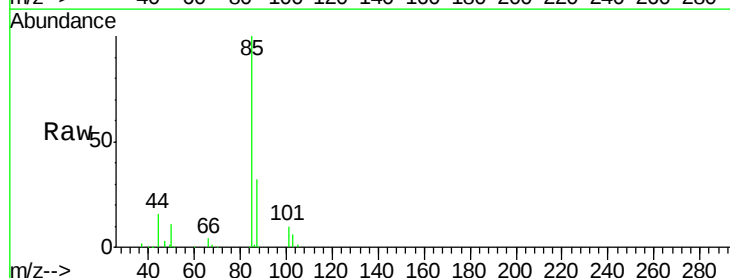
Acq: 27 Jun 2018 12:08

Tgt Ion: 85 Resp: 40175

Ion Ratio Lower Upper

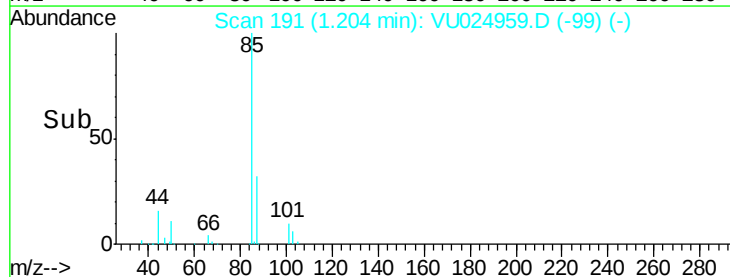
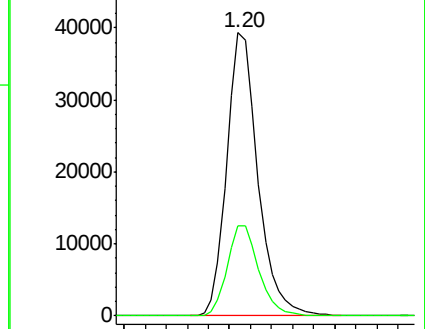
85 100

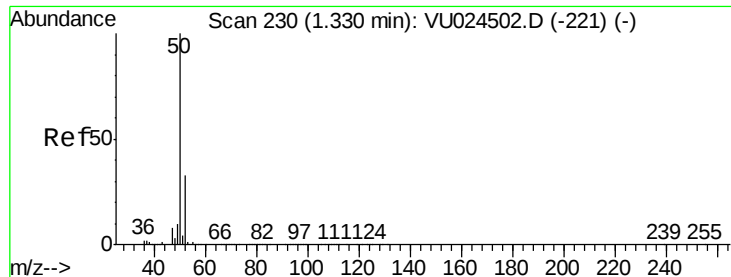
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 16.342 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 50 Resp: 40107

Ion Ratio Lower Upper

50 100

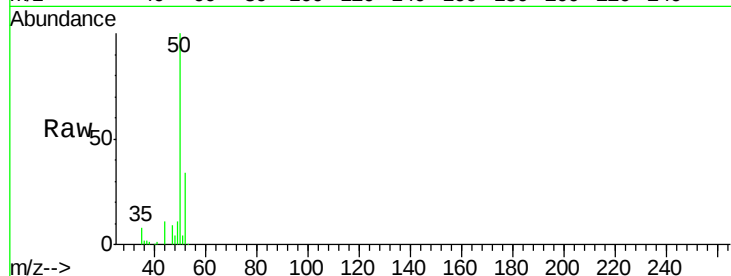
52 34.3 26.4 39.6

Manual Integrations

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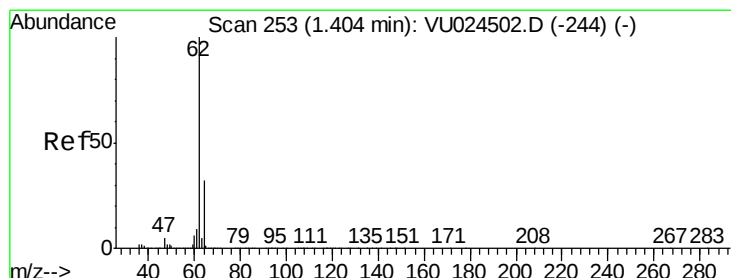
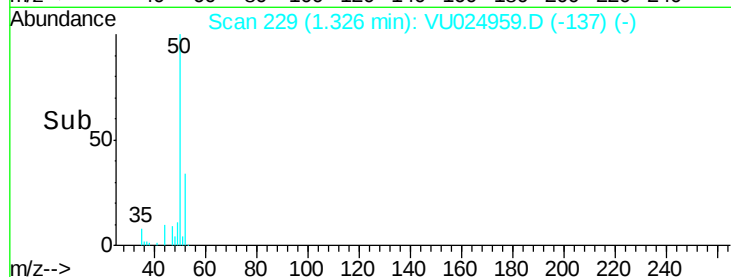
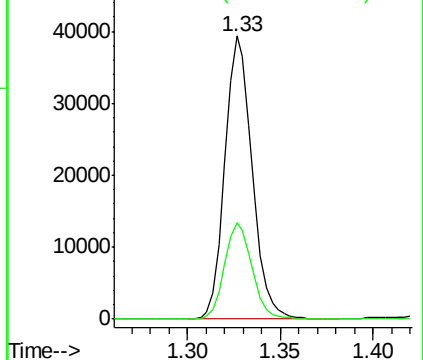
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.936 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024959.D

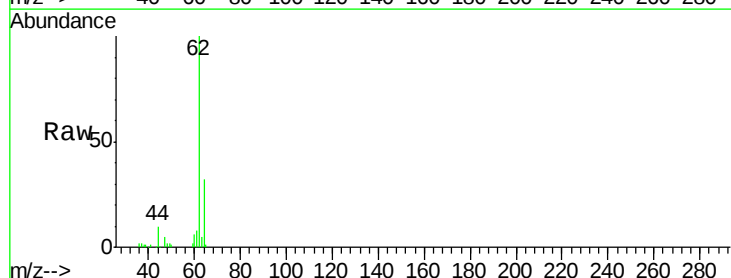
Acq: 27 Jun 2018 12:08

Tgt Ion: 62 Resp: 45398

Ion Ratio Lower Upper

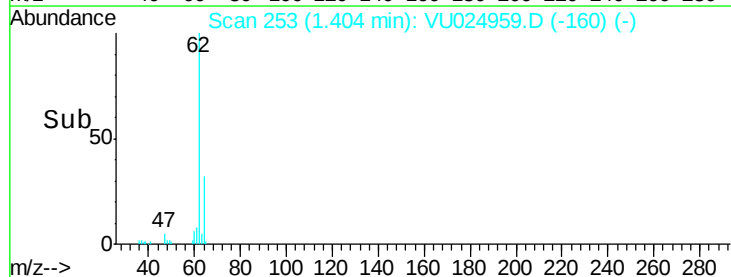
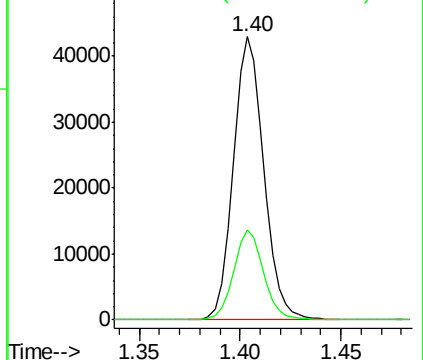
62 100

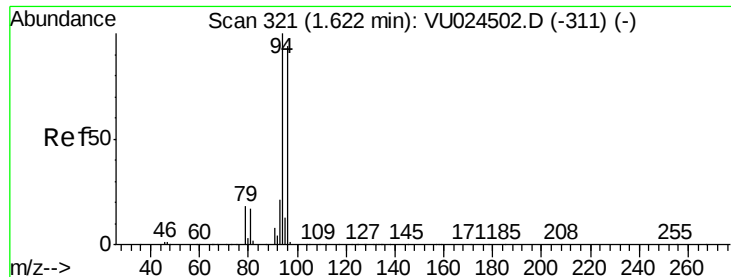
64 31.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 23.751 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

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VU0627MBS03

Tgt Ion: 94 Resp: 29061

Ion Ratio Lower Upper

94 100

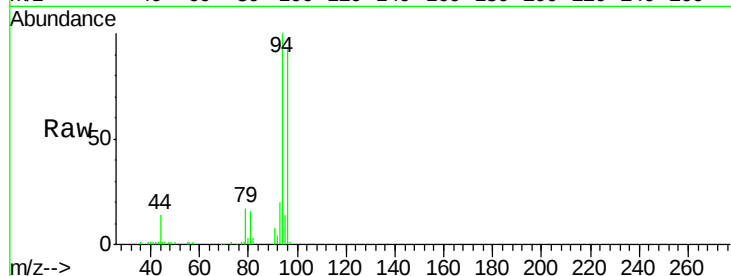
96 92.8 74.5 111.7

Manual Integrations

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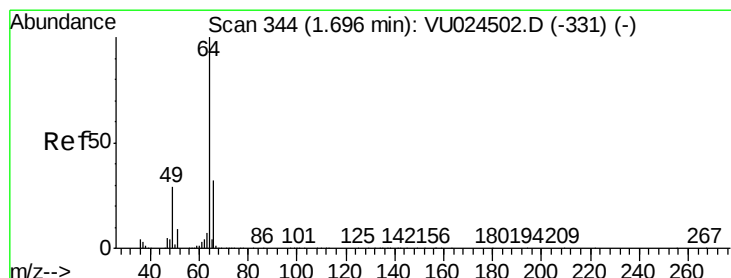
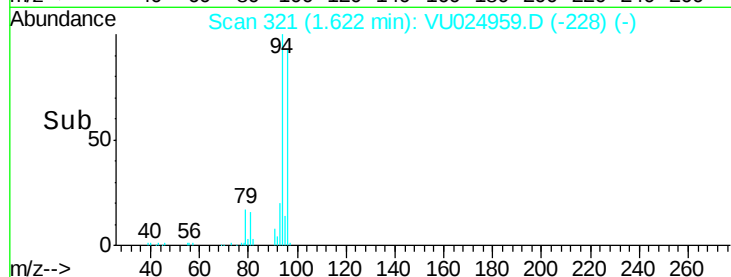
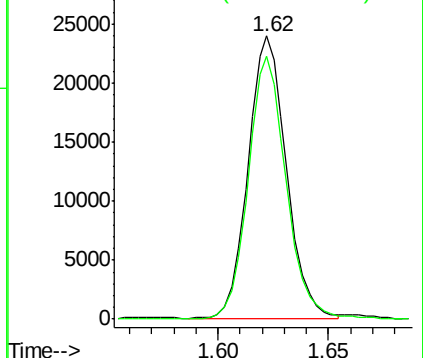
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.981 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024959.D

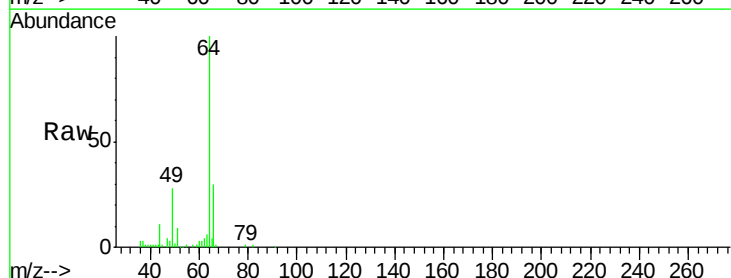
Acq: 27 Jun 2018 12:08

Tgt Ion: 64 Resp: 29154

Ion Ratio Lower Upper

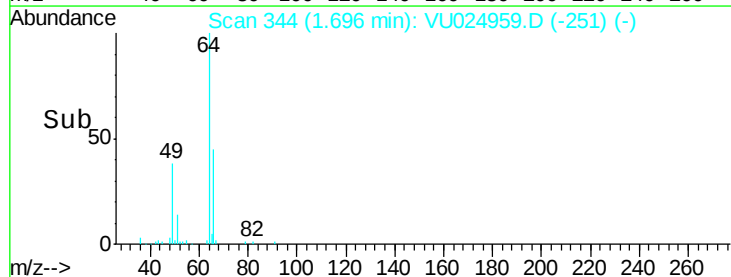
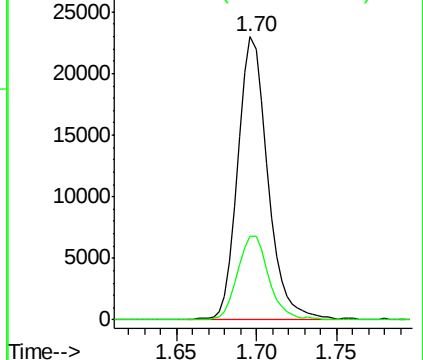
64 100

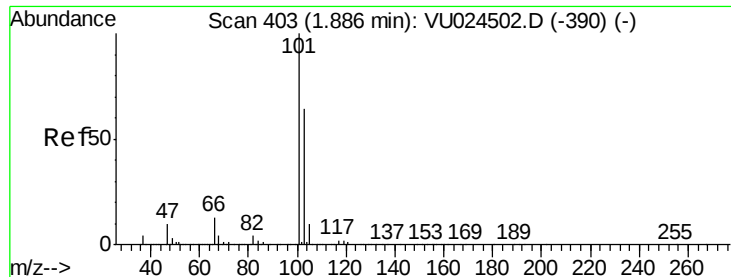
66 29.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

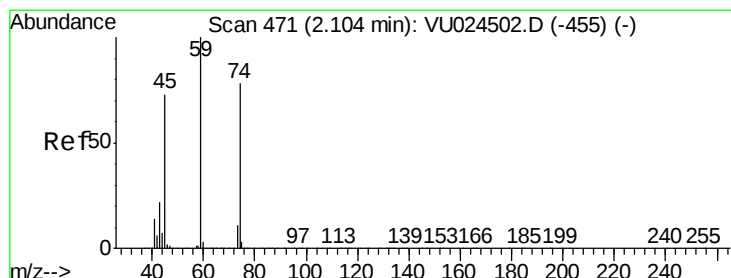
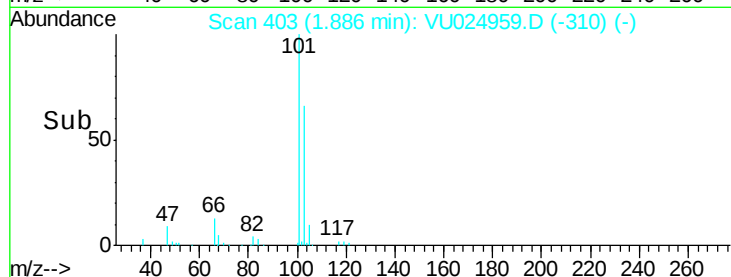
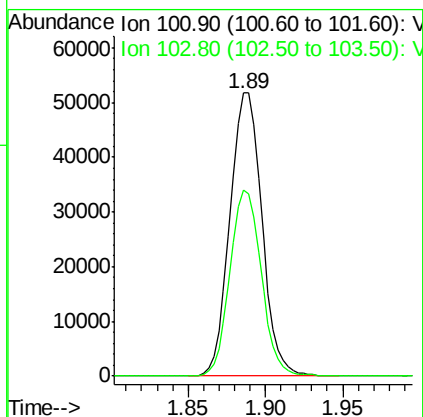
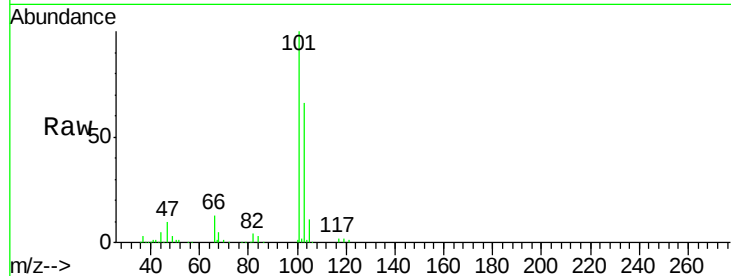
Trichlorofluoromethane
Concen: 19.199 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024959.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.3	78.5

Manual Integrations
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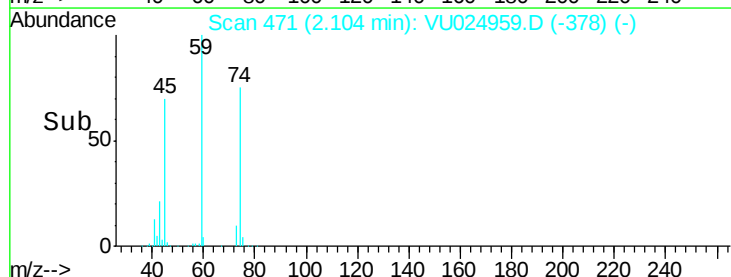
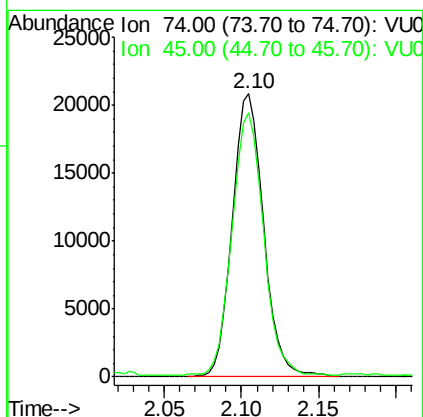
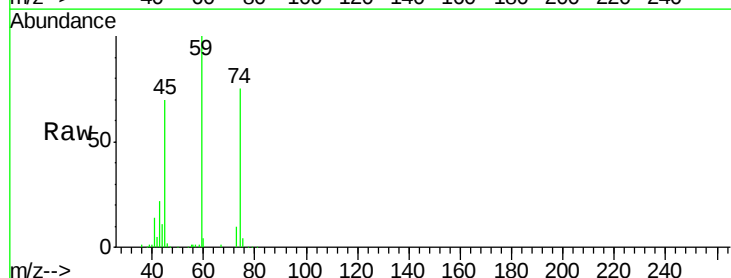
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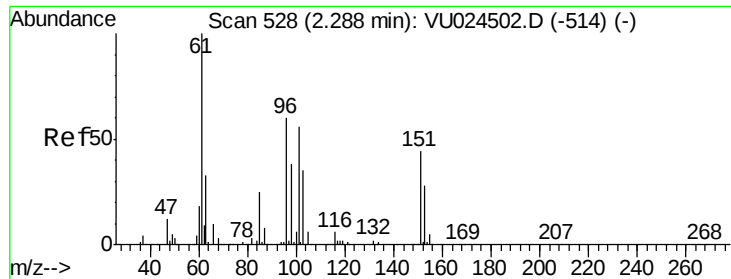


#8

Diethyl Ether
Concen: 21.105 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.975 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

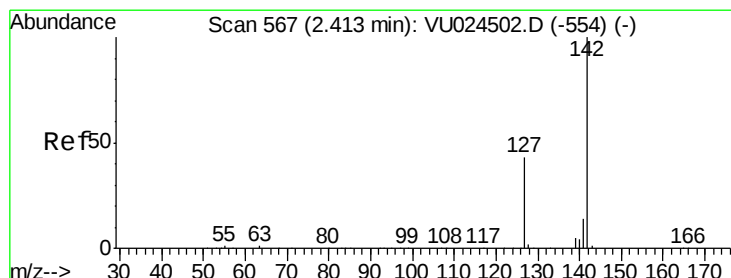
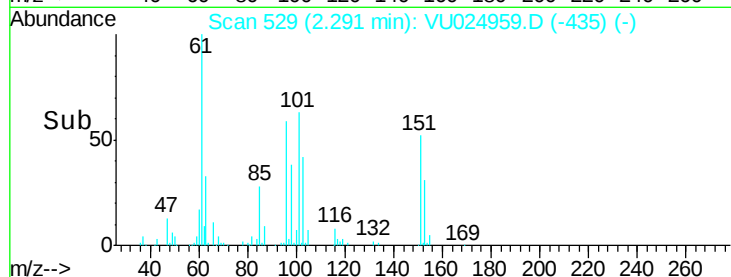
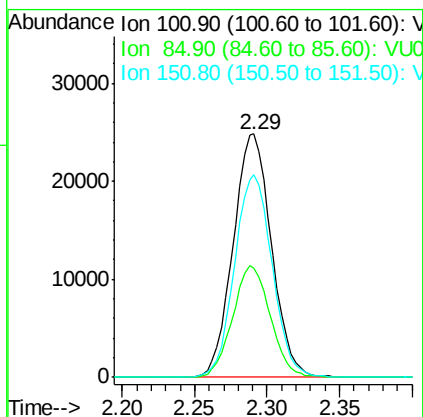
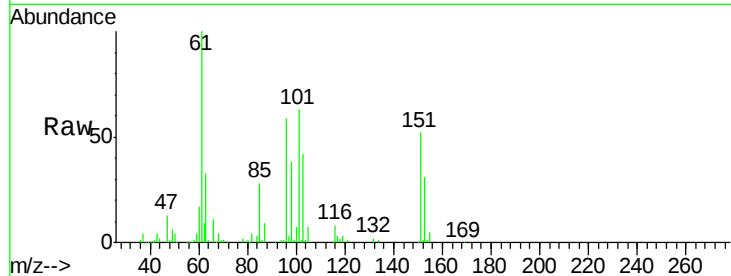
ClientSampleId :

VU0627MBS03

Tgt Ion:	101	Resp:	45471
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	82.0	62.3	93.5

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#10

Methyl Iodide

Concen: 24.542 ug/l

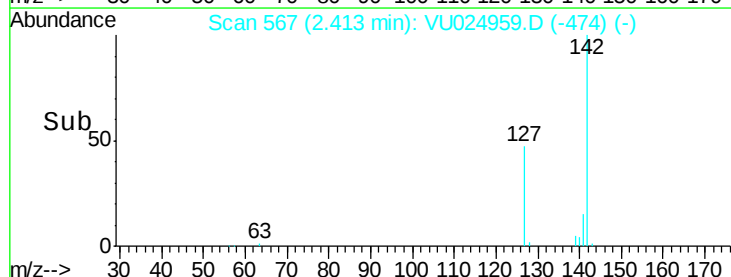
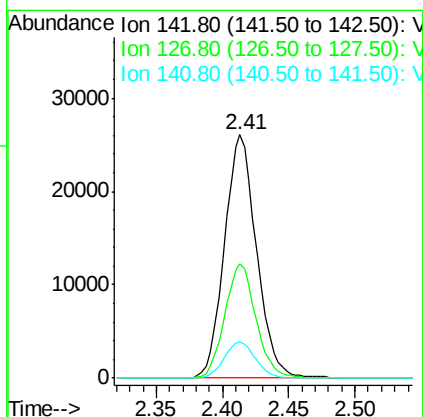
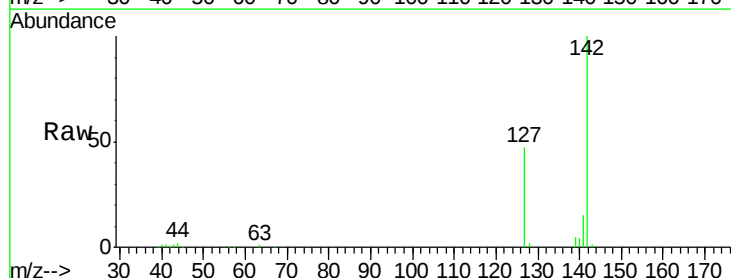
RT: 2.41 min Scan# 567

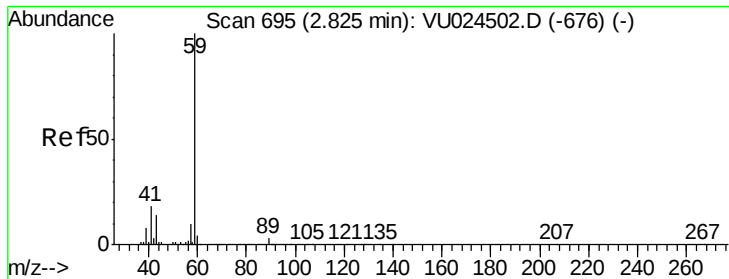
Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion:	142	Resp:	43666
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.6	53.4
141	14.3	11.7	17.5





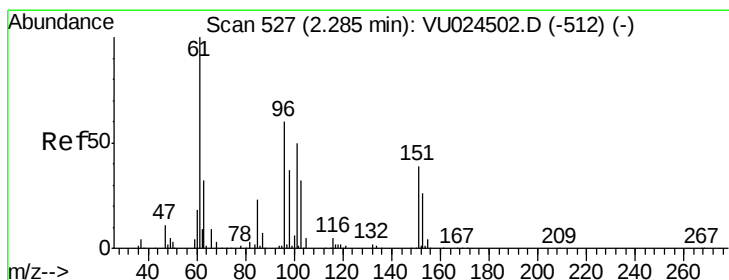
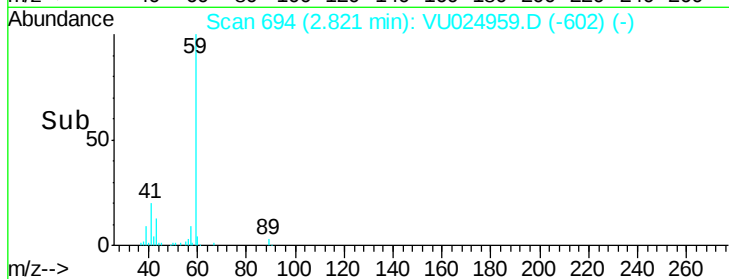
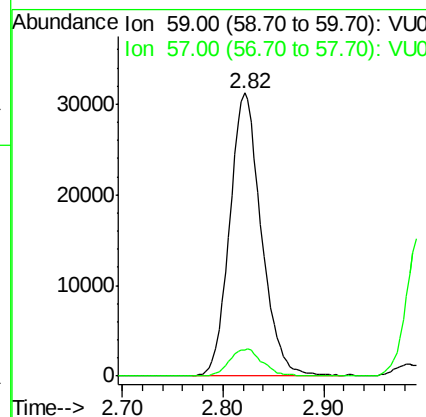
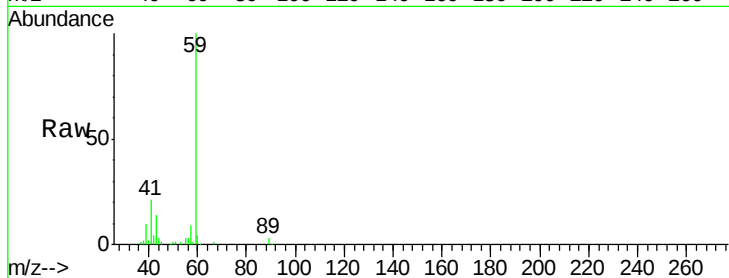
#11
Tert butyl alcohol
Concen: 89.591 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

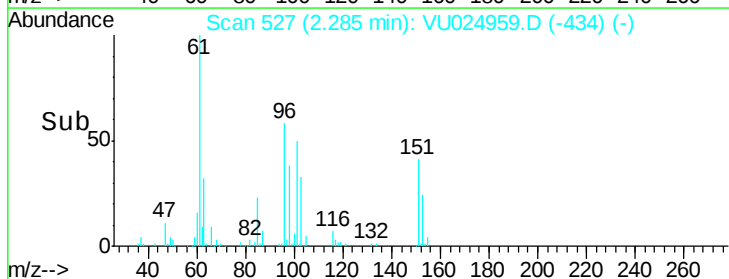
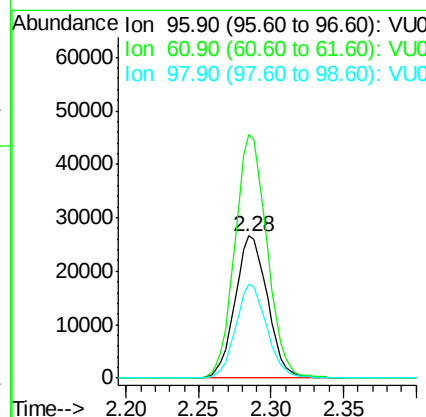
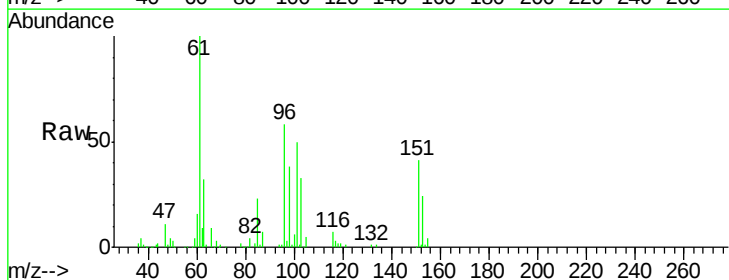
Manual Integrations
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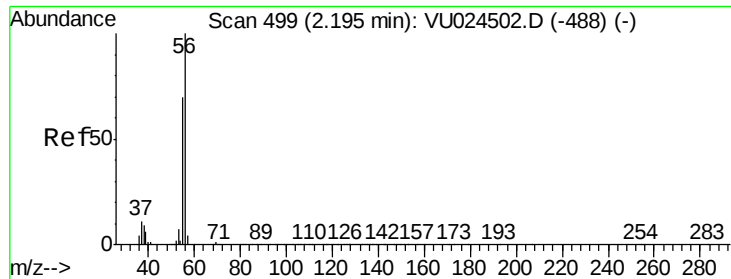
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.915 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	141.7	212.5
98	66.0	51.6	77.4





#13

Acrolein

Concen: 55.983 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 56 Resp: 22402

Ion Ratio Lower Upper

56 100

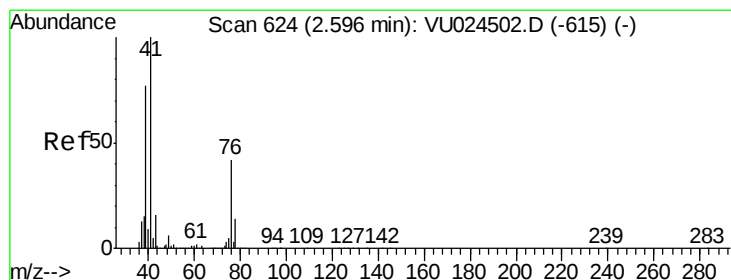
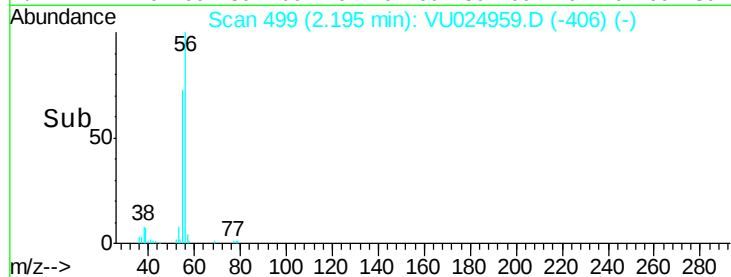
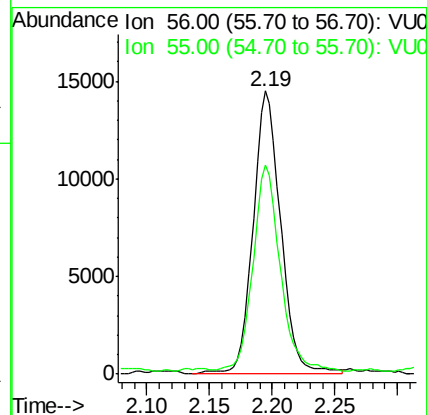
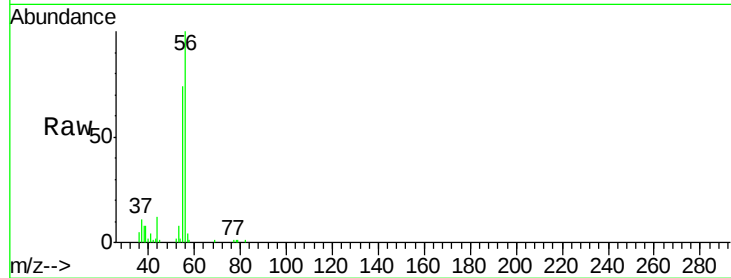
55 70.9 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.626 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

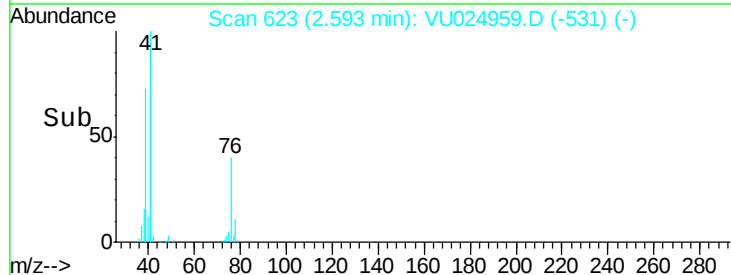
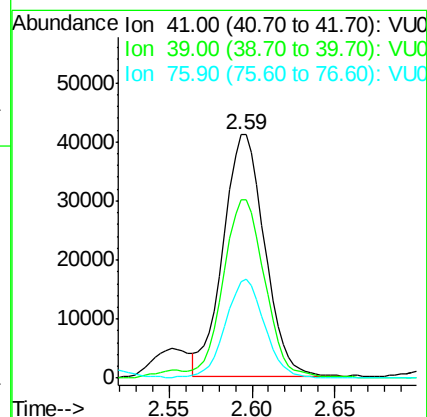
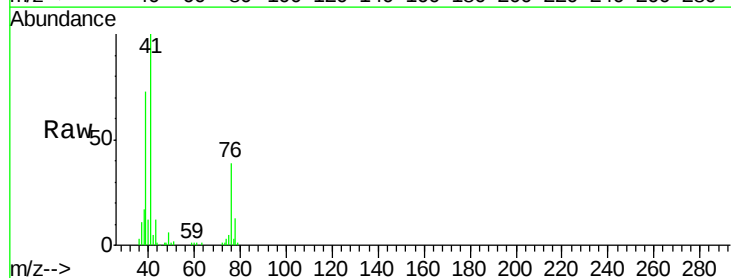
Tgt Ion: 41 Resp: 71519

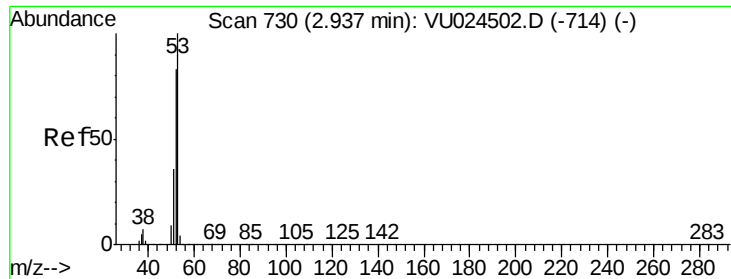
Ion Ratio Lower Upper

41 100

39 74.4 61.6 92.4

76 37.9 29.7 44.5





#15

Acrylonitrile

Concen: 93.076 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

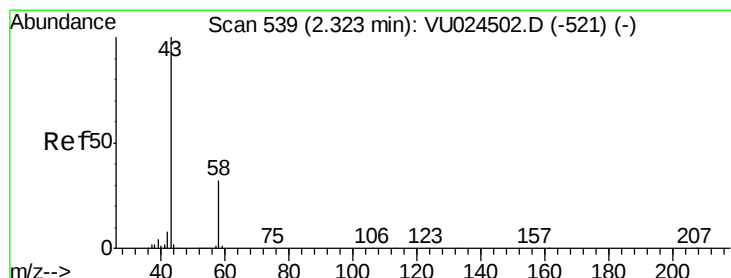
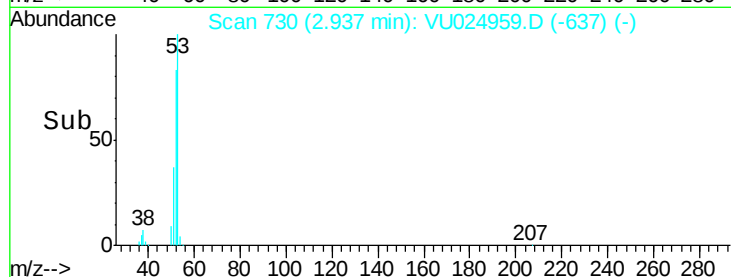
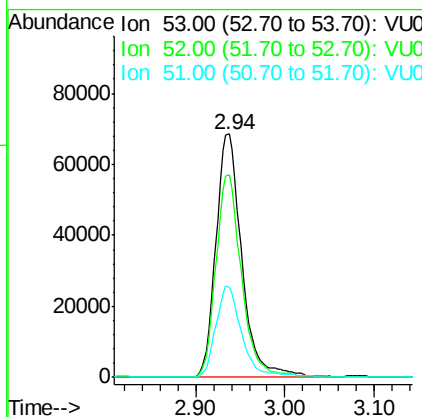
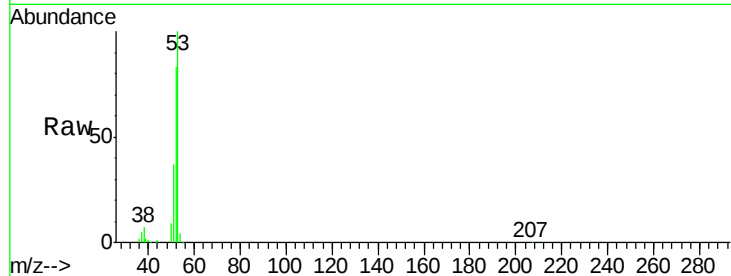
ClientSampleId :

VU0627MBS03

Tgt Ion:	53	Resp:	137994
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.1	100.7
51	37.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 94.831 ug/l

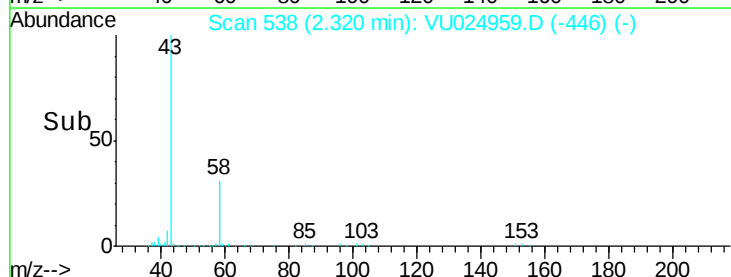
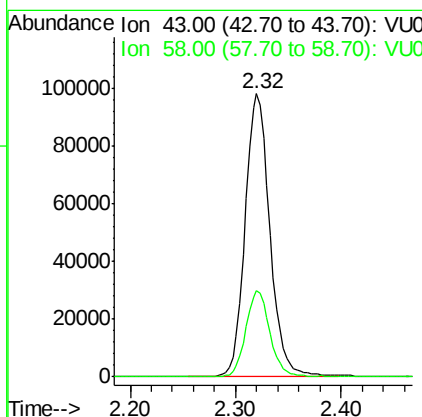
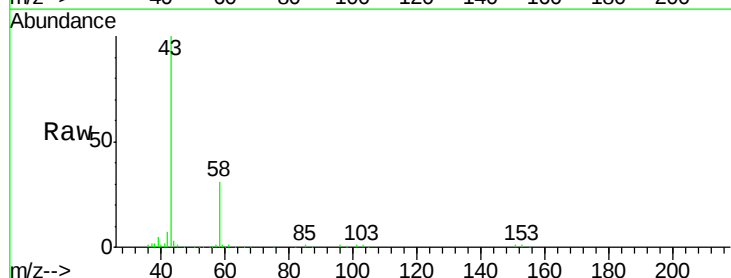
RT: 2.32 min Scan# 538

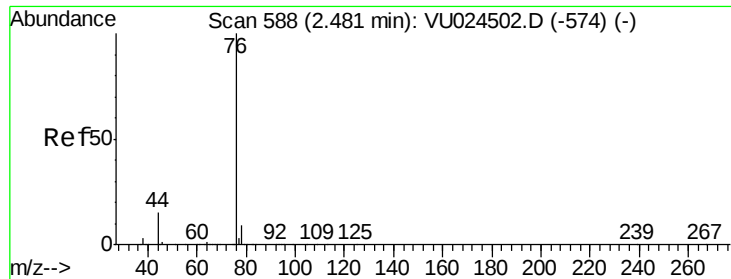
Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion:	43	Resp:	159644
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.4	36.6





#17

Carbon Disulfide

Concen: 16.642 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 76 Resp: 116452

Ion Ratio Lower Upper

76 100

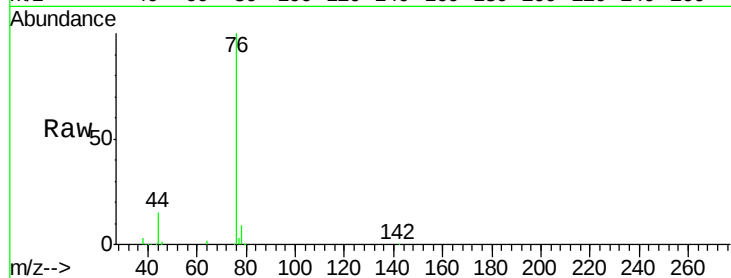
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

80000

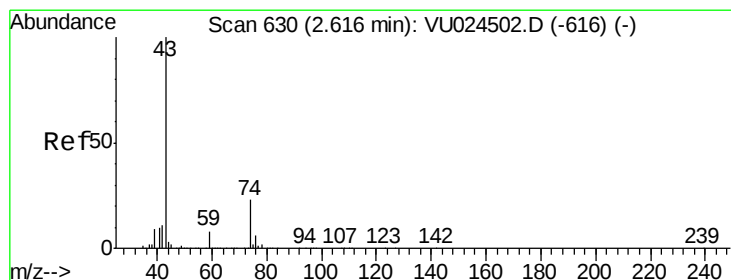
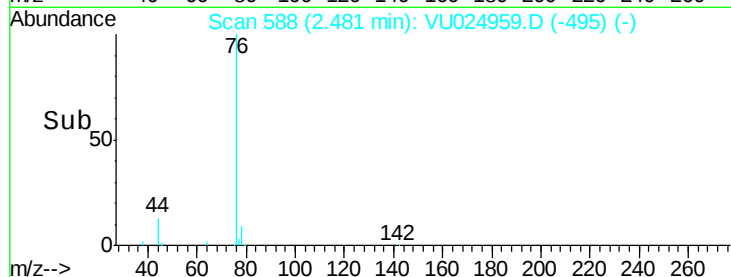
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.906 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024959.D

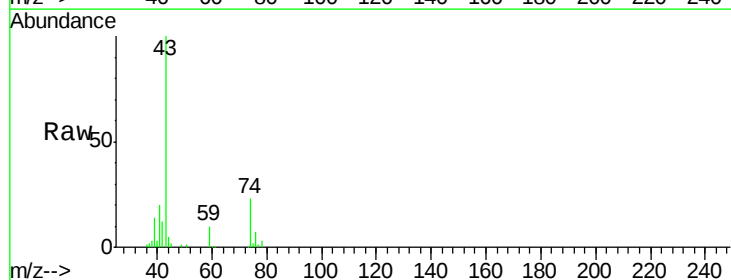
Acq: 27 Jun 2018 12:08

Tgt Ion: 43 Resp: 75450

Ion Ratio Lower Upper

43 100

74 24.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

50000

40000

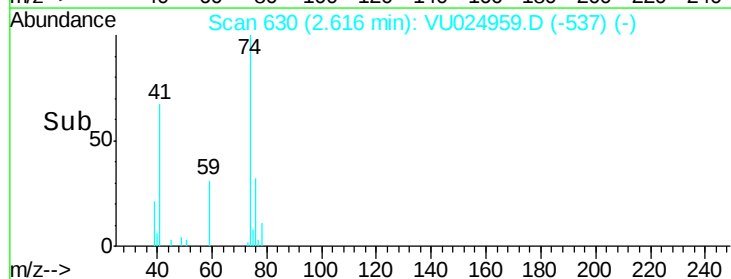
30000

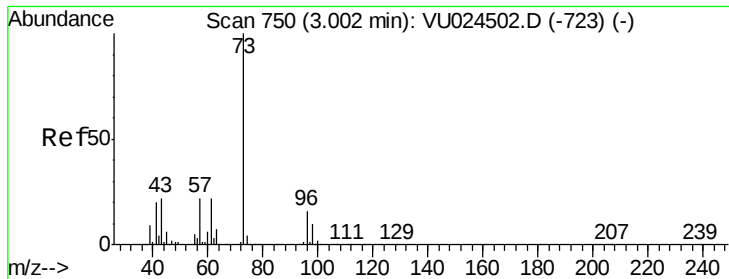
20000

10000

0

Time-->





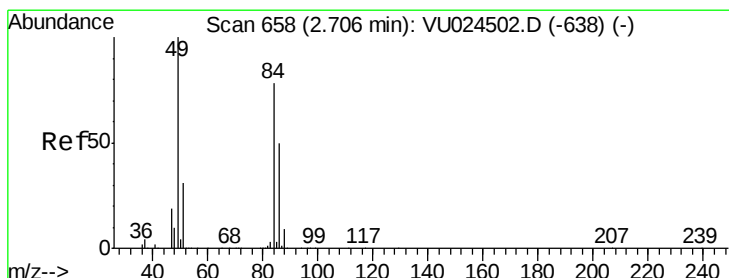
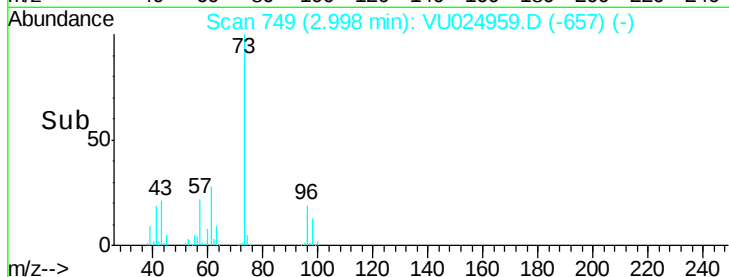
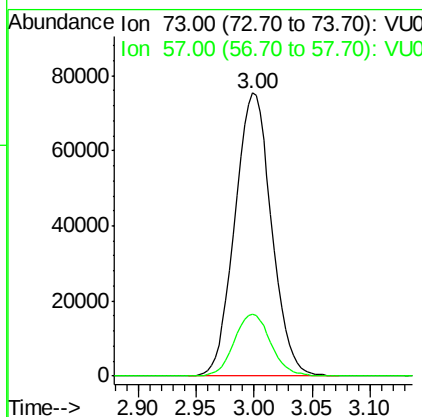
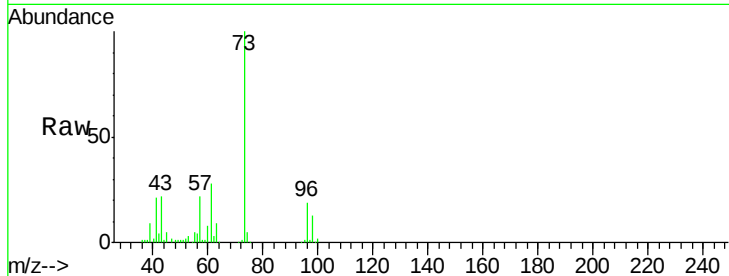
#19
Methyl tert-butyl Ether
Concen: 20.146 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.8	28.2

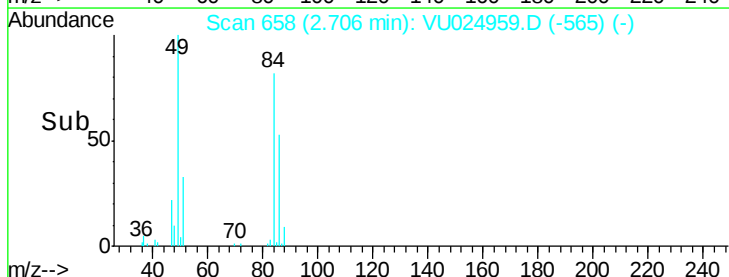
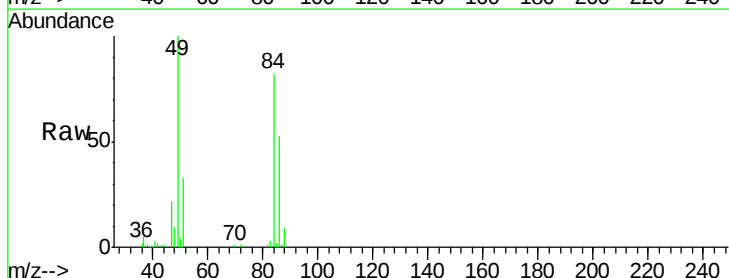
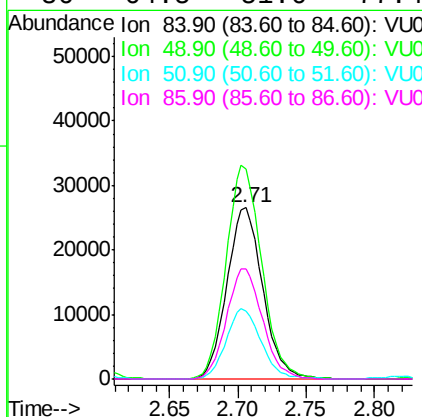
Manual Integrations
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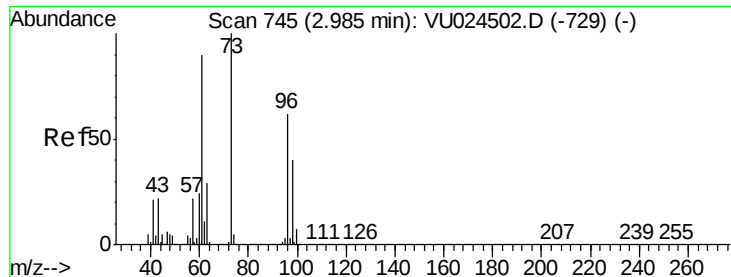
MMDadoda
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#20
Methylene Chloride
Concen: 18.361 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	103.8	155.8
51	40.0	32.0	48.0
86	64.5	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 18.795 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

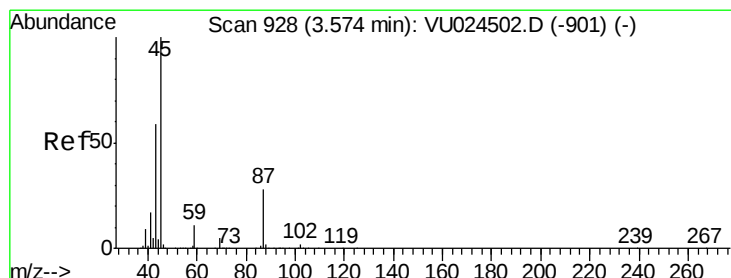
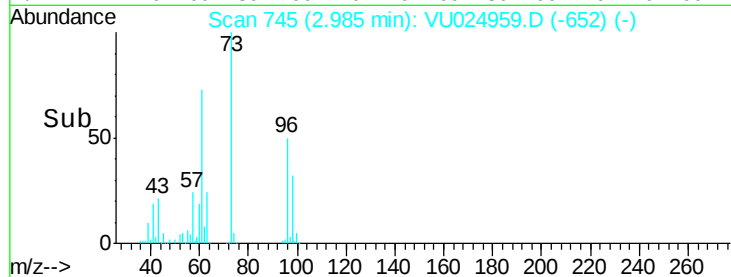
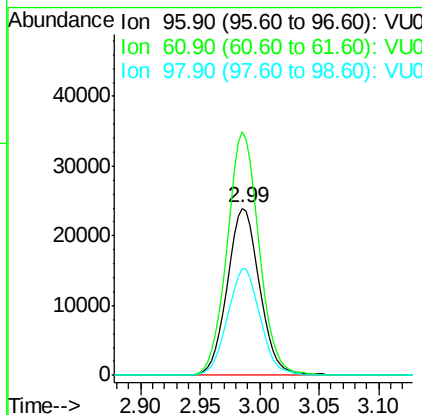
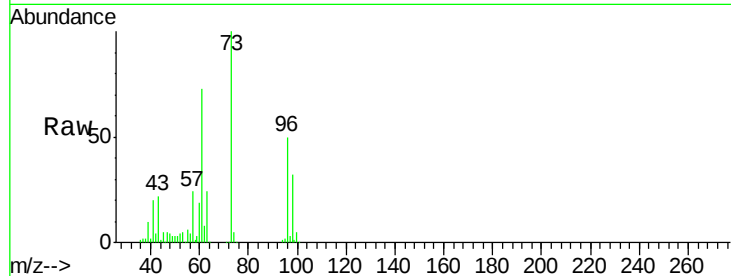
ClientSampleId :

VU0627MBS03

Tgt Ion:	96	Resp:	45238
Ion	Ratio	Lower	Upper
96	100		
61	145.6	119.4	179.0
98	63.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.309 ug/l

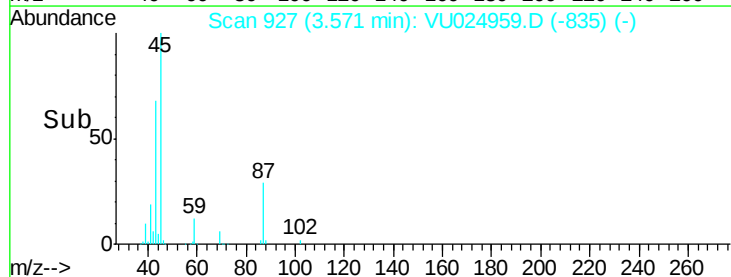
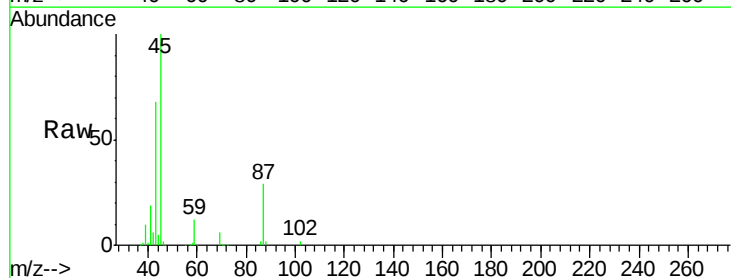
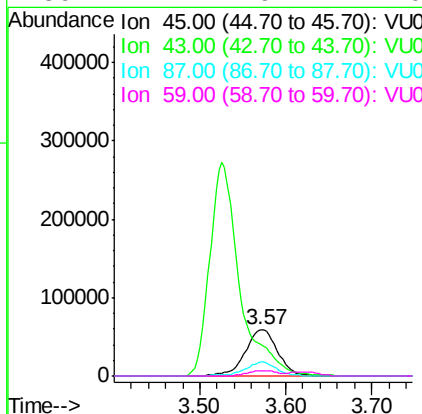
RT: 3.57 min Scan# 927

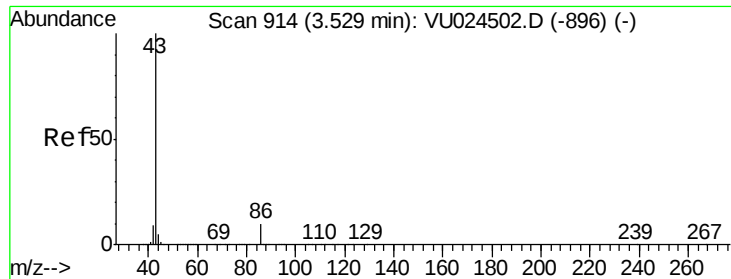
Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion:	45	Resp:	155313
Ion	Ratio	Lower	Upper
45	100		
43	66.6	45.8	68.6
87	29.0	20.6	31.0
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 92.458 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 43 Resp: 666193

Ion Ratio Lower Upper

43 100

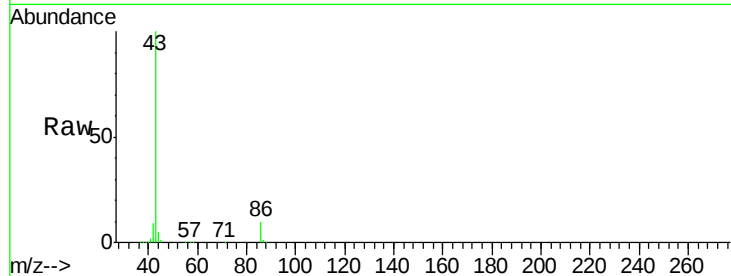
86 10.4 7.8 11.8

Manual Integrations

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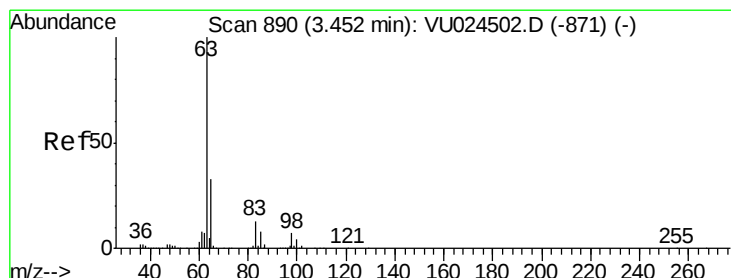
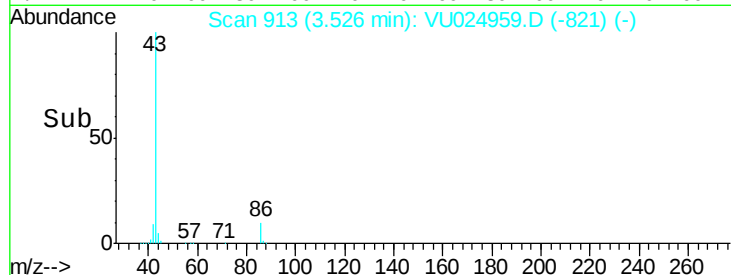
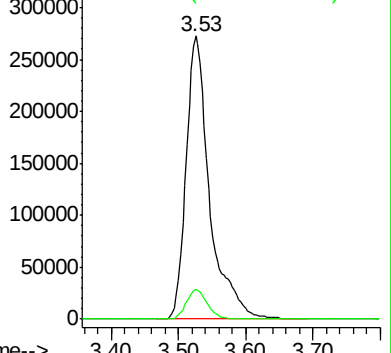
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 19.217 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

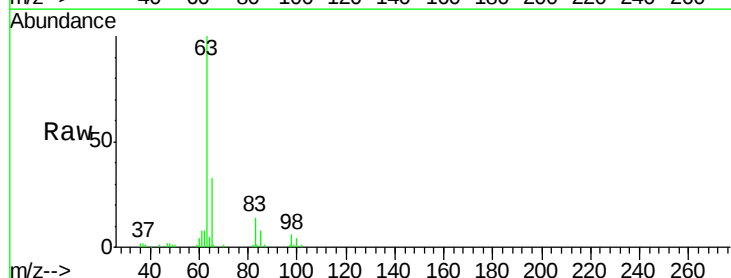
Tgt Ion: 63 Resp: 88922

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

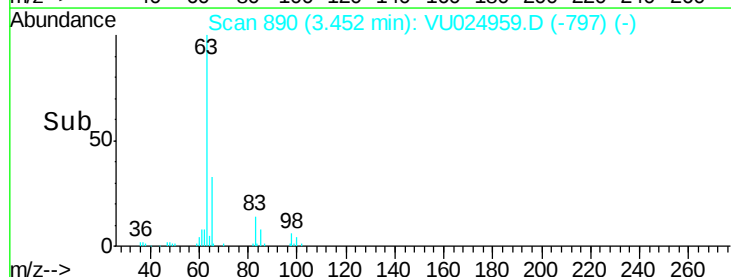
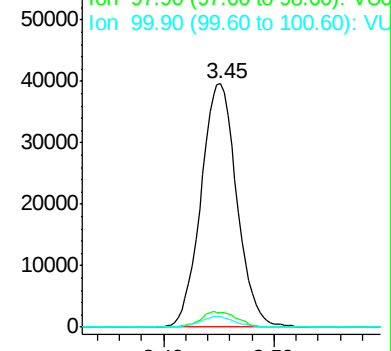
100 4.3 1.8 5.5

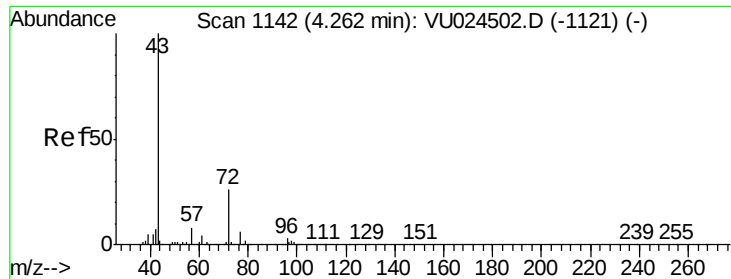


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





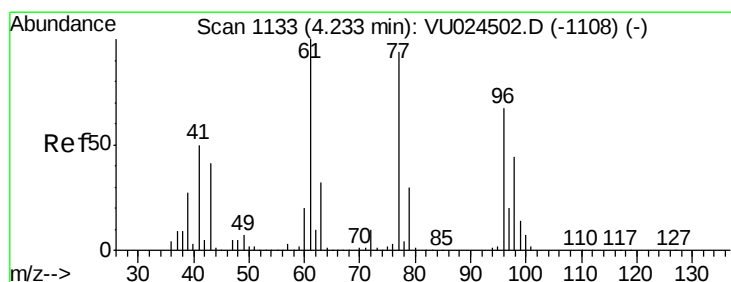
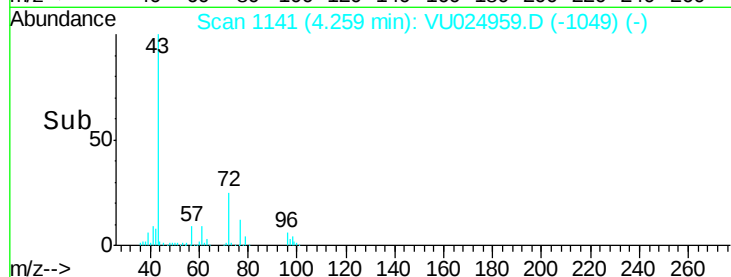
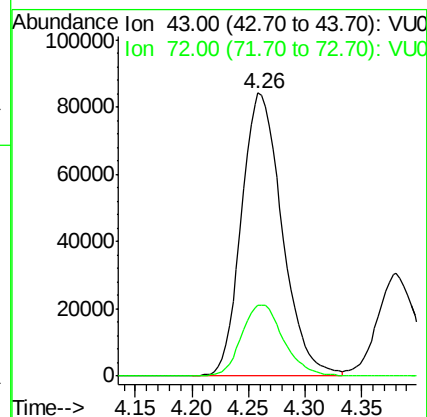
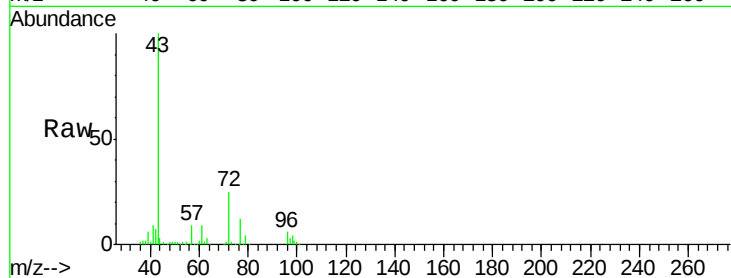
#25
2-Butanone
Concen: 92.449 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion: 43 Resp: 209053
Ion Ratio Lower Upper
43 100
72 25.1 19.6 29.4

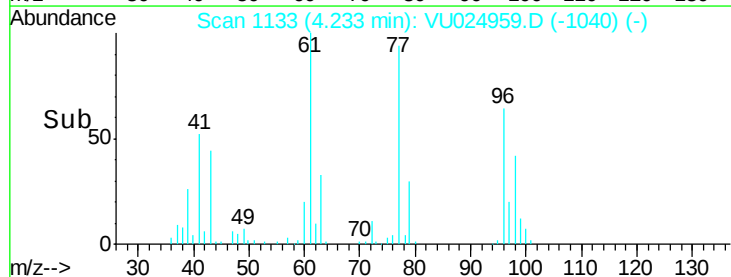
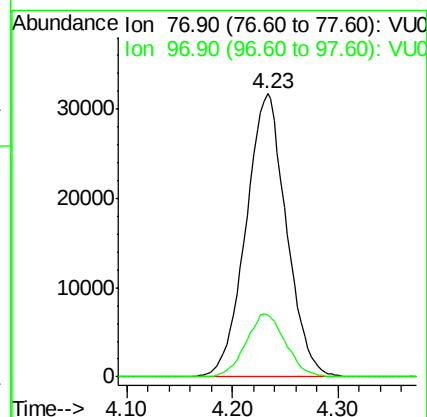
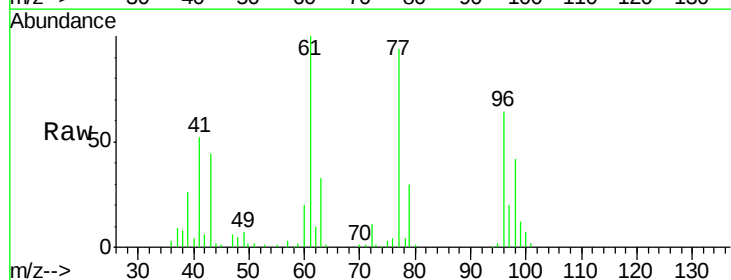
Manual Integrations
APPROVED

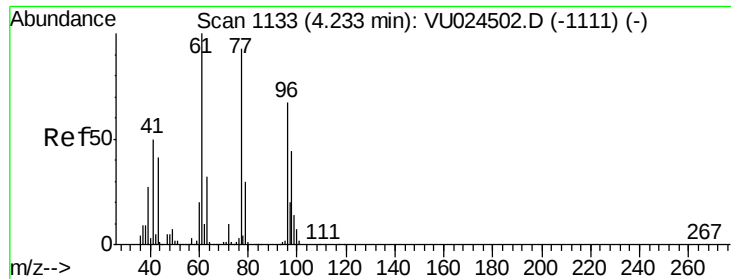
MMDadoda
6/28/2018 4:37:02 PM



#26
2,2-Dichloropropane
Concen: 19.263 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion: 77 Resp: 84639
Ion Ratio Lower Upper
77 100
97 21.8 11.3 33.8





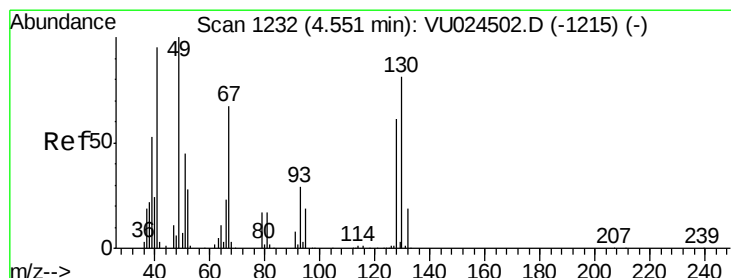
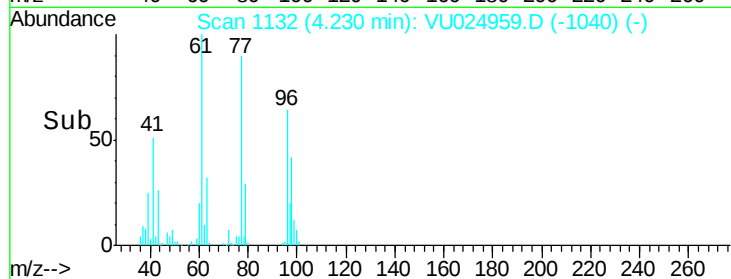
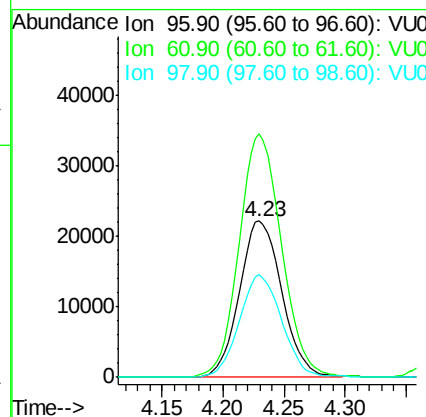
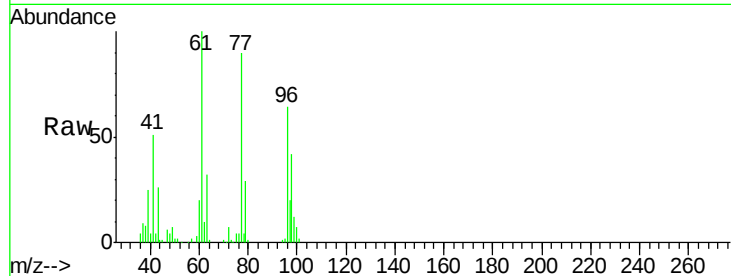
#27
 cis-1,2-Dichloroethene
 Concen: 19.332 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53495		
61	155.8	0.0	306.6	
98	65.6	0.0	128.8	

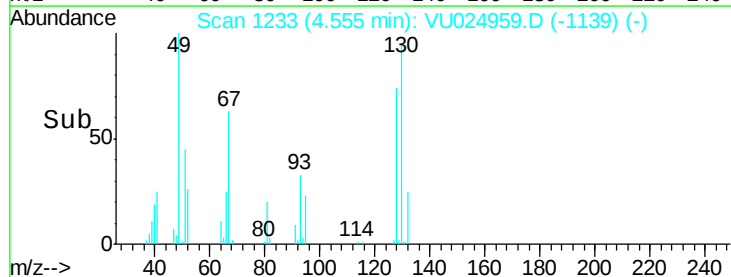
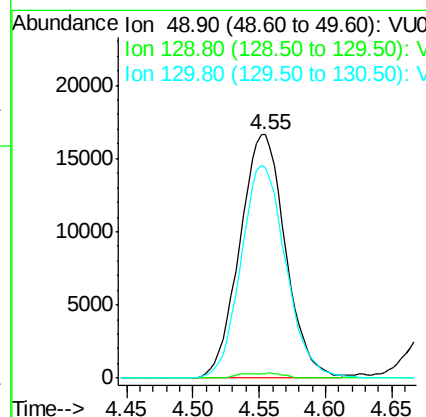
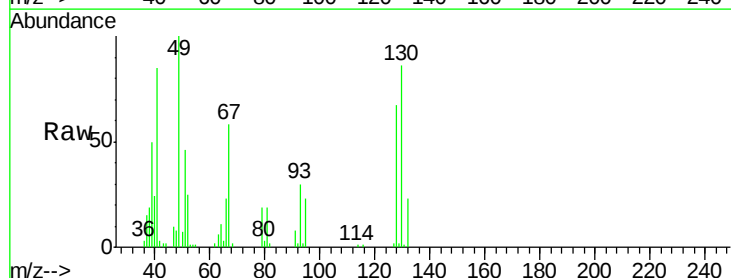
Manual Integrations
 APPROVED

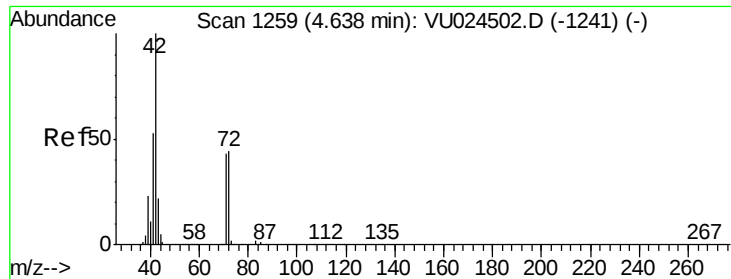
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 6/28/2018 4:37:02 PM



#28
 Bromochloromethane
 Concen: 19.579 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	39904		
129	1.8	0.0	3.8	
130	85.7	57.8	86.6	





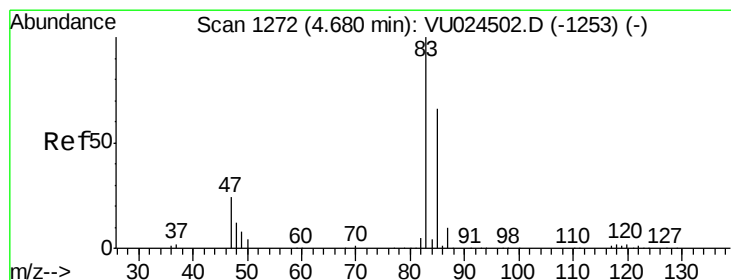
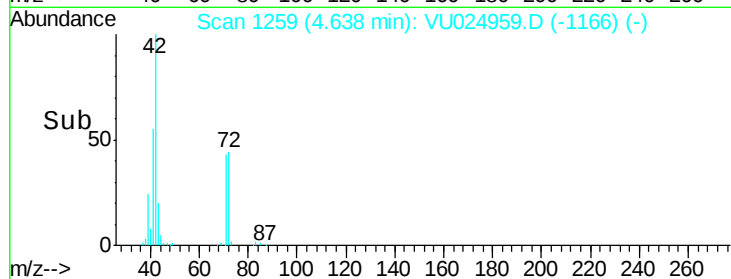
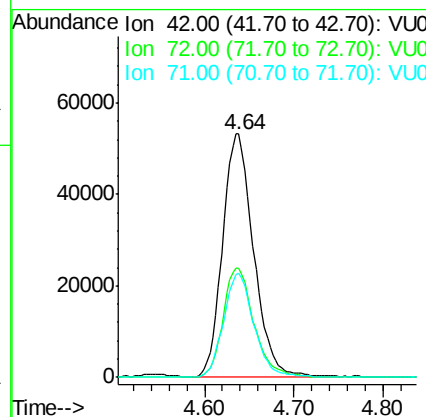
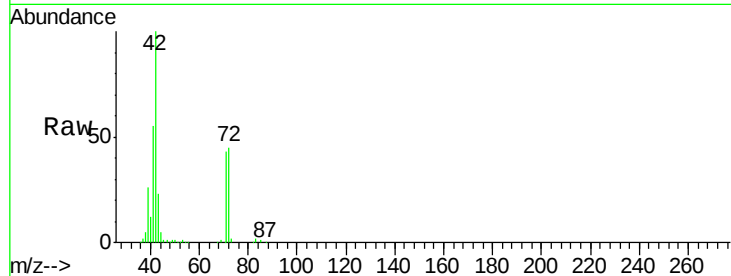
#29
Tetrahydrofuran
Concen: 91.044 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.5	51.7
71	41.9	32.2	48.4

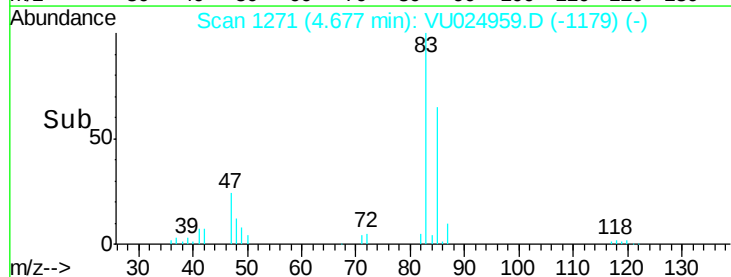
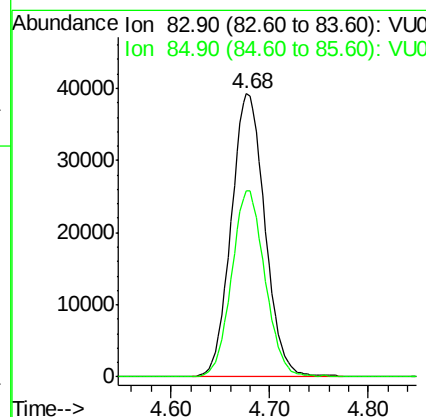
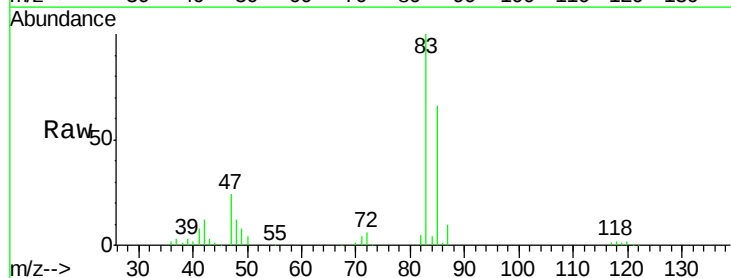
Manual Integrations
APPROVED

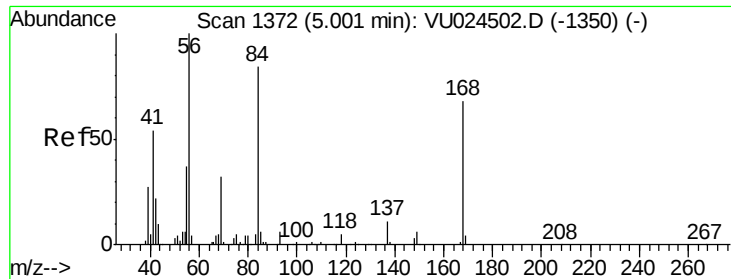
MMDadoda
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#30
Chloroform
Concen: 19.980 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.4	78.6





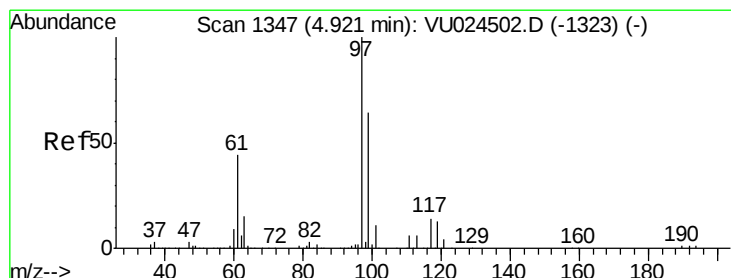
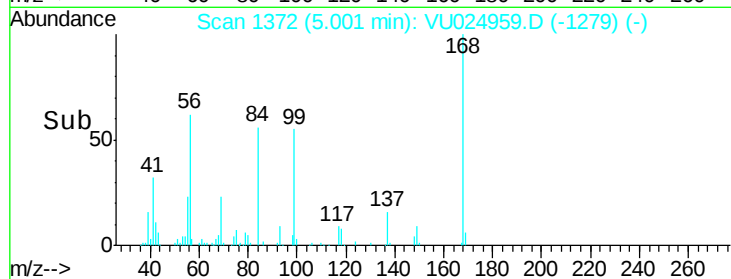
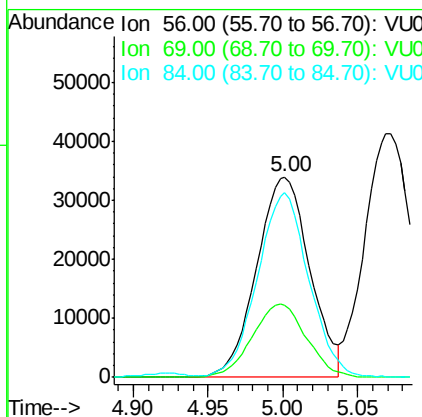
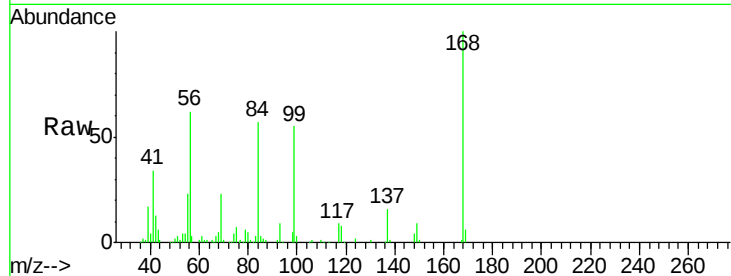
#31
Cyclohexane
Concen: 19.150 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.2	24.8	37.2
84	90.9	65.2	97.8

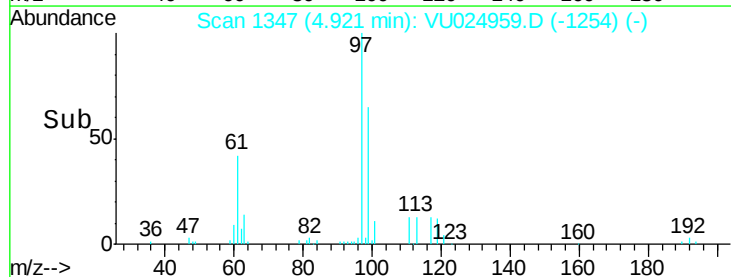
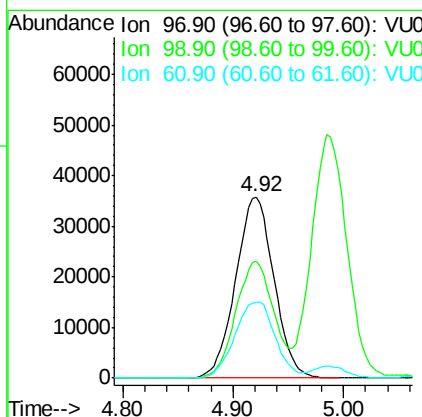
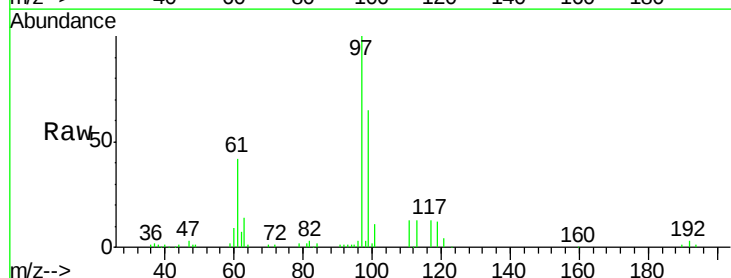
Manual Integrations
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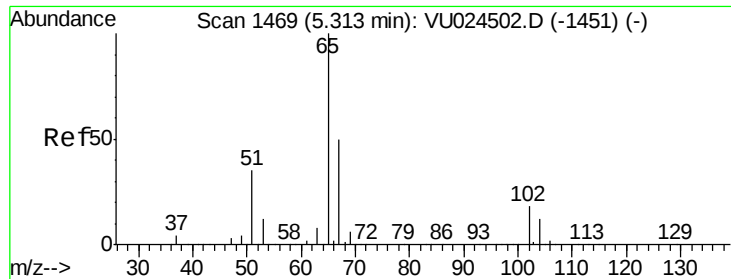
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#32
1,1,1-Trichloroethane
Concen: 19.869 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	44.3	39.4	59.0





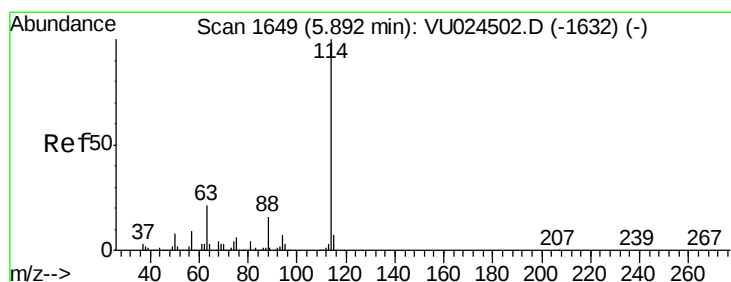
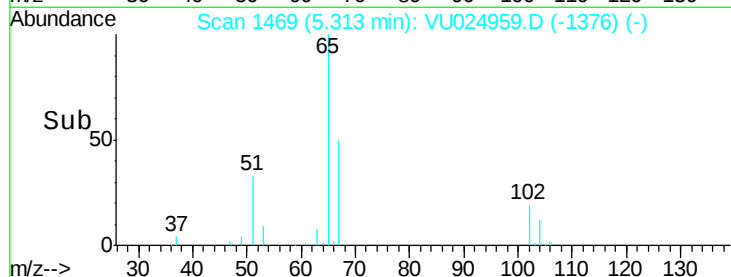
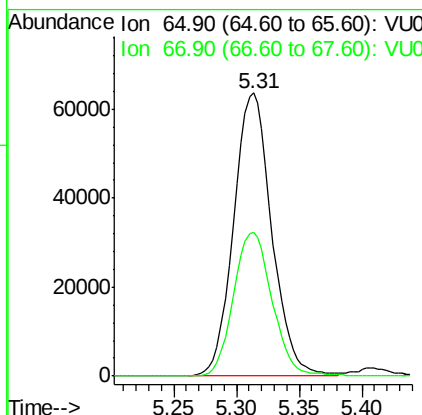
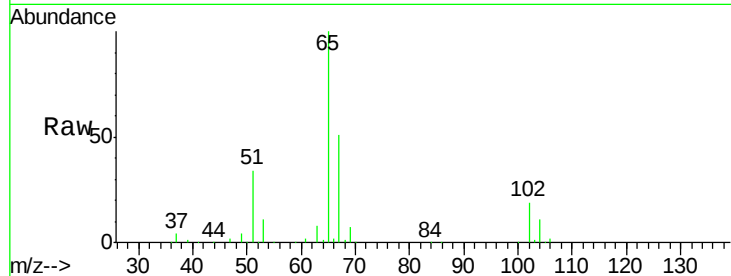
#33
 1,2-Dichloroethane-d4
 Concen: 42.904 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	107.0

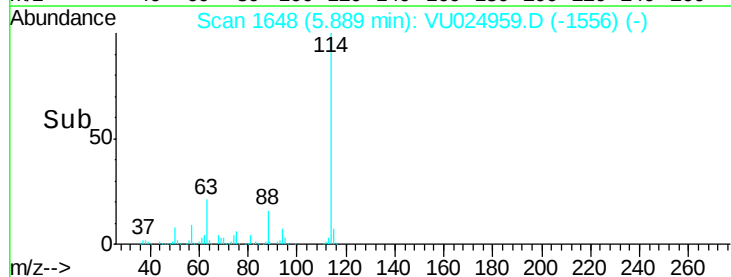
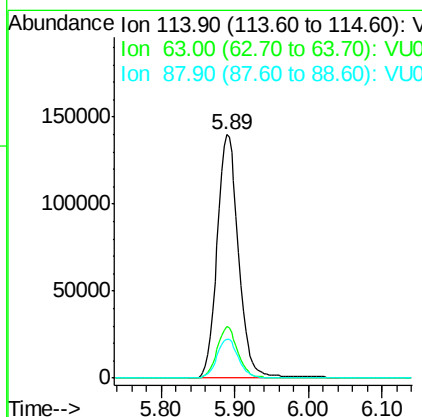
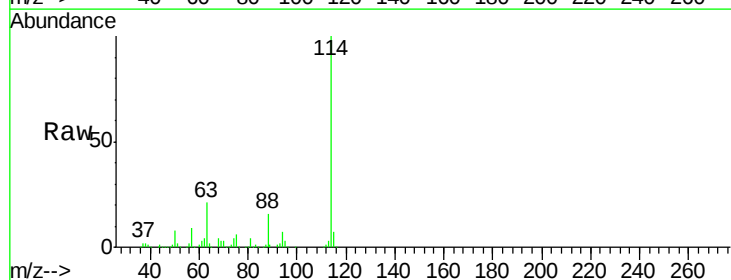
Manual Integrations
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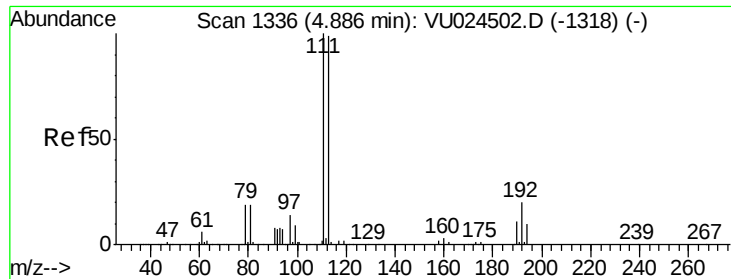
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.4
88	15.9	0.0	31.0





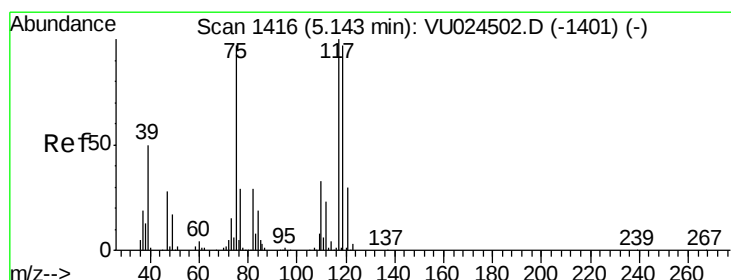
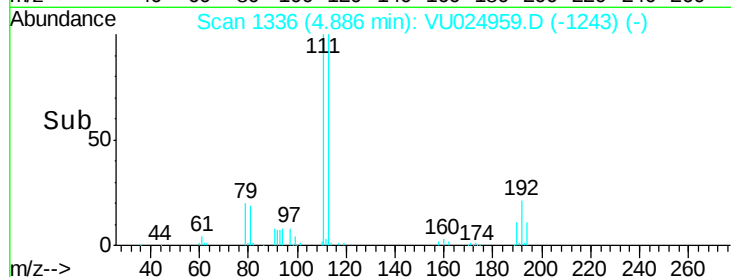
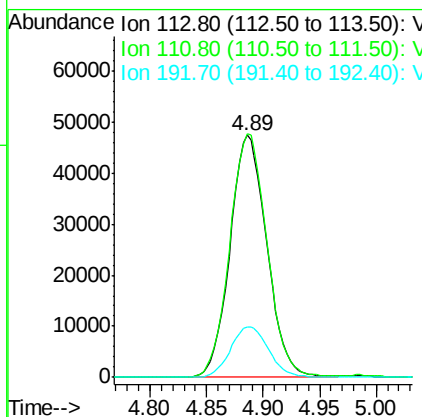
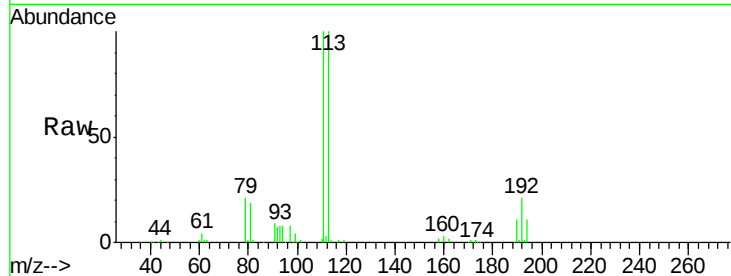
#35
Dibromofluoromethane
Concen: 45.616 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	107095		
111	102.1	82.2	123.4	
192	21.6	16.2	24.4	

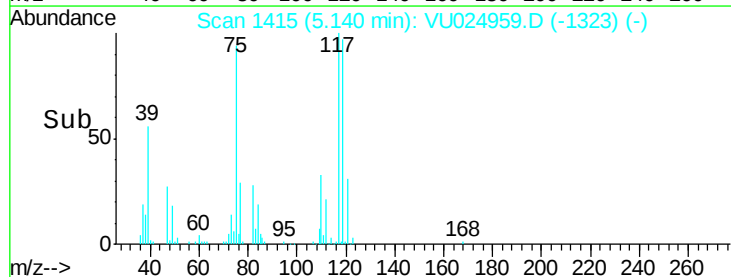
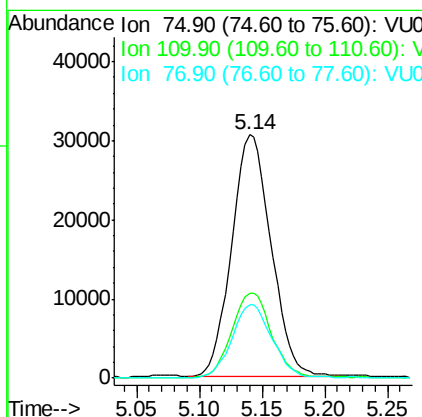
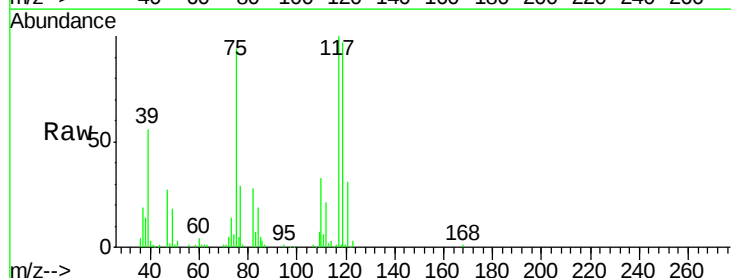
Manual Integrations
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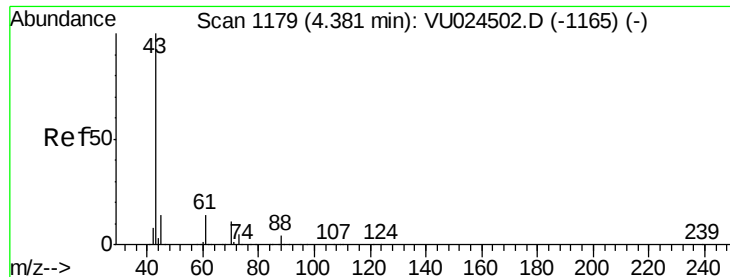
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#36
1,1-Dichloropropene
Concen: 20.127 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66904		
110	36.1	17.0	50.9	
77	30.9	24.2	36.4	





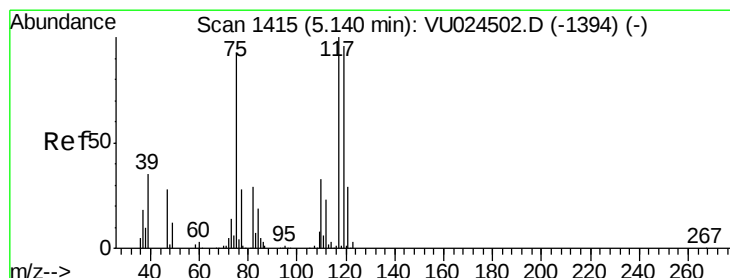
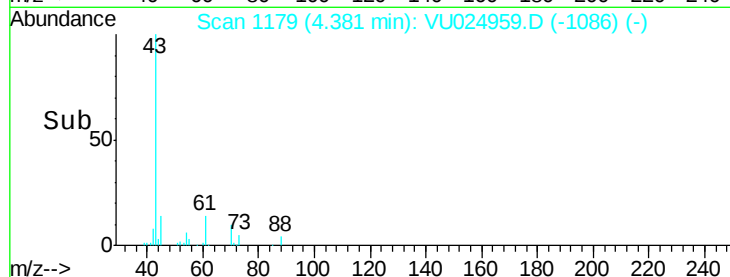
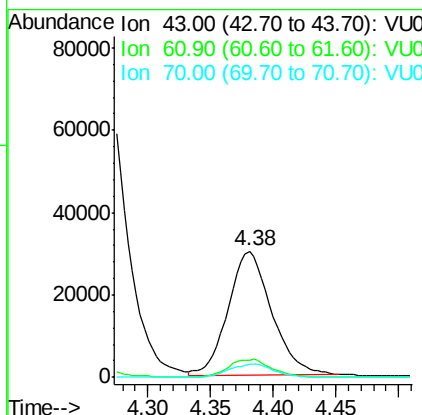
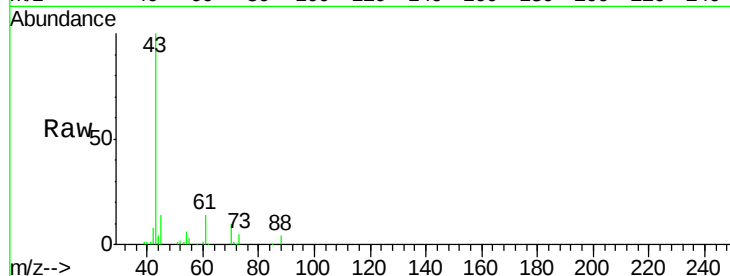
#37
 Ethyl Acetate
 Concen: 20.027 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.5	15.7
70	11.2	7.4	11.2#

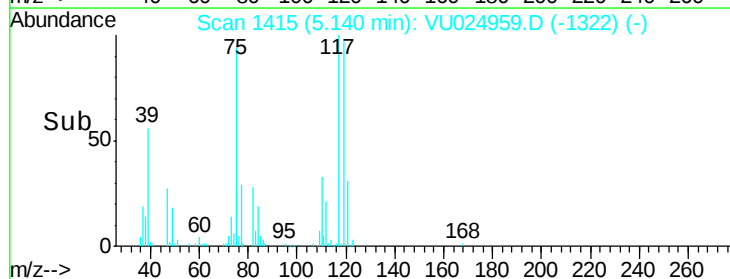
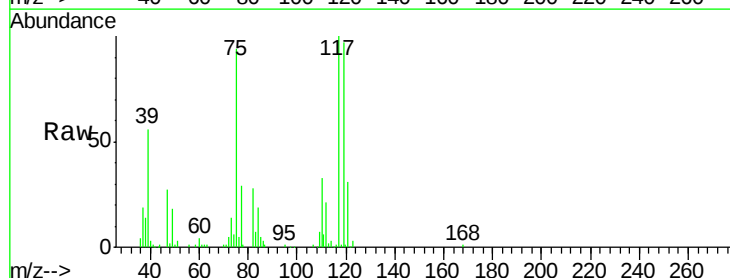
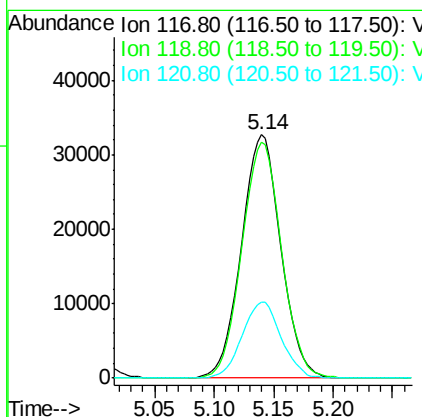
Manual Integrations
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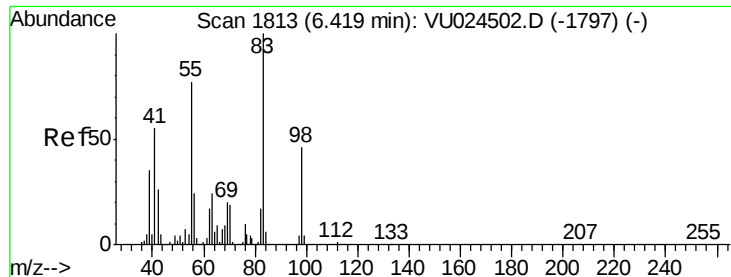
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#38
 Carbon Tetrachloride
 Concen: 20.526 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.1	114.1
121	31.1	23.7	35.5





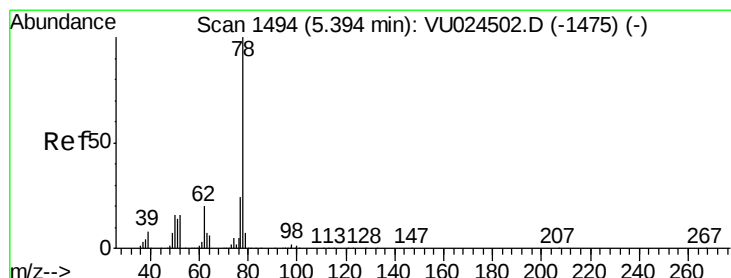
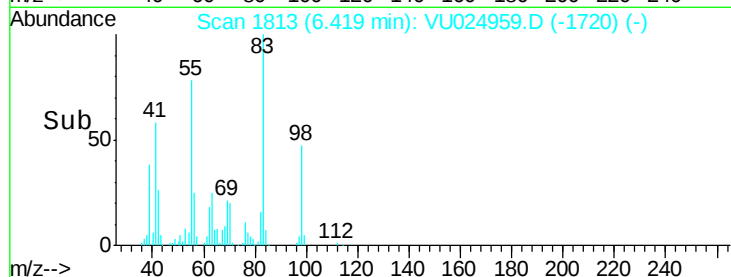
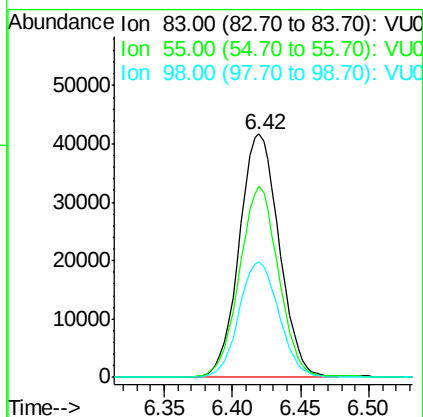
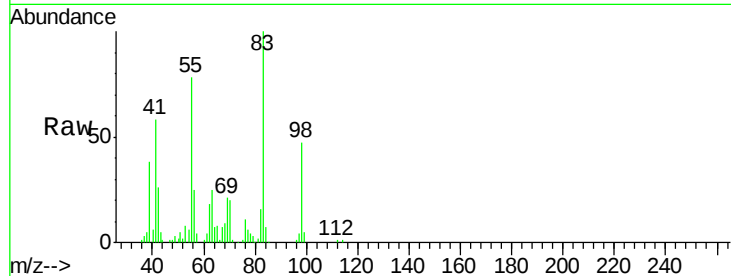
#39
Methylcyclohexane
Concen: 20.440 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.0	65.8	98.6
98	47.3	36.7	55.1

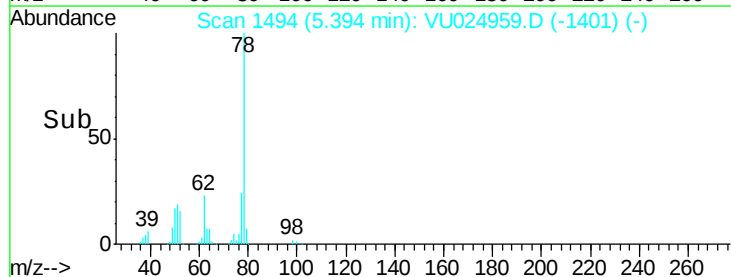
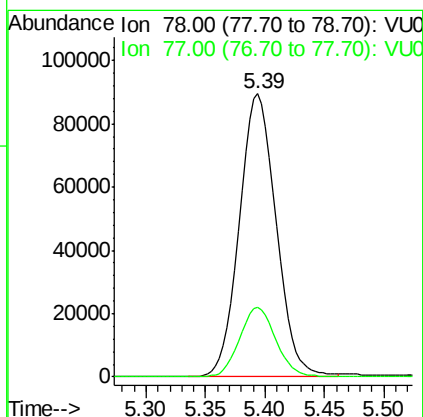
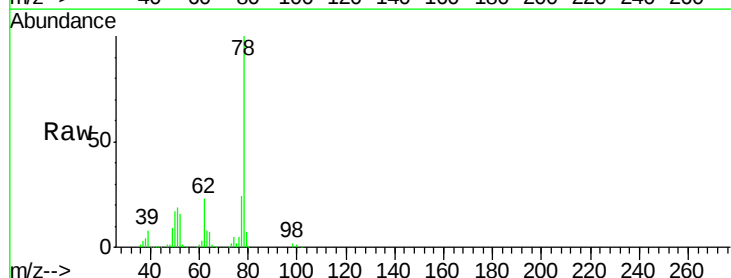
Manual Integrations
APPROVED

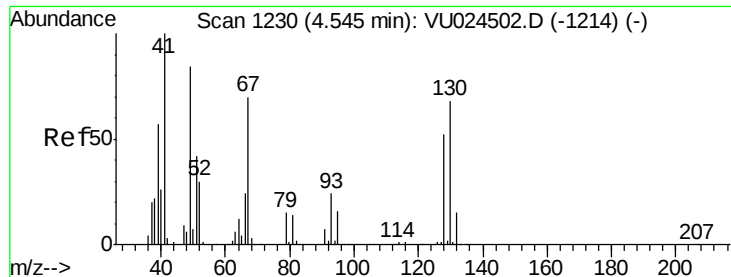
MMDadoda
6/28/2018 4:37:02 PM



#40
Benzene
Concen: 20.293 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





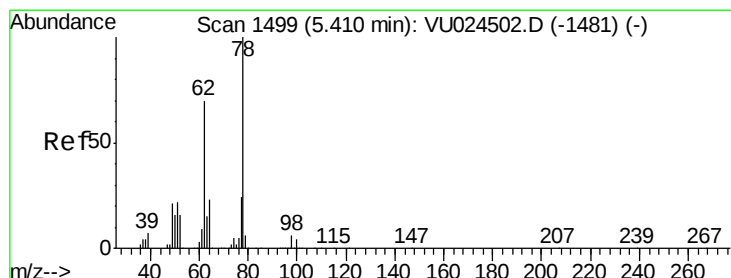
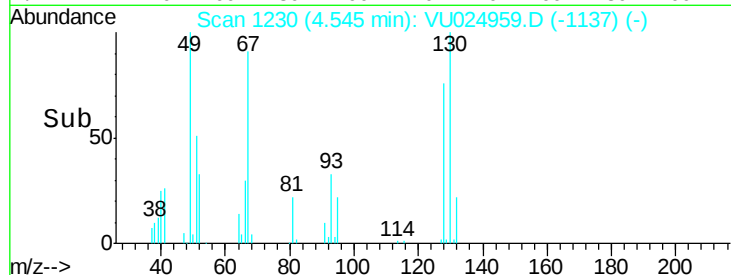
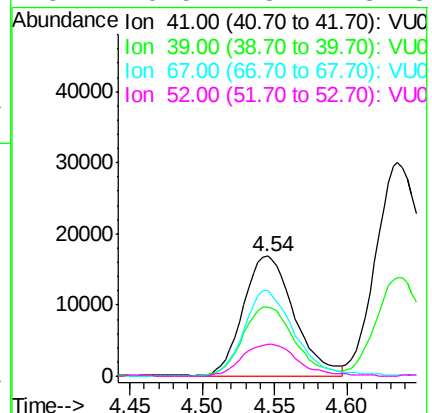
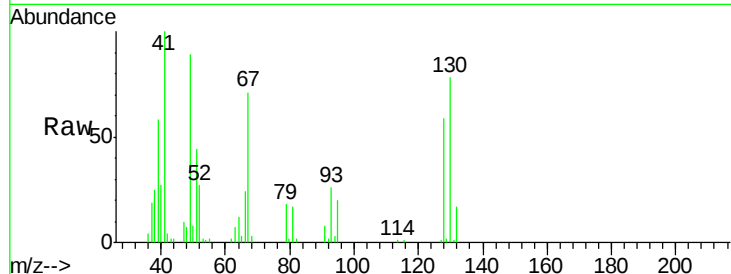
#41
Methacrylonitrile
Concen: 21.262 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.0	43.8	65.6
67	70.5	56.3	84.5
52	29.5	23.2	34.8

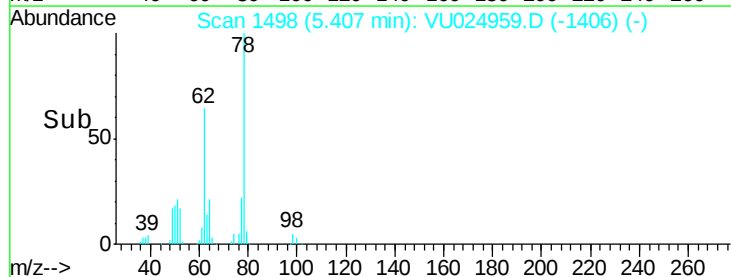
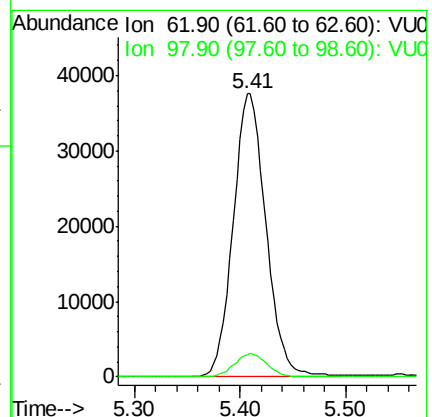
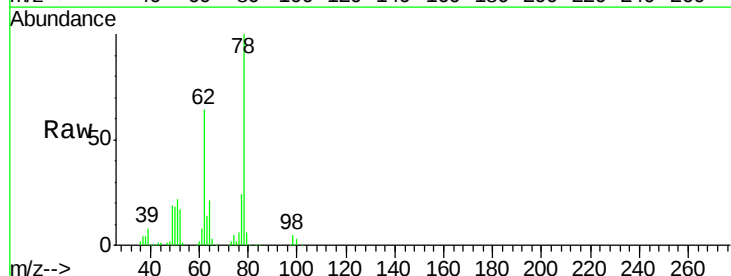
Manual Integrations
APPROVED

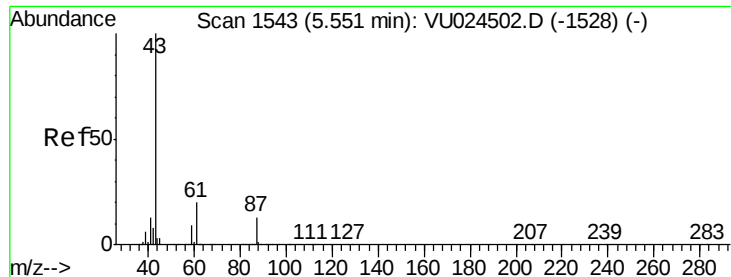
MMDadoda
6/28/2018 4:37:02 PM



#42
1,2-Dichloroethane
Concen: 22.430 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.523 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

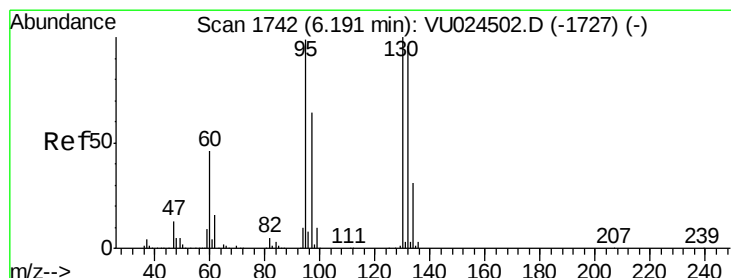
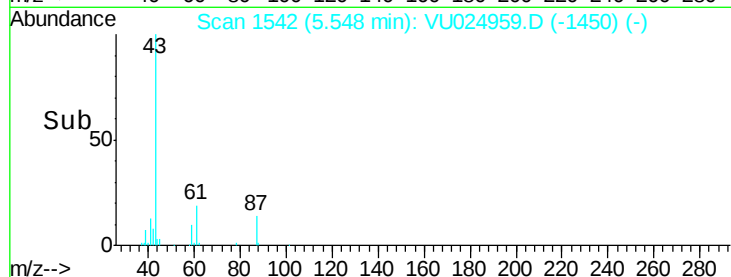
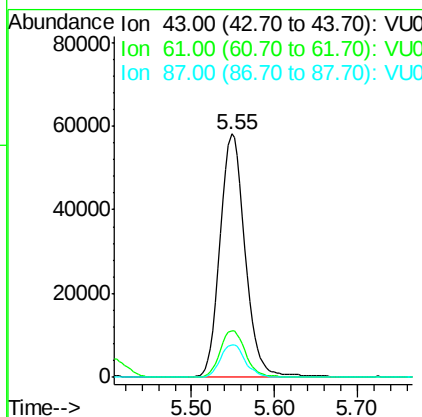
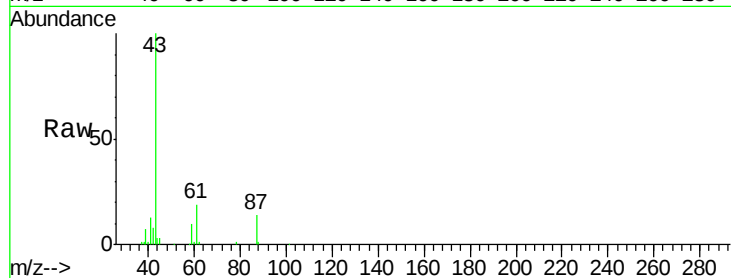
ClientSampleId :

VU0627MBS03

Tgt Ion:	43	Resp:	122267
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	13.2	10.0	15.0

Manual Integrations
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6/28/2018 4:37:02 PM



#44

Trichloroethene

Concen: 19.919 ug/l

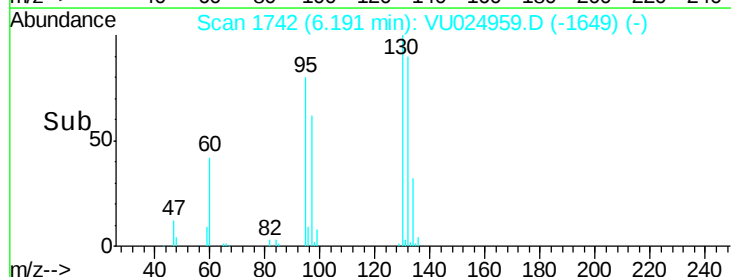
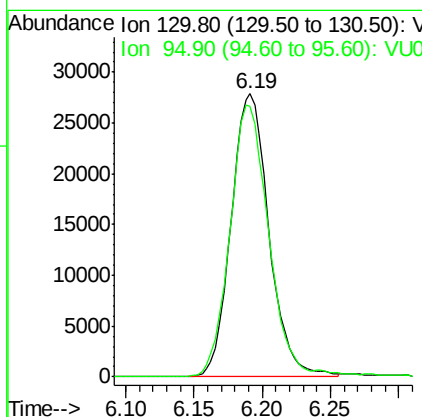
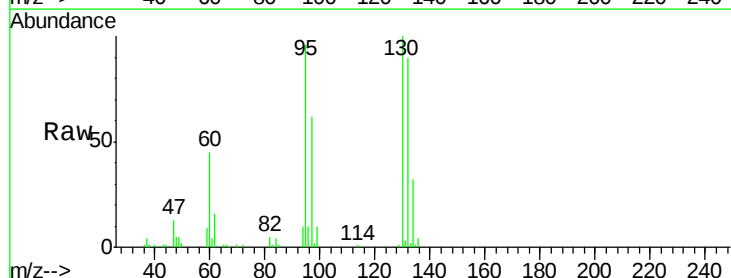
RT: 6.19 min Scan# 1742

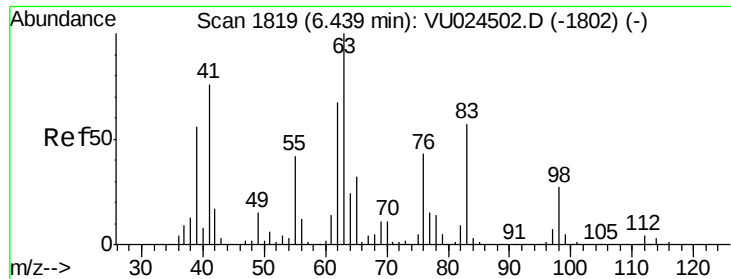
Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion:	130	Resp:	53696
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	202.4





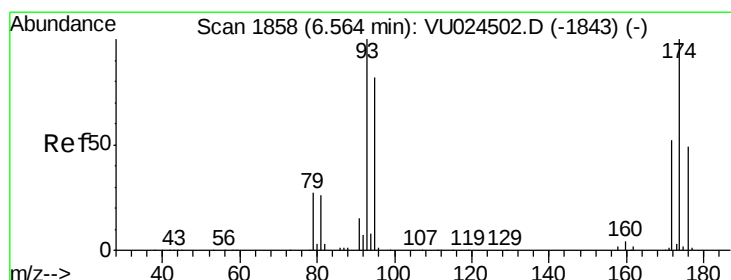
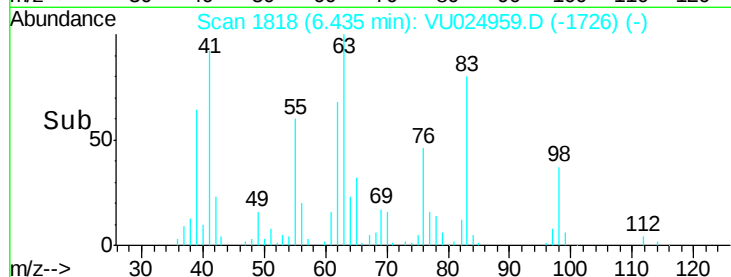
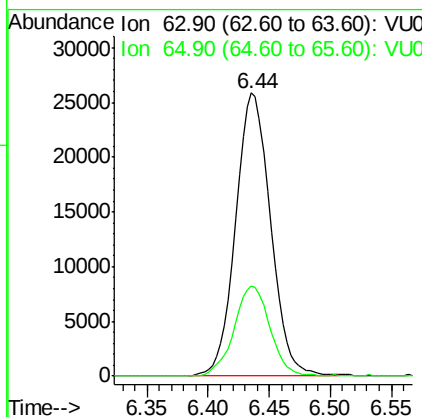
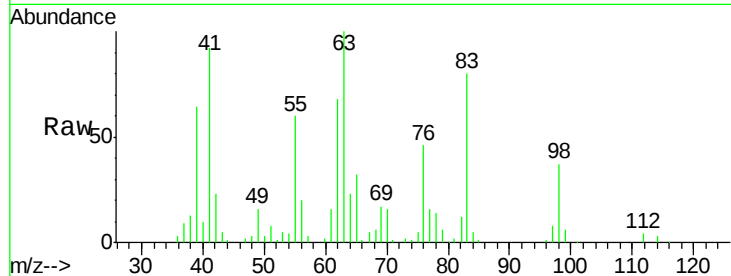
#45
 1,2-Dichloropropane
 Concen: 20.291 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion: 63 Resp: 51282
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

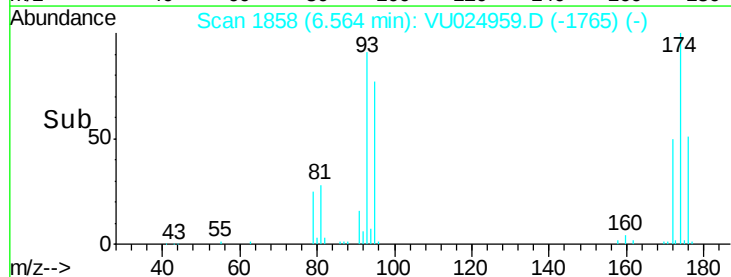
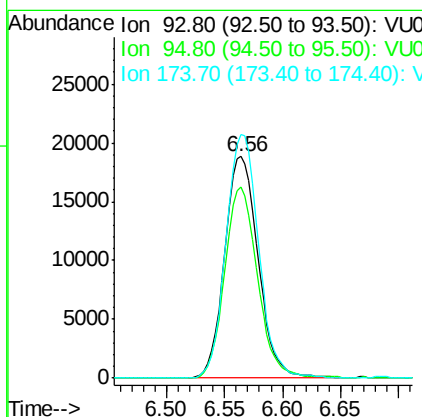
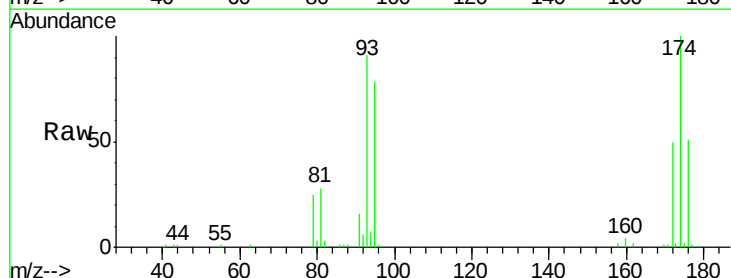
Manual Integrations
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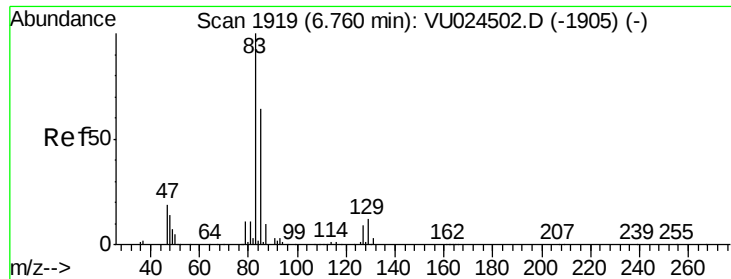
MMDadoda
 6/28/2018 4:37:02 PM



#46
 Dibromomethane
 Concen: 21.215 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion: 93 Resp: 37662
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.5 98.3
 174 107.1 78.7 118.1





#47

Bromodichloromethane

Concen: 20.234 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

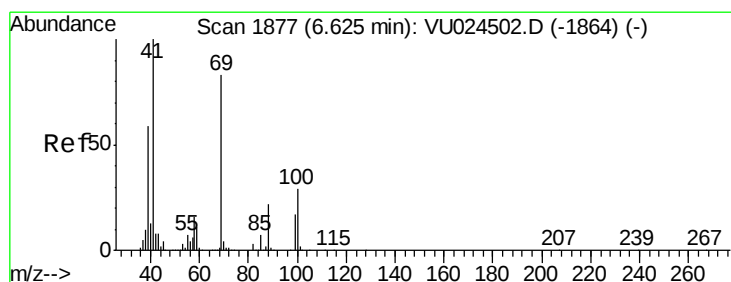
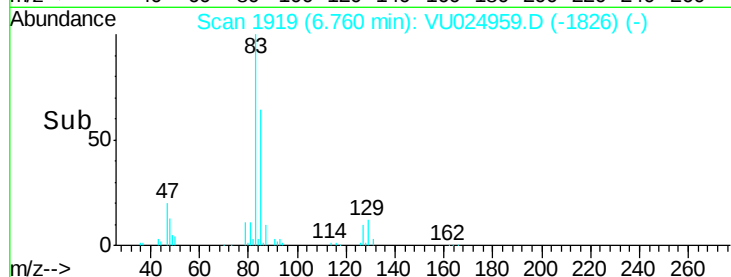
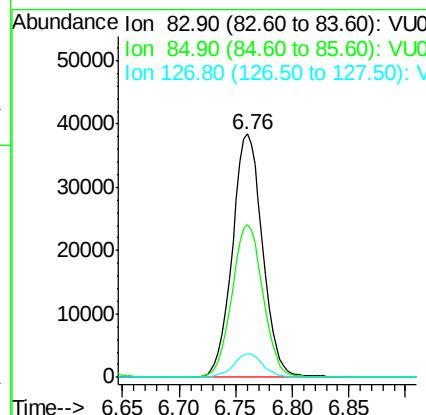
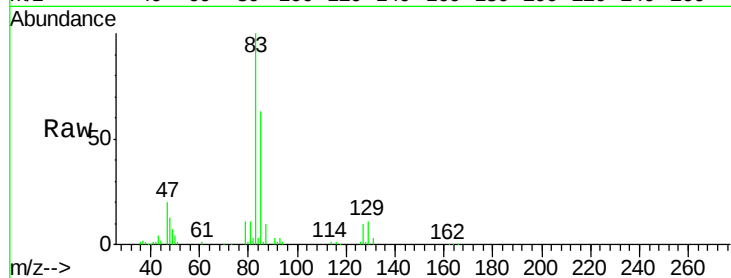
ClientSampleId :

VU0627MBS03

Tgt Ion:	83	Resp:	71527
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9
127	9.8	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.573 ug/l

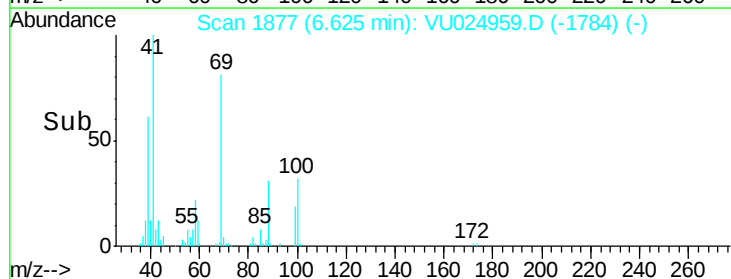
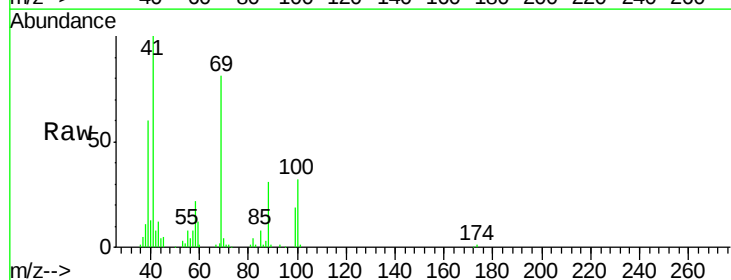
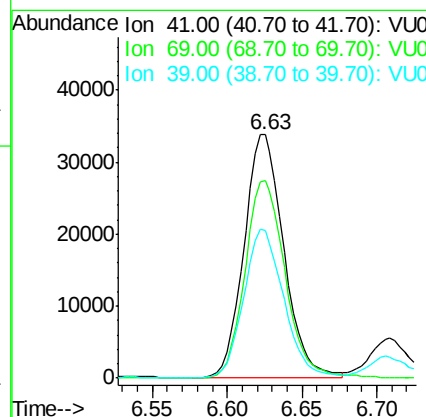
RT: 6.63 min Scan# 1877

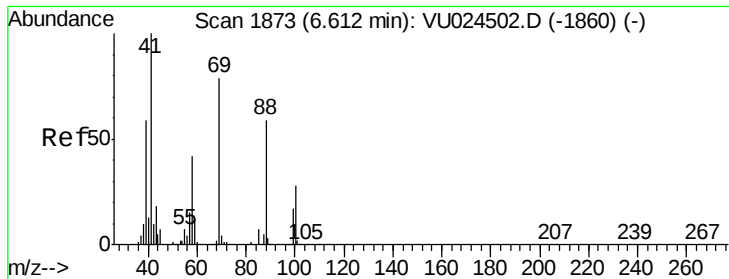
Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion:	41	Resp:	62738
Ion	Ratio	Lower	Upper
41	100		
69	81.8	67.3	100.9
39	61.4	46.5	69.7





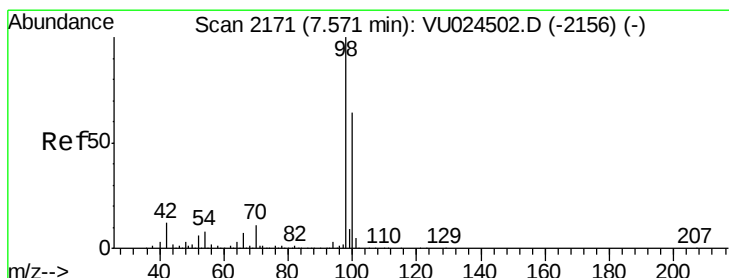
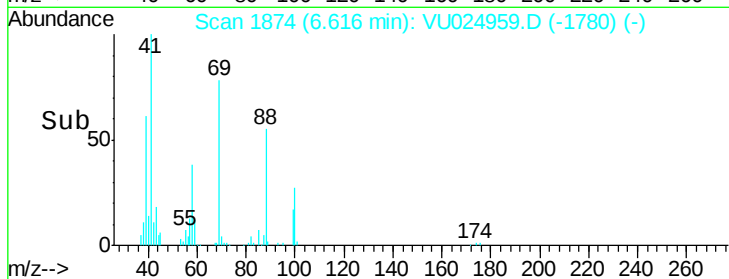
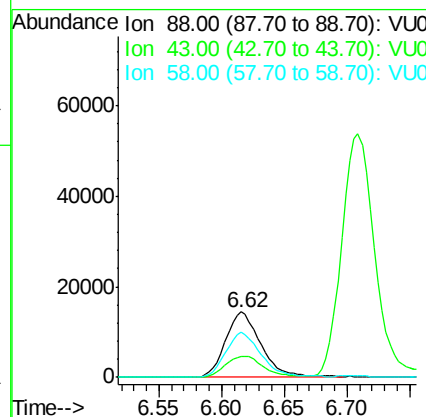
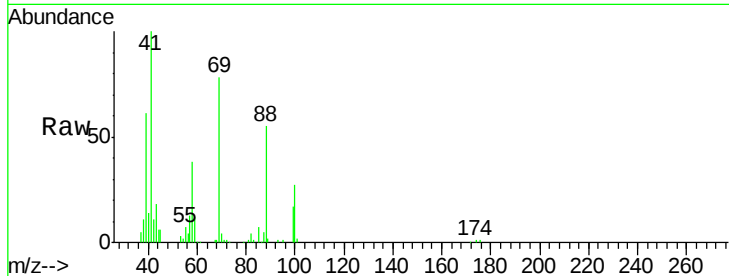
#49
1,4-Dioxane
Concen: 479.081 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.8	28.6	42.8
58	67.7	58.2	87.4

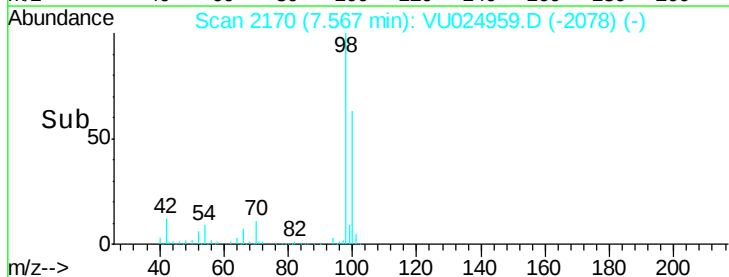
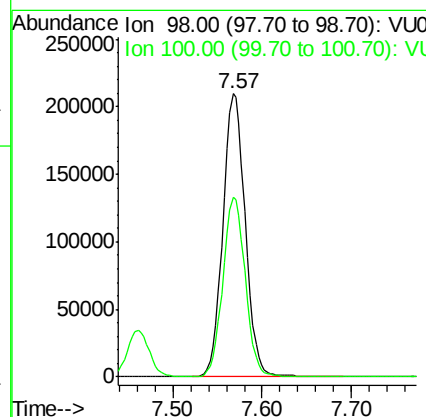
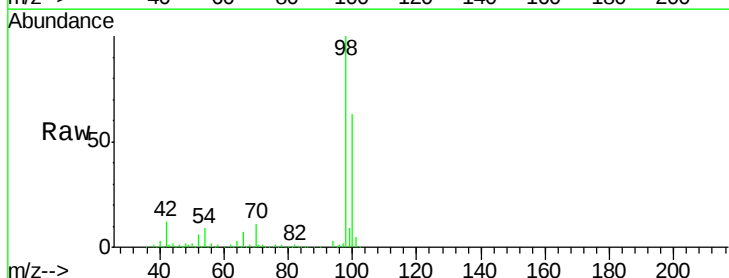
Manual Integrations
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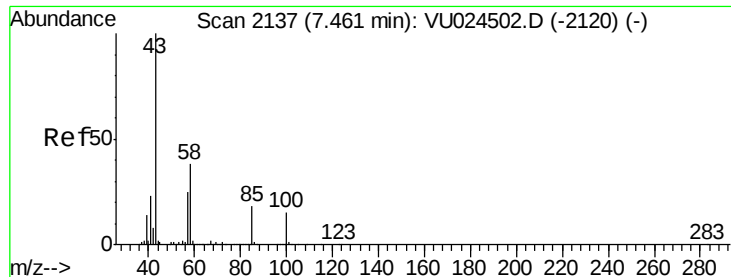
MMDadoda
6/28/2018 4:37:02 PM



#50
Toluene-d8
Concen: 42.526 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





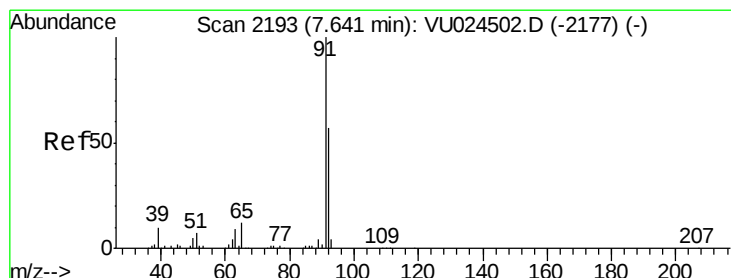
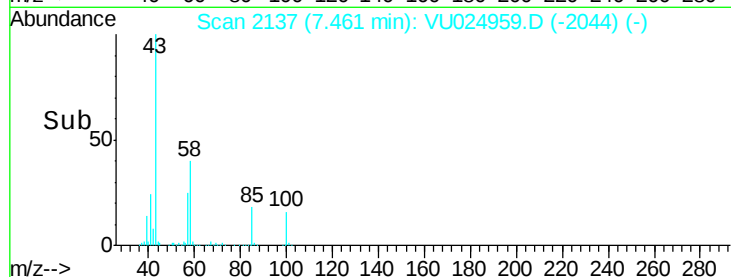
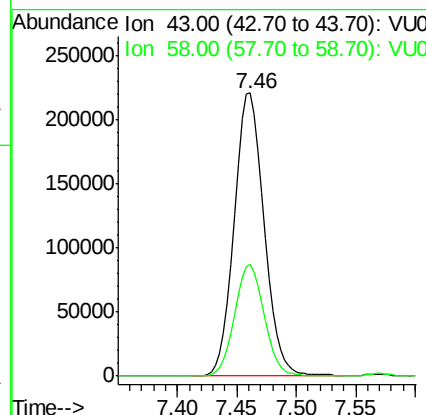
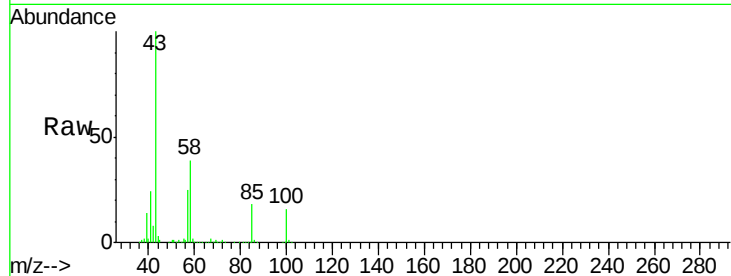
#51
 4-Methyl-2-Pentanone
 Concen: 97.810 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.0	45.0

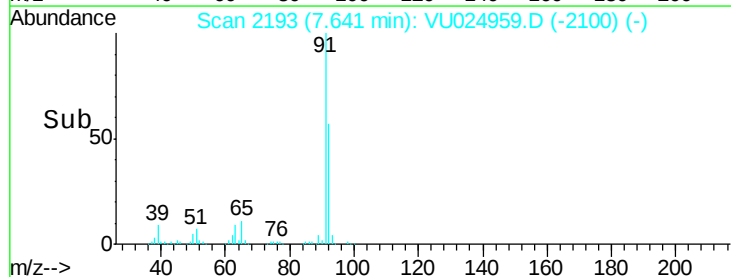
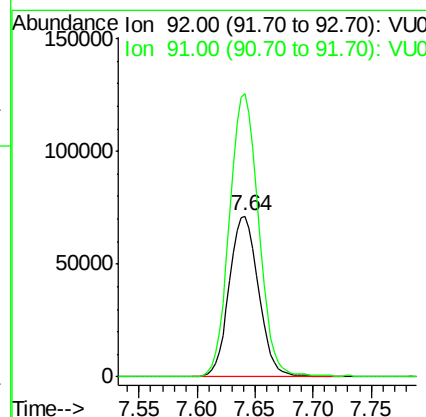
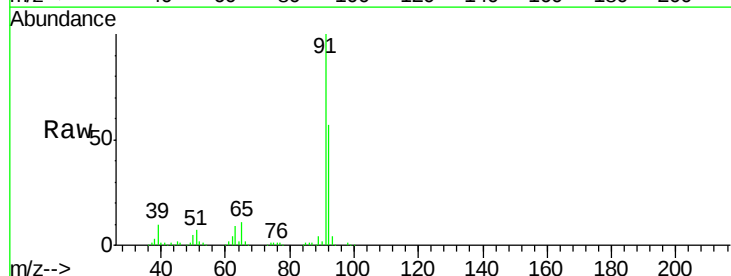
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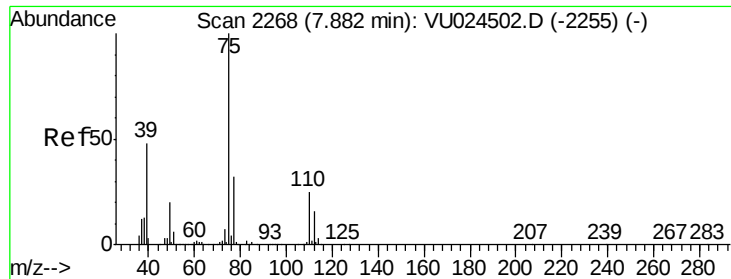
MMDadoda
 6/28/2018 4:37:02 PM



#52
 Toluene
 Concen: 20.469 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 19.689 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 75 Resp: 78163

Ion Ratio Lower Upper

75 100

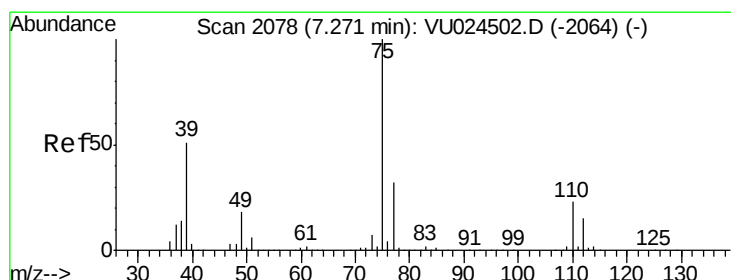
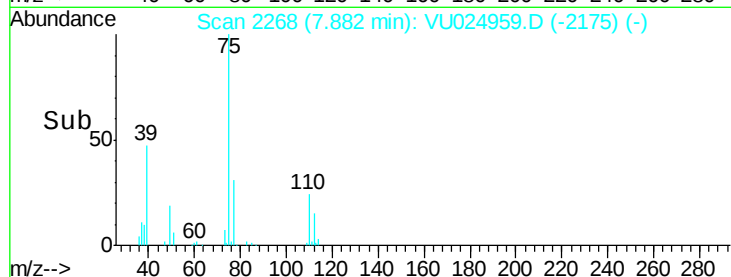
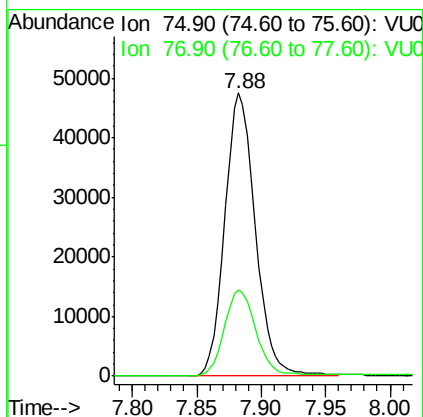
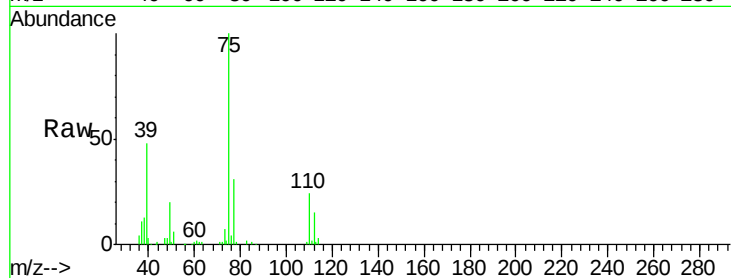
77 30.5 24.8 37.2

Manual Integrations

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6/28/2018 4:37:02 PM



#54

cis-1,3-Dichloropropene

Concen: 19.311 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

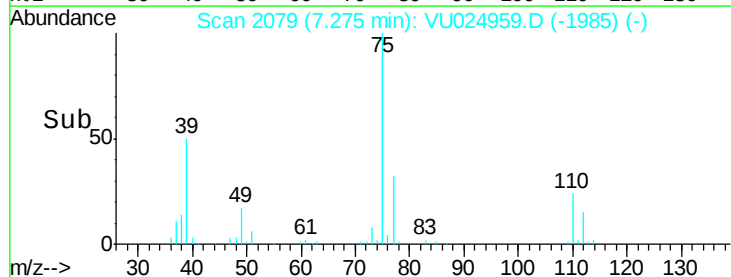
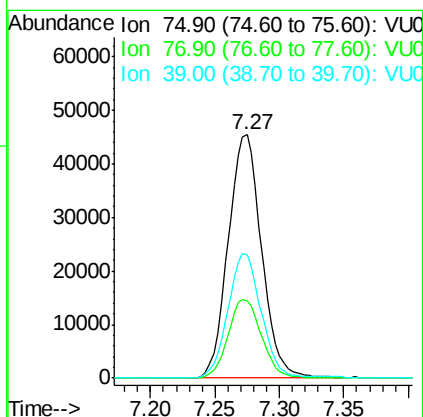
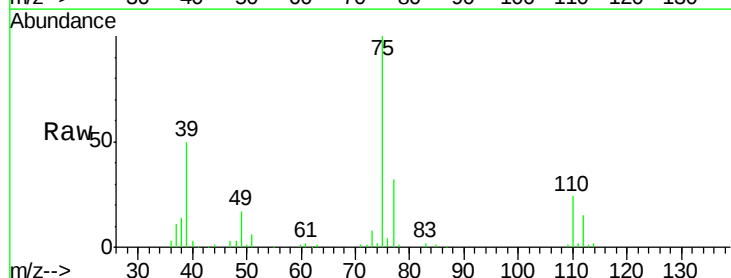
Tgt Ion: 75 Resp: 81689

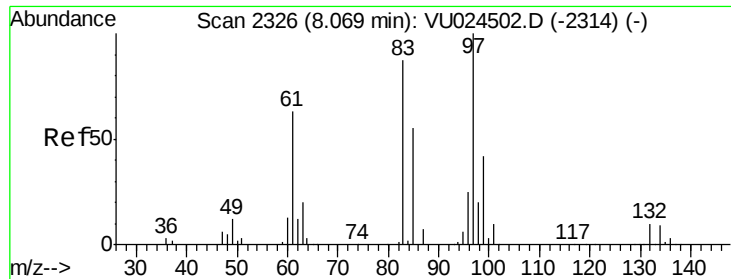
Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 50.4 39.8 59.6





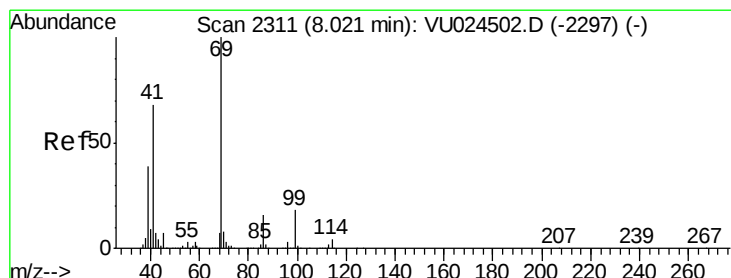
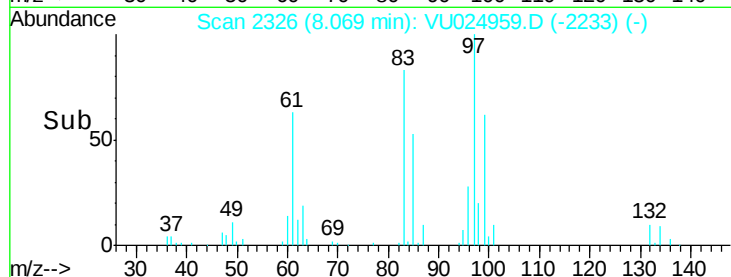
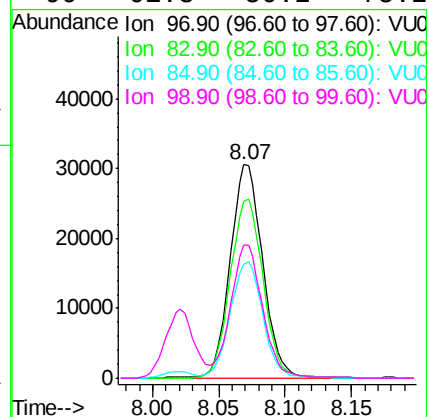
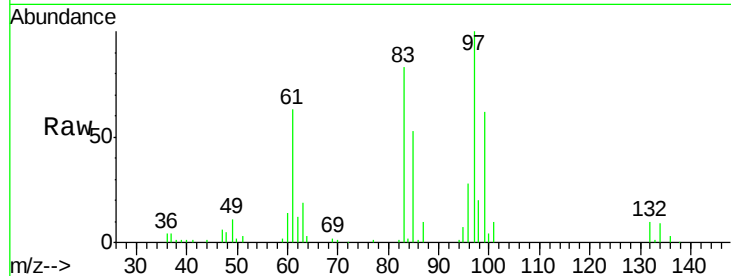
#55
 1,1,2-Trichloroethane
 Concen: 21.058 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	52162		
83	83.0	70.5	105.7	
85	53.2	46.4	69.6	
99	61.8	50.2	75.2	

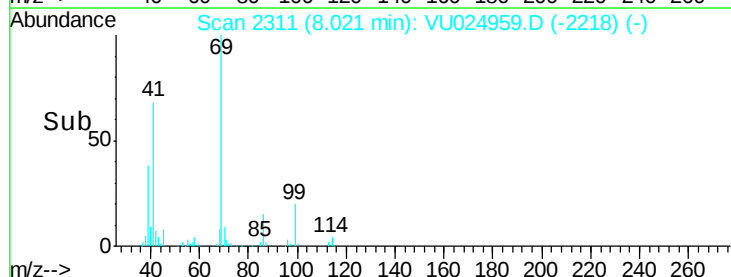
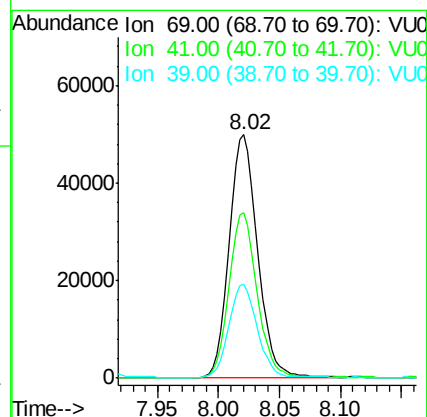
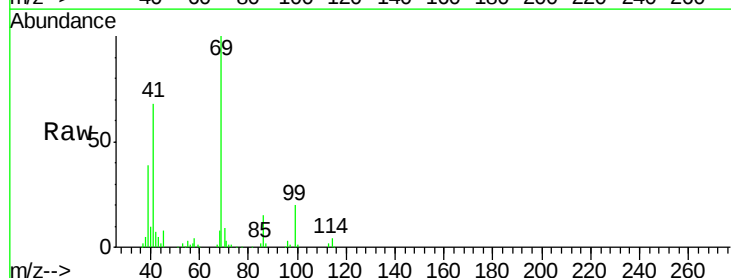
Manual Integrations
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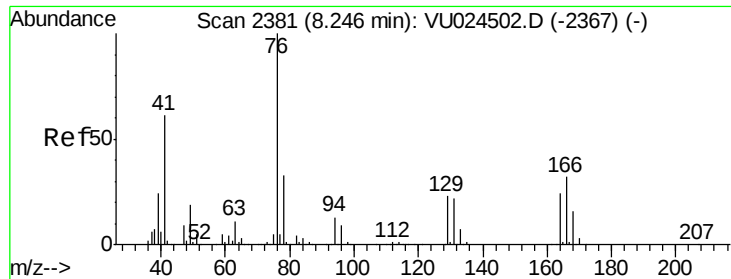
MMDadoda
 6/28/2018 4:37:02 PM



#56
 Ethyl methacrylate
 Concen: 19.817 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	82162		
41	66.4	54.1	81.1	
39	38.0	30.3	45.5	





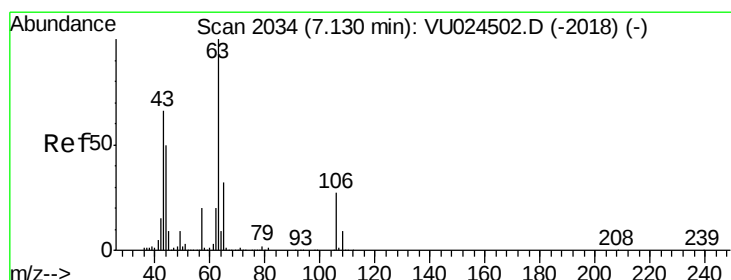
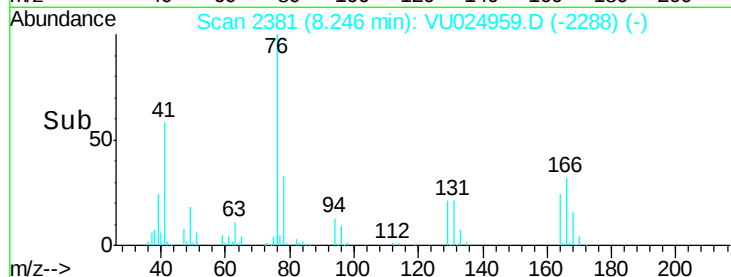
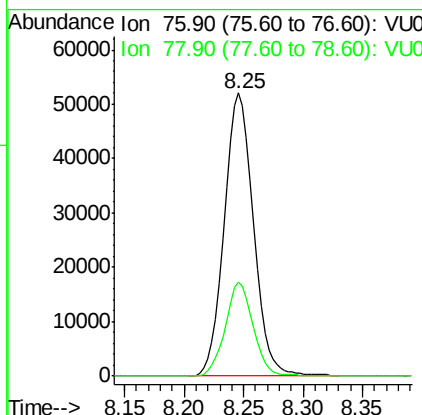
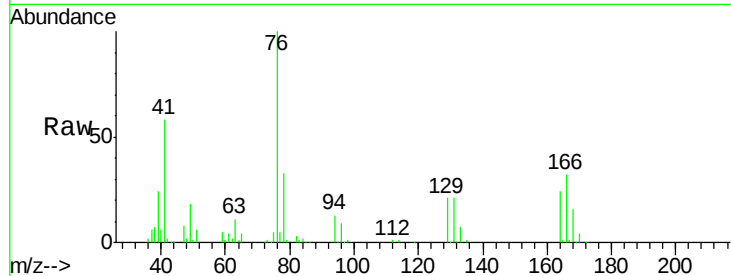
#57
 1,3-Dichloropropane
 Concen: 21.260 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion: 76 Resp: 88838
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

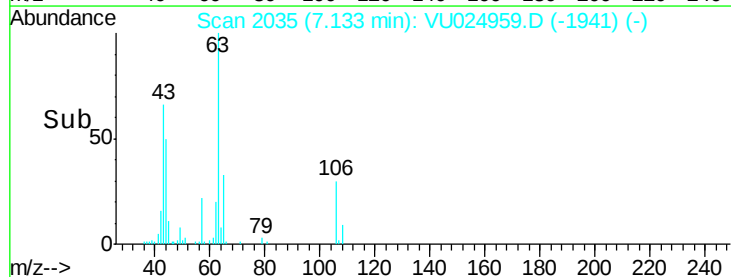
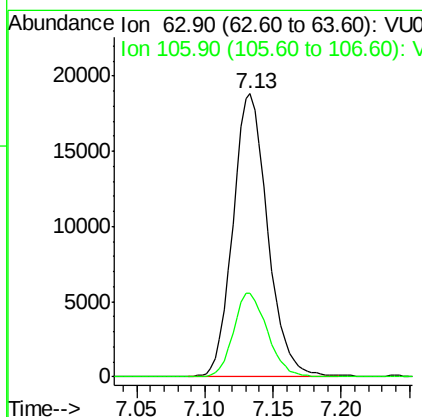
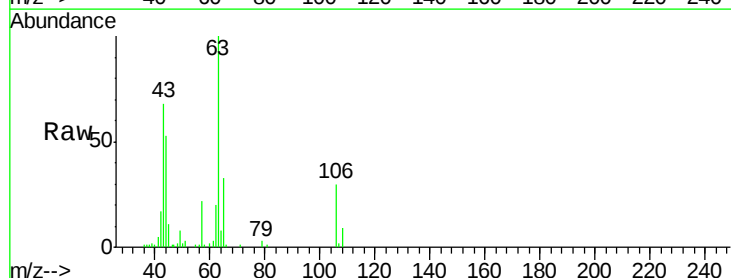
Manual Integrations
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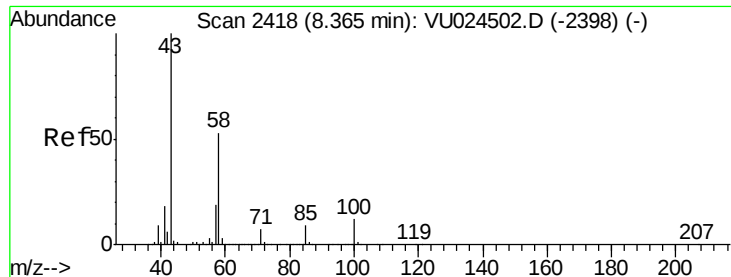
MMDadoda
 6/28/2018 4:37:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.995 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion: 63 Resp: 33348
 Ion Ratio Lower Upper
 63 100
 106 28.8 20.2 30.2





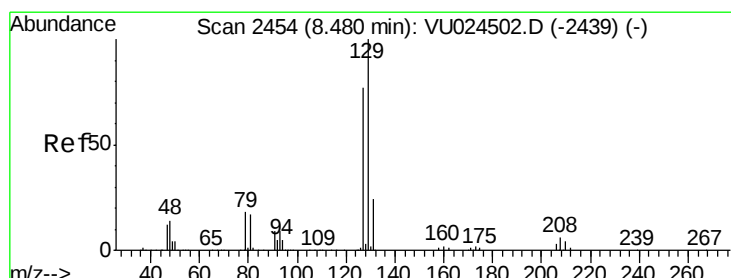
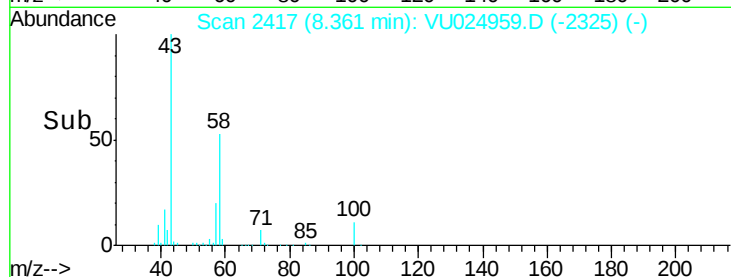
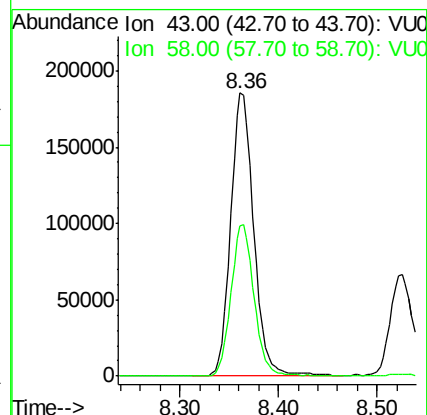
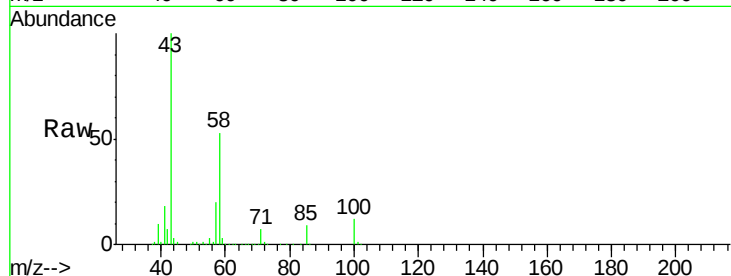
#59
2-Hexanone
Concen: 95.057 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion: 43 Resp: 305337
Ion Ratio Lower Upper
43 100
58 53.6 26.4 79.0

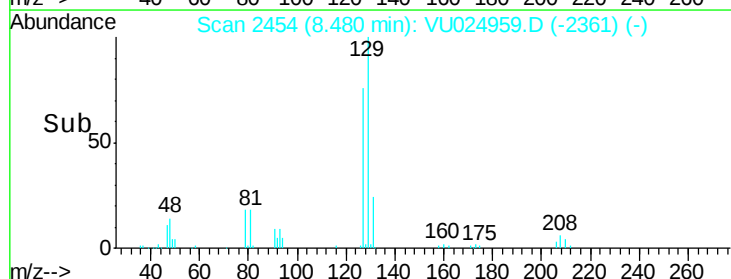
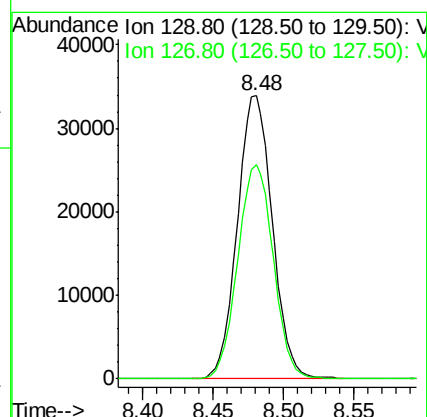
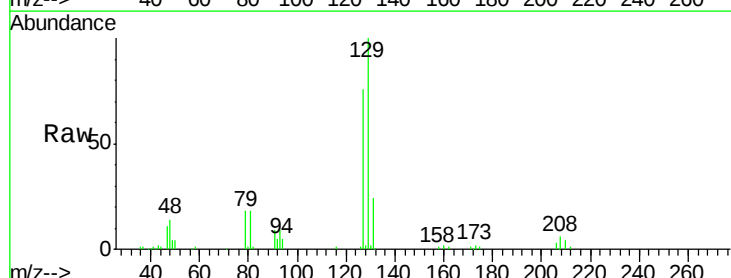
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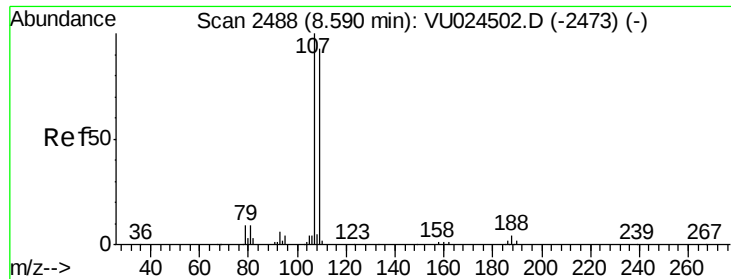
MMDadoda
6/28/2018 4:37:02 PM



#60
Dibromochloromethane
Concen: 19.110 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion: 129 Resp: 59031
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.022 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 107 Resp: 55202

Ion Ratio Lower Upper

107 100

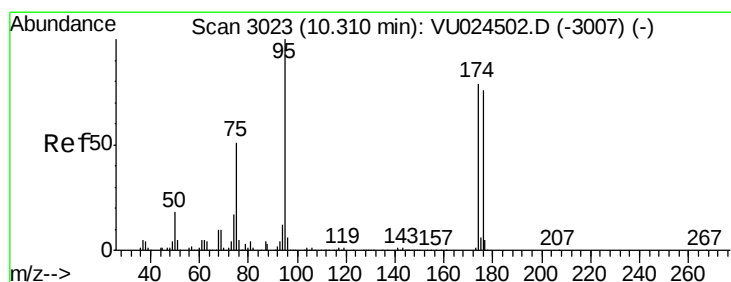
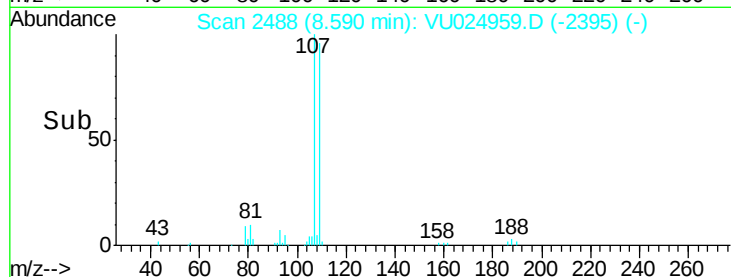
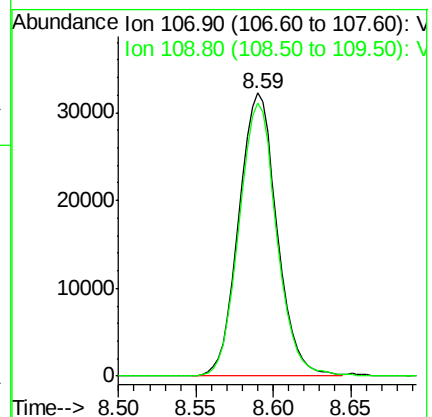
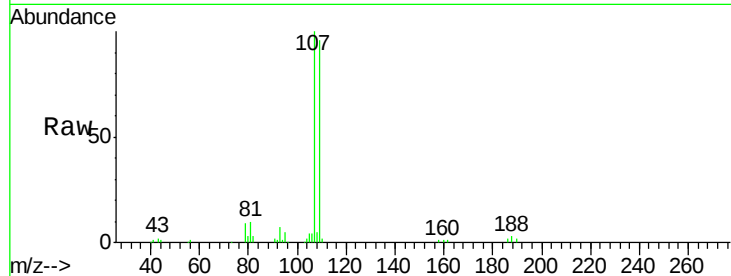
109 95.4 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 42.835 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

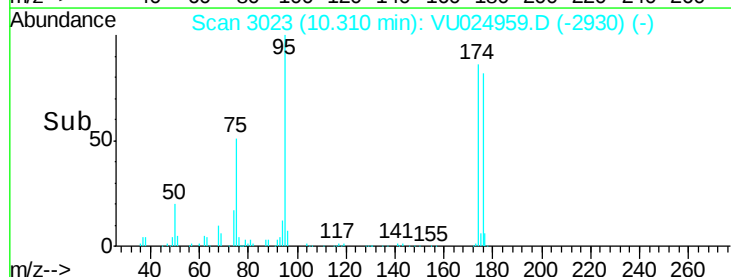
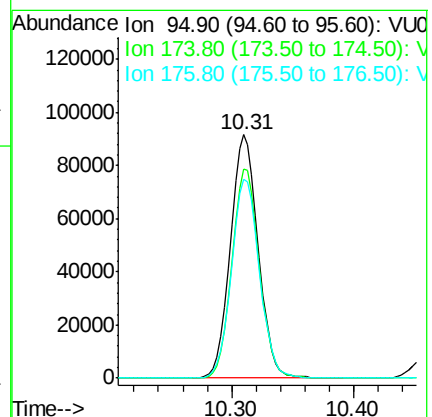
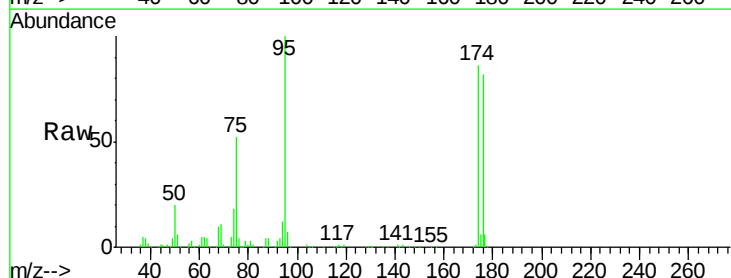
Tgt Ion: 95 Resp: 145642

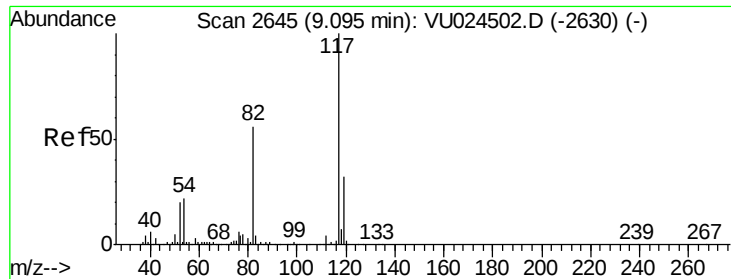
Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

176 82.5 0.0 159.4





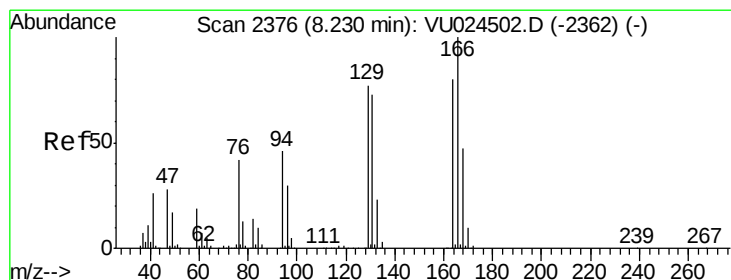
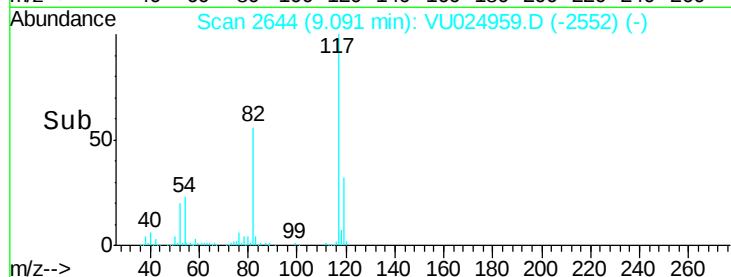
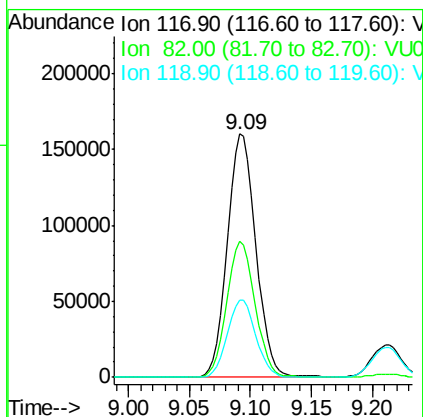
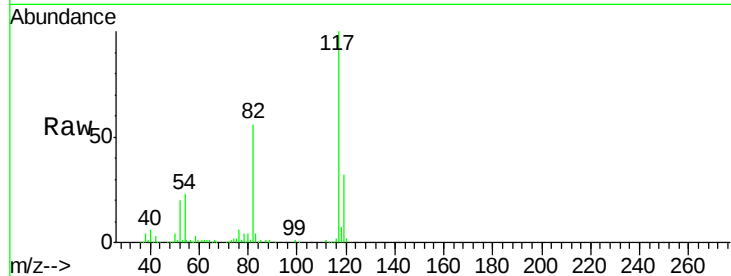
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	263539		
82	55.7	44.3	66.5	
119	31.8	25.4	38.2	

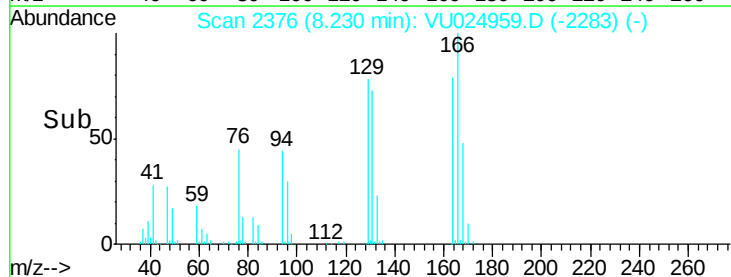
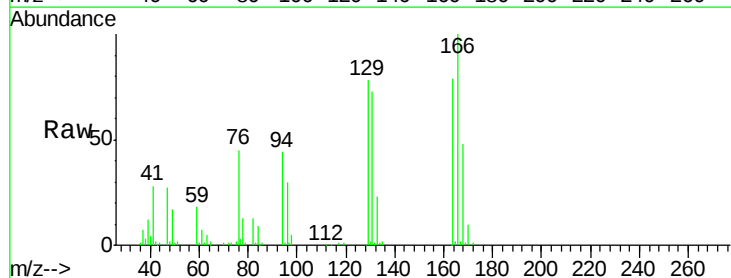
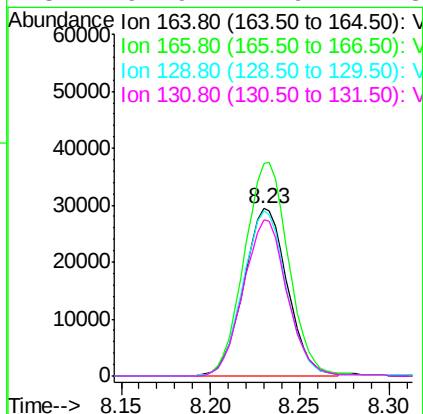
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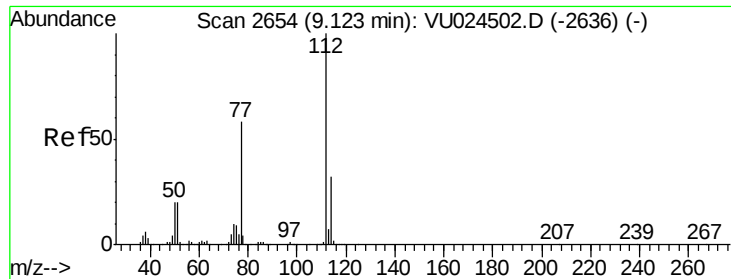
MMDadoda
6/28/2018 4:37:02 PM



#64
Tetrachloroethene
Concen: 20.089 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50323		
166	127.0	101.7	152.5	
129	98.5	76.9	115.3	
131	92.9	74.9	112.3	





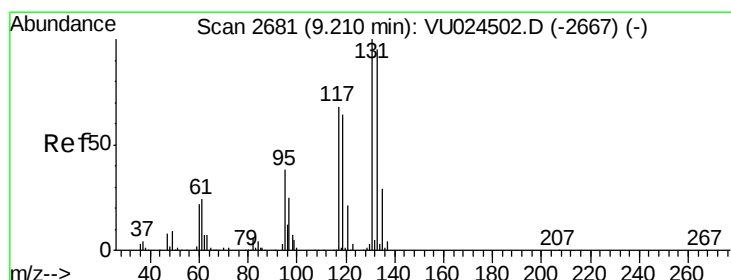
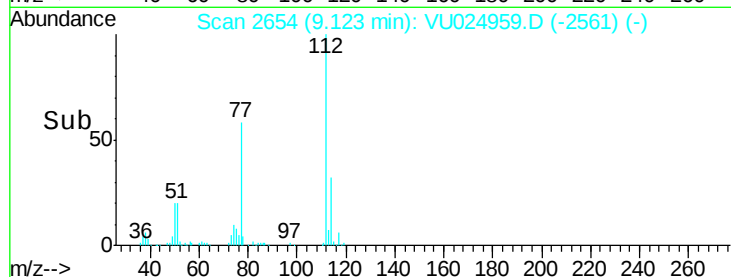
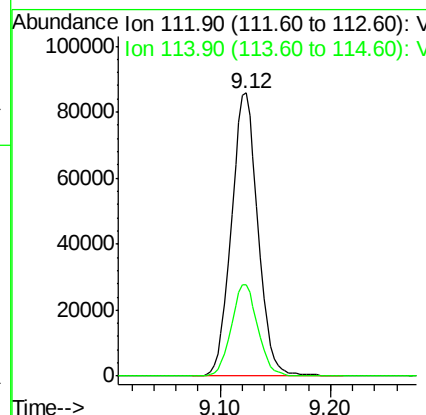
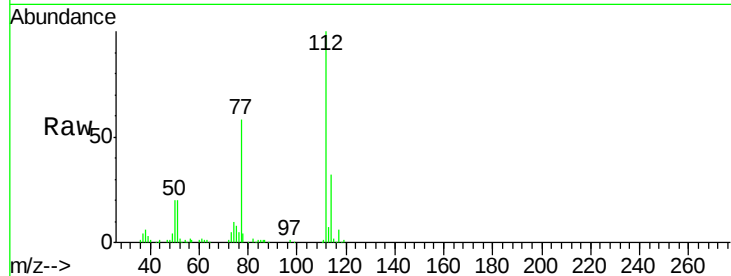
#65
Chlorobenzene
Concen: 21.273 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	143222		
114	32.3	25.6	38.4	

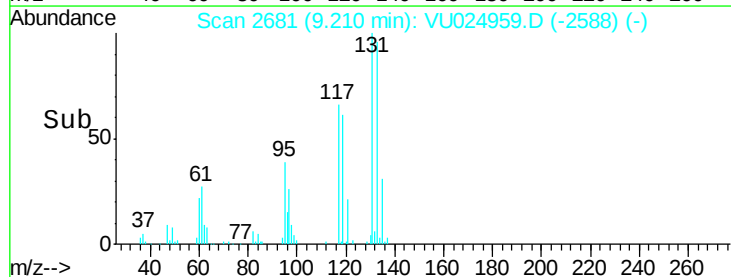
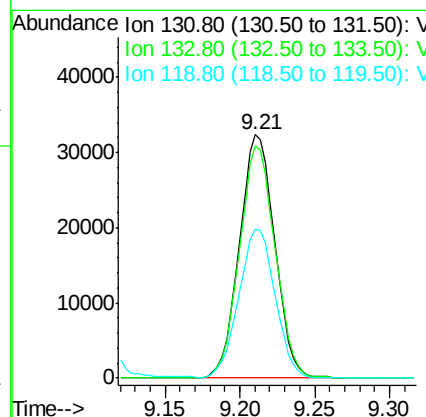
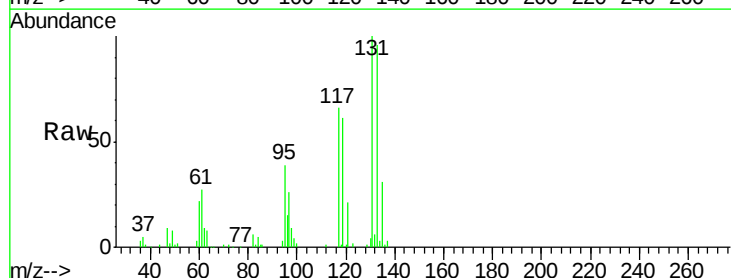
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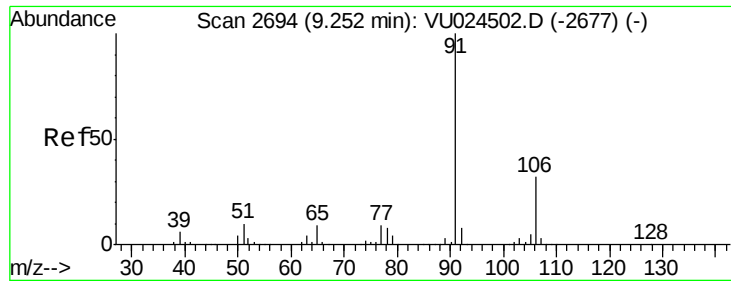
MMDadoda
6/28/2018 4:37:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.850 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	53331		
133	96.1	46.9	140.8	
119	62.8	33.5	100.4	





#67

Ethyl Benzene

Concen: 20.795 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 91 Resp: 245433

Ion Ratio Lower Upper

91 100

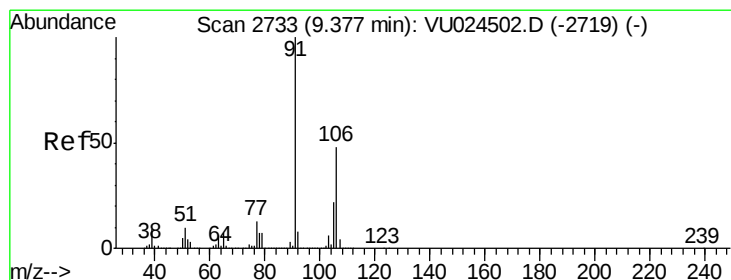
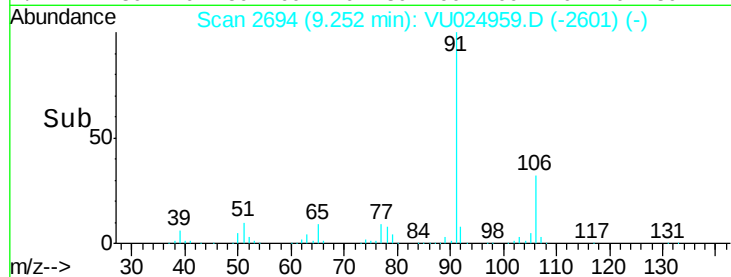
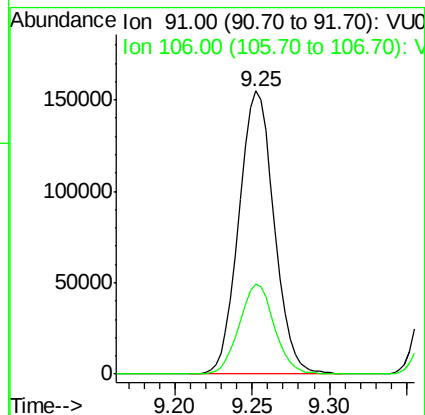
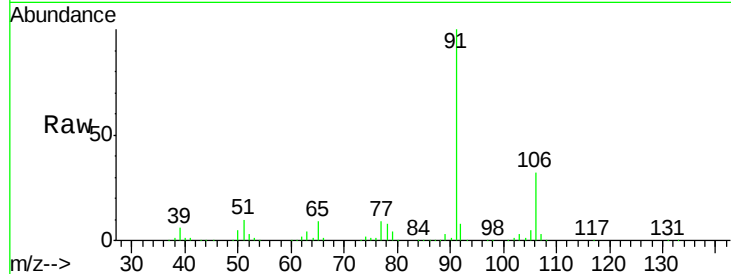
106 31.9 24.2 36.4

Manual Integrations

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6/28/2018 4:37:02 PM



#68

m/p-Xylenes

Concen: 41.782 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024959.D

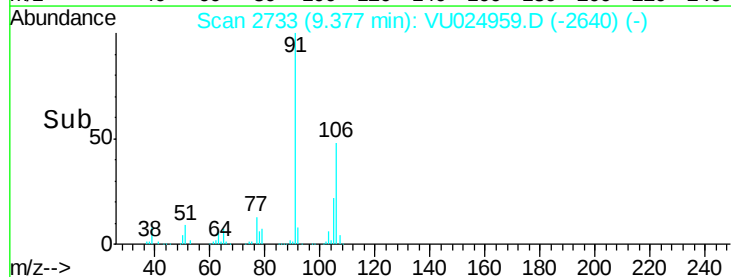
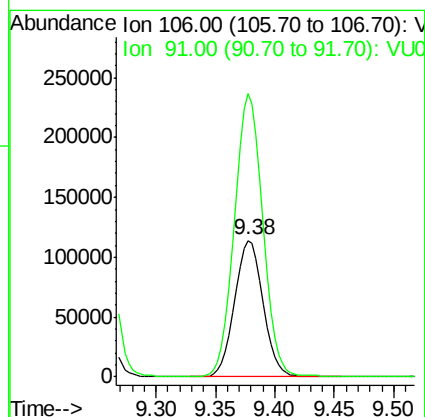
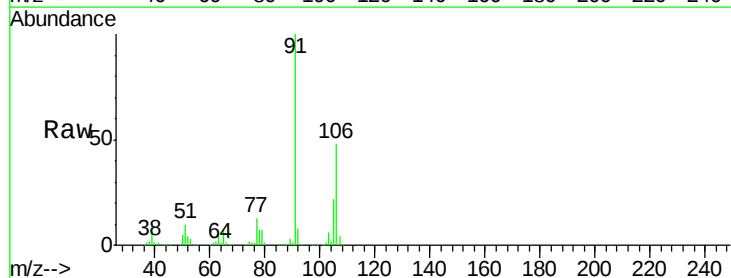
Acq: 27 Jun 2018 12:08

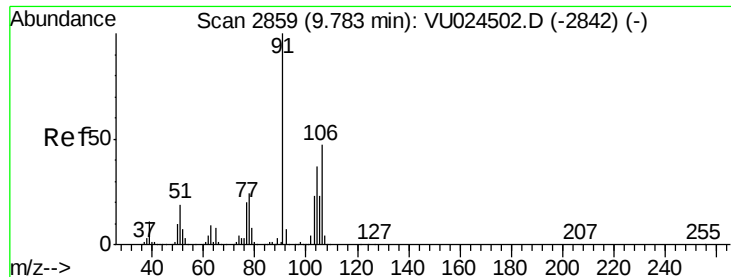
Tgt Ion: 106 Resp: 189365

Ion Ratio Lower Upper

106 100

91 205.9 166.5 249.7





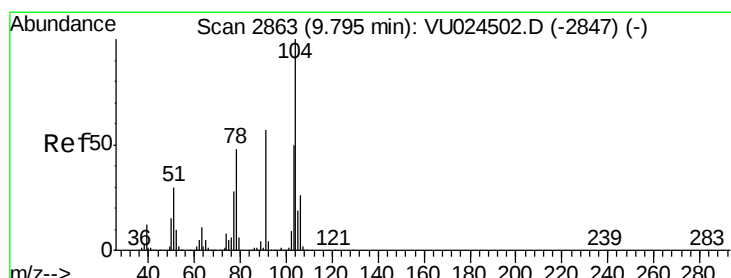
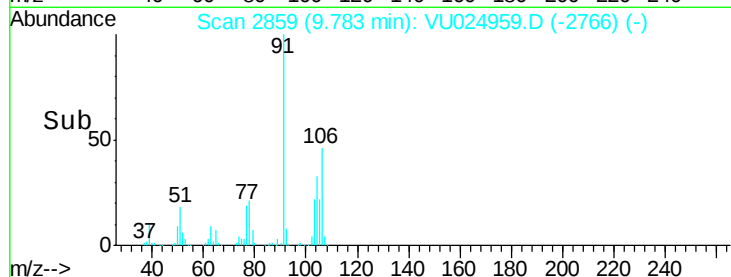
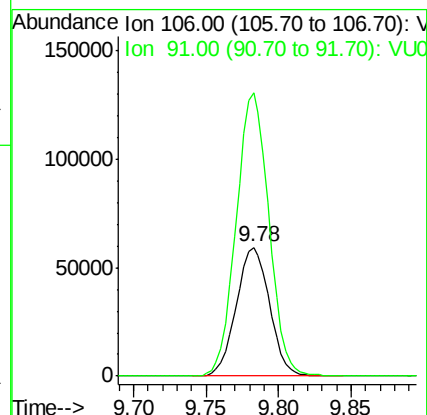
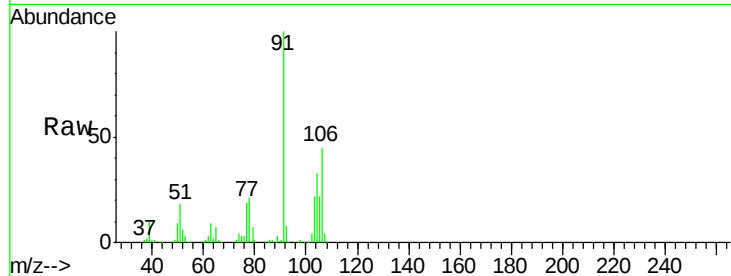
#69
o-Xylene
Concen: 21.062 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion:106 Resp: 94471
Ion Ratio Lower Upper
106 100
91 216.8 110.7 331.9

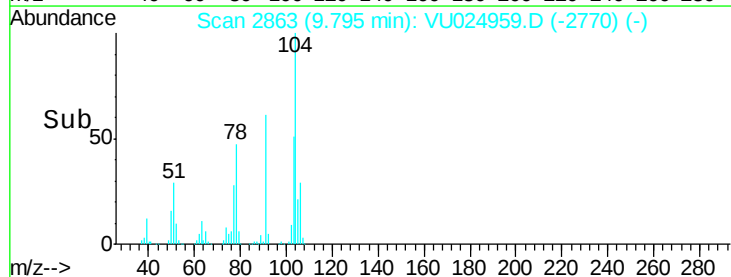
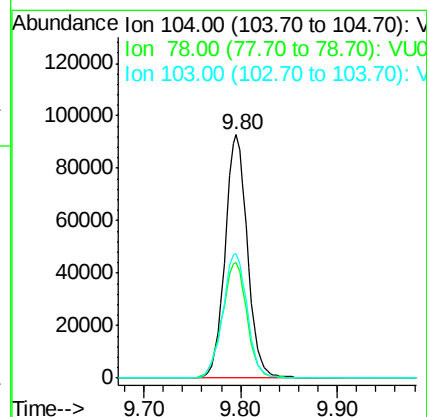
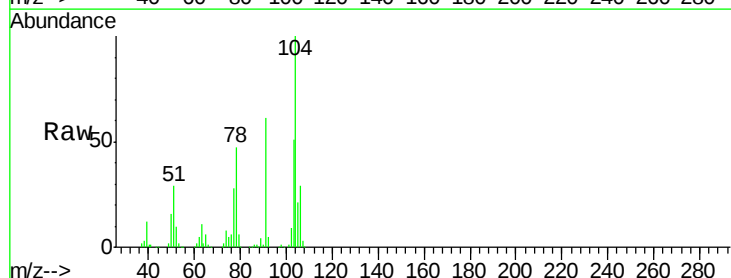
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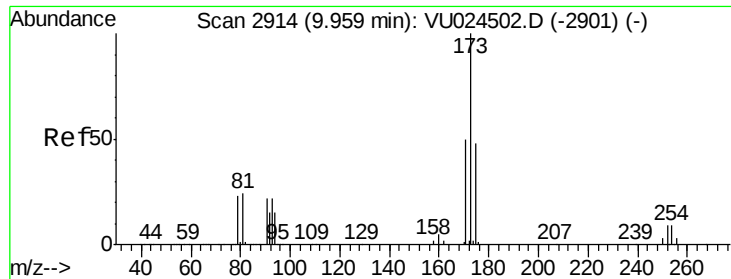
MMDadoda
6/28/2018 4:37:02 PM



#70
Styrene
Concen: 20.154 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion:104 Resp: 148550
Ion Ratio Lower Upper
104 100
78 52.4 40.6 60.8
103 55.7 44.7 67.1





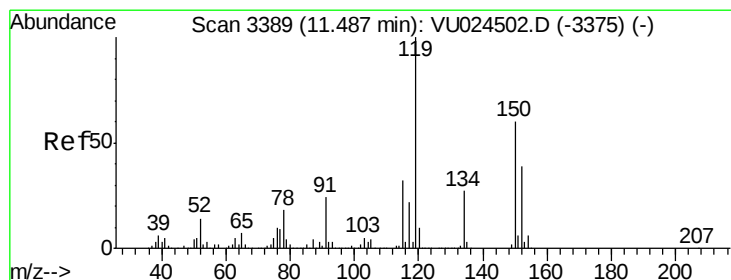
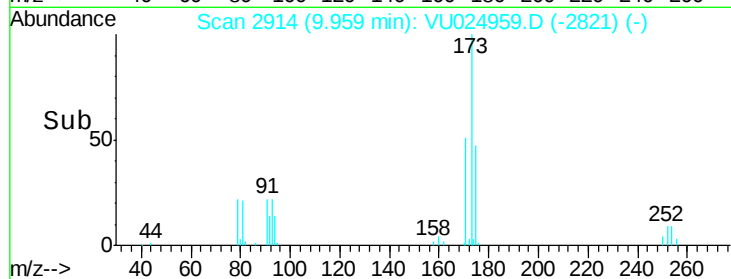
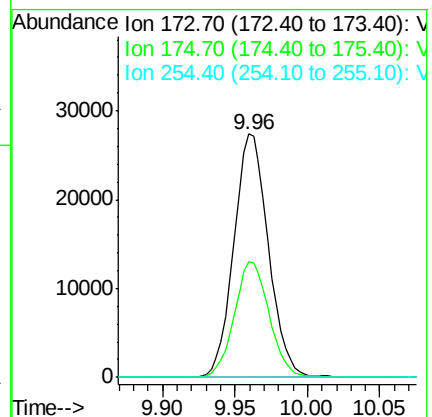
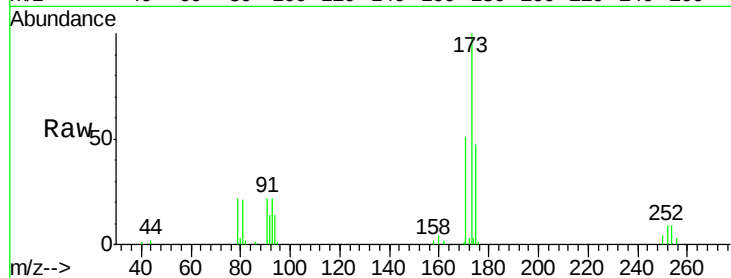
#71
Bromoform
Concen: 18.613 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.0	0.0

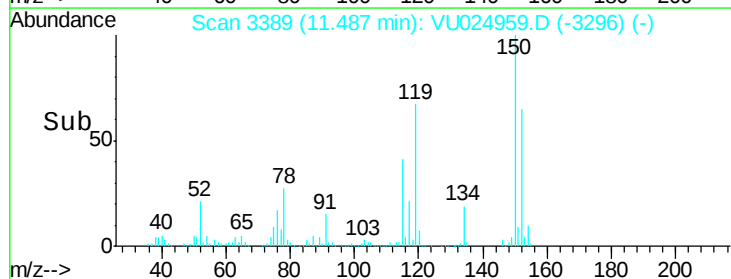
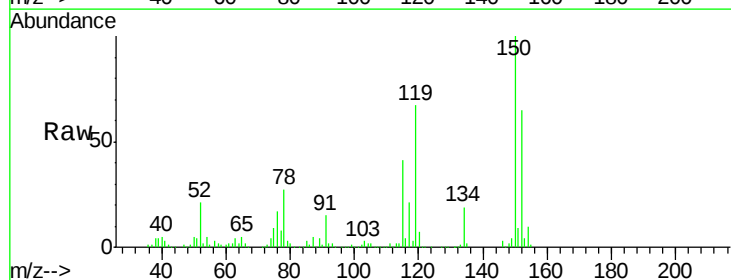
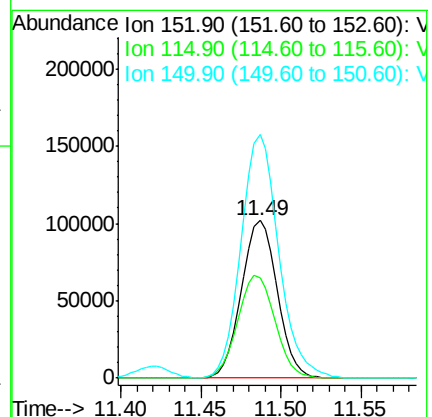
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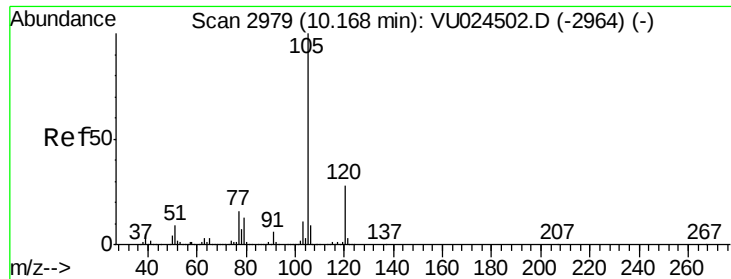
MMDadoda
6/28/2018 4:37:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.9	43.0	129.0
150	162.4	0.0	354.0





#73

Isopropylbenzene

Concen: 21.300 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 105 Resp: 254608

Ion Ratio Lower Upper

105 100

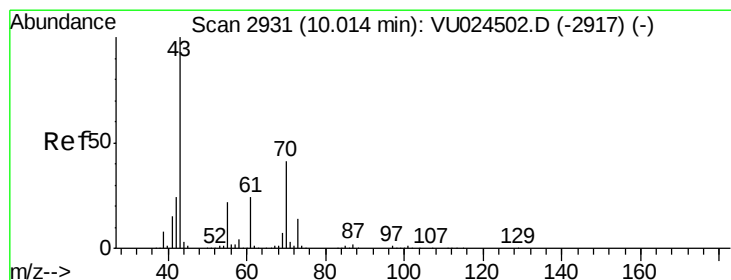
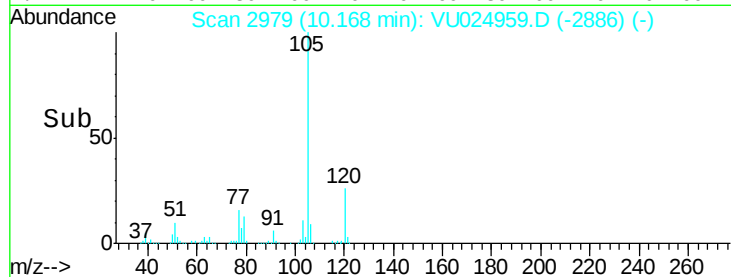
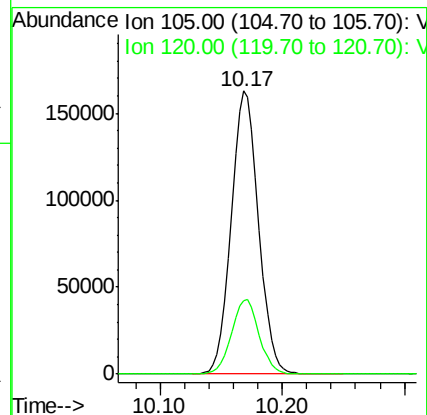
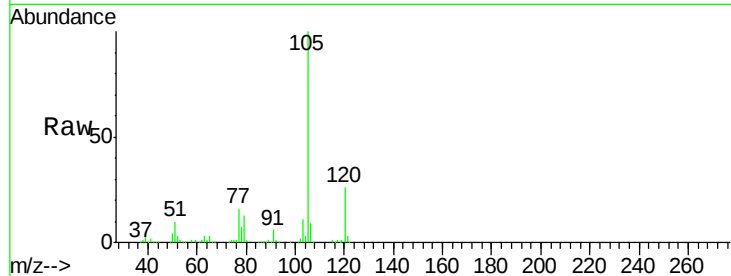
120 26.6 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.509 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion: 43 Resp: 105236

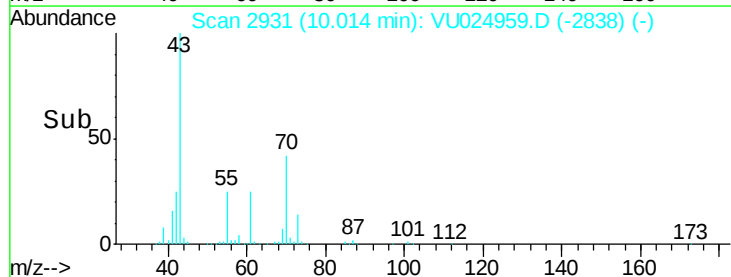
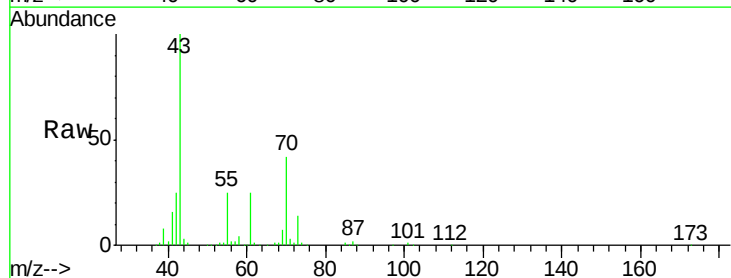
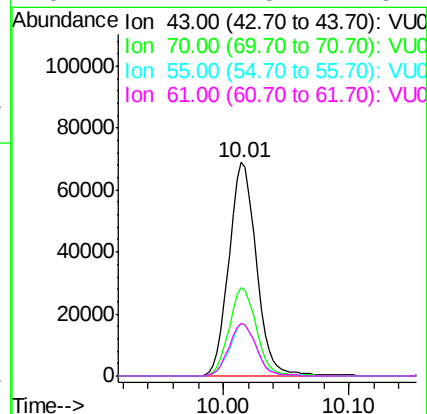
Ion Ratio Lower Upper

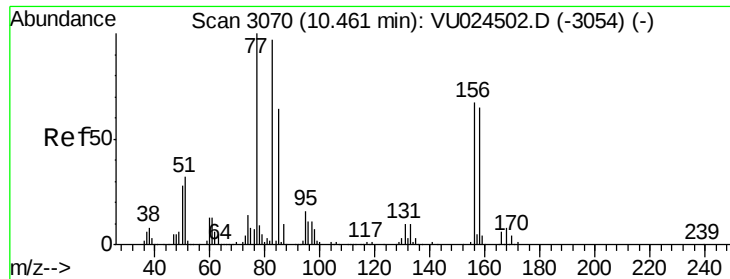
43 100

70 41.0 32.2 48.4

55 24.1 20.5 30.7

61 24.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.832 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 83 Resp: 83444

Ion Ratio Lower Upper

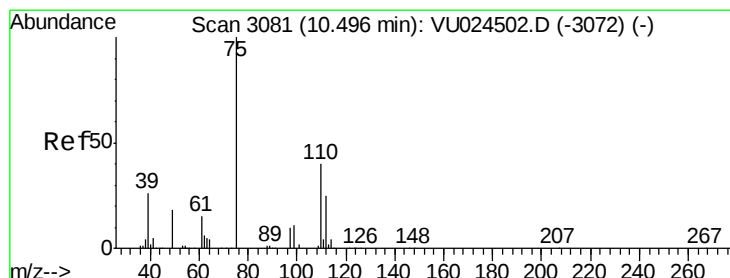
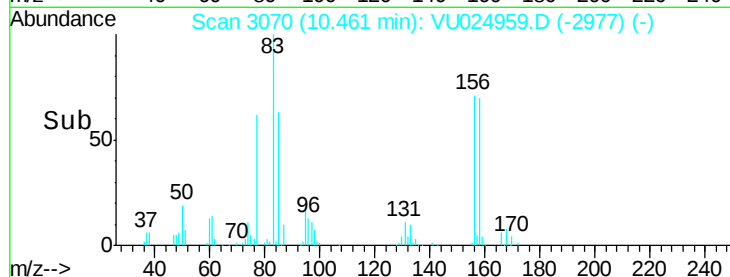
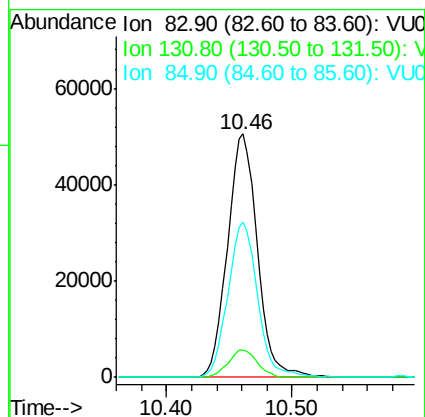
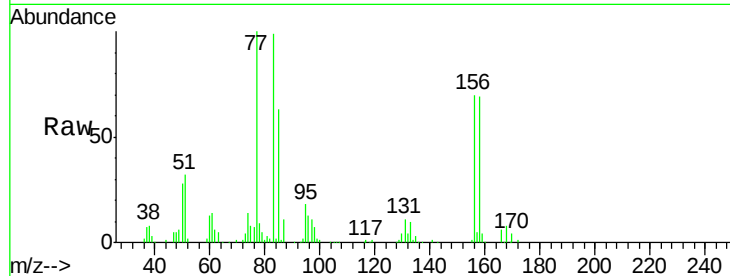
83 100

131 10.9 4.7 14.1

85 63.3 32.5 97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.777 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024959.D

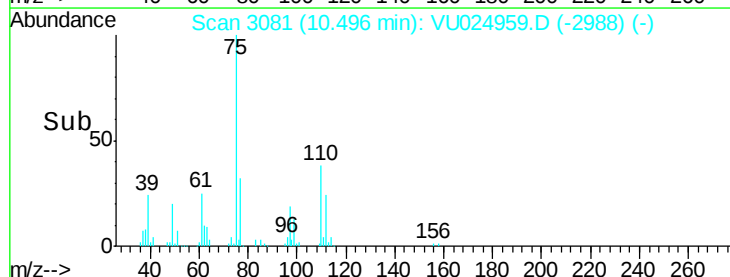
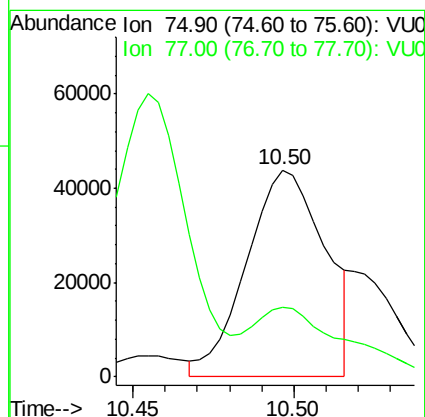
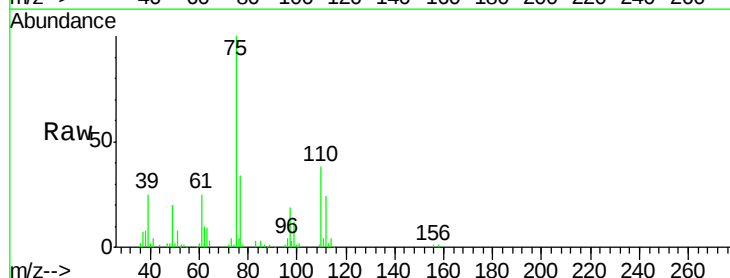
Acq: 27 Jun 2018 12:08

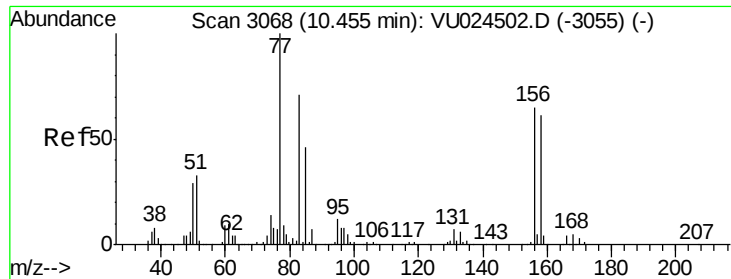
Tgt Ion: 75 Resp: 74644

Ion Ratio Lower Upper

75 100

77 39.6 20.9 62.7





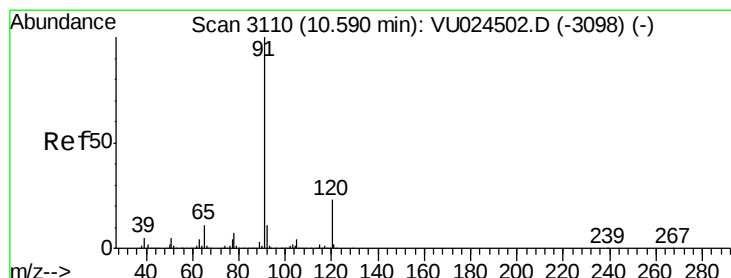
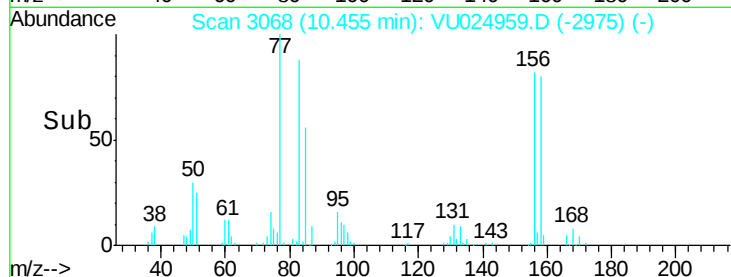
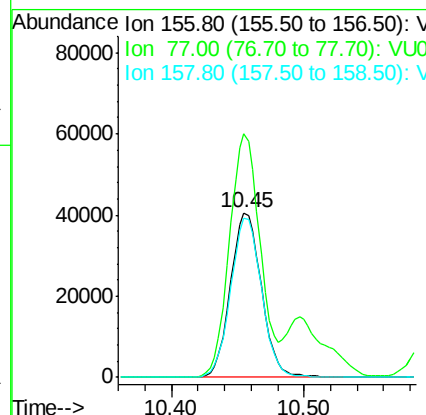
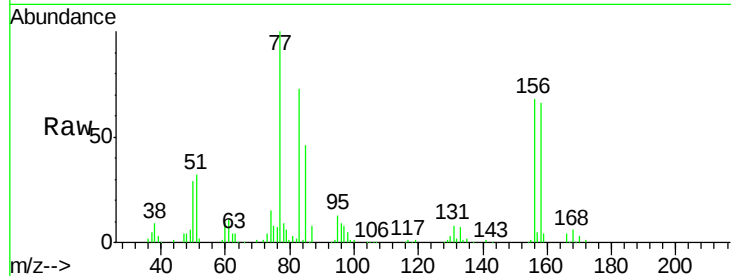
#77
Bromobenzene
Concen: 21.731 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	147.0	80.5	241.3
158	96.9	48.2	144.6

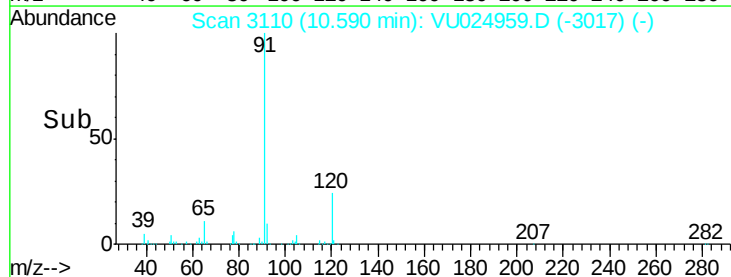
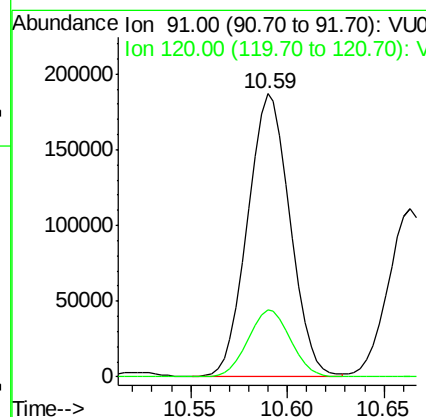
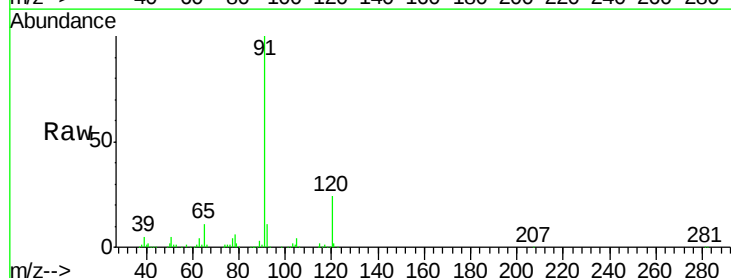
Manual Integrations
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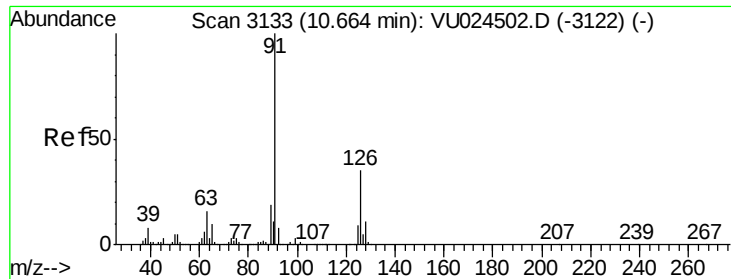
MMDadoda
6/28/2018 4:37:02 PM



#78
n-propylbenzene
Concen: 20.213 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.922 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS03

Tgt Ion: 91 Resp: 173729

Ion Ratio Lower Upper

91 100

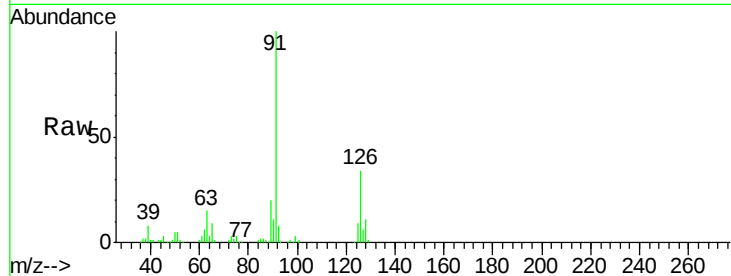
126 34.5 16.9 50.7

Manual Integrations

APPROVED

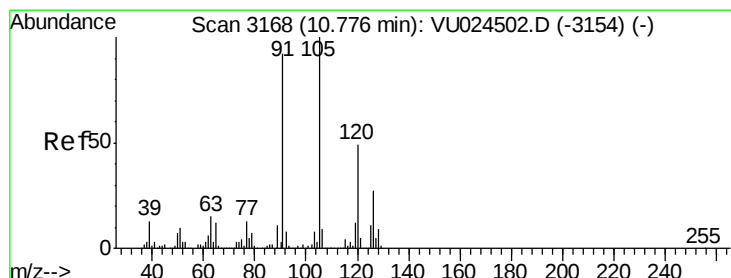
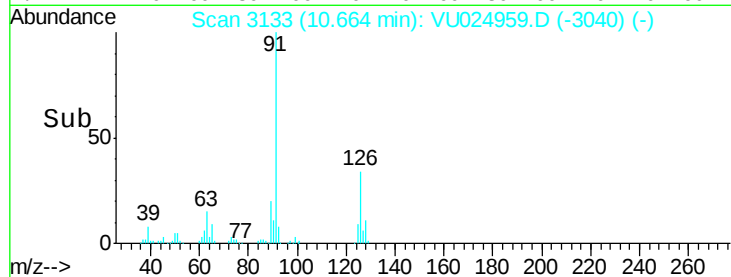
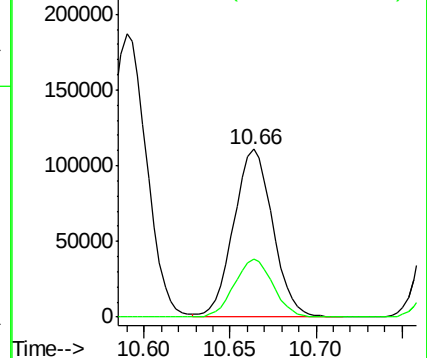
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.402 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024959.D

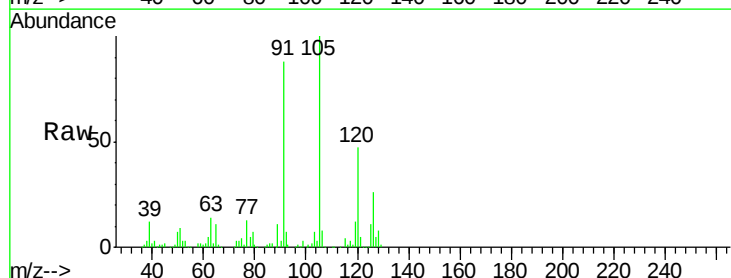
Acq: 27 Jun 2018 12:08

Tgt Ion: 105 Resp: 221731

Ion Ratio Lower Upper

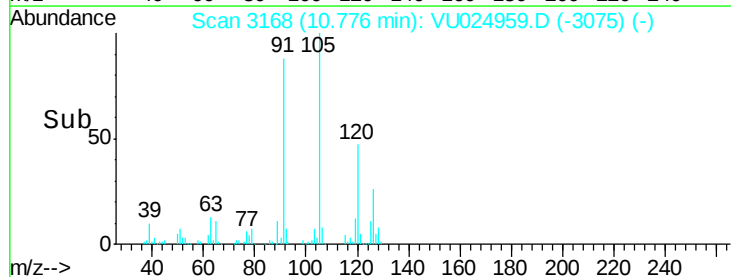
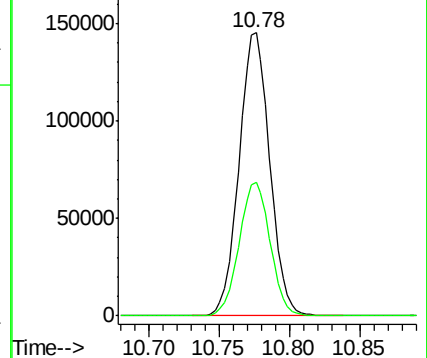
105 100

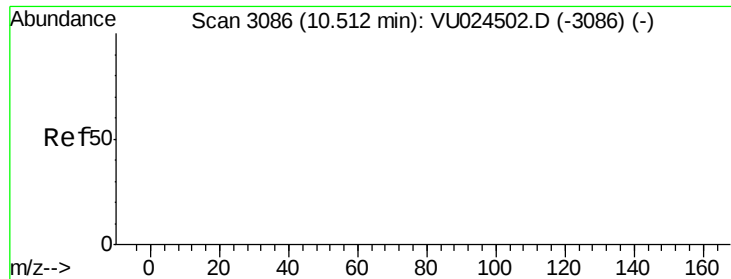
120 47.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





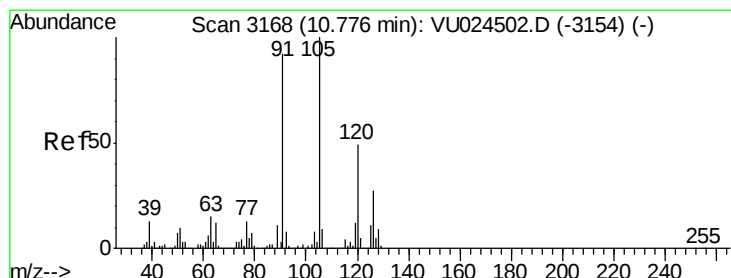
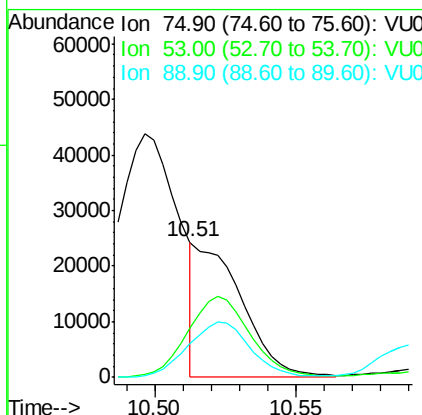
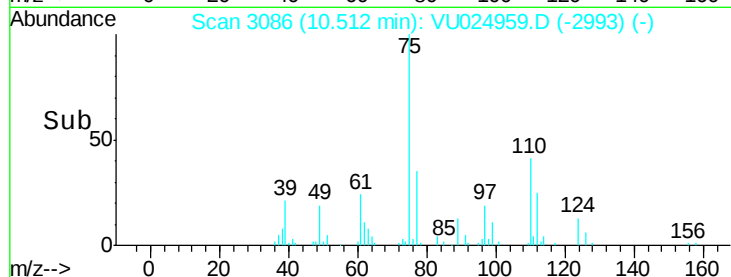
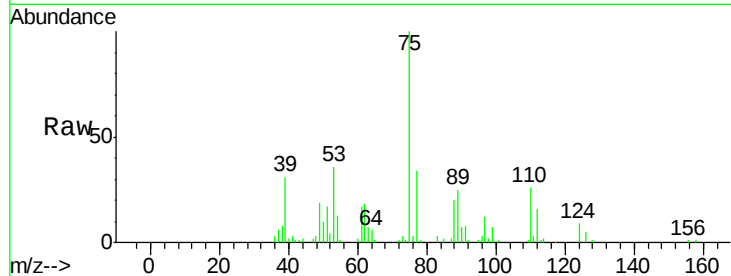
#81
trans-1,4-Dichloro-2-butene
Concen: 18.548 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

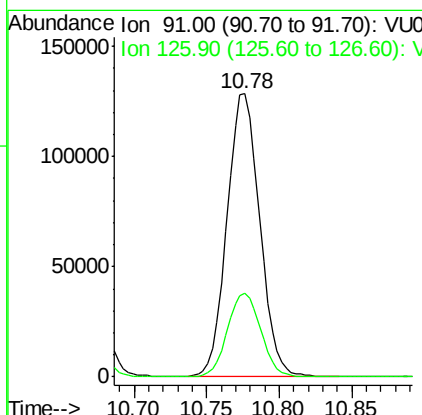
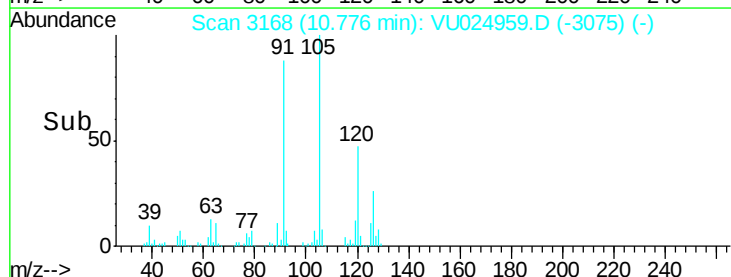
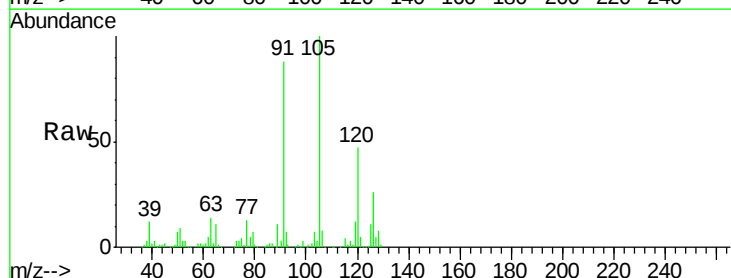
Manual Integrations
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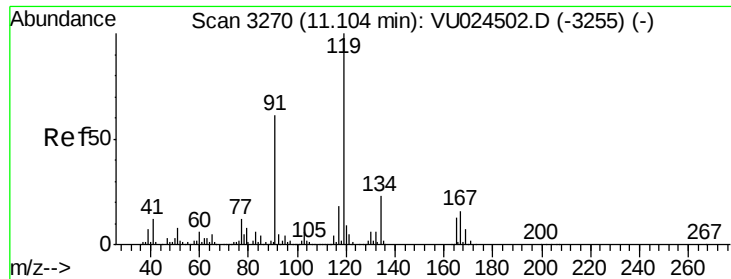
MMDadoda
6/28/2018 4:37:02 PM



#82
4-Chlorotoluene
Concen: 20.725 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.9





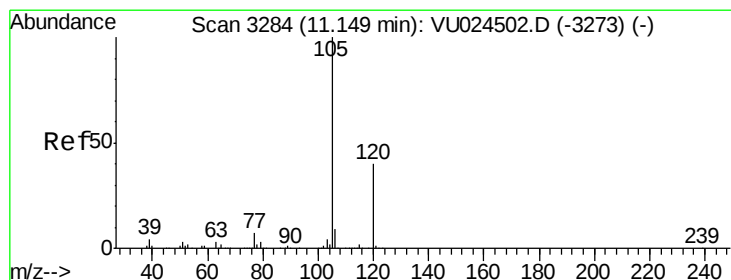
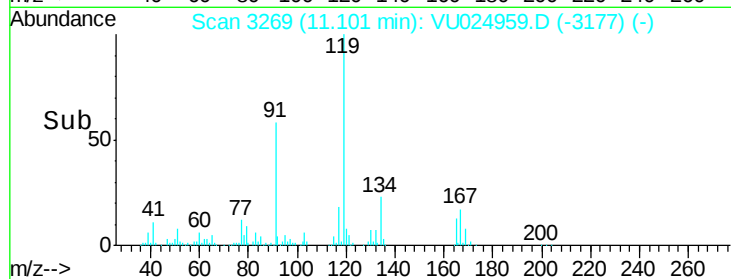
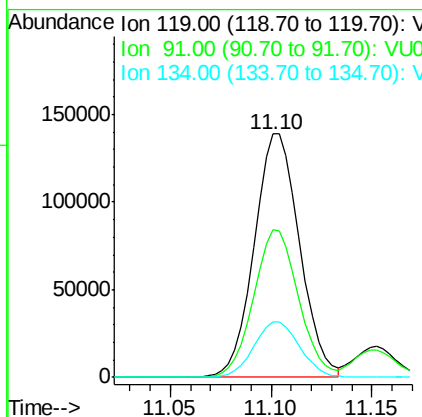
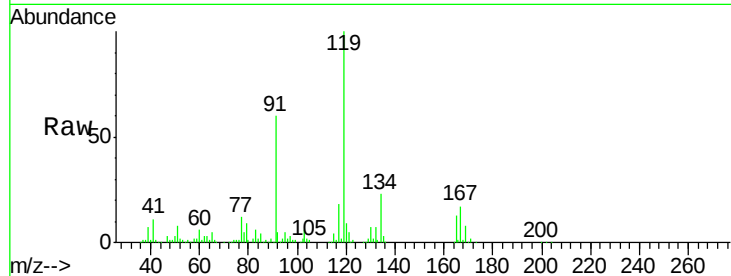
#83
 tert-Butylbenzene
 Concen: 21.917 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	218419		
91	60.1	29.7	89.1	
134	23.1	11.6	34.7	

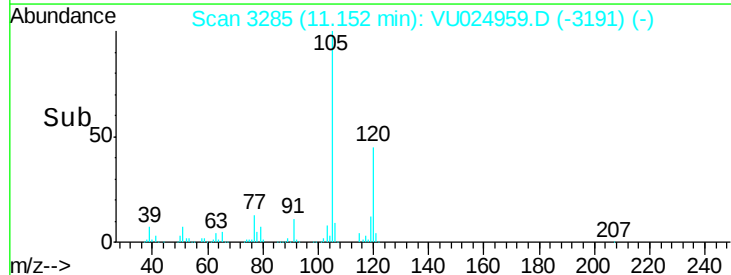
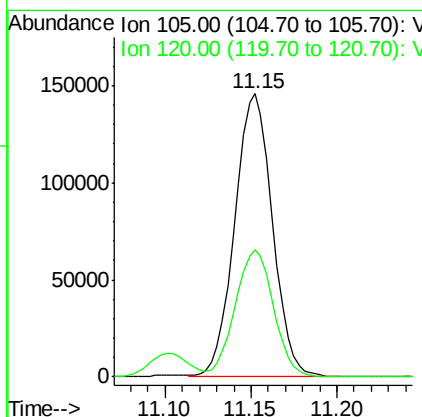
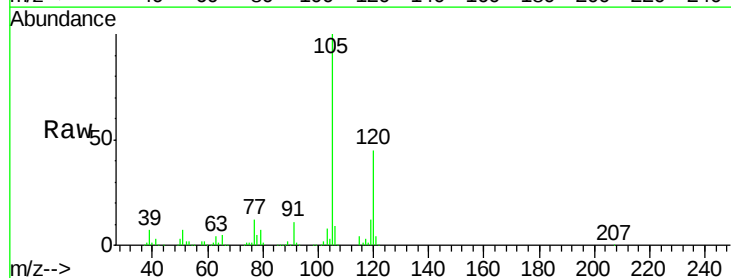
Manual Integrations
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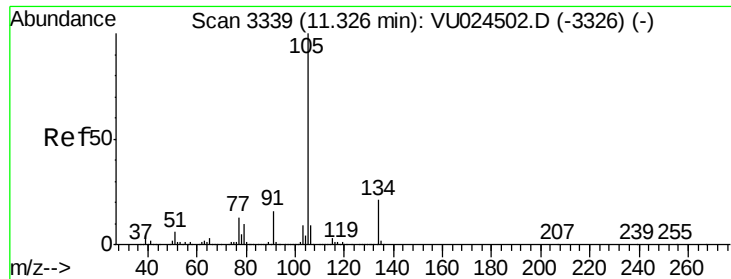
MMDadoda
 6/28/2018 4:37:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.048 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222230		
120	45.6	22.6	67.8	





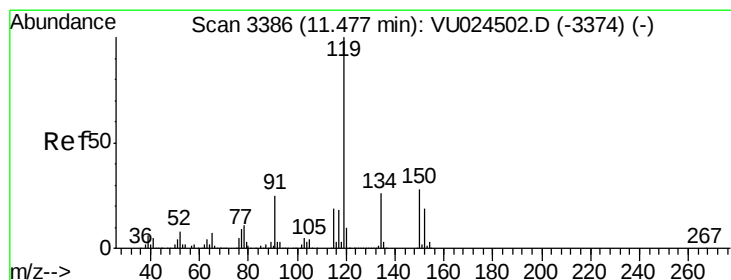
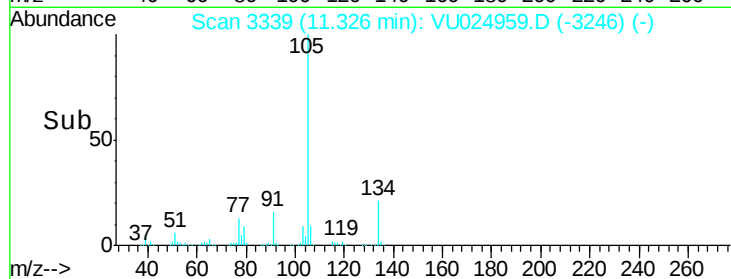
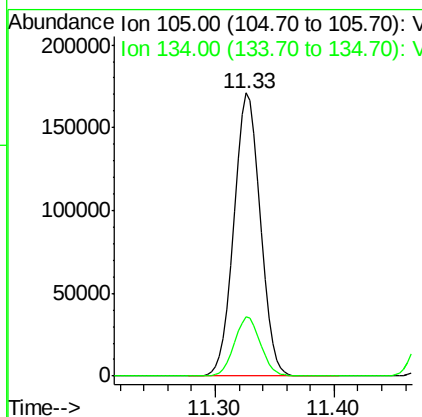
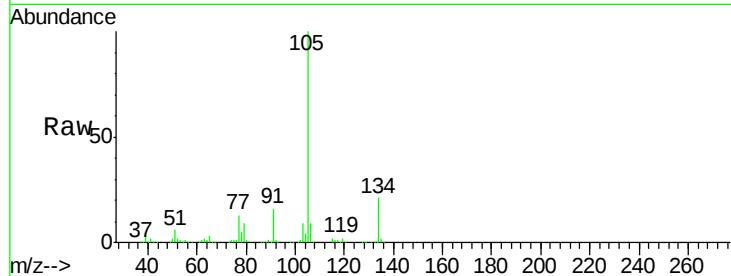
#85
 sec-Butylbenzene
 Concen: 21.078 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262938		
134	20.7	9.7	29.1	

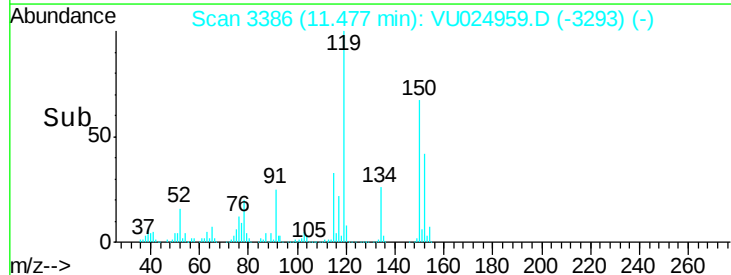
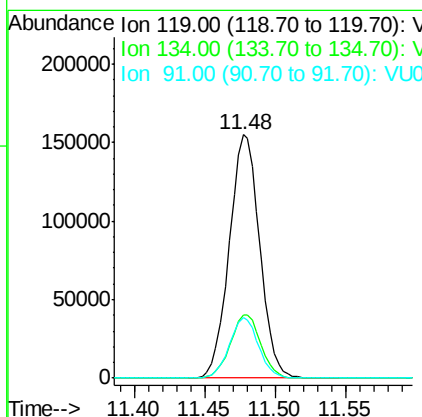
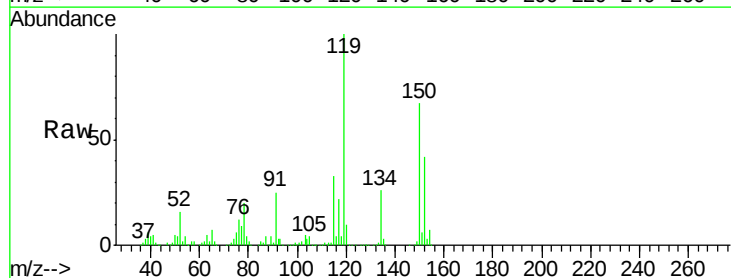
Manual Integrations
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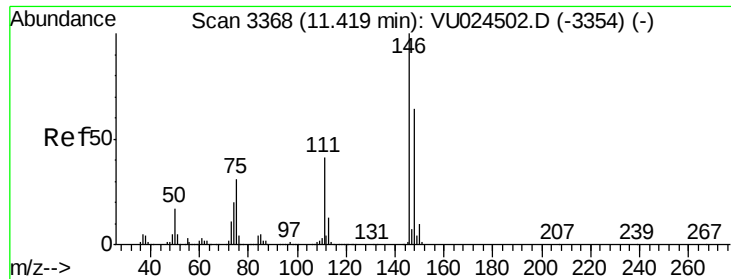
MMDadoda
 6/28/2018 4:37:02 PM



#86
 p-Isopropyltoluene
 Concen: 20.831 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	232732		
134	26.0	12.9	38.6	
91	24.0	12.0	36.1	





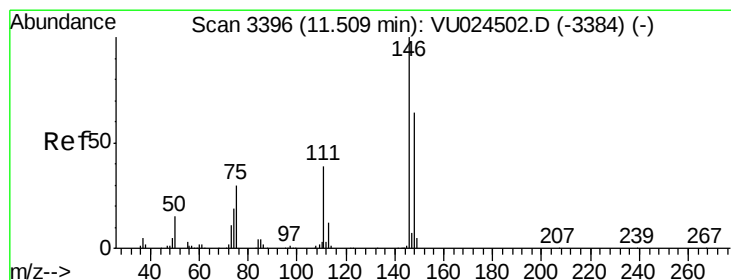
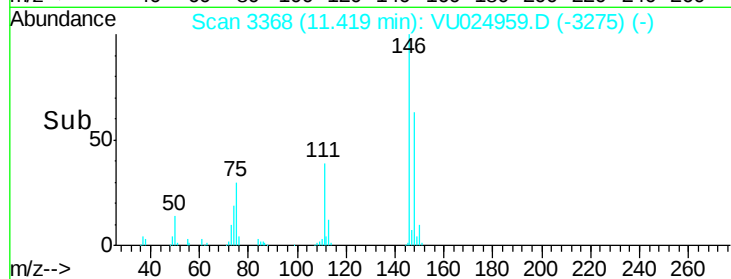
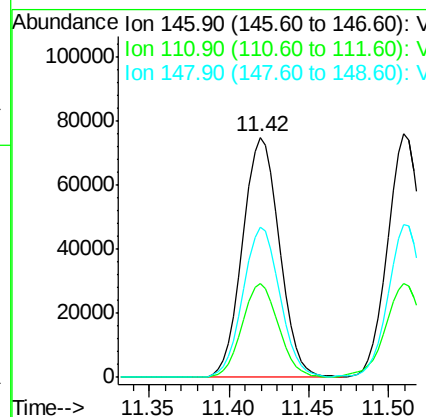
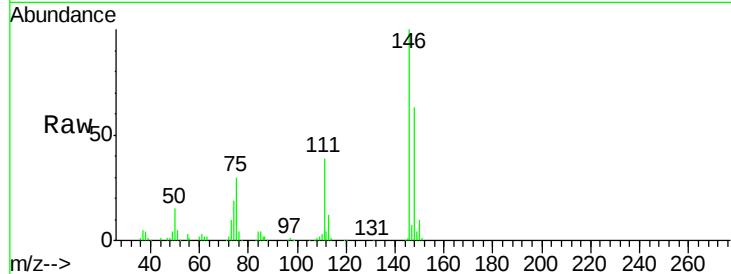
#87
 1,3-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	60.0
148	62.9	32.1	96.5

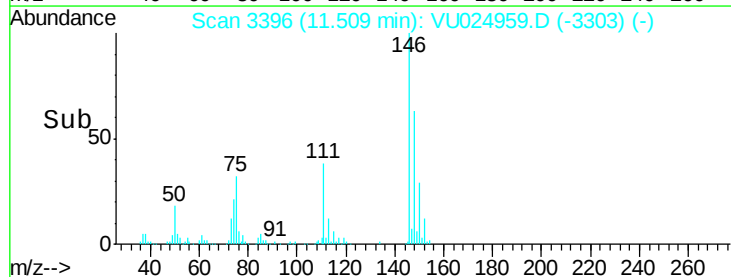
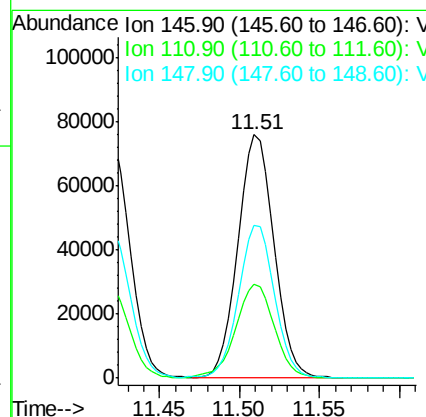
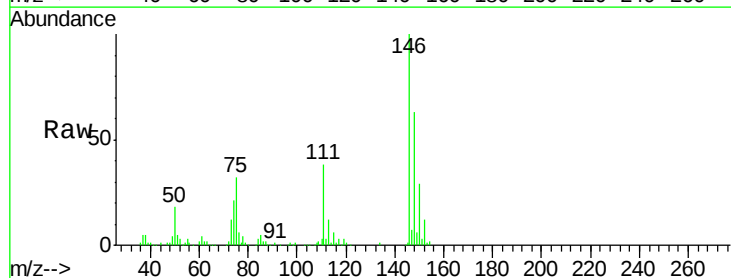
Manual Integrations
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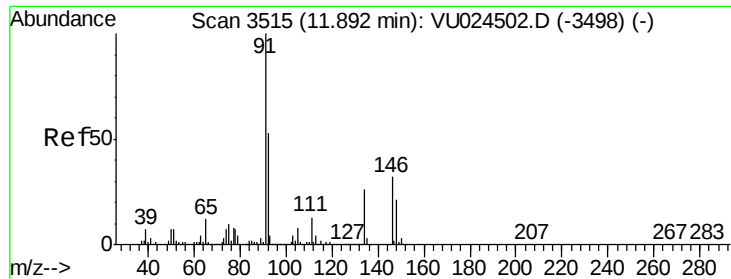
MMDadoda
 6/28/2018 4:37:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.636 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.5	58.5
148	63.4	32.4	97.0





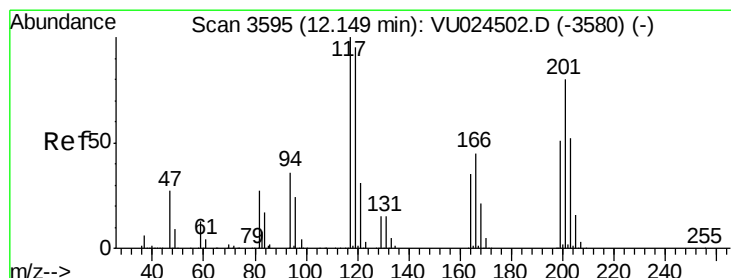
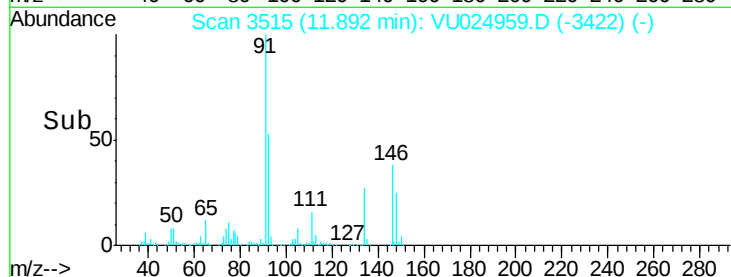
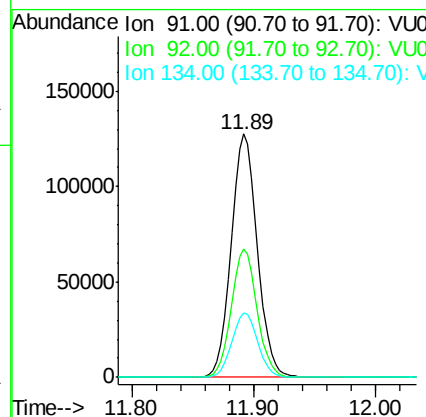
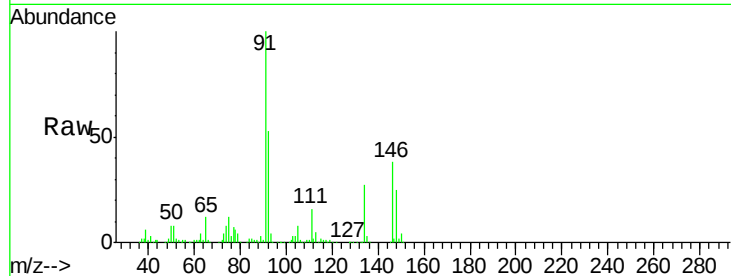
#89
n-Butylbenzene
Concen: 19.300 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.6	76.8
134	26.5	12.3	36.8

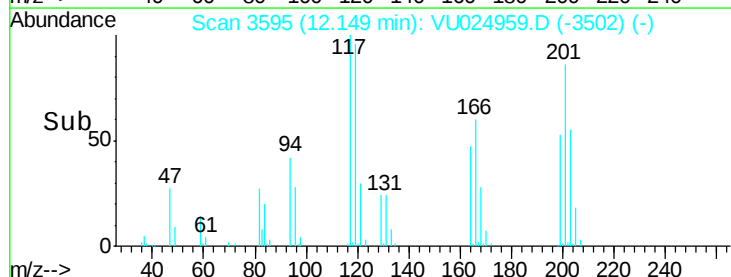
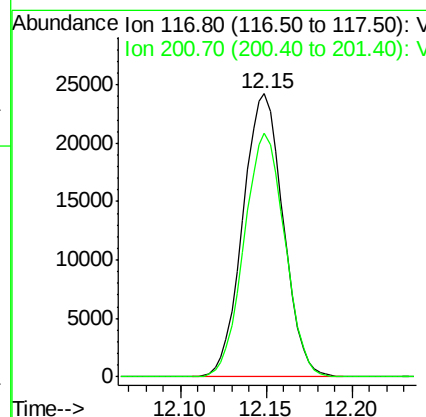
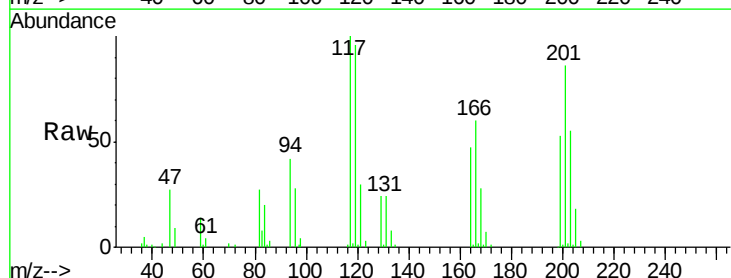
Manual Integrations
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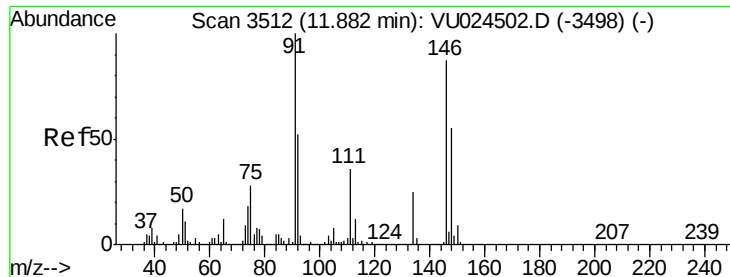
MMDadoda
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#90
Hexachloroethane
Concen: 18.166 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	41.1	123.3





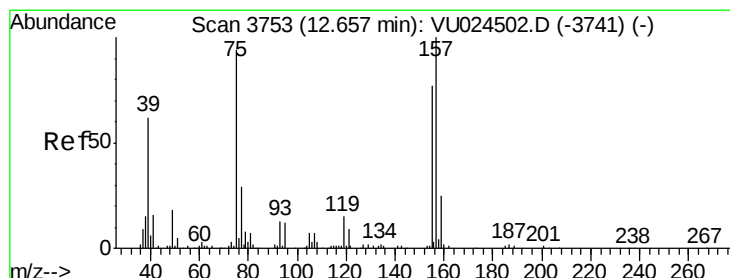
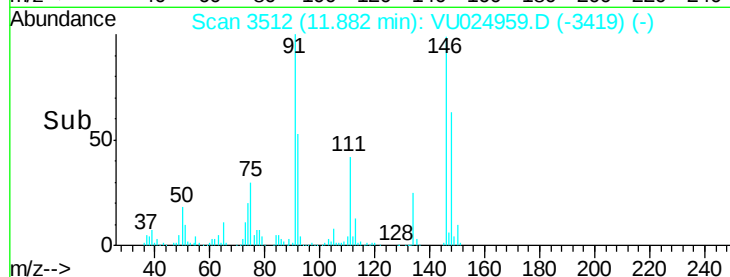
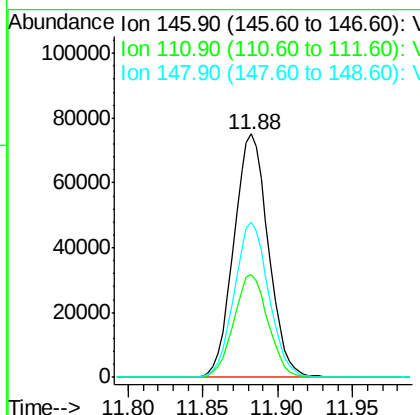
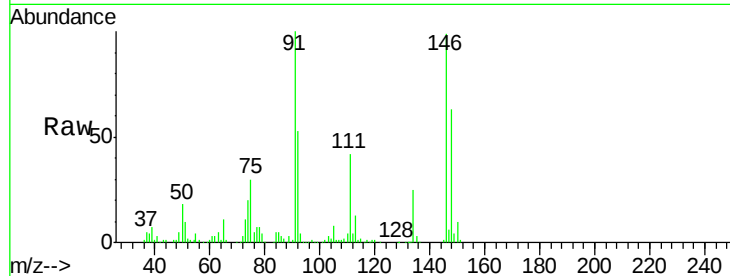
#91
1,2-Dichlorobenzene
Concen: 21.572 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS03

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.7	20.5	61.6
148	63.7	31.9	95.7

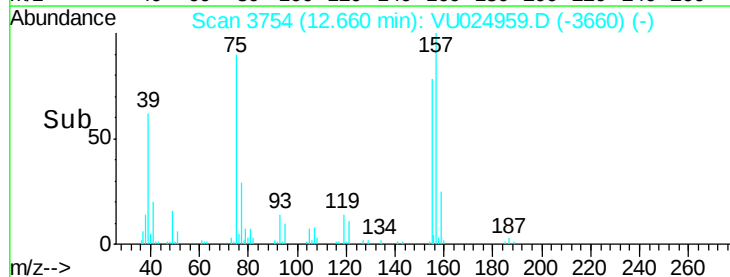
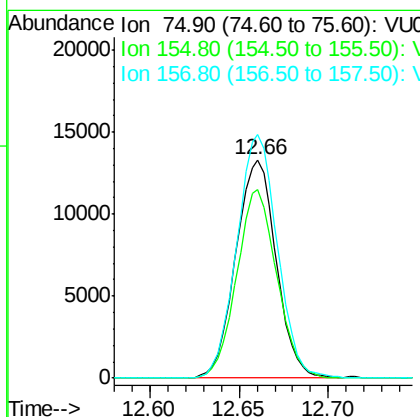
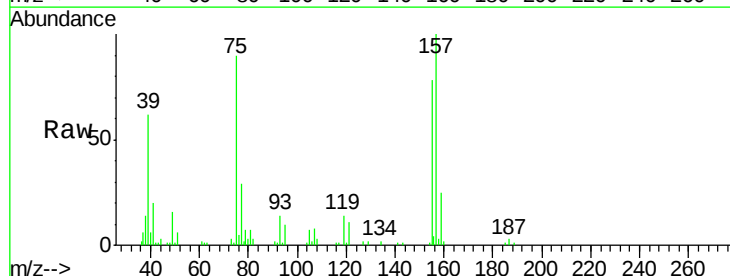
Manual Integrations
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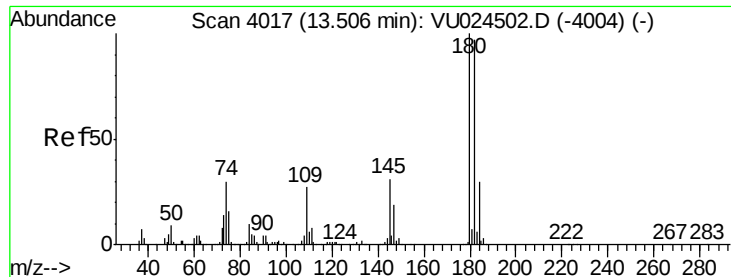
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#92
1,2-Dibromo-3-Chloropropane
Concen: 19.026 ug/l
RT: 12.66 min Scan# 3754
Delta R.T. 0.00 min
Lab File: VU024959.D
Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
155	86.0	40.4	121.2
157	112.2	52.3	156.8





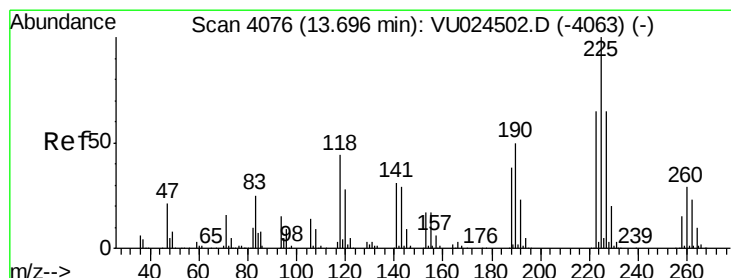
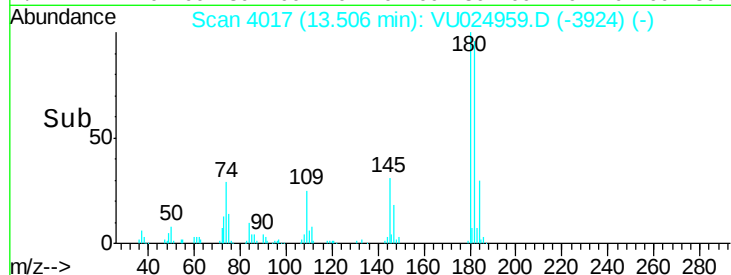
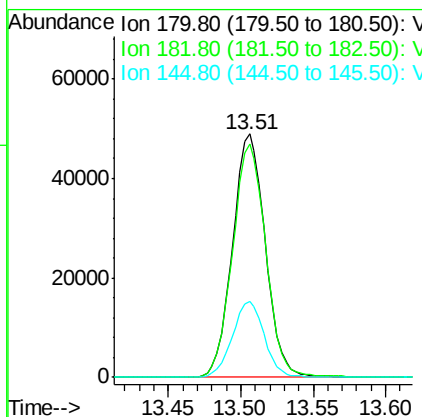
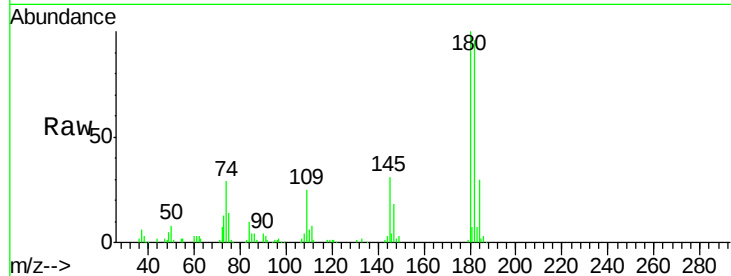
#93
 1,2,4-Trichlorobenzene
 Concen: 22.160 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	76629		
182	97.6	48.0	144.2	
145	30.3	14.7	44.1	

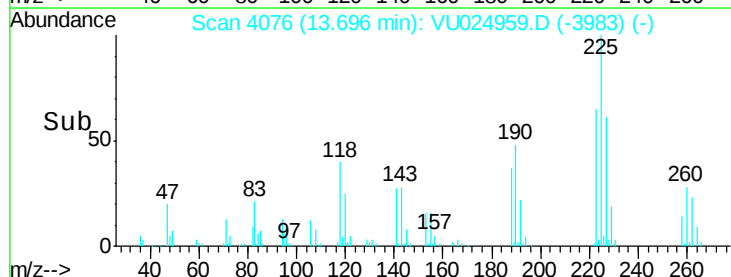
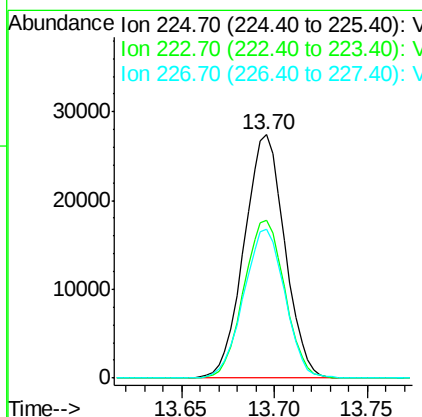
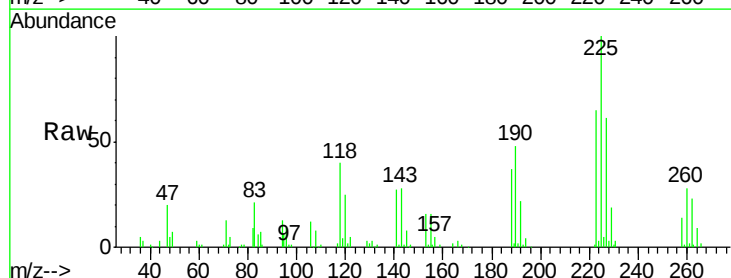
Manual Integrations
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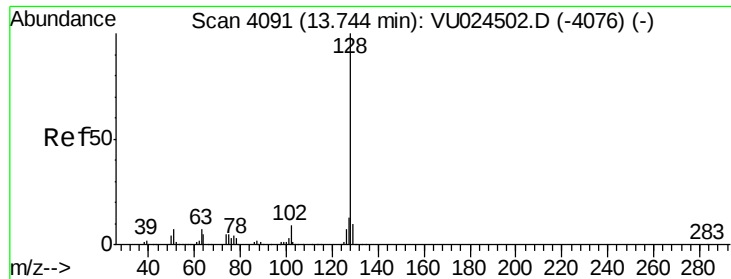
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#94
 Hexachlorobutadiene
 Concen: 21.515 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024959.D
 Acq: 27 Jun 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41877		
223	65.2	31.3	93.8	
227	62.2	31.8	95.4	





#95

Naphthalene

Concen: 22.026 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Instrument :

MSVOA_U

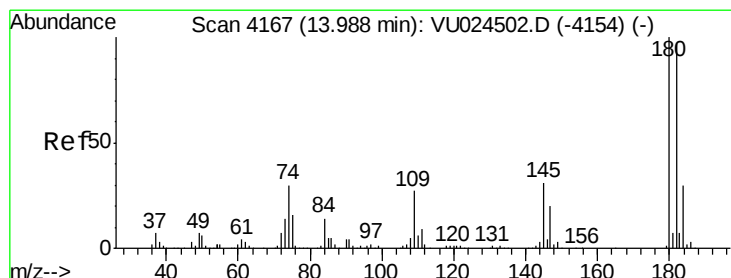
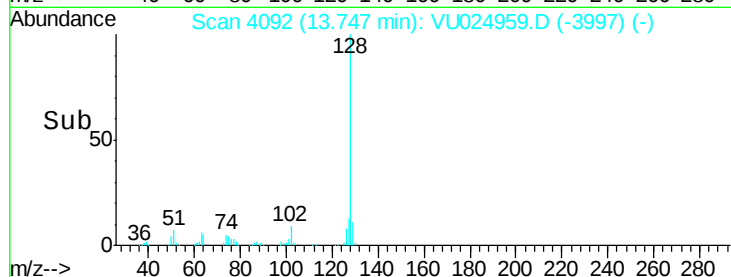
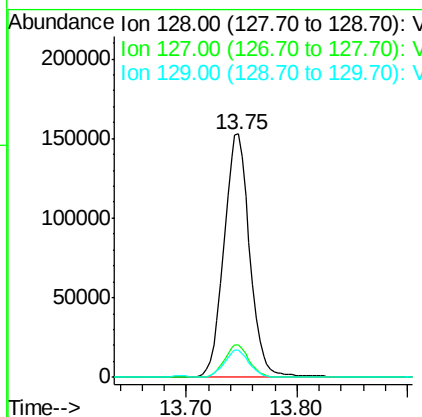
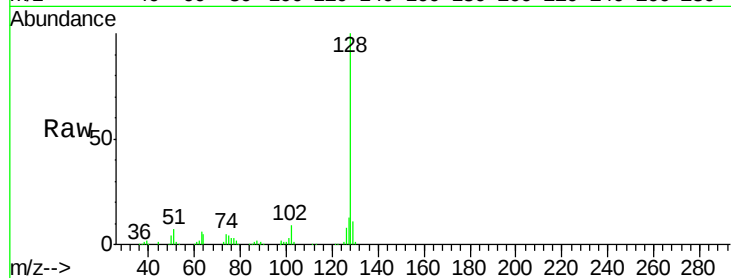
ClientSampleId :

VU0627MBS03

Tgt Ion:	128	Resp:	247737
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 23.228 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024959.D

Acq: 27 Jun 2018 12:08

Tgt Ion:	180	Resp:	80036
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.9	143.7
145	32.3	15.4	46.1

