

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024711.D
 Acq On : 18 Jun 2018 23:53
 Operator : MD/SY
 Sample : VU0618WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Manual Integrations
 APPROVED

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 6/19/2018 1:55:07 PM

Quant Time: Jun 19 07:44:37 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	152447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	128157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	121200	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	4.89	113	103133	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	7.57	98	372496	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	10.31	95	136152	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31911	16.72	ug/l	98
3) Chloromethane	1.33	50	38536	19.77	ug/l	96
4) Vinyl Chloride	1.40	62	39590	19.69	ug/l	97
5) Bromomethane	1.63	94	25470	26.21	ug/l	97
6) Chloroethane	1.70	64	25770	22.36	ug/l	98
7) Trichlorofluoromethane	1.89	101	65277	21.28	ug/l	95
8) Diethyl Ether	2.10	74	25374	23.30	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35092	18.44	ug/l	96
10) Methyl Iodide	2.41	142	31934	23.02	ug/l	97
11) Tert butyl alcohol	2.82	59	60513	99.98	ug/l	100
12) 1,1-Dichloroethene	2.28	96	33984	19.58	ug/l	91
13) Acrolein	2.19	56	11071	34.83	ug/l	99
14) Allyl chloride	2.60	41	53258	16.52	ug/l	92
15) Acrylonitrile	2.93	53	127875	108.59	ug/l	97
16) Acetone	2.32	43	115909	86.68	ug/l	96
17) Carbon Disulfide	2.48	76	95318	17.15	ug/l	100
18) Methyl Acetate	2.62	43	72276	25.21	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	132275	20.27	ug/l	96
20) Methylene Chloride	2.70	84	41211	19.64	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	37289	19.50	ug/l	91
22) Diisopropyl ether	3.57	45	132554	20.75	ug/l	98
23) Vinyl Acetate	3.53	43	537008	93.83	ug/l	99
24) 1,1-Dichloroethane	3.45	63	75092	20.43	ug/l	100
25) 2-Butanone	4.26	43	187227	104.24	ug/l	97
26) 2,2-Dichloropropane	4.23	77	24539	7.03	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	44704	20.34	ug/l	89
28) Bromochloromethane	4.55	49	33977	20.99	ug/l	88
29) Tetrahydrofuran	4.63	42	123726	111.23	ug/l	99
30) Chloroform	4.68	83	75820	20.38	ug/l	99
31) Cyclohexane	5.00	56	66939	19.30	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	65833	19.14	ug/l	96
36) 1,1-Dichloropropene	5.14	75	51653	17.71	ug/l	94
37) Ethyl Acetate	4.38	43	70014	22.02	ug/l	96
38) Carbon Tetrachloride	5.14	117	59370	18.51	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62747	17.24	ug/l	95
40) Benzene	5.39	78	163770	19.70	ug/l	99
41) Methacrylonitrile	4.54	41	36897	21.52	ug/l	94
42) 1,2-Dichloroethane	5.41	62	59475	18.79	ug/l	97
43) Isopropyl Acetate	5.55	43	111180	20.23	ug/l	99
44) Trichloroethene	6.19	130	45274	19.14	ug/l	93
45) 1,2-Dichloropropane	6.44	63	45145	20.36	ug/l	98
46) Dibromomethane	6.56	93	31334	20.11	ug/l	94
47) Bromodichloromethane	6.76	83	58600	18.89	ug/l	98
48) Methyl methacrylate	6.63	41	53598	20.03	ug/l	96
49) 1,4-Dioxane	6.62	88	24886	475.52	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	369776	107.10	ug/l	98
52) Toluene	7.64	92	100723	18.83	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	56721	16.28	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	60072	16.18	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	44293	20.38	ug/l	98
56) Ethyl methacrylate	8.02	69	73880	20.31	ug/l	98
57) 1,3-Dichloropropane	8.25	76	73542	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	162463	116.56	ug/l	97
59) 2-Hexanone	8.36	43	292624	103.81	ug/l	100
60) Dibromochloromethane	8.48	129	48743	17.98	ug/l	99
61) 1,2-Dibromoethane	8.59	107	47005	19.43	ug/l	97
64) Tetrachloroethene	8.23	164	44374	20.43	ug/l	98
65) Chlorobenzene	9.12	112	116767	20.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45196	20.38	ug/l	98
67) Ethyl Benzene	9.25	91	198493	19.40	ug/l	98
68) m/p-Xylenes	9.38	106	152504	38.82	ug/l	95
69) o-Xylene	9.78	106	77778	20.00	ug/l	96
70) Styrene	9.80	104	123945	19.40	ug/l	98
71) Bromoform	9.96	173	39064	18.53	ug/l #	99
73) Isopropylbenzene	10.17	105	201613	20.49	ug/l	99
74) N-amyl acetate	10.01	43	98834	21.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	75193	22.81	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	63638m	22.55	ug/l	
77) Bromobenzene	10.46	156	52410	21.04	ug/l	94
78) n-propylbenzene	10.59	91	223397	19.27	ug/l	98
79) 2-Chlorotoluene	10.66	91	137044	20.05	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	169595	19.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	17746m	14.56	ug/l	
82) 4-Chlorotoluene	10.78	91	154171	19.38	ug/l	100
83) tert-Butylbenzene	11.10	119	169013	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	172112	19.80	ug/l	97
85) sec-Butylbenzene	11.33	105	199214	19.40	ug/l	97
86) p-Isopropyltoluene	11.48	119	173015	18.81	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	91056	19.79	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	92031	19.87	ug/l	99
89) n-Butylbenzene	11.89	91	140202	17.17	ug/l	98
90) Hexachloroethane	12.15	117	33288	18.55	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	96209	20.87	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19196	21.10	ug/l	91

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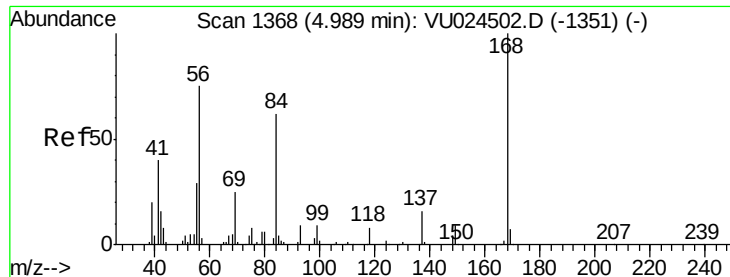
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	60006	21.08	ug/l	99
94) Hexachlorobutadiene	13.70	225	29499	18.41	ug/l	99
95) Naphthalene	13.74	128	222721	23.99	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	66609	23.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion:168 Resp: 152447

Ion Ratio Lower Upper

168 100

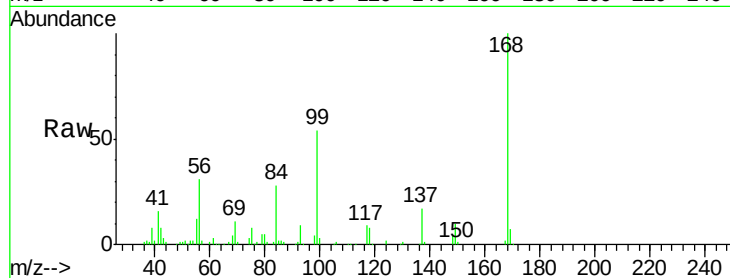
99 53.7 43.2 64.8

Manual Integrations

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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) (-)

4.99

60000

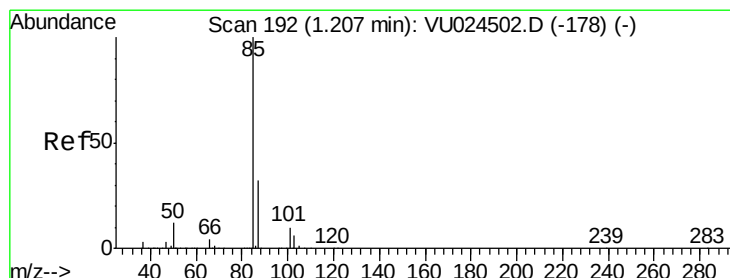
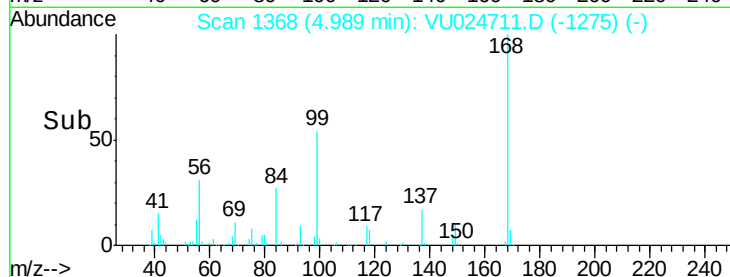
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.72 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024711.D

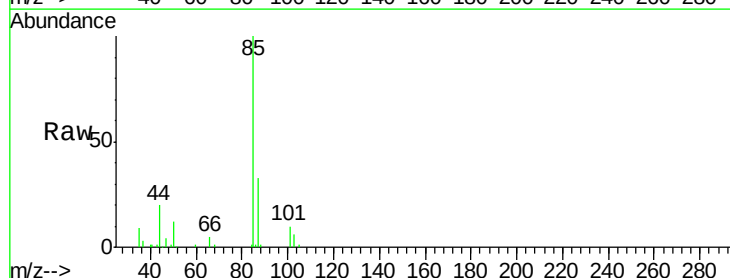
Acq: 18 Jun 2018 23:53

Tgt Ion: 85 Resp: 31911

Ion Ratio Lower Upper

85 100

87 33.1 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) (-)

1.20

30000

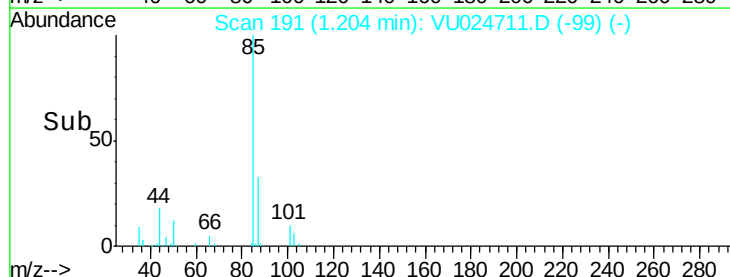
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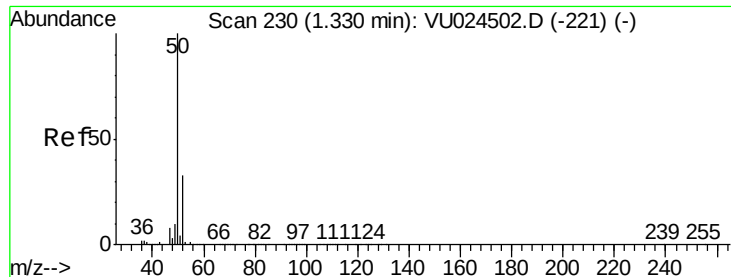
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.77 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 50 Resp: 38536

Ion Ratio Lower Upper

50 100

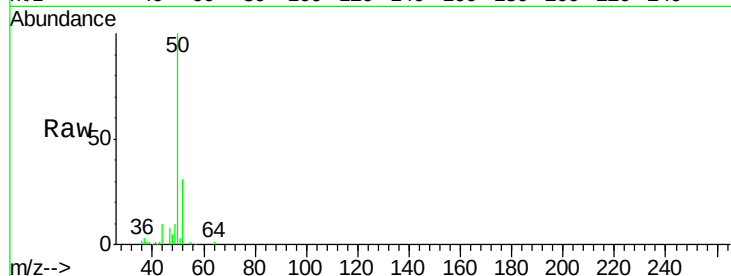
52 30.9 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

40000

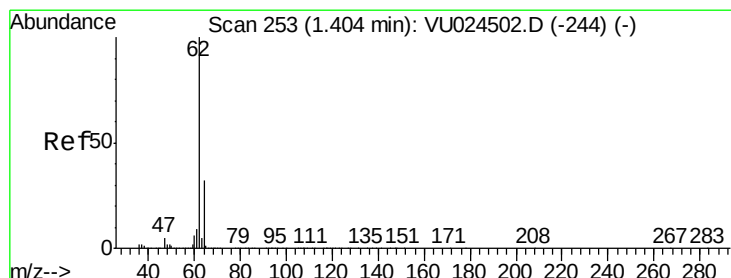
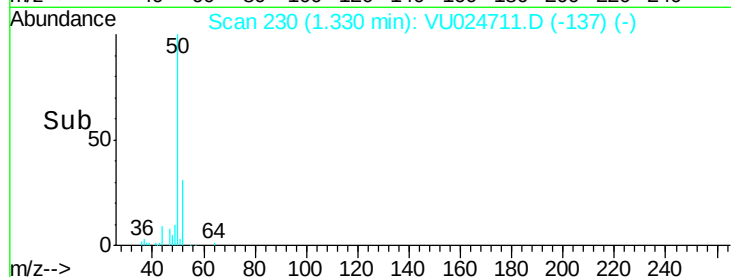
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 19.69 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024711.D

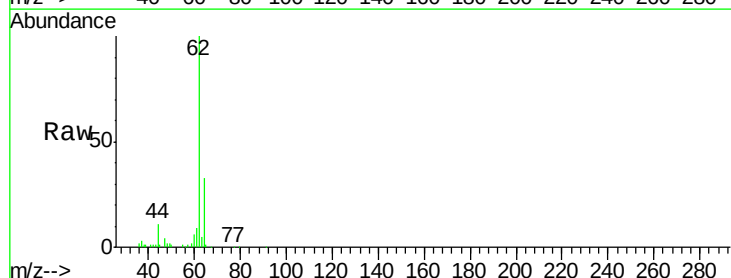
Acq: 18 Jun 2018 23:53

Tgt Ion: 62 Resp: 39590

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

40000

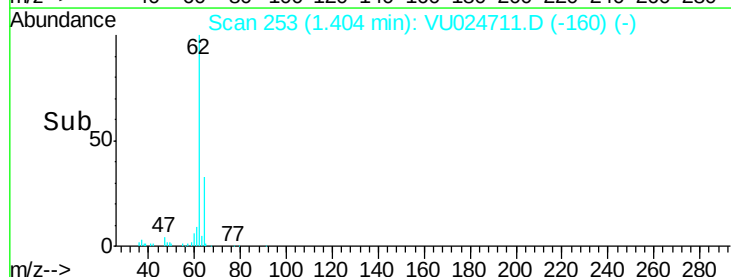
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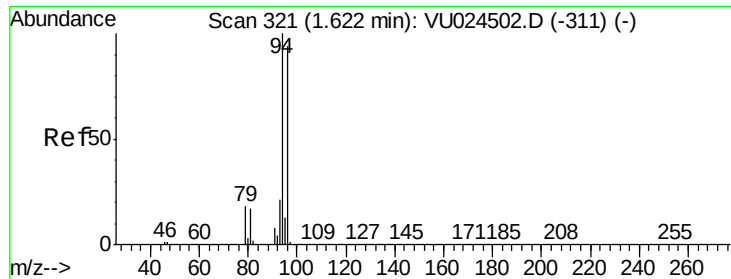
20000

10000

0

Time-->





#5

Bromomethane

Concen: 26.21 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 94 Resp: 25470

Ion Ratio Lower Upper

94 100

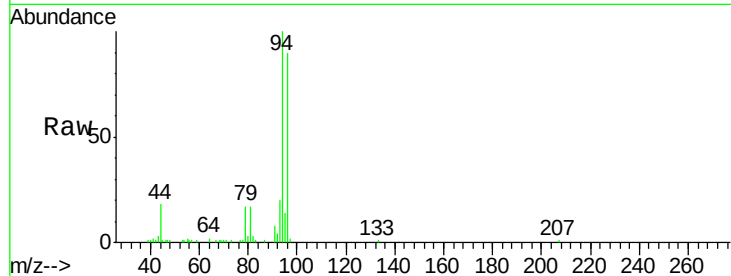
96 90.5 74.5 111.7

Manual Integrations

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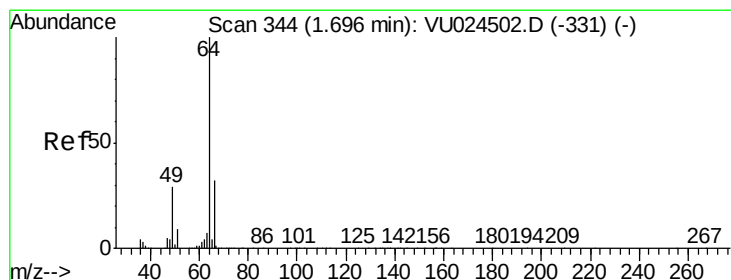
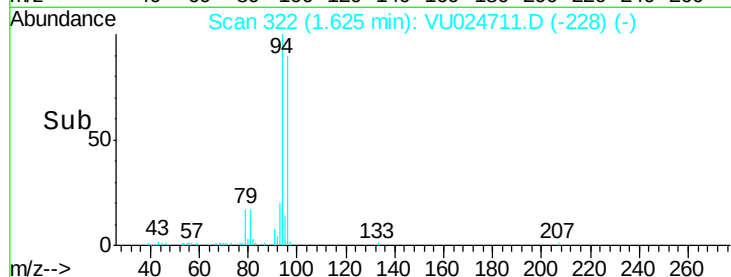
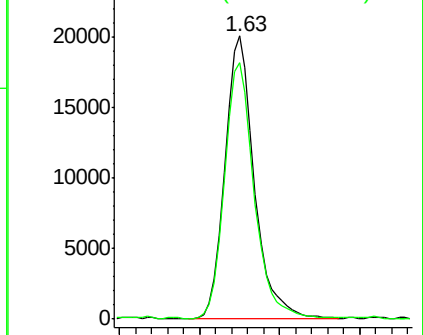
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 22.36 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024711.D

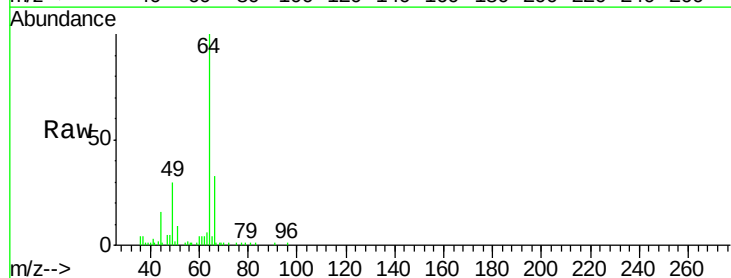
Acq: 18 Jun 2018 23:53

Tgt Ion: 64 Resp: 25770

Ion Ratio Lower Upper

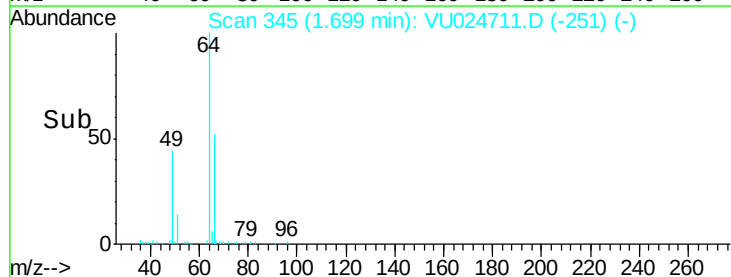
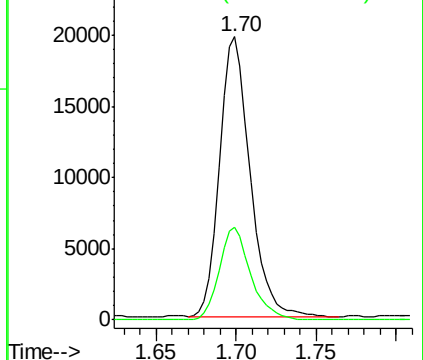
64 100

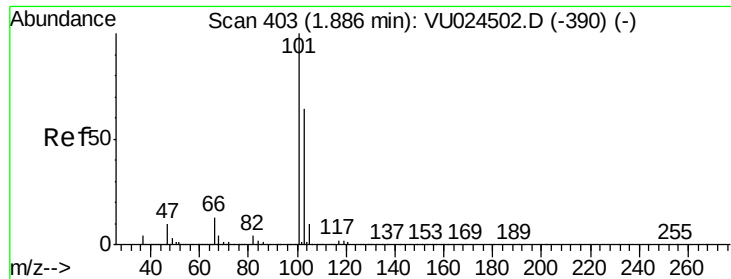
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

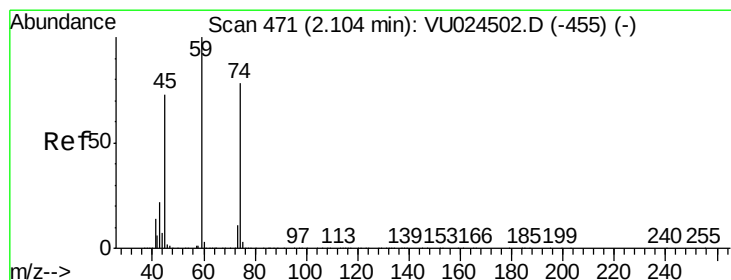
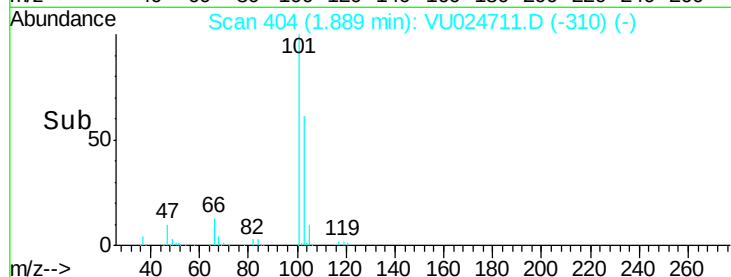
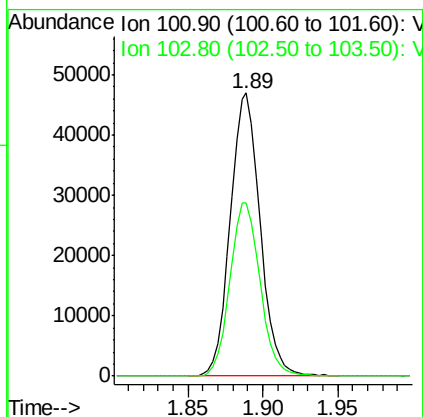
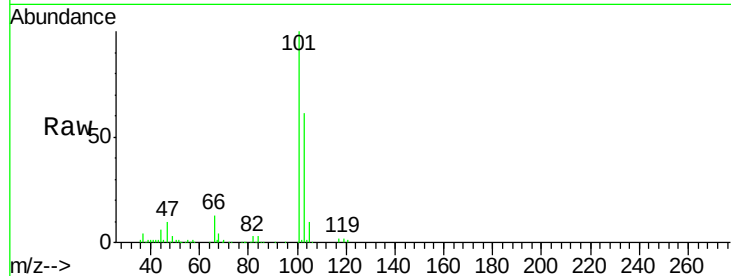
Trichlorofluoromethane
 Concen: 21.28 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
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 VU0618WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	52.3	78.5

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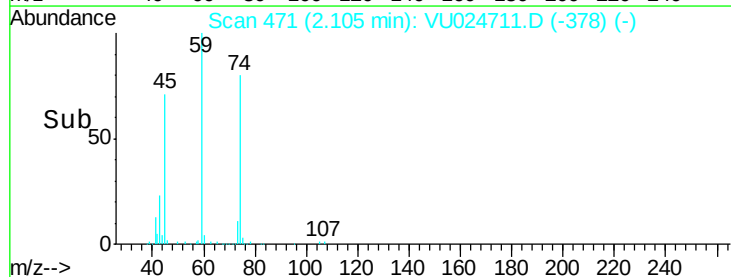
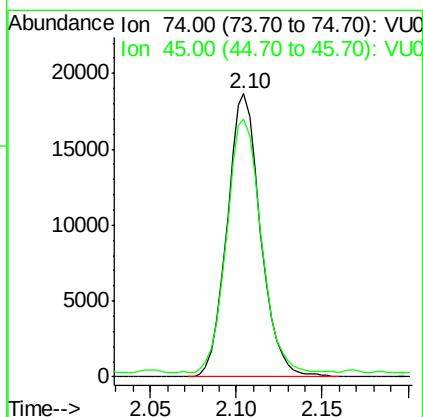
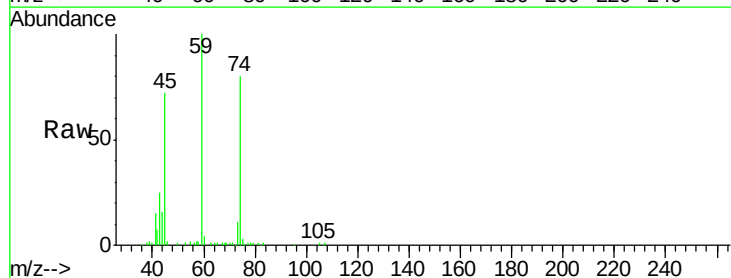
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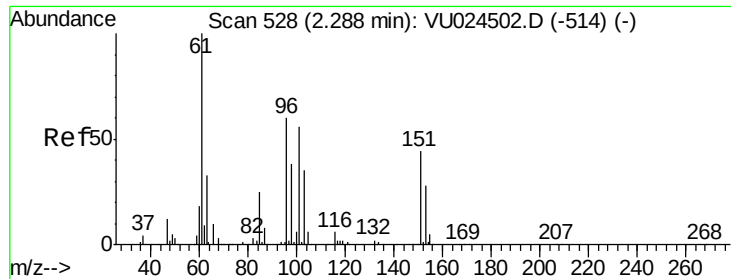


#8

Diethyl Ether
 Concen: 23.30 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.44 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

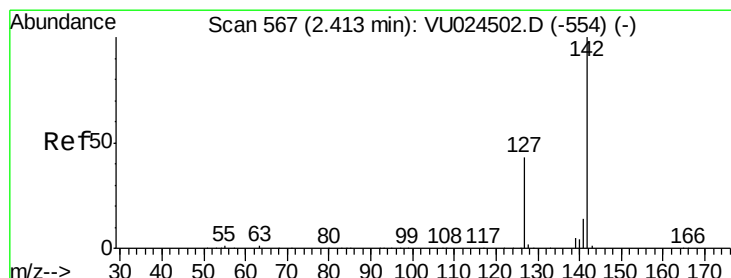
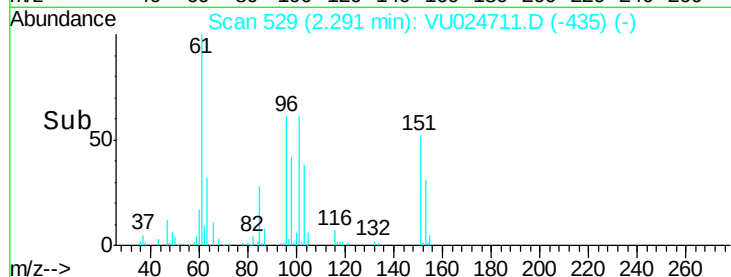
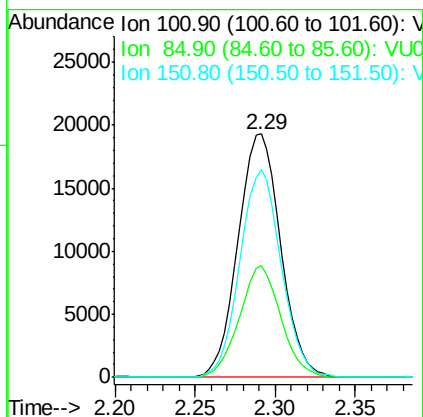
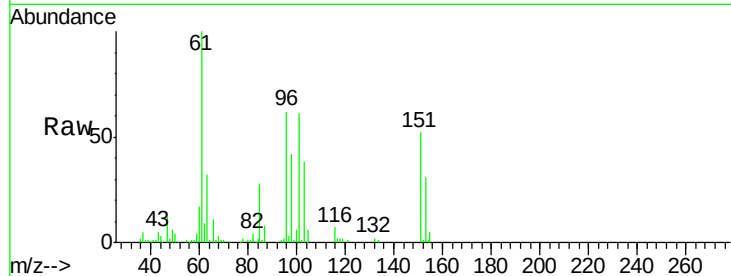
ClientSampleId :

VU0618WBS02

Tot Ion:	101	Resp:	35092
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	82.9	62.3	93.5

Manual Integrations
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6/19/2018 1:55:07 PM



#10

Methyl Iodide

Concen: 23.02 ug/l

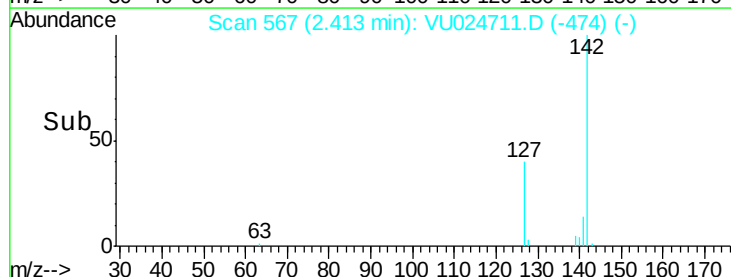
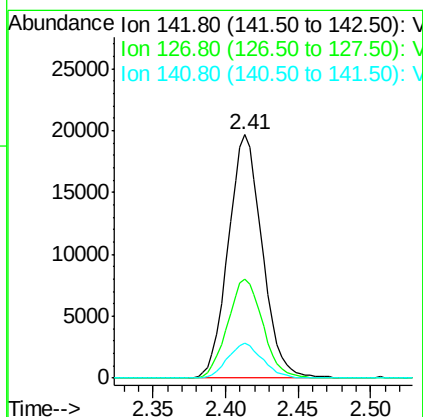
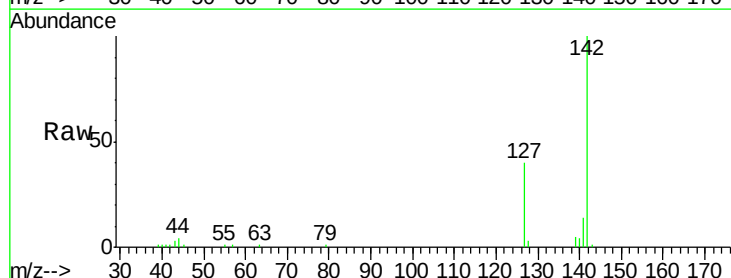
RT: 2.41 min Scan# 567

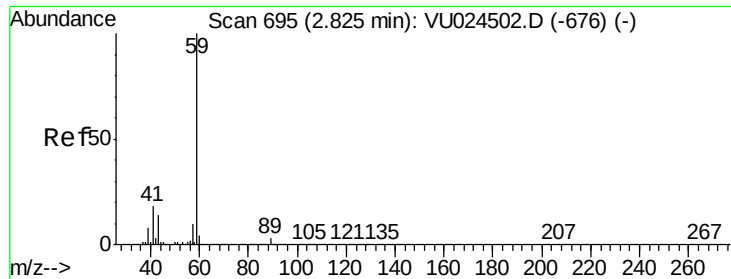
Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	142	Resp:	31934
Ion Ratio	Lower	Upper	
142	100		
127	41.9	35.6	53.4
141	14.6	11.7	17.5





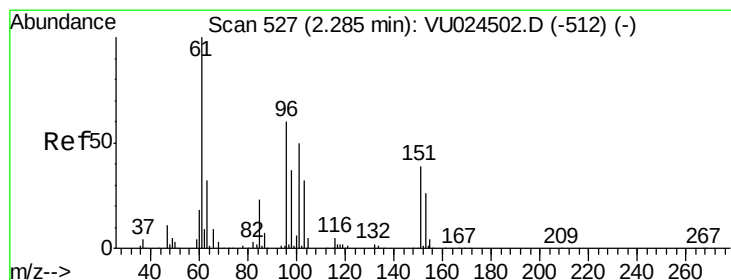
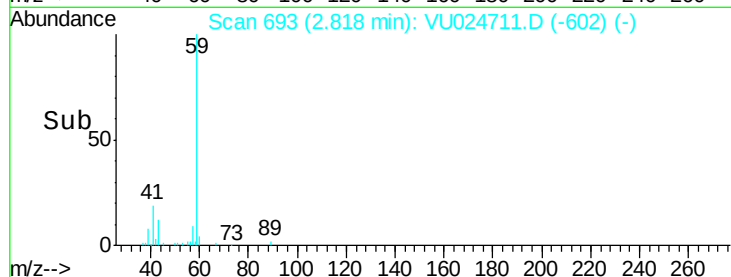
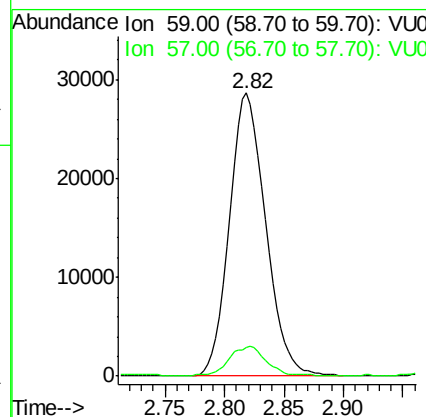
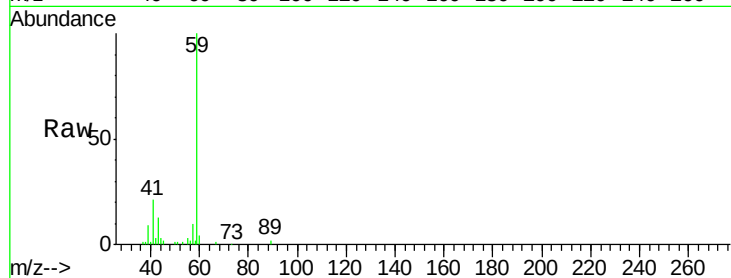
#11
Tert butyl alcohol
Concen: 99.98 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7

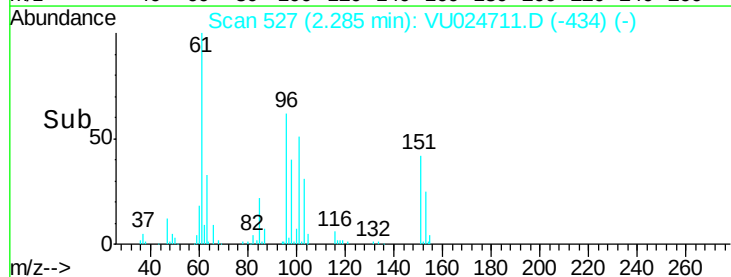
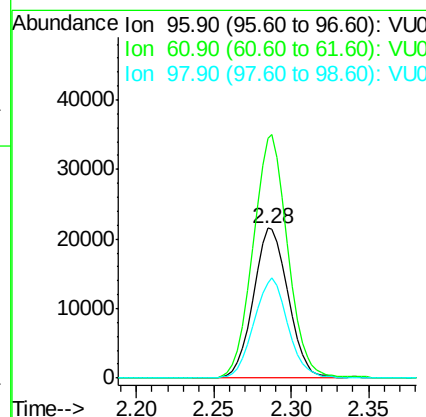
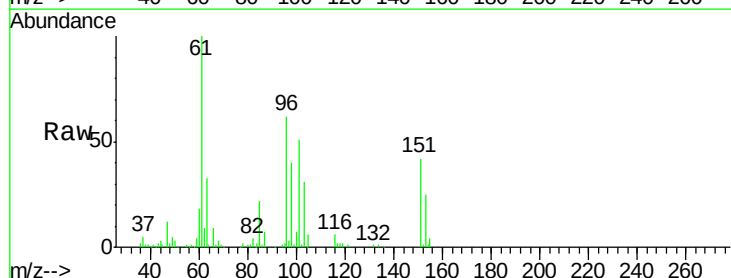
Manual Integrations
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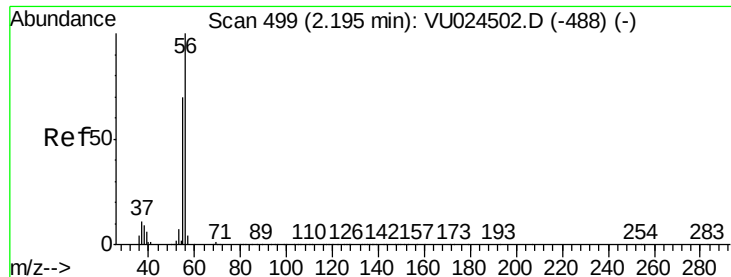
MMDadoda
6/19/2018 1:55:07 PM



#12
1,1-Dichloroethene
Concen: 19.58 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	141.7	212.5
98	64.0	51.6	77.4





#13

Acrolein

Concen: 34.83 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 56 Resp: 11071

Ion Ratio Lower Upper

56 100

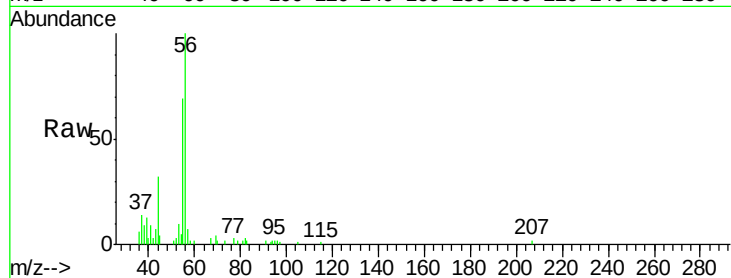
55 74.0 58.4 87.6

Manual Integrations

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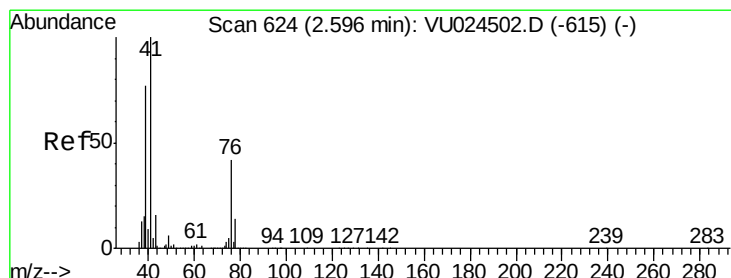
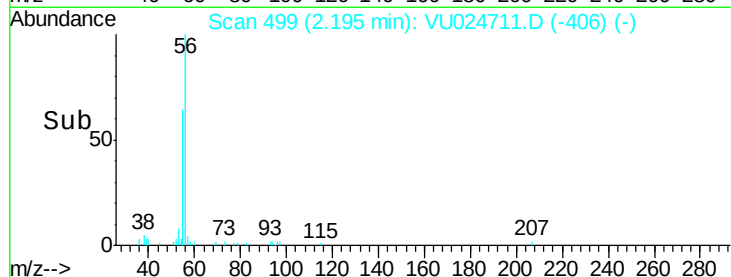
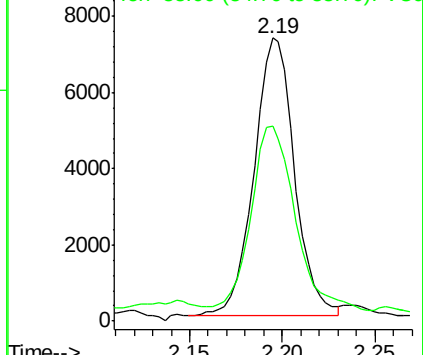
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 16.52 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

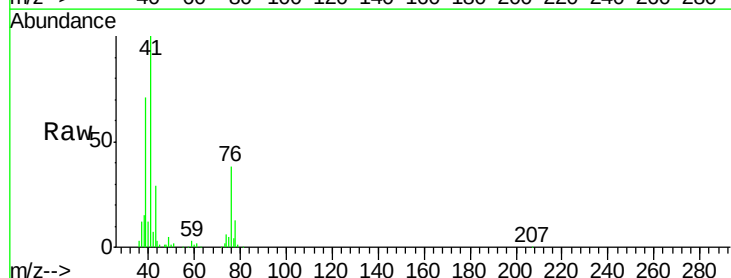
Tgt Ion: 41 Resp: 53258

Ion Ratio Lower Upper

41 100

39 68.2 61.6 92.4

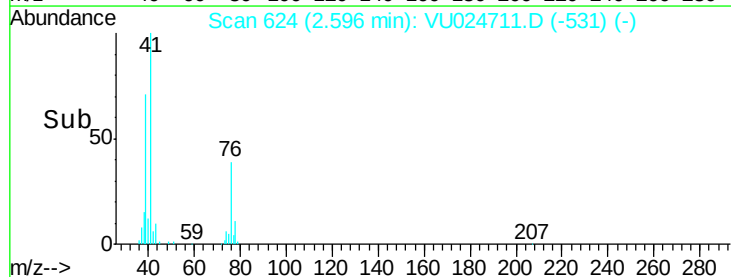
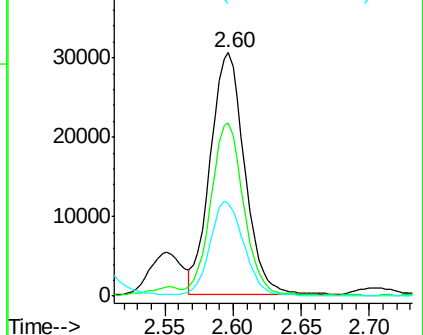
76 38.9 29.7 44.5

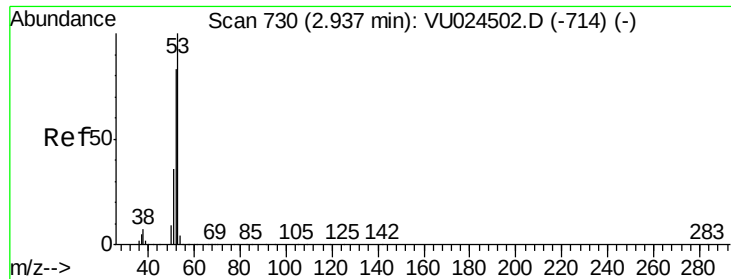


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 108.59 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

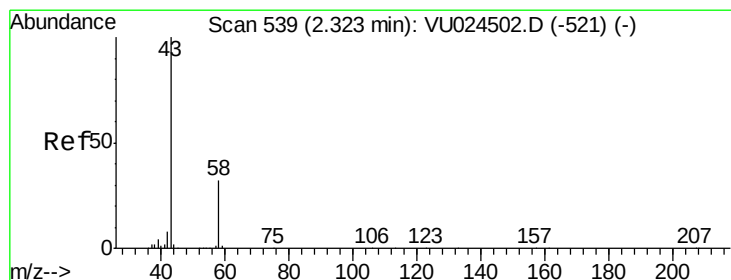
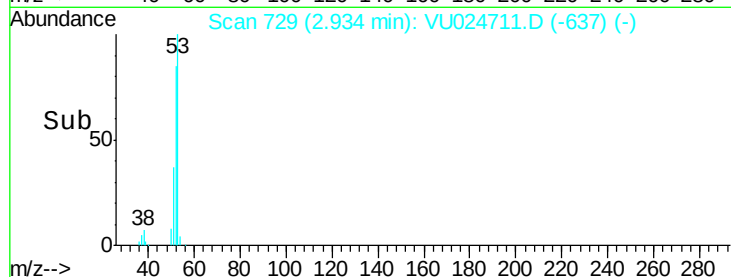
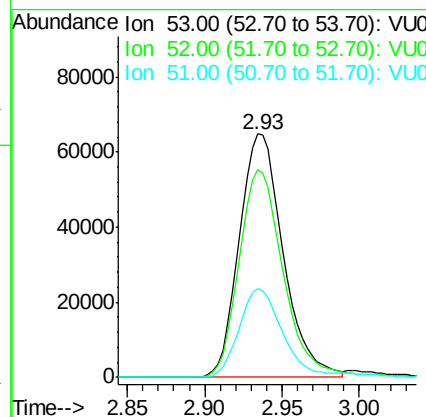
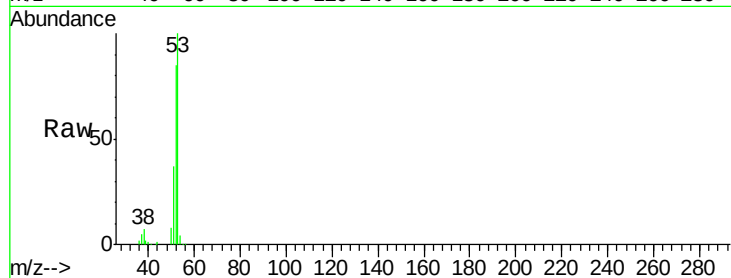
ClientSampleId :

VU0618WBS02

Tot Ion:	53	Resp:	127875
Ion	Ratio	Lower	Upper
53	100		
52	86.0	67.1	100.7
51	37.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 86.68 ug/l

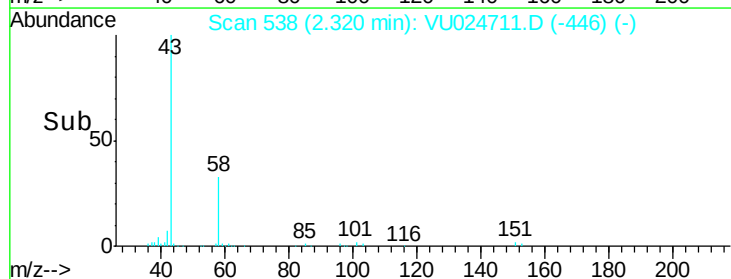
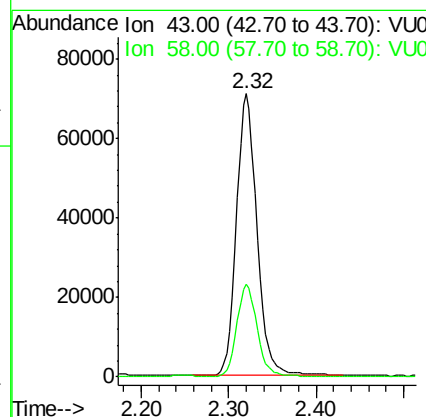
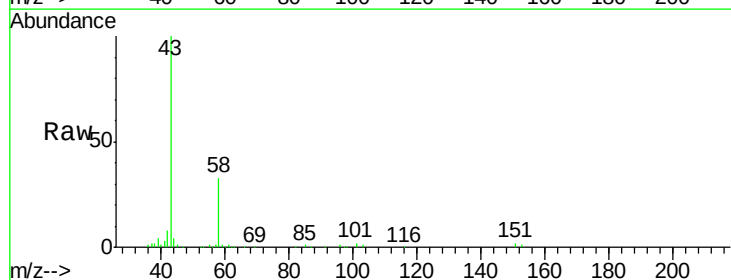
RT: 2.32 min Scan# 538

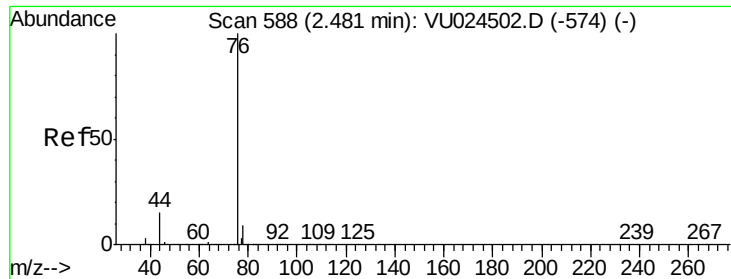
Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	43	Resp:	115909
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.4	36.6





#17

Carbon Disulfide

Concen: 17.15 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 76 Resp: 95318

Ion Ratio Lower Upper

76 100

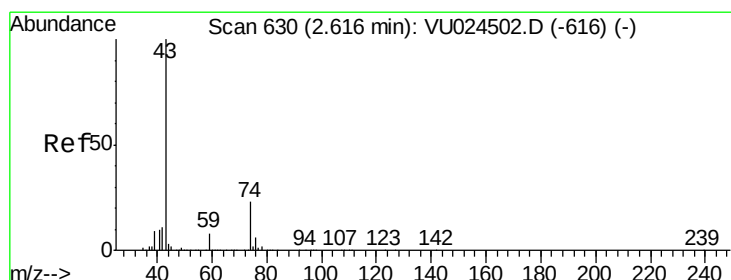
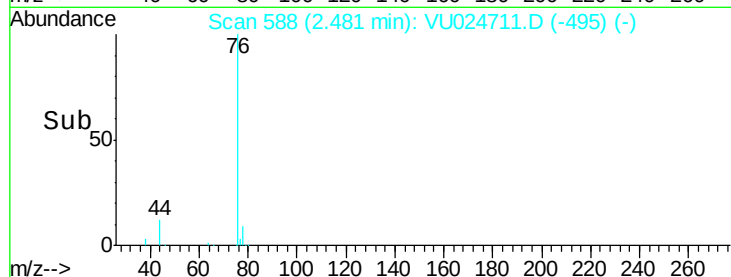
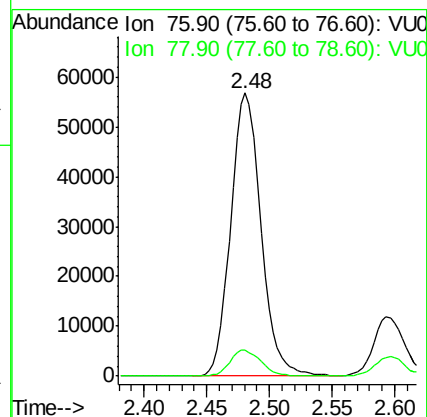
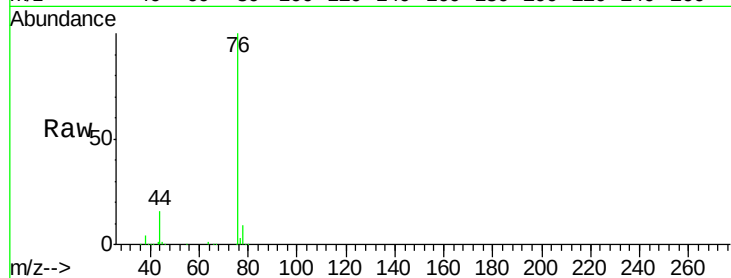
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 25.21 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024711.D

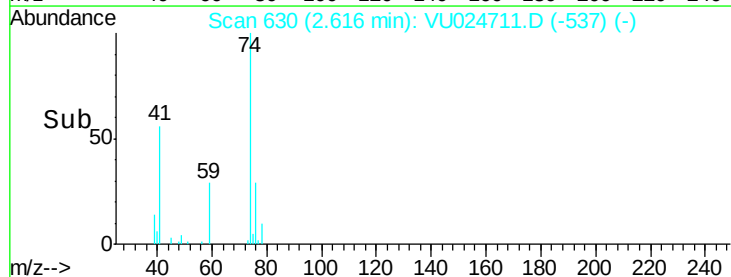
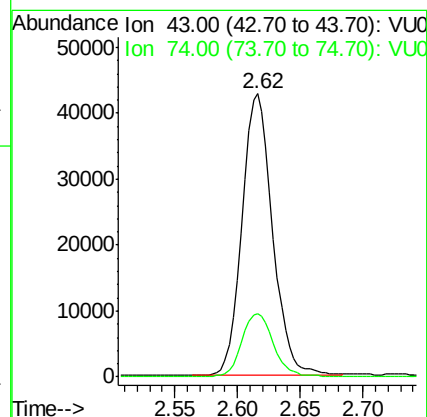
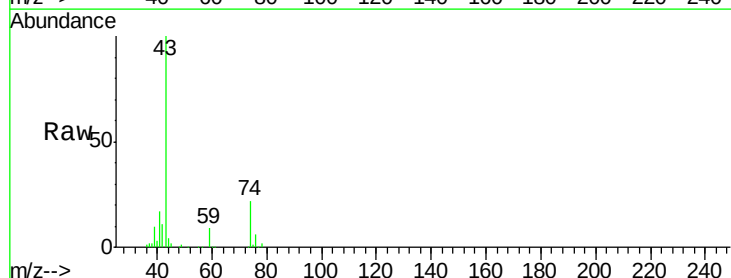
Acq: 18 Jun 2018 23:53

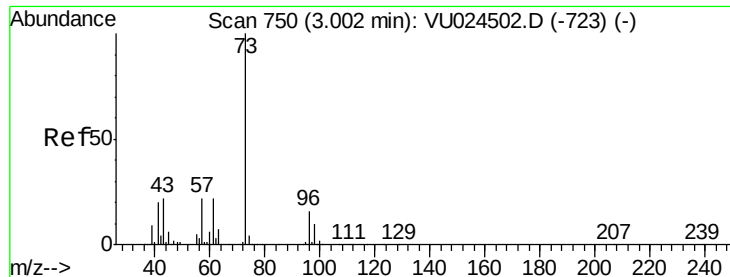
Tgt Ion: 43 Resp: 72276

Ion Ratio Lower Upper

43 100

74 23.5 18.0 27.0





#19

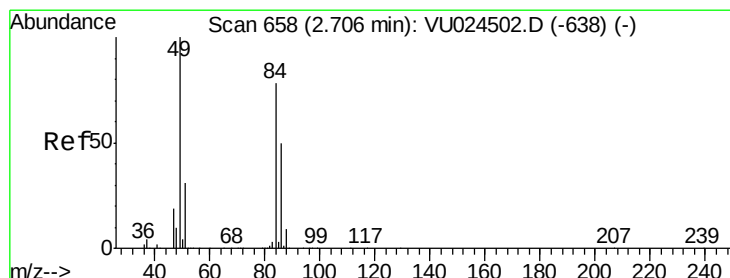
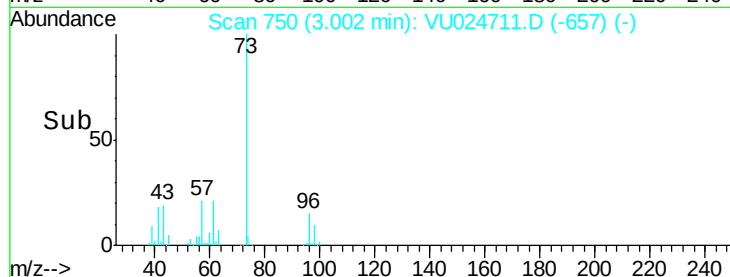
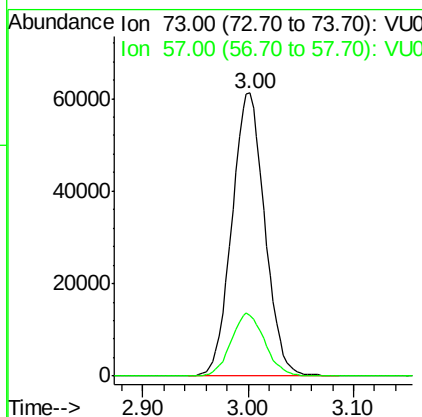
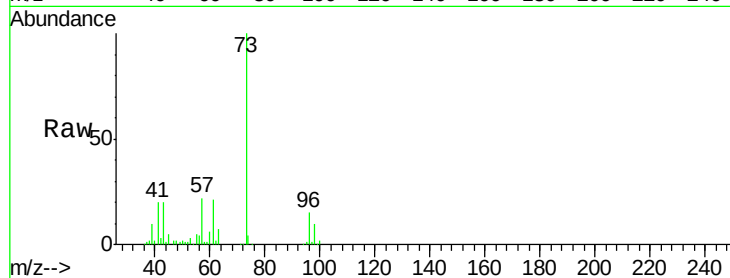
Methyl tert-butyl Ether
 Concen: 20.27 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.8	28.2

Manual Integrations
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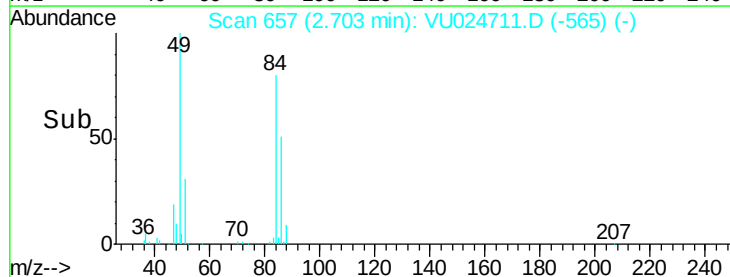
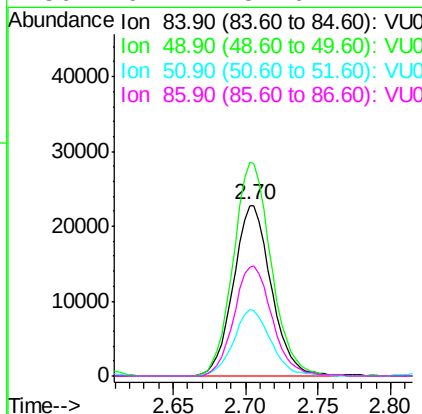
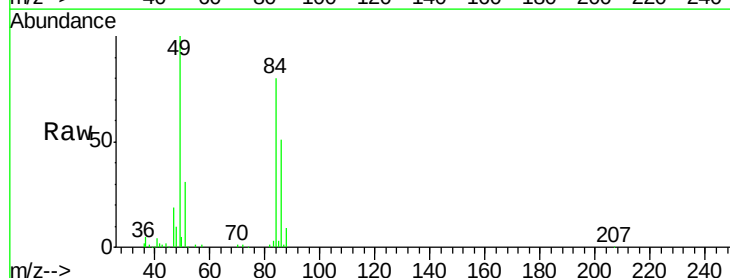
MMDadoda
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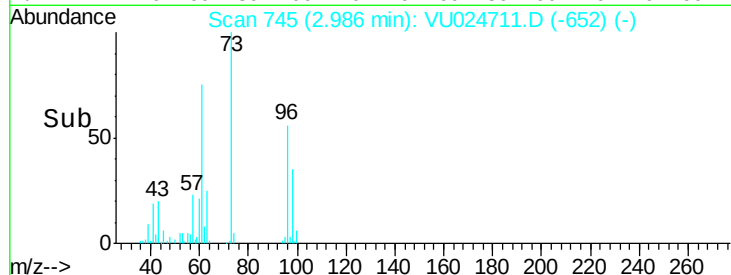
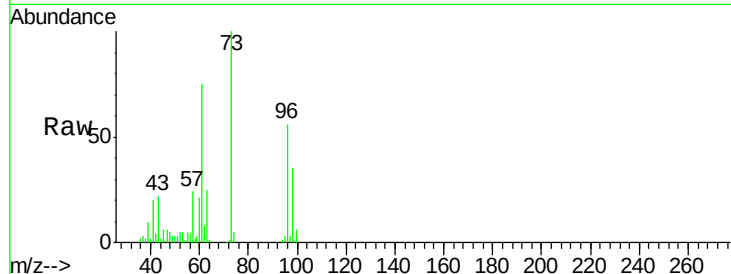
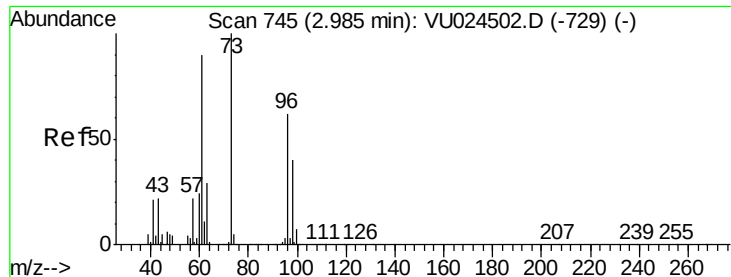


#20

Methylene Chloride
 Concen: 19.64 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	103.8	155.8
51	39.2	32.0	48.0
86	64.2	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.50 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024711.D

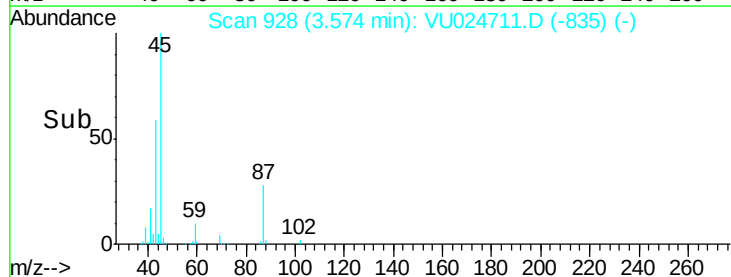
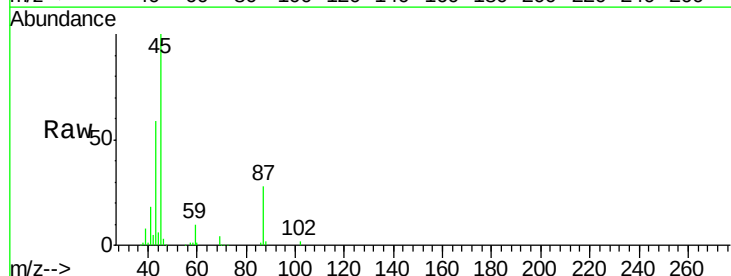
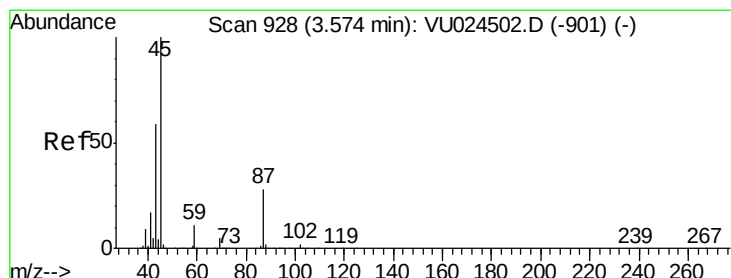
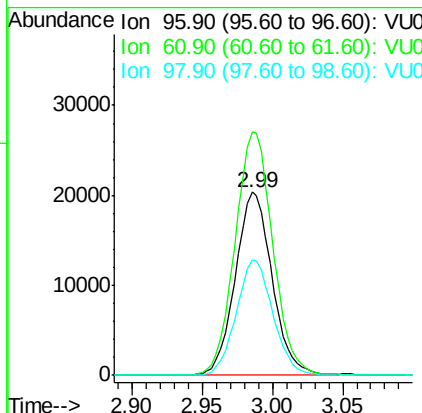
Acq: 18 Jun 2018 23:53

Tot Ion:	96	Resp:	37289
Ion	Ratio	Lower	Upper
96	100		
61	132.9	119.4	179.0
98	62.8	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

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#22

Diisopropyl ether

Concen: 20.75 ug/l

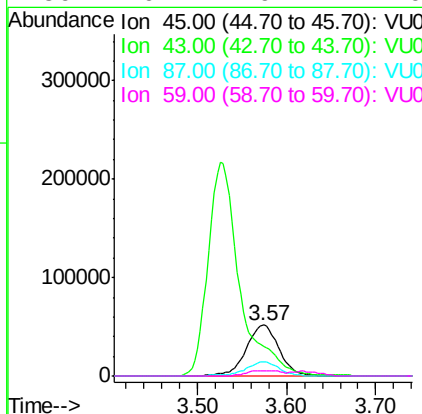
RT: 3.57 min Scan# 928

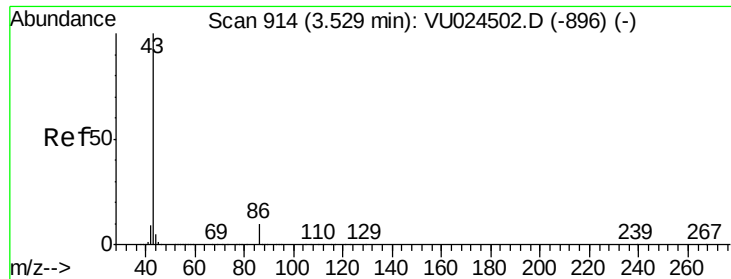
Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	45	Resp:	132554
Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.8	68.6
87	28.0	20.6	31.0
59	10.1	9.4	14.0





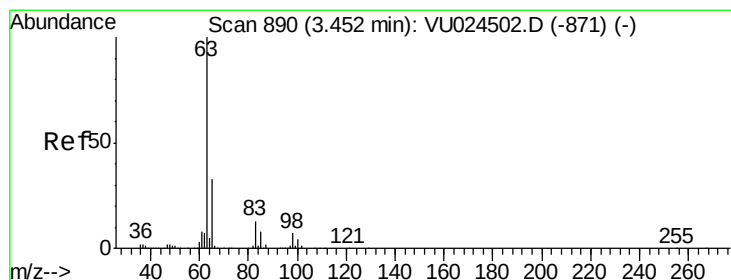
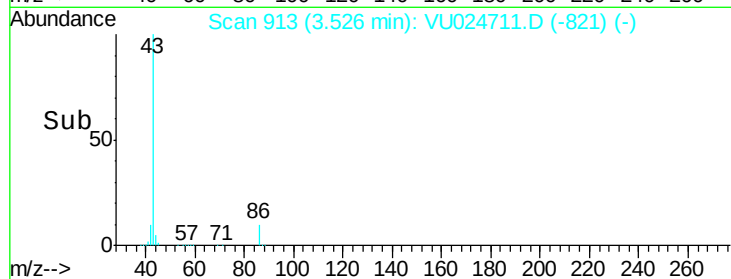
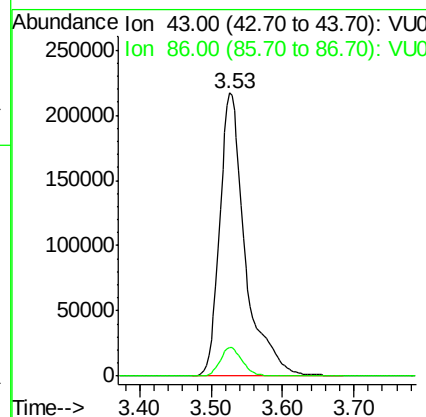
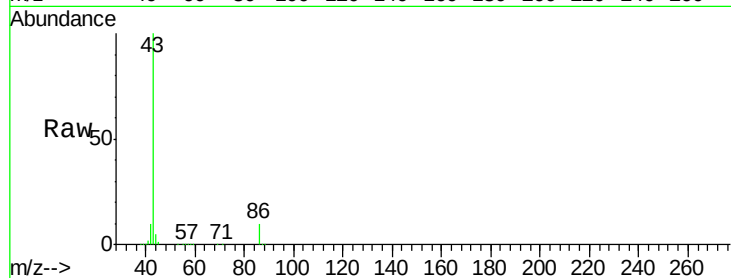
#23
 Vinyl Acetate
 Concen: 93.83 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	43	Resp	537008
Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

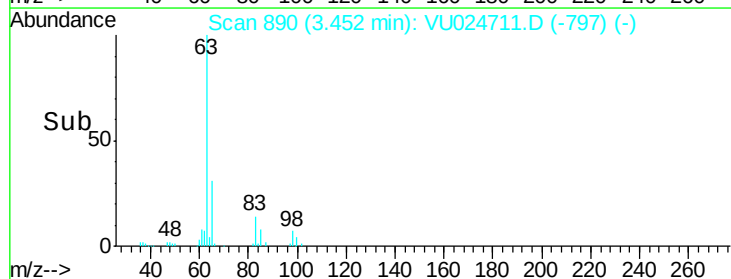
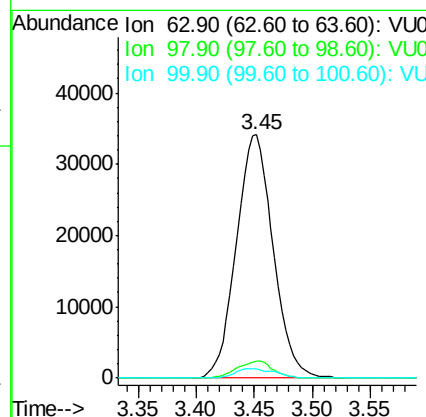
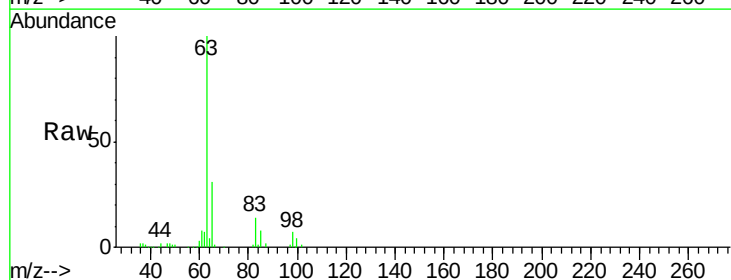
Manual Integrations
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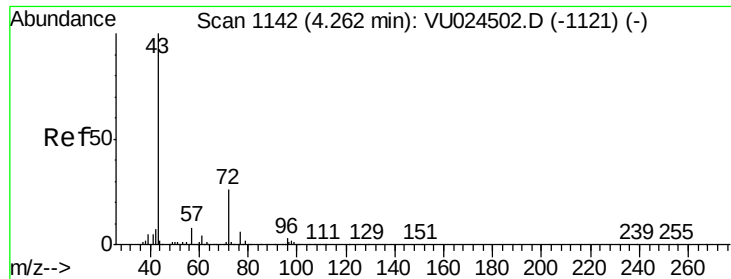
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.43 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	63	Resp	75092
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.4
100	3.7	1.8	5.5





#25

2-Butanone

Concen: 104.24 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 43 Resp: 187227

Ion Ratio Lower Upper

43 100

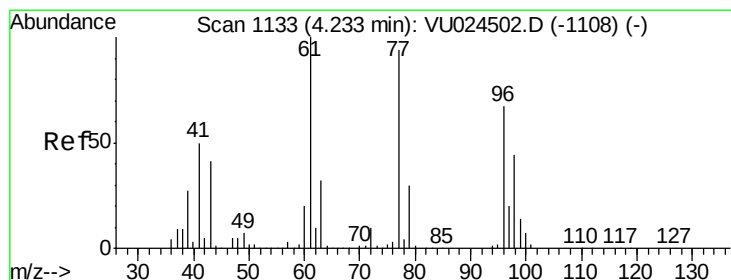
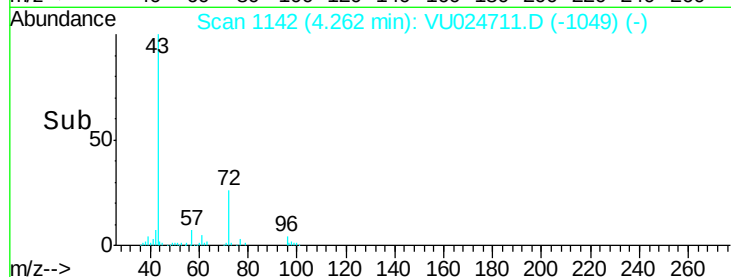
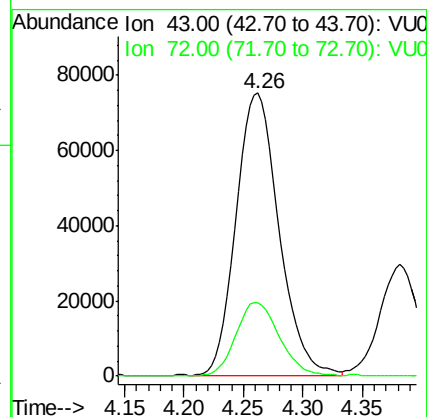
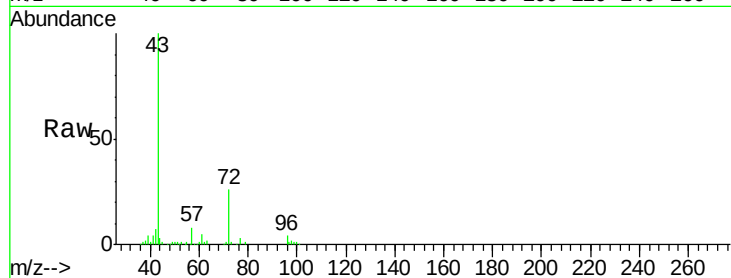
72 25.9 19.6 29.4

Manual Integrations

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6/19/2018 1:55:07 PM



#26

2,2-Dichloropropane

Concen: 7.03 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024711.D

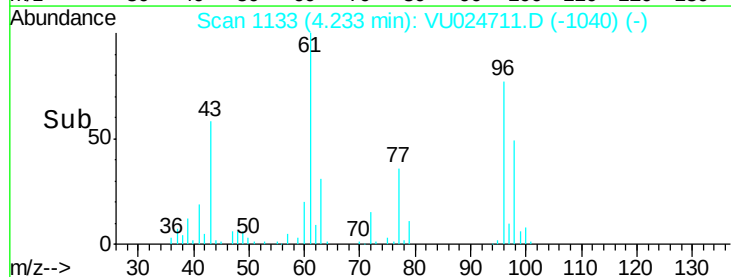
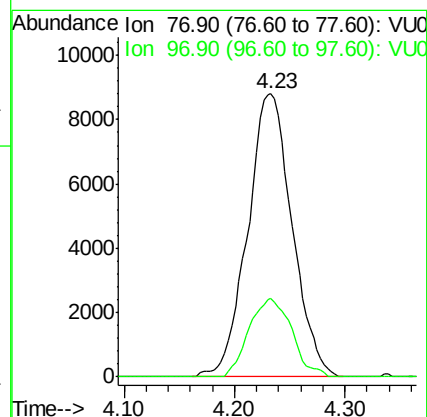
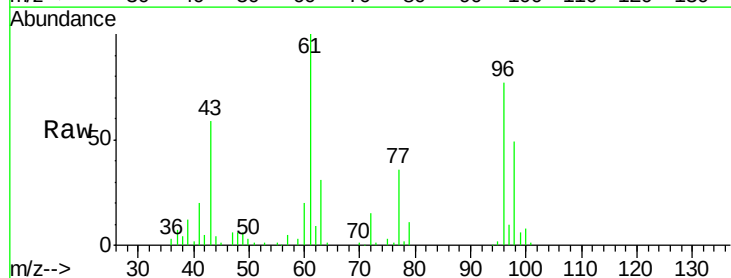
Acq: 18 Jun 2018 23:53

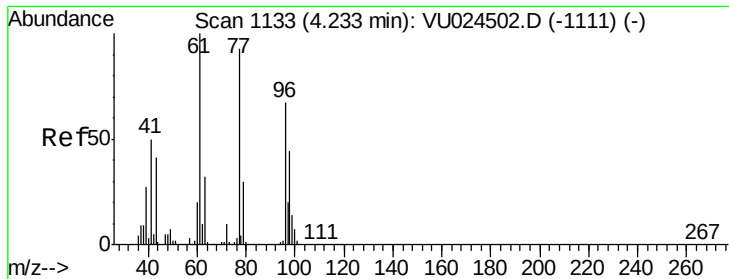
Tgt Ion: 77 Resp: 24539

Ion Ratio Lower Upper

77 100

97 26.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.34 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

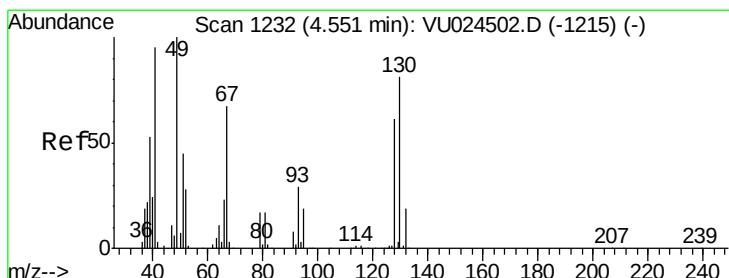
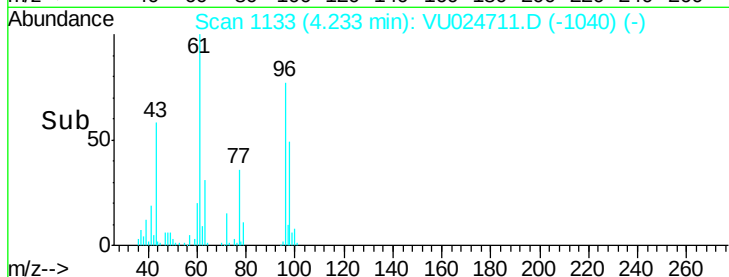
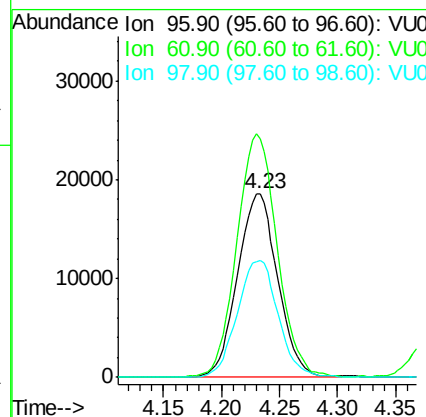
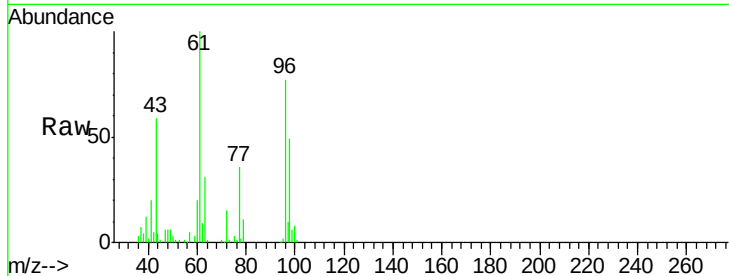
ClientSampleId :

VU0618WBS02

Tot Ion:	96	Resp:	44704
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	306.6
98	64.8	0.0	128.8

Manual Integrations
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6/19/2018 1:55:07 PM



#28

Bromochloromethane

Concen: 20.99 ug/l

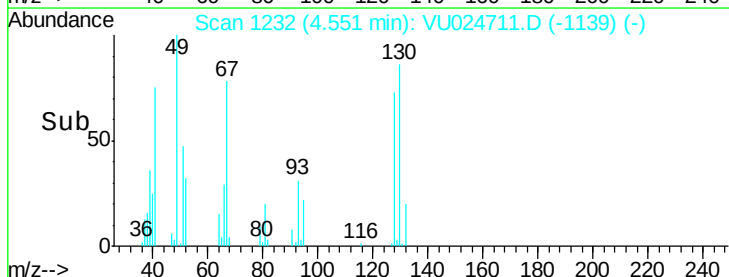
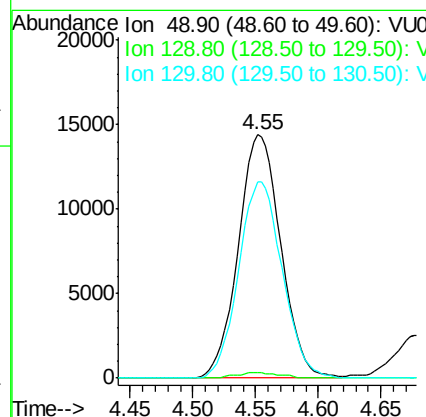
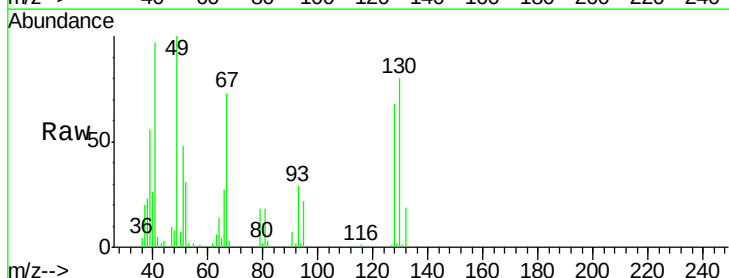
RT: 4.55 min Scan# 1232

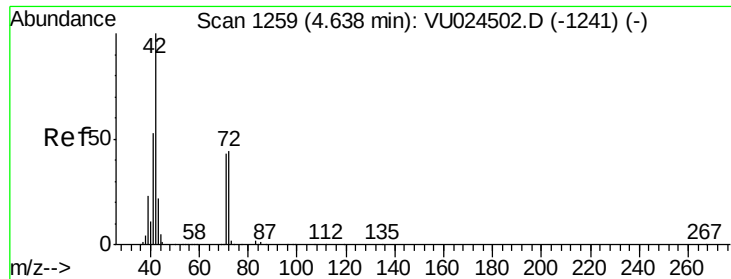
Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	49	Resp:	33977
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	82.8	57.8	86.6





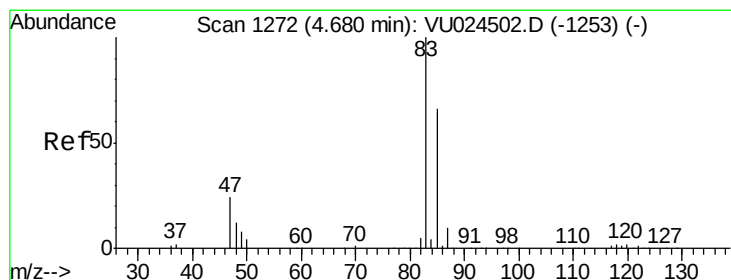
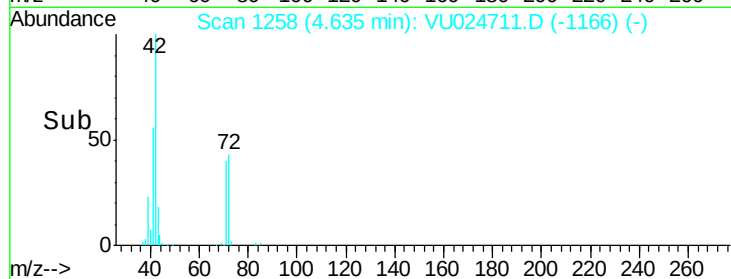
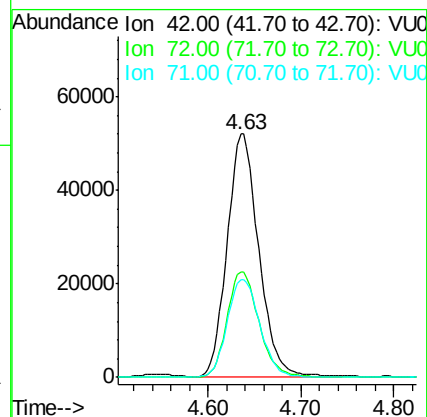
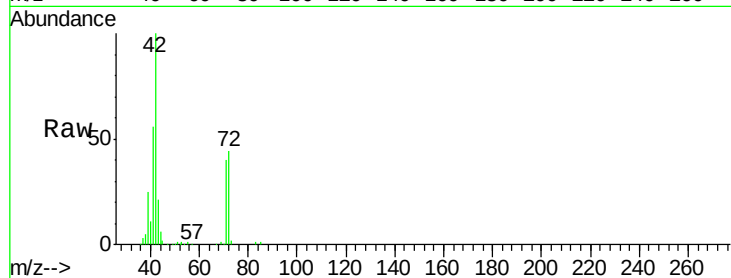
#29
Tetrahydrofuran
Concen: 111.23 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.5	51.7
71	41.3	32.2	48.4

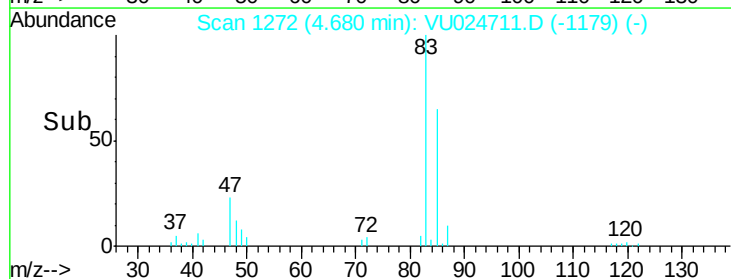
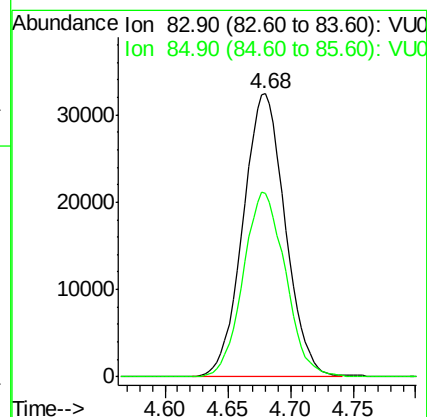
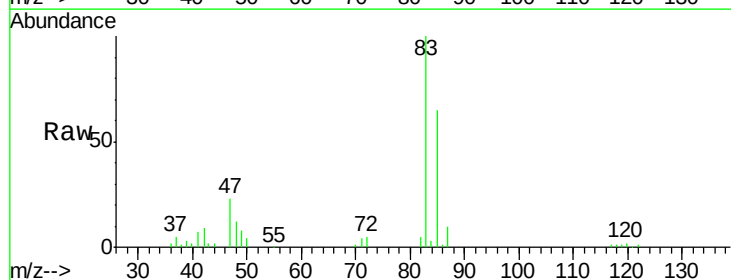
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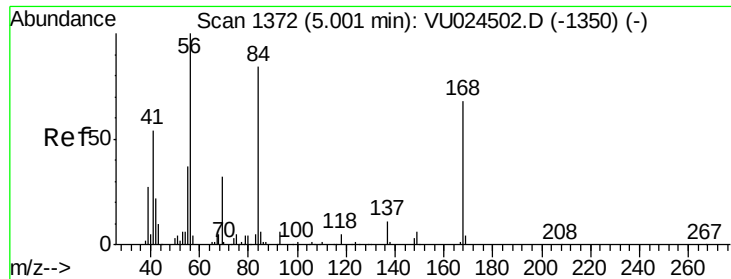
MMDadoda
6/19/2018 1:55:07 PM



#30
Chloroform
Concen: 20.38 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6





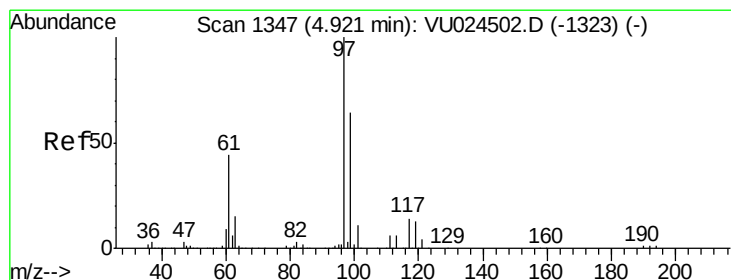
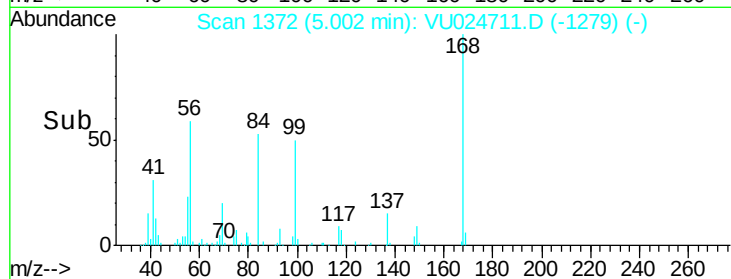
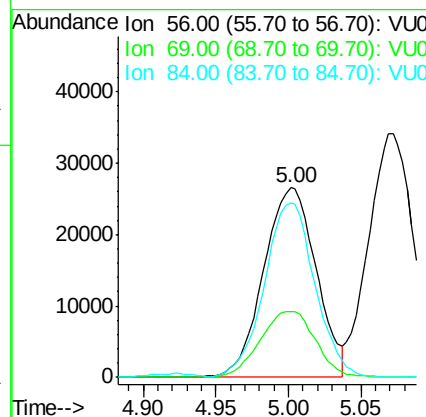
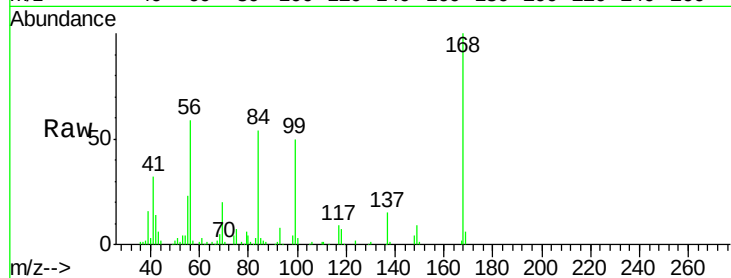
#31
Cyclohexane
Concen: 19.30 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	24.8	37.2
84	91.0	65.2	97.8

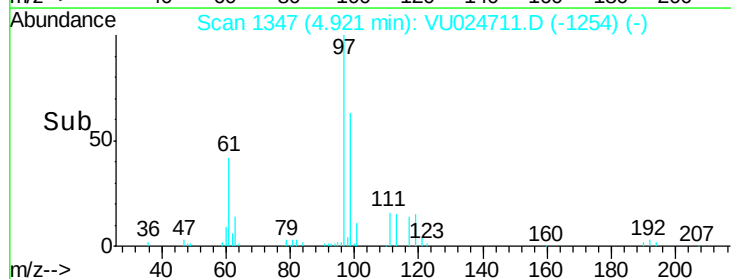
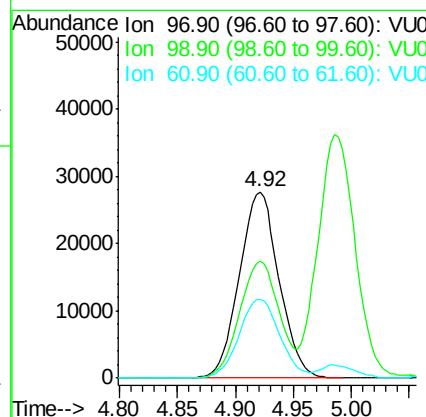
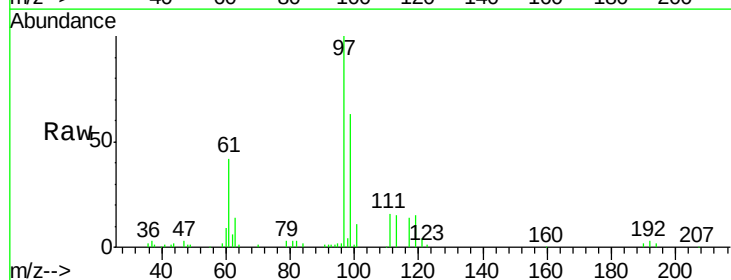
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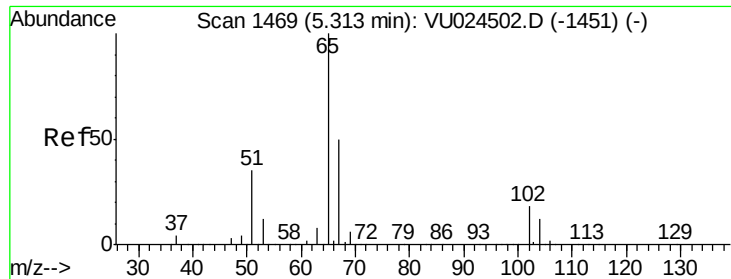
MMDadoda
6/19/2018 1:55:07 PM



#32
1,1,1-Trichloroethane
Concen: 19.14 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	43.3	39.4	59.0





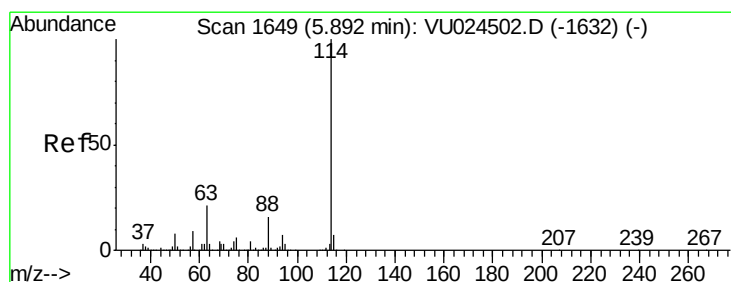
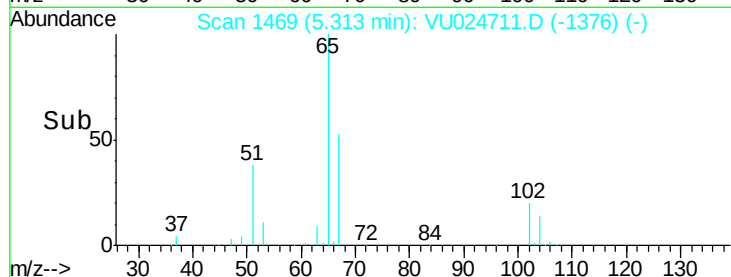
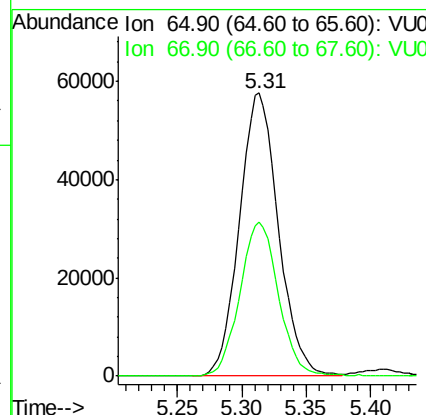
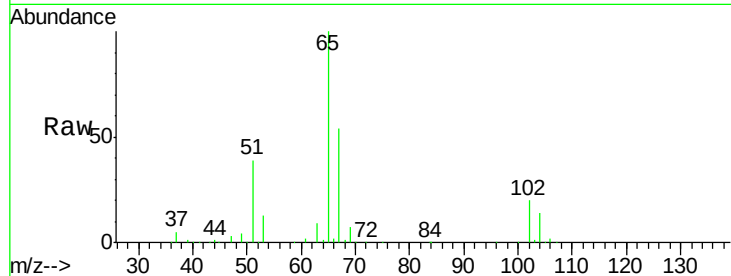
#33
 1,2-Dichloroethane-d4
 Concen: 48.70 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121200		
67	53.8	0.0	107.0	

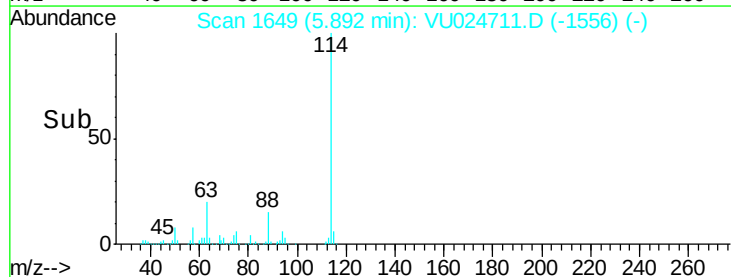
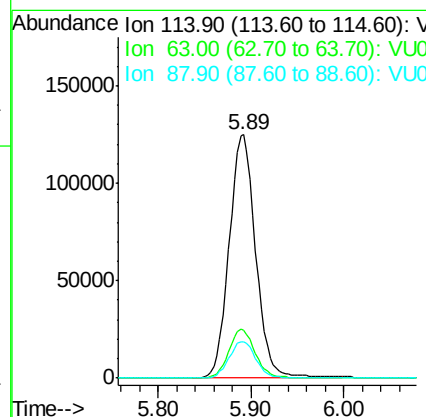
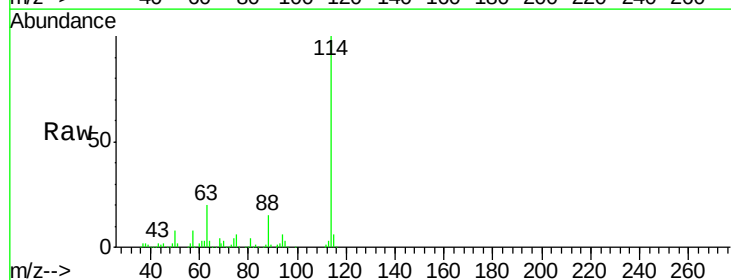
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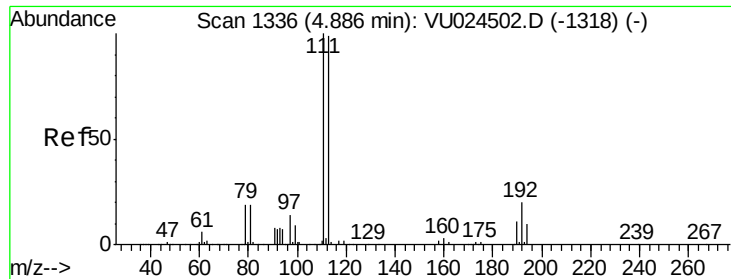
MMDadoda
 6/19/2018 1:55:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	248244		
63	19.7	0.0	45.4	
88	15.1	0.0	31.0	





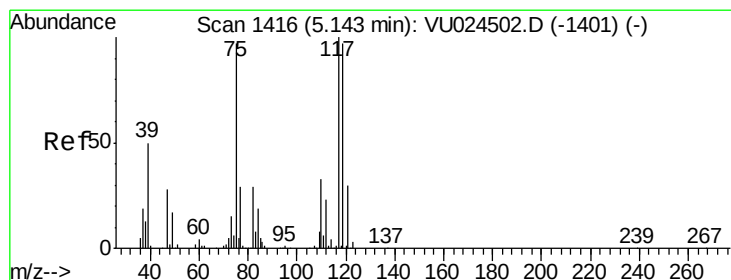
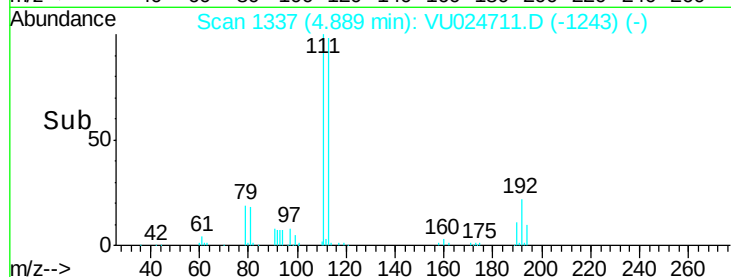
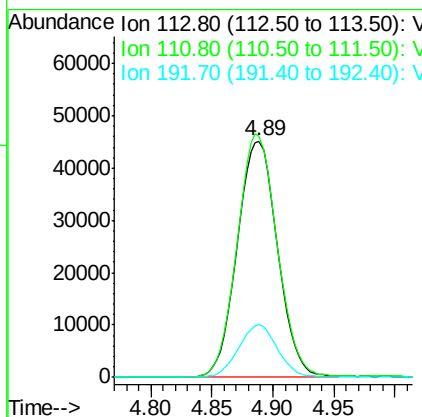
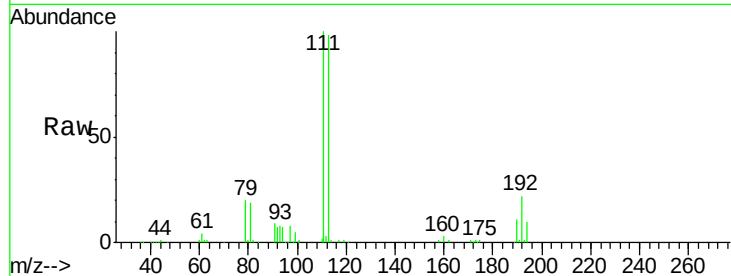
#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103133		
111	102.6	82.2	123.4	
192	21.5	16.2	24.4	

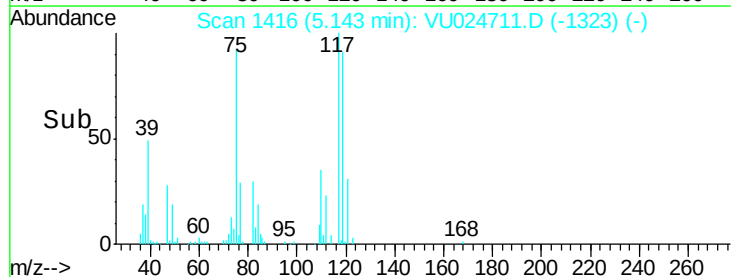
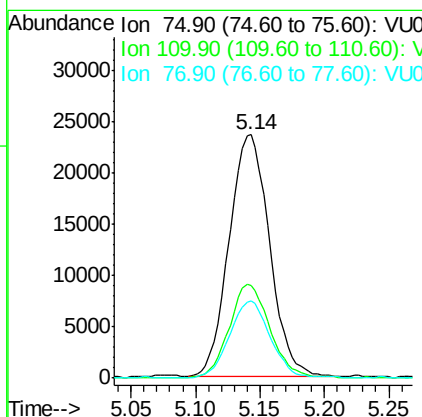
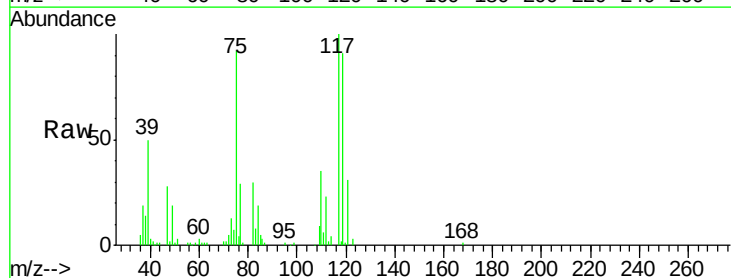
Manual Integrations
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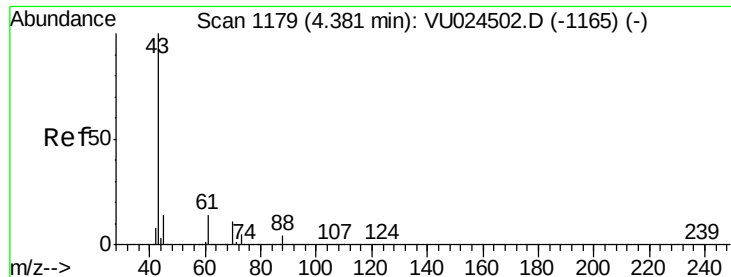
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 6/19/2018 1:55:07 PM



#36
 1,1-Dichloropropene
 Concen: 17.71 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51653		
110	39.0	17.0	50.9	
77	32.0	24.2	36.4	





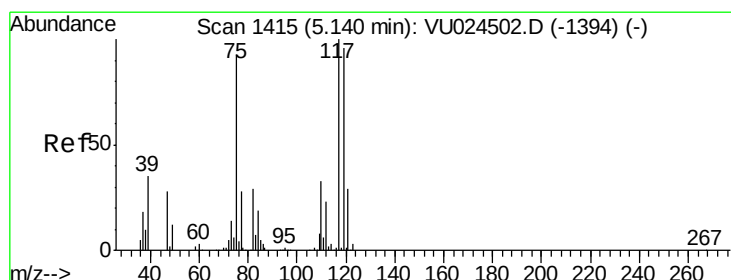
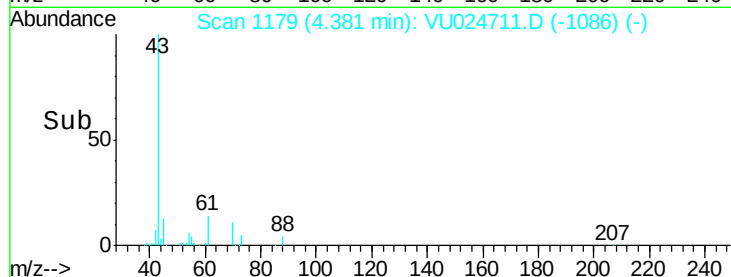
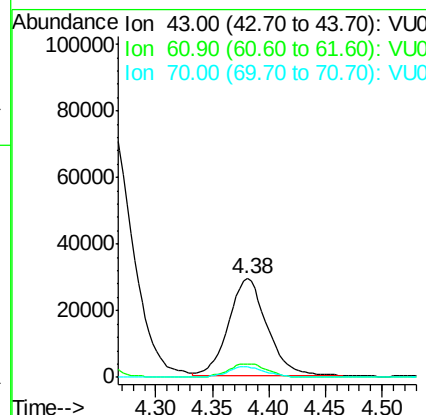
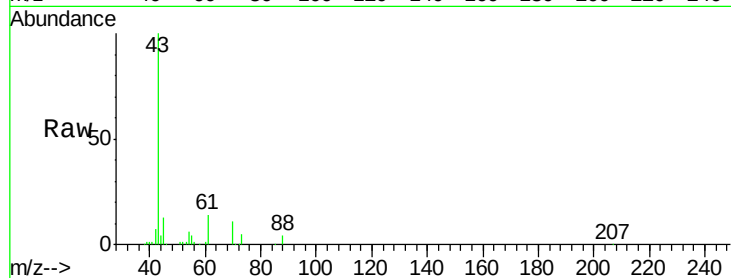
#37
Ethyl Acetate
Concen: 22.02 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	10.8	7.4	11.2

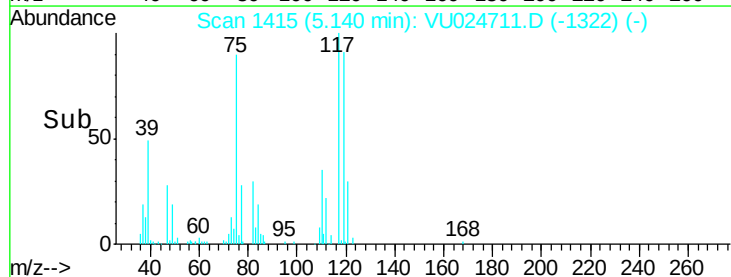
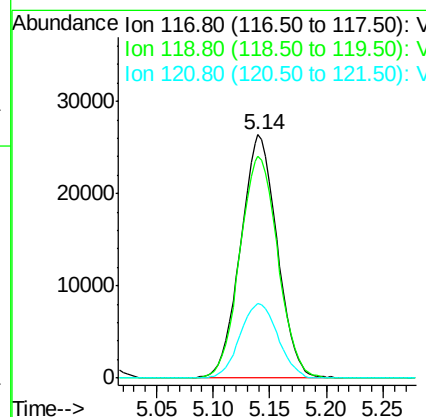
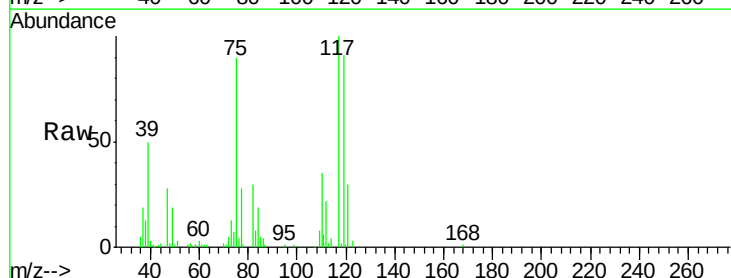
Manual Integrations
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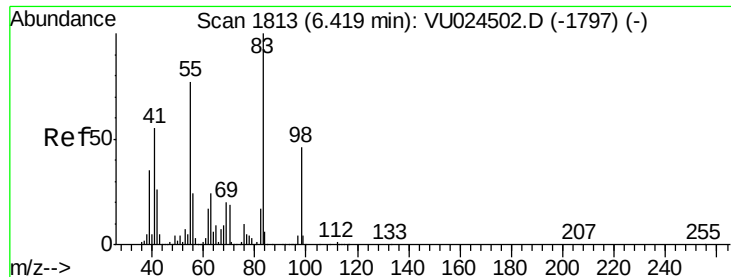
MMDadoda
6/19/2018 1:55:07 PM



#38
Carbon Tetrachloride
Concen: 18.51 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.1	114.1
121	30.4	23.7	35.5





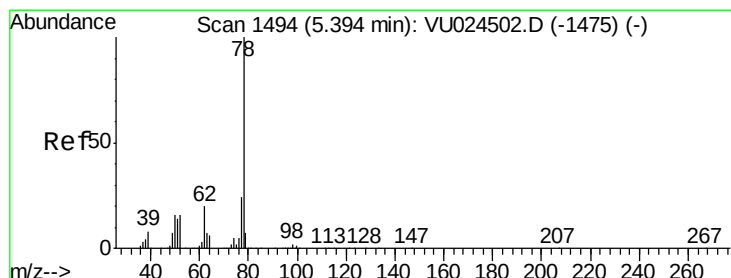
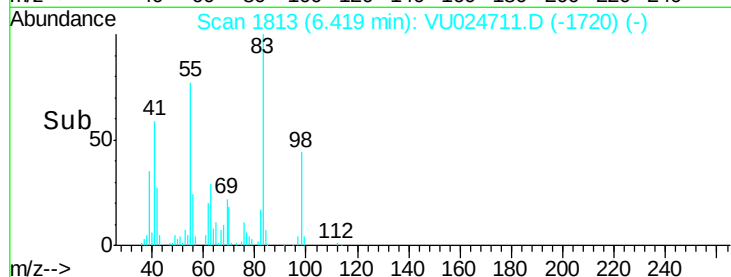
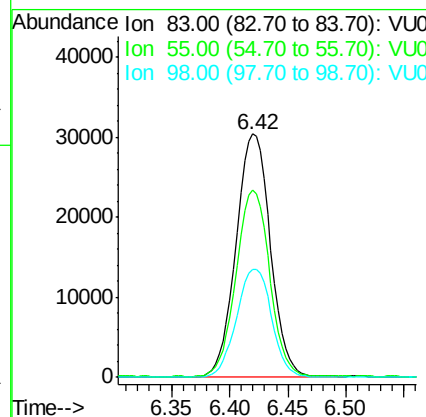
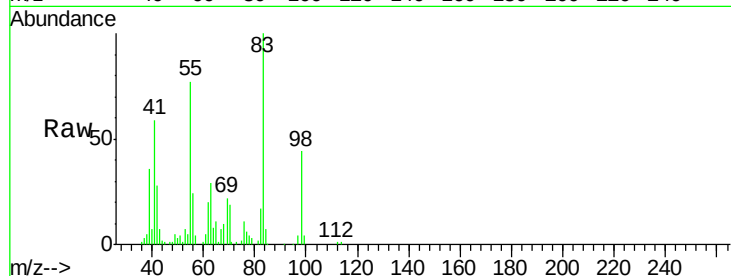
#39
Methylvlcyclohexane
Concen: 17.24 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	65.8	98.6
98	44.2	36.7	55.1

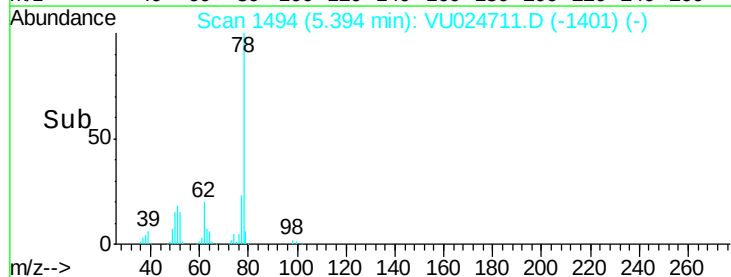
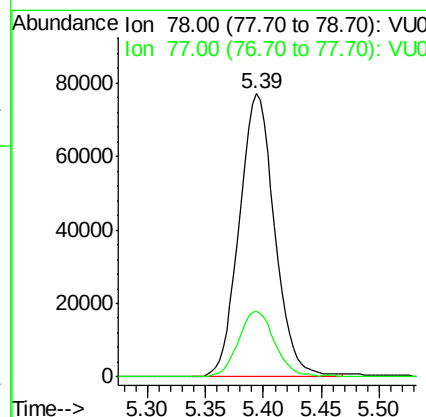
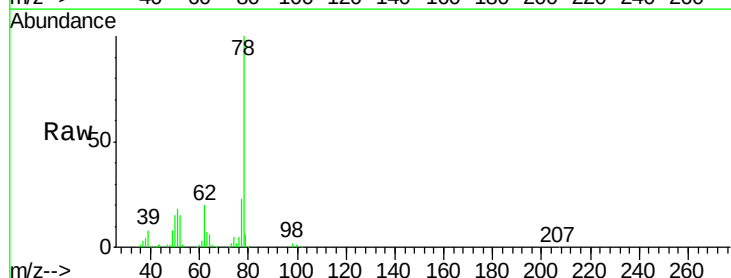
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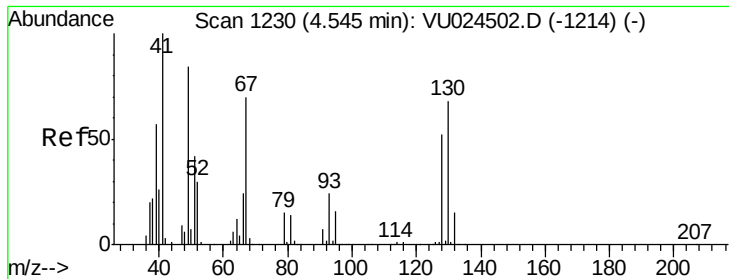
MMDadoda
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#40
Benzene
Concen: 19.70 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





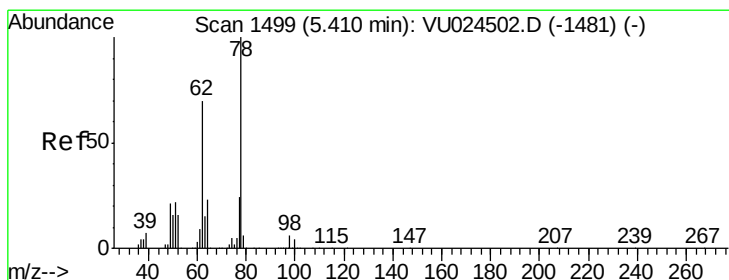
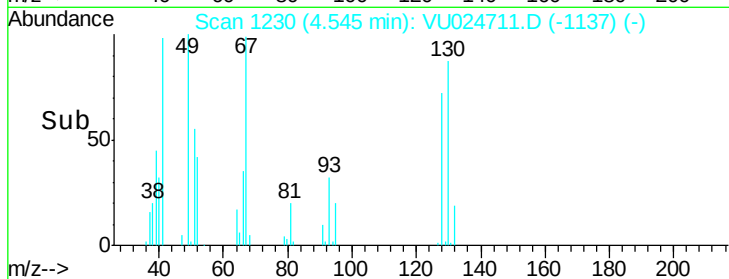
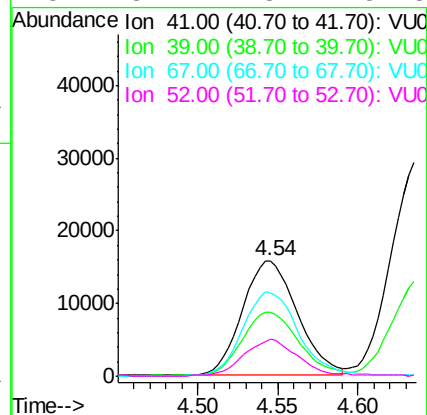
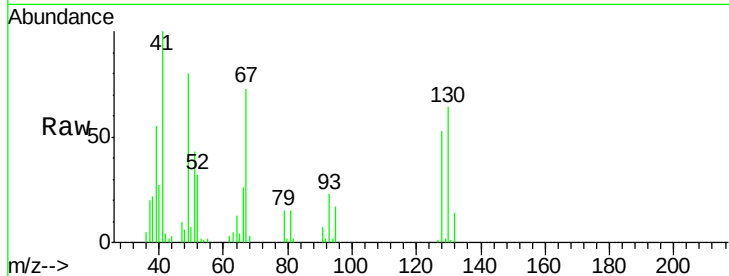
#41
Methacrylonitrile
Concen: 21.52 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	43.8	65.6	
67	76.2	56.3	84.5	
52	32.1	23.2	34.8	

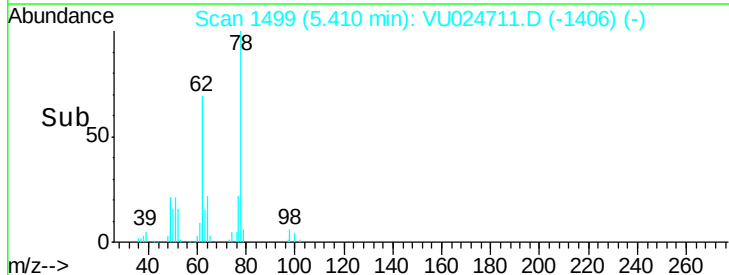
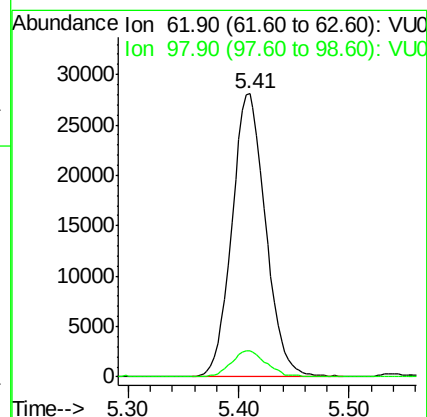
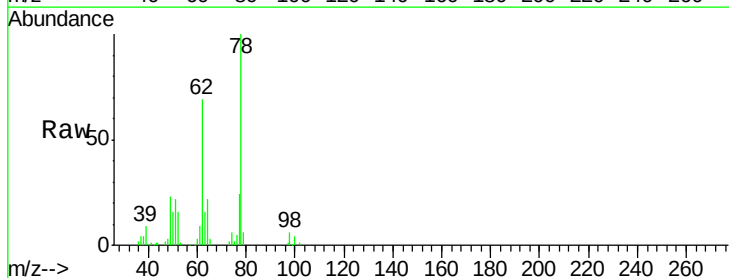
Manual Integrations
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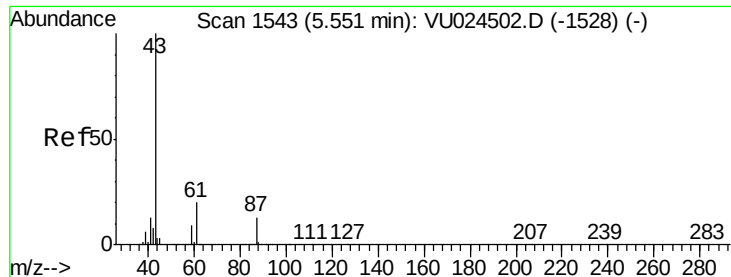
MMDadoda
6/19/2018 1:55:07 PM



#42
1,2-Dichloroethane
Concen: 18.79 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	16.6	





#43

Isopropyl Acetate

Concen: 20.23 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

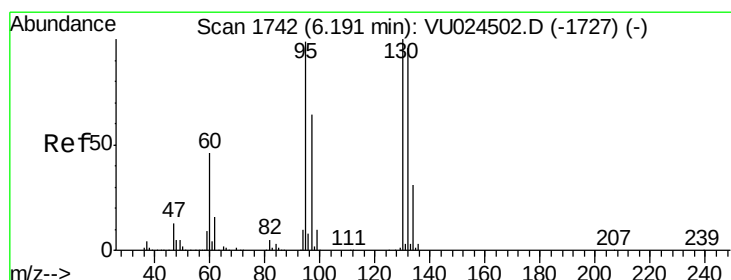
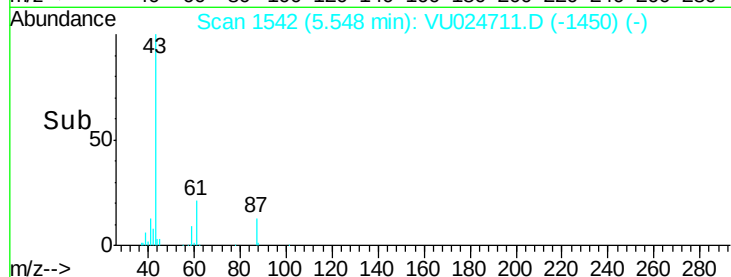
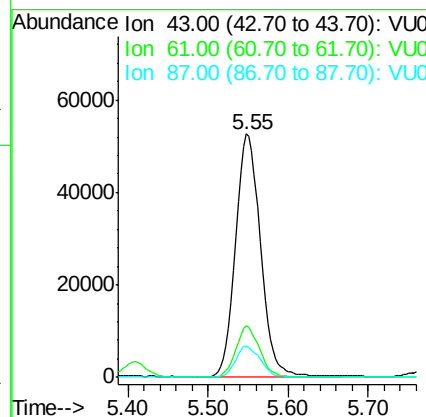
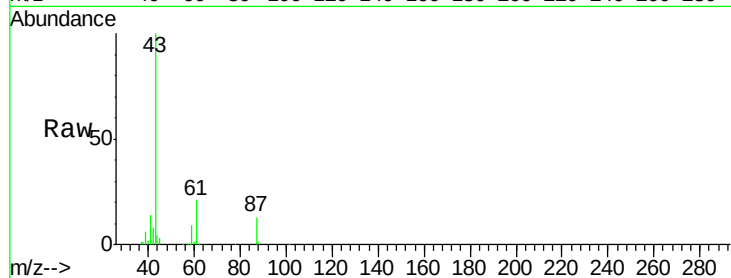
ClientSampleId :

VU0618WBS02

Tot Ion:	43	Resp:	111180
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	12.6	10.0	15.0

Manual Integrations
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6/19/2018 1:55:07 PM



#44

Trichloroethene

Concen: 19.14 ug/l

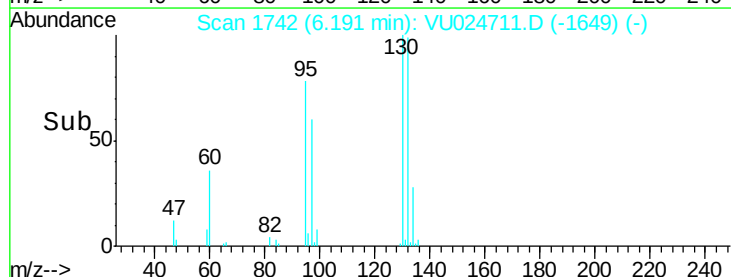
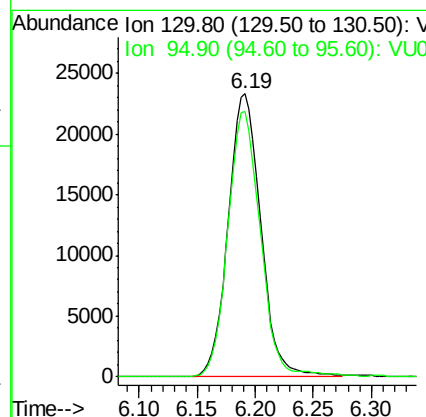
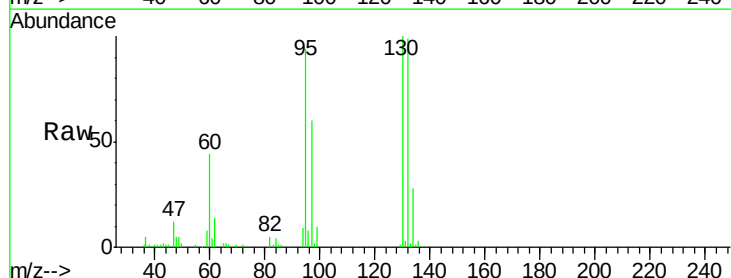
RT: 6.19 min Scan# 1742

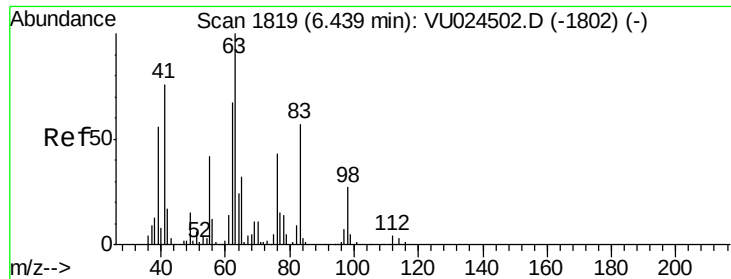
Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	130	Resp:	45274
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	202.4





#45

1,2-Dichloropropane

Concen: 20.36 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 63 Resp: 45145

Ion Ratio Lower Upper

63 100

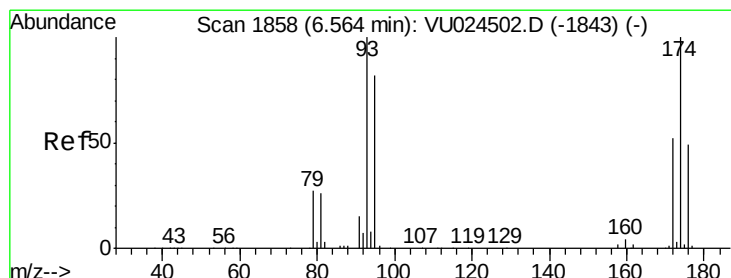
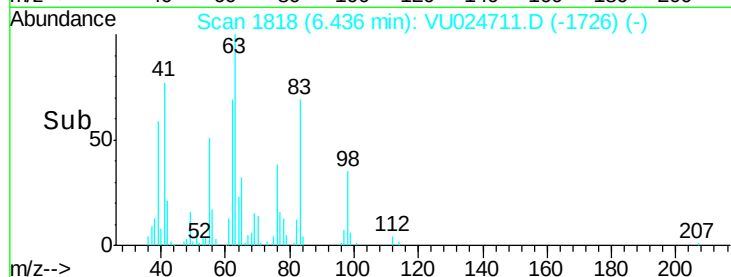
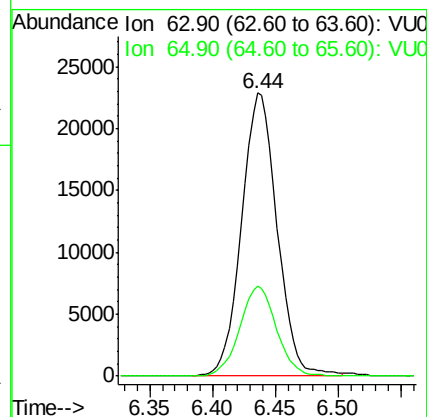
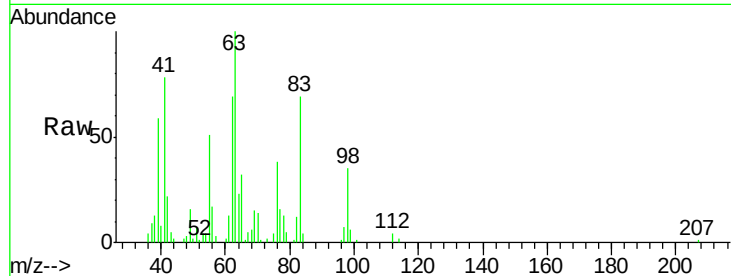
65 31.8 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 20.11 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

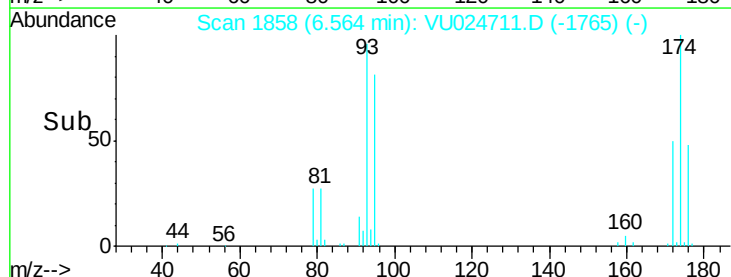
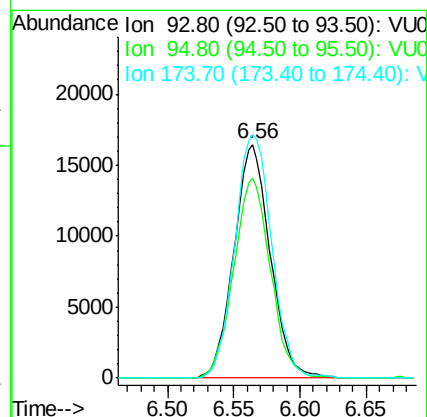
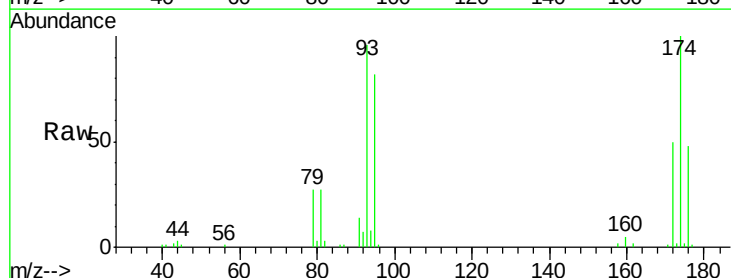
Tgt Ion: 93 Resp: 31334

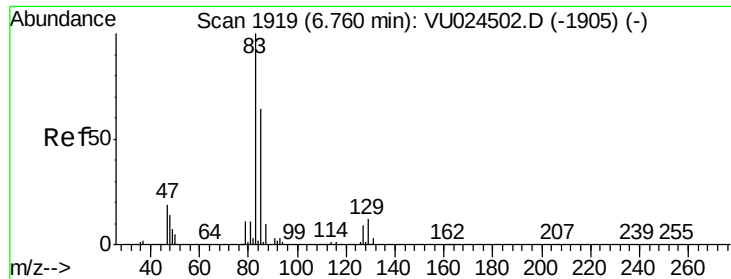
Ion Ratio Lower Upper

93 100

95 86.0 65.5 98.3

174 106.1 78.7 118.1





#47

Bromodichloromethane

Concen: 18.89 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

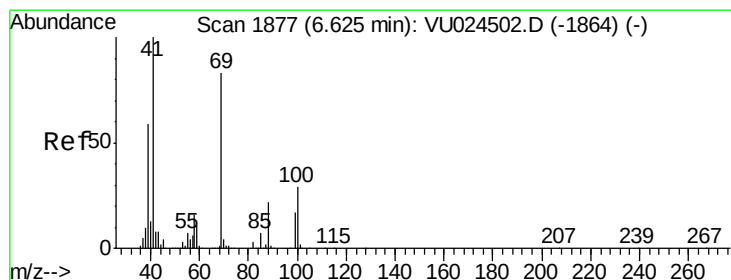
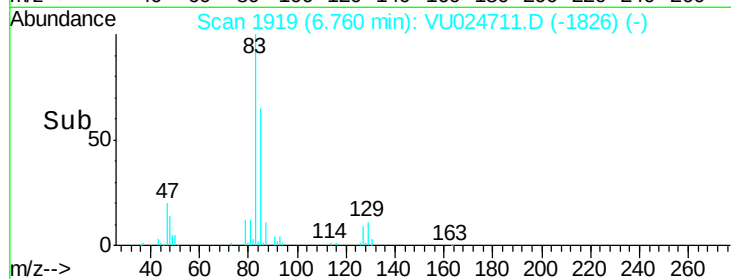
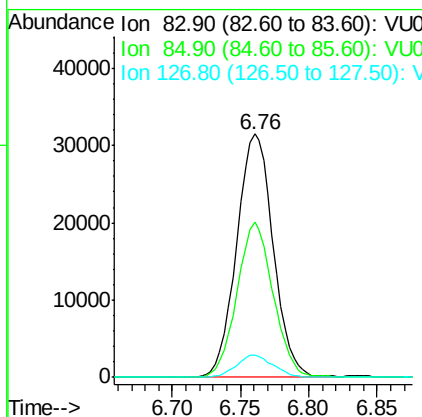
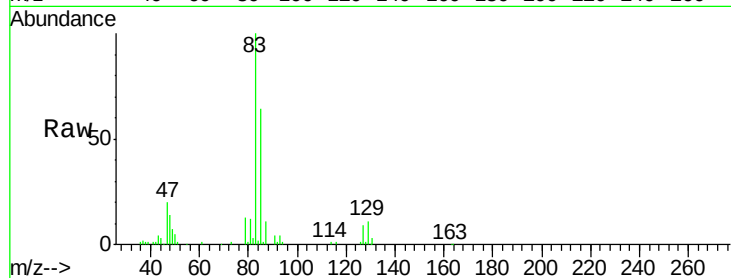
ClientSampleId :

VU0618WBS02

Tot Ion:	83	Resp:	58600
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.9	77.9
127	9.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.03 ug/l

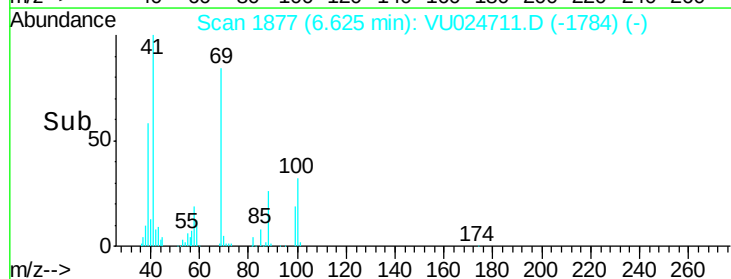
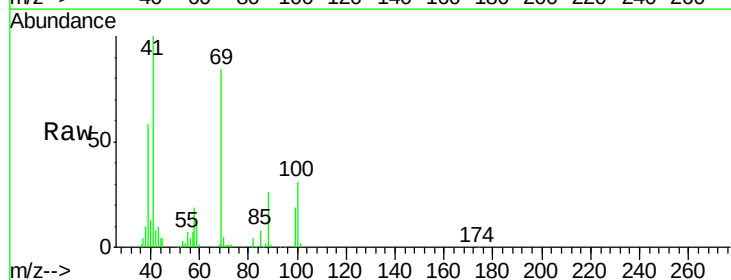
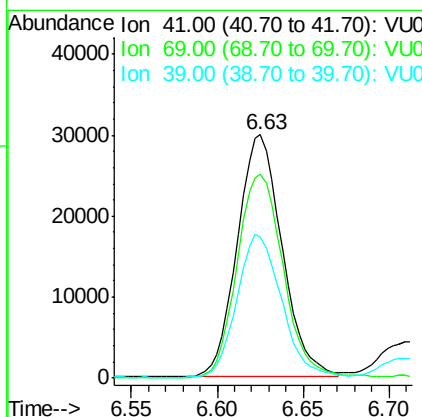
RT: 6.63 min Scan# 1877

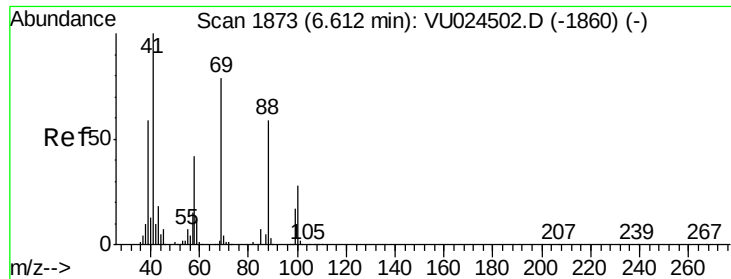
Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	41	Resp:	53598
Ion Ratio	Lower	Upper	
41	100		
69	88.3	67.3	100.9
39	60.3	46.5	69.7





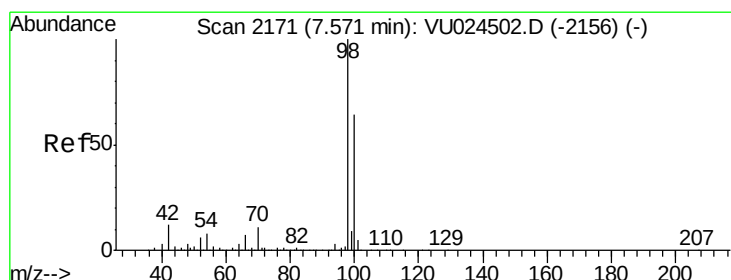
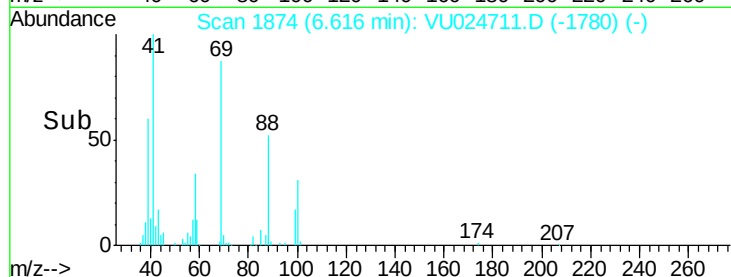
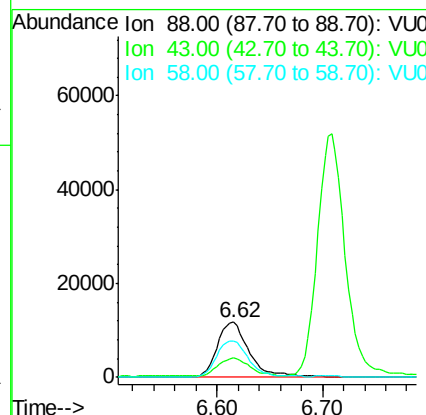
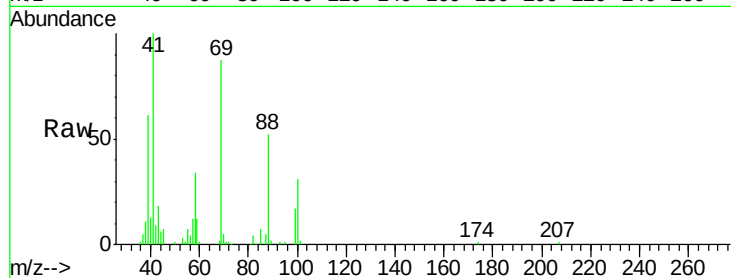
#49
1,4-Dioxane
Concen: 475.52 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	28.6	42.8
58	67.8	58.2	87.4

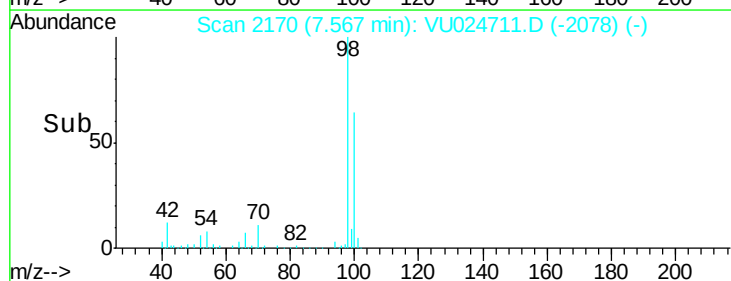
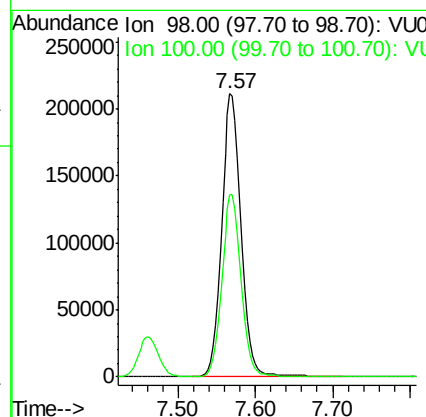
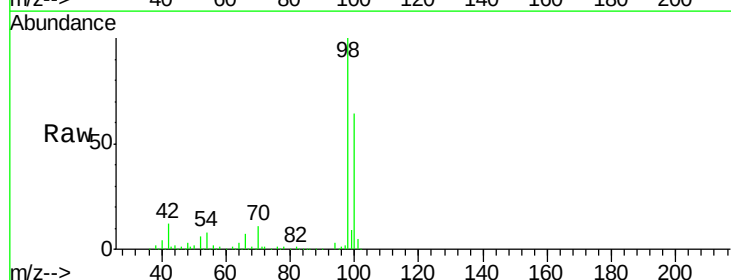
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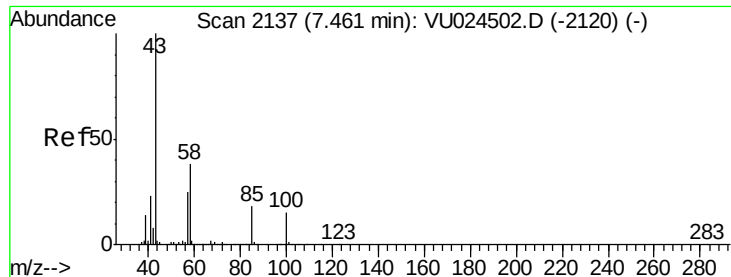
MMDadoda
6/19/2018 1:55:07 PM



#50
Toluene-d8
Concen: 49.57 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





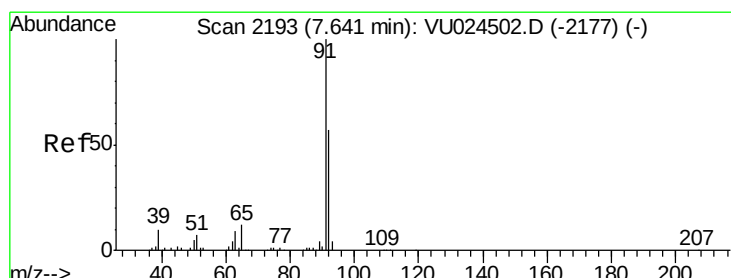
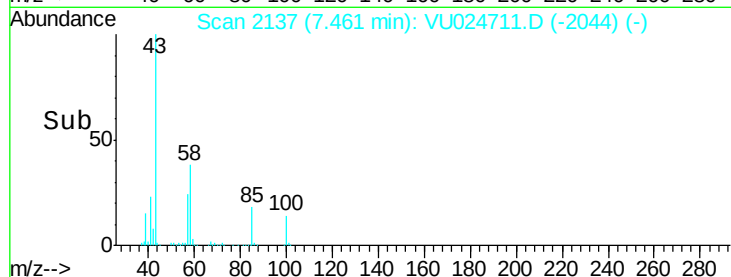
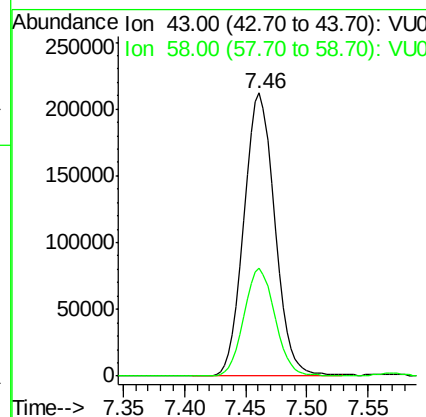
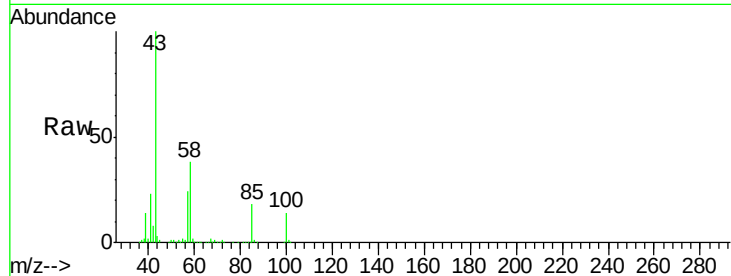
#51
 4-Methyl-2-Pentanone
 Concen: 107.10 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.0	45.0

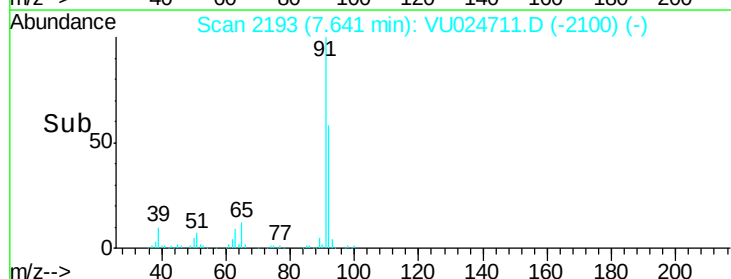
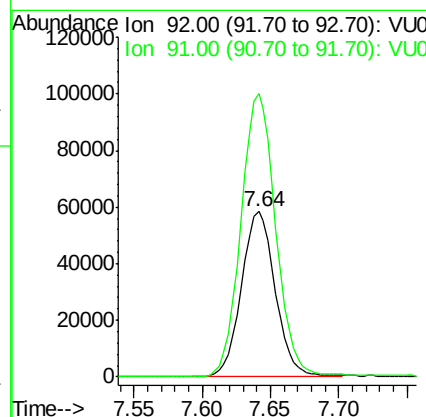
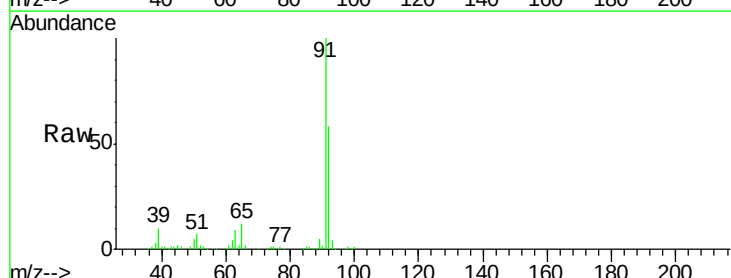
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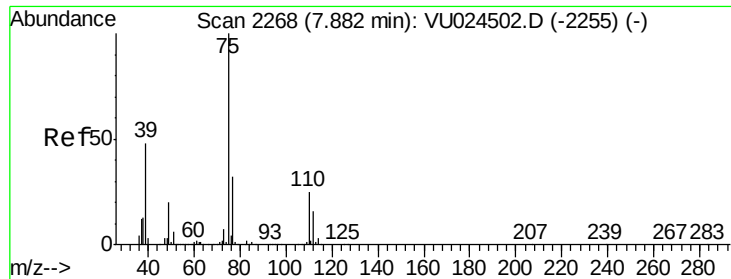
MMDadoda
 6/19/2018 1:55:07 PM



#52
 Toluene
 Concen: 18.83 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.9	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 16.28 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 75 Resp: 56721

Ion Ratio Lower Upper

75 100

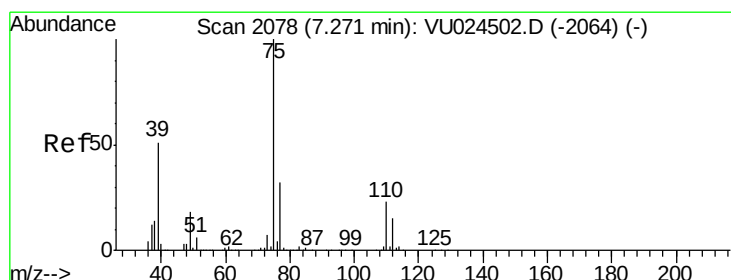
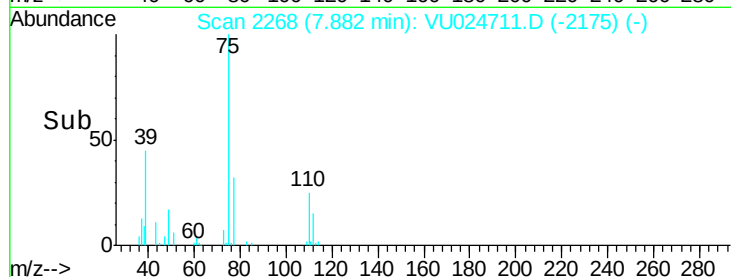
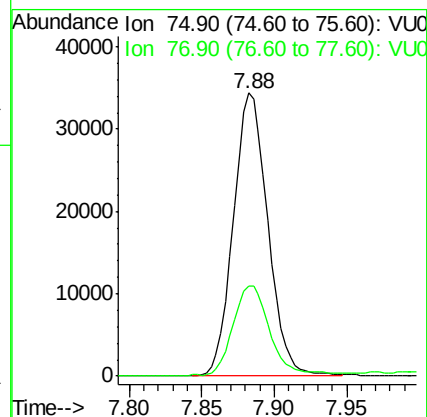
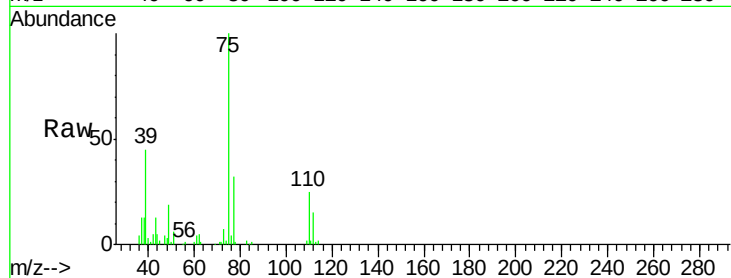
77 31.6 24.8 37.2

Manual Integrations

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MMDadoda

6/19/2018 1:55:07 PM



#54

cis-1,3-Dichloropropene

Concen: 16.18 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

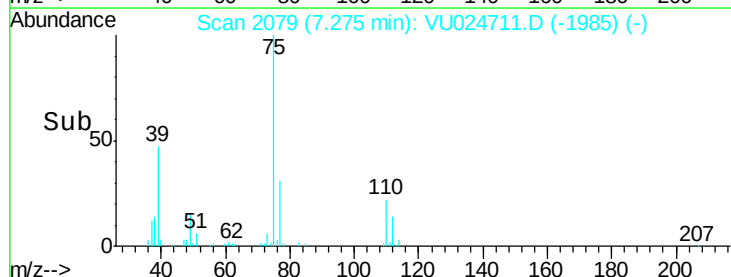
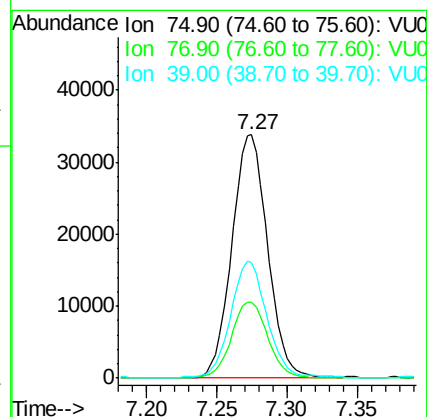
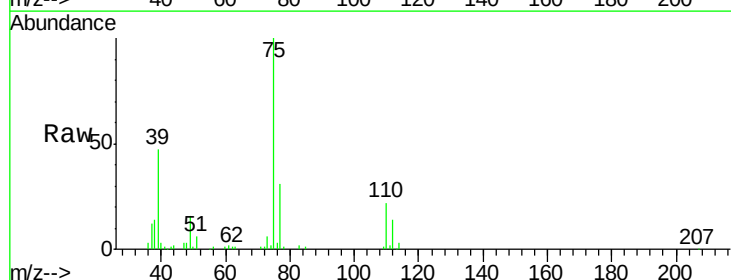
Tgt Ion: 75 Resp: 60072

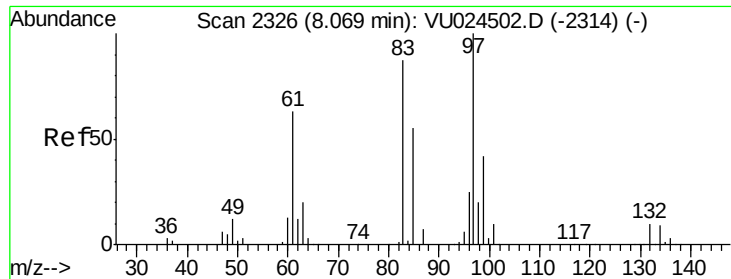
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 47.0 39.8 59.6





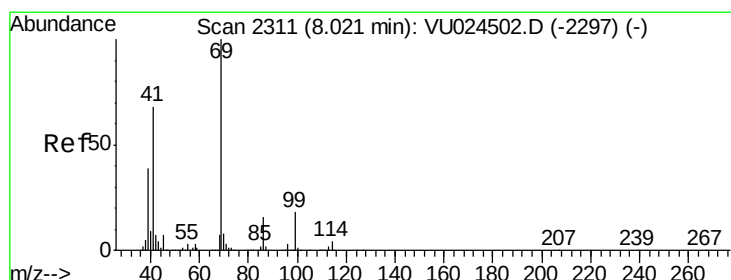
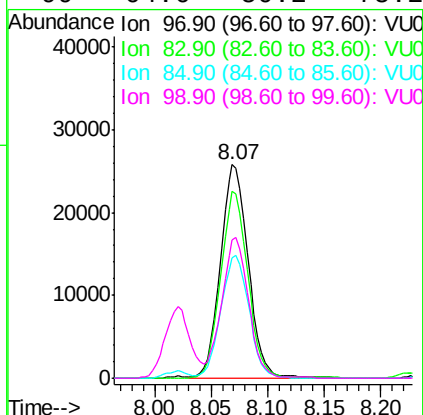
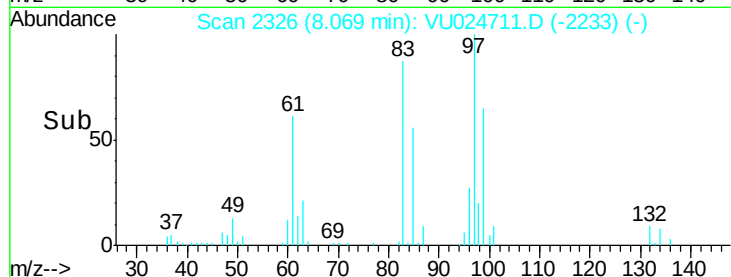
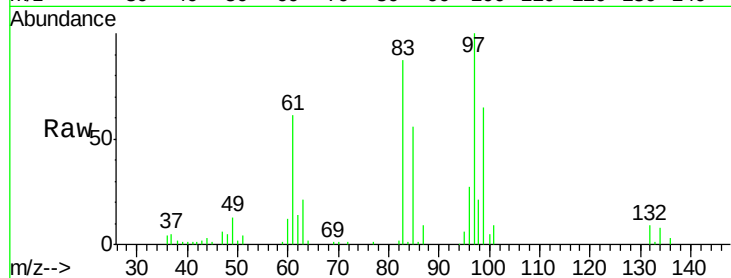
#55
 1,1,2-Trichloroethane
 Concen: 20.38 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		44293		
83	87.2		70.5	105.7	
85	56.2		46.4	69.6	
99	64.6		50.2	75.2	

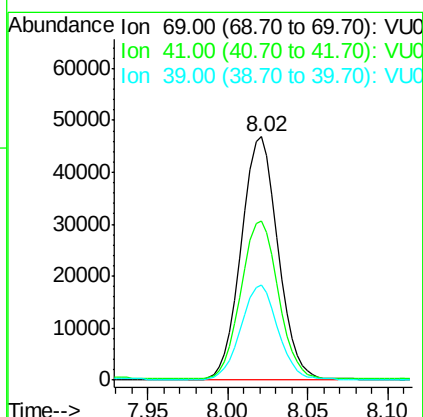
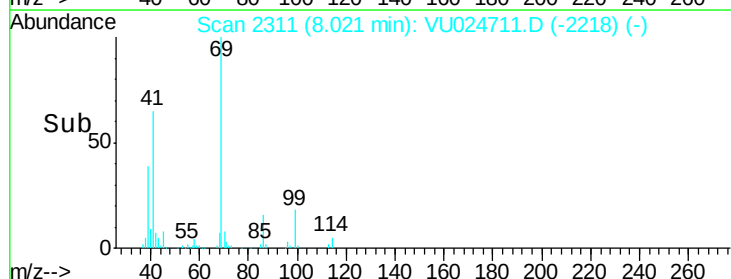
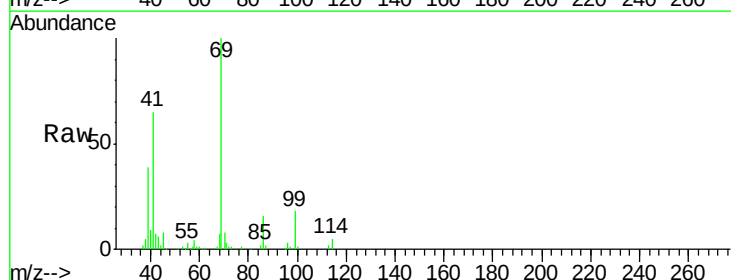
Manual Integrations
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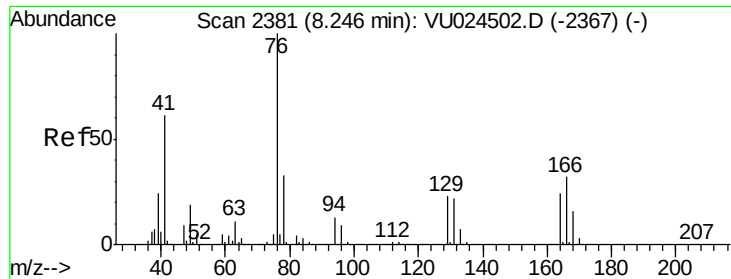
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.31 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73880		
41	65.7		54.1	81.1	
39	38.6		30.3	45.5	





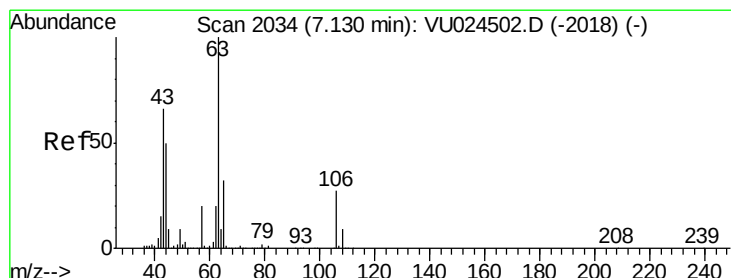
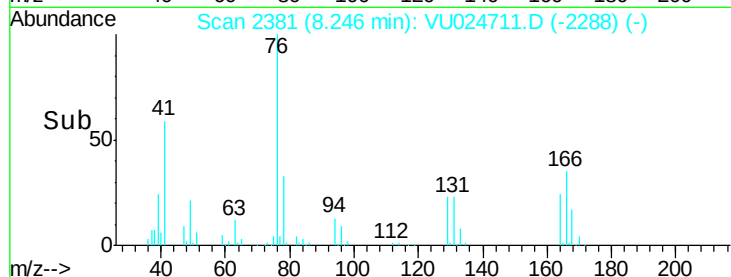
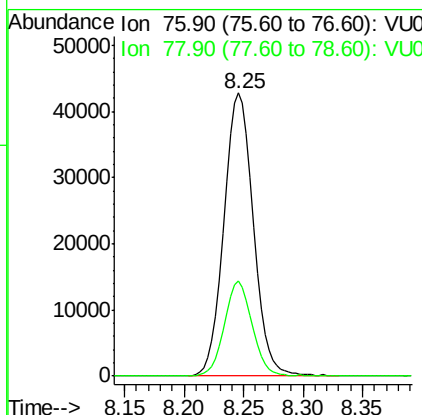
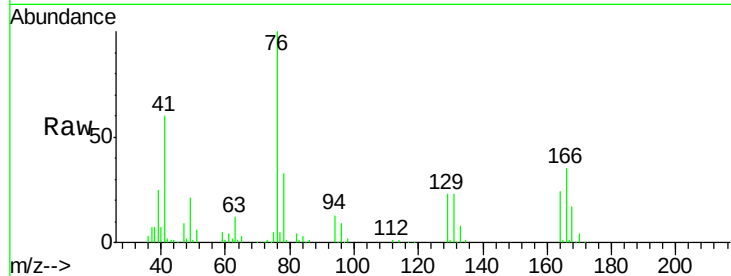
#57
 1,3-Dichloropropane
 Concen: 20.06 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion: 76 Resp: 73542
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

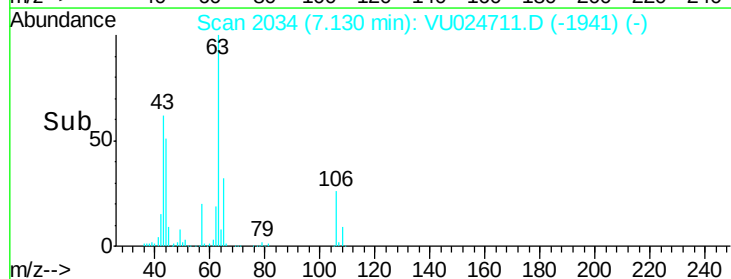
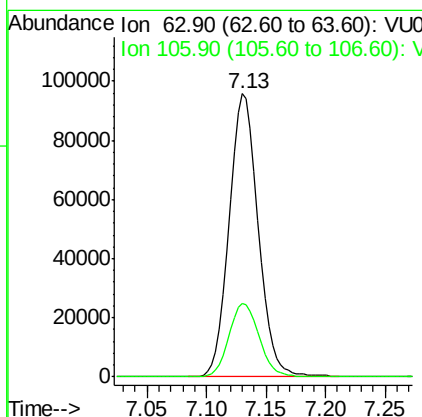
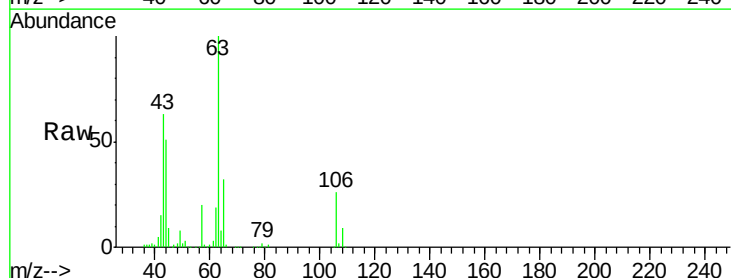
Manual Integrations
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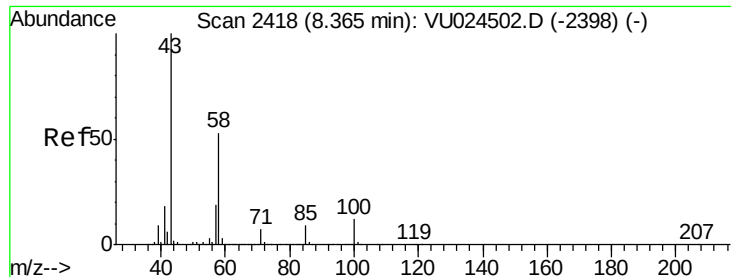
MMDadoda
 6/19/2018 1:55:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.56 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion: 63 Resp: 162463
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.2 30.2





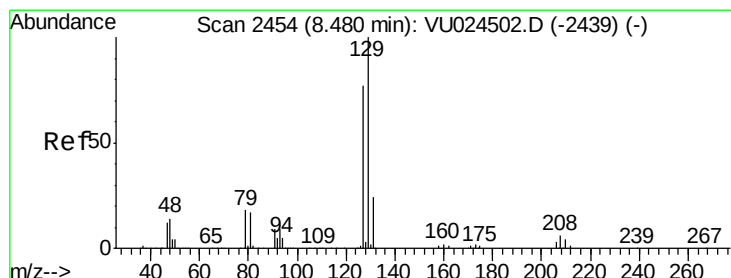
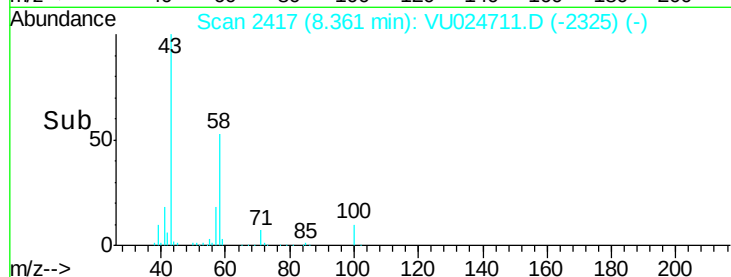
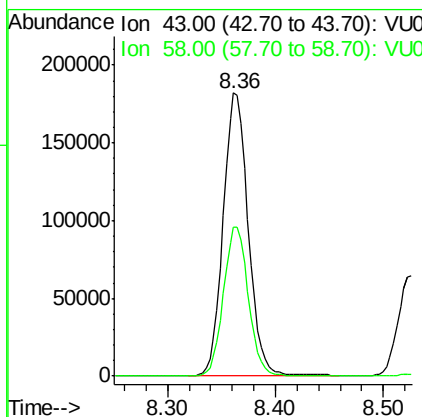
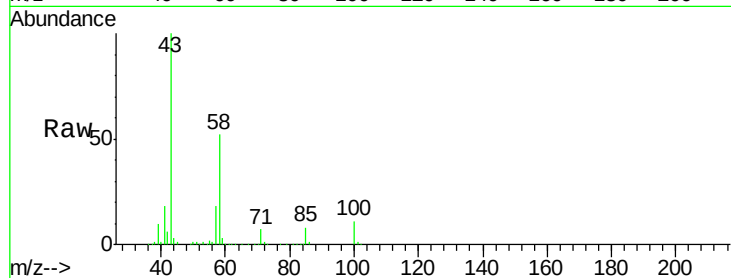
#59
2-Hexanone
Concen: 103.81 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.4	79.0

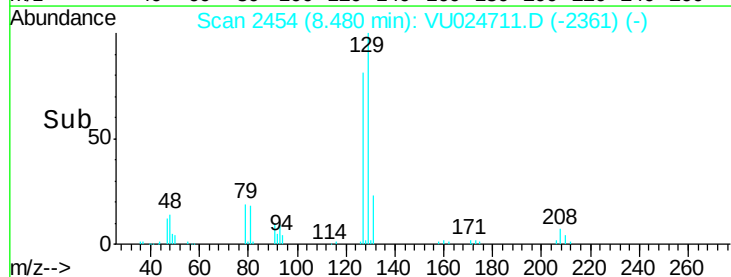
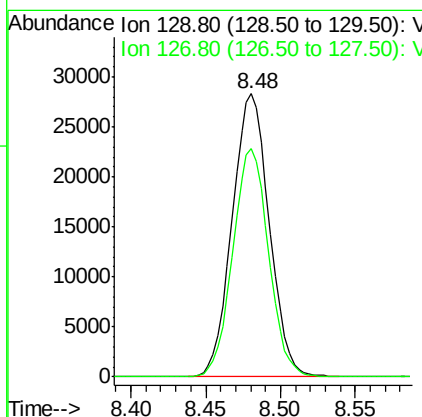
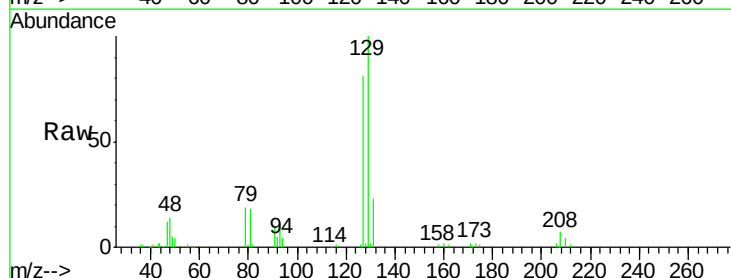
Manual Integrations
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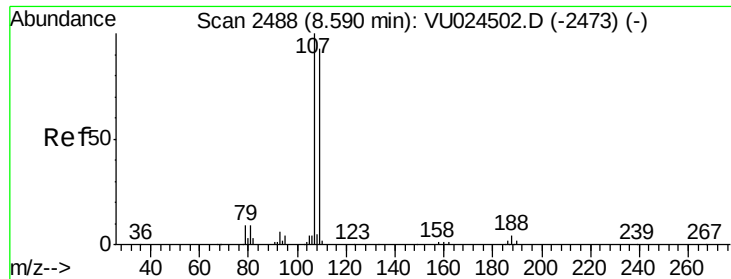
MMDadoda
6/19/2018 1:55:07 PM



#60
Dibromochloromethane
Concen: 17.98 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.6	116.0





#61

1,2-Dibromoethane

Concen: 19.43 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion:107 Resp: 47005

Ion Ratio Lower Upper

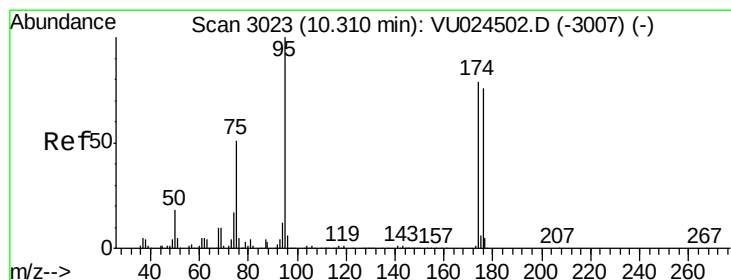
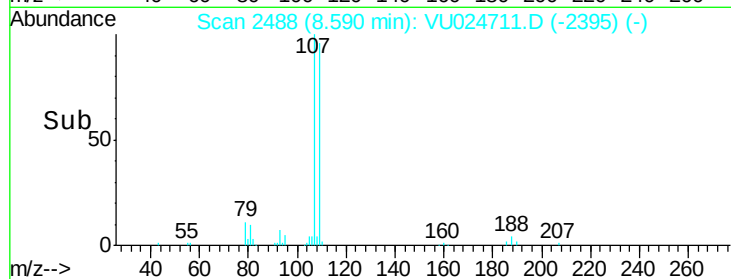
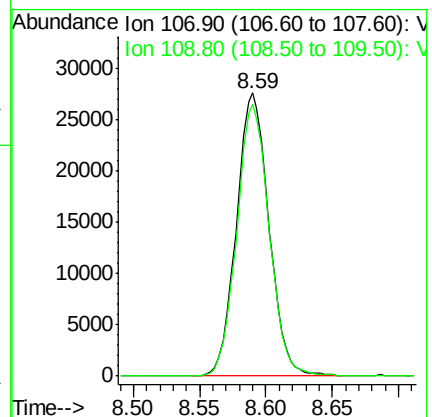
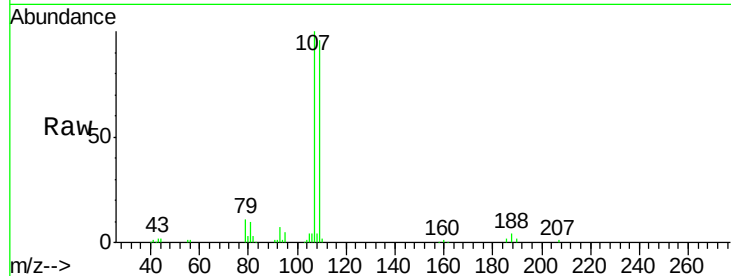
107 100

109 95.8 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 45.63 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

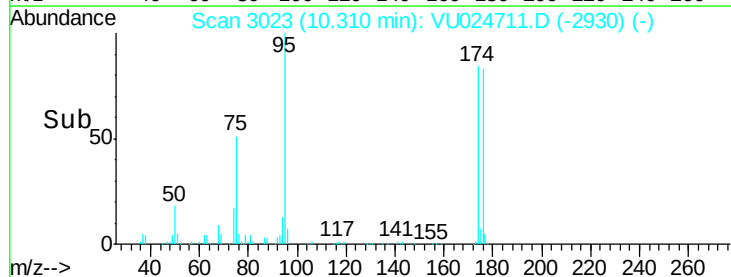
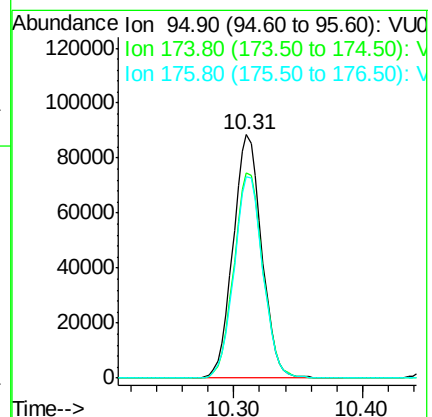
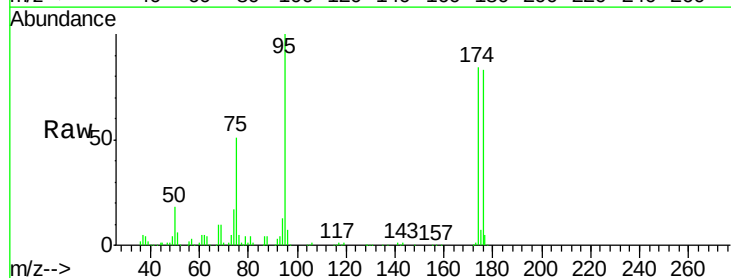
Tgt Ion: 95 Resp: 136152

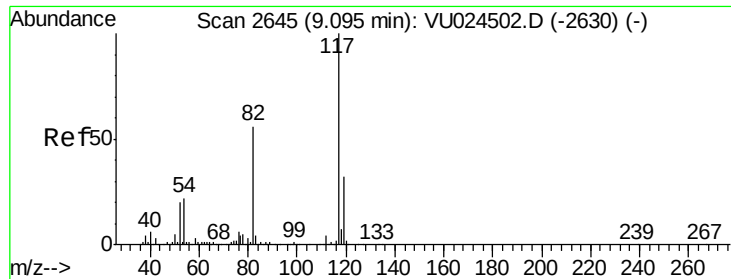
Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

176 83.4 0.0 159.4





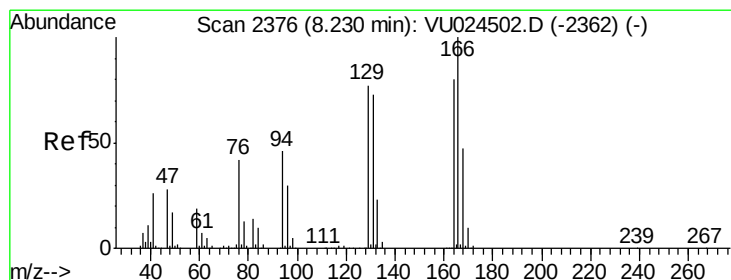
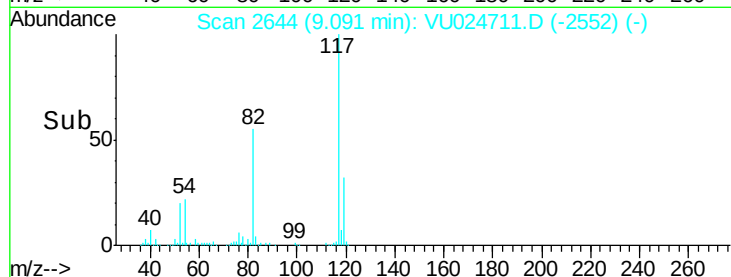
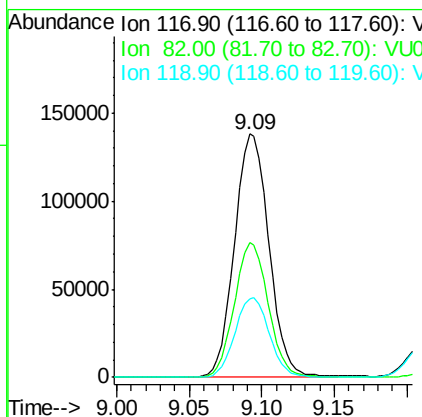
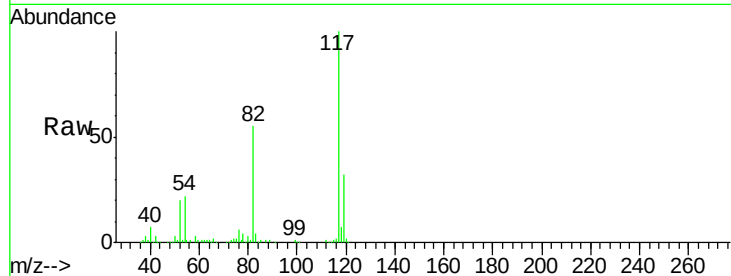
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	228465		
82	55.4	44.3	66.5	
119	32.4	25.4	38.2	

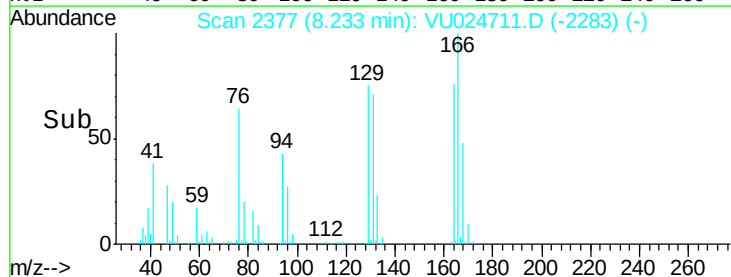
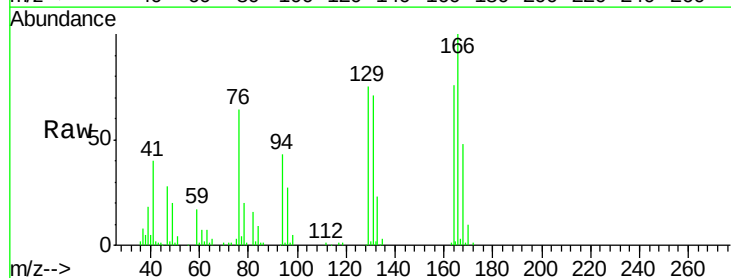
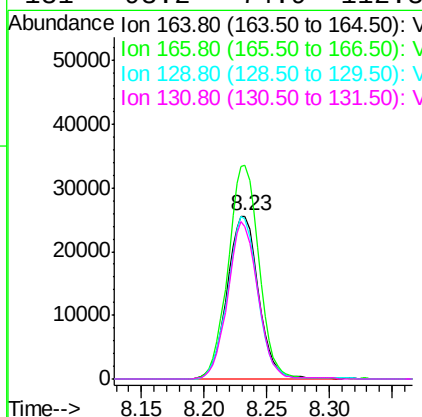
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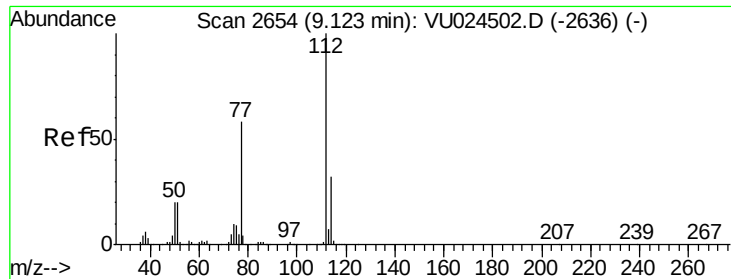
MMDadoda
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#64
Tetrachloroethene
Concen: 20.43 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44374		
166	131.0	101.7	152.5	
129	98.1	76.9	115.3	
131	93.2	74.9	112.3	





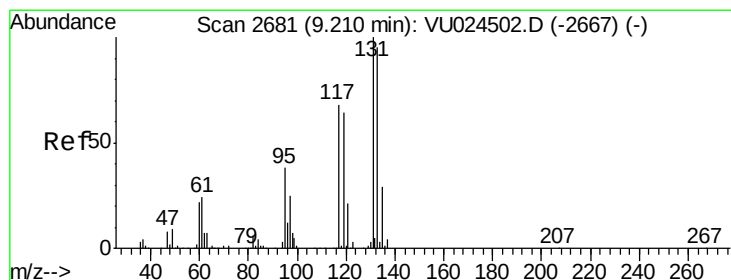
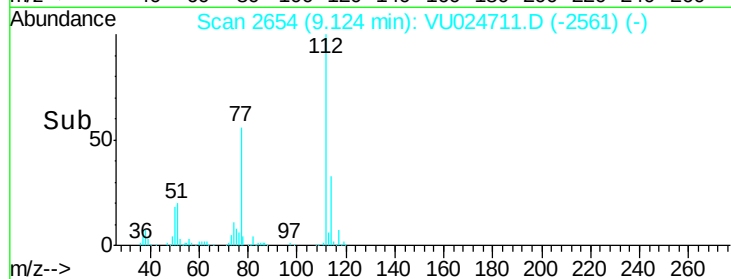
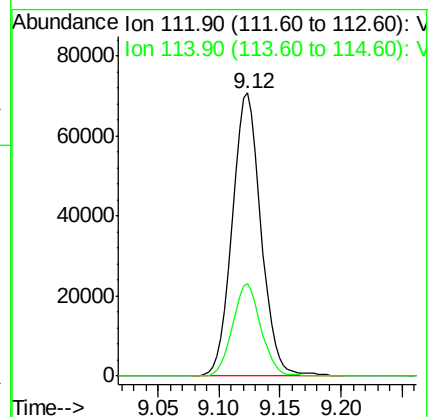
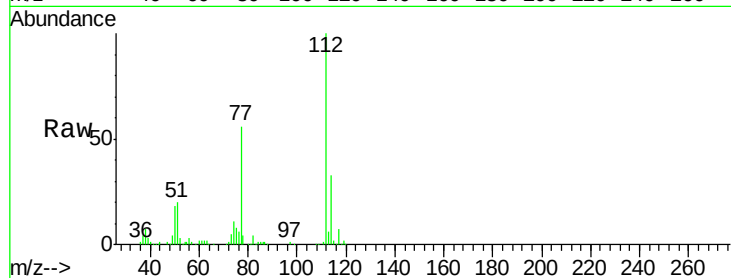
#65
Chlorobenzene
Concen: 20.01 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.6	38.4

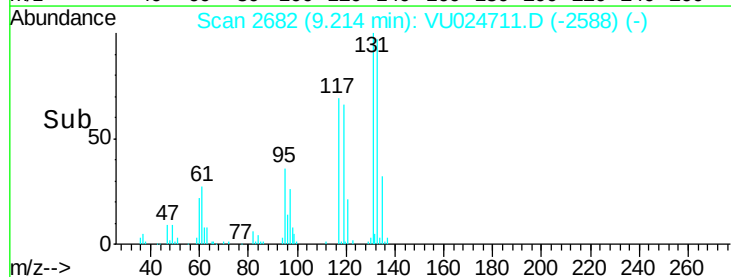
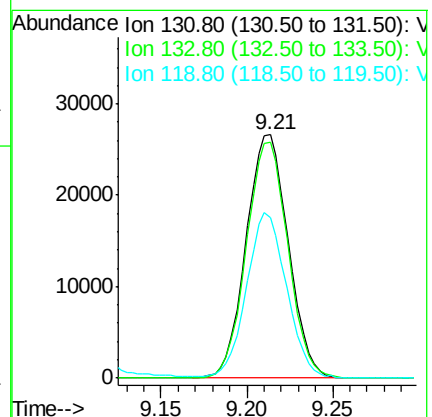
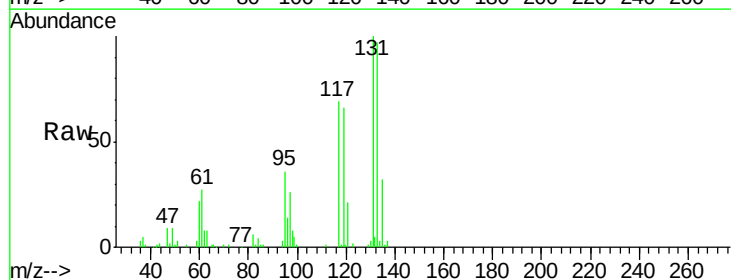
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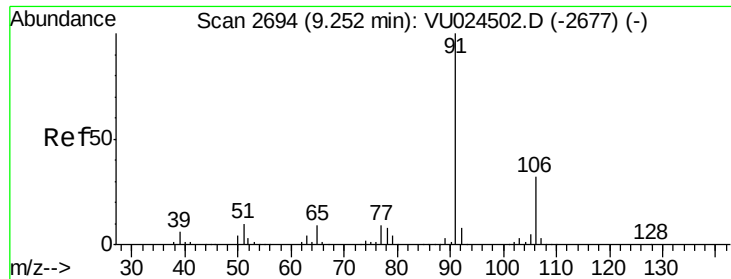
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.38 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.9	140.8
119	64.9	33.5	100.4





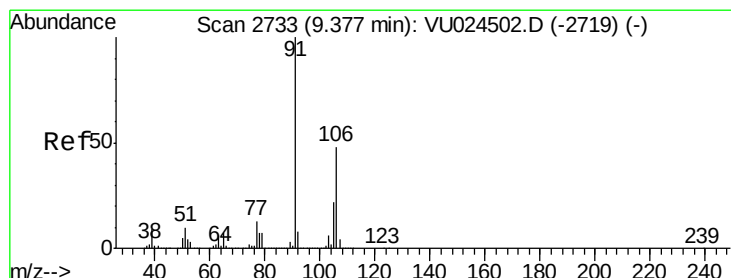
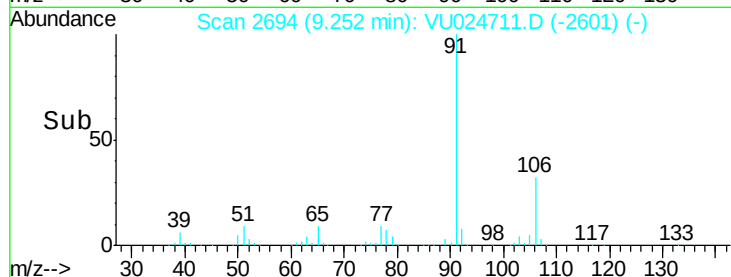
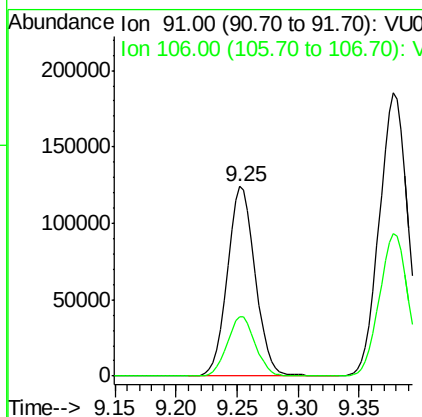
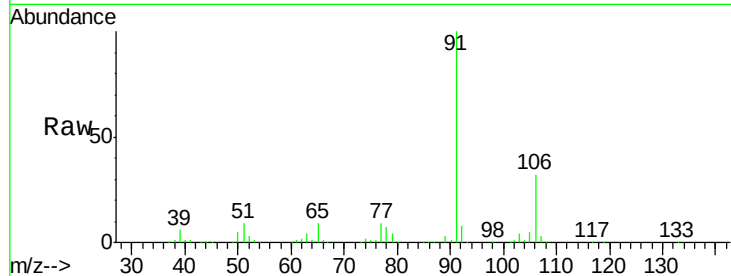
#67
Ethyl Benzene
Concen: 19.40 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion: 91 Resp: 198493
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4

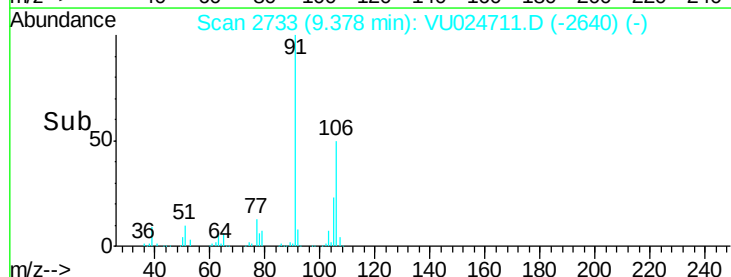
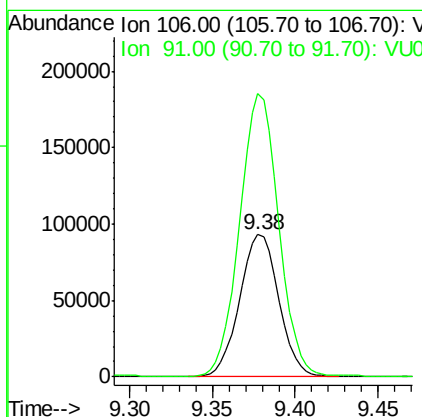
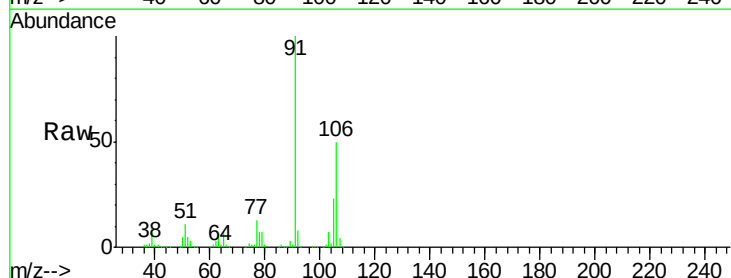
Manual Integrations
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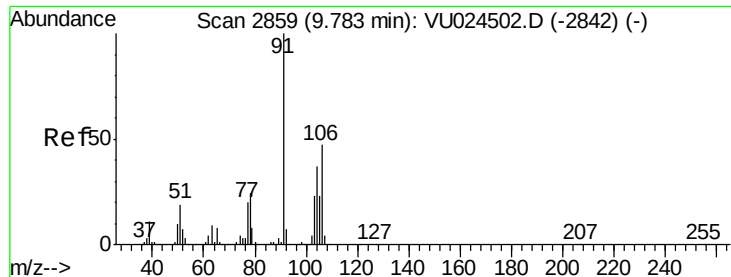
MMDadoda
6/19/2018 1:55:07 PM



#68
m/p-Xylenes
Concen: 38.82 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 106 Resp: 152504
Ion Ratio Lower Upper
106 100
91 199.6 166.5 249.7





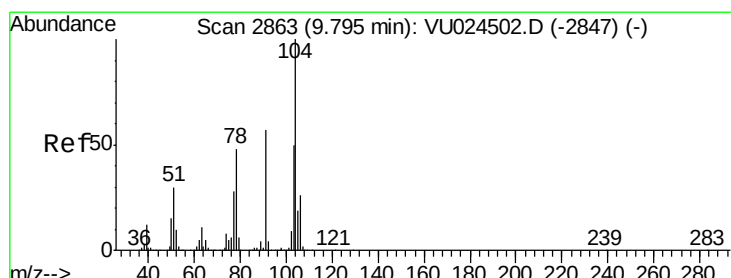
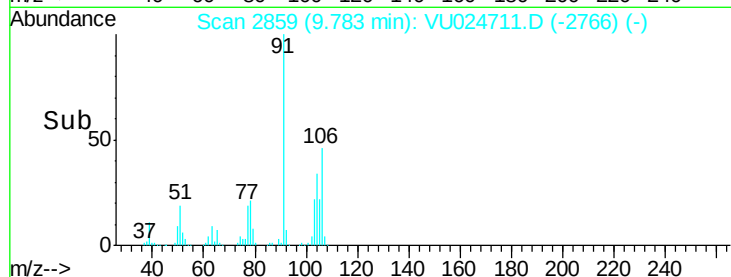
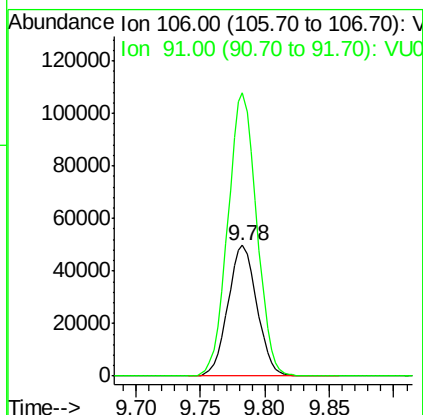
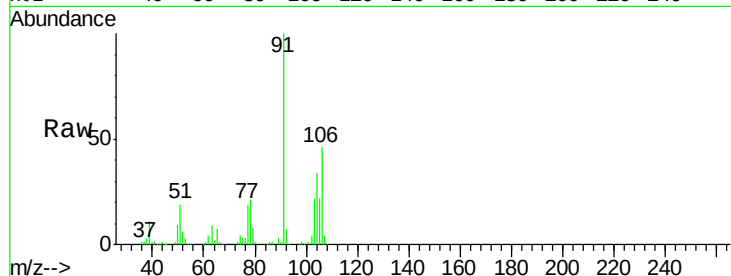
#69
o-Xylene
Concen: 20.00 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	214.9	110.7	331.9

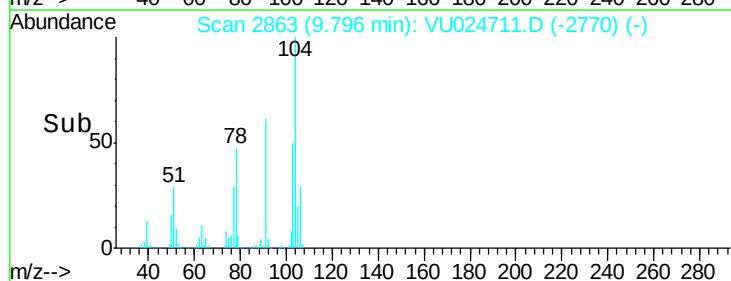
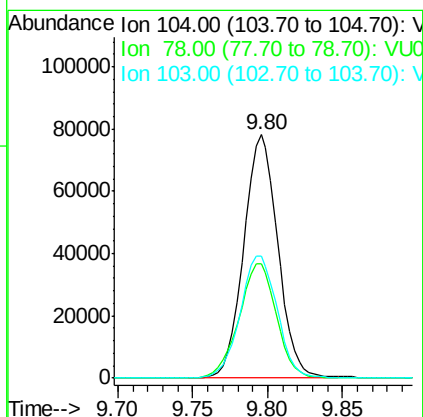
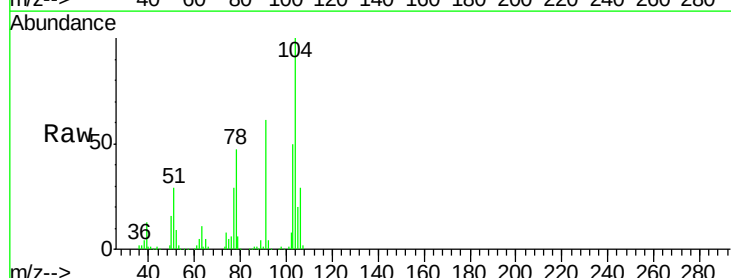
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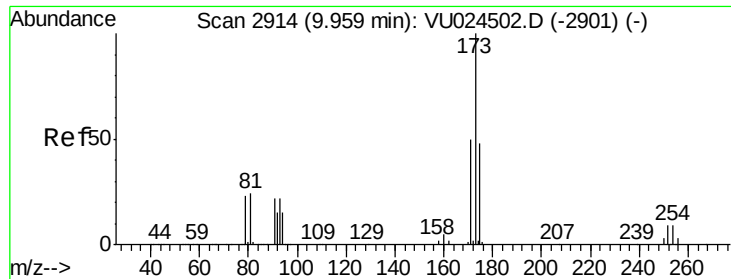
MMDadoda
6/19/2018 1:55:07 PM



#70
Styrene
Concen: 19.40 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.8	40.6	60.8
103	103	54.6	44.7	67.1





#71

Bromoform

Concen: 18.53 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

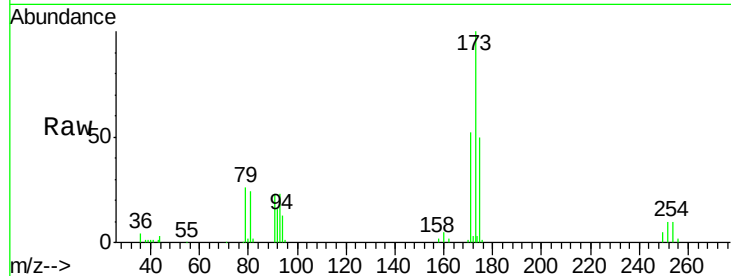
ClientSampleId :

VU0618WBS02

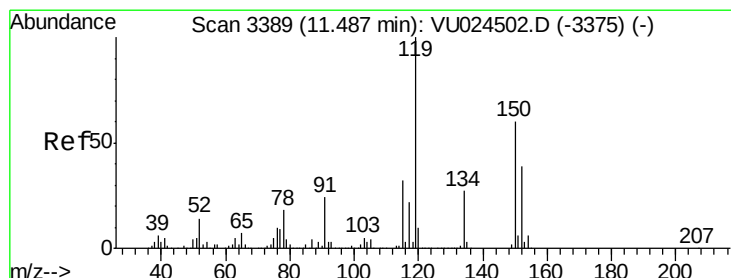
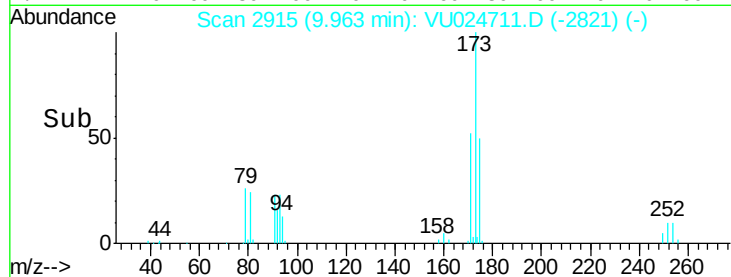
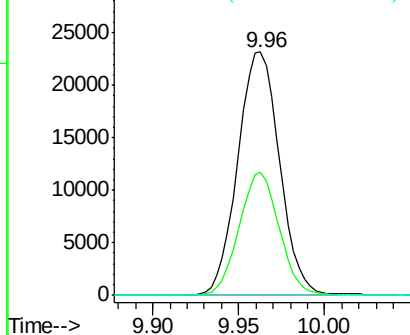
Tot Ion:	173	Resp:	39064
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

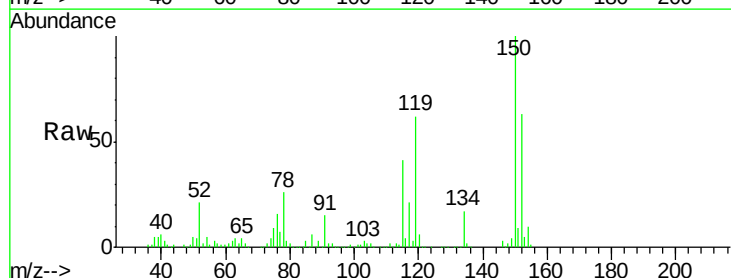
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

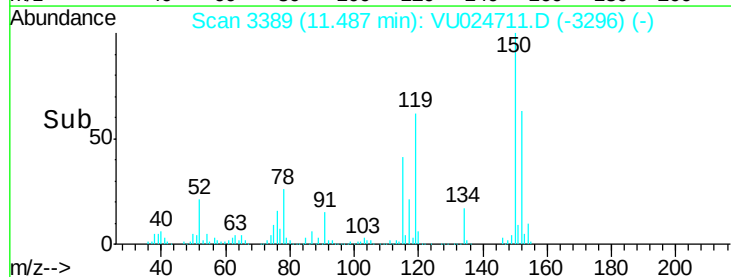
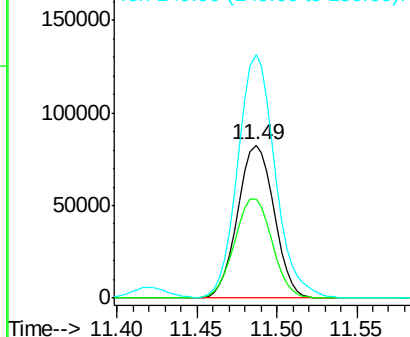
Lab File: VU024711.D

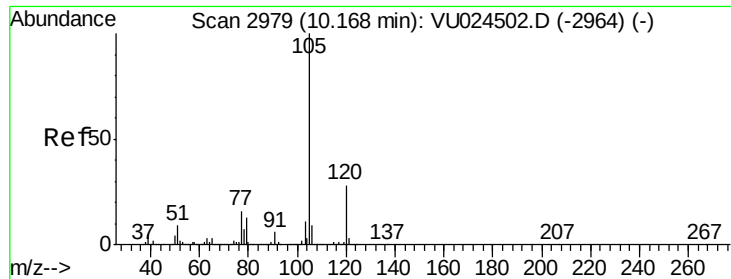
Acq: 18 Jun 2018 23:53

Tgt Ion:	152	Resp:	128157
Ion Ratio	Lower	Upper	
152	100		
115	67.0	43.0	129.0
150	162.6	0.0	354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampled :

VU0618WBS02

Tot Ion: 105 Resp: 201613

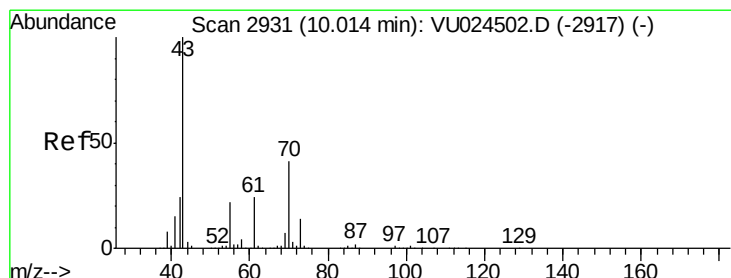
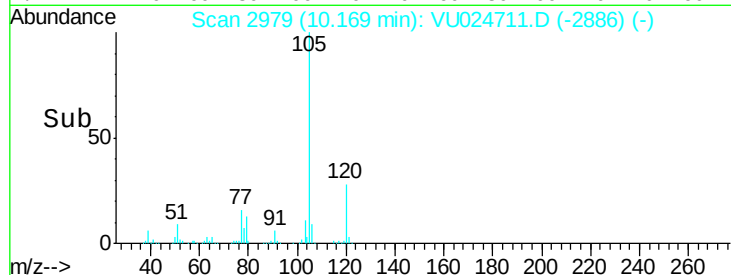
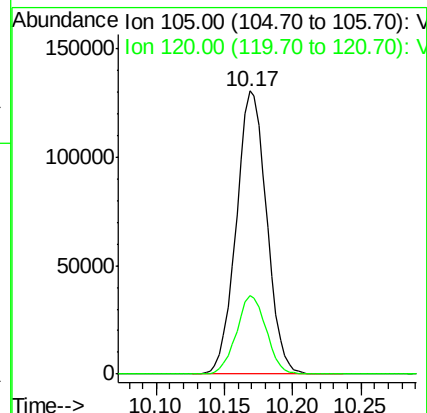
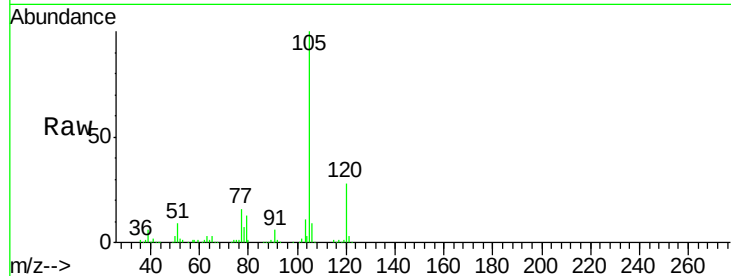
Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6

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#74

N-ethyl acetate

Concen: 21.12 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion: 43 Resp: 98834

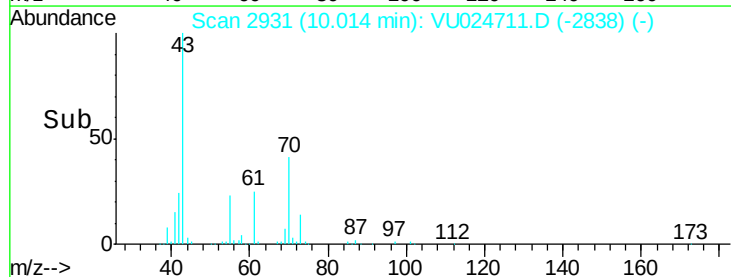
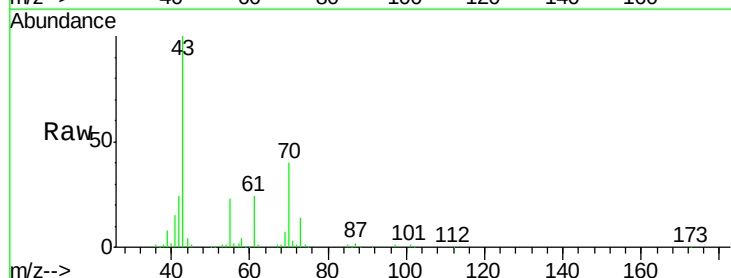
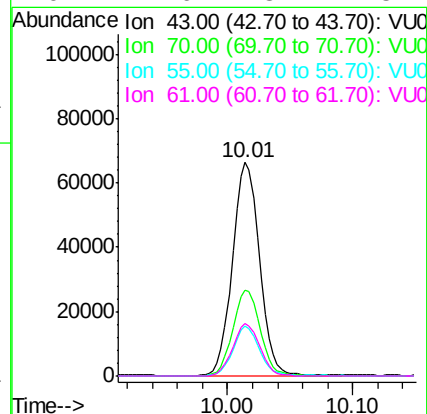
Ion Ratio Lower Upper

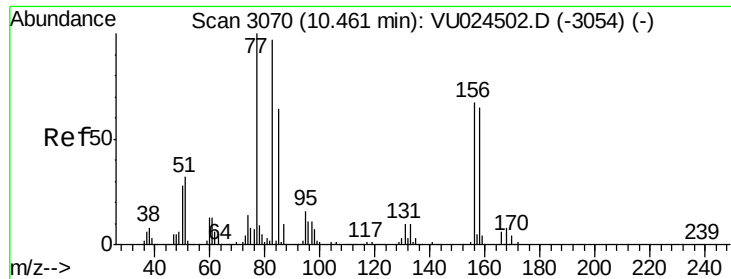
43 100

70 41.0 32.2 48.4

55 22.7 20.5 30.7

61 24.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.81 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 83 Resp: 75193

Ion Ratio Lower Upper

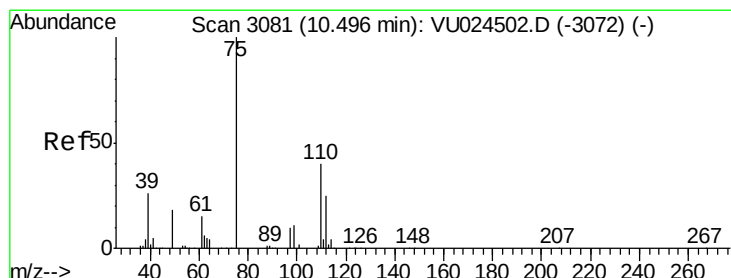
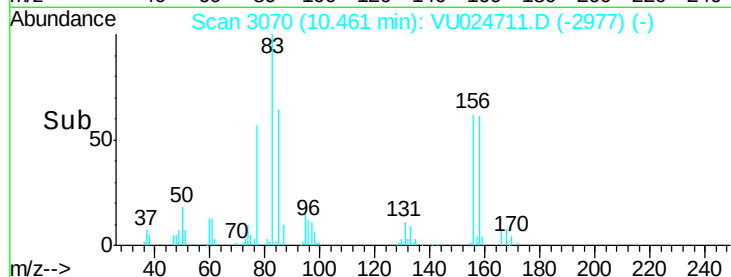
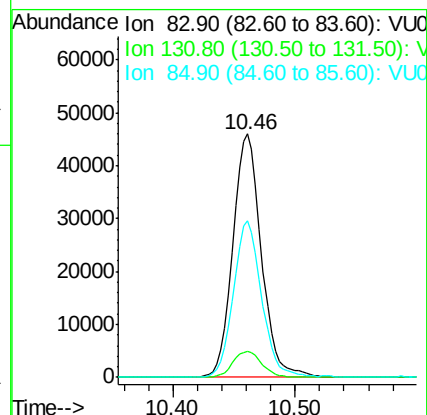
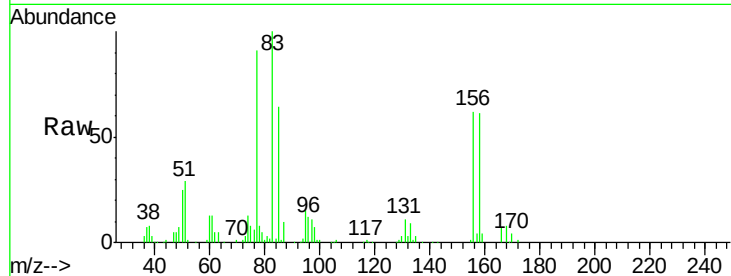
83 100

131 10.8 4.7 14.1

85 63.5 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 22.55 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024711.D

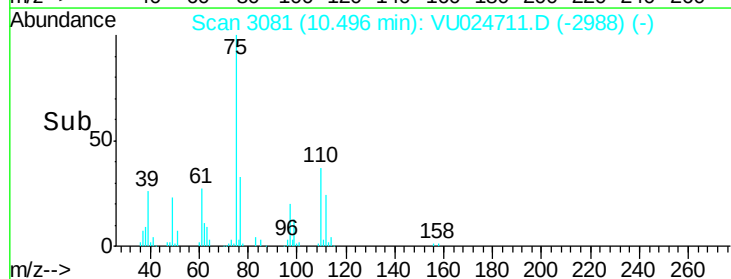
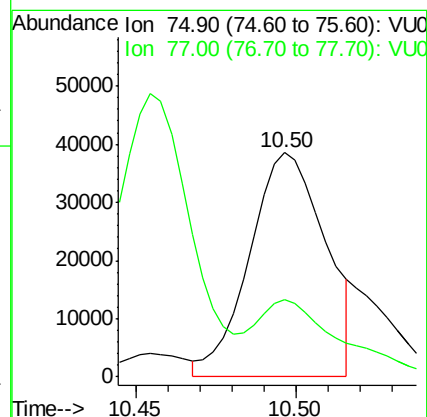
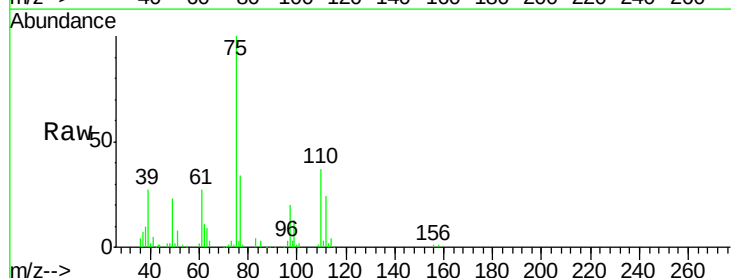
Acq: 18 Jun 2018 23:53

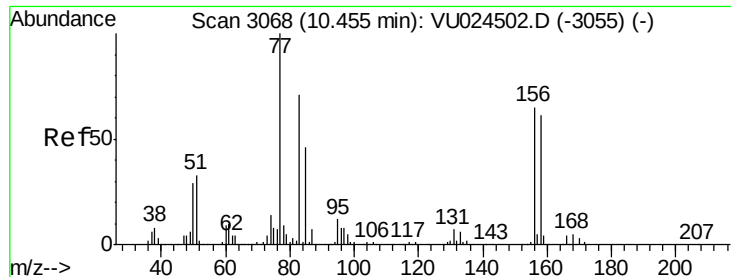
Tgt Ion: 75 Resp: 63638

Ion Ratio Lower Upper

75 100

77 38.0 20.9 62.7





#77

Bromobenzene

Concen: 21.04 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

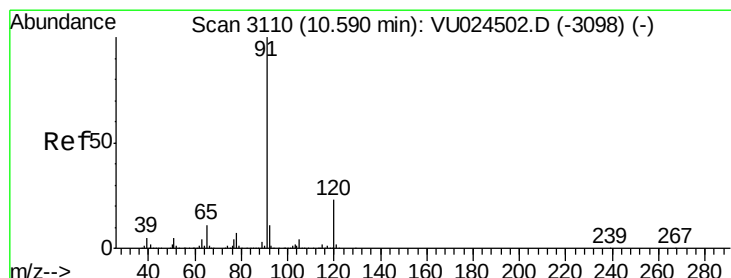
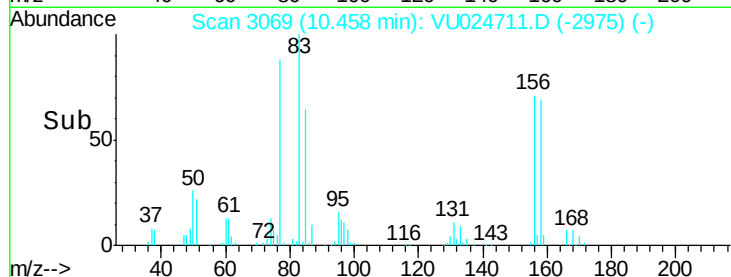
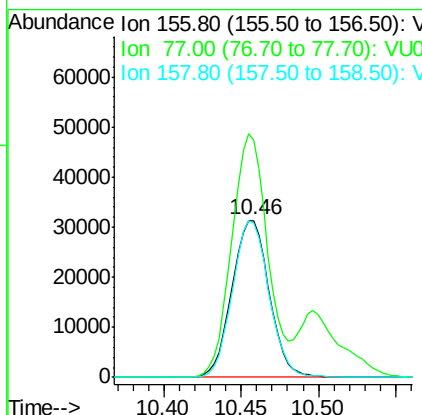
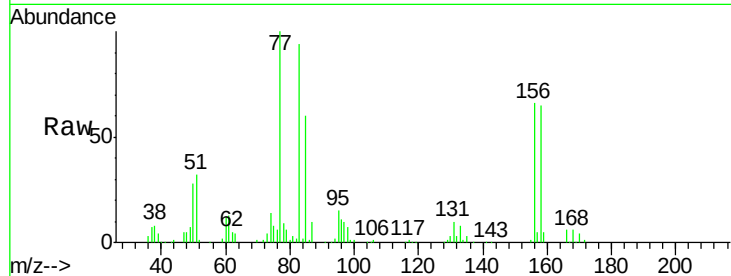
ClientSampleId :

VU0618WBS02

Tot Ion:	156	Resp:	52410
Ion Ratio	Lower	Upper	
156	100		
77	149.1	80.5	241.3
158	97.7	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.27 ug/l

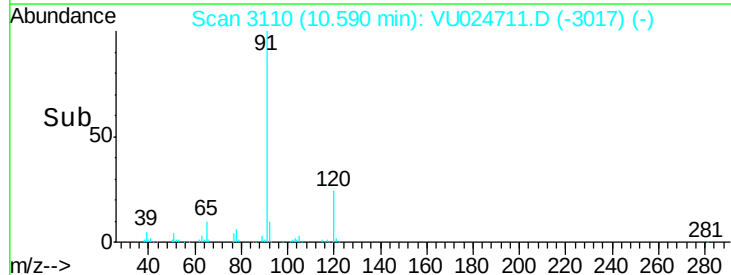
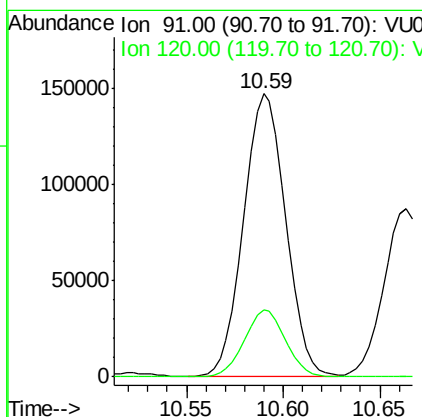
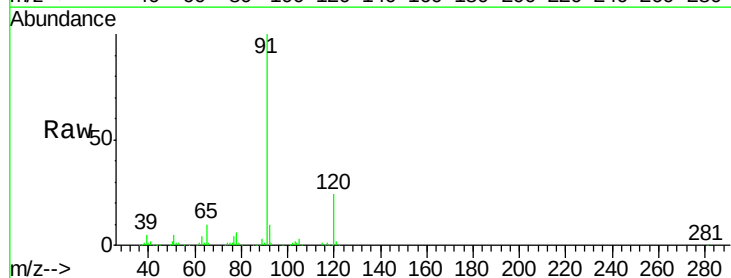
RT: 10.59 min Scan# 3110

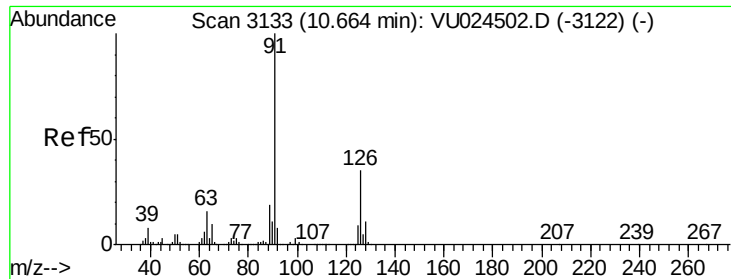
Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	91	Resp:	223397
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.05 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tot Ion: 91 Resp: 137044

Ion Ratio Lower Upper

91 100

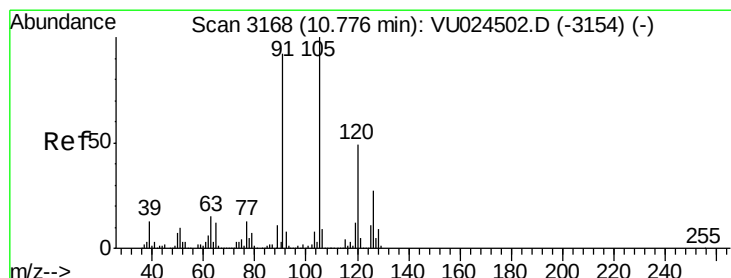
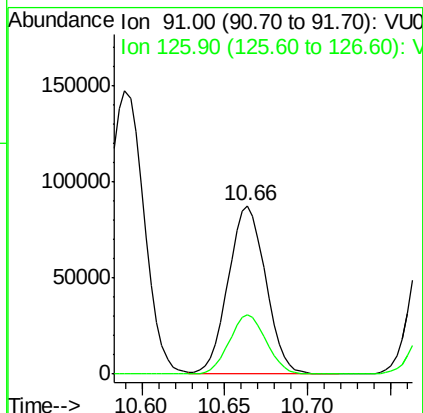
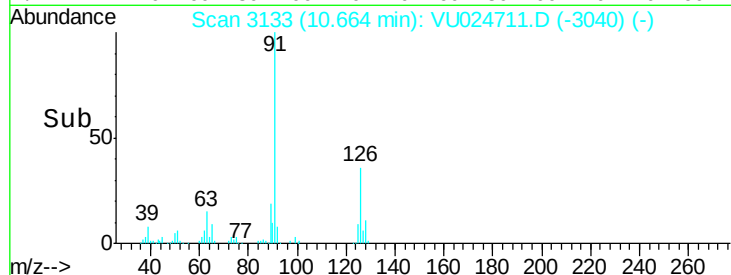
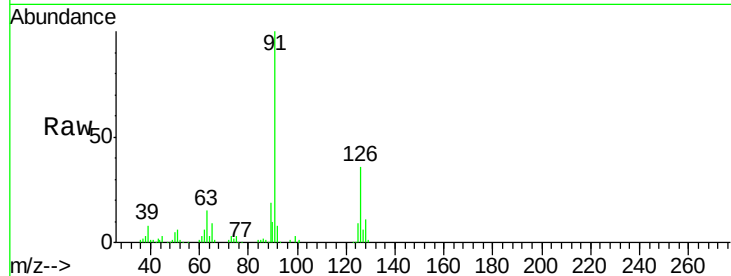
126 35.2 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.89 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024711.D

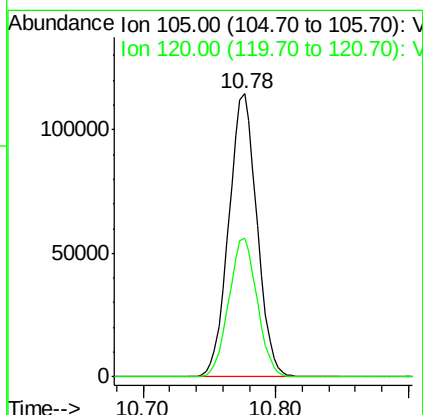
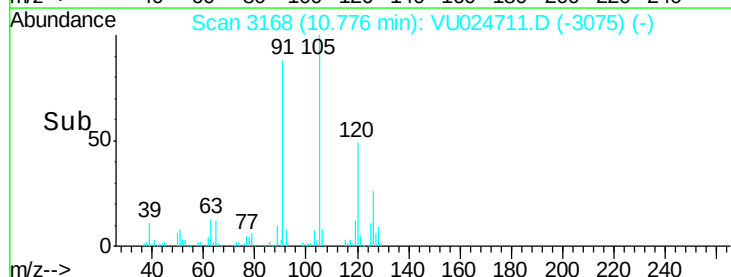
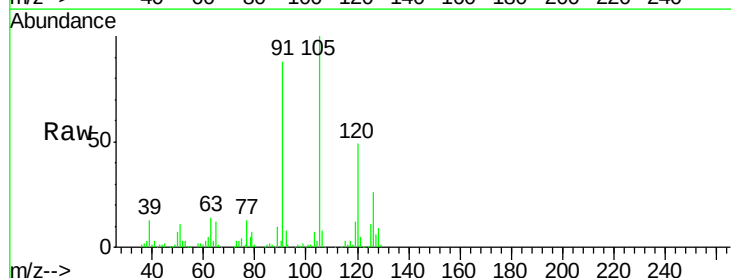
Acq: 18 Jun 2018 23:53

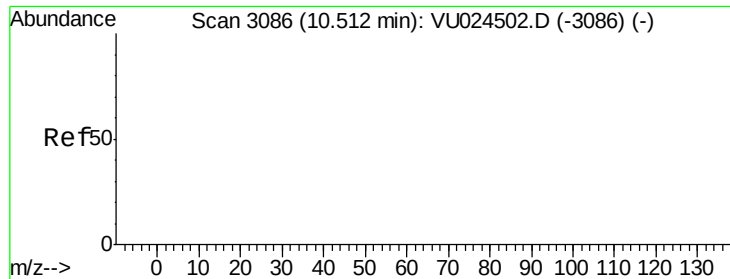
Tgt Ion:105 Resp: 169595

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2





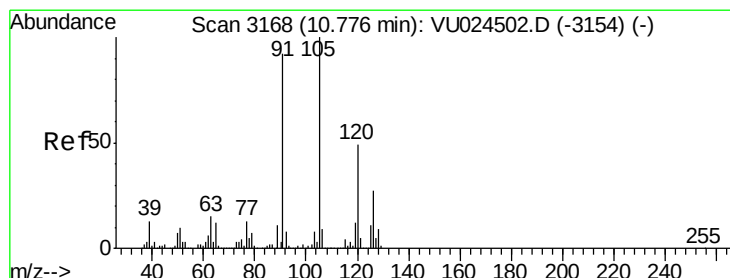
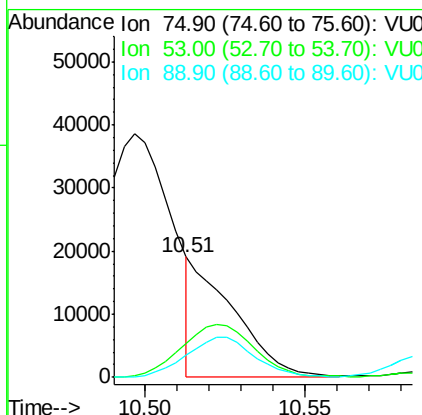
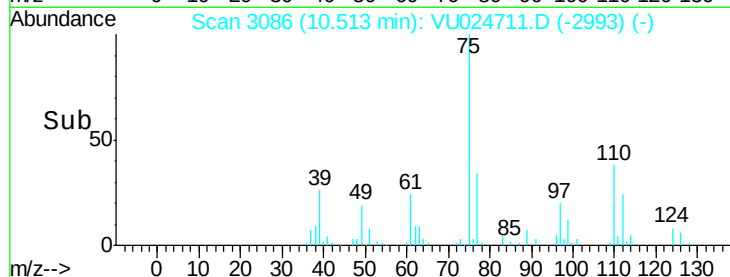
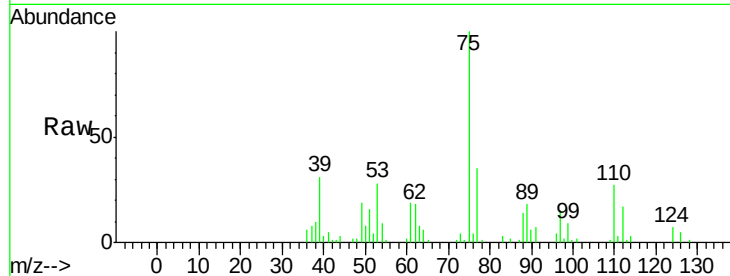
#81
trans-1,4-Dichloro-2-butene
Concen: 14.56 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampled :
VU0618WBS02

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

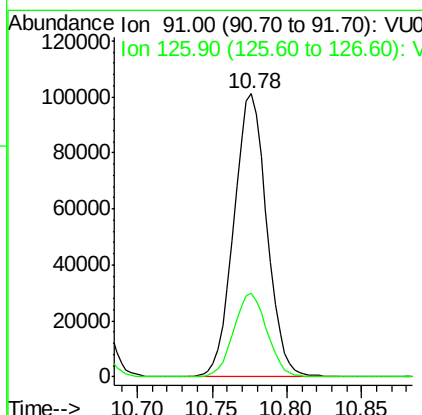
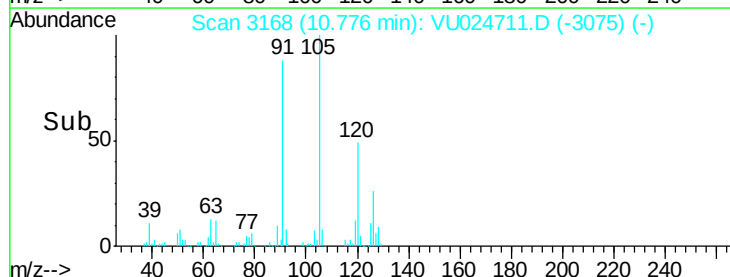
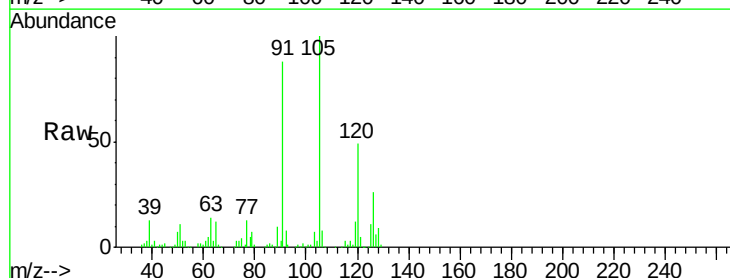
Manual Integrations
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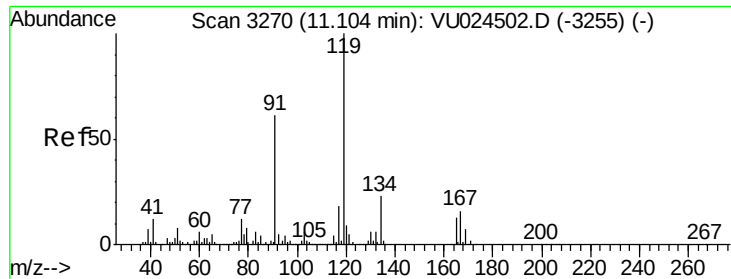
MMDadoda
6/19/2018 1:55:07 PM



#82
4-Chlorotoluene
Concen: 19.38 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9





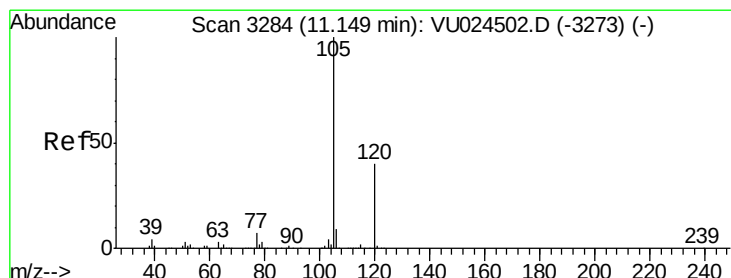
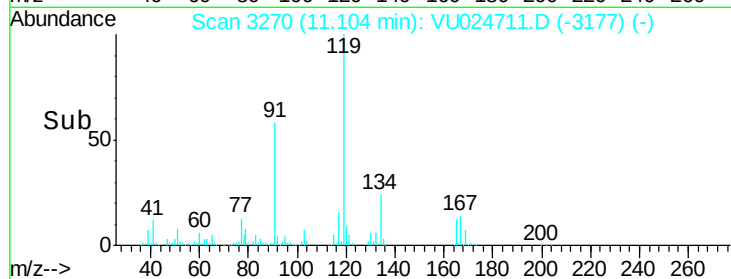
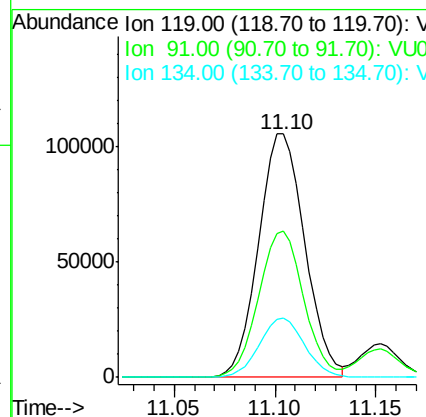
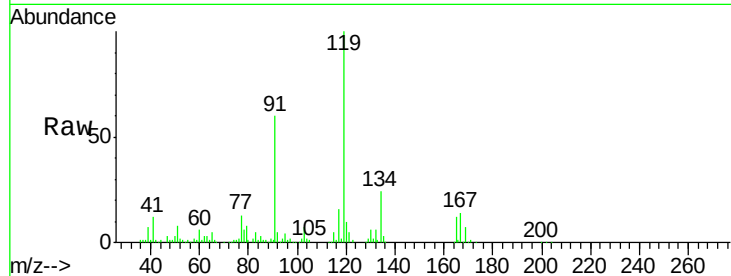
#83
 tert-Butylbenzene
 Concen: 20.60 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169013		
91	58.8	29.7	89.1	
134	23.7	11.6	34.7	

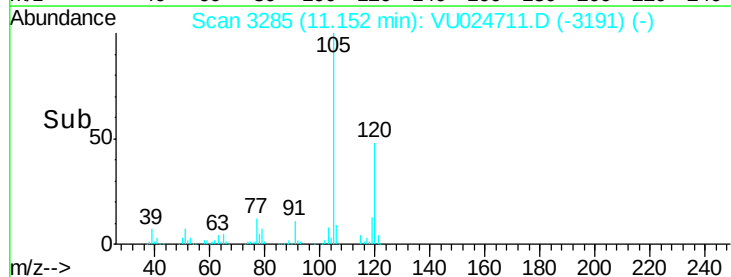
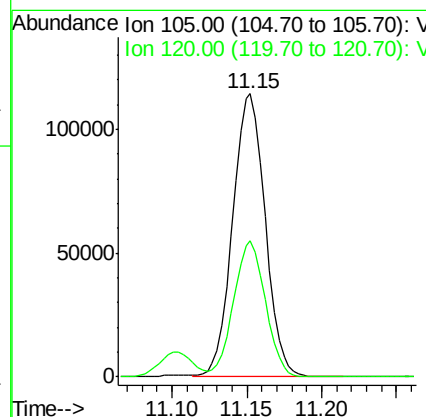
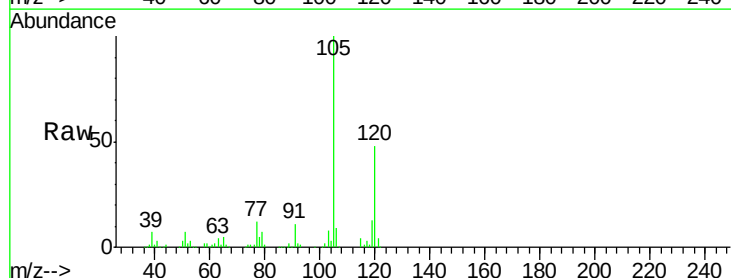
Manual Integrations
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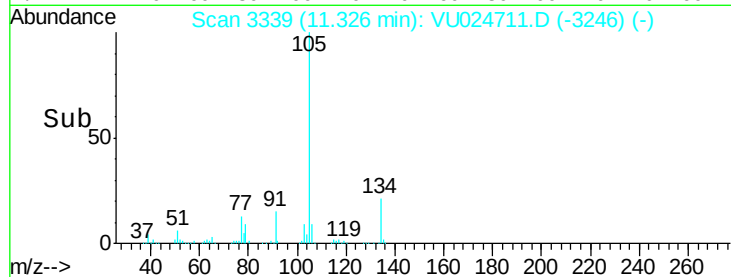
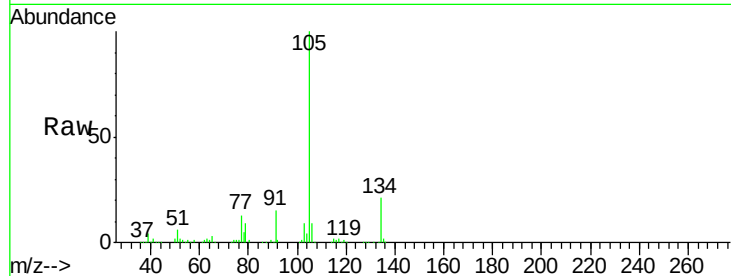
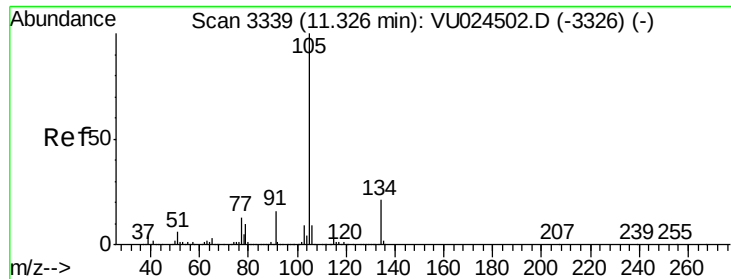
MMDadoda
 6/19/2018 1:55:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.80 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	172112		
120	47.4	22.6	67.8	





#85

sec-Butylbenzene

Concen: 19.40 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tot Ion:105 Resp: 199214

Ion Ratio Lower Upper

105 100

134 20.6 9.7 29.1

Instrument :

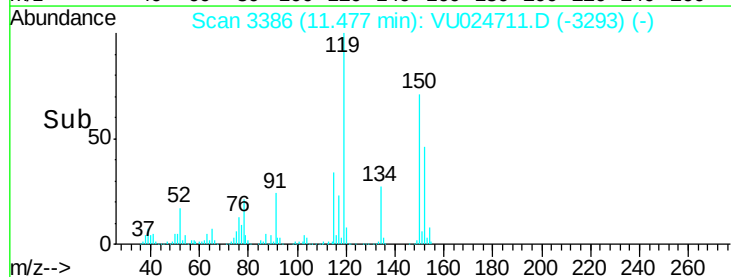
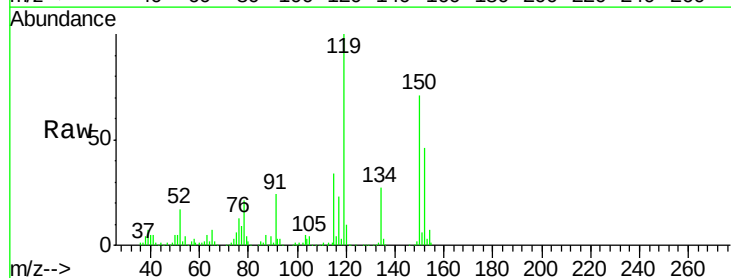
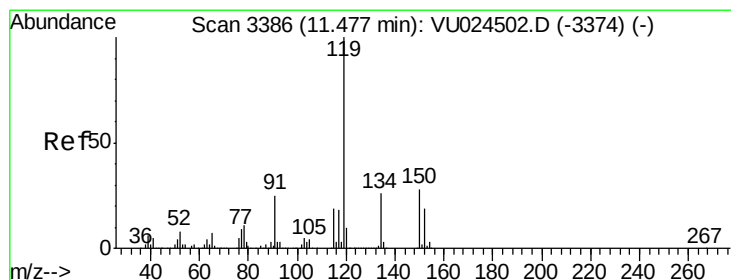
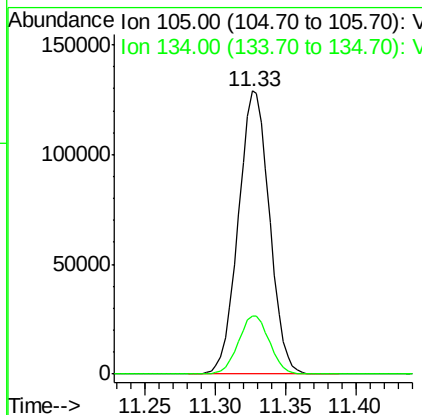
MSVOA_U

ClientSampled :

VU0618WBS02

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.81 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

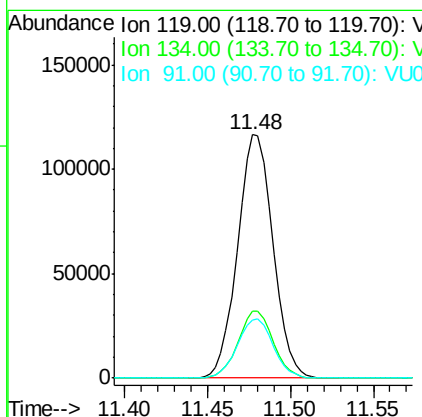
Tgt Ion:119 Resp: 173015

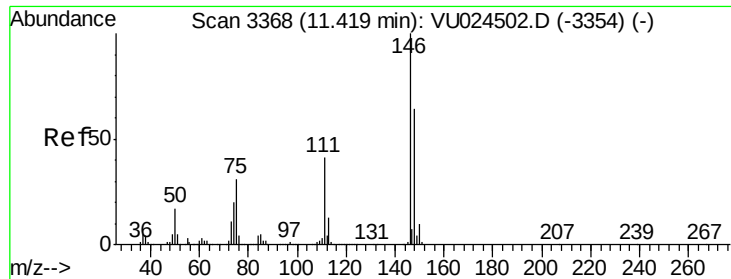
Ion Ratio Lower Upper

119 100

134 27.2 12.9 38.6

91 24.7 12.0 36.1





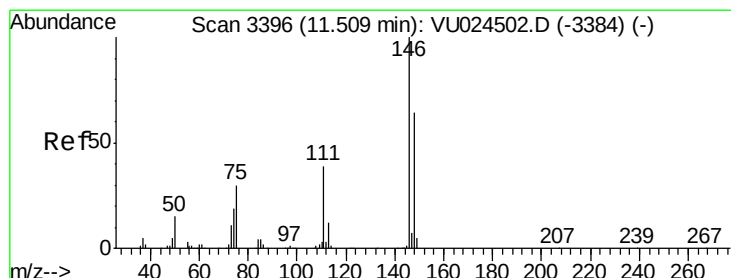
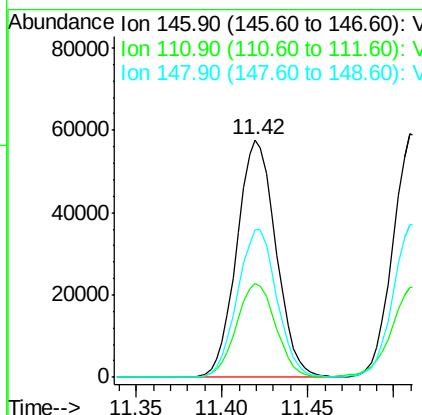
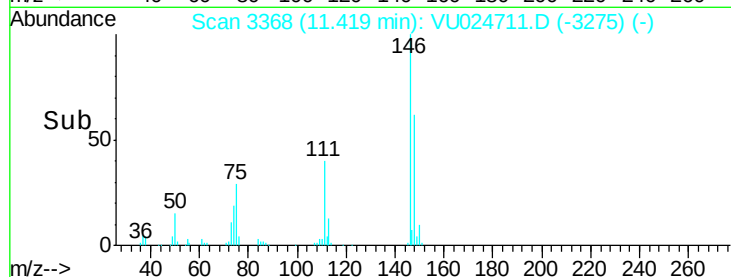
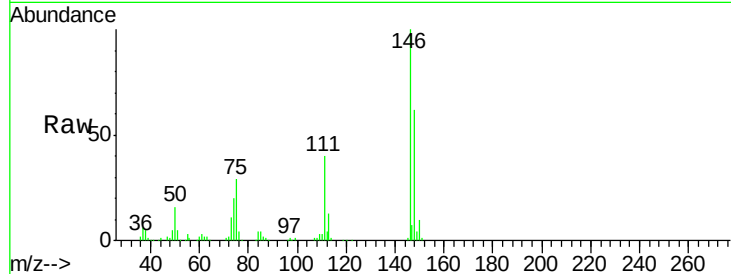
#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	62.7	32.1	96.5

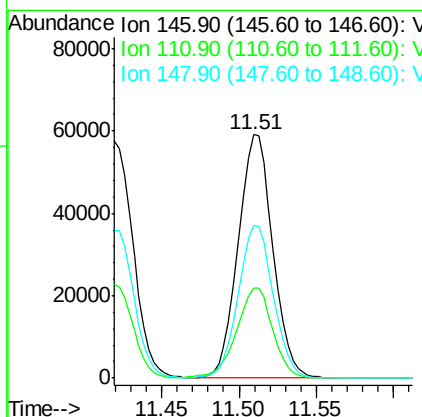
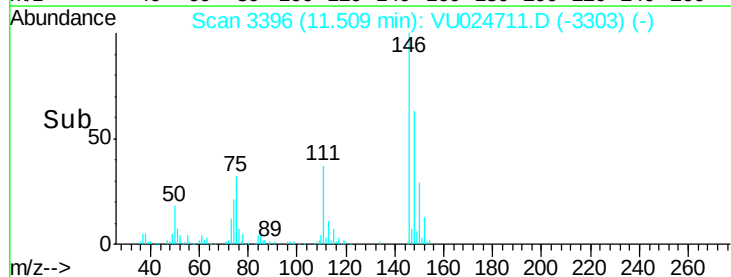
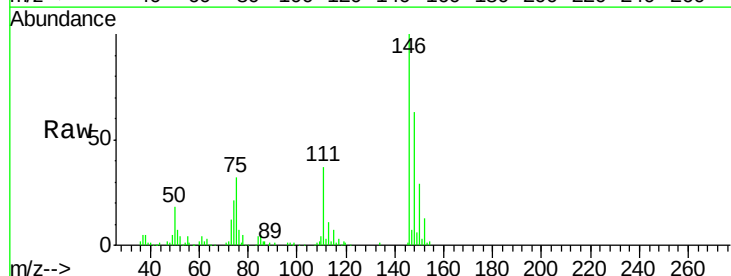
Manual Integrations
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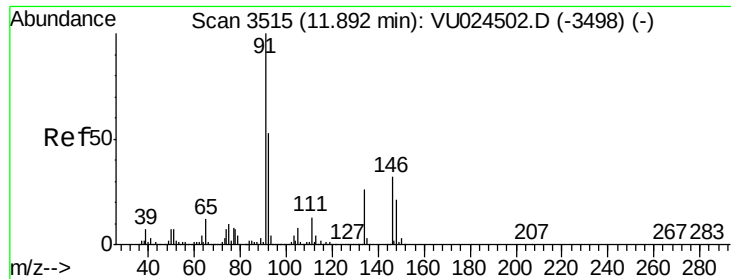
MMDadoda
 6/19/2018 1:55:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	63.6	32.4	97.0





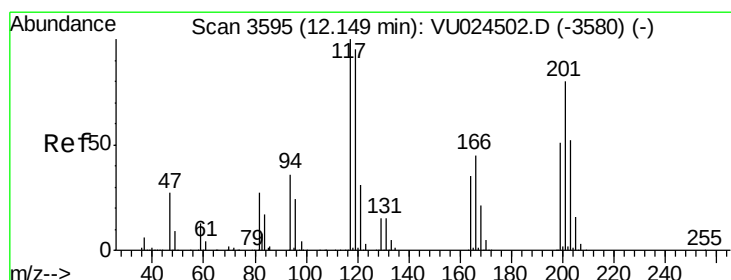
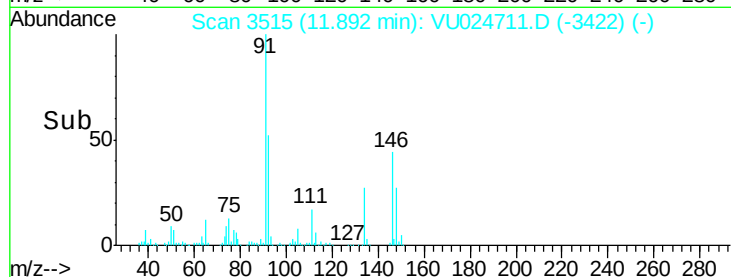
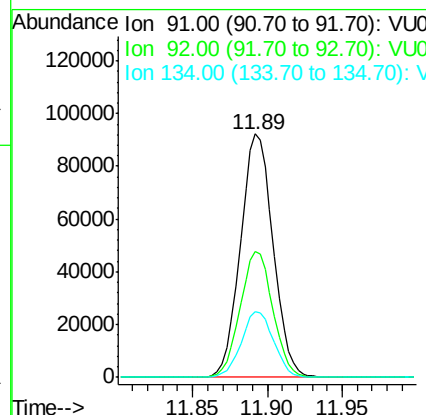
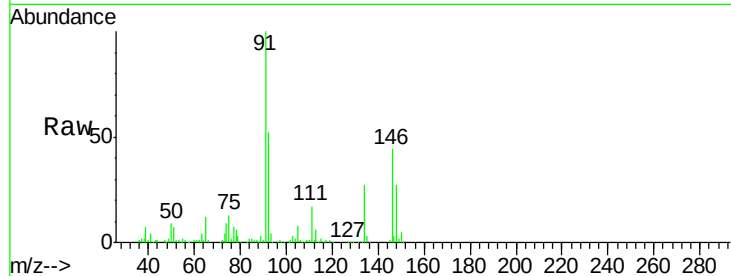
#89
n-Butylbenzene
Concen: 17.17 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.6	76.8
134	26.7	12.3	36.8

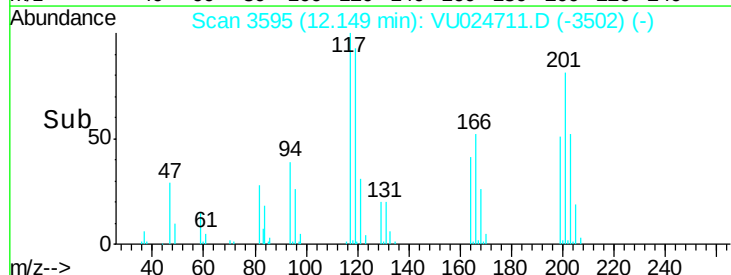
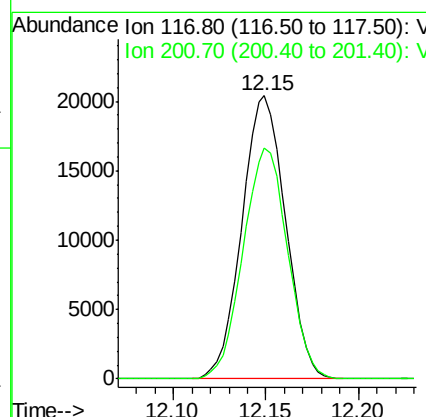
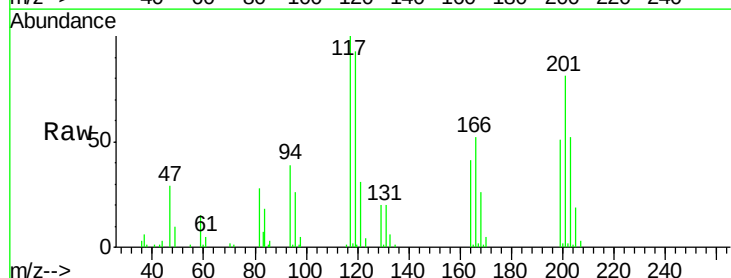
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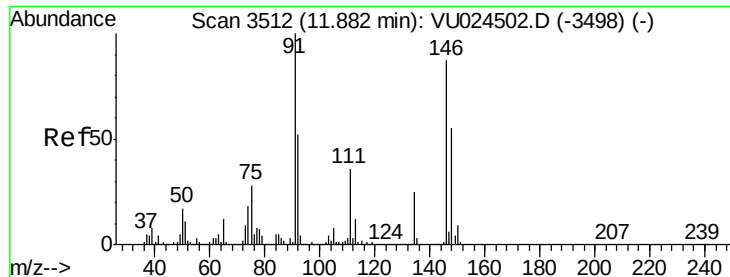
MMDadoda
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#90
Hexachloroethane
Concen: 18.55 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.1	123.3





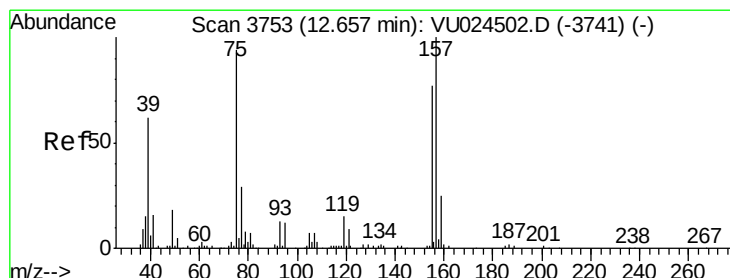
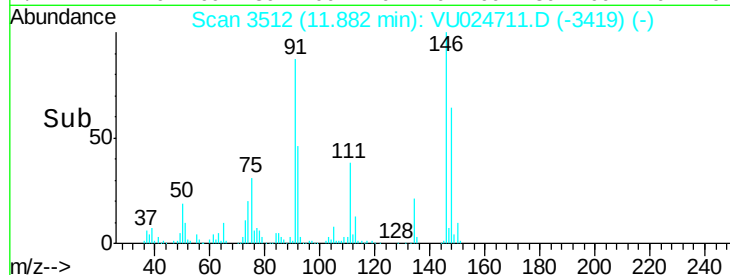
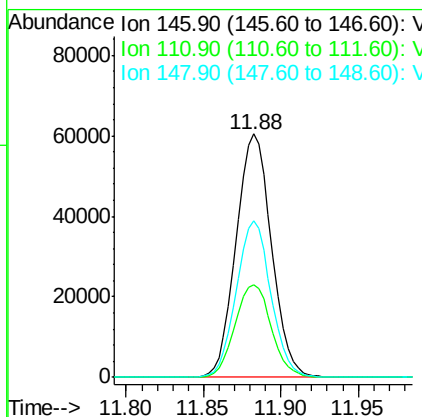
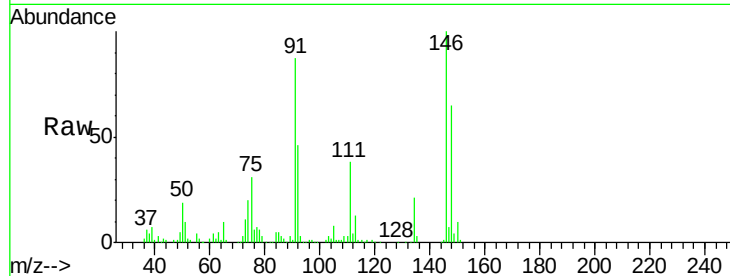
#91
 1,2-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.5	61.6
148	62.9	31.9	95.7

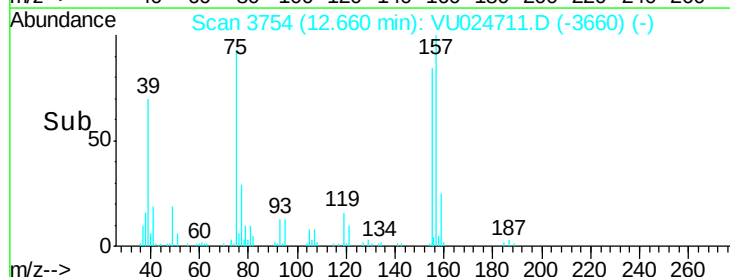
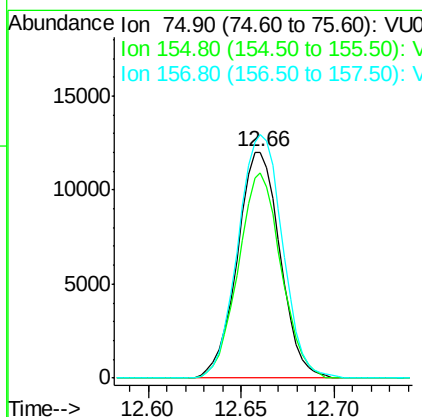
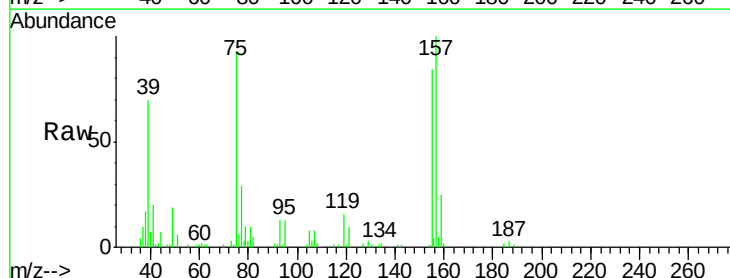
Manual Integrations
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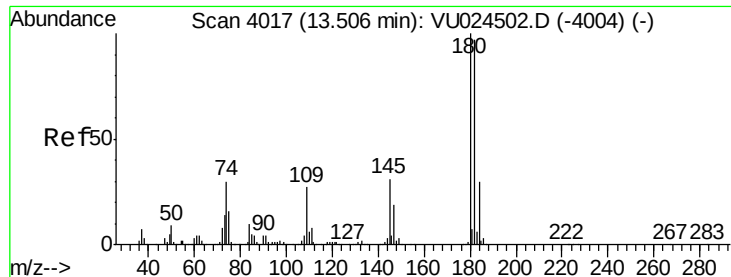
MMDadoda
 6/19/2018 1:55:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.10 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	40.4	121.2
157	111.8	52.3	156.8





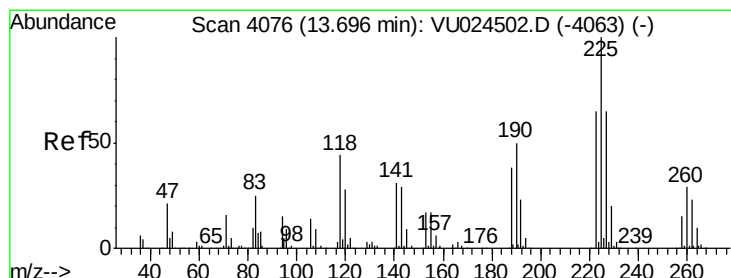
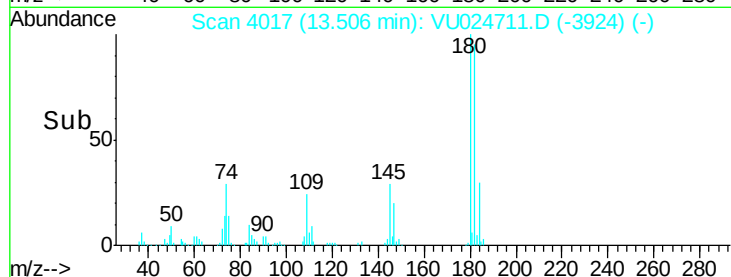
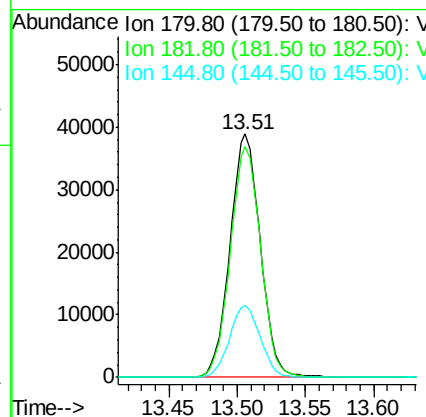
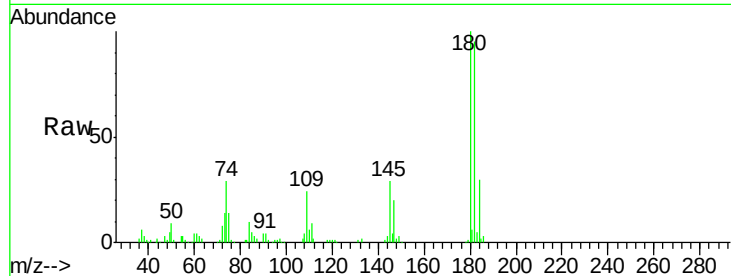
#93
 1,2,4-Trichlorobenzene
 Concen: 21.08 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60006		
182	94.9	48.0	144.2	
145	29.9	14.7	44.1	

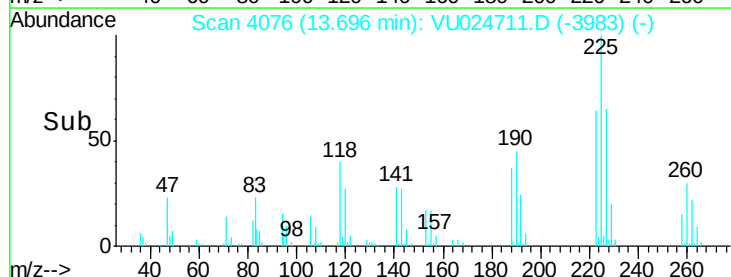
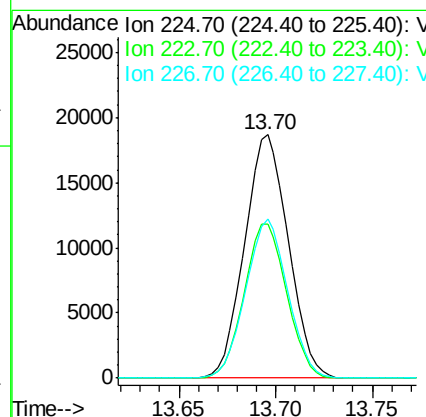
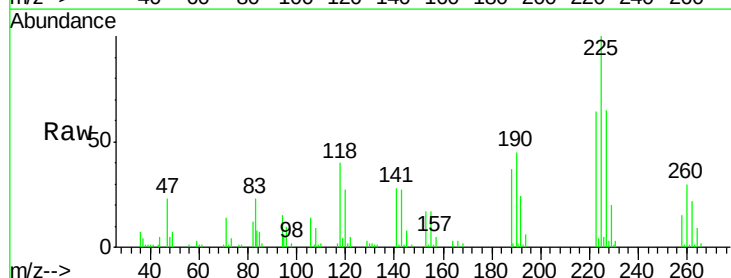
Manual Integrations
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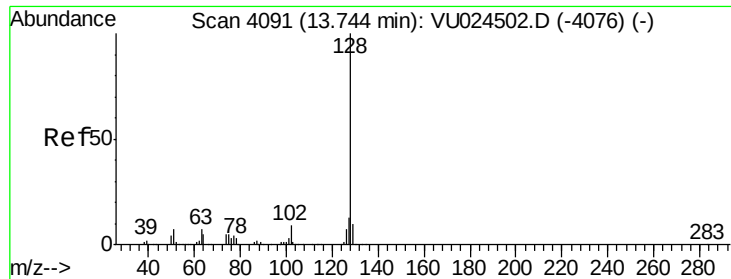
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 18.41 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29499		
223	61.3	31.3	93.8	
227	62.6	31.8	95.4	





#95

Naphthalene

Concen: 23.99 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

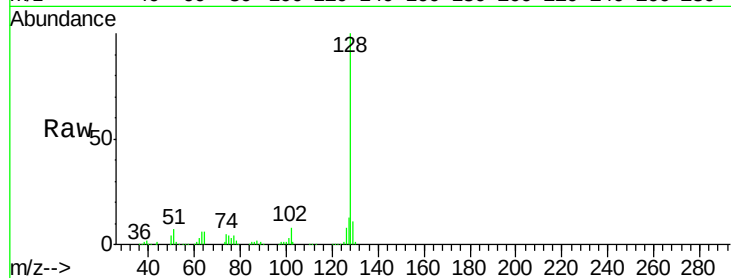
ClientSampleId :

VU0618WBS02

Tot Ion:	128	Resp:	222721
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

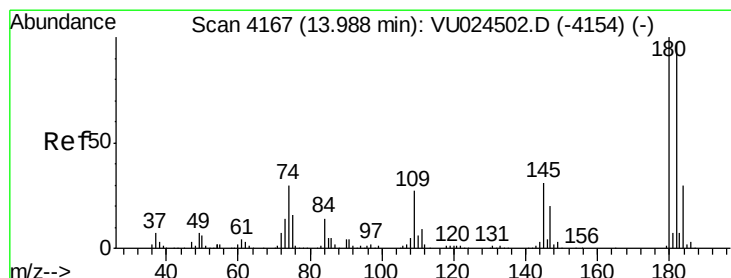
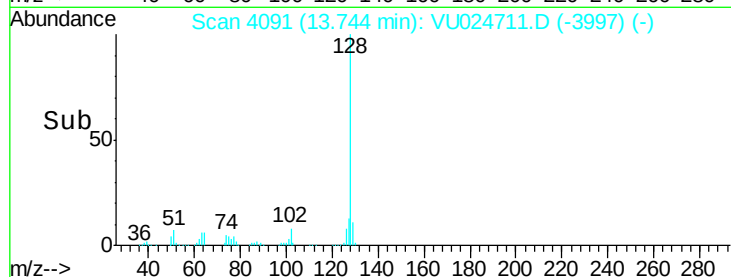
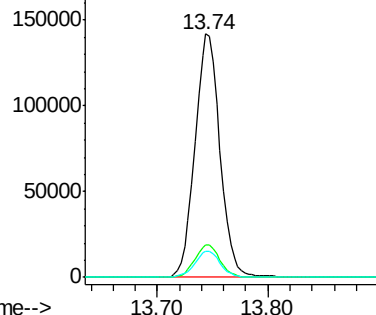
MMDadoda
6/19/2018 1:55:07 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.48 ug/l

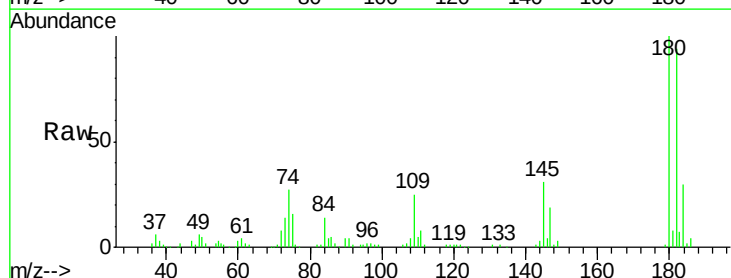
RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion:	180	Resp:	66609
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	30.5	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

