

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024712.D
 Acq On : 19 Jun 2018 00:18
 Operator : MD/SY
 Sample : VU0618WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Manual Integrations
 APPROVED

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 6/19/2018 1:55:08 PM

Quant Time: Jun 19 07:49:49 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	155936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248743	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	129560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	122602	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.89	113	104587	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	7.57	98	376483	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	10.31	95	139704	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31894	16.34	ug/l	98
3) Chloromethane	1.33	50	38935	19.53	ug/l	99
4) Vinyl Chloride	1.40	62	41316	20.09	ug/l	97
5) Bromomethane	1.62	94	25002	25.15	ug/l	97
6) Chloroethane	1.70	64	26314	22.32	ug/l	100
7) Trichlorofluoromethane	1.89	101	64288	20.48	ug/l	99
8) Diethyl Ether	2.10	74	25224	22.59	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35853	18.41	ug/l	97
10) Methyl Iodide	2.41	142	34395	23.95	ug/l	97
11) Tert butyl alcohol	2.82	59	61290	98.99	ug/l	100
12) 1,1-Dichloroethene	2.29	96	33822	19.05	ug/l	89
13) Acrolein	2.19	56	17545	53.96	ug/l	94
14) Allyl chloride	2.60	41	56694	17.20	ug/l	94
15) Acrylonitrile	2.94	53	133579	110.89	ug/l	99
16) Acetone	2.32	43	114196	83.49	ug/l	99
17) Carbon Disulfide	2.48	76	96407	16.96	ug/l	100
18) Methyl Acetate	2.62	43	70160	23.93	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	135372	20.28	ug/l	97
20) Methylene Chloride	2.71	84	43532	20.28	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	37999	19.43	ug/l	94
22) Diisopropyl ether	3.57	45	138263	21.16	ug/l	97
23) Vinyl Acetate	3.53	43	588034	100.45	ug/l	99
24) 1,1-Dichloroethane	3.45	63	75834	20.17	ug/l	98
25) 2-Butanone	4.26	43	190492	103.68	ug/l	95
26) 2,2-Dichloropropane	4.23	77	50549	14.16	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46881	20.85	ug/l	91
28) Bromochloromethane	4.55	49	35633	21.52	ug/l	89
29) Tetrahydrofuran	4.63	42	124489	109.42	ug/l	98
30) Chloroform	4.68	83	77251	20.30	ug/l	98
31) Cyclohexane	5.00	56	68181	19.21	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	67950	19.31	ug/l	96
36) 1,1-Dichloropropene	5.14	75	53152	18.18	ug/l	96
37) Ethyl Acetate	4.38	43	71892	22.57	ug/l	97
38) Carbon Tetrachloride	5.14	117	60990	18.97	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	65779	18.03	ug/l	95
40) Benzene	5.39	78	166400	19.98	ug/l	100
41) Methacrylonitrile	4.54	41	38277	22.28	ug/l	98
42) 1,2-Dichloroethane	5.41	62	60256	19.00	ug/l	99
43) Isopropyl Acetate	5.55	43	112648	20.46	ug/l	98
44) Trichloroethene	6.19	130	46658	19.68	ug/l	92
45) 1,2-Dichloropropane	6.44	63	47152	21.22	ug/l	96
46) Dibromomethane	6.56	93	32884	21.07	ug/l	97
47) Bromodichloromethane	6.76	83	60285	19.39	ug/l	99
48) Methyl methacrylate	6.63	41	56213	20.96	ug/l	99
49) 1,4-Dioxane	6.61	88	24463	466.50	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	375322	108.49	ug/l	98
52) Toluene	7.64	92	104319	19.47	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	64681	18.53	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	67678	18.20	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45342	20.82	ug/l	98
56) Ethyl methacrylate	8.02	69	74926	20.55	ug/l	100
57) 1,3-Dichloropropane	8.25	76	75888	20.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	157779	112.97	ug/l	97
59) 2-Hexanone	8.36	43	295352	104.57	ug/l	100
60) Dibromochloromethane	8.48	129	50681	18.66	ug/l	98
61) 1,2-Dibromoethane	8.59	107	48724	20.10	ug/l	99
64) Tetrachloroethene	8.23	164	41476	18.75	ug/l	97
65) Chlorobenzene	9.12	112	118381	19.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	46203	20.46	ug/l	99
67) Ethyl Benzene	9.25	91	204608	19.63	ug/l	100
68) m/p-Xylenes	9.38	106	158113	39.51	ug/l	95
69) o-Xylene	9.78	106	79601	20.10	ug/l	95
70) Styrene	9.80	104	128442	19.73	ug/l	99
71) Bromoform	9.96	173	41333	19.25	ug/l #	97
73) Isopropylbenzene	10.17	105	208714	20.98	ug/l	99
74) N-amyl acetate	10.01	43	104490	22.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	76989	23.10	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	66597m	23.35	ug/l	
77) Bromobenzene	10.46	156	53612	21.29	ug/l	94
78) n-propylbenzene	10.59	91	232173	19.81	ug/l	97
79) 2-Chlorotoluene	10.66	91	140456	20.33	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	176429	20.46	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	23146m	18.78	ug/l	
82) 4-Chlorotoluene	10.78	91	161474	20.08	ug/l	98
83) tert-Butylbenzene	11.10	119	175475	21.16	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	182589	20.78	ug/l	100
85) sec-Butylbenzene	11.33	105	212218	20.44	ug/l	98
86) p-Isopropyltoluene	11.48	119	185796	19.98	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	95965	20.63	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	96430	20.59	ug/l	99
89) n-Butylbenzene	11.89	91	151595	18.37	ug/l	98
90) Hexachloroethane	12.15	117	34493	19.02	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	98974	21.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19203	20.88	ug/l	91

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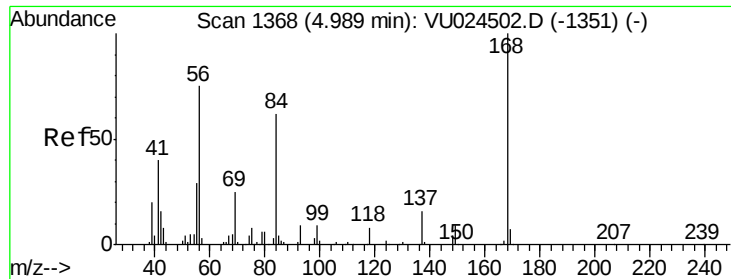
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	63680	22.13	ug/l	99
94) Hexachlorobutadiene	13.70	225	31814	19.64	ug/l	99
95) Naphthalene	13.75	128	229166	24.41	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	68696	23.96	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: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion:168 Resp: 155936

Ion Ratio Lower Upper

168 100

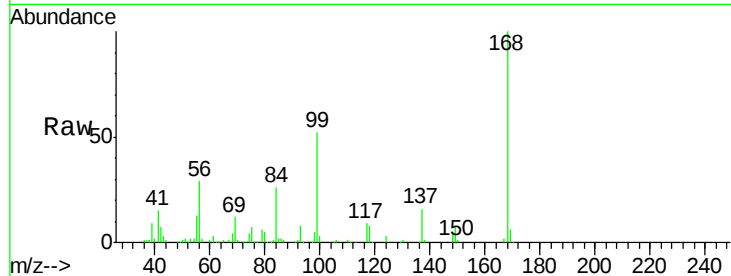
99 51.2 43.2 64.8

Manual Integrations

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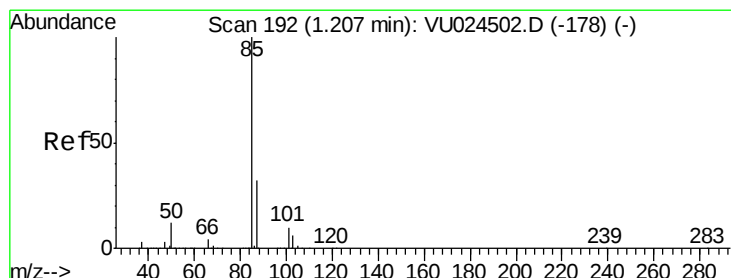
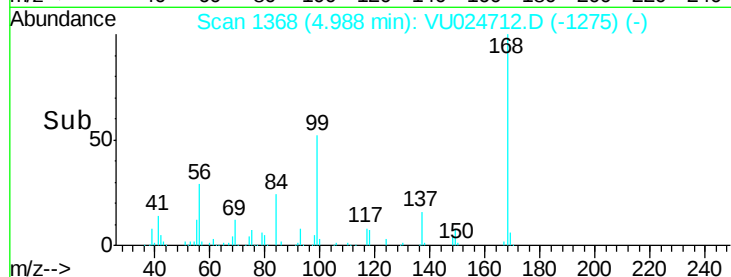
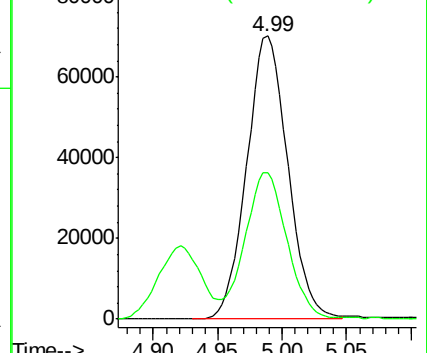
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 16.34 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024712.D

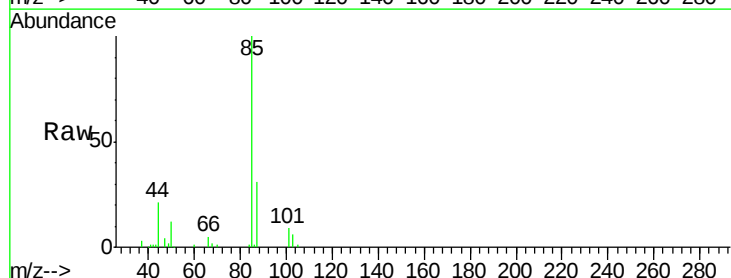
Acq: 19 Jun 2018 00:18

Tgt Ion: 85 Resp: 31894

Ion Ratio Lower Upper

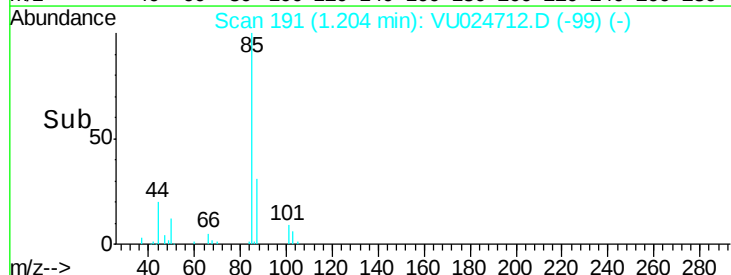
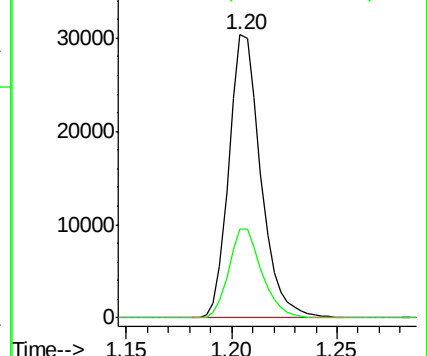
85 100

87 31.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 19.53 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 50 Resp: 38935

Ion Ratio Lower Upper

50 100

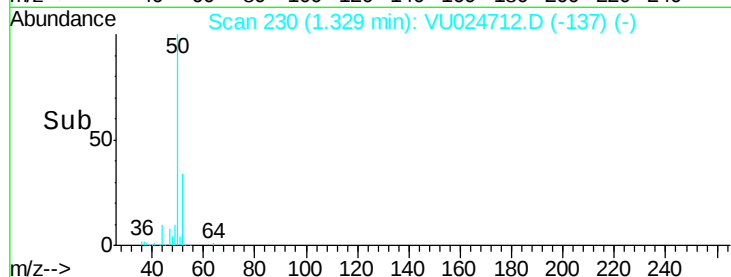
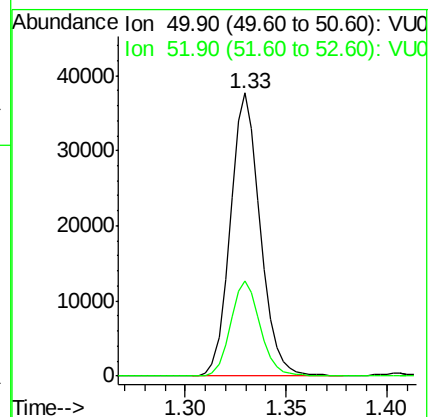
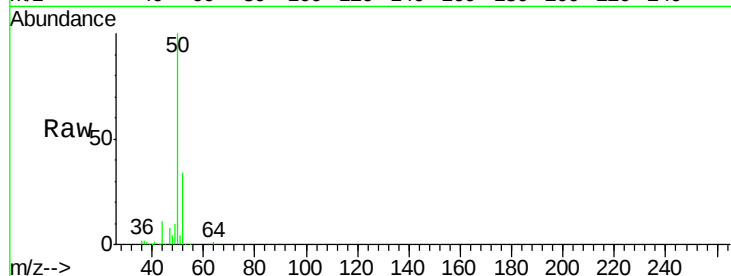
52 33.5 26.4 39.6

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#4

Vinyl Chloride

Concen: 20.09 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024712.D

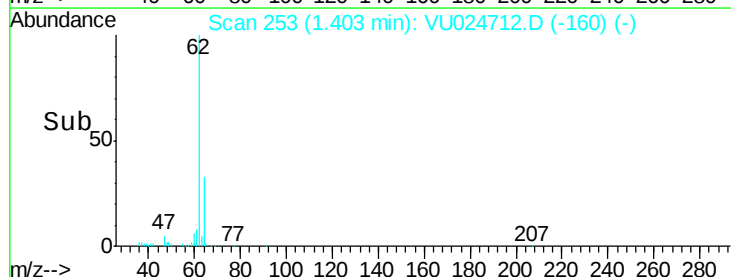
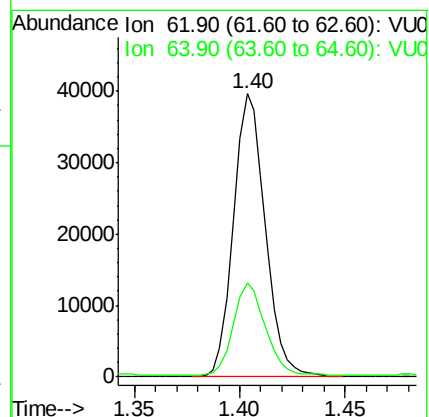
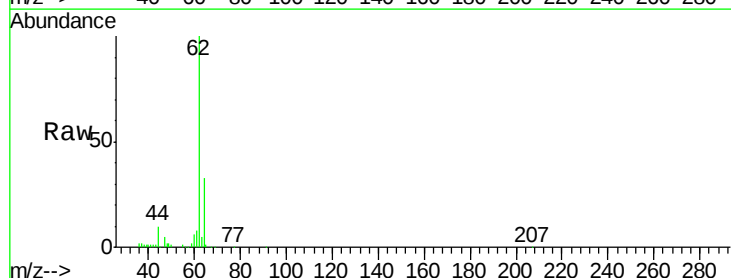
Acq: 19 Jun 2018 00:18

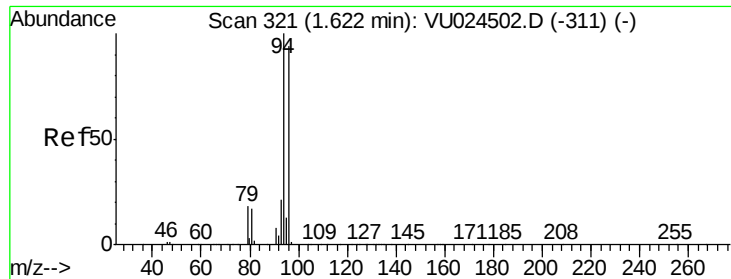
Tgt Ion: 62 Resp: 41316

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2





#5

Bromomethane

Concen: 25.15 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 94 Resp: 25002

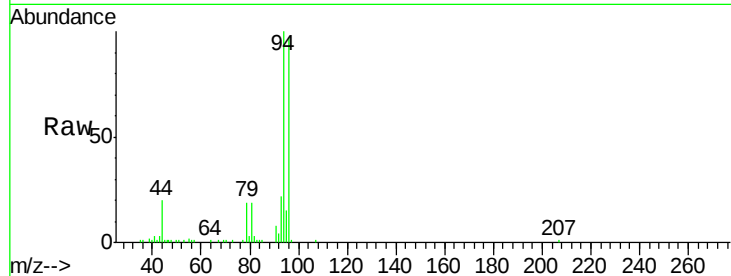
Ion Ratio Lower Upper

94 100

96 96.2 74.5 111.7

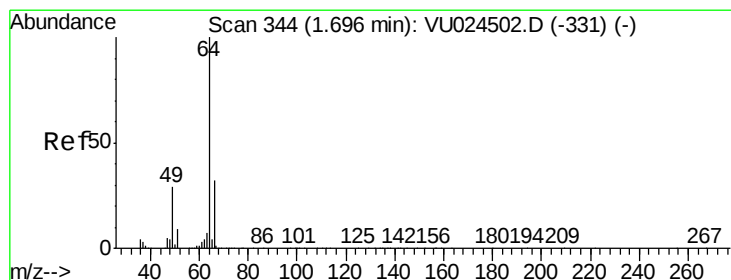
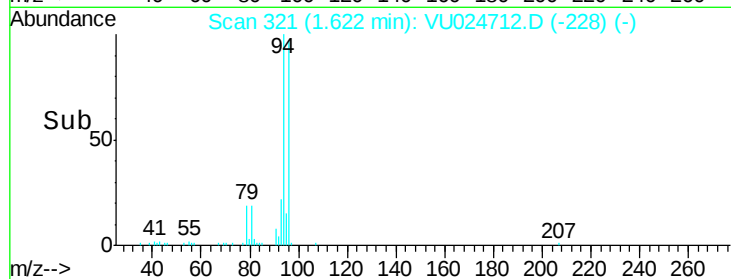
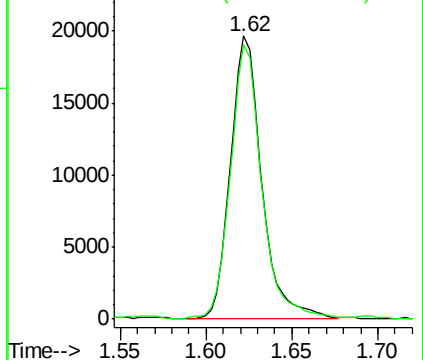
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 22.32 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024712.D

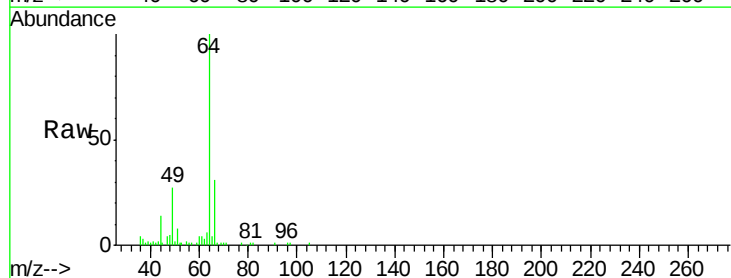
Acq: 19 Jun 2018 00:18

Tgt Ion: 64 Resp: 26314

Ion Ratio Lower Upper

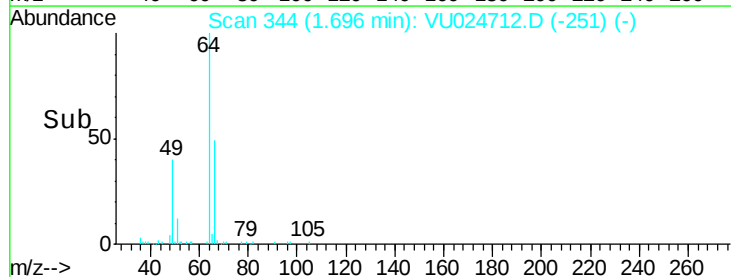
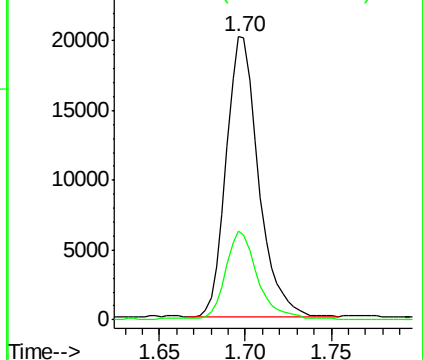
64 100

66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

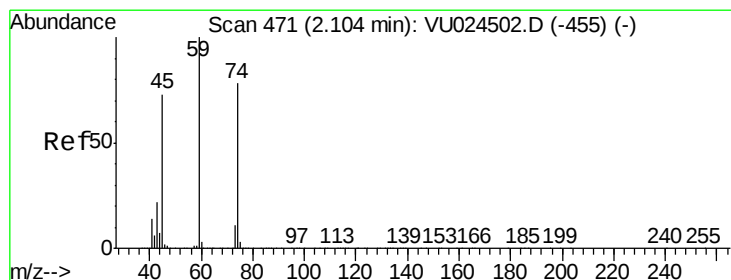
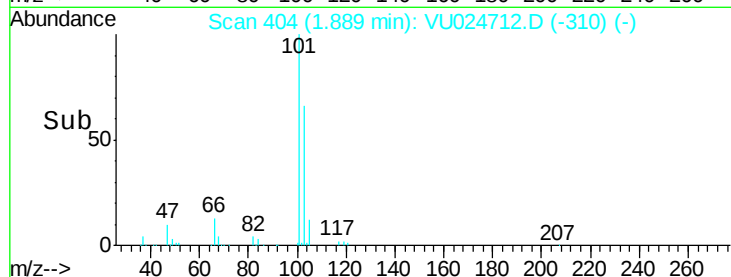
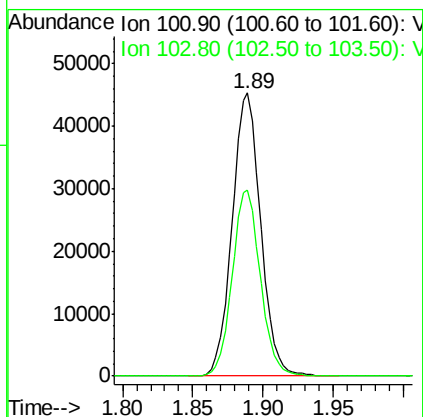
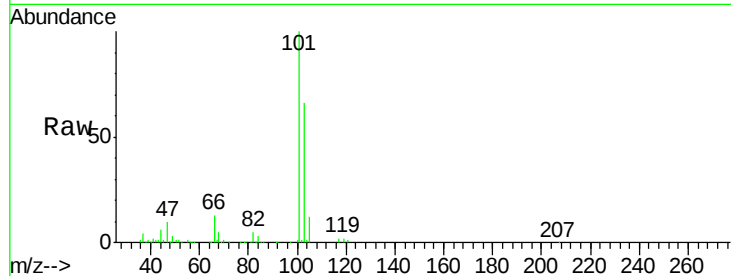
Trichlorofluoromethane
Concen: 20.48 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
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ClientSampleId :
VU0618WBS03

Tot Ion:101 Resp: 64288
Ion Ratio Lower Upper
101 100
103 65.8 52.3 78.5

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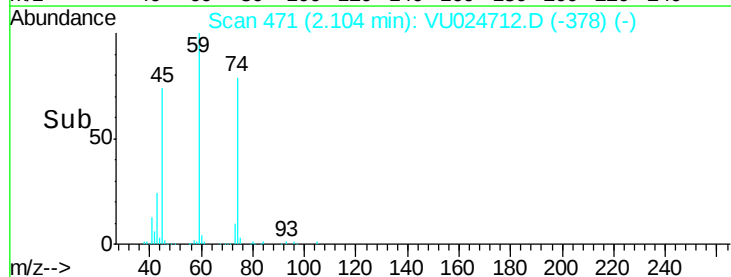
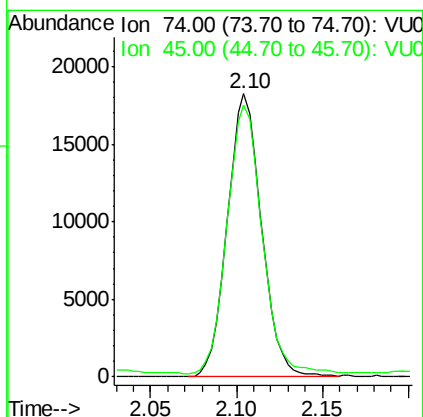
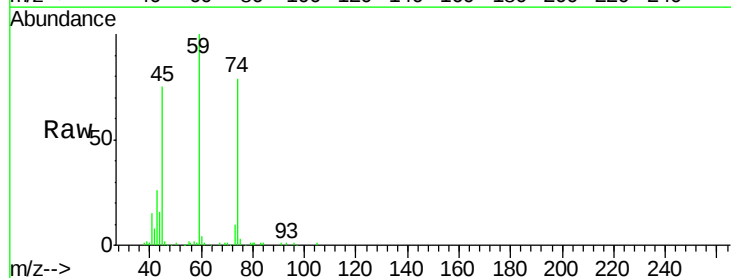
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#8

Diethyl Ether
Concen: 22.59 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion: 74 Resp: 25224
Ion Ratio Lower Upper
74 100
45 97.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.41 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

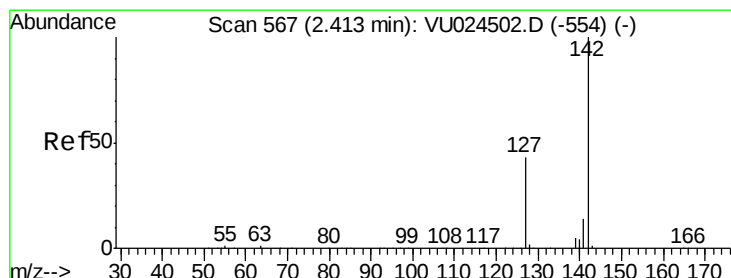
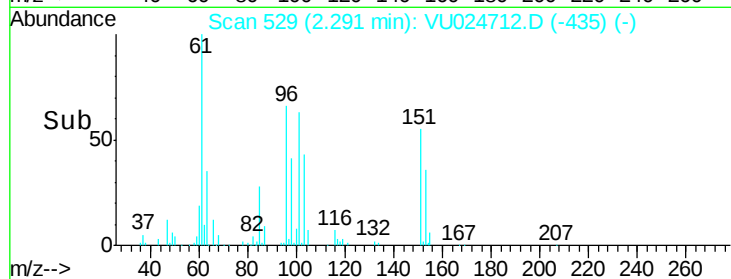
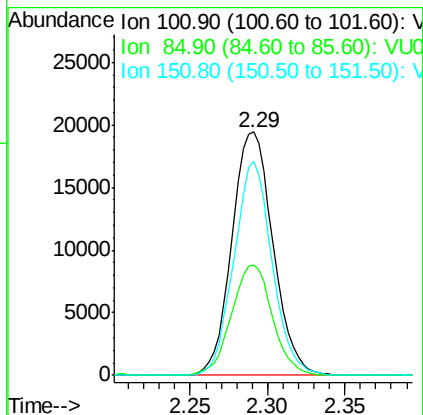
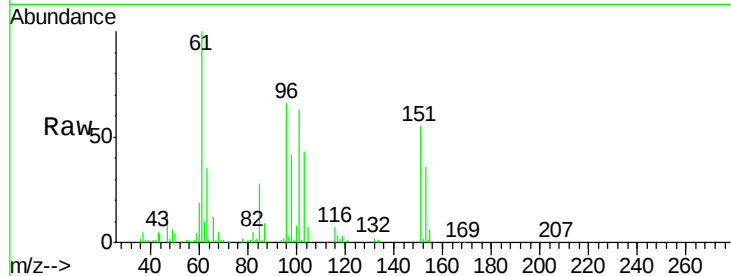
ClientSampleId :

VU0618WBS03

Tot Ion:	101	Resp:	35853
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	81.8	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 23.95 ug/l

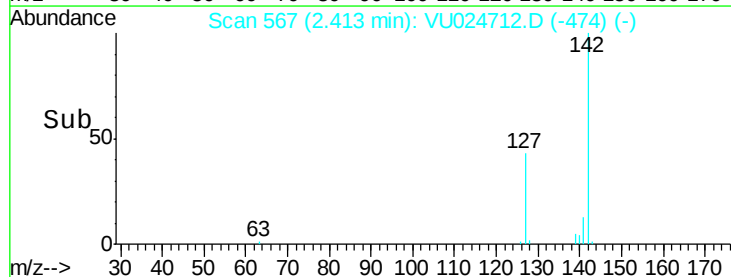
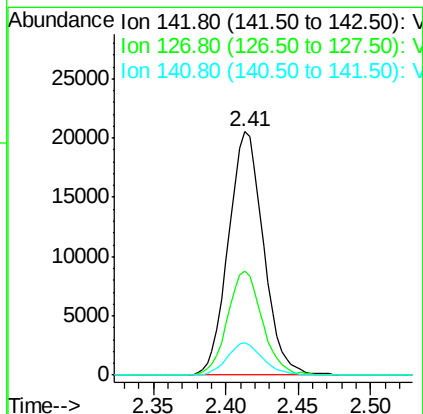
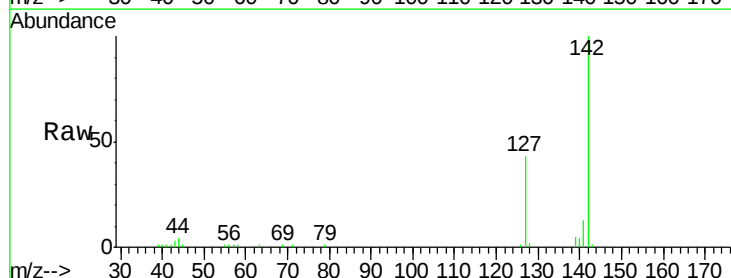
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	142	Resp:	34395
Ion Ratio	Lower	Upper	
142	100		
127	42.3	35.6	53.4
141	13.4	11.7	17.5





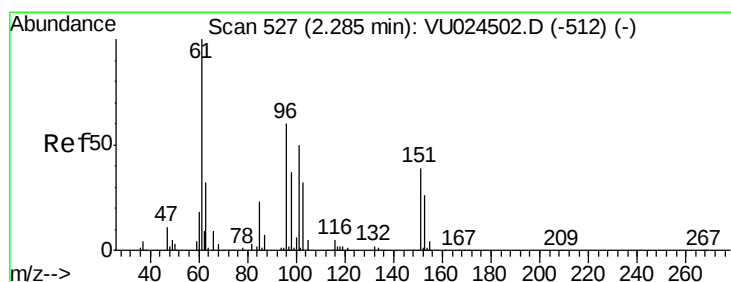
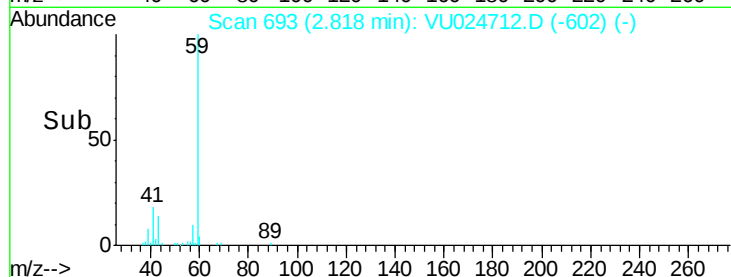
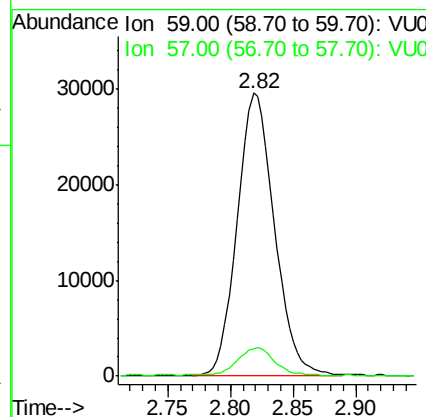
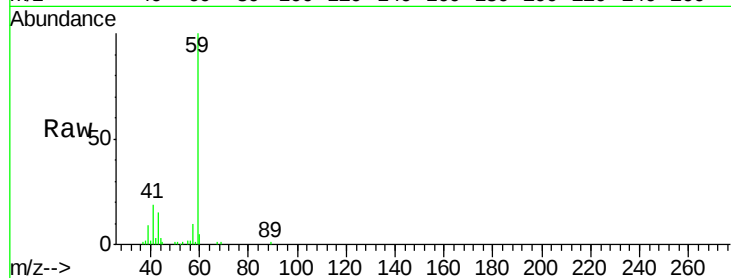
#11
Tert butyl alcohol
Concen: 98.99 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

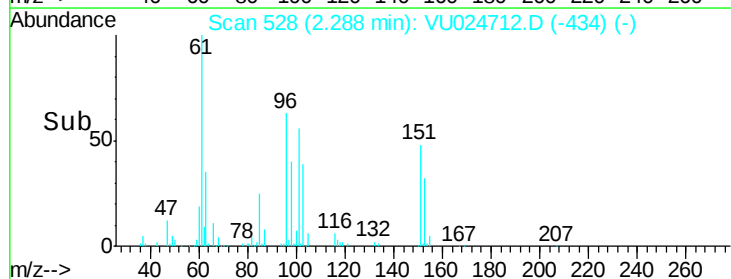
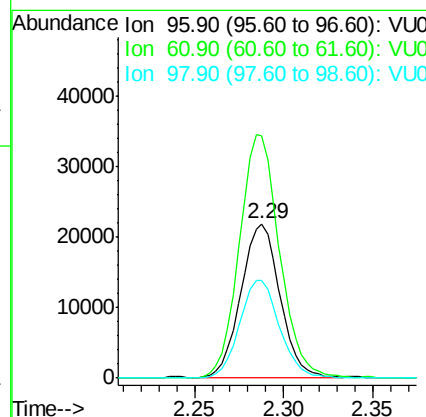
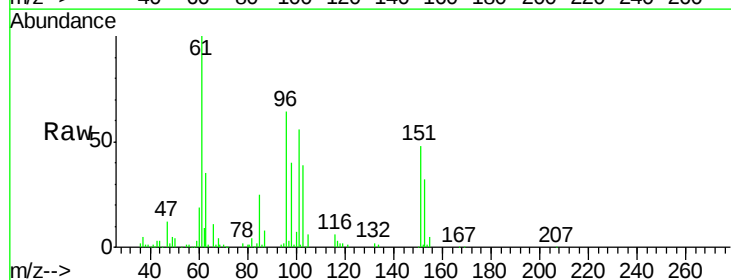
Manual Integrations
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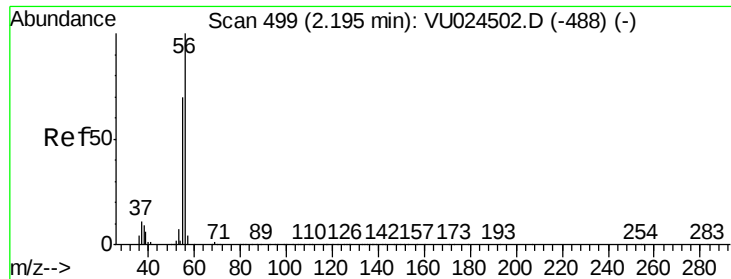
MMDadoda
6/19/2018 1:55:08 PM



#12
1,1-Dichloroethene
Concen: 19.05 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	141.7	212.5
98	63.2	51.6	77.4





#13

Acrolein

Concen: 53.96 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 56 Resp: 17545

Ion Ratio Lower Upper

56 100

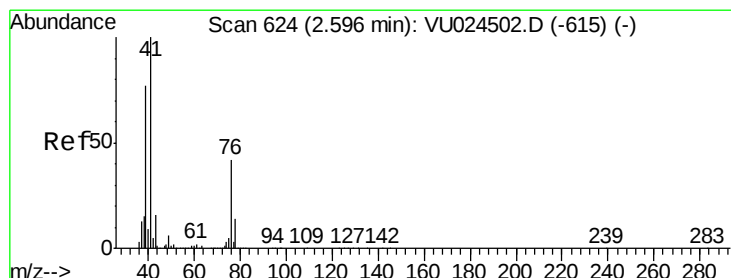
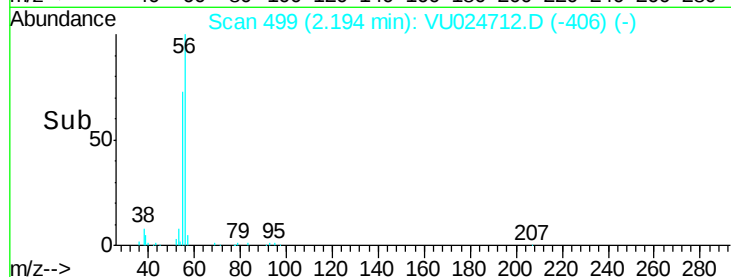
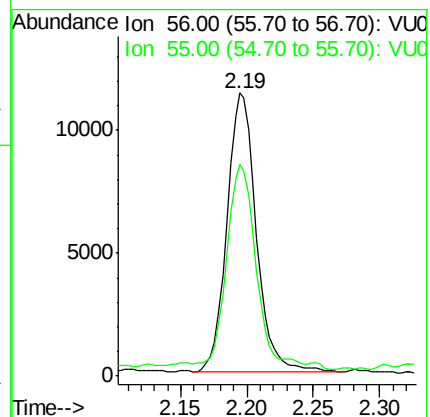
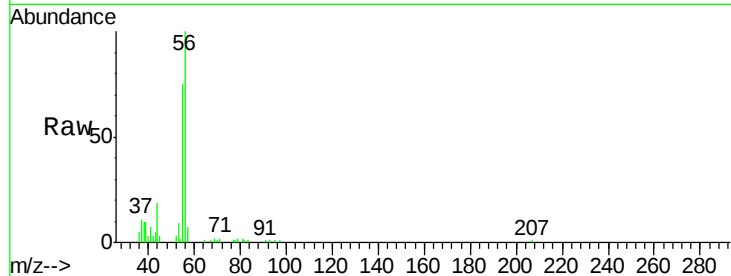
55 68.1 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.20 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

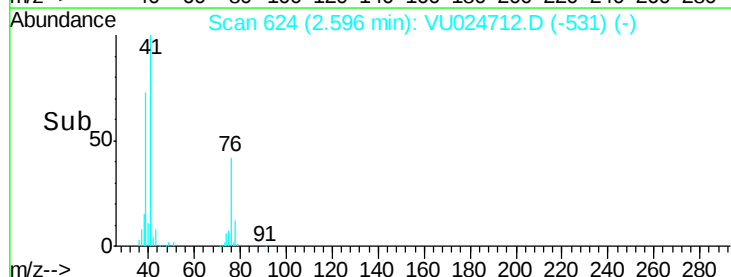
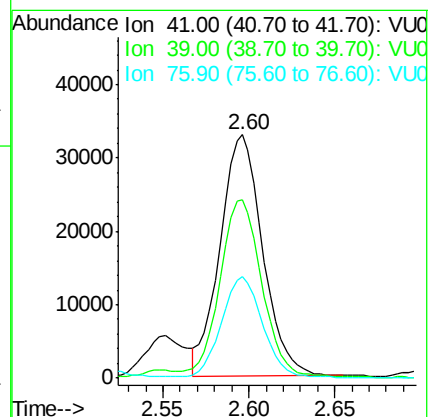
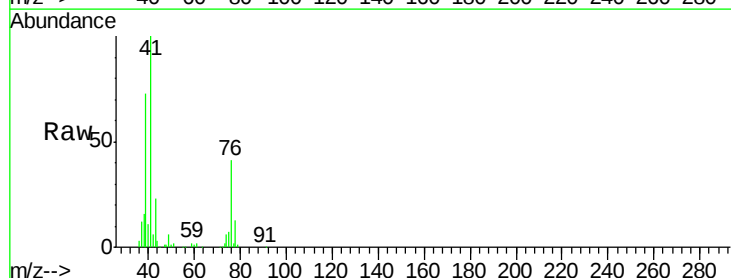
Tgt Ion: 41 Resp: 56694

Ion Ratio Lower Upper

41 100

39 72.0 61.6 92.4

76 41.0 29.7 44.5





#15

Acrylonitrile

Concen: 110.89 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

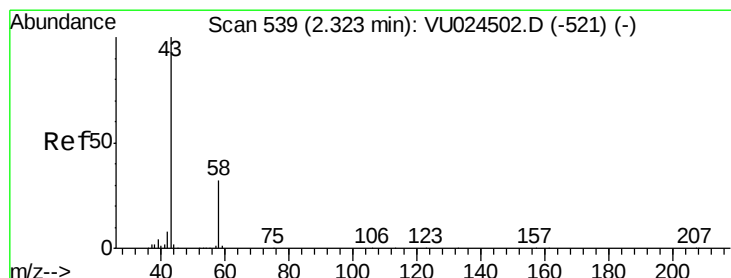
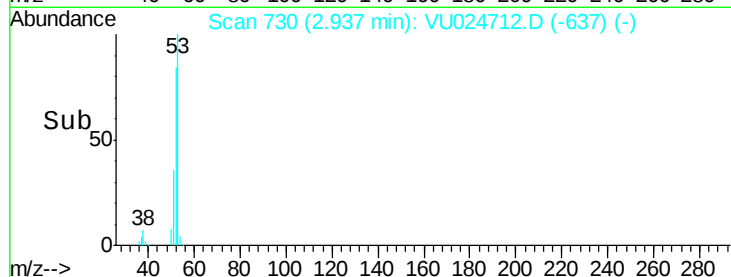
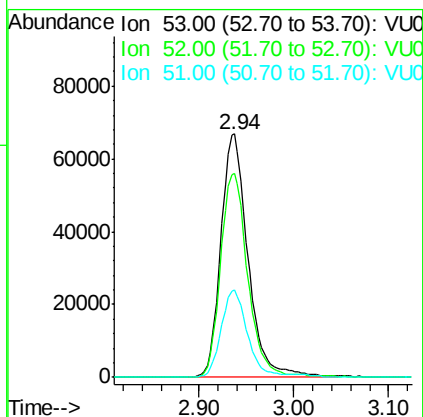
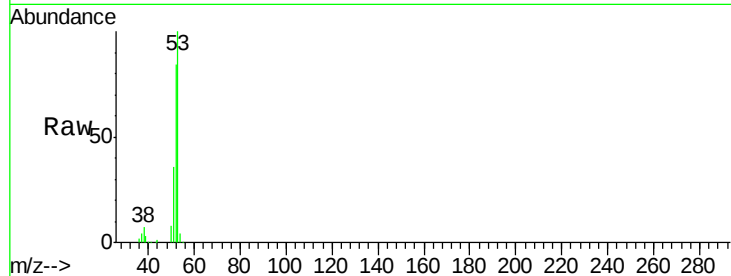
ClientSampleId :

VU0618WBS03

Tot Ion:	53	Resp:	133579
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.1	100.7
51	34.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 83.49 ug/l

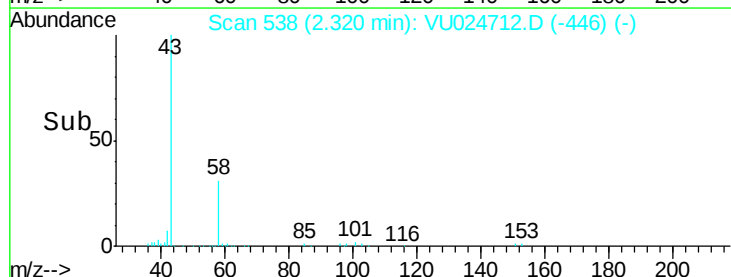
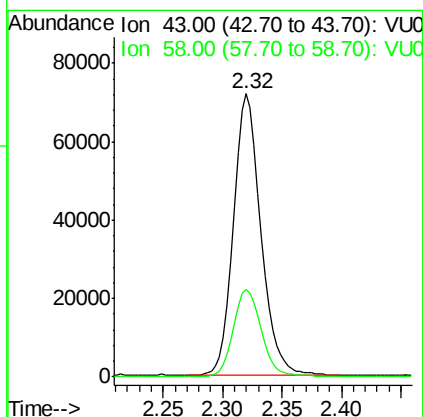
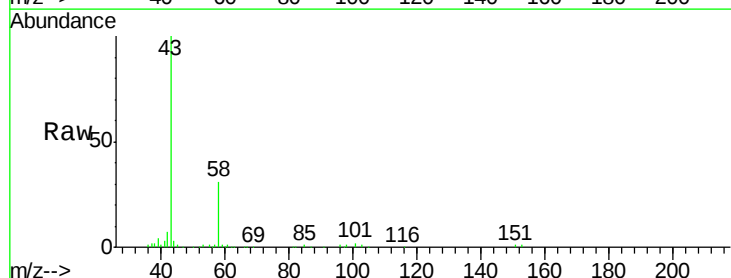
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	43	Resp:	114196
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6





#17

Carbon Disulfide

Concen: 16.96 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 76 Resp: 96407

Ion Ratio Lower Upper

76 100

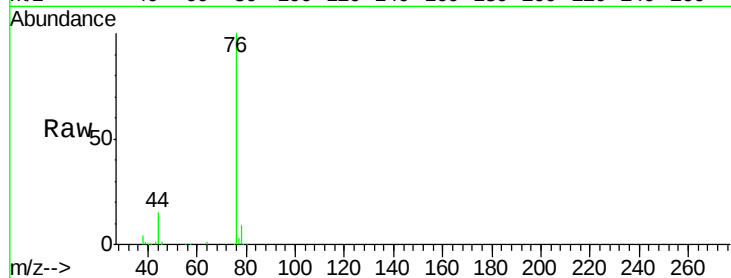
78 9.0 7.1 10.7

Manual Integrations

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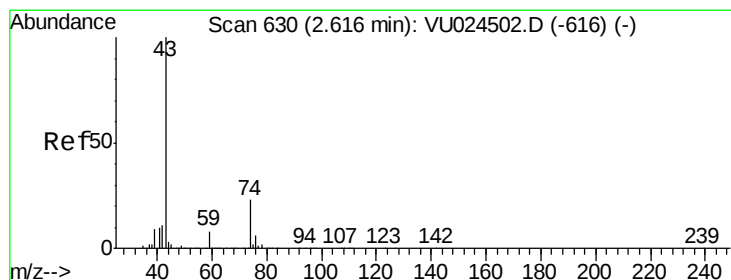
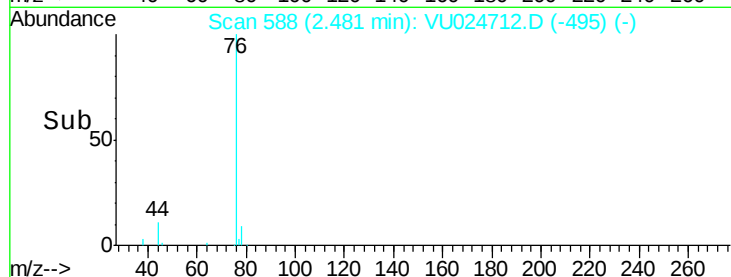
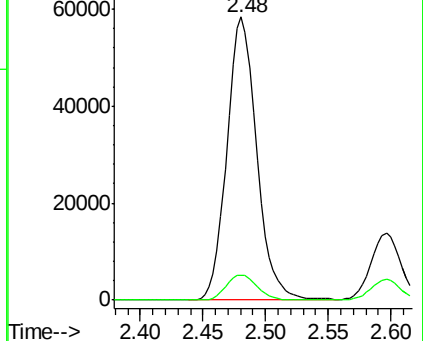
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.93 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024712.D

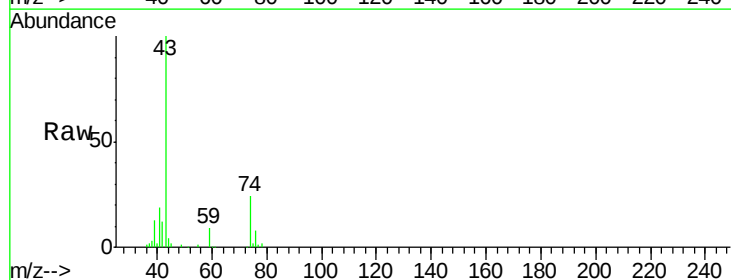
Acq: 19 Jun 2018 00:18

Tgt Ion: 43 Resp: 70160

Ion Ratio Lower Upper

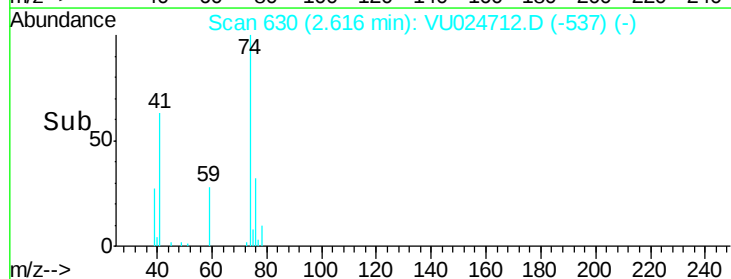
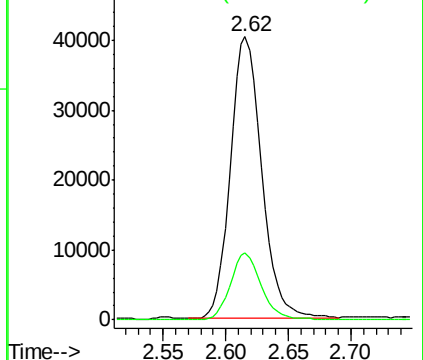
43 100

74 23.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





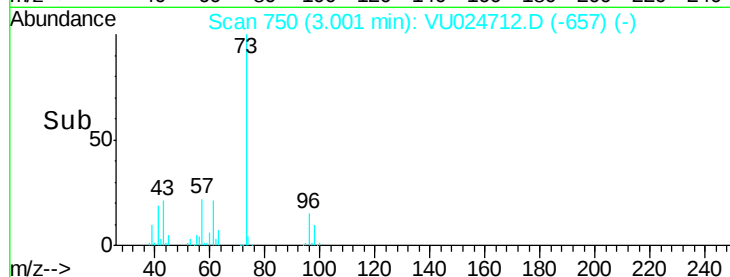
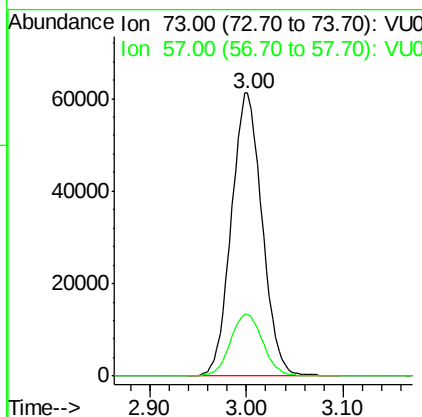
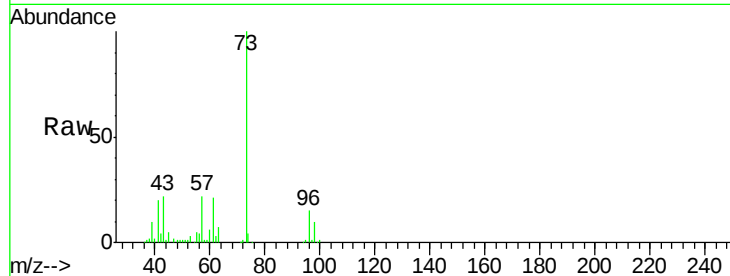
#19
Methvl tert-butvl Ether
Concen: 20.28 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.8	28.2

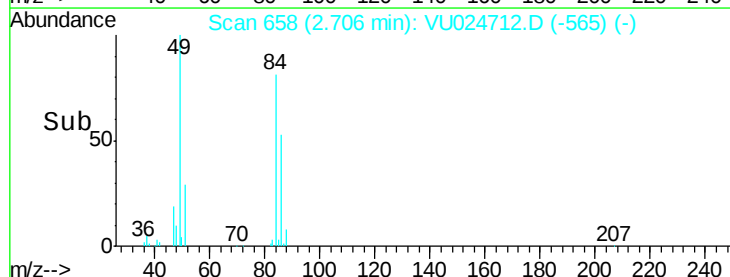
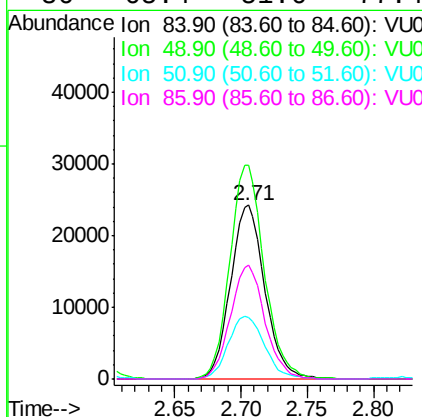
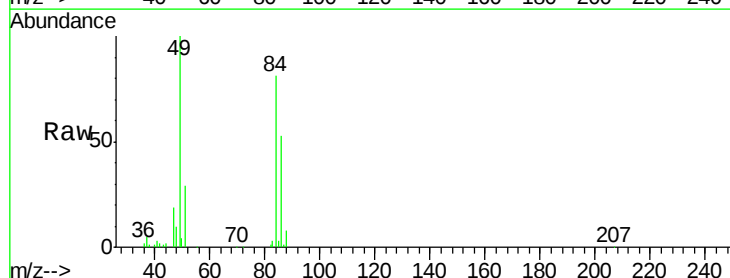
Manual Integrations
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#20
Methylene Chloride
Concen: 20.28 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	103.8	155.8
51	35.3	32.0	48.0
86	65.4	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

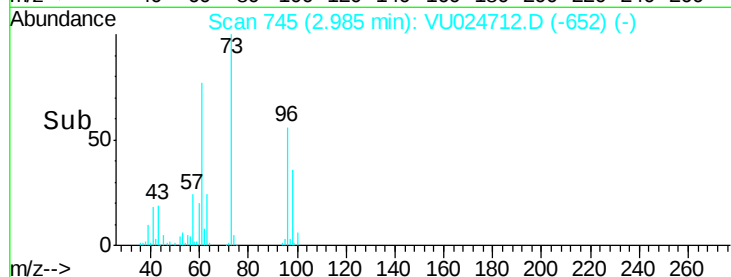
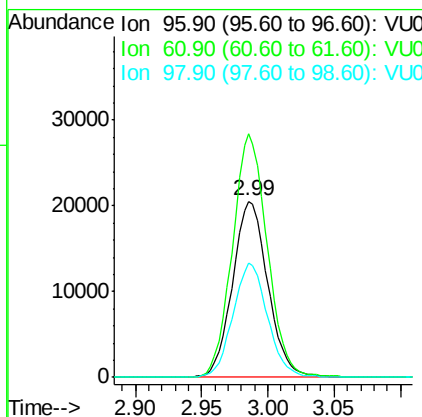
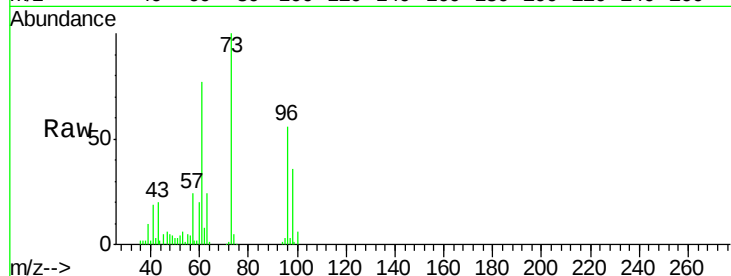
ClientSampleId :

VU0618WBS03

Tot Ion:	96	Resp:	37999
Ion Ratio	Lower	Upper	
96	100		
61	138.1	119.4	179.0
98	64.8	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.16 ug/l

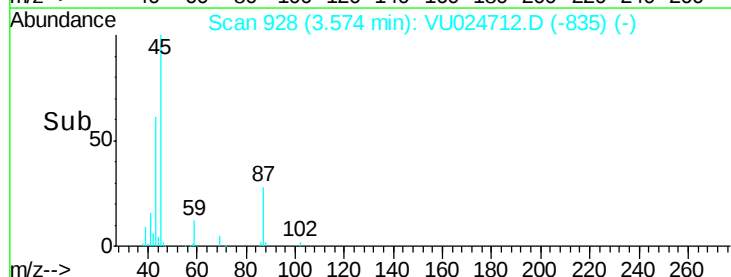
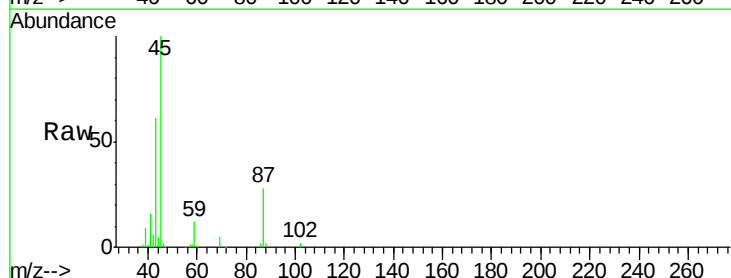
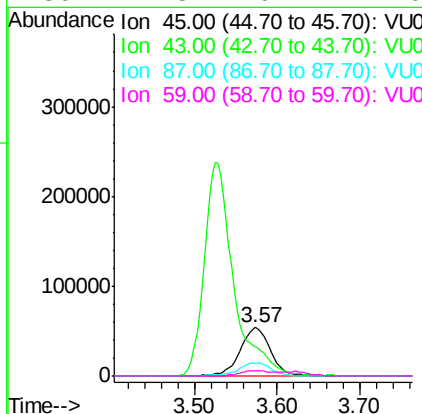
RT: 3.57 min Scan# 928

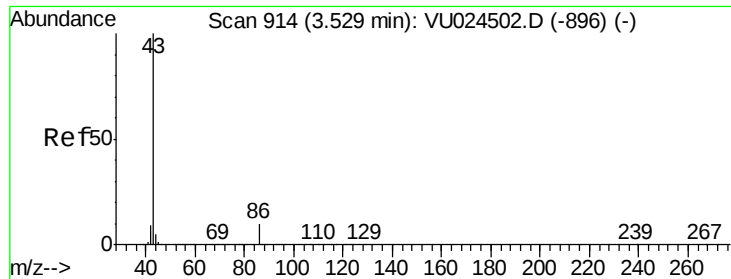
Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	45	Resp:	138263
Ion Ratio	Lower	Upper	
45	100		
43	60.0	45.8	68.6
87	27.6	20.6	31.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 100.45 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 43 Resp: 588034

Ion Ratio Lower Upper

43 100

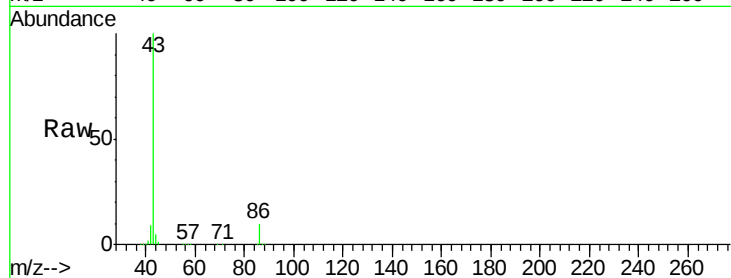
86 10.1 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

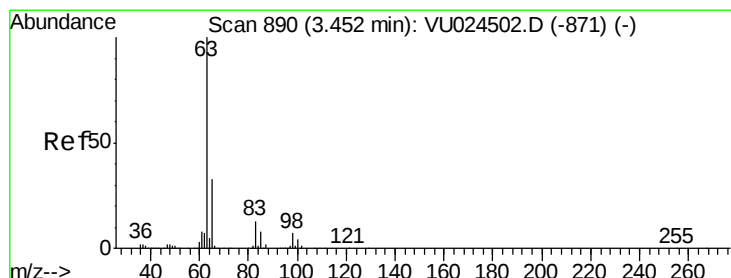
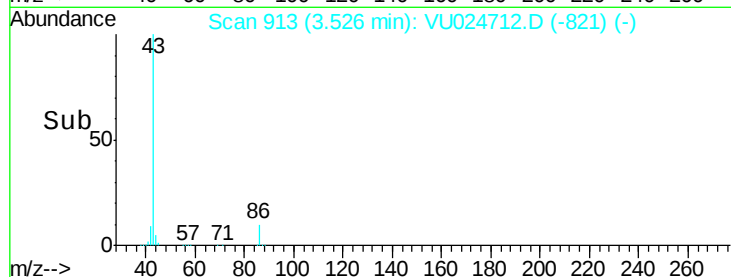
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.17 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

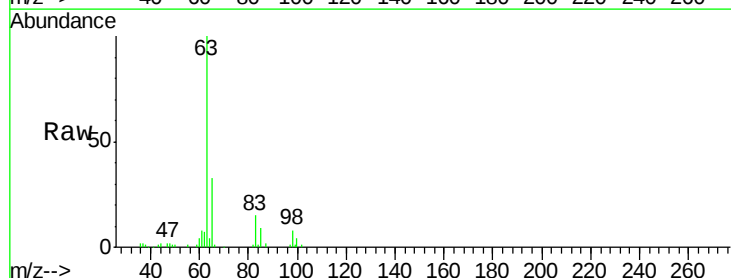
Tgt Ion: 63 Resp: 75834

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

40000

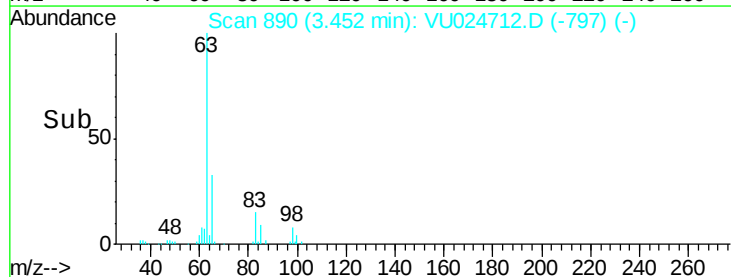
30000

20000

10000

0

Time-->





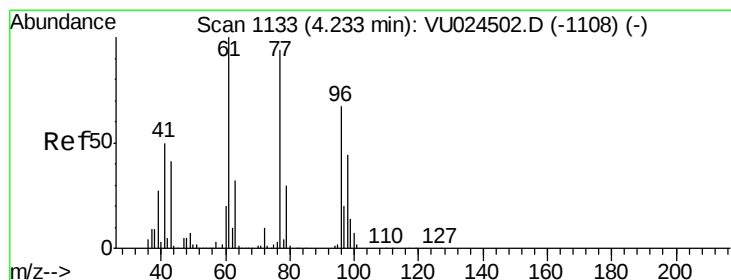
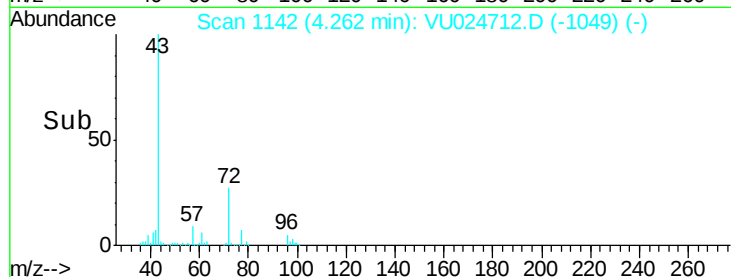
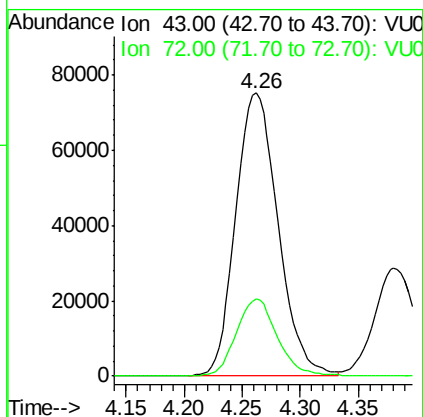
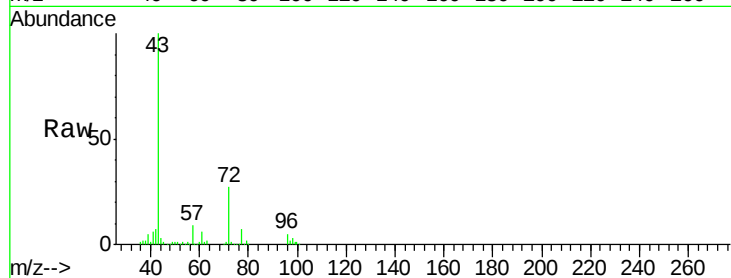
#25
2-Butanone
Concen: 103.68 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.2	19.6	29.4

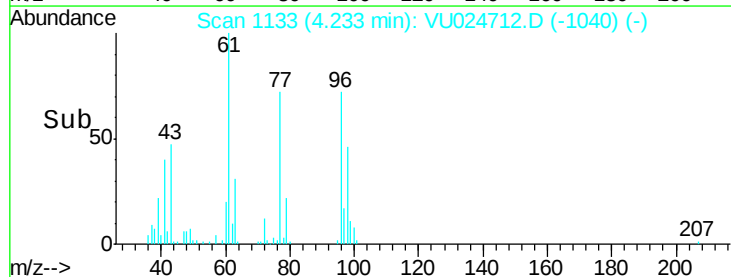
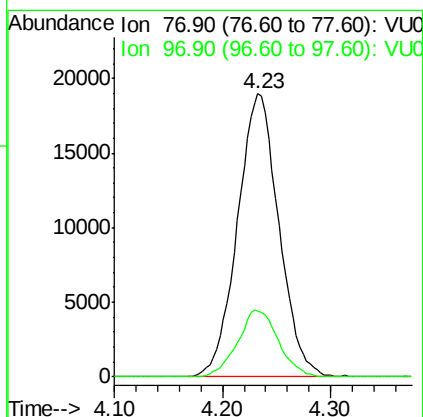
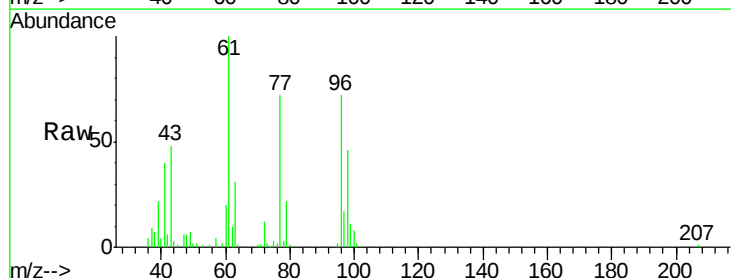
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 14.16 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.3	33.8





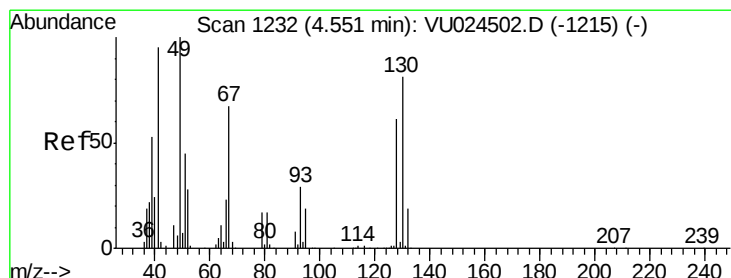
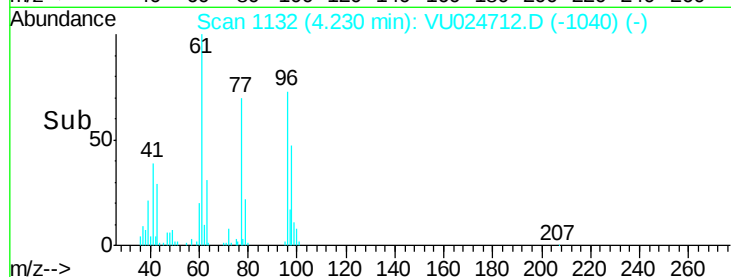
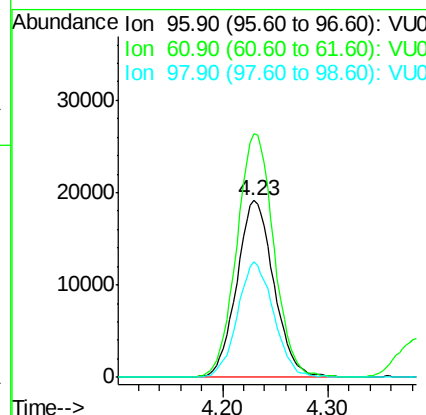
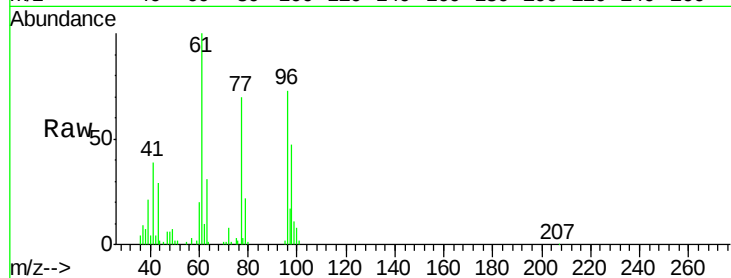
#27
 cis-1,2-Dichloroethene
 Concen: 20.85 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	306.6
98	63.4	0.0	128.8

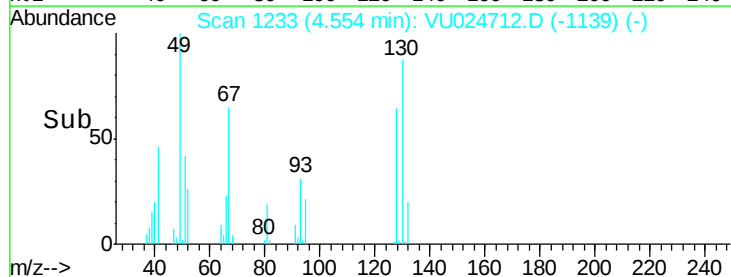
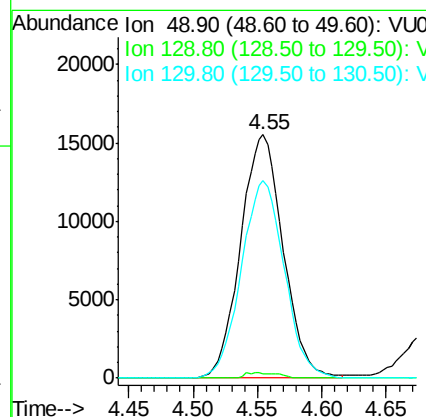
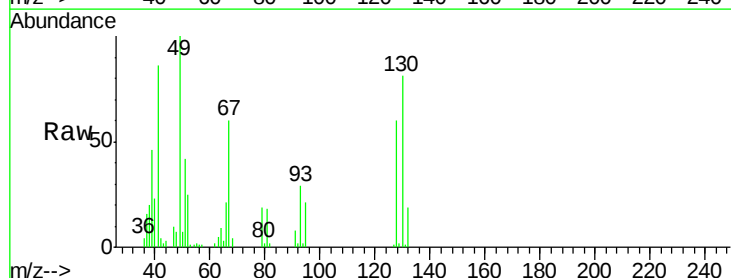
Manual Integrations
 APPROVED

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 6/19/2018 1:55:08 PM



#28
 Bromochloromethane
 Concen: 21.52 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	82.0	57.8	86.6





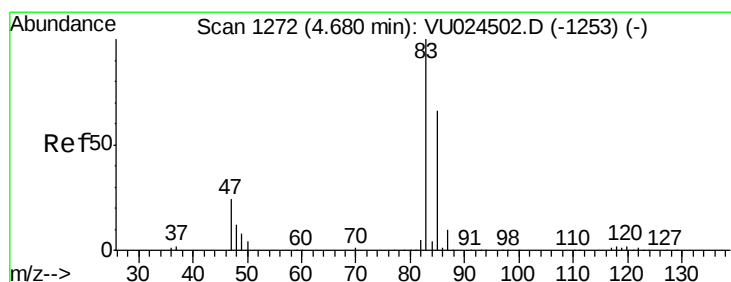
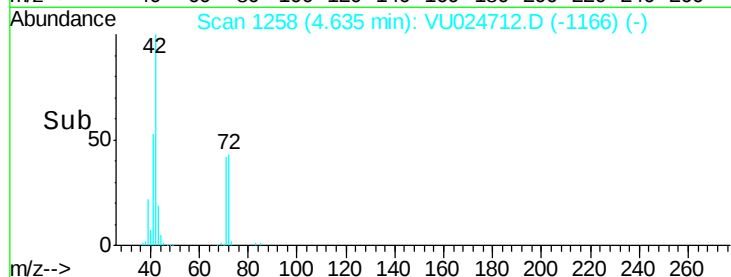
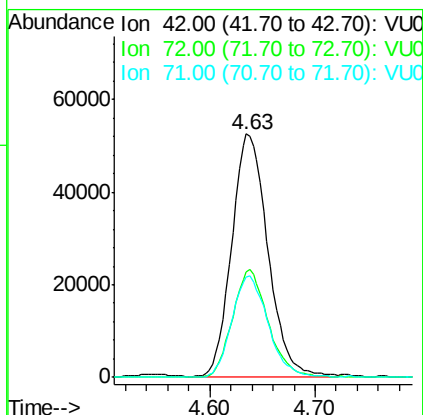
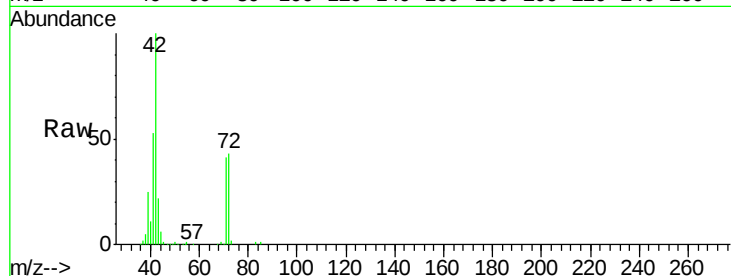
#29
Tetrahydrofuran
Concen: 109.42 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.5	51.7
71	42.0	32.2	48.4

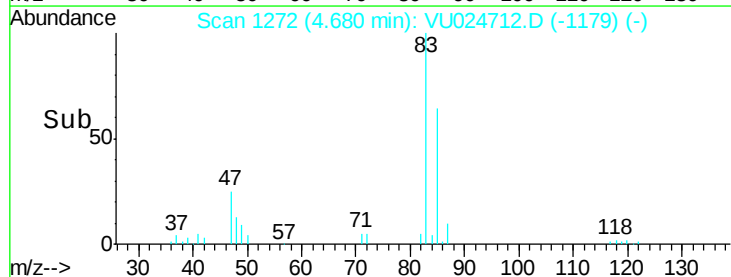
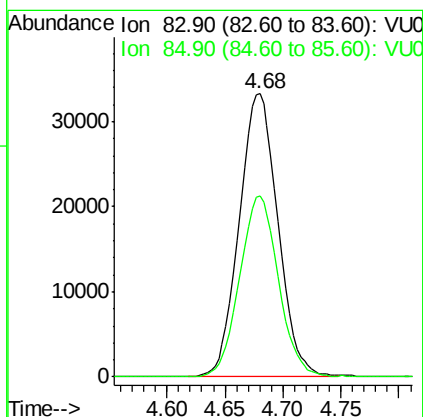
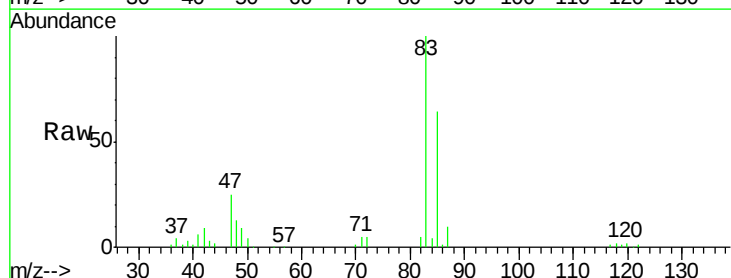
Manual Integrations
APPROVED

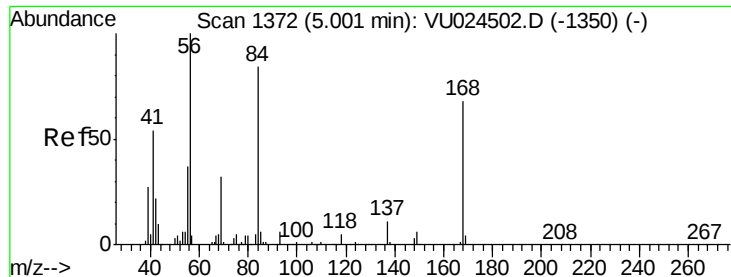
MMDadoda
6/19/2018 1:55:08 PM



#30
Chloroform
Concen: 20.30 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





#31

Cyclohexane

Concen: 19.21 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

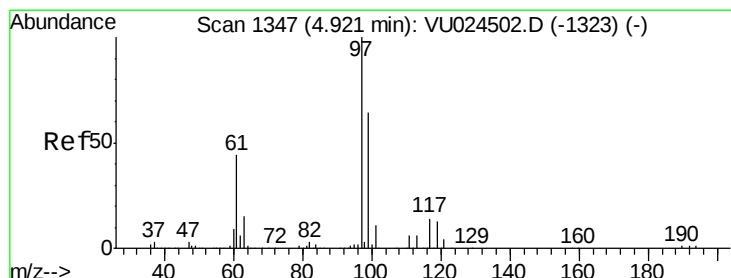
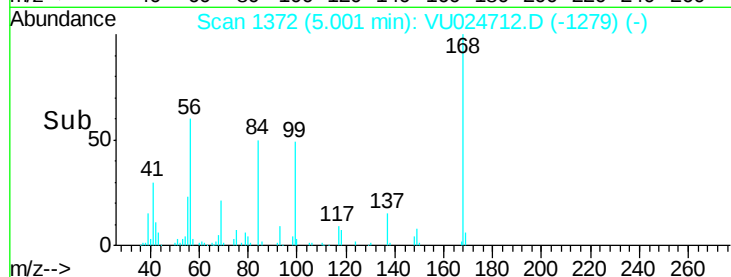
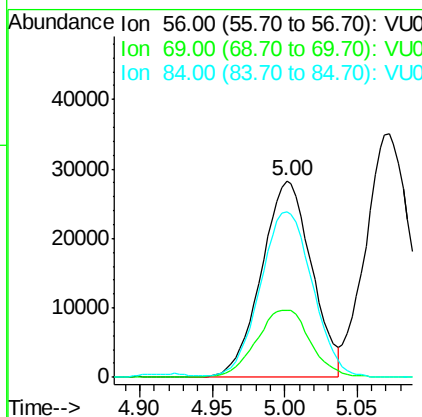
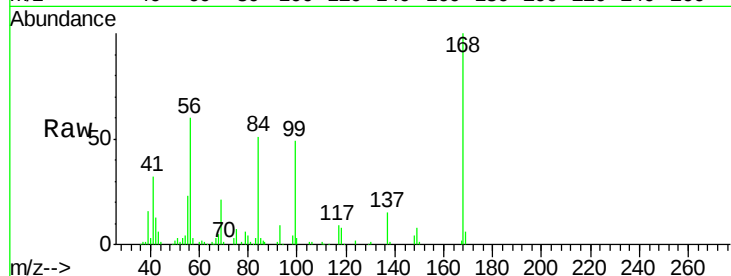
ClientSampleId :

VU0618WBS03

Tot Ion:	56	Resp:	68181
Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.8	37.2
84	83.3	65.2	97.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.31 ug/l

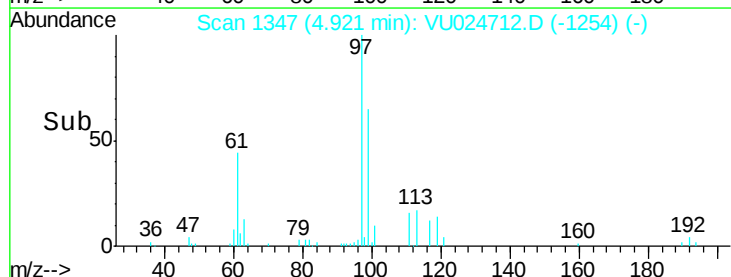
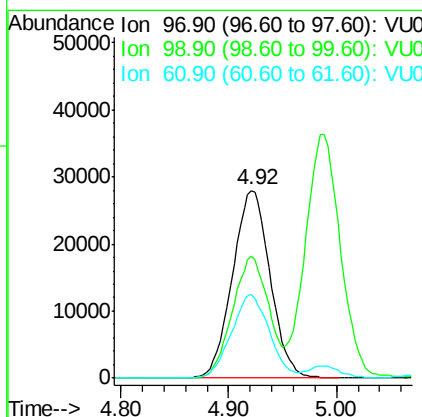
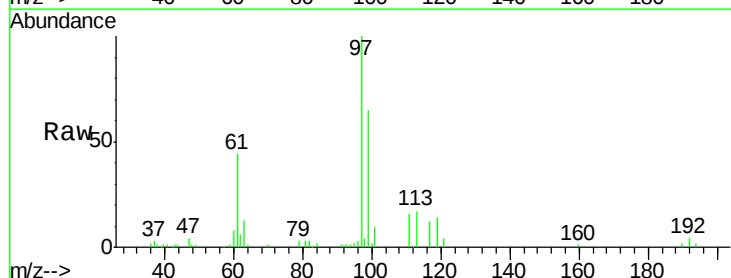
RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	97	Resp:	67950
Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.6
61	44.8	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 48.16 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 65 Resp: 122602

Ion Ratio Lower Upper

65 100

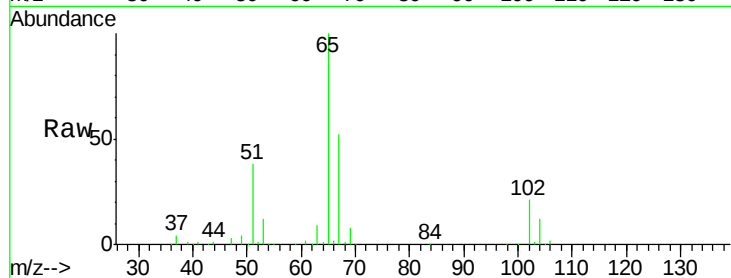
67 53.9 0.0 107.0

Manual Integrations

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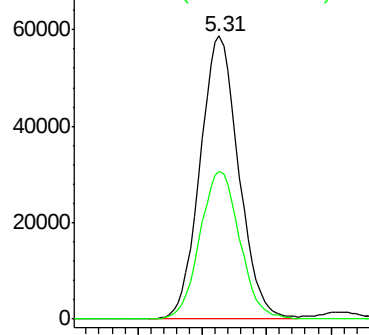
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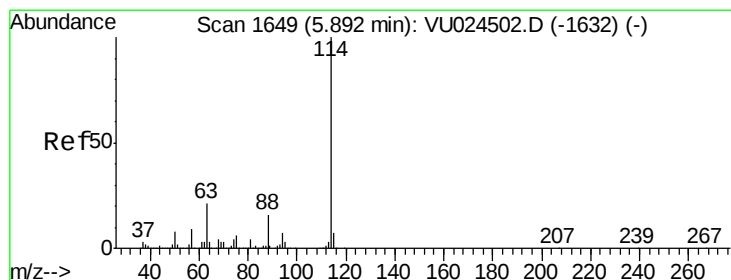
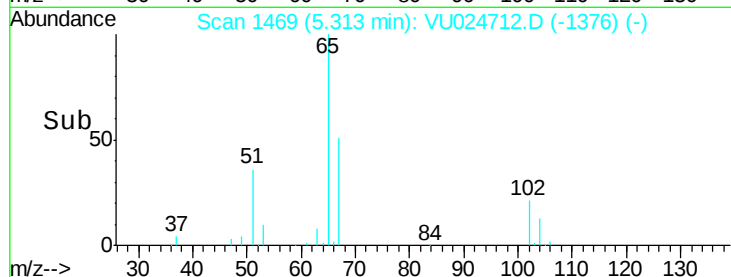


Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

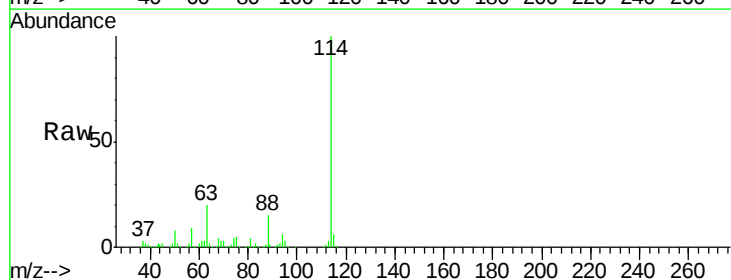
Tgt Ion: 114 Resp: 248743

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.4

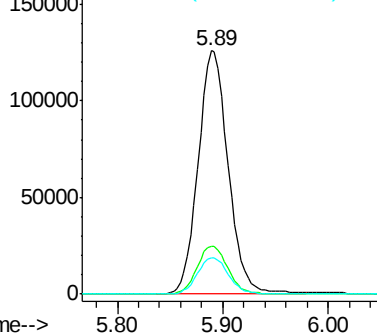
88 15.0 0.0 31.0



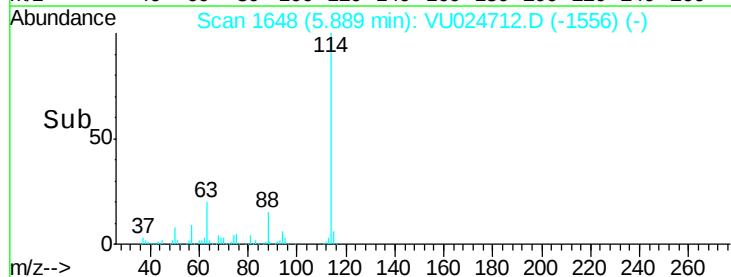
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



Time-->





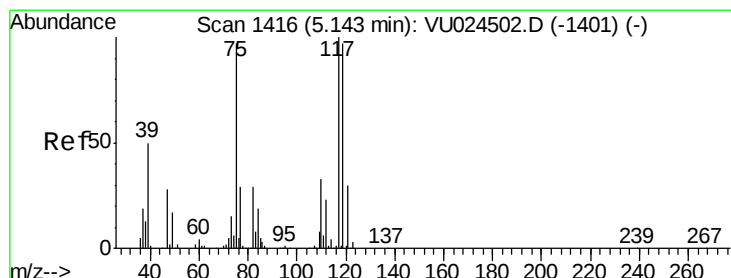
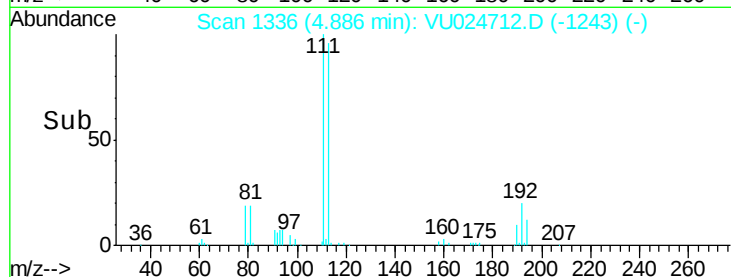
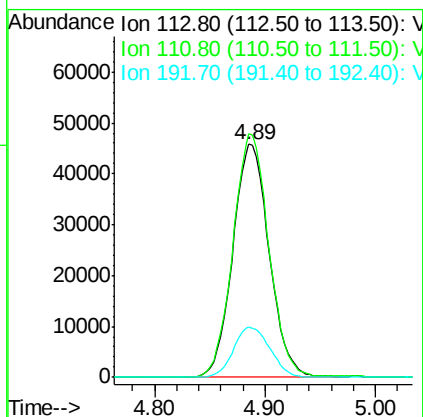
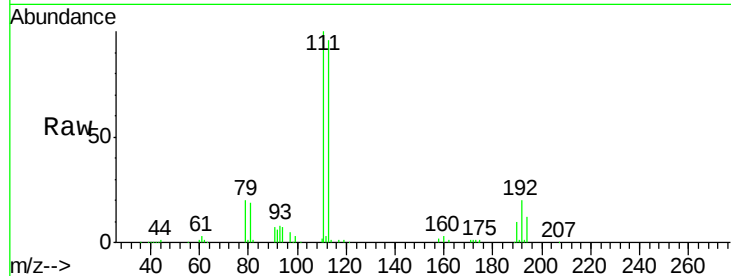
#35
Dibromofluoromethane
Concen: 50.66 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.2	123.4	
192	21.5	16.2	24.4	

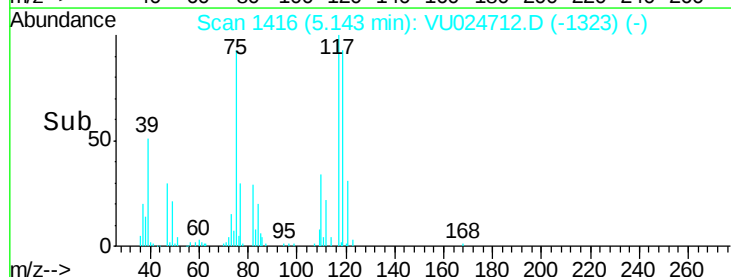
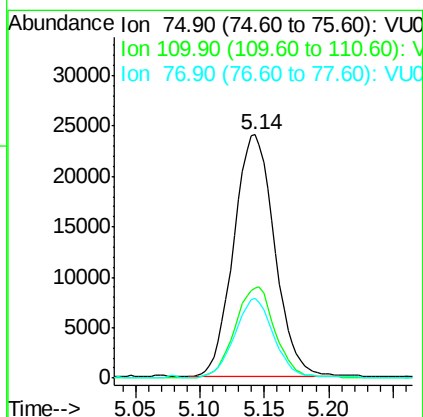
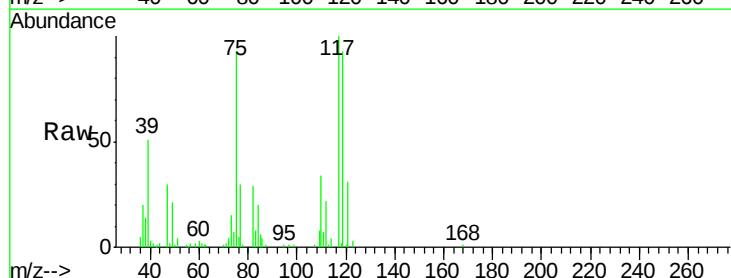
Manual Integrations
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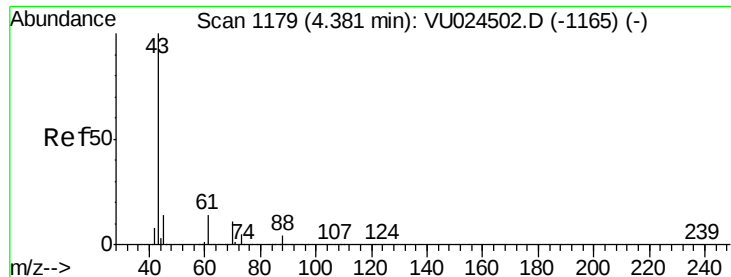
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#36
1,1-Dichloropropene
Concen: 18.18 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	17.0	50.9	
77	31.4	24.2	36.4	





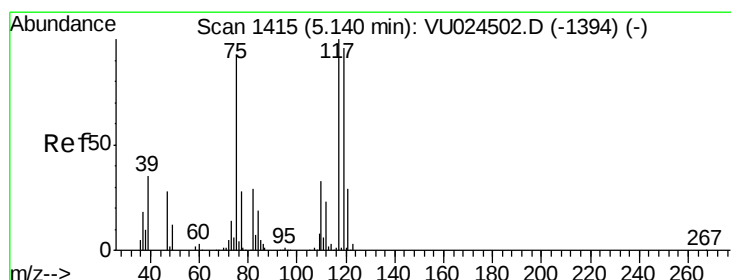
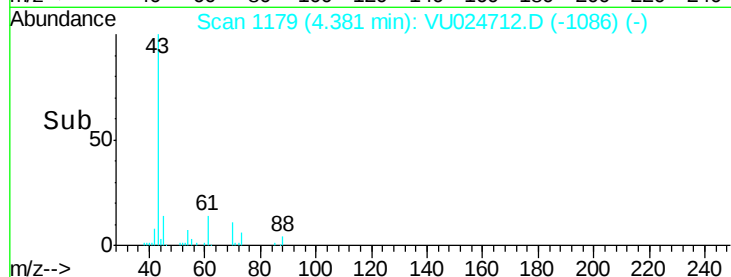
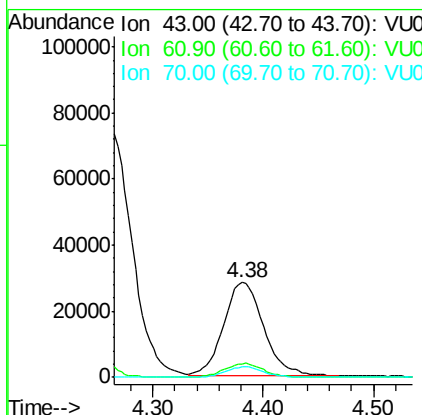
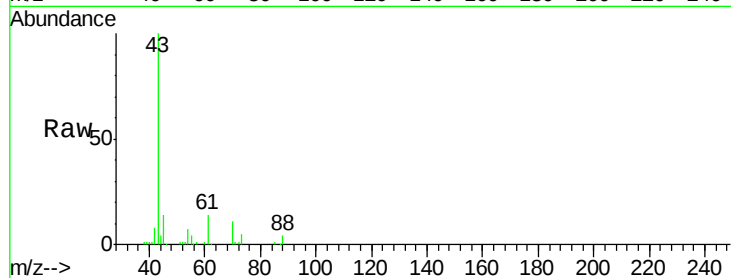
#37
Ethyl Acetate
Concen: 22.57 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

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

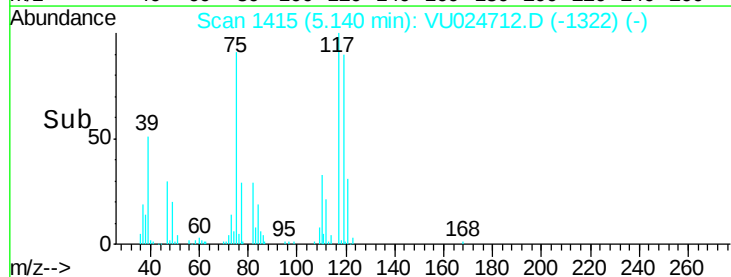
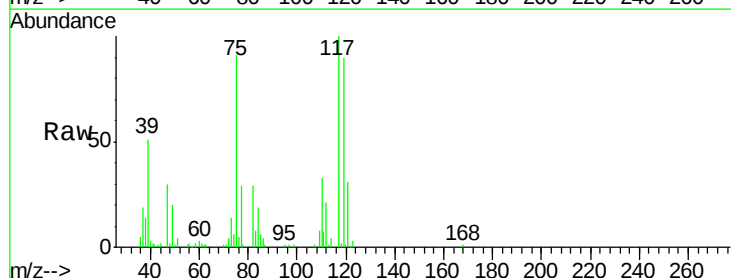
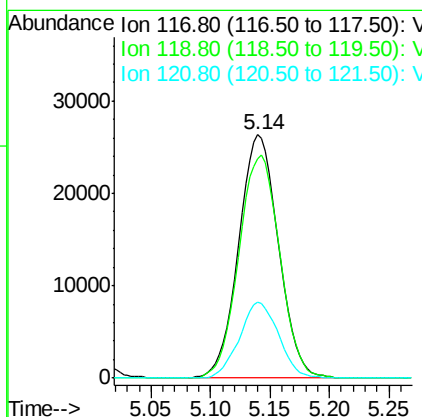
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.97 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	76.1	114.1
121	31.2	23.7	35.5





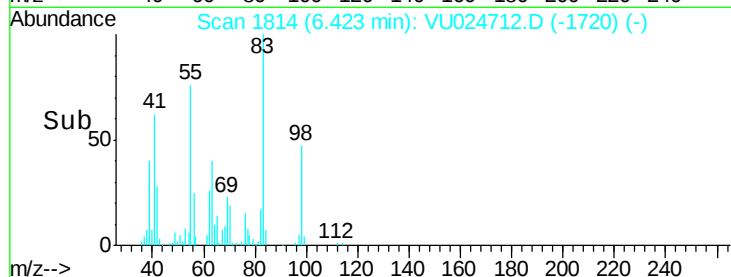
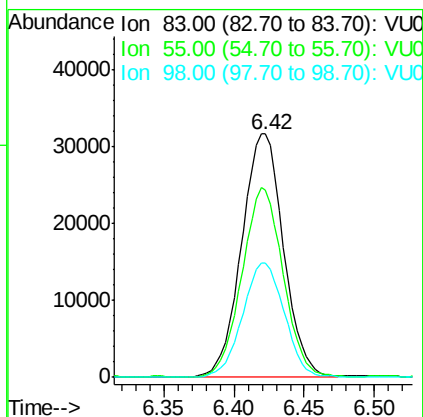
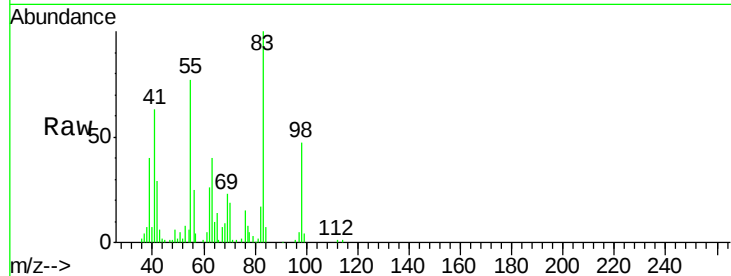
#39
Methvlcvclohexane
Concen: 18.03 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	65.8	98.6
98	47.0	36.7	55.1

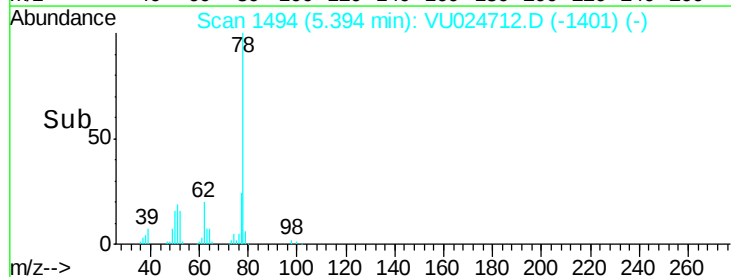
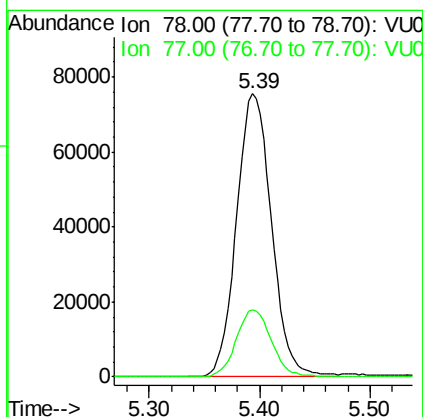
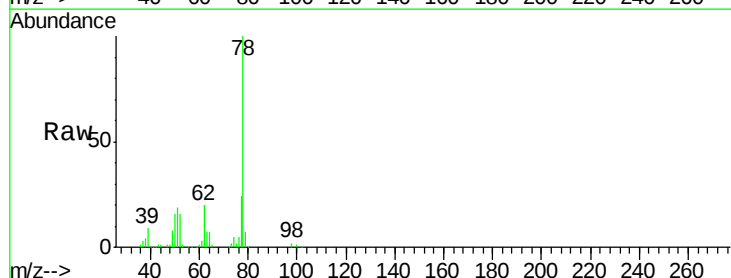
Manual Integrations
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#40
Benzene
Concen: 19.98 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





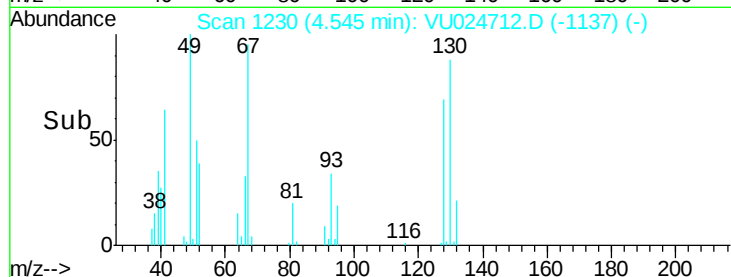
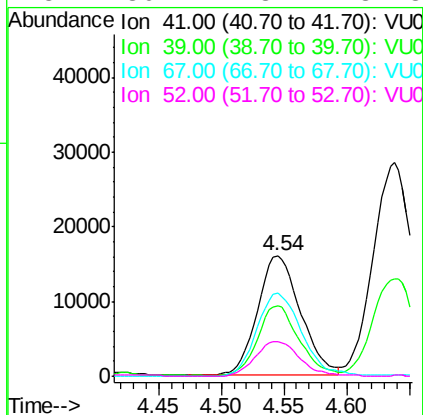
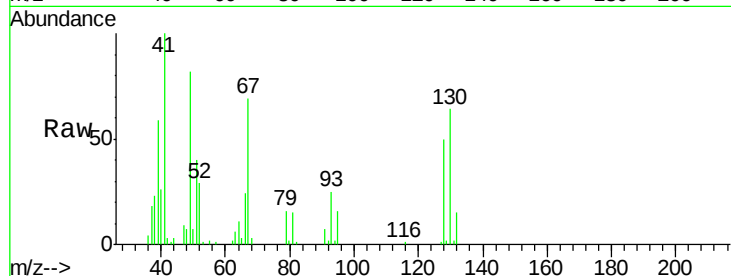
#41
Methacrylonitrile
Concen: 22.28 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.8	65.6
67	72.2	56.3	84.5
52	30.1	23.2	34.8

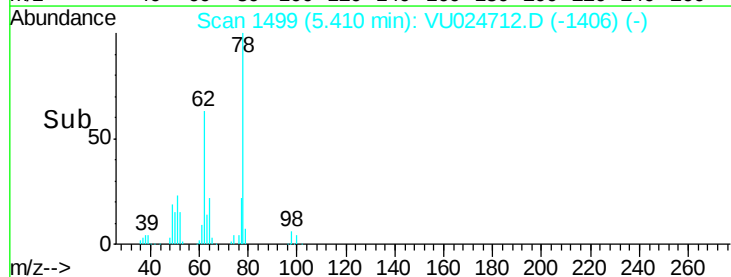
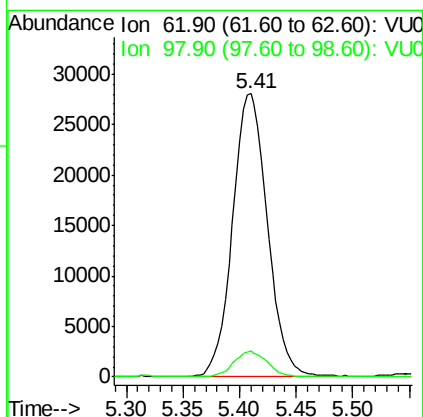
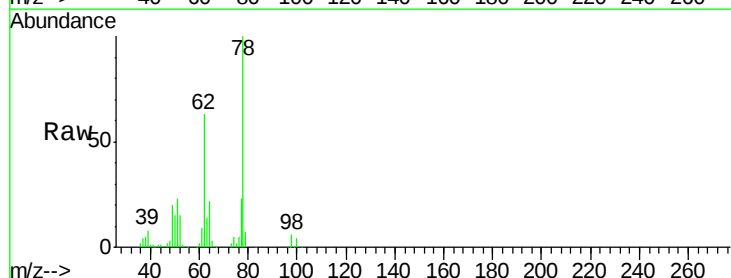
Manual Integrations
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6/19/2018 1:55:08 PM



#42
1,2-Dichloroethane
Concen: 19.00 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





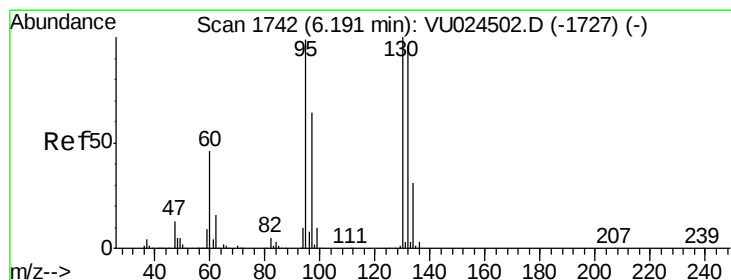
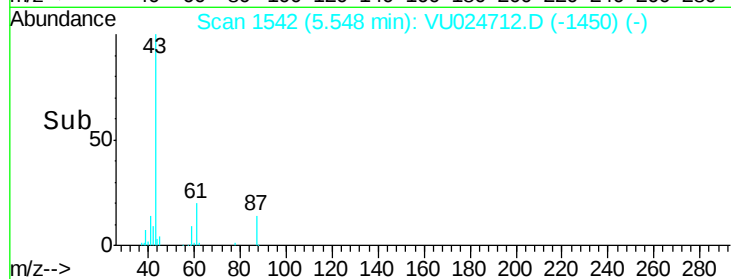
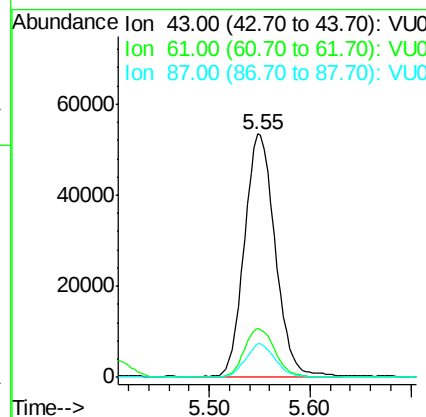
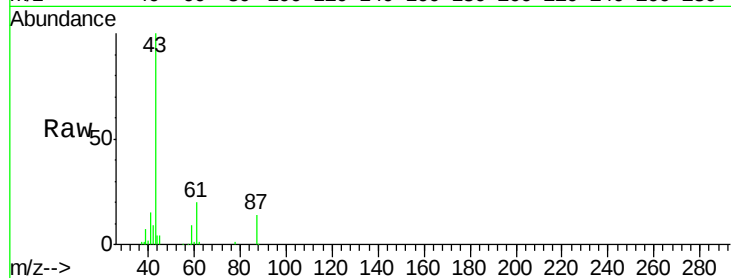
#43
Isopropyl Acetate
Concen: 20.46 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.4	23.0
87	13.3	10.0	15.0

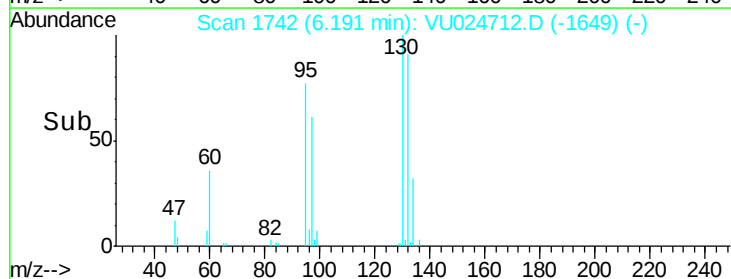
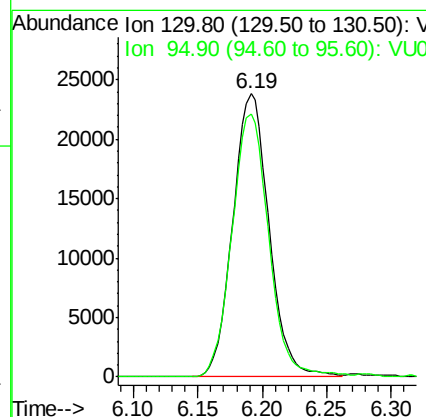
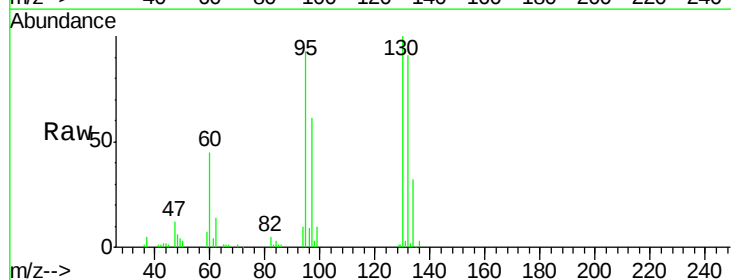
Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:08 PM



#44
Trichloroethene
Concen: 19.68 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	202.4





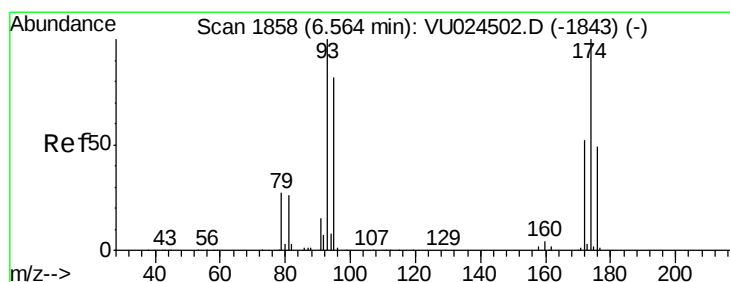
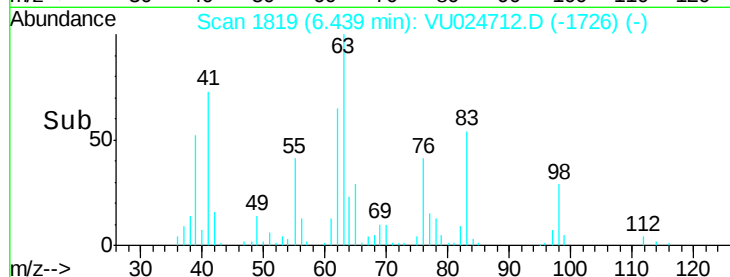
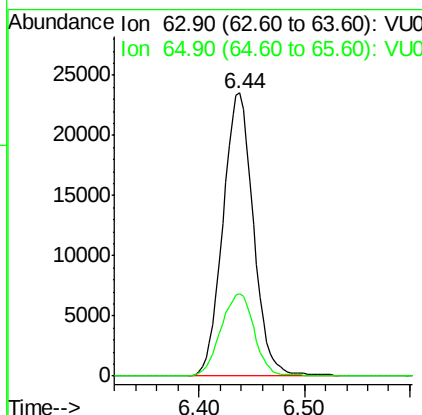
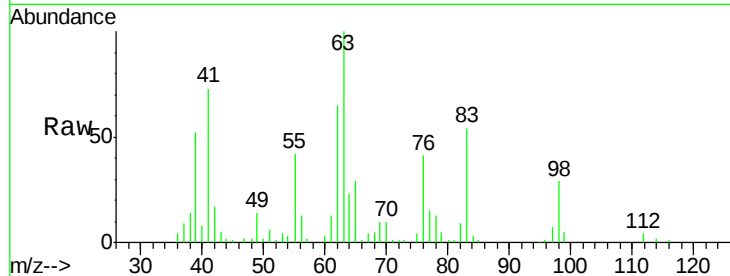
#45
 1,2-Dichloropropane
 Concen: 21.22 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion: 63 Resp: 47152
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.8 37.2

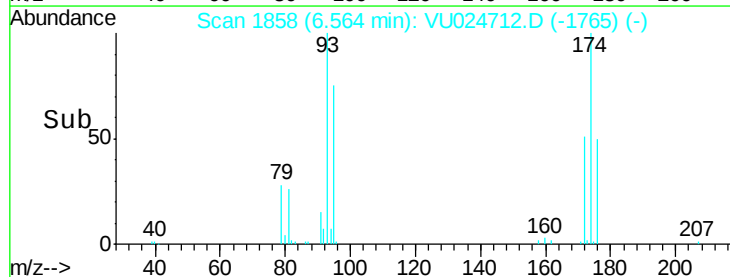
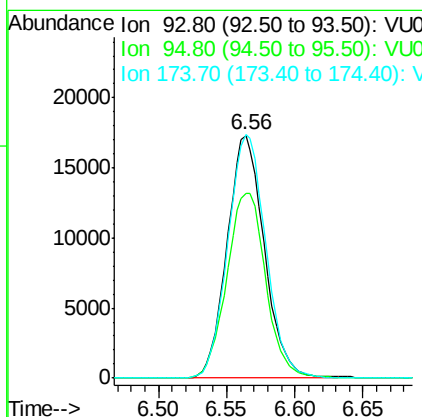
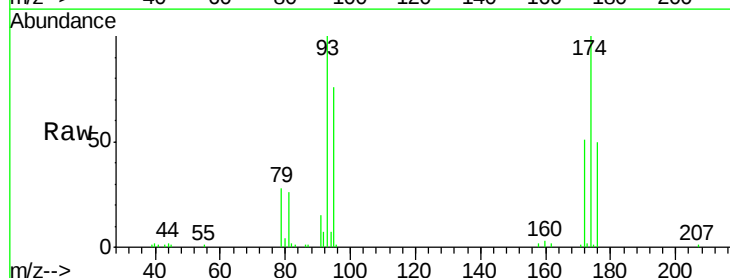
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#46
 Dibromomethane
 Concen: 21.07 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion: 93 Resp: 32884
 Ion Ratio Lower Upper
 93 100
 95 79.6 65.5 98.3
 174 102.1 78.7 118.1





#47

Bromodichloromethane

Concen: 19.39 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

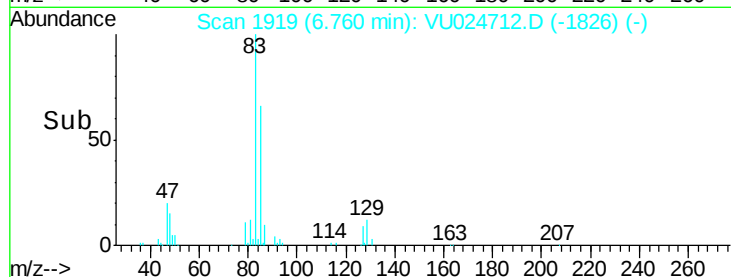
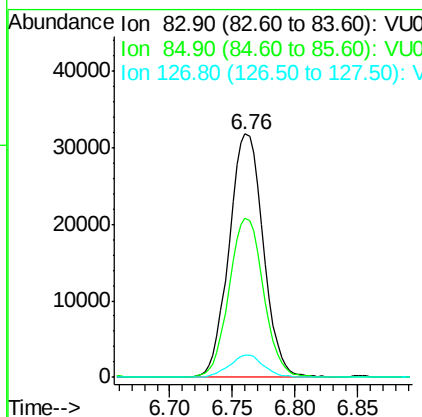
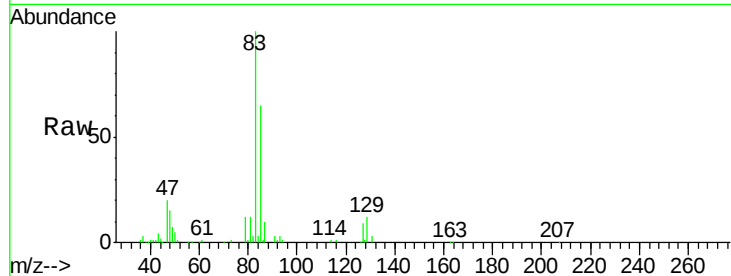
ClientSampleId :

VU0618WBS03

Tot Ion:	83	Resp:	60285
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.9	77.9
127	9.3	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.96 ug/l

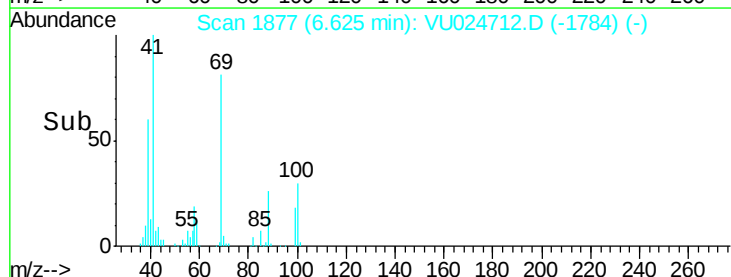
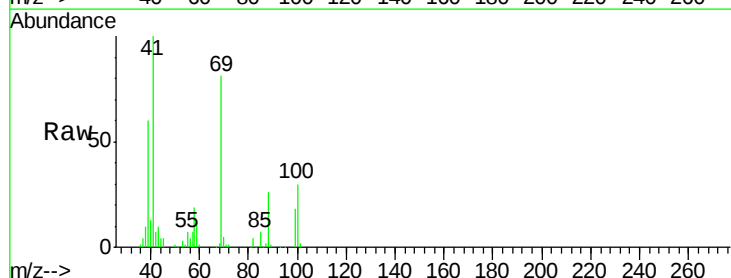
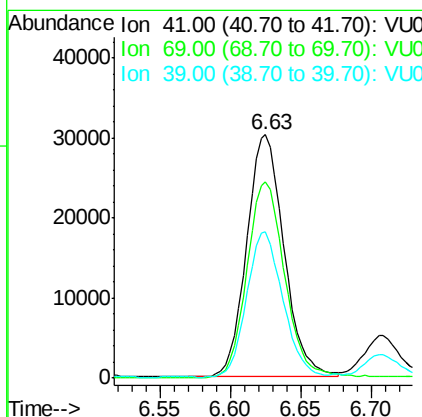
RT: 6.63 min Scan# 1877

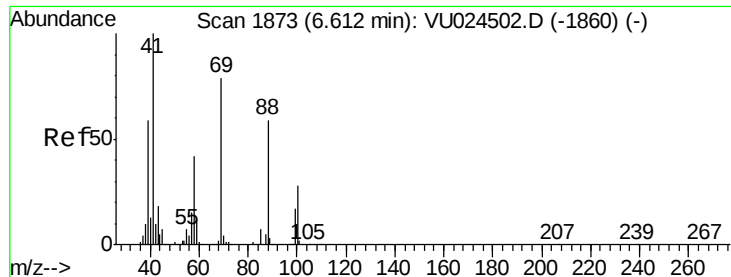
Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	41	Resp:	56213
Ion Ratio	Lower	Upper	
41	100		
69	82.3	67.3	100.9
39	58.4	46.5	69.7





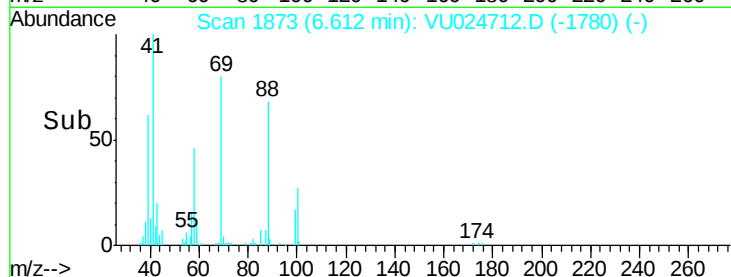
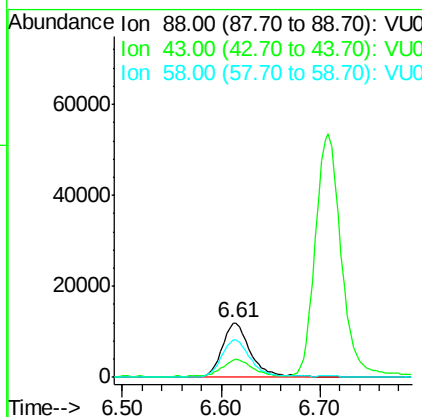
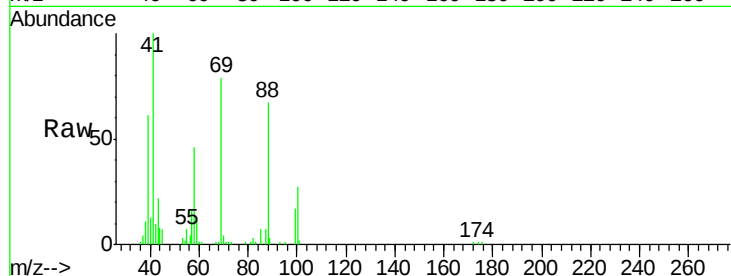
#49
1,4-Dioxane
Concen: 466.50 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	28.6	42.8
58	69.3	58.2	87.4

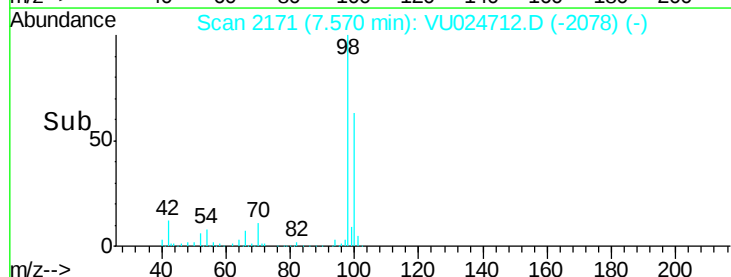
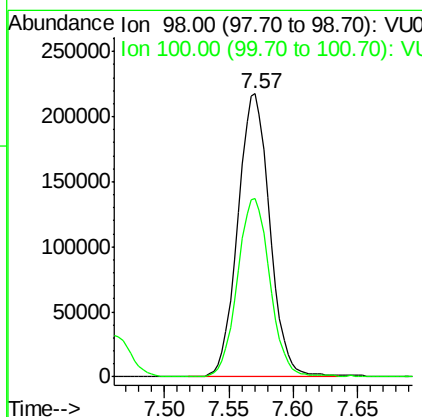
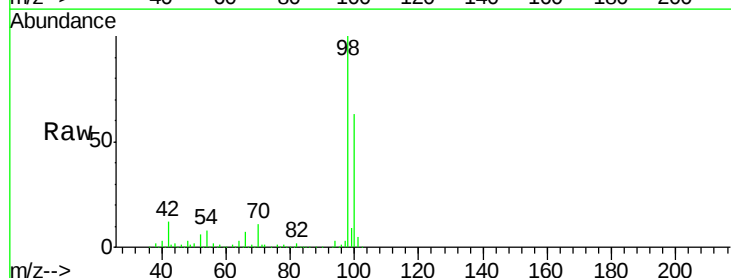
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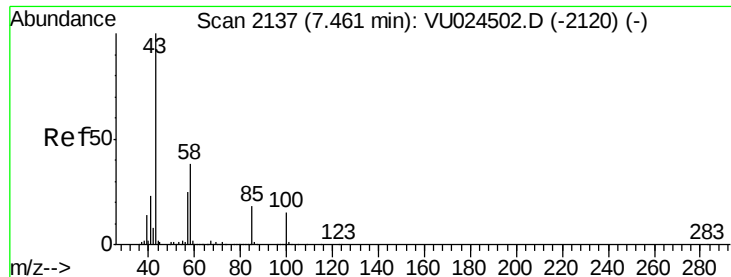
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#50
Toluene-d8
Concen: 50.00 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





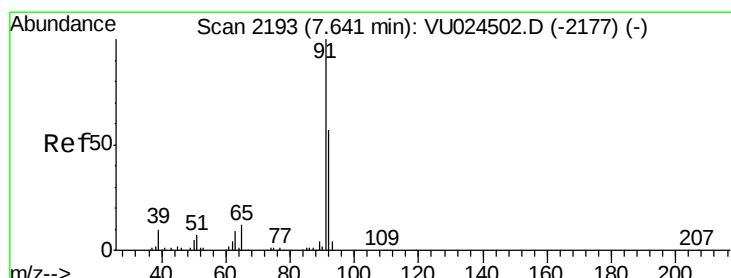
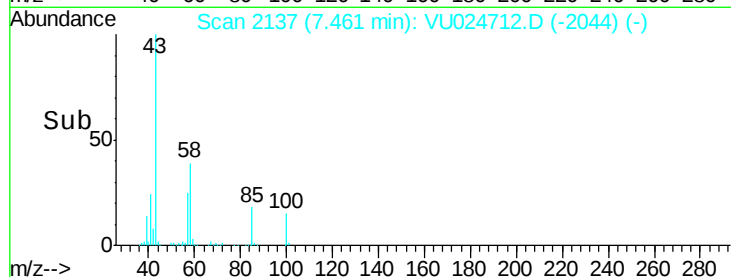
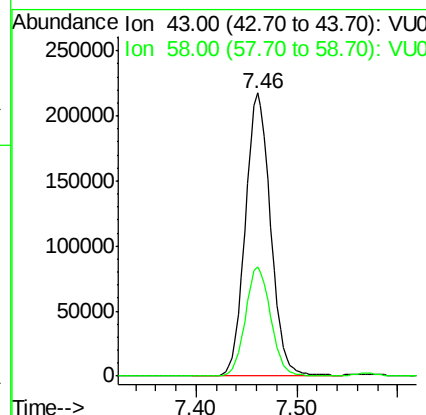
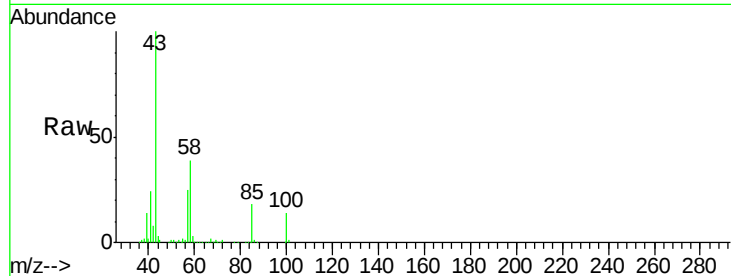
#51
4-Methyl-2-Pentanone
Concen: 108.49 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.0	45.0

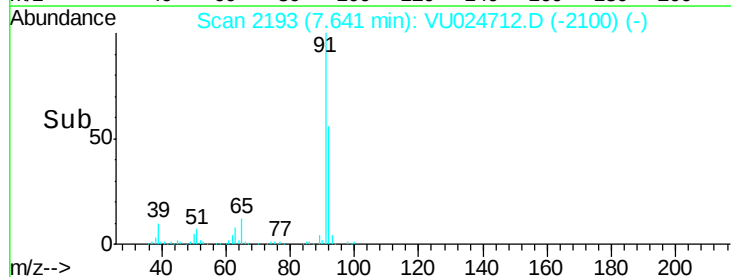
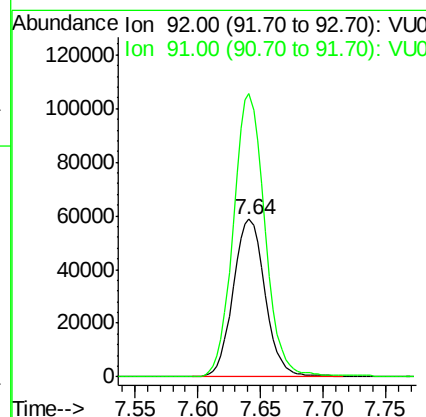
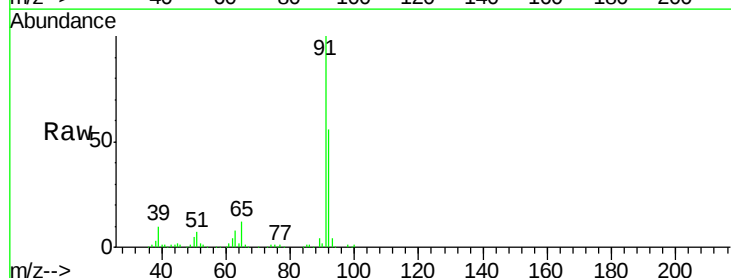
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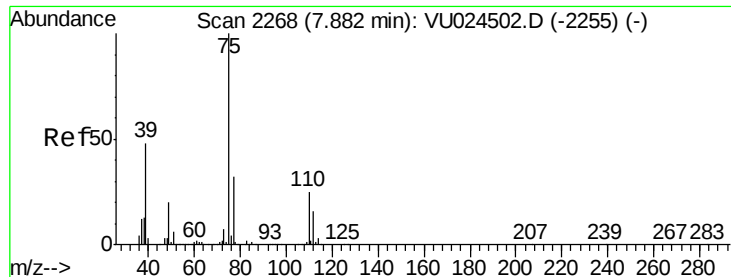
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#52
Toluene
Concen: 19.47 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.2	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 18.53 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 75 Resp: 64681

Ion Ratio Lower Upper

75 100

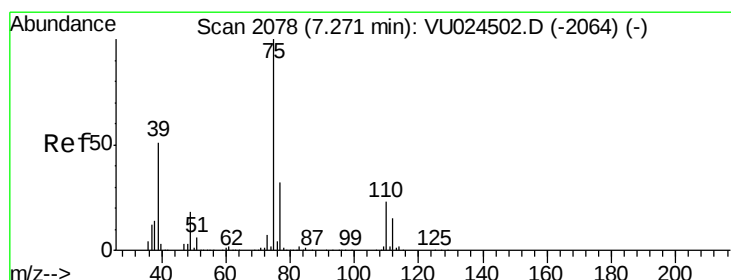
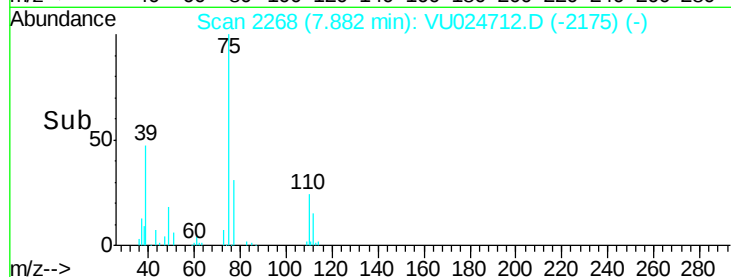
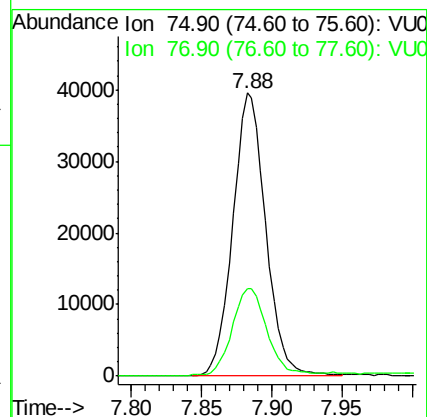
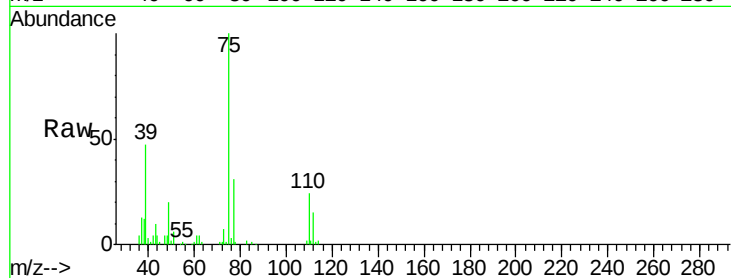
77 30.4 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 18.20 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

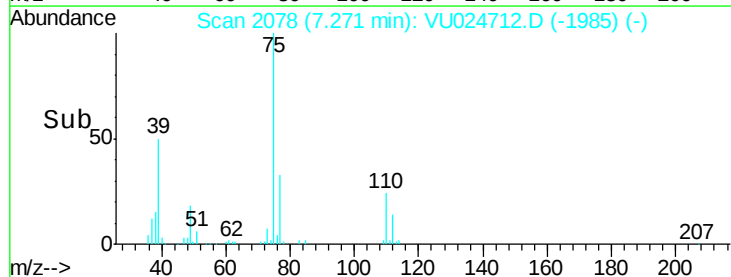
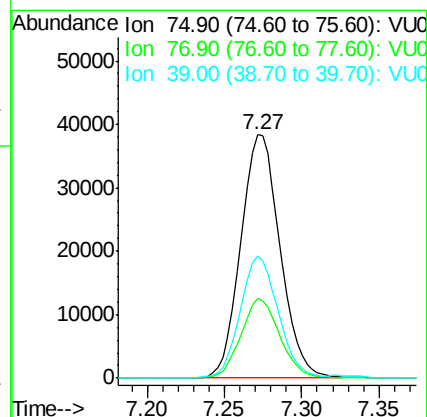
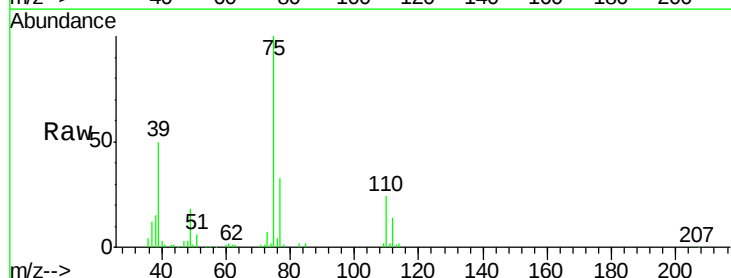
Tgt Ion: 75 Resp: 67678

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8

39 50.4 39.8 59.6





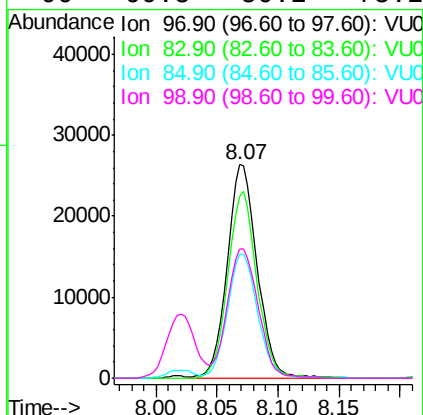
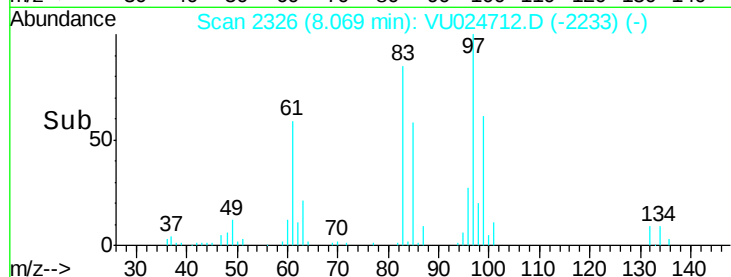
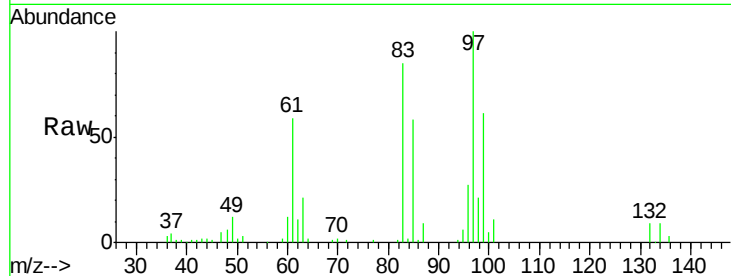
#55
 1,1,2-Trichloroethane
 Concen: 20.82 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion:	97	Resp:	45342
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.5	105.7
85	58.2	46.4	69.6
99	60.5	50.2	75.2

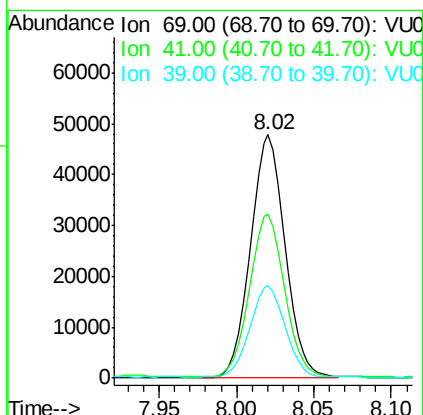
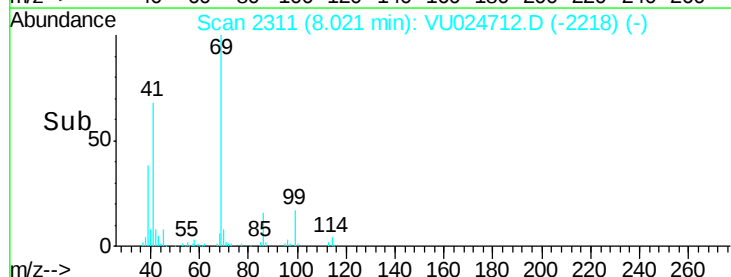
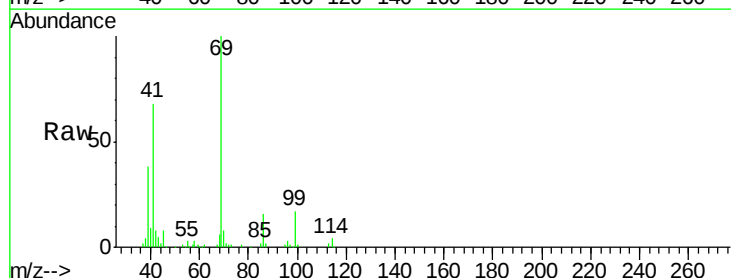
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#56
 Ethyl methacrylate
 Concen: 20.55 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion:	69	Resp:	74926
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.1	81.1
39	38.0	30.3	45.5





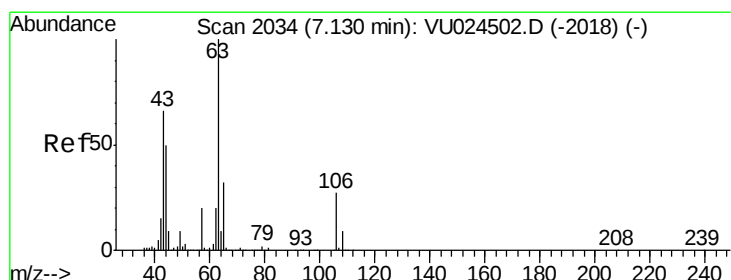
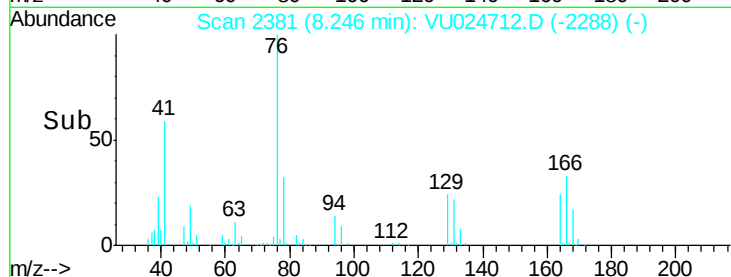
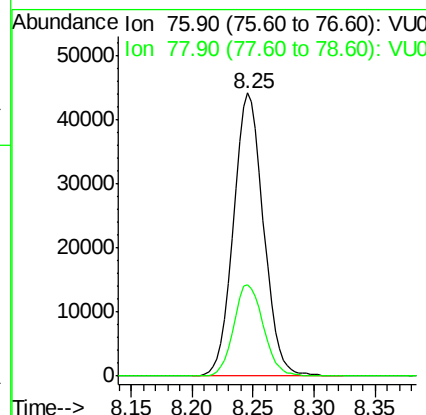
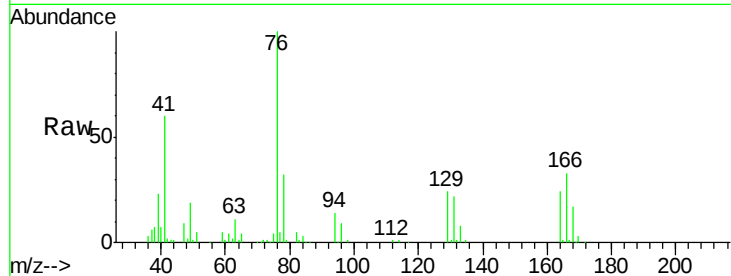
#57
 1,3-Dichloropropane
 Concen: 20.65 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion: 76 Resp: 75888
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

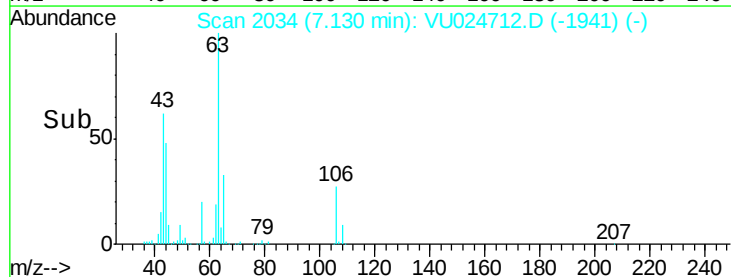
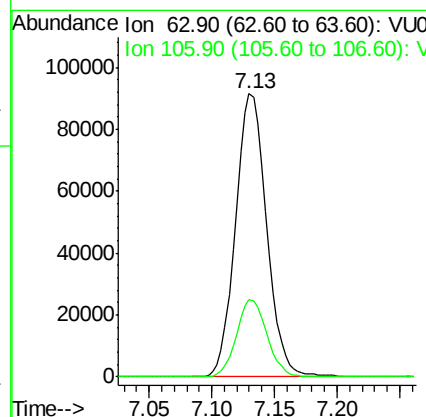
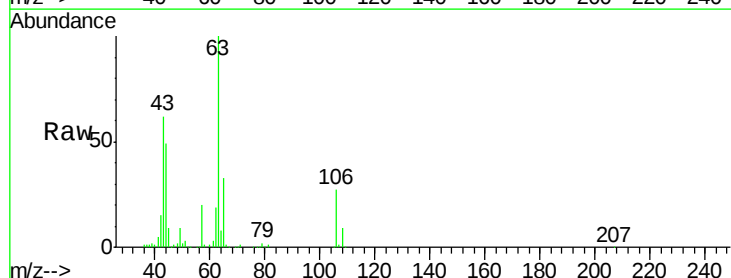
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.97 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion: 63 Resp: 157779
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.2 30.2





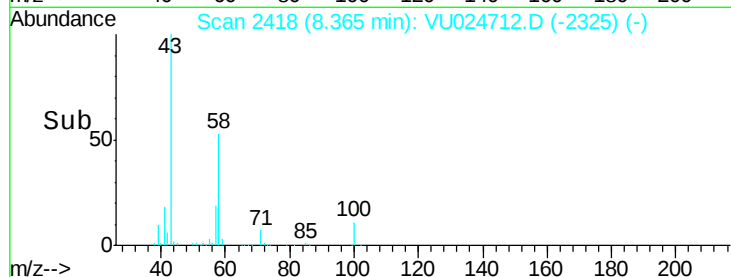
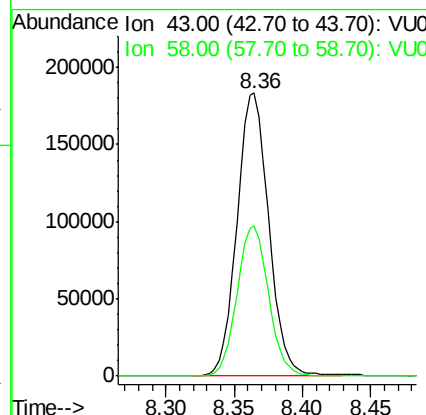
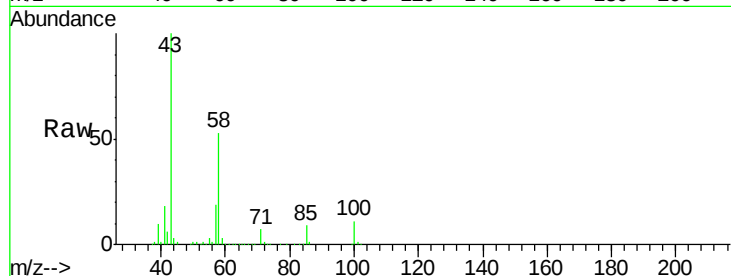
#59
2-Hexanone
Concen: 104.57 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.4	79.0

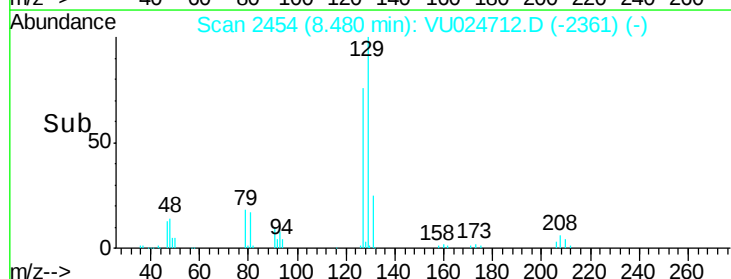
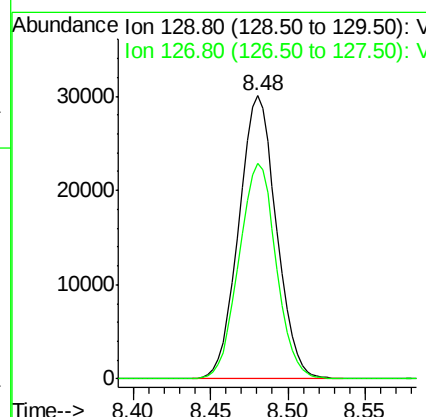
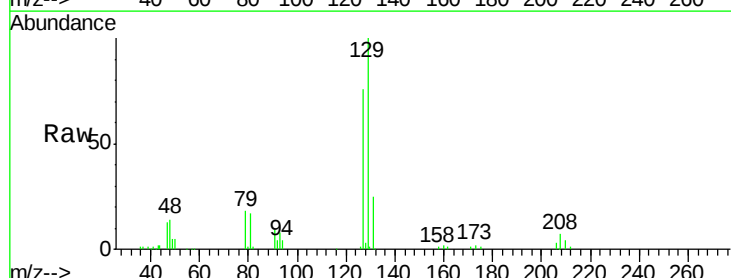
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#60
Dibromochloromethane
Concen: 18.66 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.6	116.0





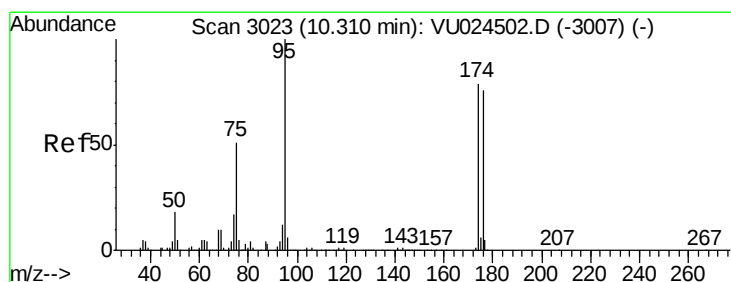
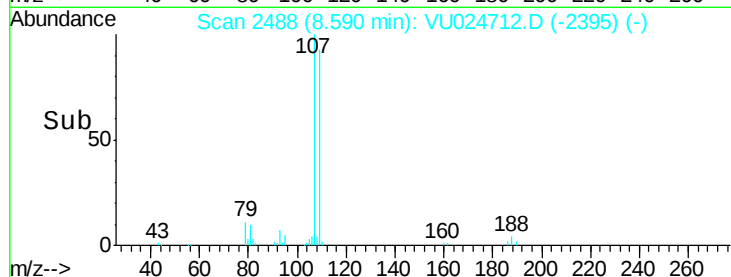
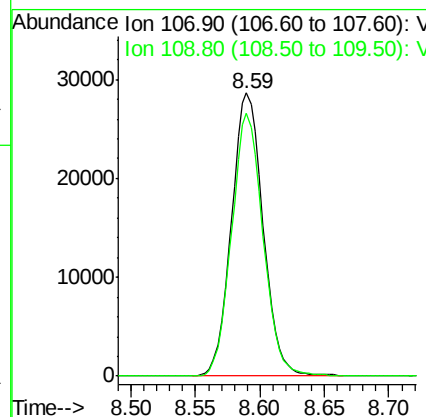
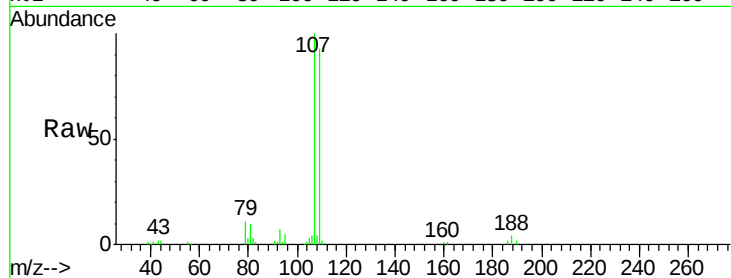
#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.5	111.7

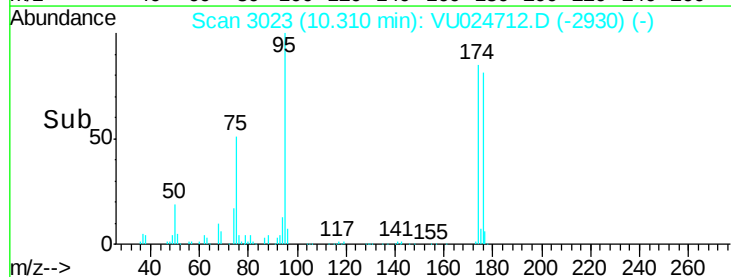
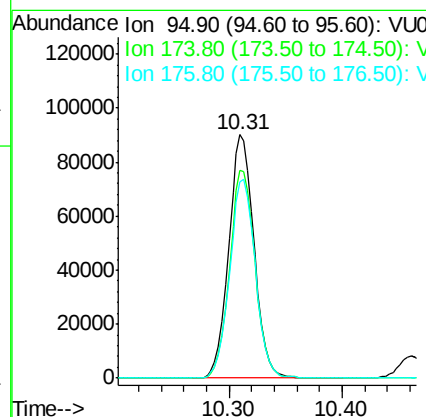
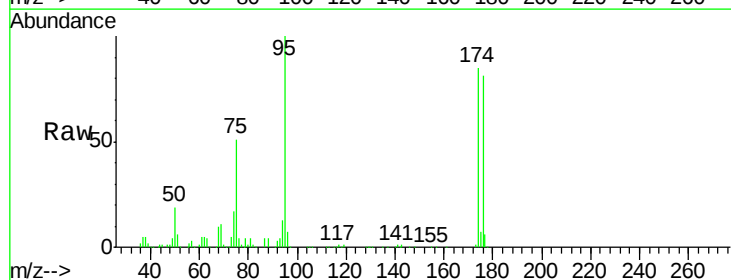
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#62
 4-Bromofluorobenzene
 Concen: 46.73 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	165.8
176	83.0	0.0	159.4





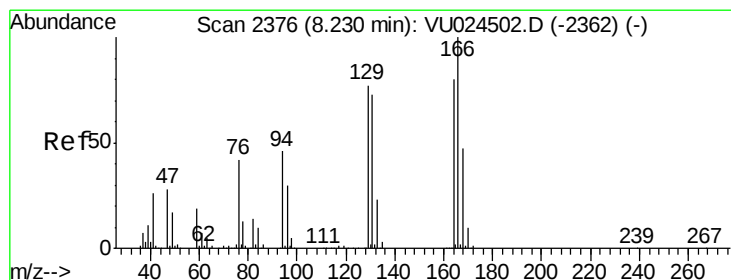
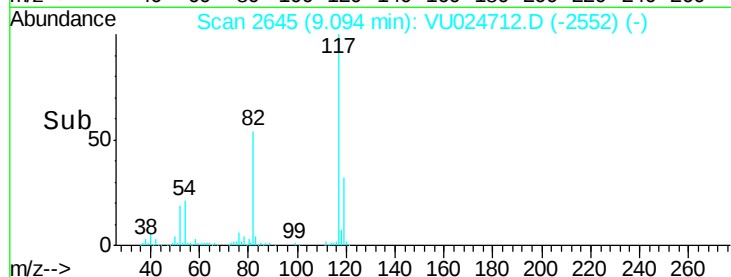
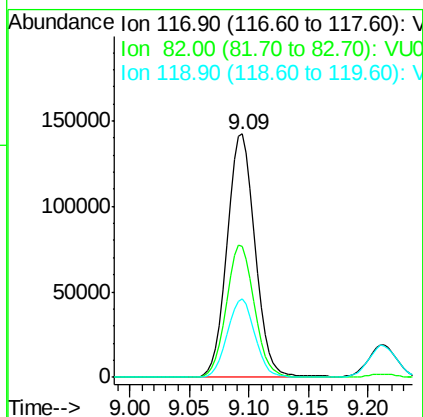
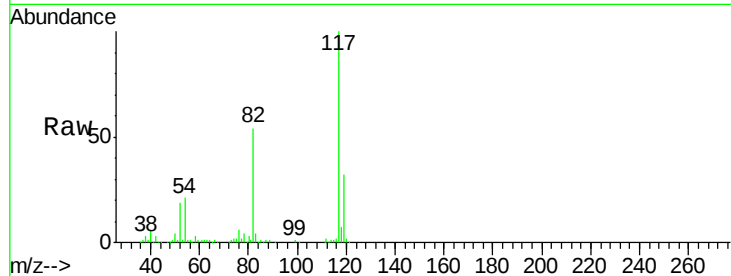
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	232712		
82	53.8	44.3	66.5	
119	32.2	25.4	38.2	

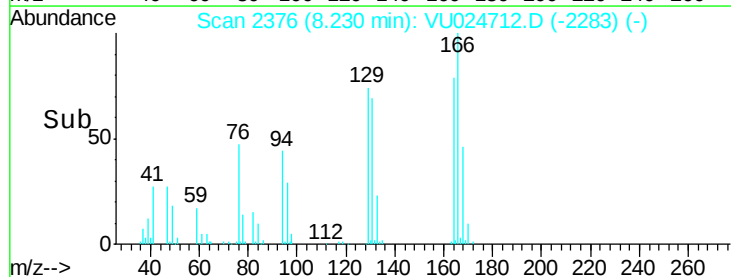
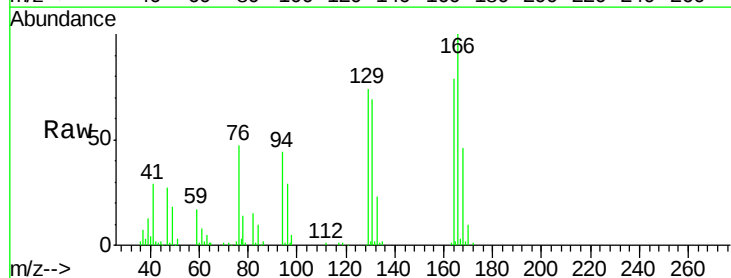
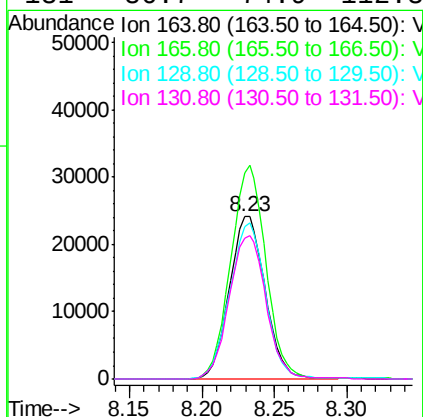
Manual Integrations
APPROVED

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6/19/2018 1:55:08 PM



#64
Tetrachloroethene
Concen: 18.75 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41476		
166	126.5	101.7	152.5	
129	93.5	76.9	115.3	
131	86.7	74.9	112.3	





#65

Chlorobenzene

Concen: 19.91 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion:112 Resp: 118381

Ion Ratio Lower Upper

112 100

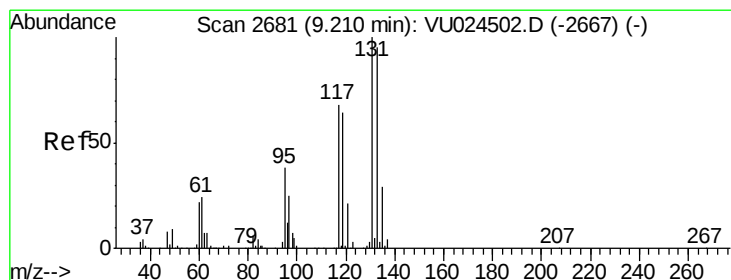
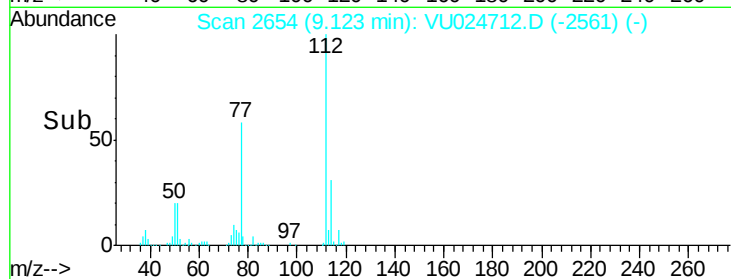
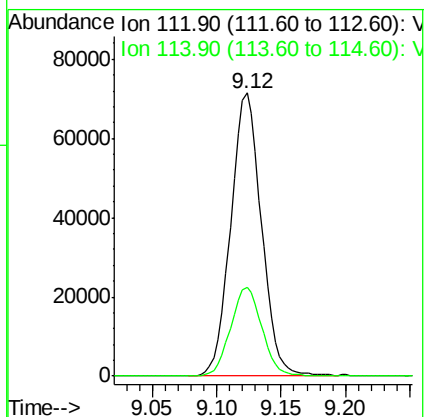
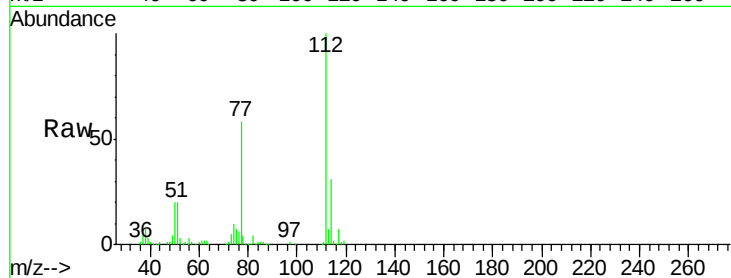
114 31.5 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.46 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

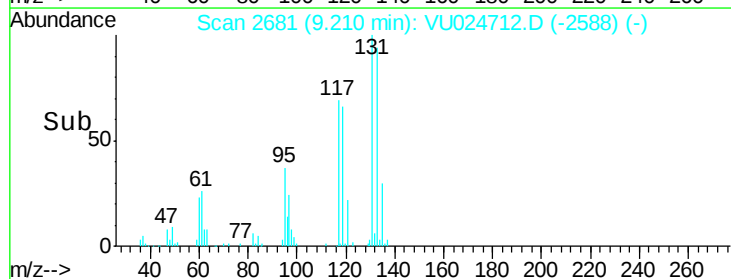
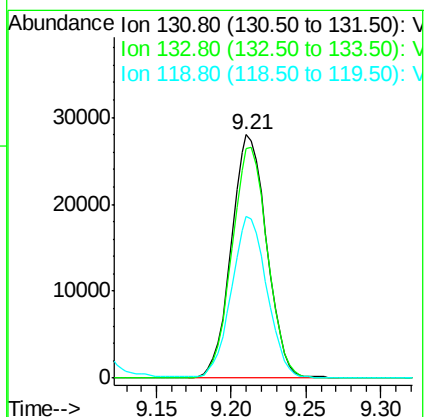
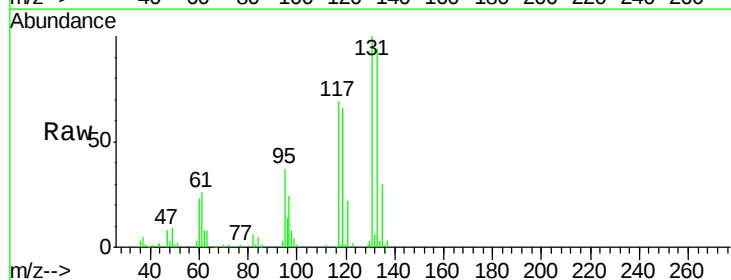
Tgt Ion:131 Resp: 46203

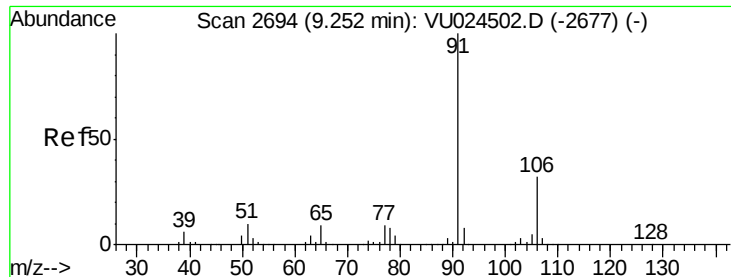
Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.8

119 66.8 33.5 100.4





#67

Ethyl Benzene

Concen: 19.63 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 91 Resp: 204608

Ion Ratio Lower Upper

91 100

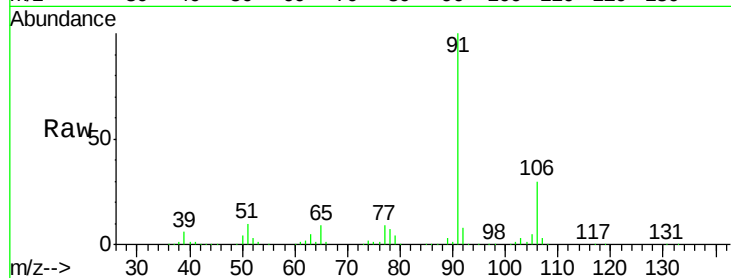
106 30.4 24.2 36.4

Manual Integrations

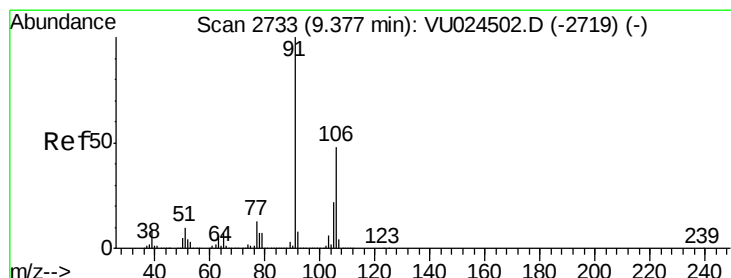
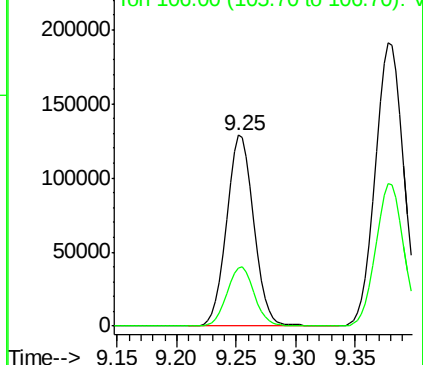
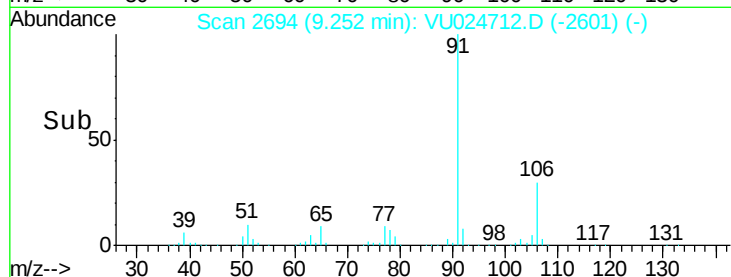
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Abundance Ion 91.00 (90.70 to 91.70): VU024712.D (-2601) (-)



#68

m/p-Xylenes

Concen: 39.51 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024712.D

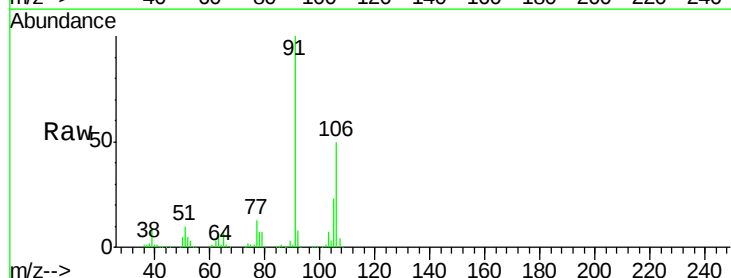
Acq: 19 Jun 2018 00:18

Tgt Ion: 106 Resp: 158113

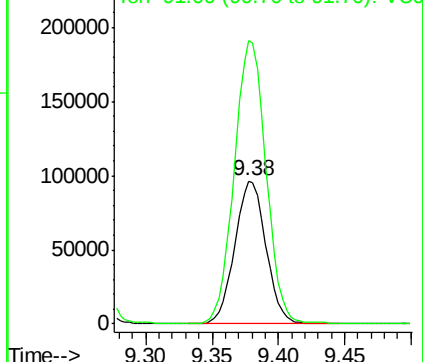
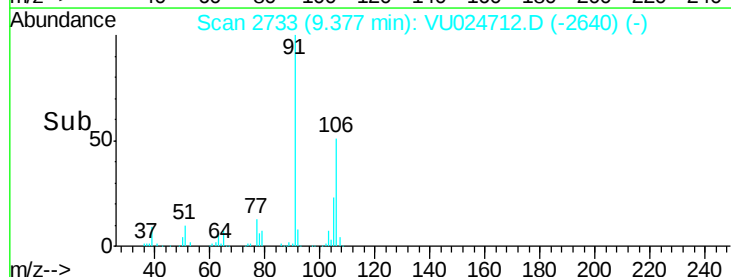
Ion Ratio Lower Upper

106 100

91 200.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024712.D (-2640) (-)





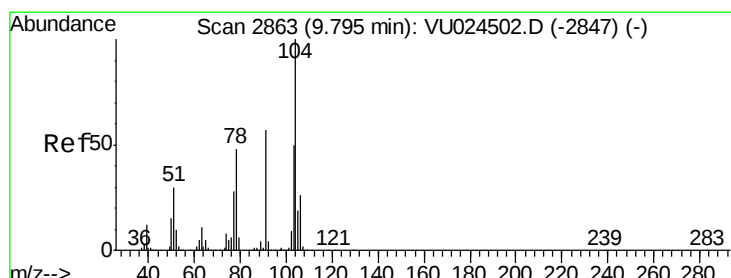
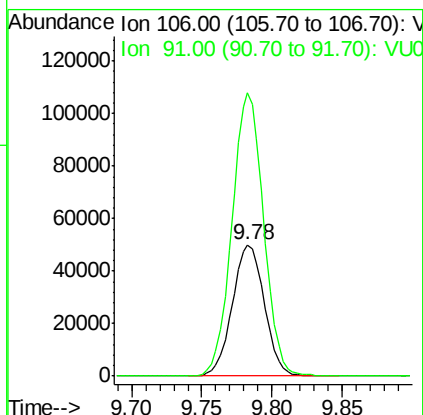
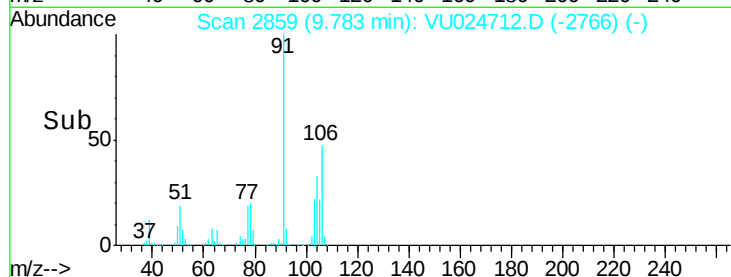
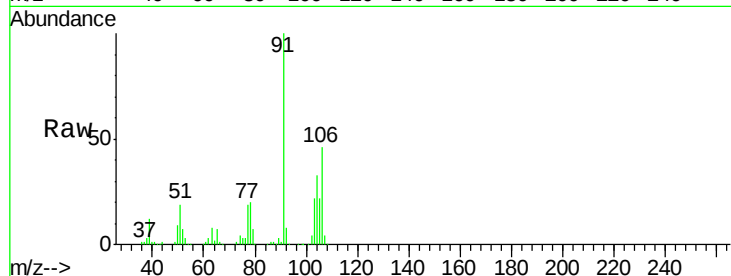
#69
o-Xylene
Concen: 20.10 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion:106 Resp: 79601
Ion Ratio Lower Upper
106 100
91 212.5 110.7 331.9

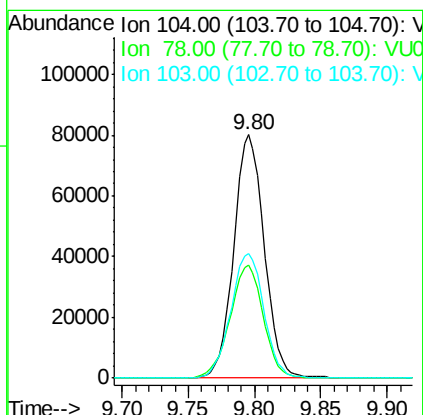
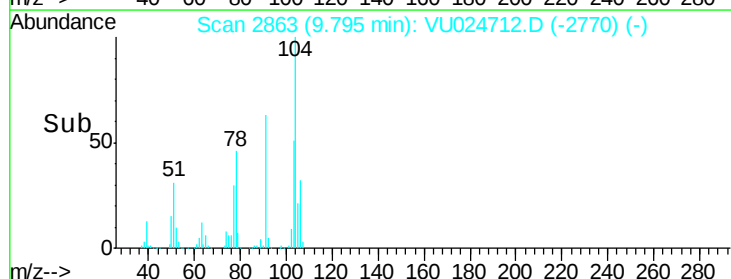
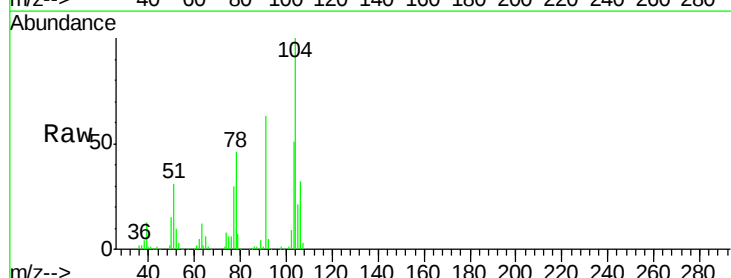
Manual Integrations
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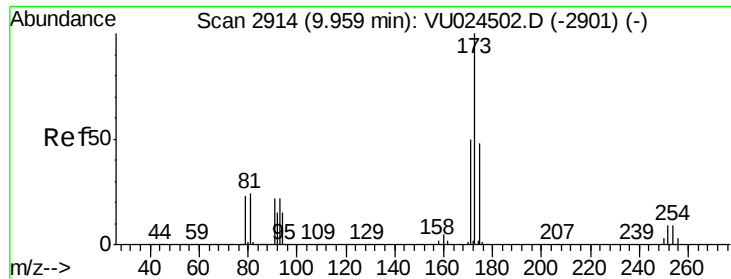
MMDadoda
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#70
Styrene
Concen: 19.73 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion:104 Resp: 128442
Ion Ratio Lower Upper
104 100
78 50.4 40.6 60.8
103 55.5 44.7 67.1





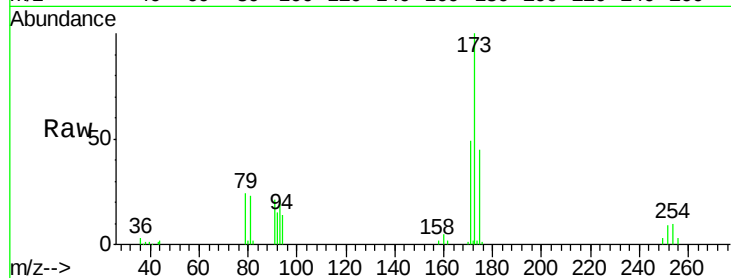
#71
Bromoform
Concen: 19.25 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

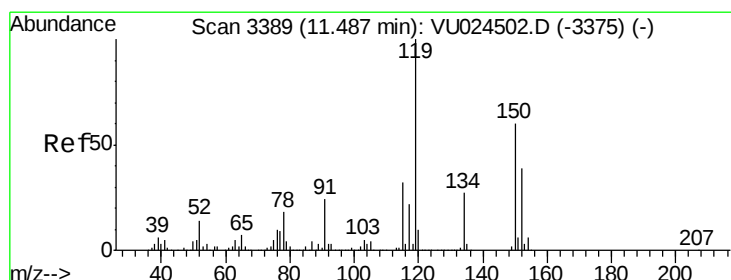
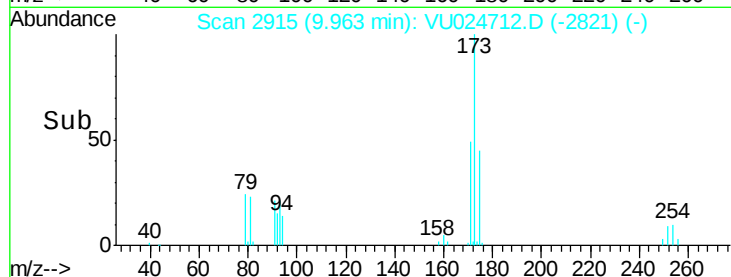
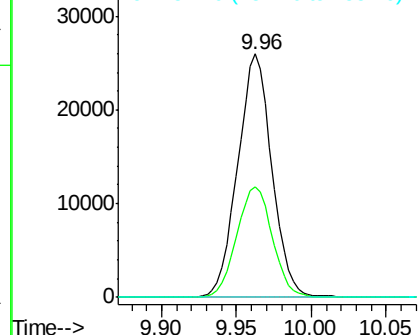
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.6	74.0
254	0.0	0.0	0.0

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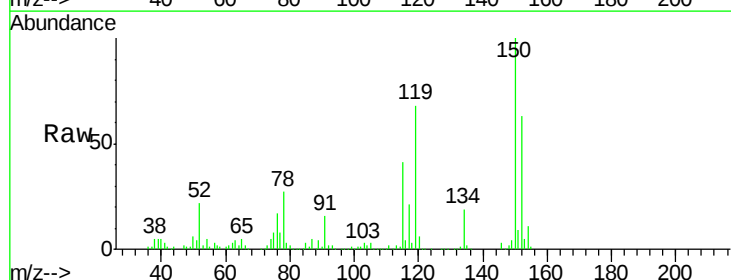


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

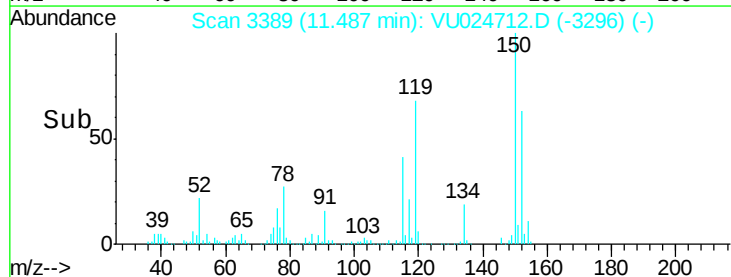
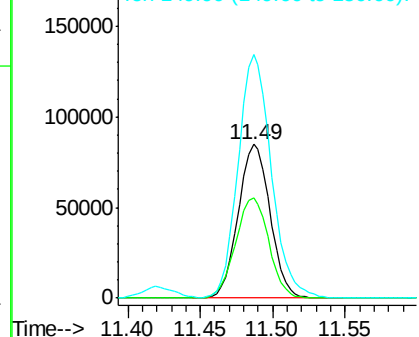


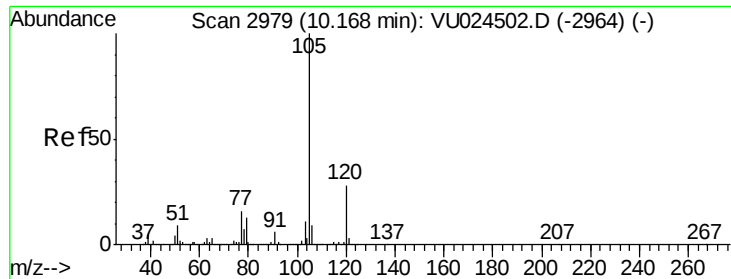
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.0	43.0	129.0
150	164.7	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: 20.98 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 105 Resp: 208714

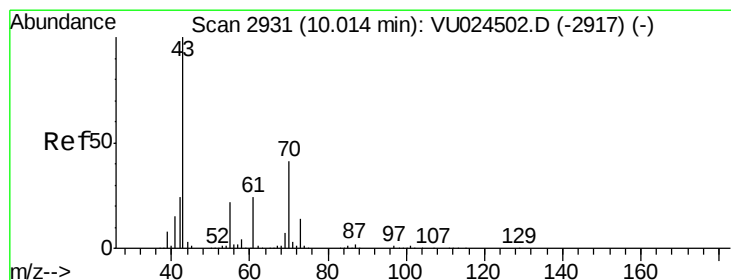
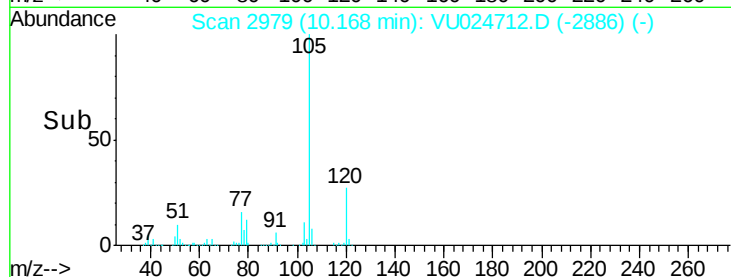
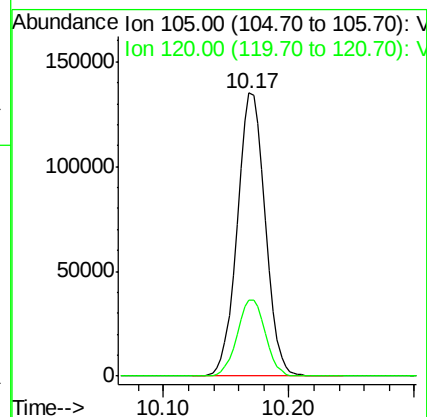
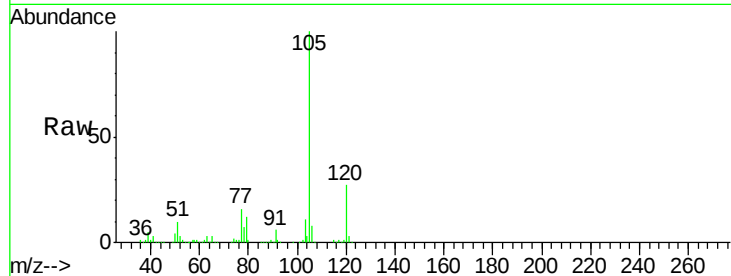
Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6

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#74

N-ethyl acetate

Concen: 22.08 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion: 43 Resp: 104490

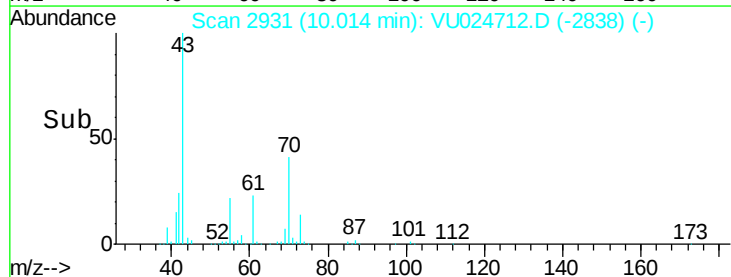
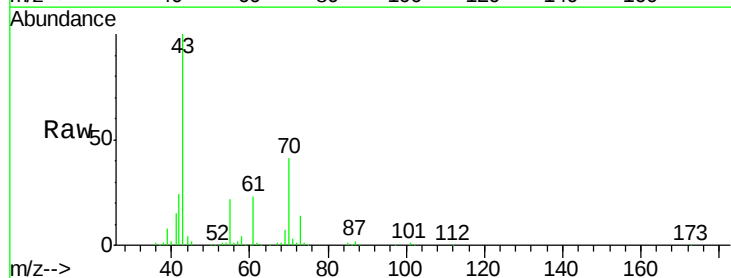
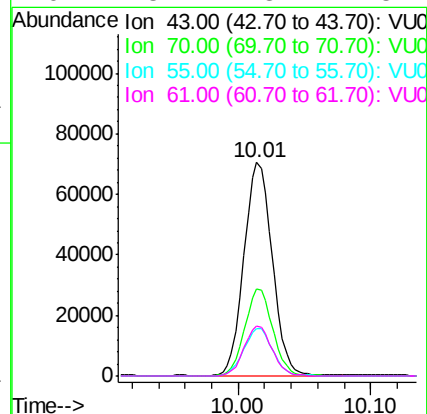
Ion Ratio Lower Upper

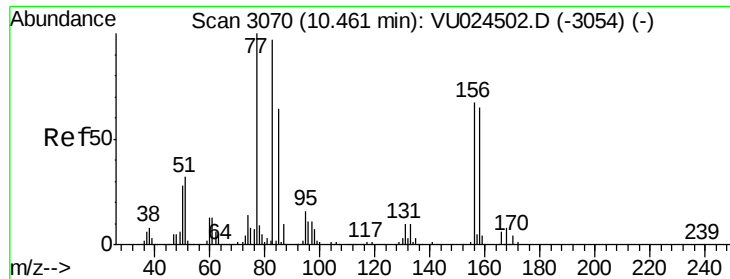
43 100

70 40.5 32.2 48.4

55 23.2 20.5 30.7

61 23.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.10 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 83 Resp: 76989

Ion Ratio Lower Upper

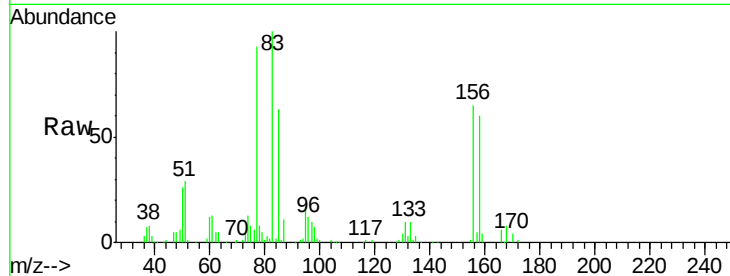
83 100

131 10.3 4.7 14.1

85 64.1 32.5 97.5

Manual Integrations
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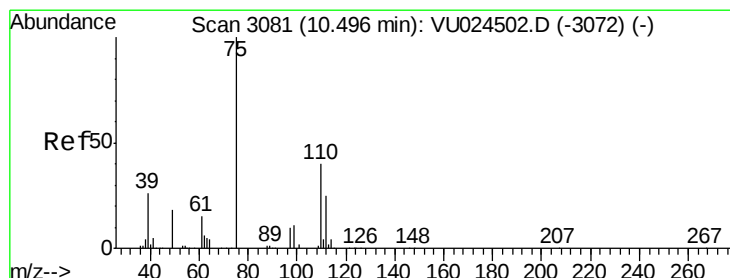
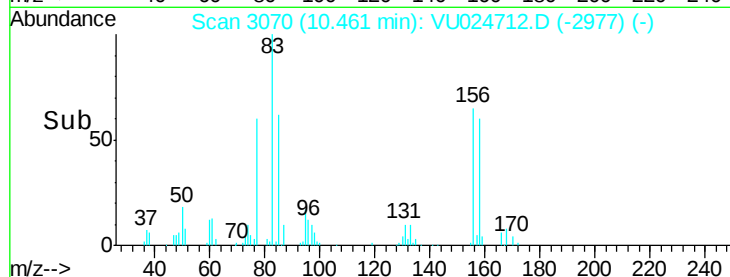


Abundance Ion 82.90 (82.60 to 83.60): VU024712.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024712.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024712.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.35 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024712.D

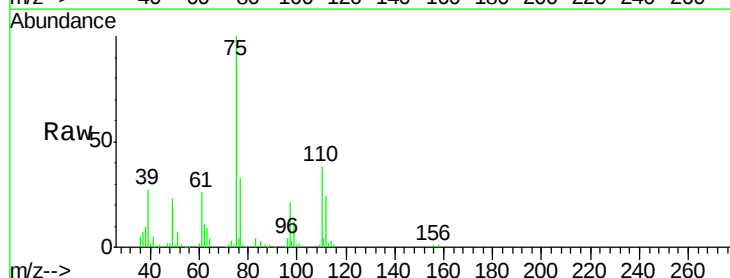
Acq: 19 Jun 2018 00:18

Tgt Ion: 75 Resp: 66597

Ion Ratio Lower Upper

75 100

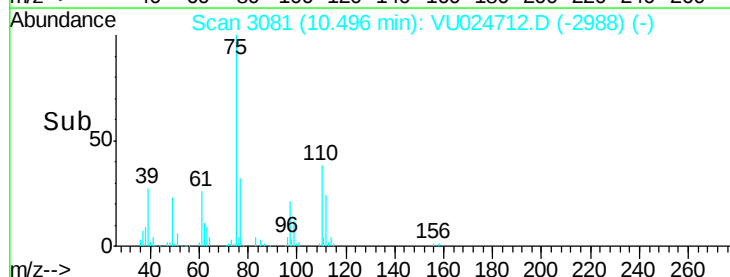
77 40.2 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024712.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024712.D (-2988) (-)

Time-->





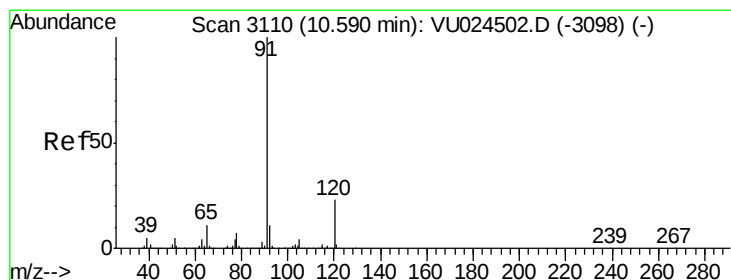
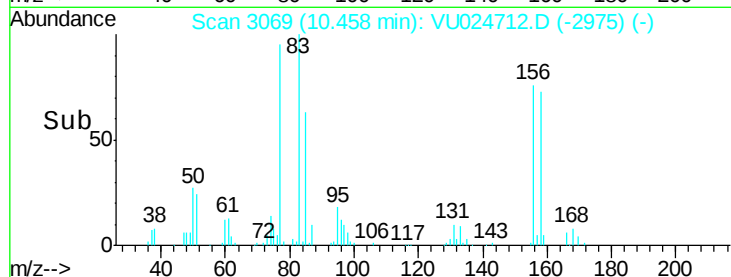
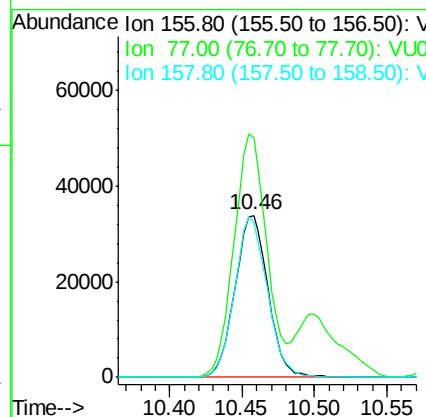
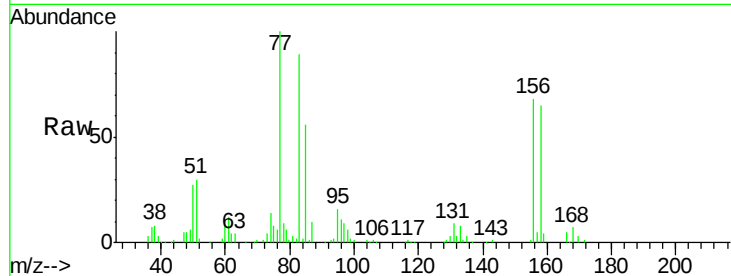
#77
Bromobenzene
Concen: 21.29 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.0	80.5	241.3
158	97.5	48.2	144.6

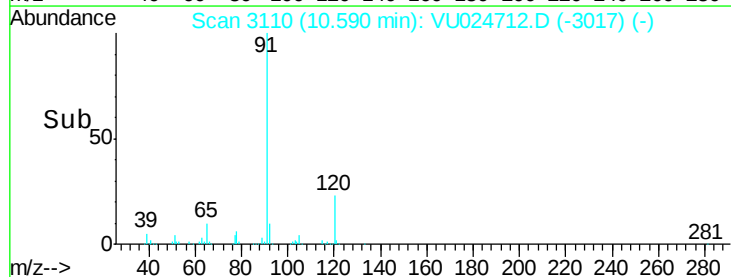
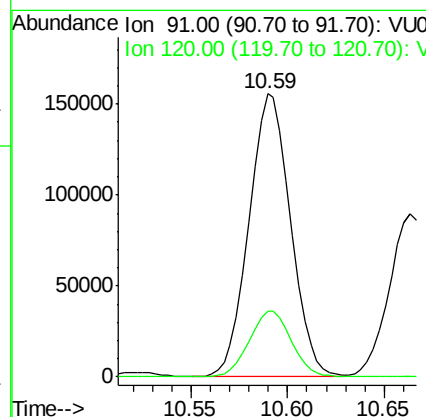
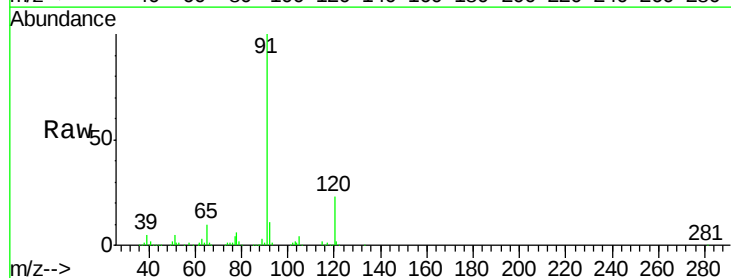
Manual Integrations
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#78
n-propylbenzene
Concen: 19.81 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.33 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion: 91 Resp: 140456

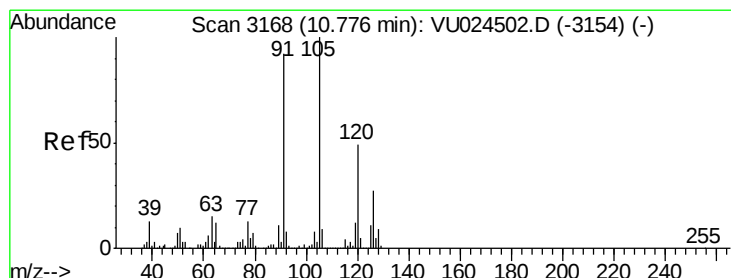
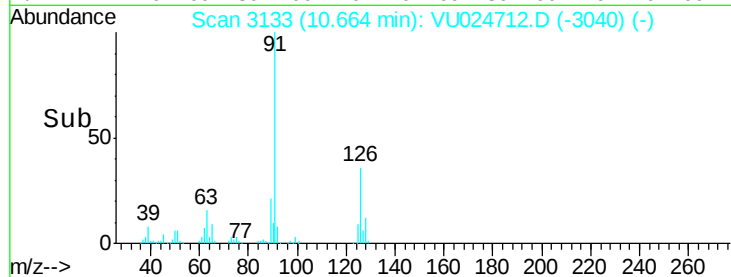
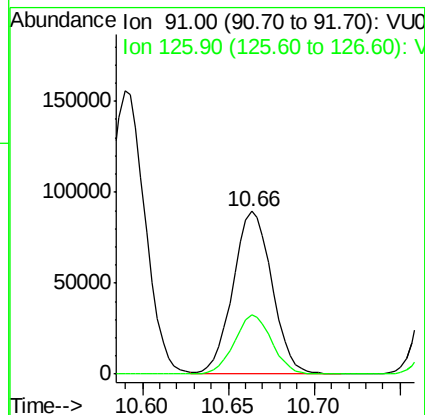
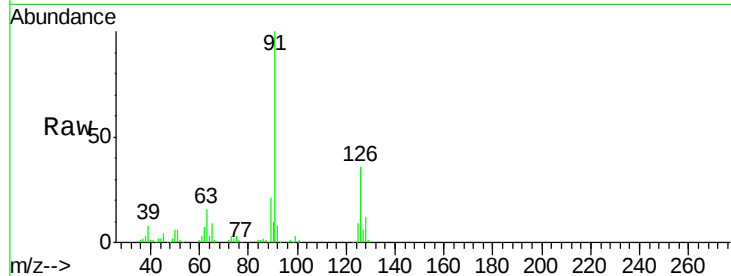
Ion Ratio Lower Upper

91 100

126 35.1 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.46 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024712.D

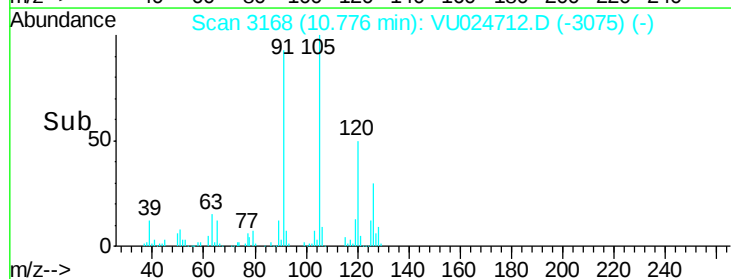
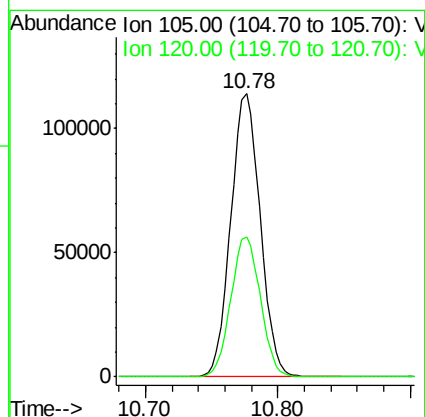
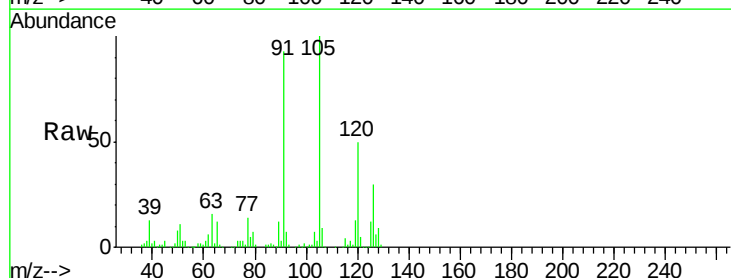
Acq: 19 Jun 2018 00:18

Tgt Ion: 105 Resp: 176429

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





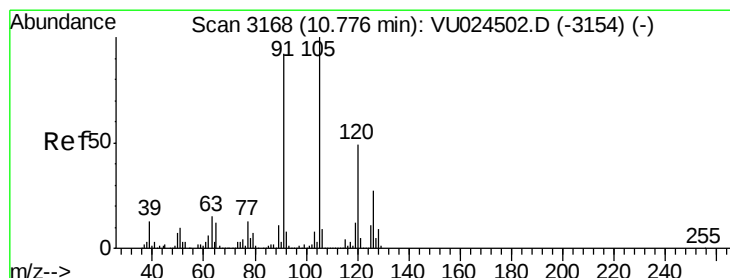
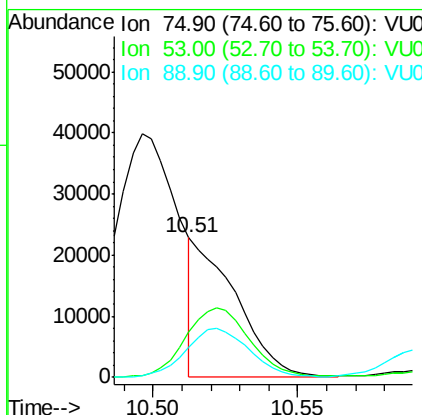
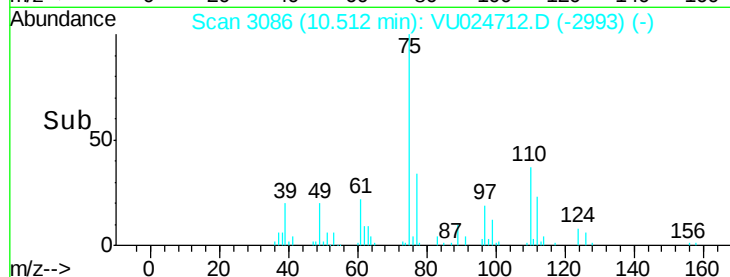
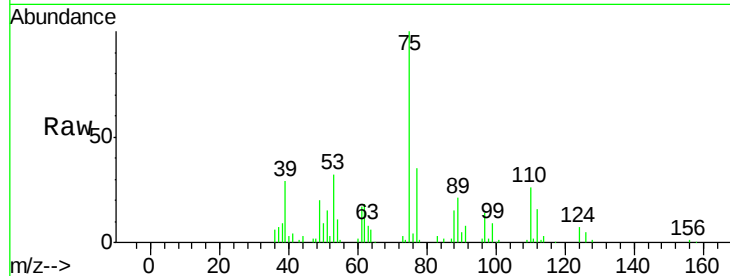
#81
trans-1,4-Dichloro-2-butene
Concen: 18.78 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

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

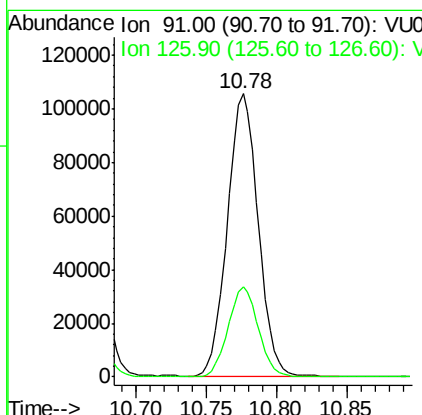
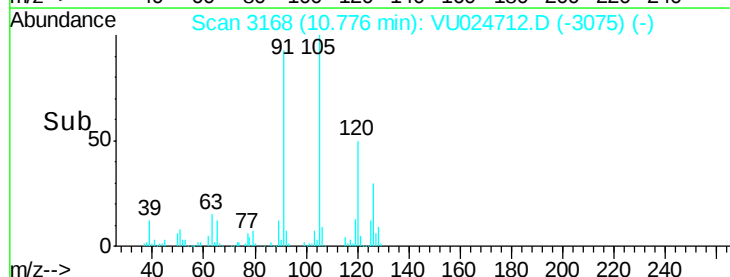
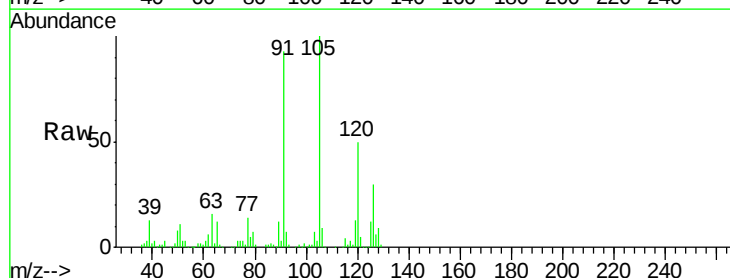
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.08 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	14.9	44.9





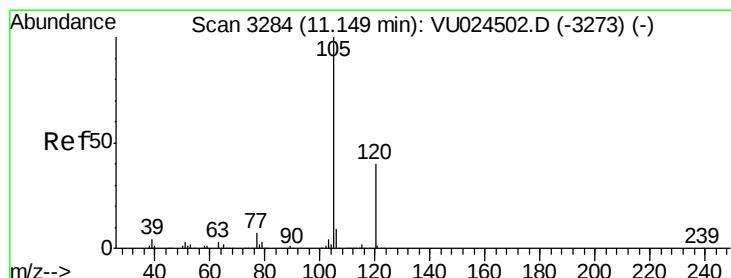
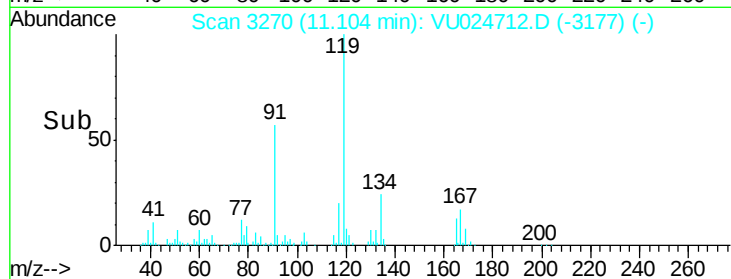
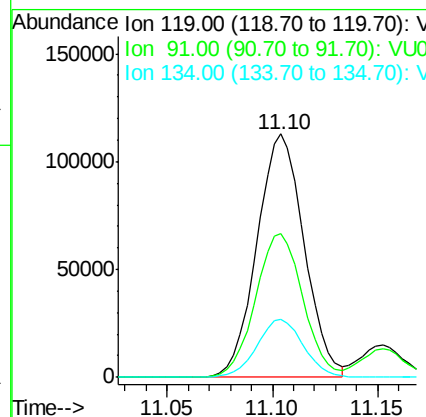
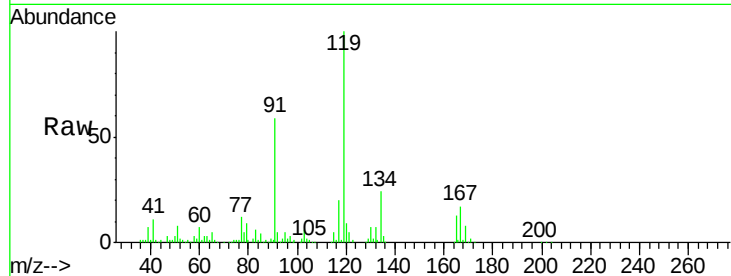
#83
 tert-Butylbenzene
 Concen: 21.16 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175475		
91	59.5	29.7	89.1	
134	23.4	11.6	34.7	

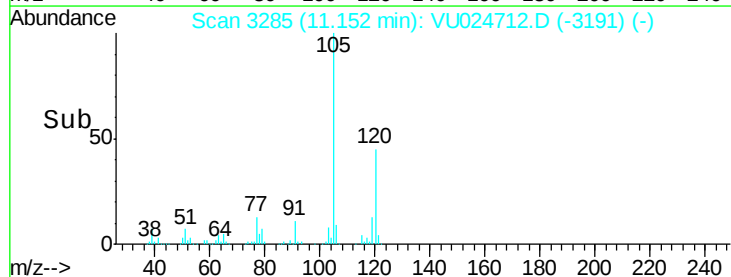
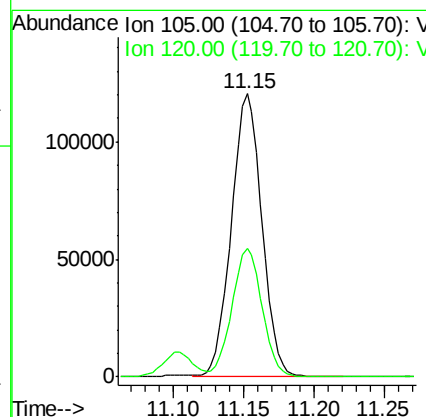
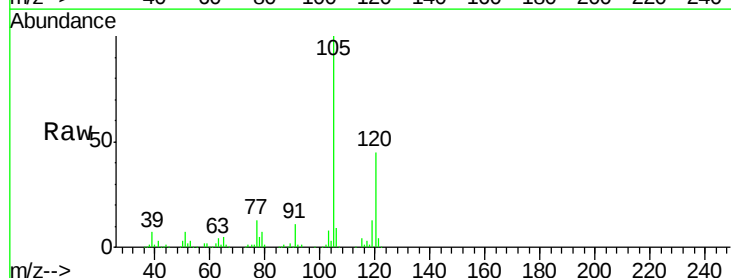
Manual Integrations
 APPROVED

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 6/19/2018 1:55:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.78 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182589		
120	44.9	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.44 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS03

Tot Ion:105 Resp: 212218

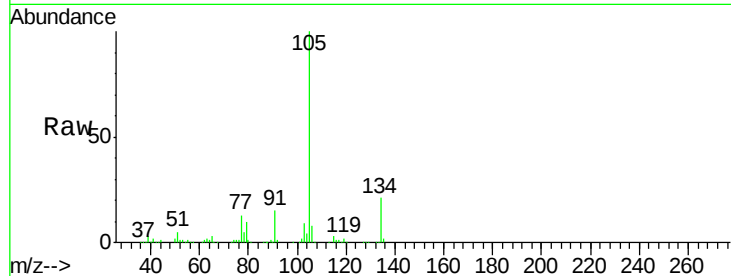
Ion Ratio Lower Upper

105 100

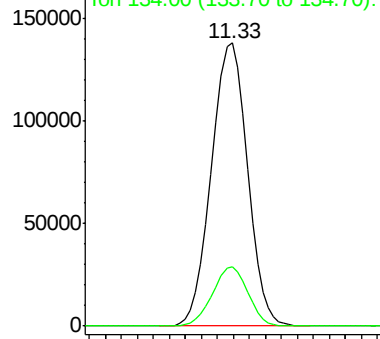
134 20.5 9.7 29.1

Manual Integrations
APPROVED

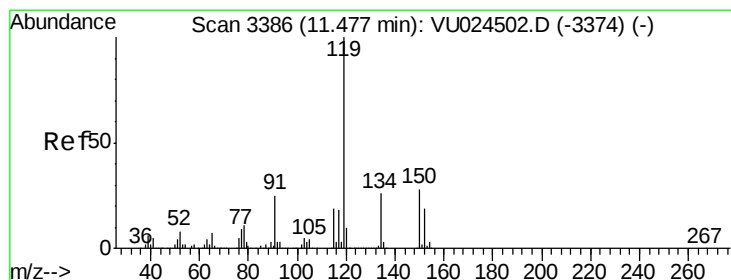
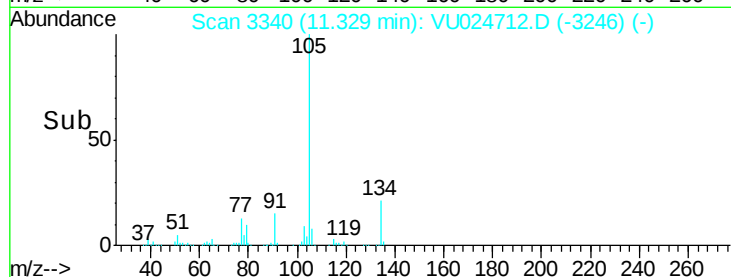
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Abundance Ion 105.00 (104.70 to 105.70): V



Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 19.98 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

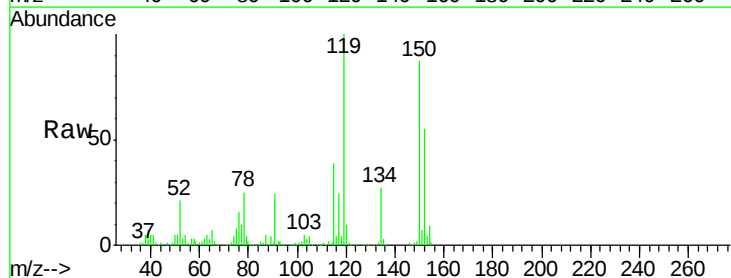
Tgt Ion:119 Resp: 185796

Ion Ratio Lower Upper

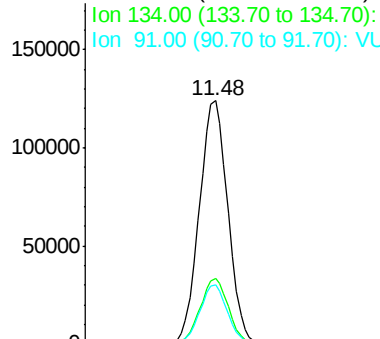
119 100

134 26.7 12.9 38.6

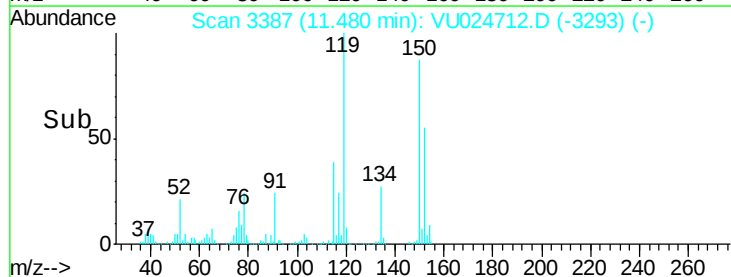
91 23.8 12.0 36.1

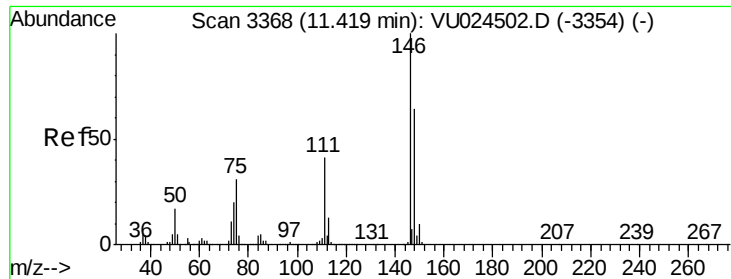


Abundance Ion 119.00 (118.70 to 119.70): V



Time--> 11.40 11.50





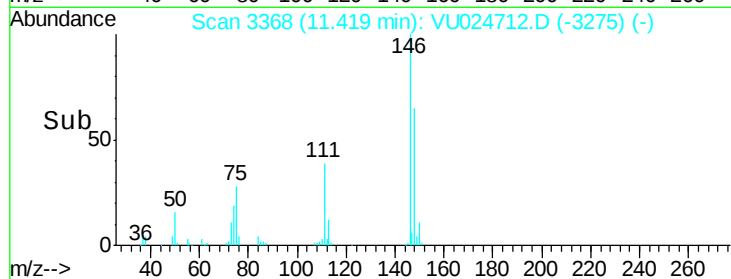
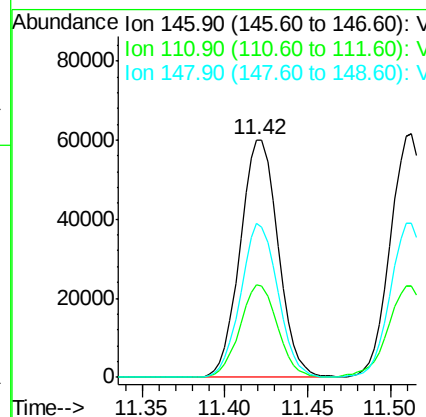
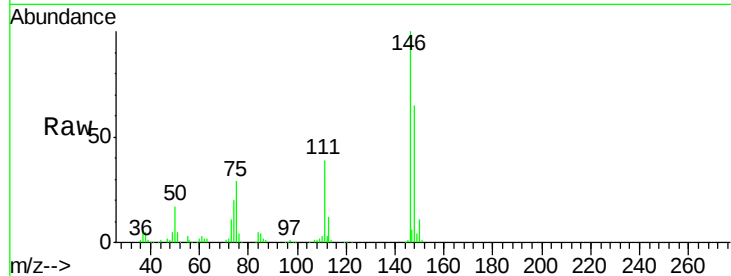
#87
 1,3-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	63.4	32.1	96.5

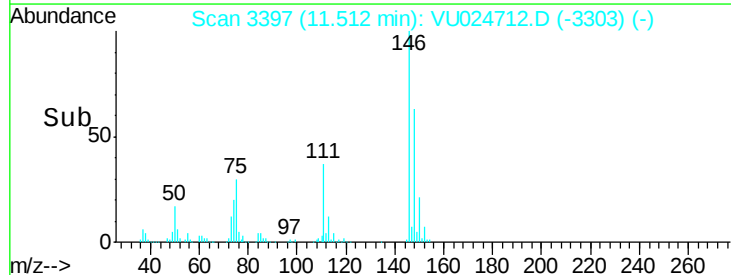
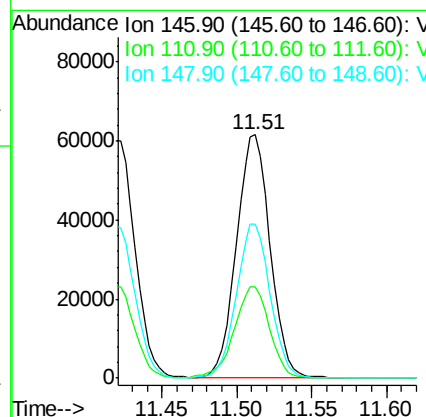
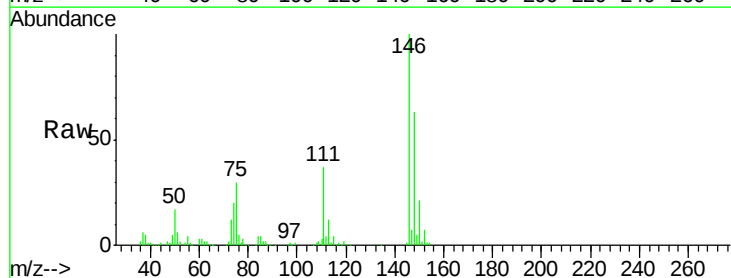
Manual Integrations
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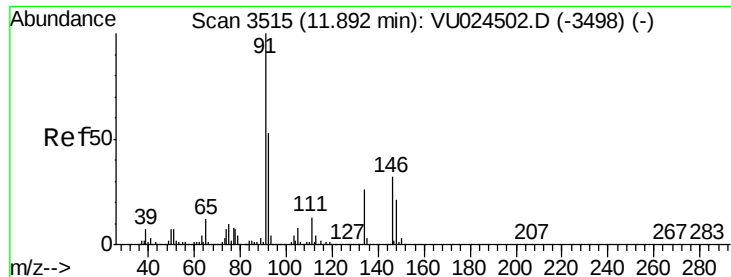
MMDadoda
 6/19/2018 1:55:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.59 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	63.7	32.4	97.0





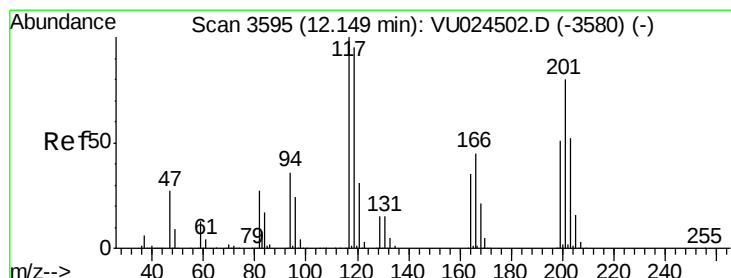
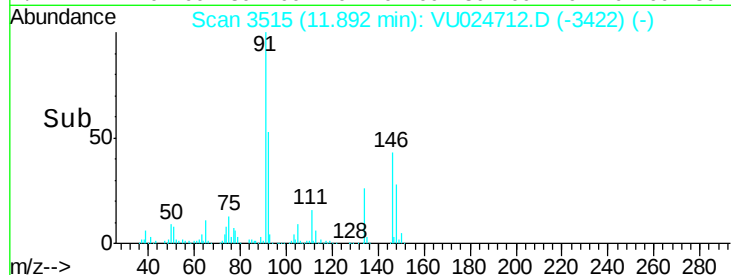
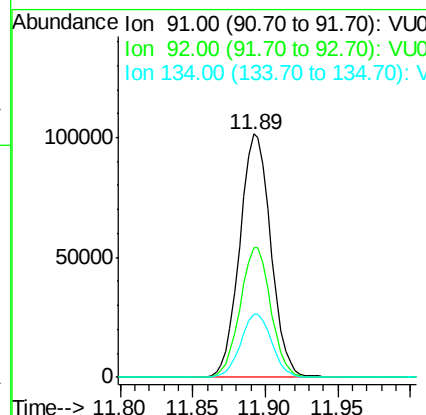
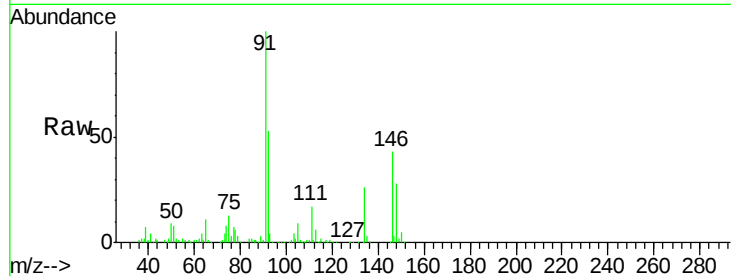
#89
n-Butylbenzene
Concen: 18.37 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	151595		
92	52.6		25.6	76.8
134	25.9		12.3	36.8

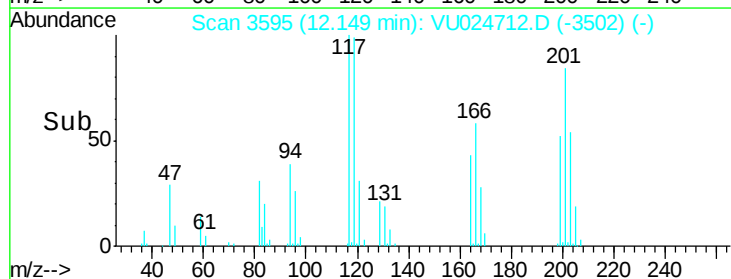
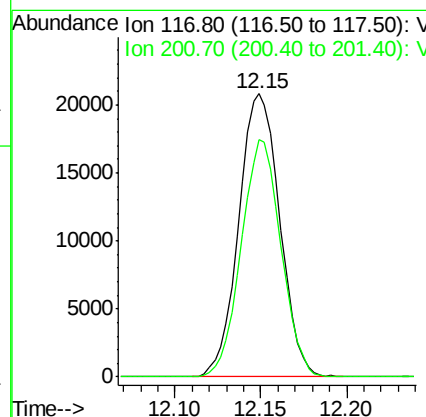
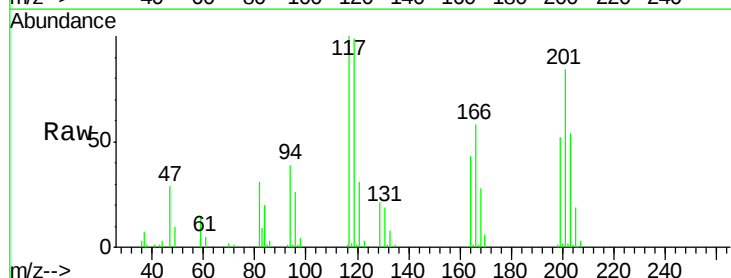
Manual Integrations
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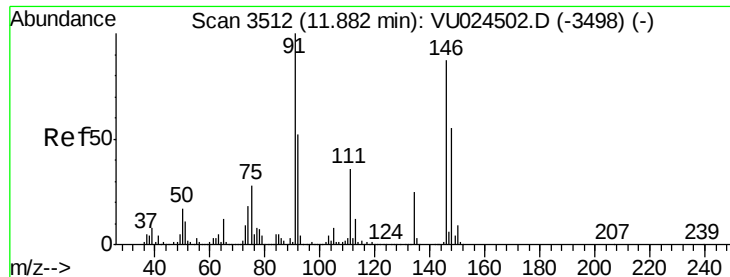
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#90
Hexachloroethane
Concen: 19.02 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024712.D
Acq: 19 Jun 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34493		
201	81.1		41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 21.24 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

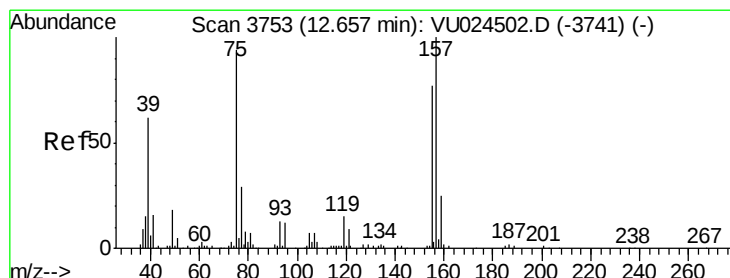
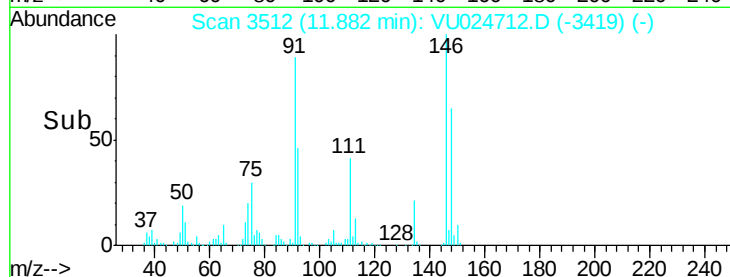
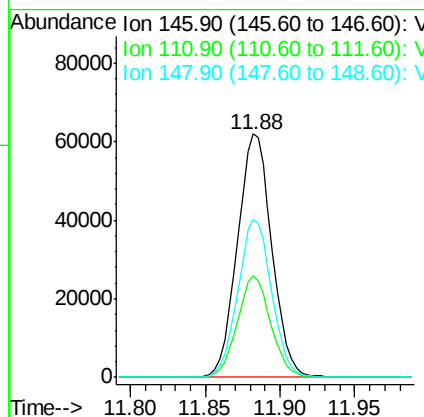
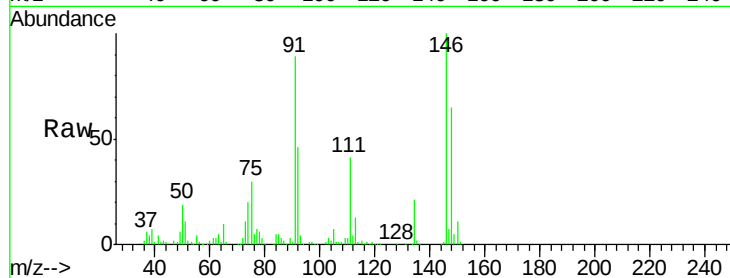
ClientSampleId :

VU0618WBS03

Tot Ion:	146	Resp:	98974
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.5	61.6
148	63.9	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.88 ug/l

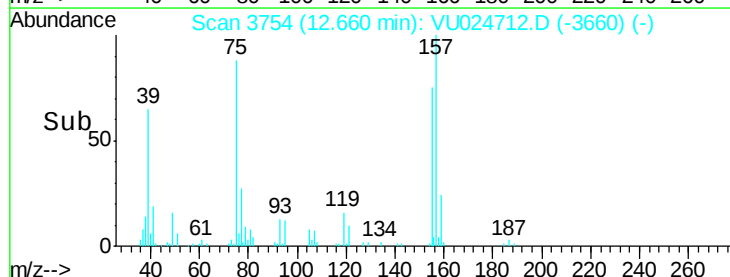
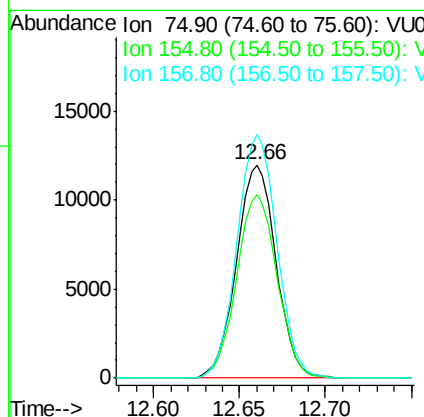
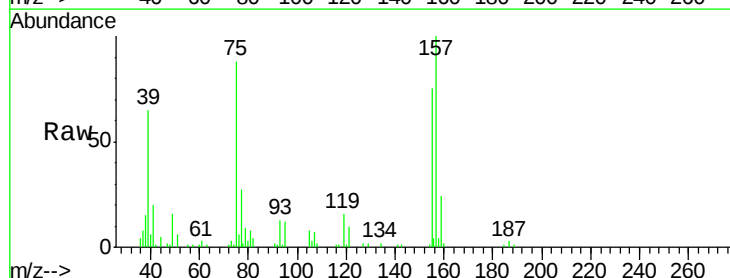
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	75	Resp:	19203
Ion Ratio	Lower	Upper	
75	100		
155	87.8	40.4	121.2
157	114.9	52.3	156.8





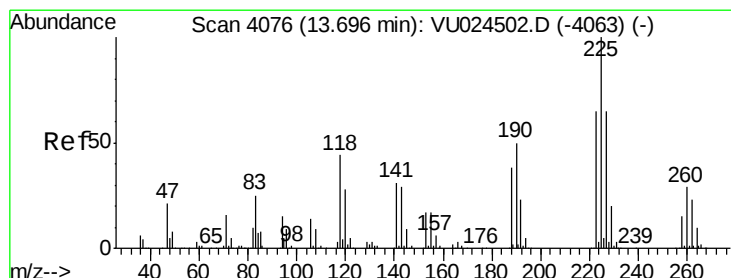
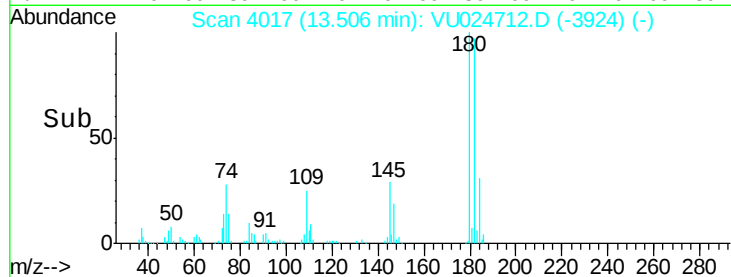
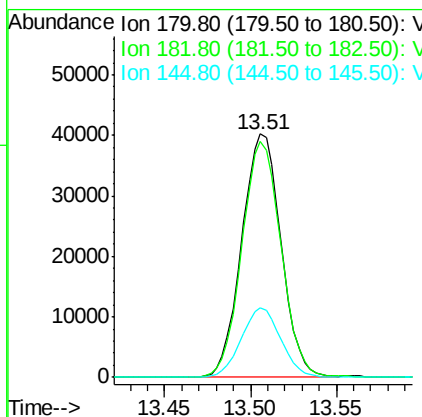
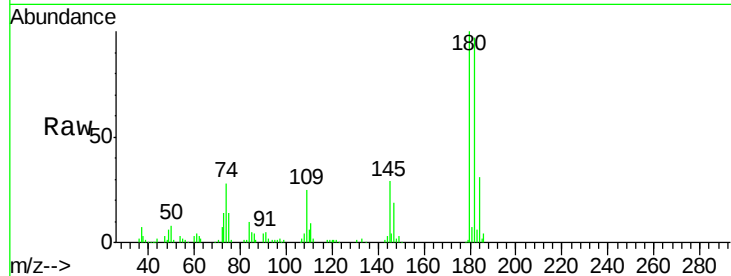
#93
 1,2,4-Trichlorobenzene
 Concen: 22.13 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Tot Ion:	180	Resp:	63680
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.0	144.2
145	28.7	14.7	44.1

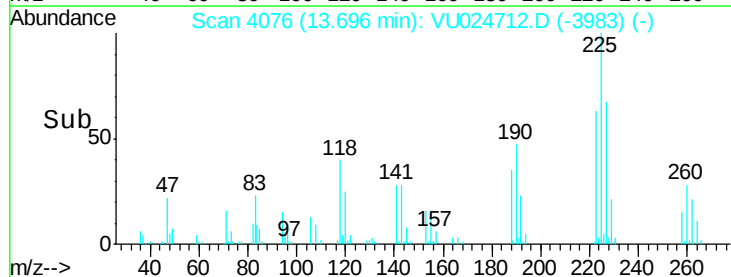
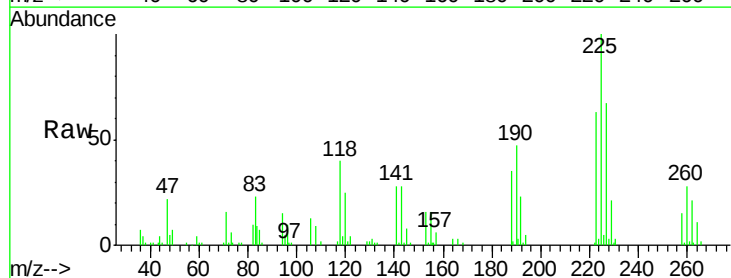
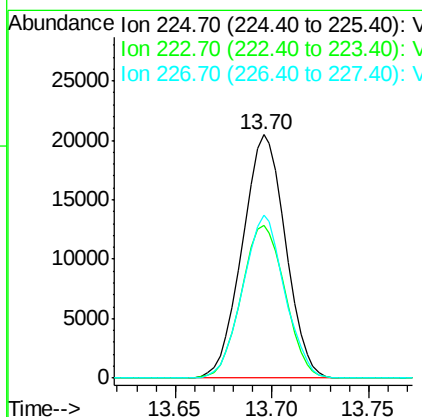
Manual Integrations
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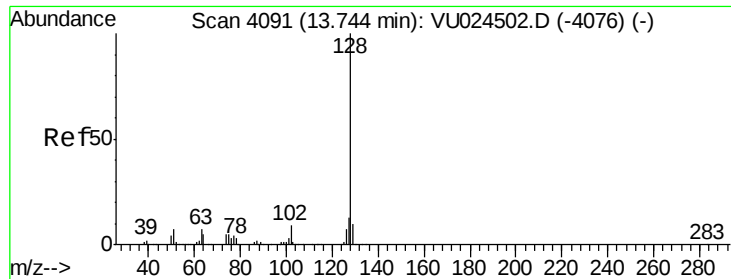
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 6/19/2018 1:55:08 PM



#94
 Hexachlorobutadiene
 Concen: 19.64 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024712.D
 Acq: 19 Jun 2018 00:18

Tgt Ion:	225	Resp:	31814
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.3	93.8
227	64.9	31.8	95.4





#95

Naphthalene

Concen: 24.41 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Instrument :

MSVOA_U

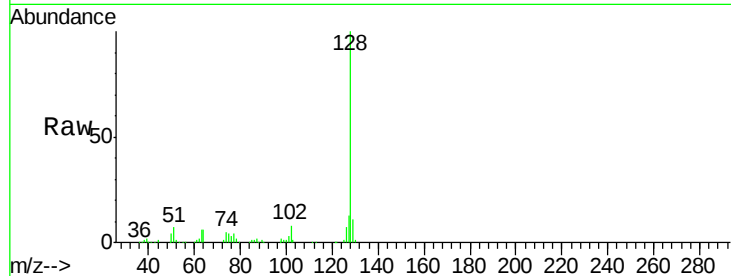
ClientSampleId :

VU0618WBS03

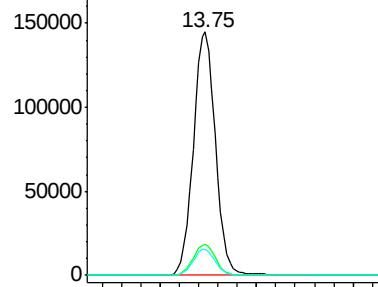
Tot Ion:	128	Resp:	229166
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations
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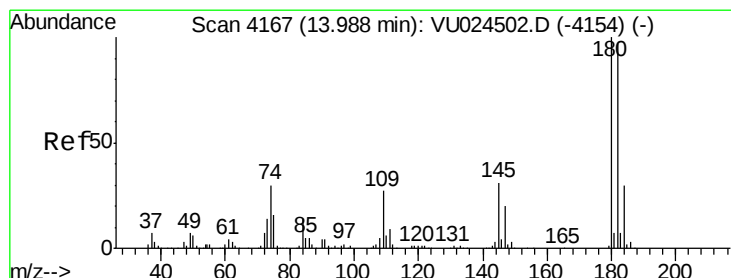
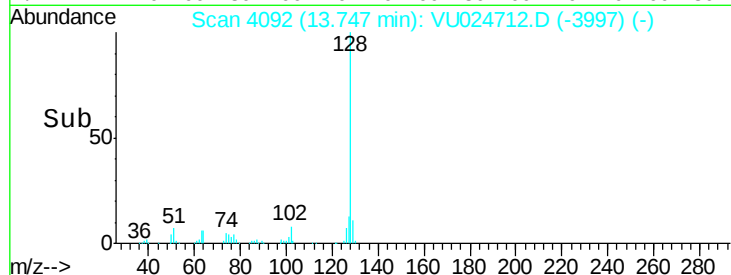
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 23.96 ug/l

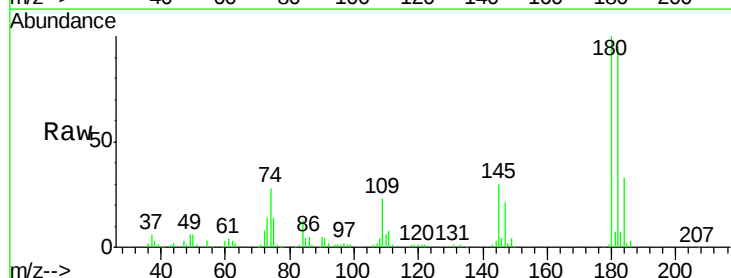
RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

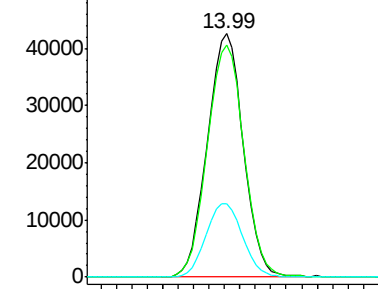
Lab File: VU024712.D

Acq: 19 Jun 2018 00:18

Tgt Ion:	180	Resp:	68696
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.9	143.7
145	30.8	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



Time-->

