

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024553.D
 Acq On : 14 Jun 2018 20:21
 Operator : MD/SY
 Sample : J3443-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:43:50 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	165640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267523	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158571	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	130108	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.22%		
35) Dibromofluoromethane	4.89	113	113029	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.82%		
50) Toluene-d8	7.57	98	418542	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.36%		
62) 4-Bromofluorobenzene	10.31	95	166198	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	89344	43.093	ug/l	97
3) Chloromethane	1.33	50	98737	46.614	ug/l	99
4) Vinyl Chloride	1.40	62	109270	50.022	ug/l	98
5) Bromomethane	1.63	94	58303	55.212	ug/l	100
6) Chloroethane	1.70	64	66979	54.977	ug/l	99
7) Trichlorofluoromethane	1.89	101	161781	48.530	ug/l	98
8) Diethyl Ether	2.10	74	62026	54.856	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	92695	44.820	ug/l	98
10) Methyl Iodide	2.41	142	67368	39.707	ug/l	98
11) Tert butyl alcohol	2.82	59	143622	218.382	ug/l	98
12) 1,1-Dichloroethene	2.28	96	90193	47.821	ug/l	94
13) Acrolein	2.19	56	74430	215.517	ug/l	100
14) Allyl chloride	2.60	41	156398	44.661	ug/l	94
15) Acrylonitrile	2.94	53	325433	254.332	ug/l	98
16) Acetone	2.32	43	263174	181.135	ug/l	98
17) Carbon Disulfide	2.48	76	283423	46.930	ug/l	99
18) Methyl Acetate	2.62	43	142488	45.746	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	334788	47.222	ug/l	96
20) Methylene Chloride	2.70	84	107257	47.048	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	101977	49.091	ug/l	95
22) Diisopropyl ether	3.57	45	339046	48.840	ug/l	95
23) Vinyl Acetate	3.53	43	1440952	231.717	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192042	48.088	ug/l	99
25) 2-Butanone	4.26	43	455990	233.650	ug/l	98
26) 2,2-Dichloropropane	4.23	77	152229	40.144	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	117888	49.363	ug/l	95
28) Bromochloromethane	4.55	49	91438	51.983	ug/l	87
29) Tetrahydrofuran	4.64	42	301443	249.424	ug/l	98
30) Chloroform	4.68	83	194671	48.161	ug/l	99
31) Cyclohexane	5.00	56	176034	49.623	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	173446	46.403	ug/l	95
36) 1,1-Dichloropropene	5.14	75	145194	46.187	ug/l	97
37) Ethyl Acetate	4.38	43	160717	46.907	ug/l #	96
38) Carbon Tetrachloride	5.14	117	161131	46.611	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	180038	45.893	ug/l	94
40) Benzene	5.39	78	427754	47.753	ug/l	99
41) Methacrylonitrile	4.54	41	94410	51.106	ug/l	97
42) 1,2-Dichloroethane	5.41	62	154180	45.193	ug/l	97
43) Isopropyl Acetate	5.55	43	272697	46.044	ug/l	98
44) Trichloroethene	6.19	130	119081	46.711	ug/l	94
45) 1,2-Dichloropropane	6.44	63	117619	49.211	ug/l	98
46) Dibromomethane	6.56	93	82656	49.235	ug/l	95
47) Bromodichloromethane	6.76	83	158783	47.497	ug/l	98
48) Methyl methacrylate	6.63	41	137795	47.781	ug/l	99
49) 1,4-Dioxane	6.61	88	50915	902.772	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	913935	245.627	ug/l	98
52) Toluene	7.64	92	275606	47.824	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	177613	47.310	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	187461	46.861	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	110775	47.288	ug/l	99
56) Ethyl methacrylate	8.02	69	190217	48.514	ug/l	100
57) 1,3-Dichloropropane	8.25	76	191727	48.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	655	0.436	ug/l #	50
59) 2-Hexanone	8.36	43	715576	235.565	ug/l	99
60) Dibromochloromethane	8.48	129	137830	47.183	ug/l	100
61) 1,2-Dibromoethane	8.59	107	126106	48.365	ug/l	99
64) Tetrachloroethene	8.23	164	99537	39.822	ug/l	99
65) Chlorobenzene	9.12	112	315788	47.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	118652	46.490	ug/l	98
67) Ethyl Benzene	9.25	91	541866	46.011	ug/l	98
68) m/p-Xylenes	9.38	106	420043	92.883	ug/l	98
69) o-Xylene	9.78	106	209400	46.788	ug/l	95
70) Styrene	9.80	104	347051	47.187	ug/l	99
71) Bromoform	9.96	173	113814	46.917	ug/l #	100
73) Isopropylbenzene	10.17	105	552607	45.391	ug/l	99
74) N-amyl acetate	10.01	43	253931	43.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194933	47.781	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	224649	64.348	ug/l	82
77) Bromobenzene	10.45	156	143431	46.536	ug/l	96
78) n-propylbenzene	10.59	91	654631	45.646	ug/l	97
79) 2-Chlorotoluene	10.66	91	381441	45.102	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	477057	45.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	224649	148.928	ug/l #	100
82) 4-Chlorotoluene	10.78	91	452365	45.956	ug/l	99
83) tert-Butylbenzene	11.10	119	473326	46.631	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	484729	45.076	ug/l	98
85) sec-Butylbenzene	11.33	105	579119	45.580	ug/l	97
86) p-Isopropyltoluene	11.48	119	511829	44.979	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	263179	46.219	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	265267	46.284	ug/l	100
89) n-Butylbenzene	11.89	91	470145	46.537	ug/l	97
90) Hexachloroethane	12.15	117	98085	44.186	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	262506	46.026	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51075	45.372	ug/l	91

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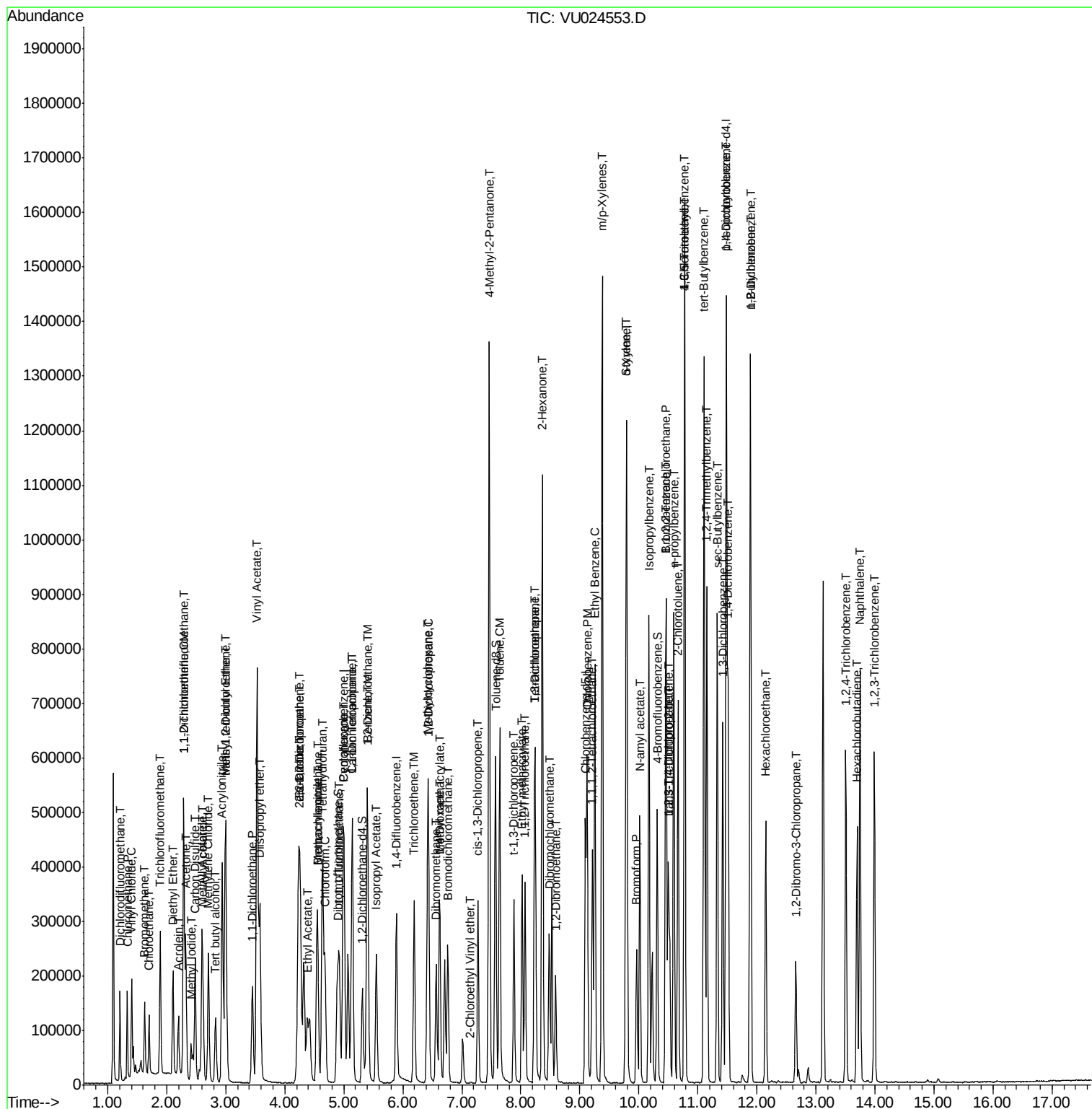
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	186314	52.900	ug/l	99
94) Hexachlorobutadiene	13.70	225	86157	43.461	ug/l	99
95) Naphthalene	13.74	128	583868	50.075	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	188932	53.835	ug/l	99

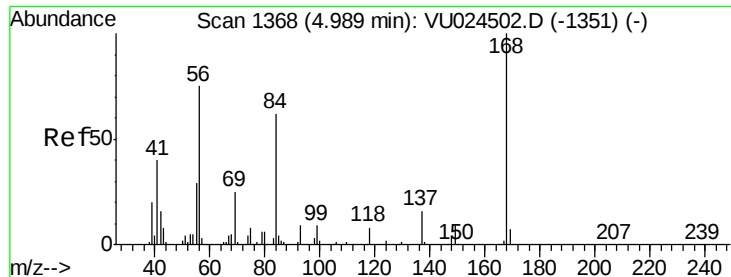
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

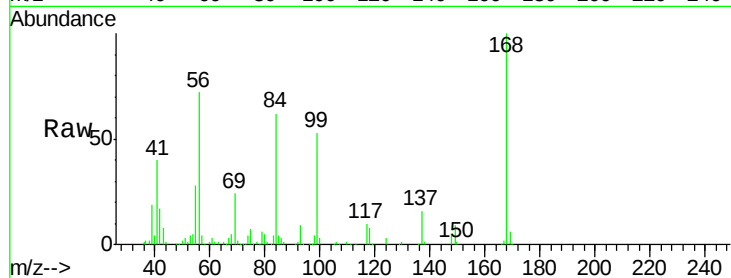
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 165640

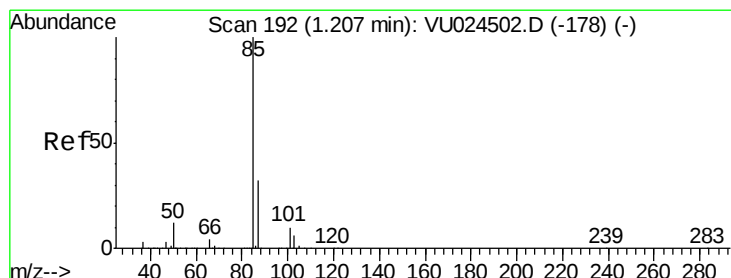
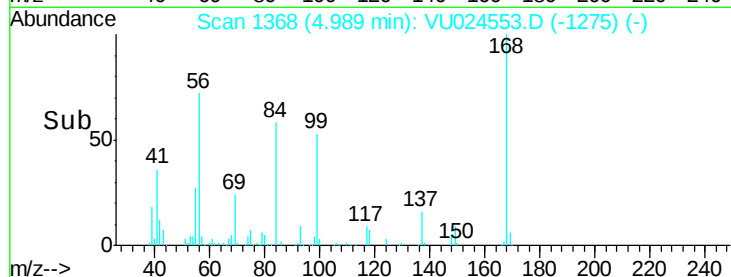
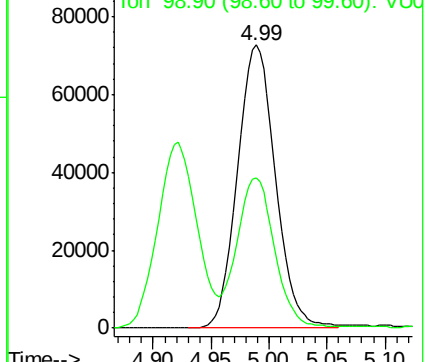
Ion Ratio Lower Upper

168 100

99 52.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024553.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 43.093 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024553.D

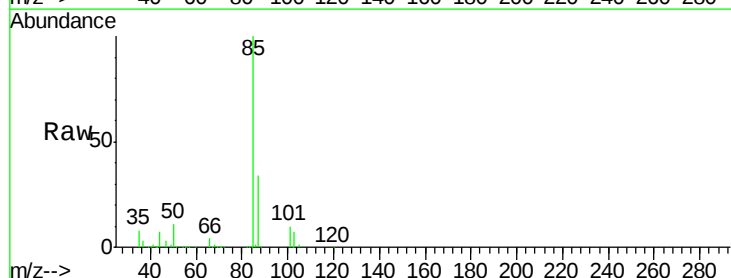
Acq: 14 Jun 2018 20:21

Tgt Ion: 85 Resp: 89344

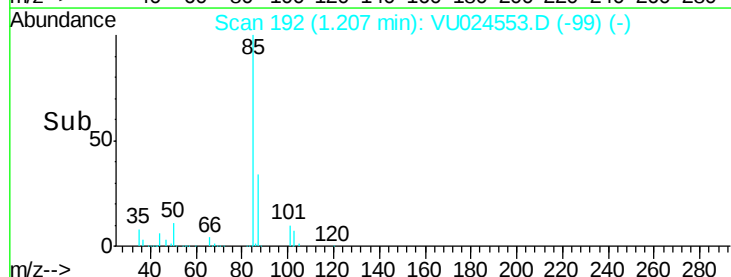
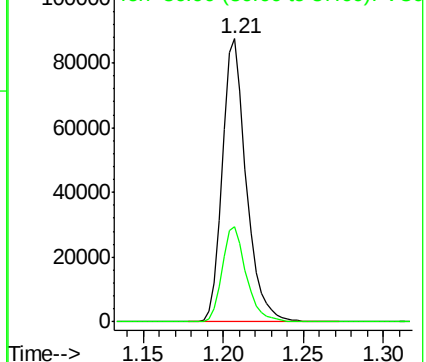
Ion Ratio Lower Upper

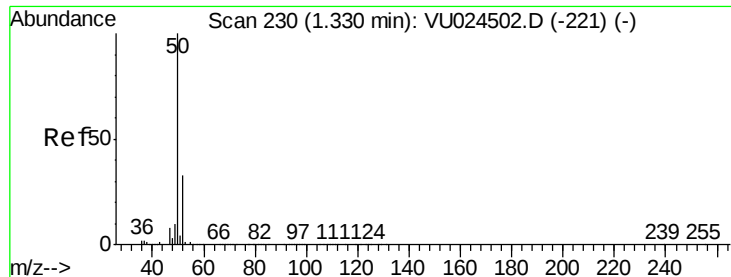
85 100

87 33.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024553.D (-99) (-)





#3

Chloromethane

Concen: 46.614 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

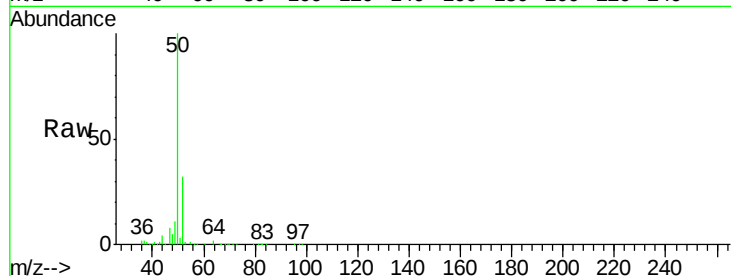
ClientSampled :

Tot Ion: 50 Resp: 98737

Ion Ratio Lower Upper

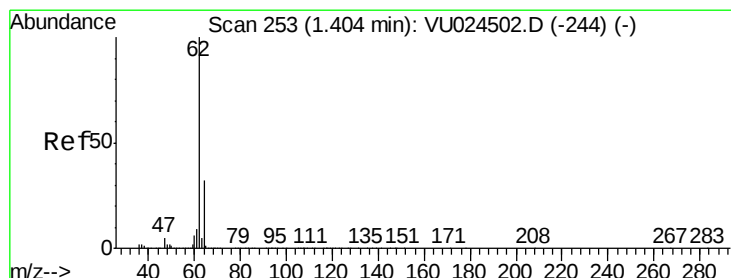
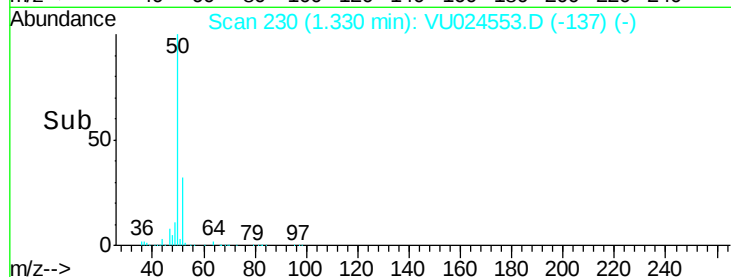
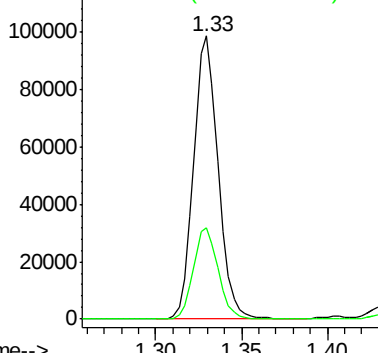
50 100

52 32.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.022 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024553.D

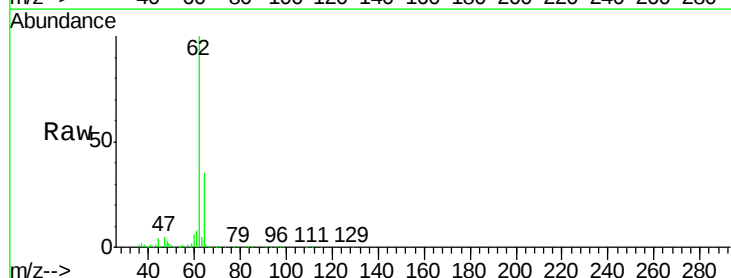
Acq: 14 Jun 2018 20:21

Tgt Ion: 62 Resp: 109270

Ion Ratio Lower Upper

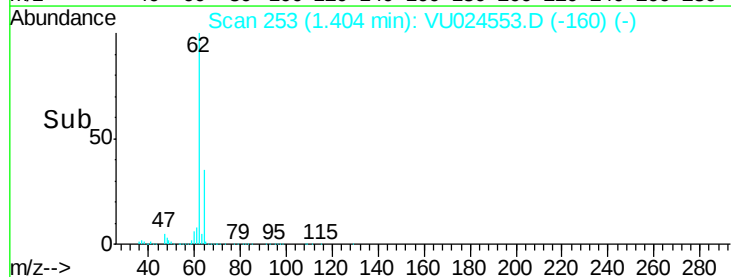
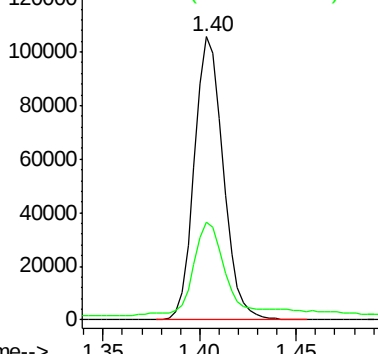
62 100

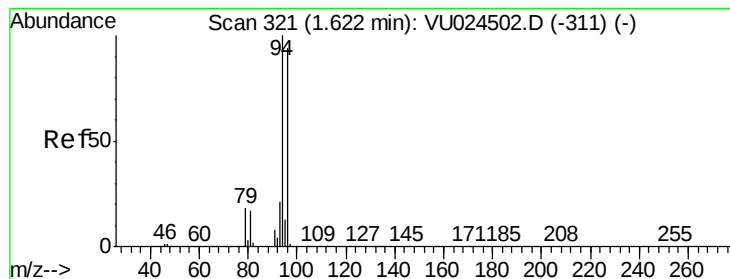
64 32.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 55.212 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

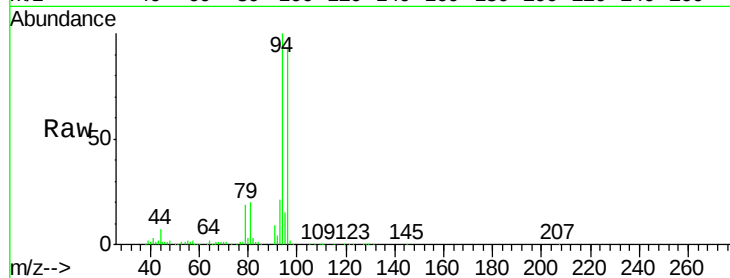
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 58303

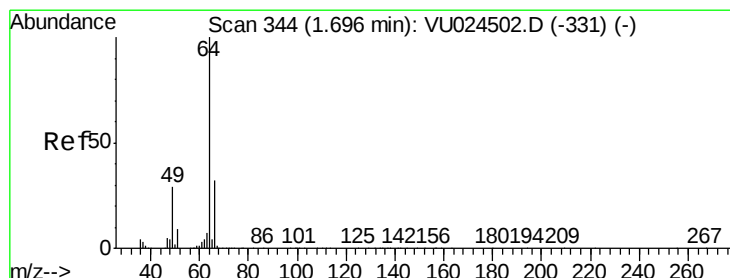
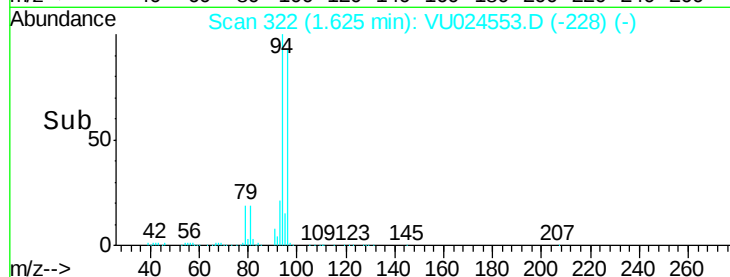
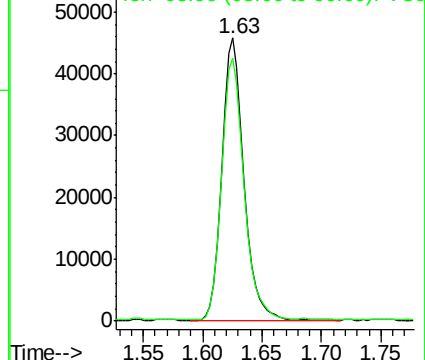
Ion Ratio Lower Upper

94 100

96 92.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 54.977 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024553.D

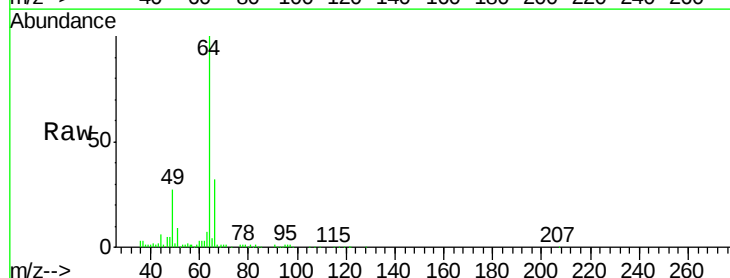
Acq: 14 Jun 2018 20:21

Tgt Ion: 64 Resp: 66979

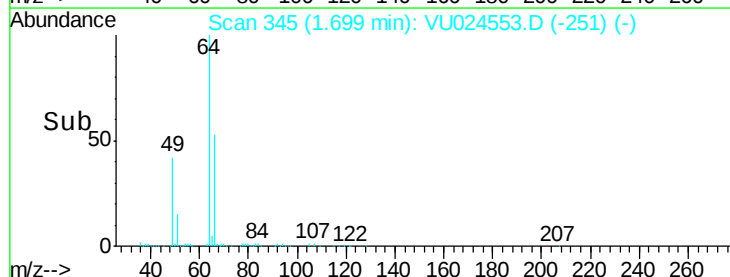
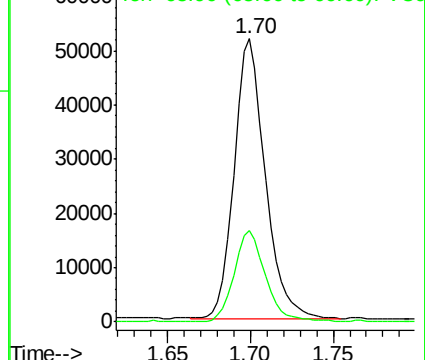
Ion Ratio Lower Upper

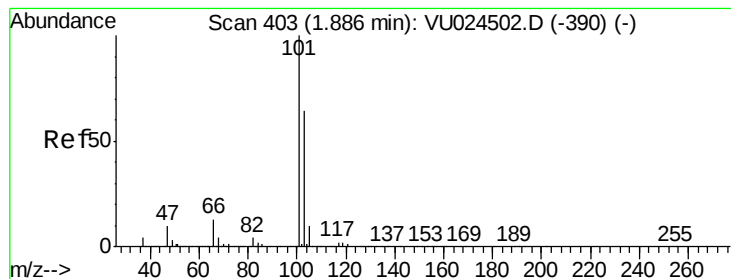
64 100

66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



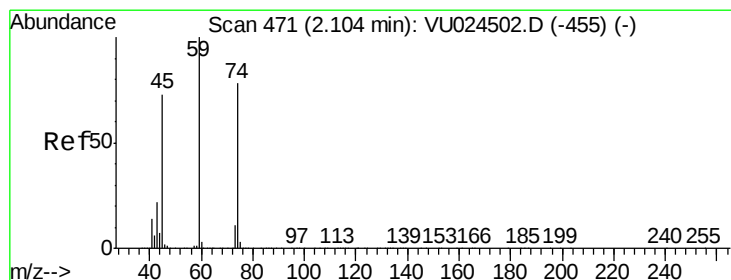
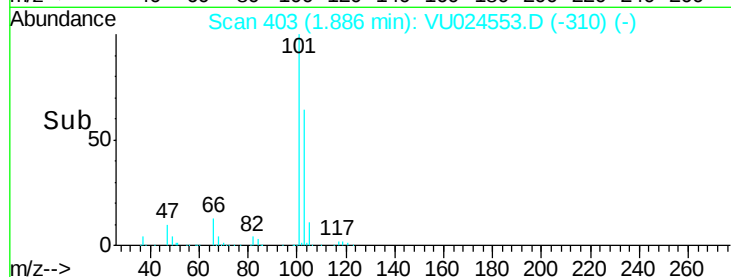
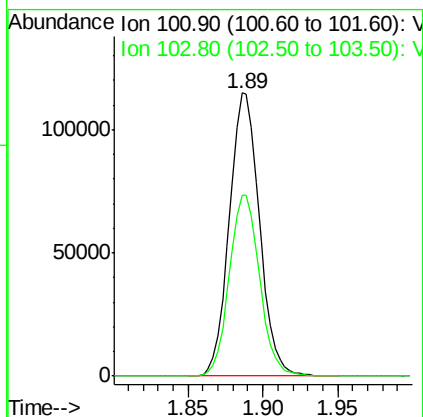
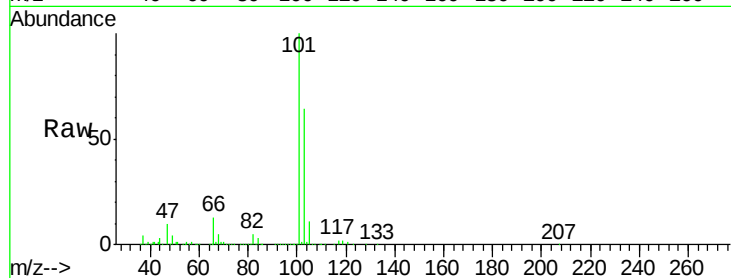


#7

Trichlorofluoromethane
Concen: 48.530 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024553.D
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Instrument :
MSVOA_U
ClientSampleId :

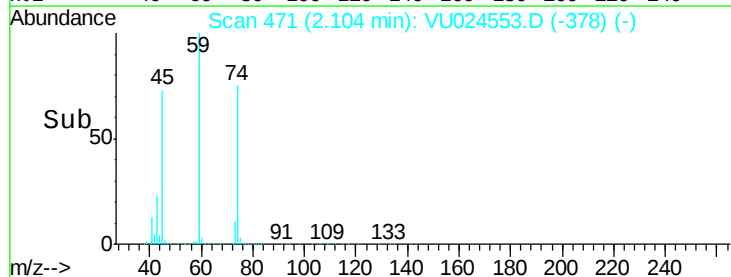
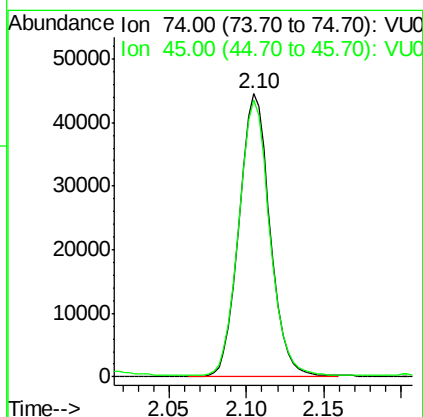
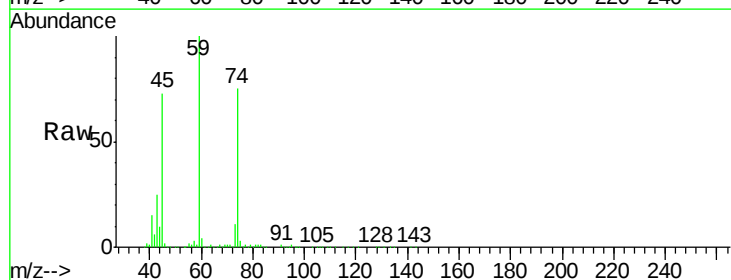
Tot Ion:101 Resp: 161781
Ion Ratio Lower Upper
101 100
103 63.9 52.3 78.5

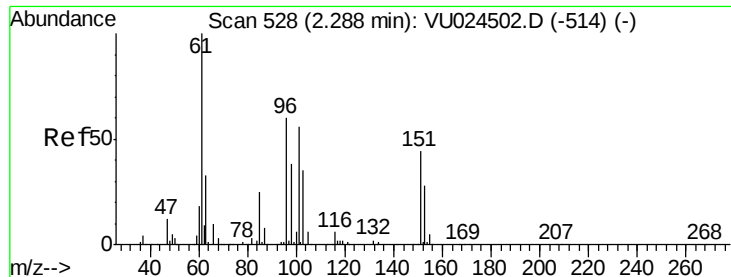


#8

Diethyl Ether
Concen: 54.856 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 74 Resp: 62026
Ion Ratio Lower Upper
74 100
45 96.5 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.820 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

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ClientSampleId :

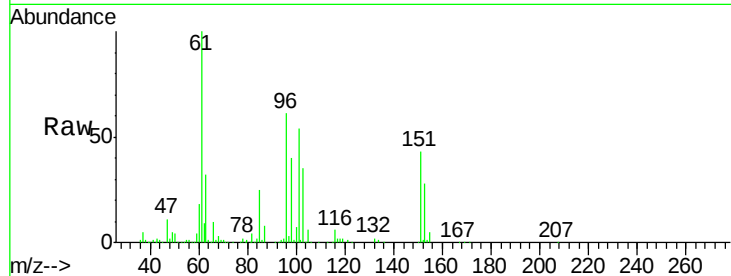
Tot Ion:101 Resp: 92695

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

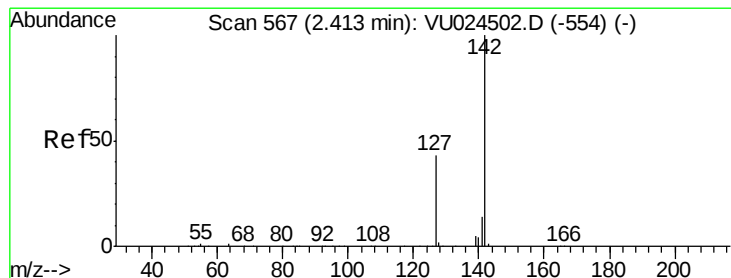
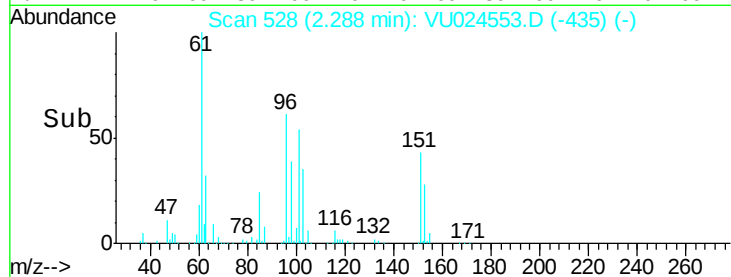
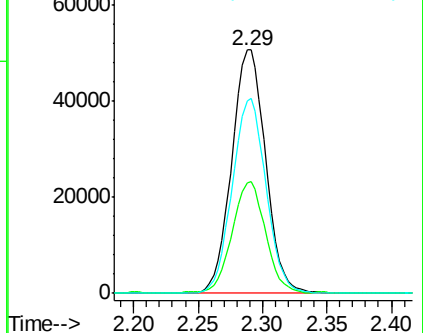
151 79.7 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.707 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

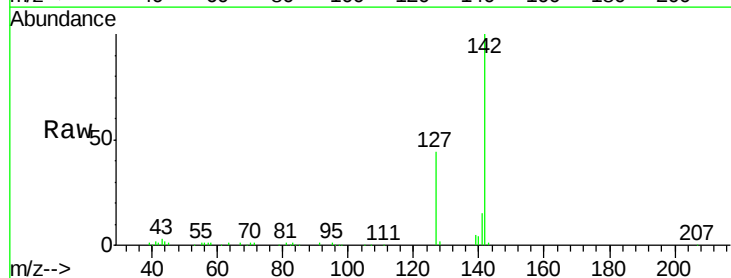
Tgt Ion:142 Resp: 67368

Ion Ratio Lower Upper

142 100

127 42.8 35.6 53.4

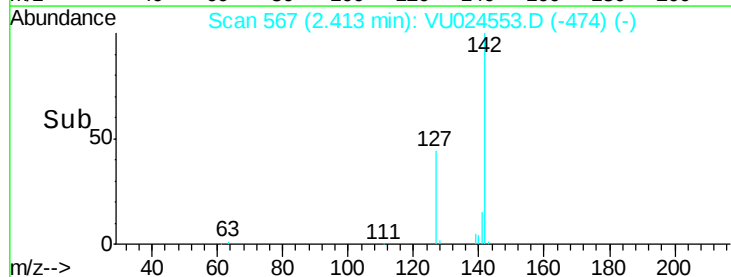
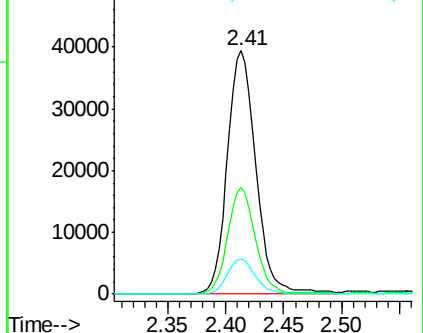
141 14.0 11.7 17.5

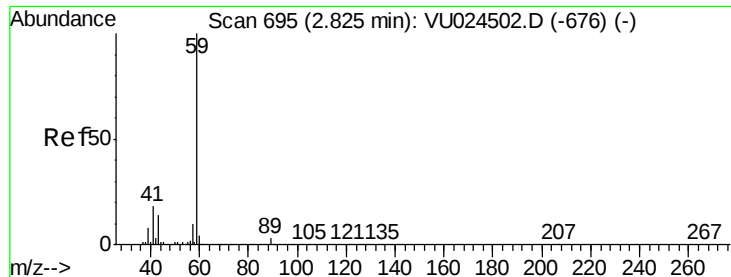


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

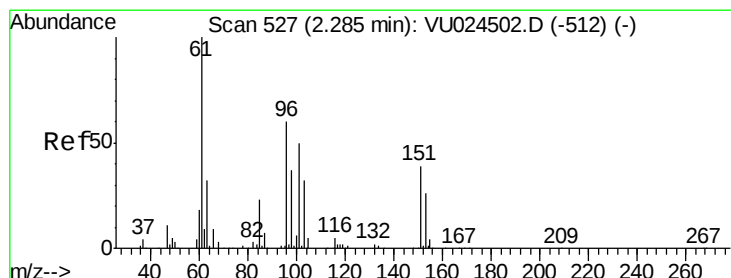
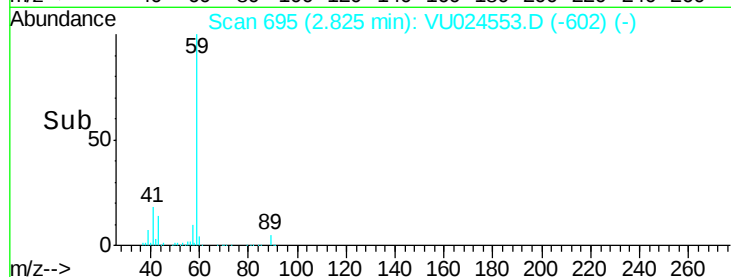
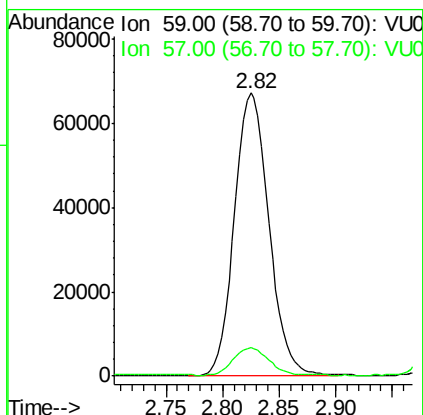
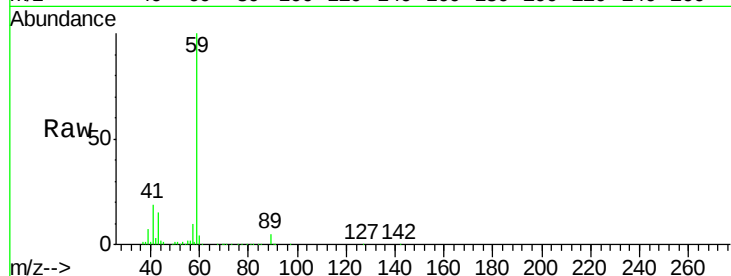




#11
Tert butyl alcohol
Concen: 218.382 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

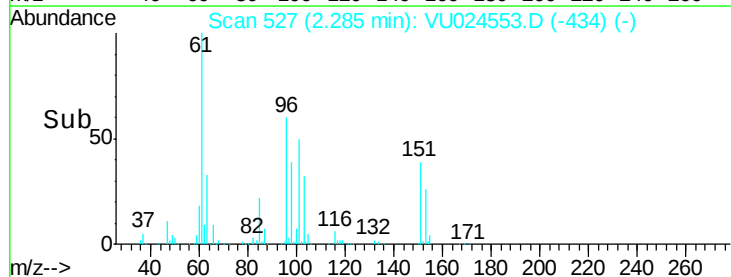
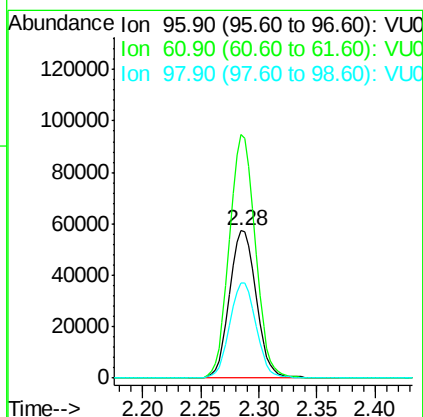
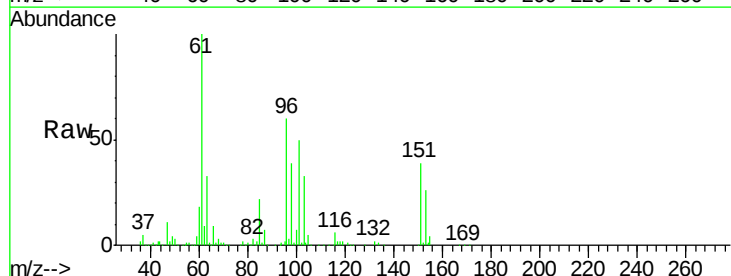
Instrument :
MSVOA_U
ClientSampleId :

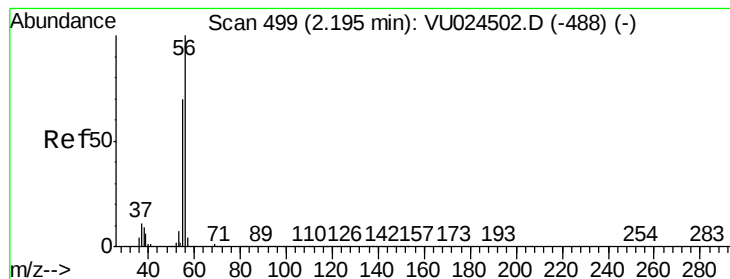
Tot Ion: 59 Resp: 143622
Ion Ratio Lower Upper
59 100
57 9.9 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.821 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 96 Resp: 90193
Ion Ratio Lower Upper
96 100
61 165.8 141.7 212.5
98 64.1 51.6 77.4





#13

Acrolein

Concen: 215.517 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

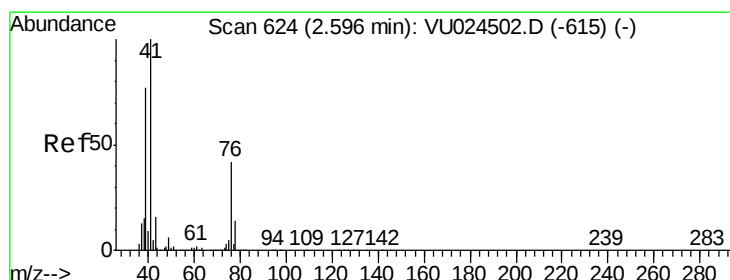
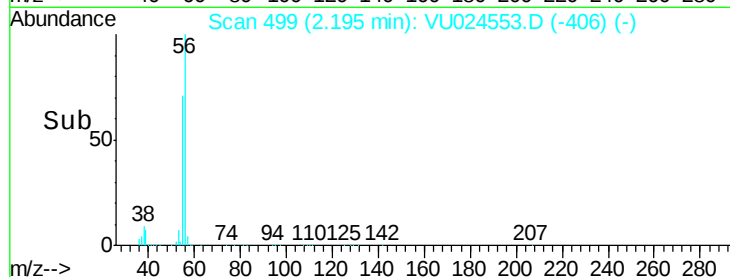
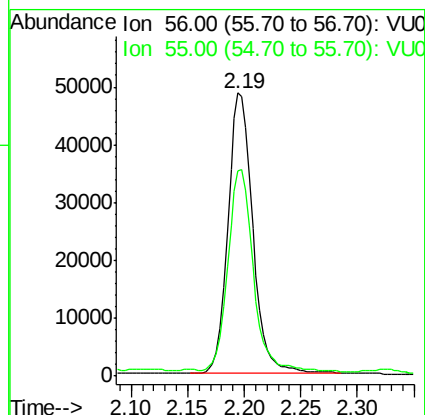
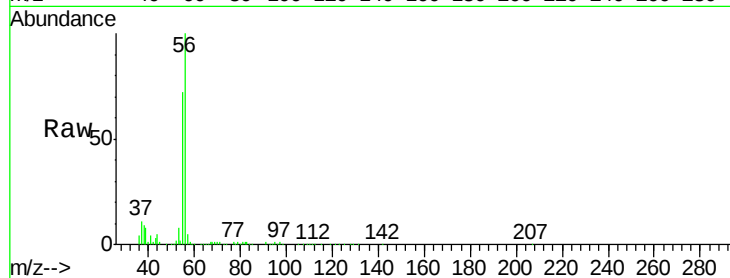
ClientSampled :

Tot Ion: 56 Resp: 74430

Ion Ratio Lower Upper

56 100

55 72.9 58.4 87.6



#14

Allyl chloride

Concen: 44.661 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

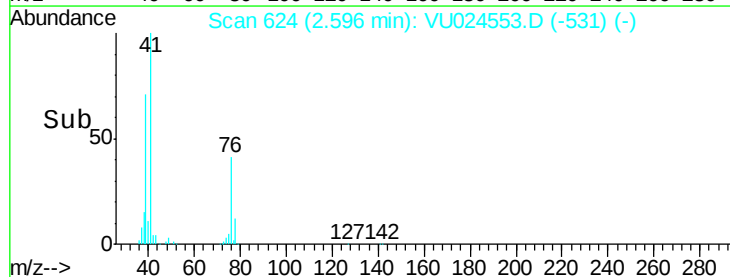
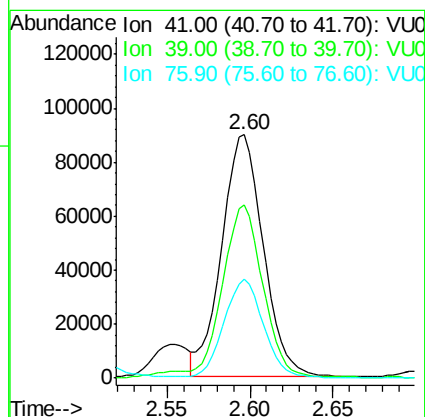
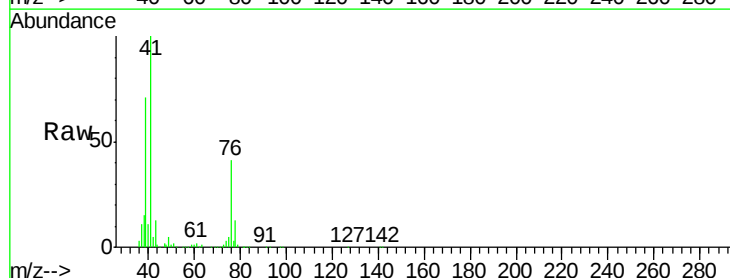
Tgt Ion: 41 Resp: 156398

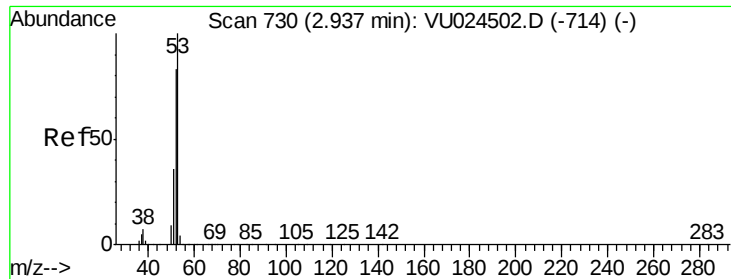
Ion Ratio Lower Upper

41 100

39 70.9 61.6 92.4

76 39.0 29.7 44.5





#15

Acrylonitrile

Concen: 254.332 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

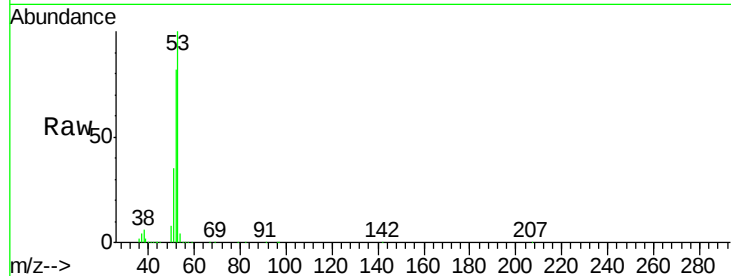
Tot Ion: 53 Resp: 325433

Ion Ratio Lower Upper

53 100

52 81.7 67.1 100.7

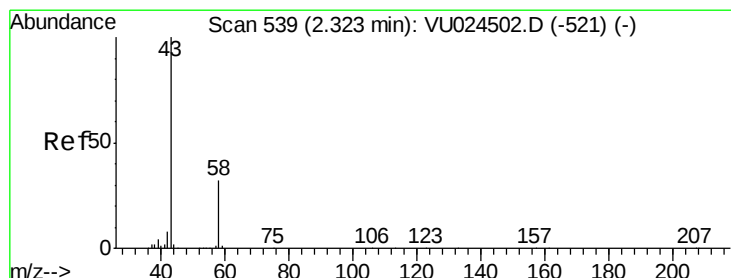
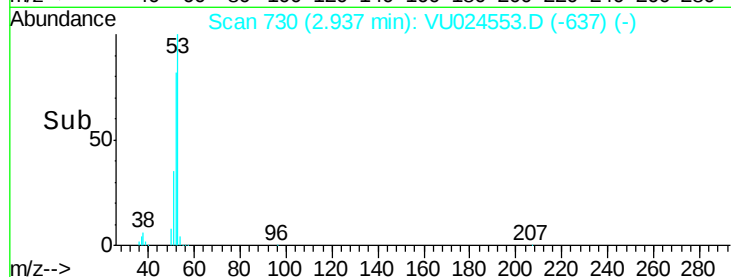
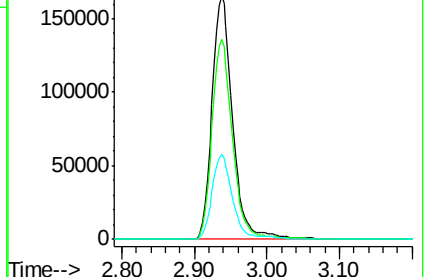
51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024553.D (-637) (-)

Ion 52.00 (51.70 to 52.70): VU024553.D (-637) (-)

Ion 51.00 (50.70 to 51.70): VU024553.D (-637) (-)



#16

Acetone

Concen: 181.135 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024553.D

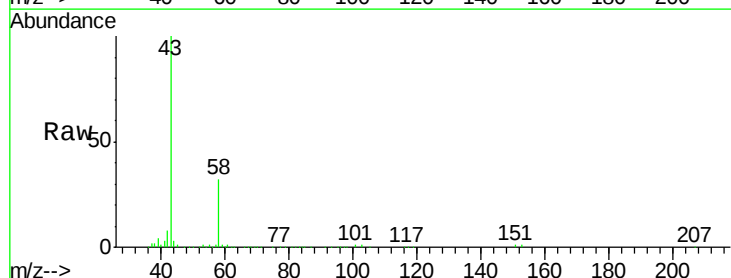
Acq: 14 Jun 2018 20:21

Tgt Ion: 43 Resp: 263174

Ion Ratio Lower Upper

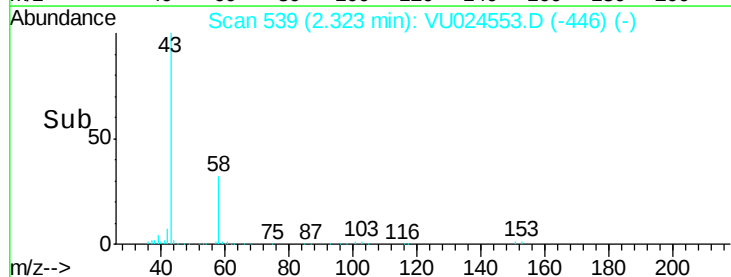
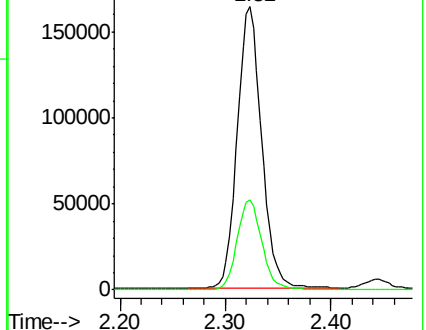
43 100

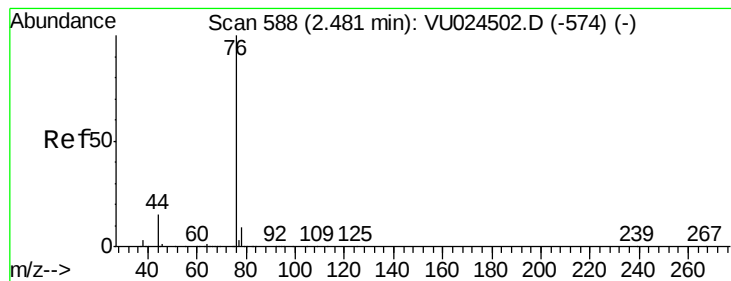
58 31.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024553.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024553.D (-446) (-)





#17

Carbon Disulfide

Concen: 46.930 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

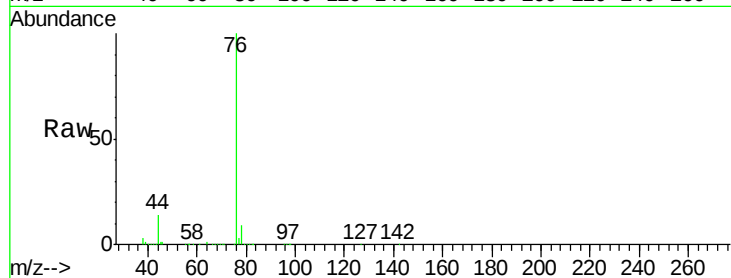
ClientSampleId :

Tot Ion: 76 Resp: 283423

Ion Ratio Lower Upper

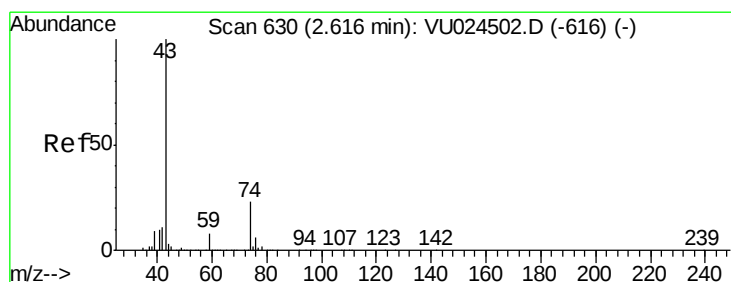
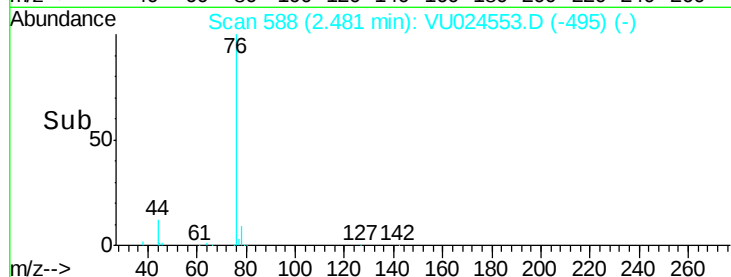
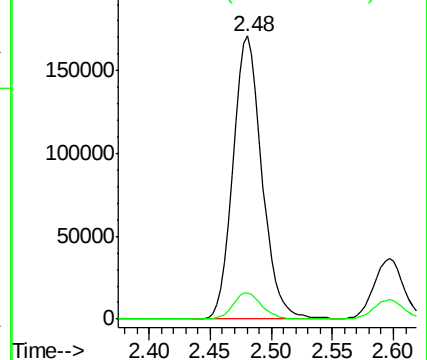
76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 45.746 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024553.D

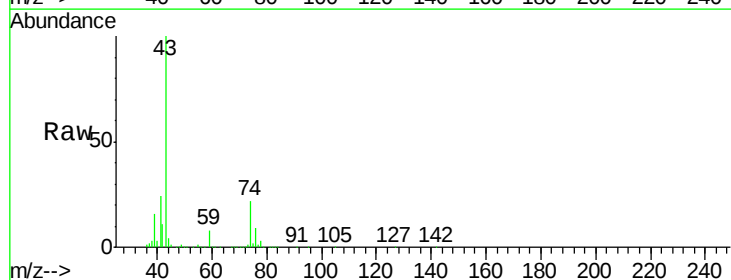
Acq: 14 Jun 2018 20:21

Tgt Ion: 43 Resp: 142488

Ion Ratio Lower Upper

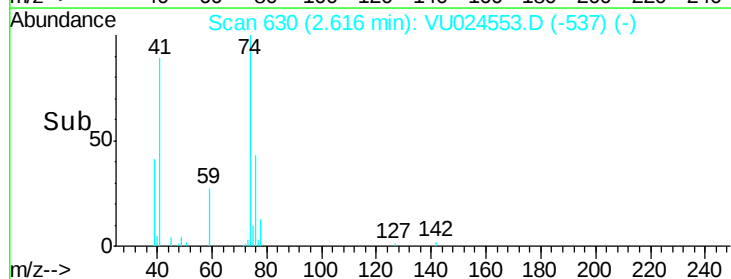
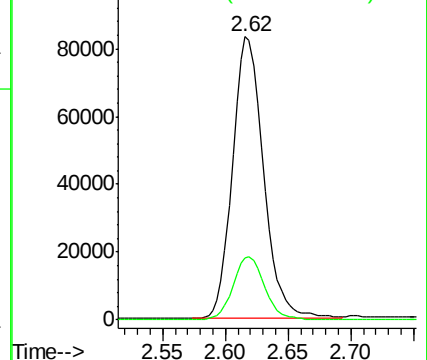
43 100

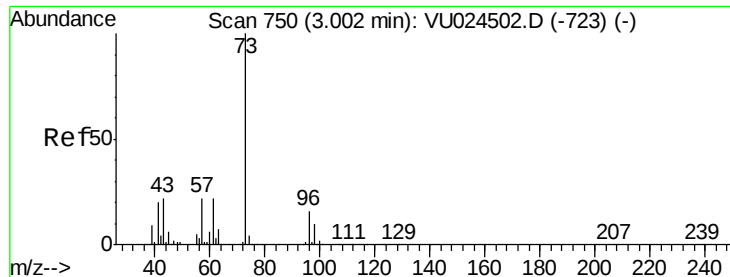
74 23.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



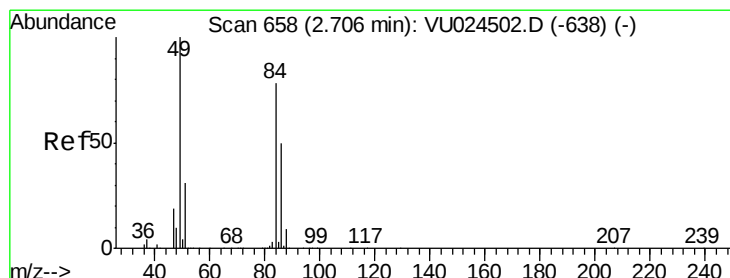
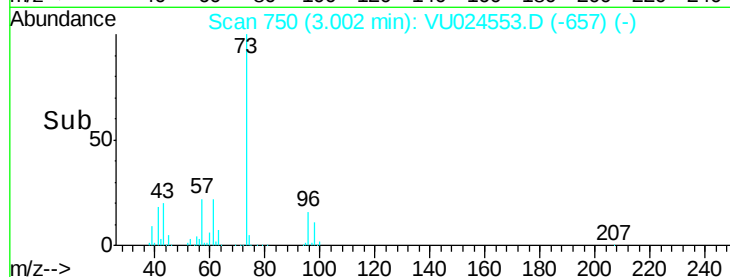
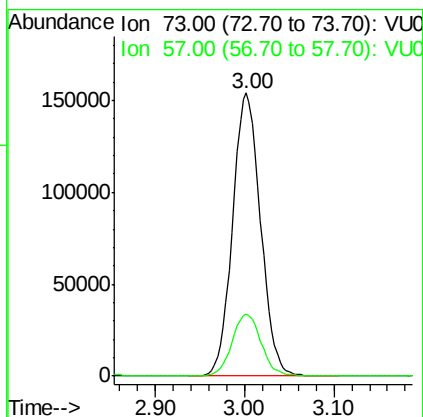
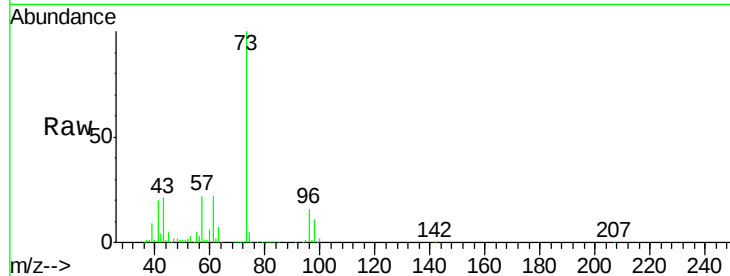


#19

Methyl tert-butyl Ether
 Concen: 47.222 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :

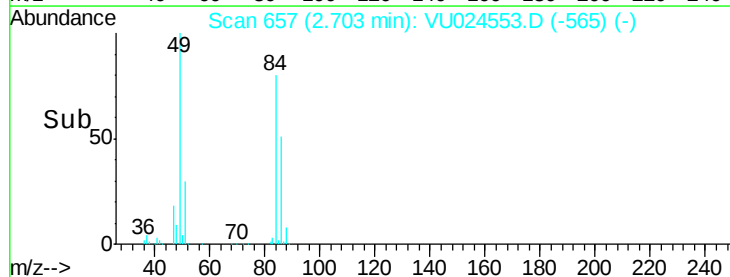
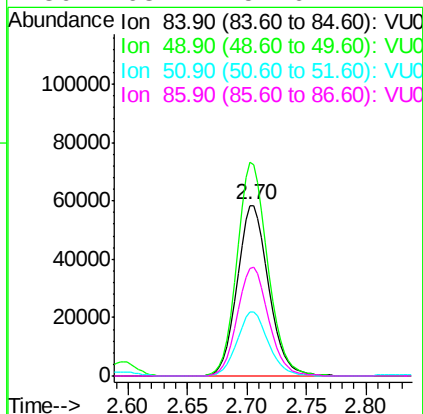
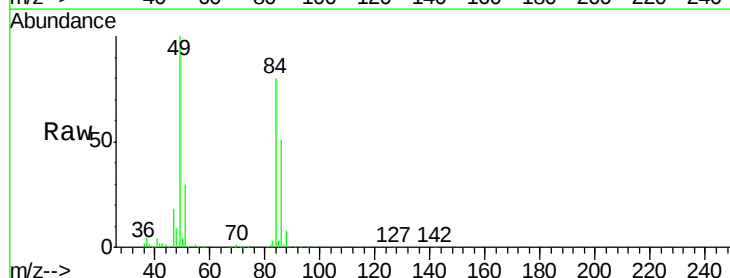
Tot Ion: 73 Resp: 334788
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.8 28.2

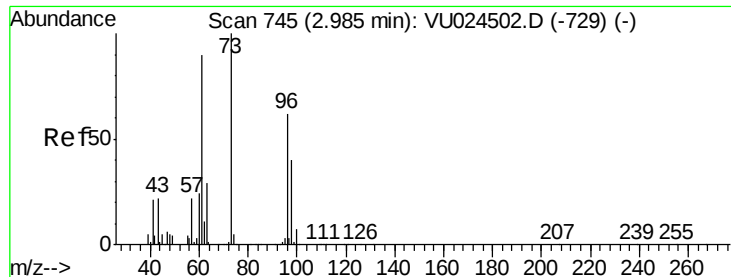


#20

Methylene Chloride
 Concen: 47.048 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 84 Resp: 107257
 Ion Ratio Lower Upper
 84 100
 49 125.2 103.8 155.8
 51 37.7 32.0 48.0
 86 63.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.091 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

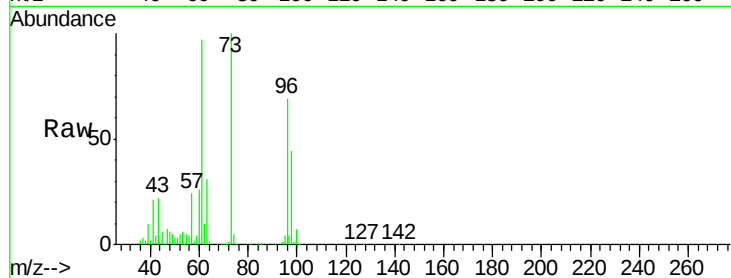
Tot Ion: 96 Resp: 101977

Ion Ratio Lower Upper

96 100

61 140.5 119.4 179.0

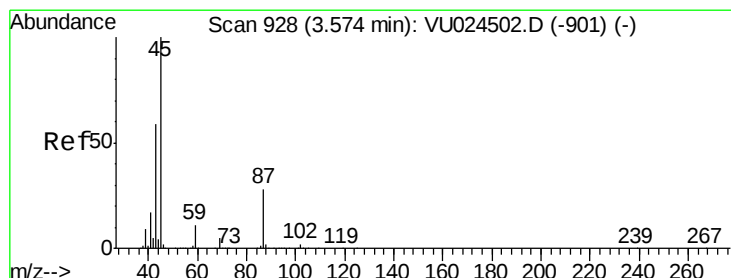
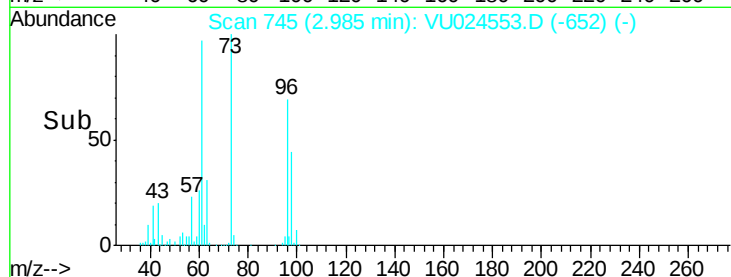
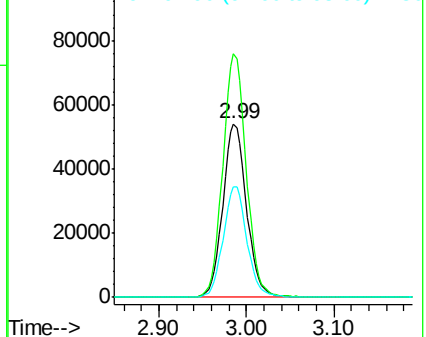
98 63.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024553.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024553.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024553.D (-652) (-)



#22

Diisopropyl ether

Concen: 48.840 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion: 45 Resp: 339046

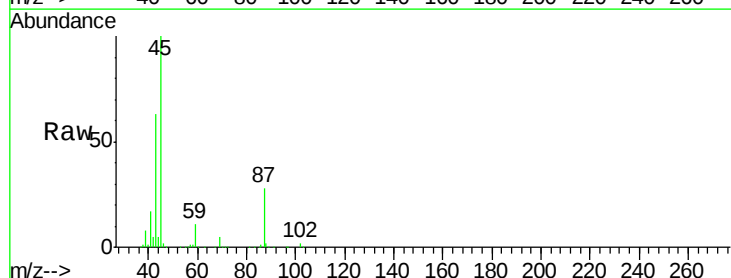
Ion Ratio Lower Upper

45 100

43 61.9 45.8 68.6

87 27.5 20.6 31.0

59 11.5 9.4 14.0

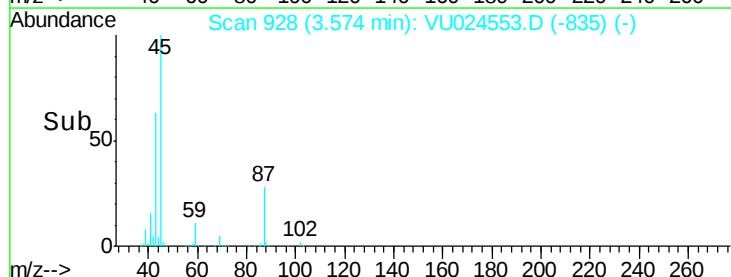
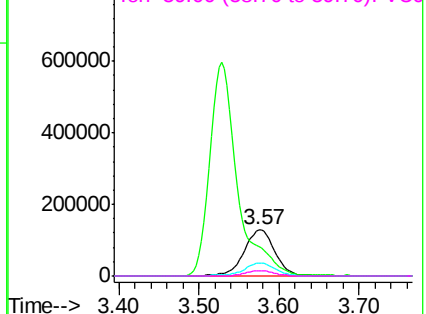


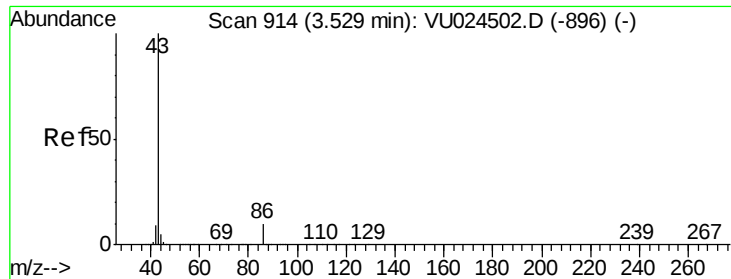
Abundance Ion 45.00 (44.70 to 45.70): VU024553.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU024553.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024553.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024553.D (-835) (-)





#23

Vinyl Acetate

Concen: 231.717 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

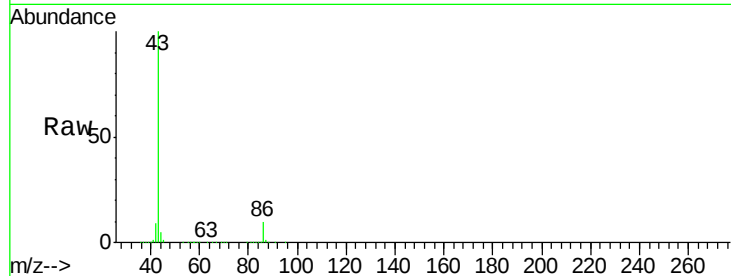
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1440952

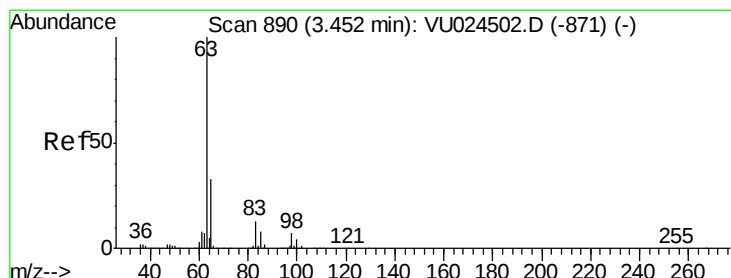
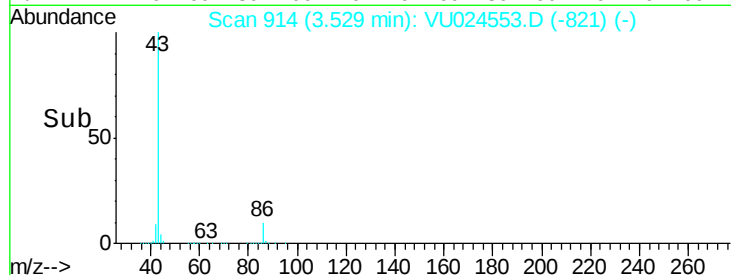
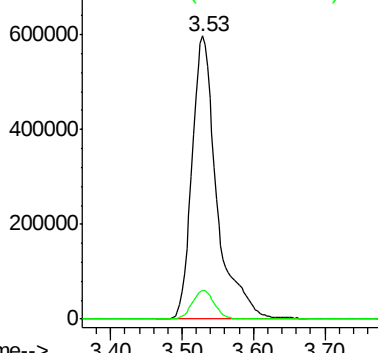
Ion Ratio Lower Upper

43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.088 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

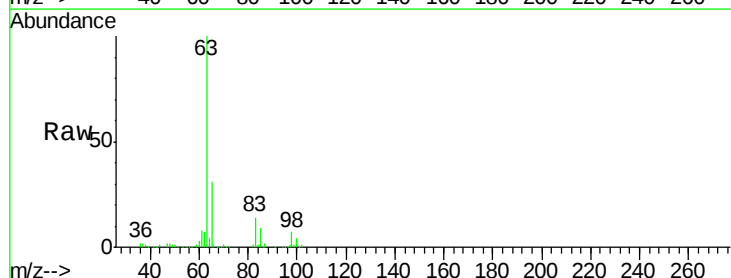
Tgt Ion: 63 Resp: 192042

Ion Ratio Lower Upper

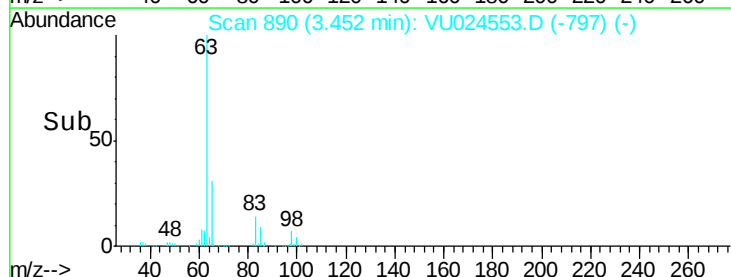
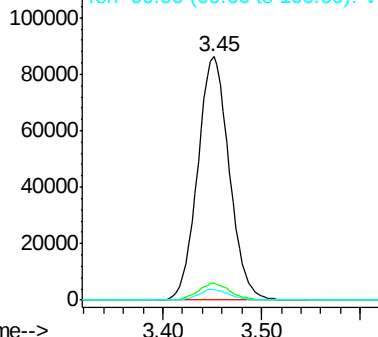
63 100

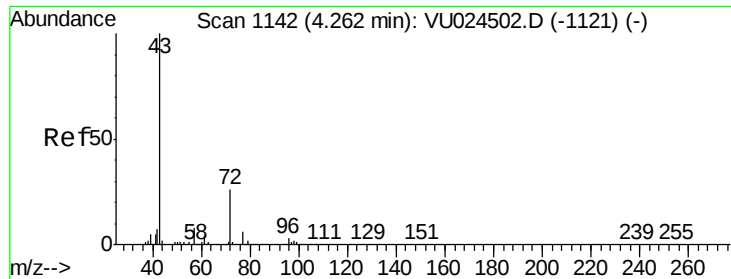
98 6.8 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0

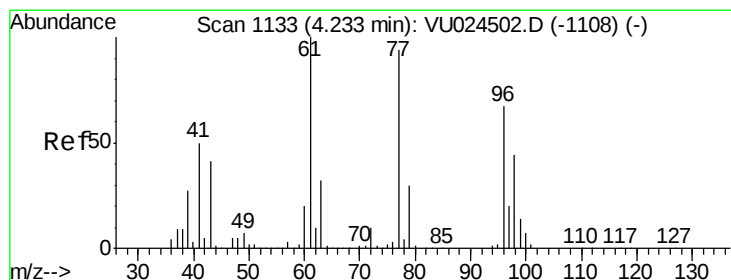
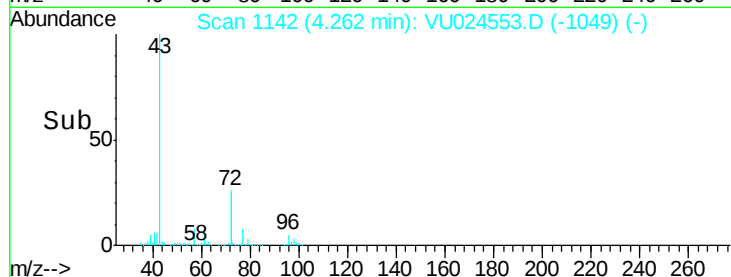
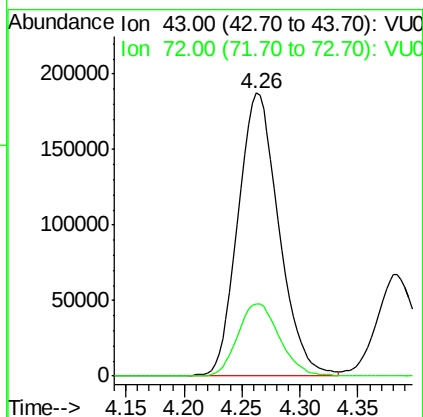
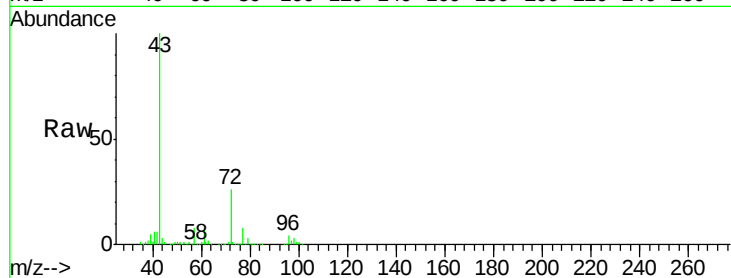




#25
2-Butanone
Concen: 233.650 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

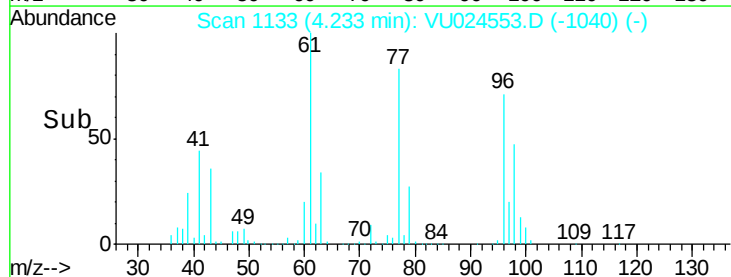
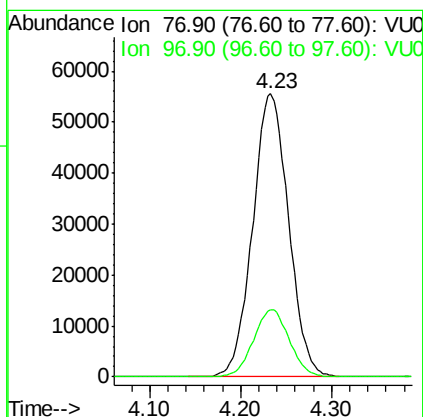
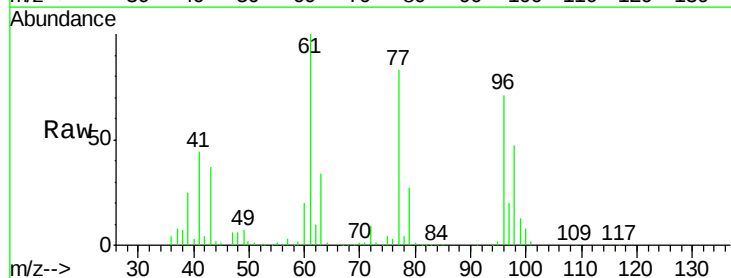
Instrument :
MSVOA_U
ClientSampleId :

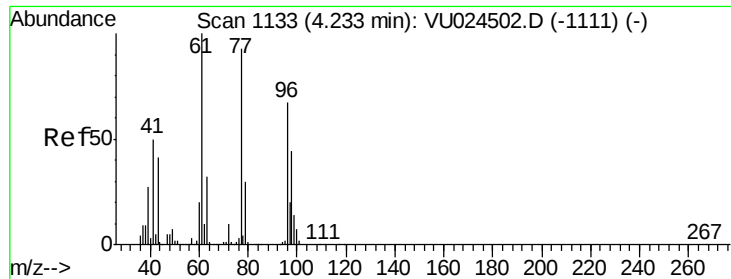
Tot Ion: 43 Resp: 455990
Ion Ratio Lower Upper
43 100
72 25.5 19.6 29.4



#26
2,2-Dichloropropane
Concen: 40.144 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 77 Resp: 152229
Ion Ratio Lower Upper
77 100
97 23.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.363 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :

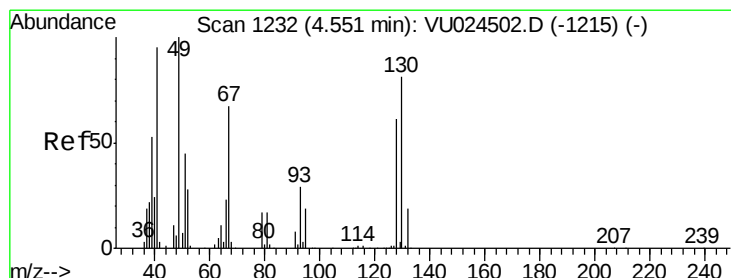
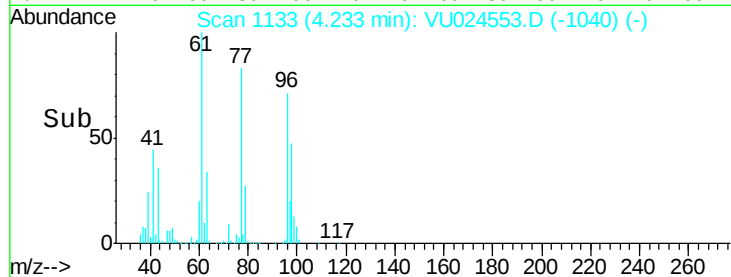
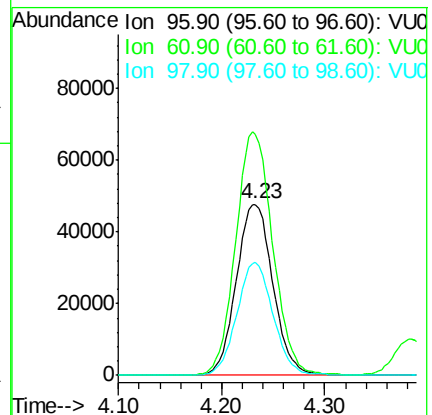
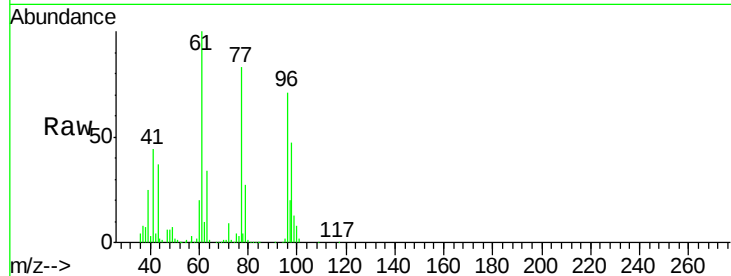
Tot Ion: 96 Resp: 117888

Ion Ratio Lower Upper

96 100

61 143.9 0.0 306.6

98 64.8 0.0 128.8



#28

Bromochloromethane

Concen: 51.983 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

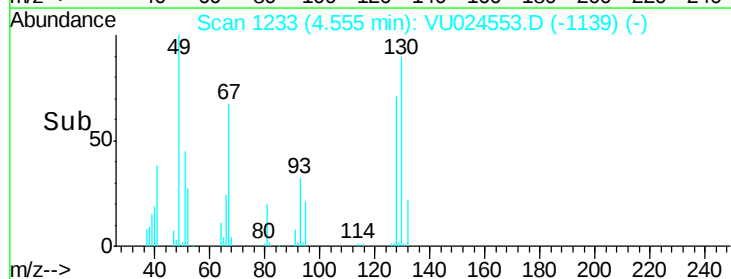
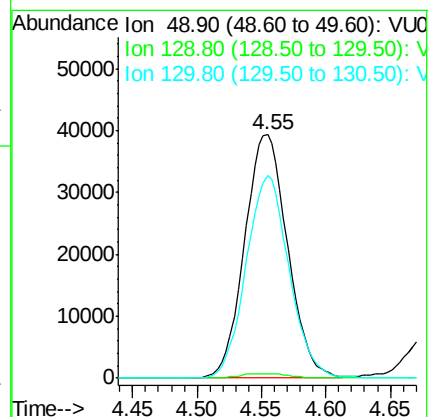
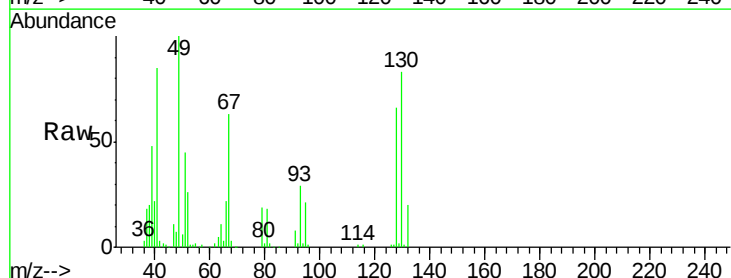
Tgt Ion: 49 Resp: 91438

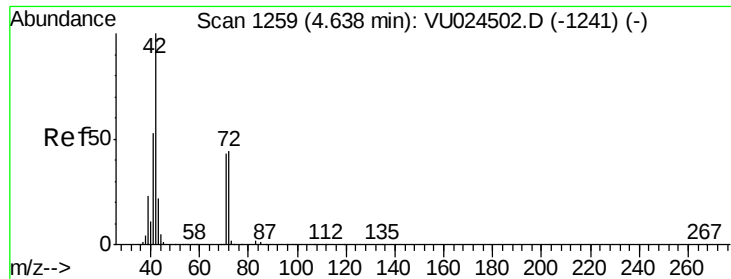
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 83.2 57.8 86.6

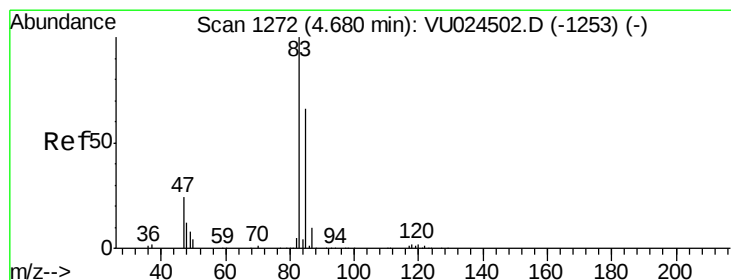
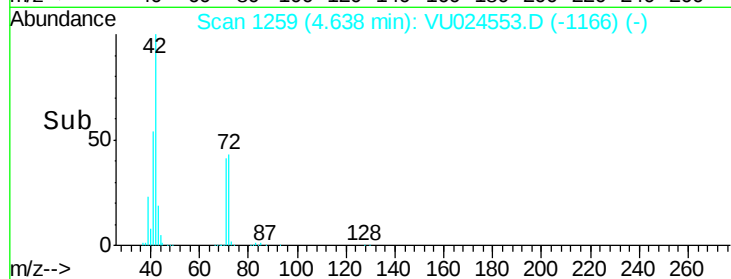
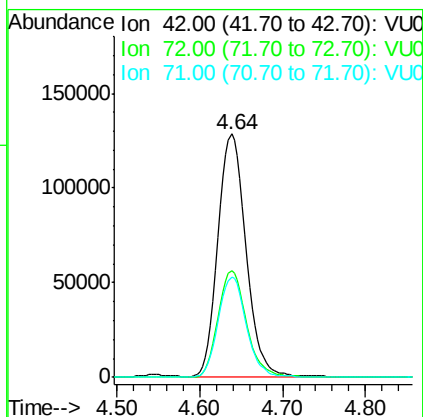
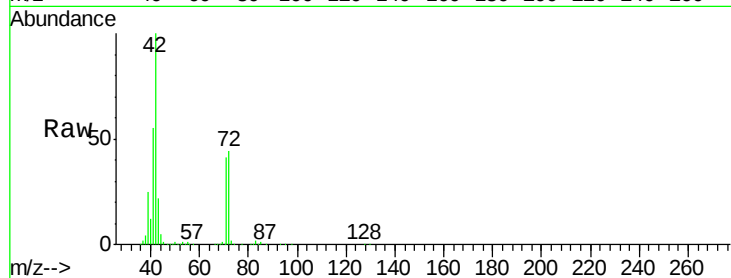




#29
Tetrahydrofuran
Concen: 249.424 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

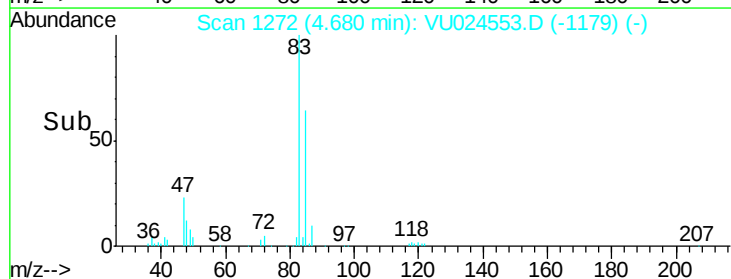
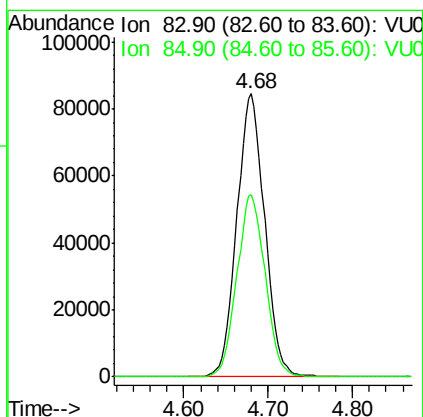
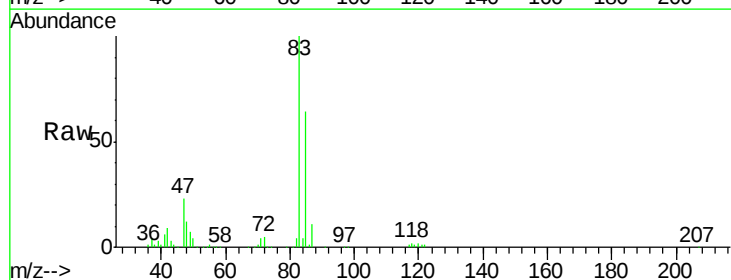
Instrument :
MSVOA_U
ClientSampleId :

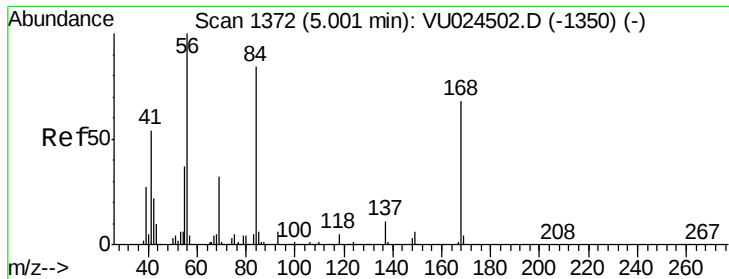
Tot Ion: 42 Resp: 301443
Ion Ratio Lower Upper
42 100
72 44.6 34.5 51.7
71 41.2 32.2 48.4



#30
Chloroform
Concen: 48.161 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 83 Resp: 194671
Ion Ratio Lower Upper
83 100
85 64.4 52.4 78.6





#31

Cyclohexane

Concen: 49.623 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampled :

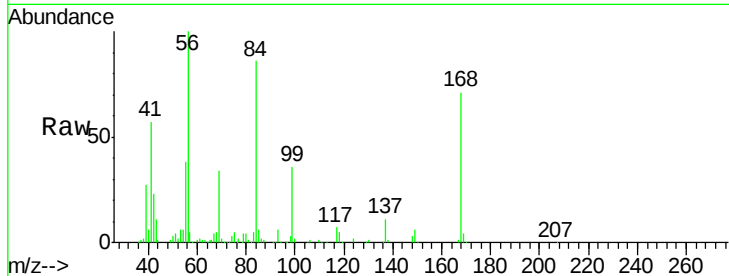
Tot Ion: 56 Resp: 176034

Ion Ratio Lower Upper

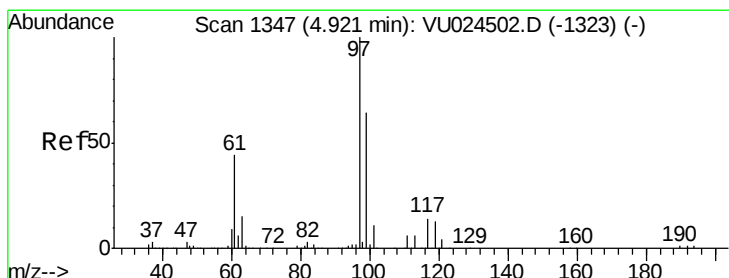
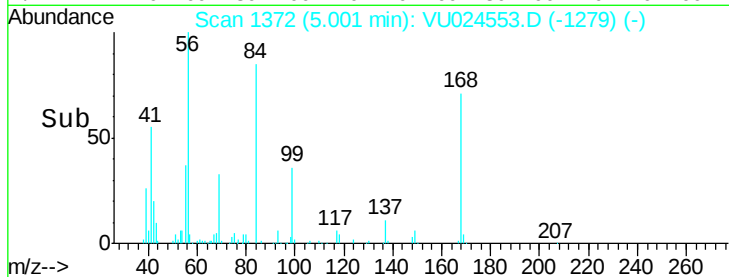
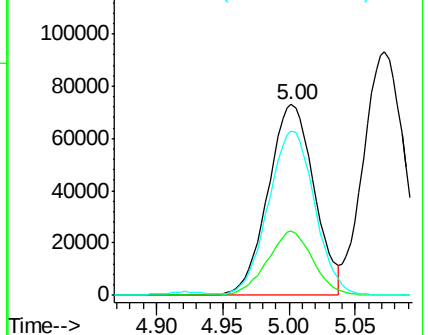
56 100

69 33.4 24.8 37.2

84 84.9 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 46.403 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

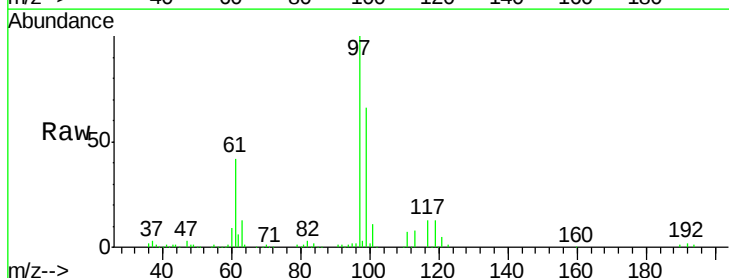
Tgt Ion: 97 Resp: 173446

Ion Ratio Lower Upper

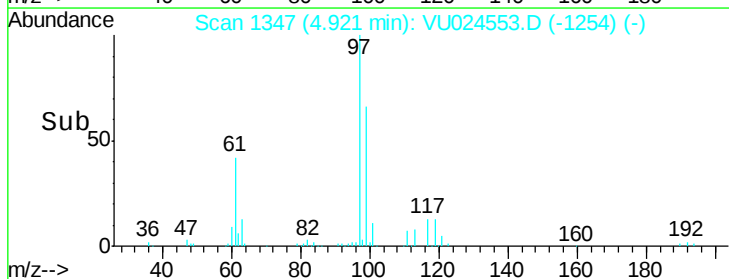
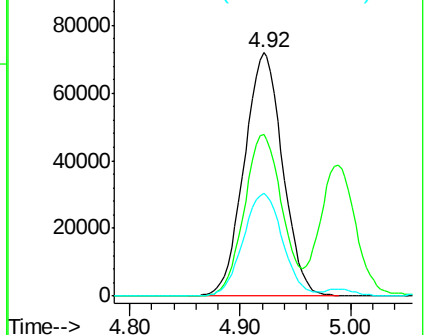
97 100

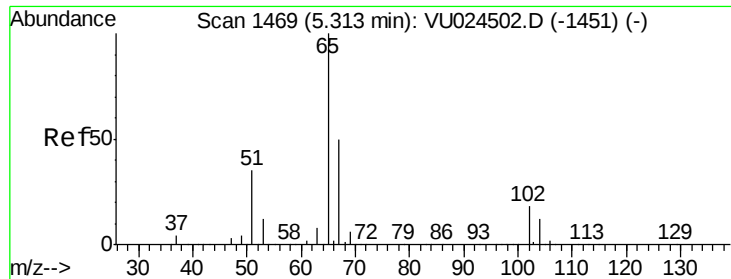
99 65.6 51.0 76.6

61 43.4 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

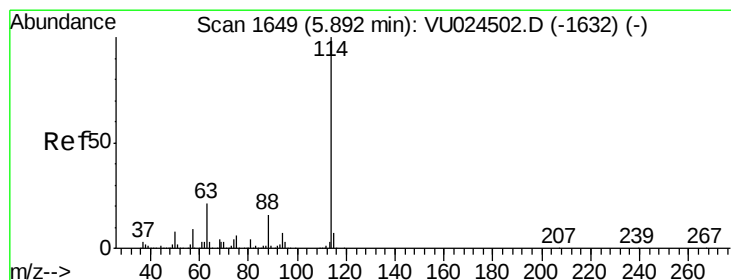
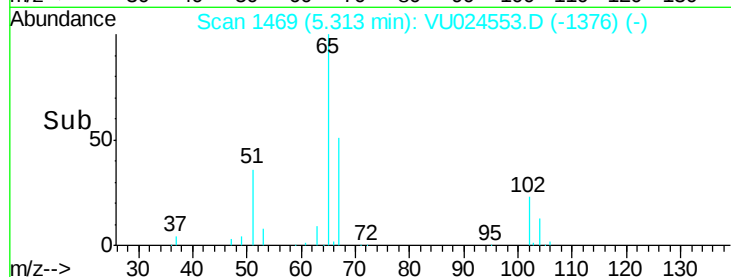
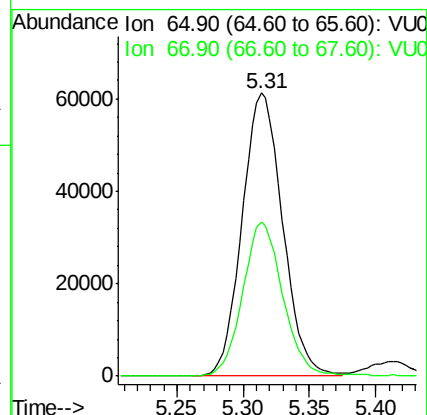
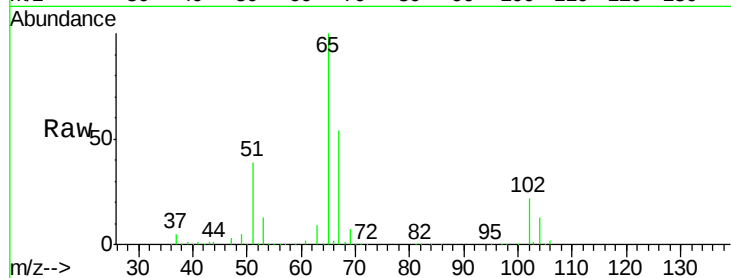




#33
 1,2-Dichloroethane-d4
 Concen: 48.115 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

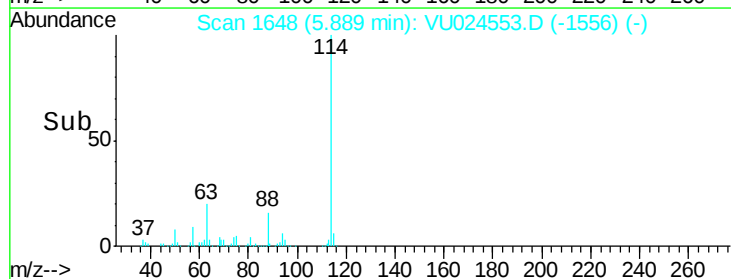
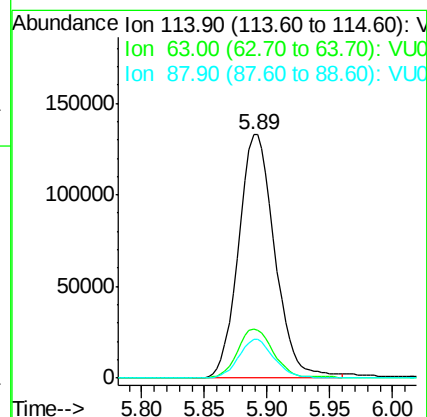
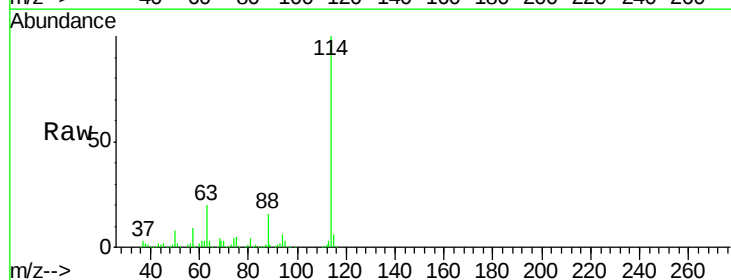
Instrument :
 MSVOA_U
 ClientSampleId :

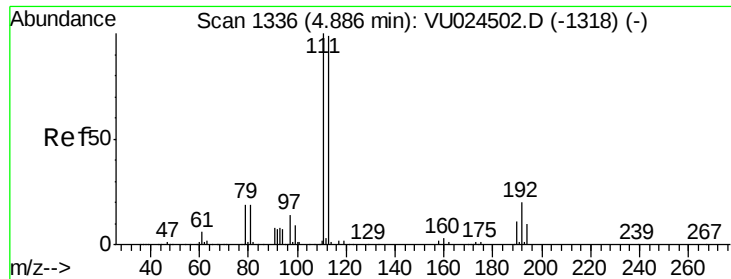
Tot Ion: 65 Resp: 130108
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 114 Resp: 267523
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 15.7 0.0 31.0

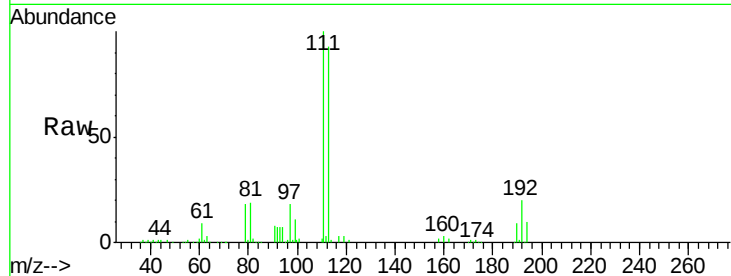




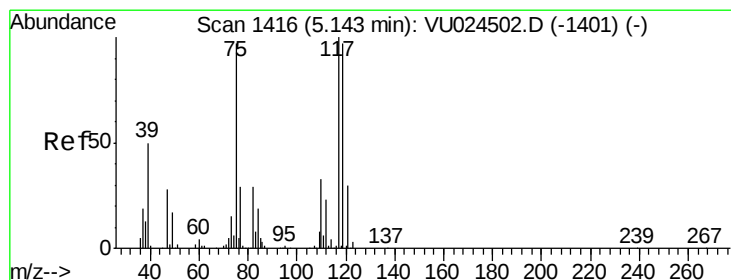
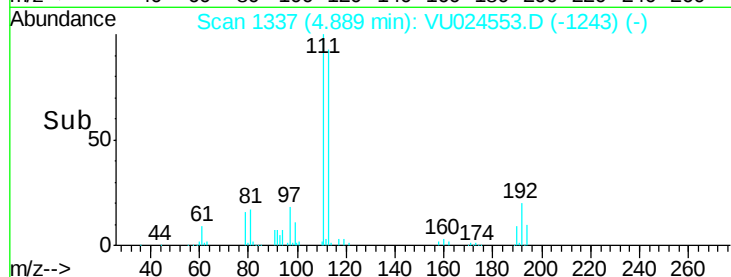
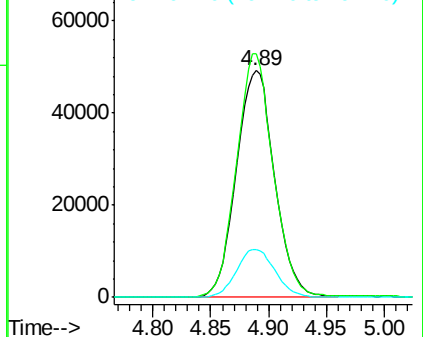
#35
Dibromofluoromethane
Concen: 50.909 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	21.4	16.2	24.4

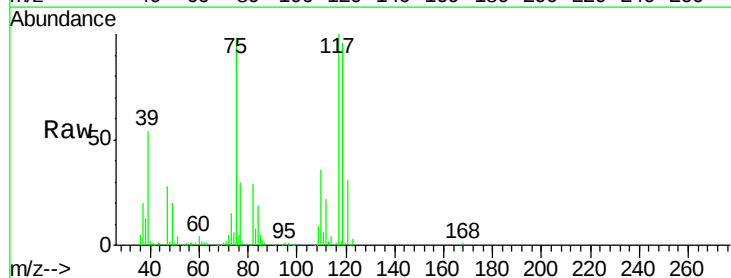


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

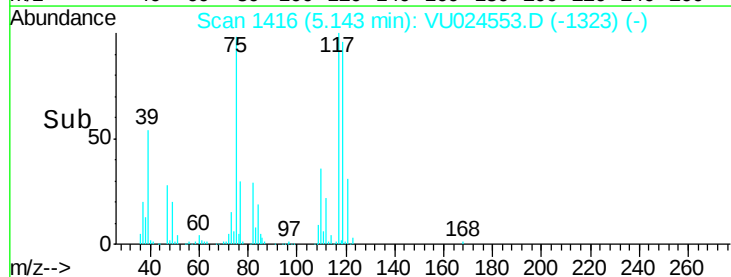
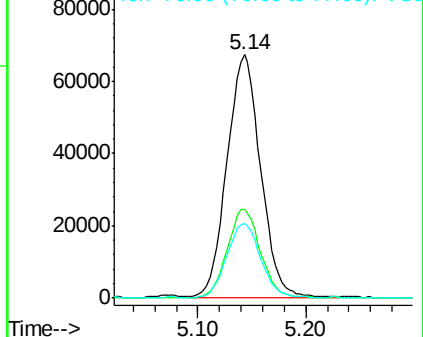


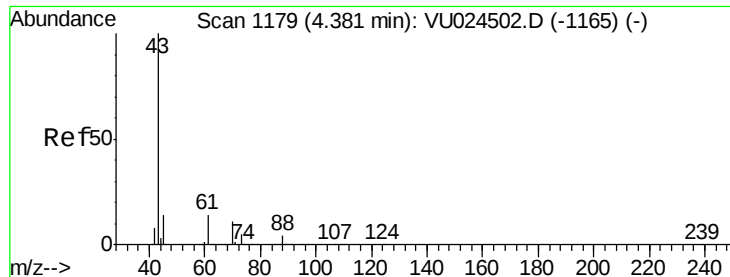
#36
1,1-Dichloropropene
Concen: 46.187 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.0	50.9
77	30.9	24.2	36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 46.907 ug/l

RT: 4.38 min Scan# 1180

Delta R.T. 0.00 min

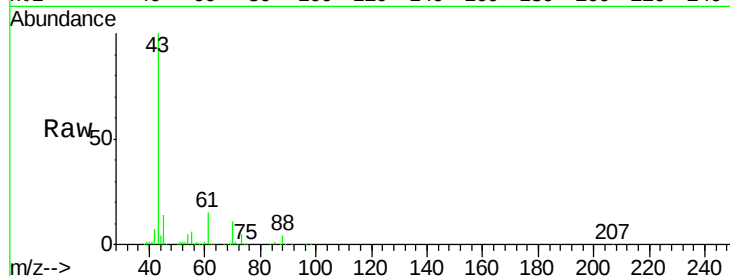
Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 160717

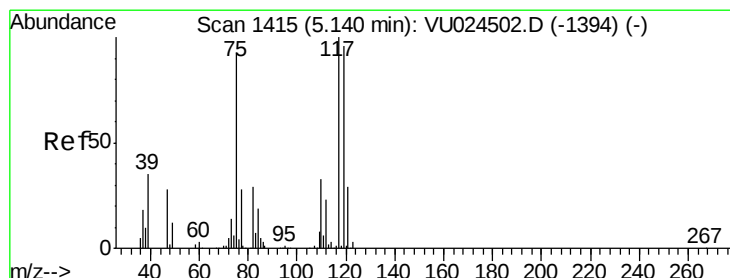
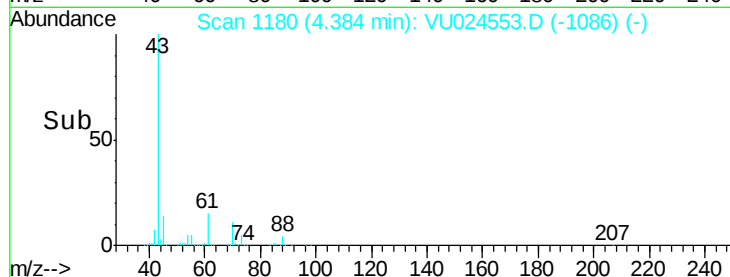
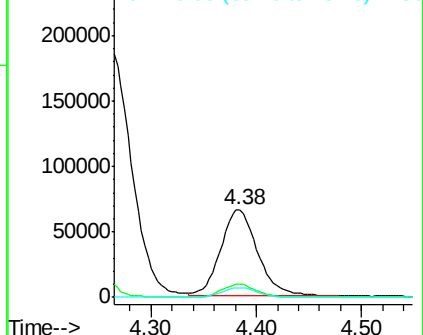
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	11.4	7.4	11.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 46.611 ug/l

RT: 5.14 min Scan# 1415

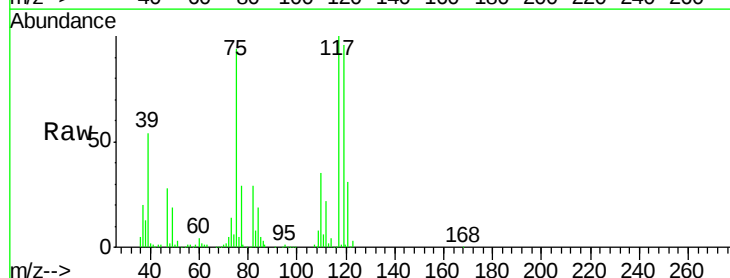
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion: 117 Resp: 161131

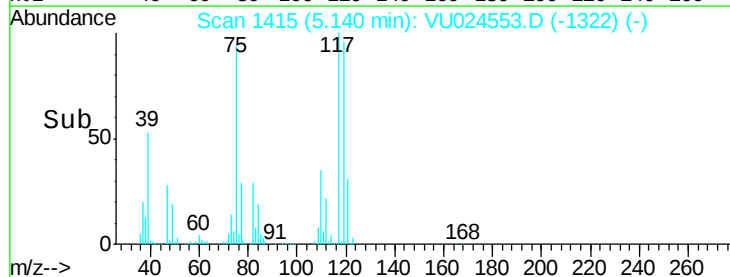
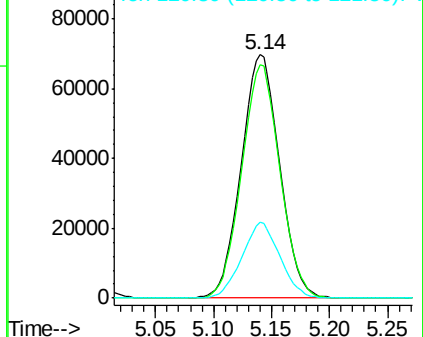
Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	31.1	23.7	35.5

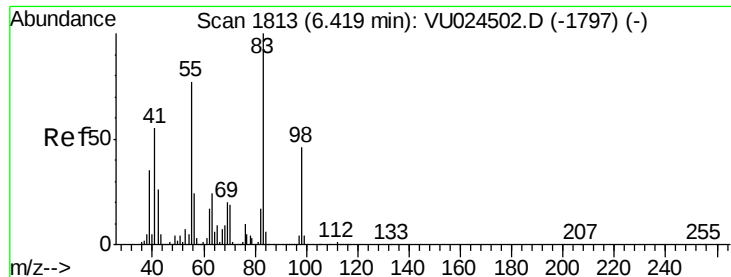


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

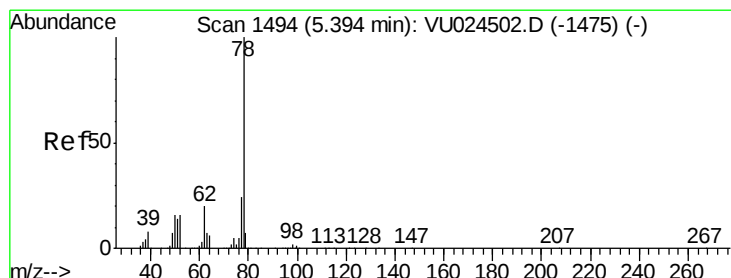
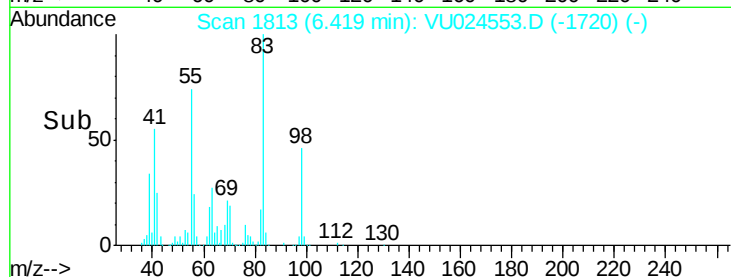
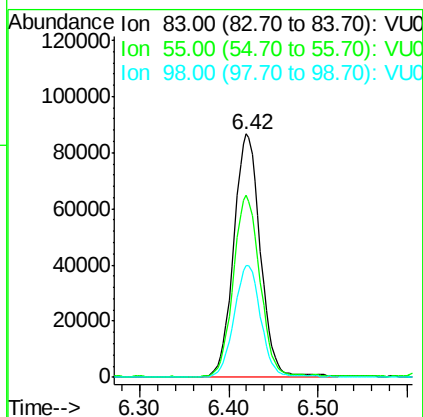
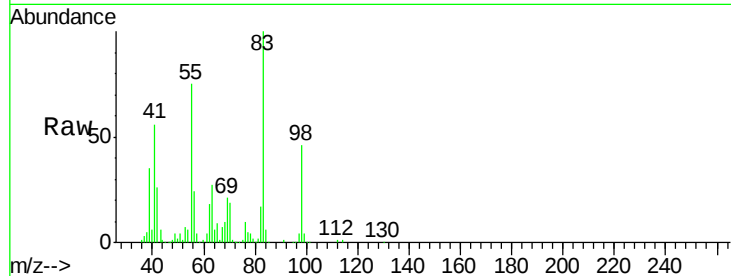




#39
Methylcyclohexane
Concen: 45.893 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

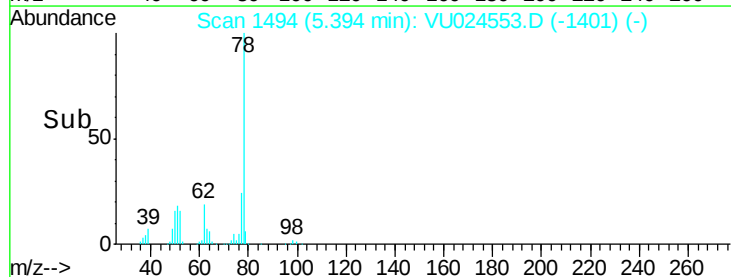
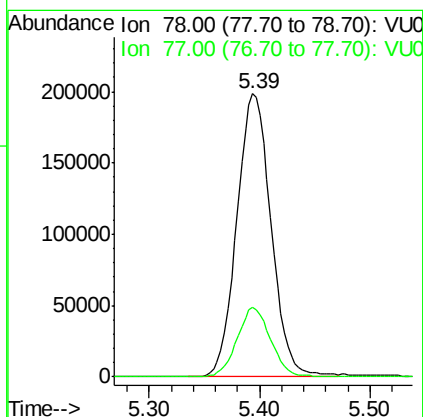
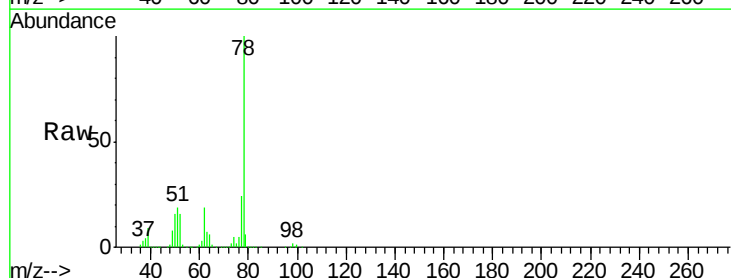
Instrument :
MSVOA_U
ClientSampleId :

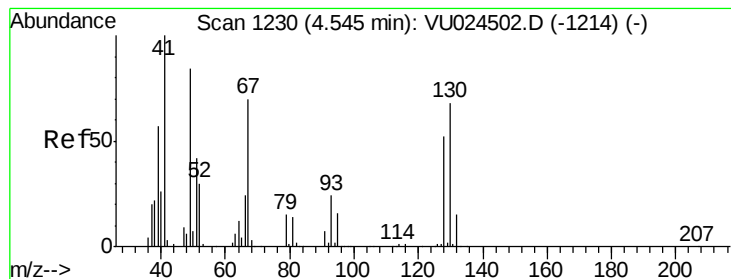
Tot Ion: 83 Resp: 180038
Ion Ratio Lower Upper
83 100
55 74.2 65.8 98.6
98 45.9 36.7 55.1



#40
Benzene
Concen: 47.753 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 78 Resp: 427754
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8





#41

Methacrylonitrile

Concen: 51.106 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 94410

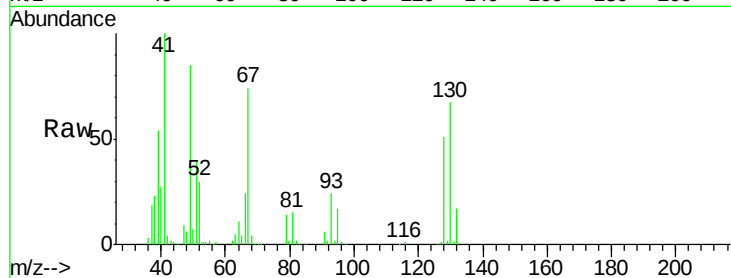
Ion Ratio Lower Upper

41 100

39 54.9 43.8 65.6

67 73.4 56.3 84.5

52 31.3 23.2 34.8

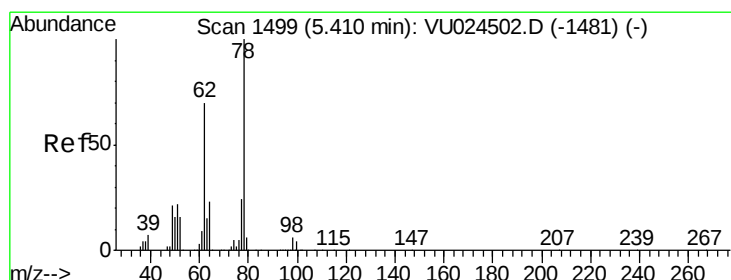
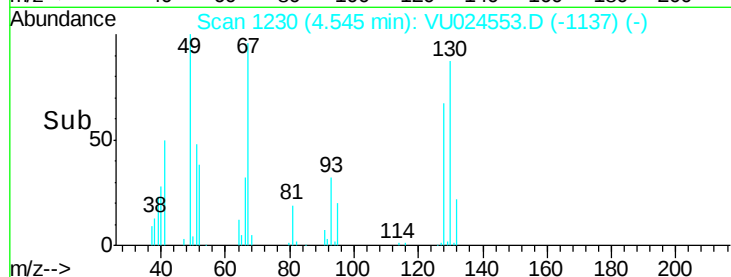
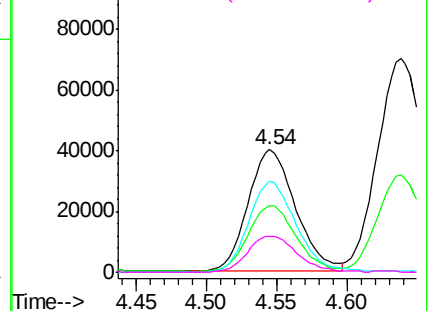


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 45.193 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024553.D

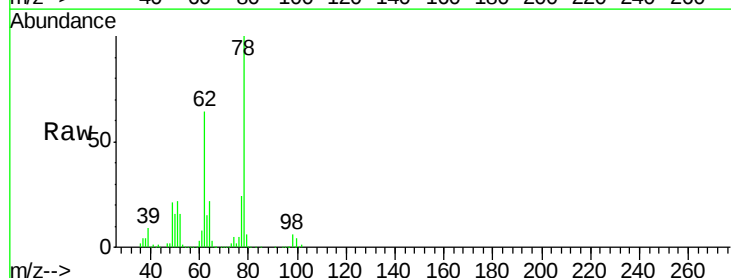
Acq: 14 Jun 2018 20:21

Tgt Ion: 62 Resp: 154180

Ion Ratio Lower Upper

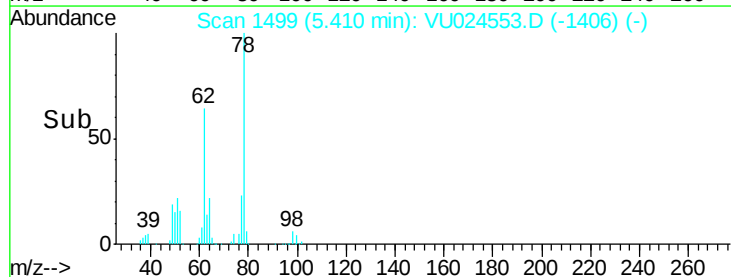
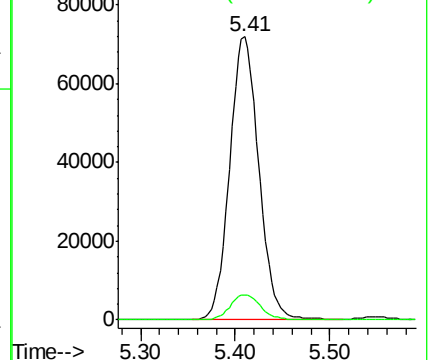
62 100

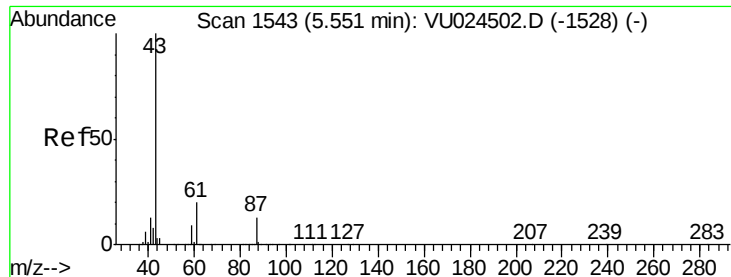
98 9.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

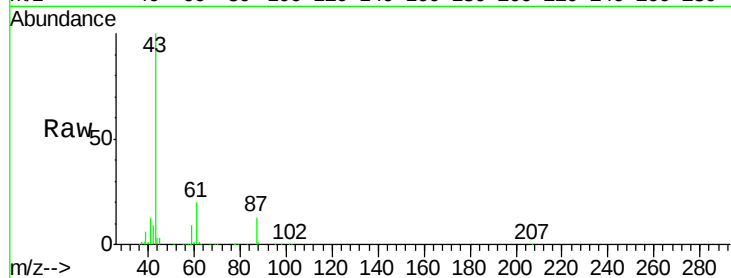




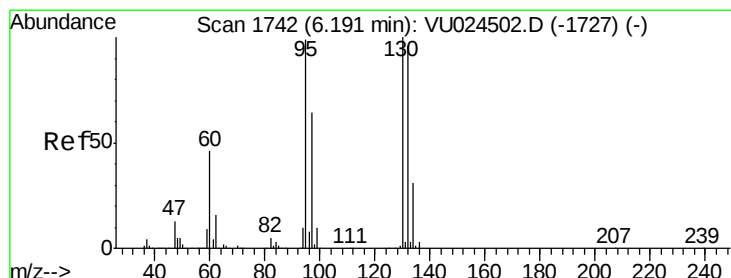
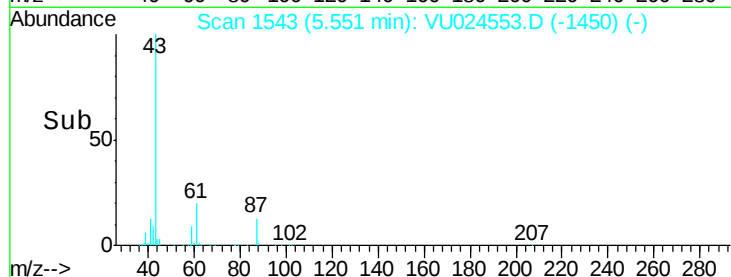
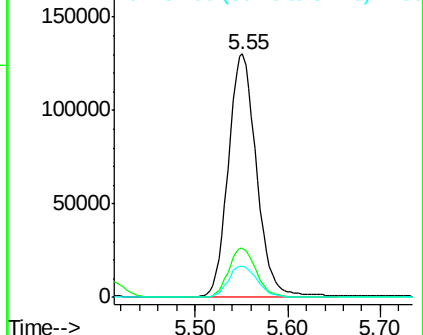
#43
Isopropyl Acetate
Concen: 46.044 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 272697
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 13.4 10.0 15.0

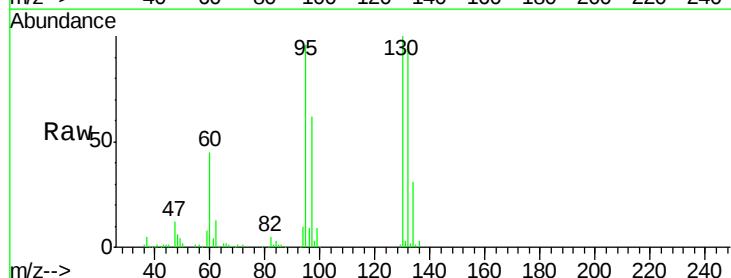


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

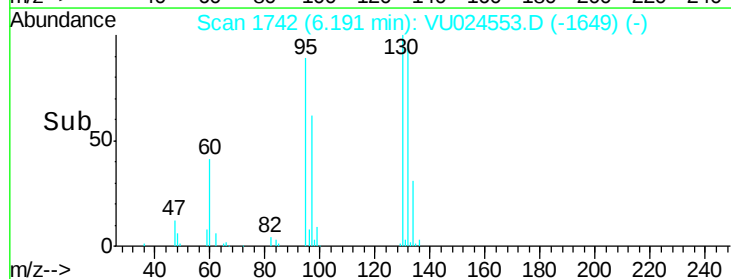
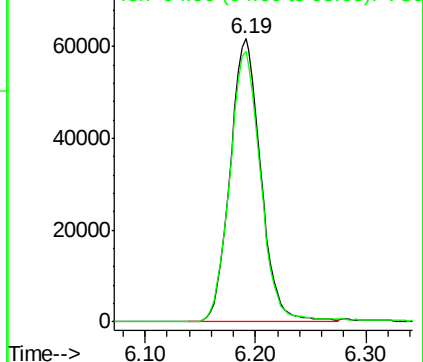


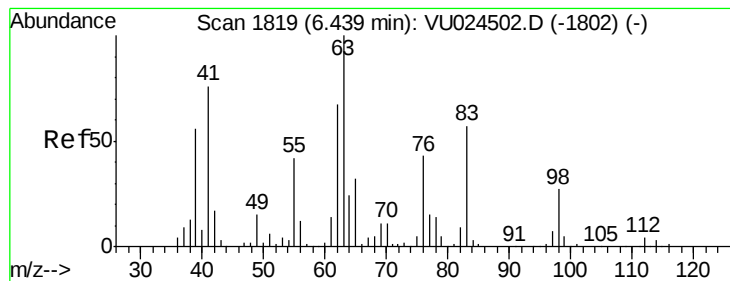
#44
Trichloroethene
Concen: 46.711 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 130 Resp: 119081
Ion Ratio Lower Upper
130 100
95 95.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 49.211 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

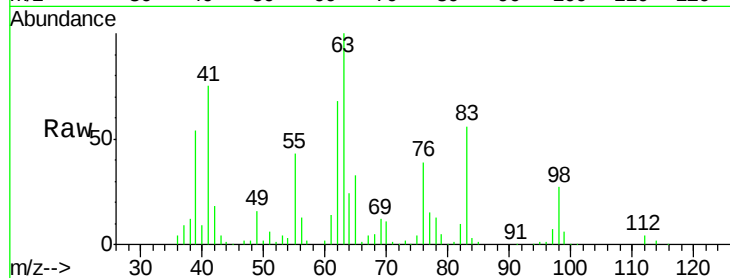
ClientSampleId :

Tot Ion: 63 Resp: 117619

Ion Ratio Lower Upper

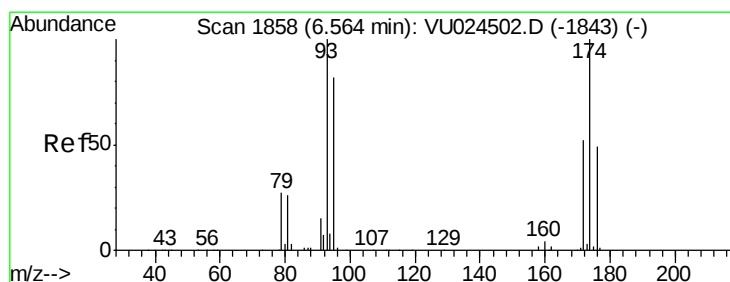
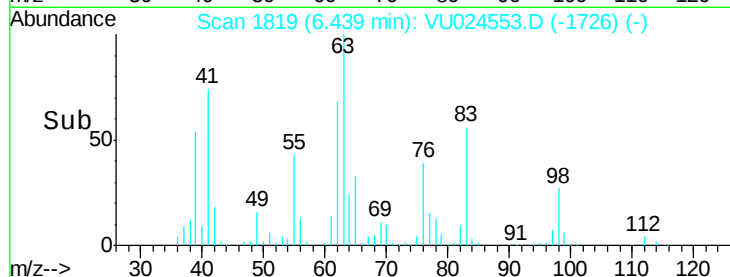
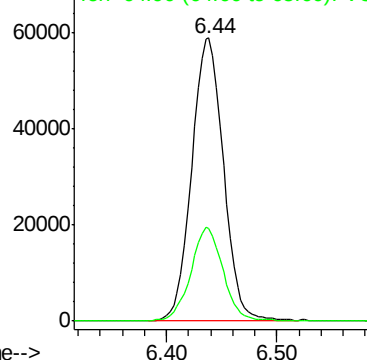
63 100

65 32.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 49.235 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

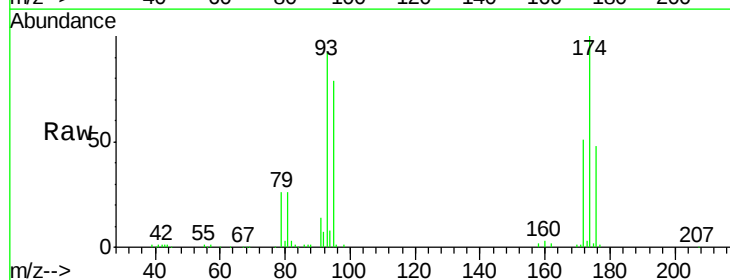
Tgt Ion: 93 Resp: 82656

Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

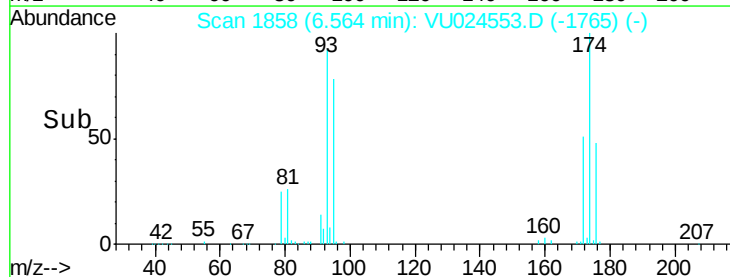
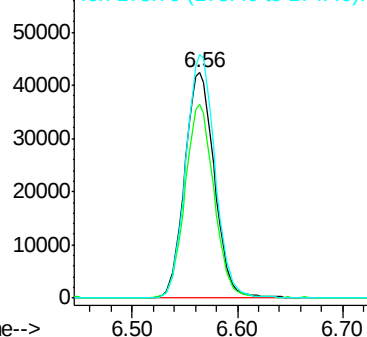
174 106.1 78.7 118.1

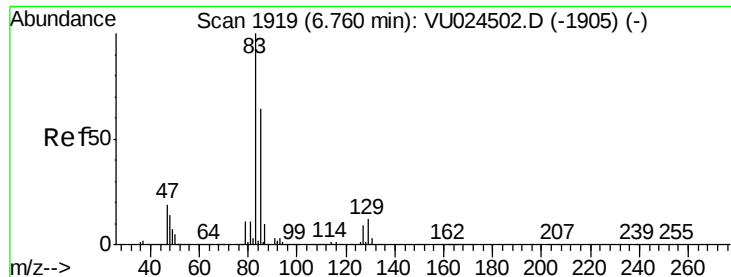


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.497 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

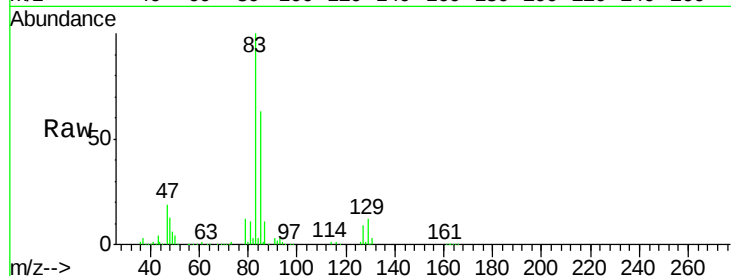
Tot Ion: 83 Resp: 158783

Ion Ratio Lower Upper

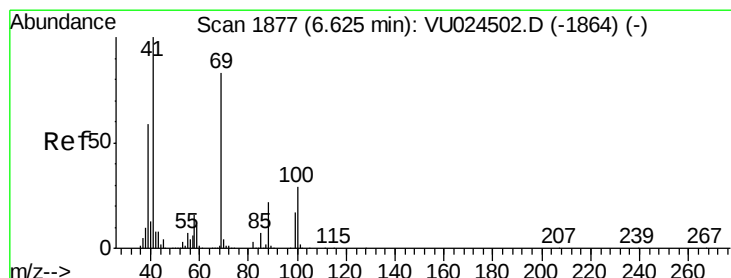
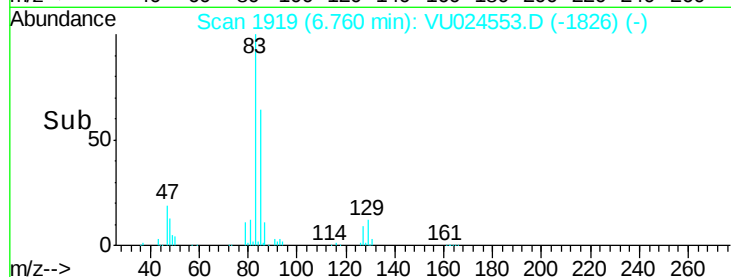
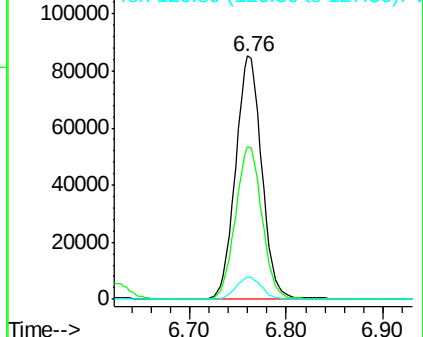
83 100

85 63.0 51.9 77.9

127 9.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.781 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

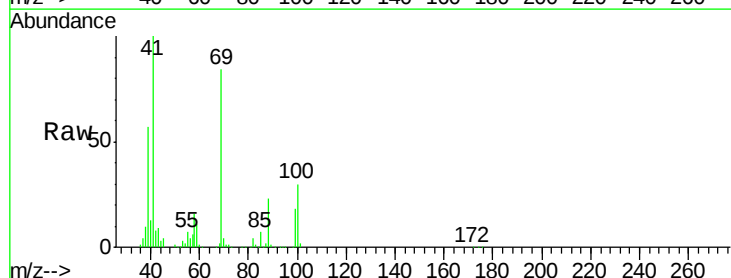
Tgt Ion: 41 Resp: 137795

Ion Ratio Lower Upper

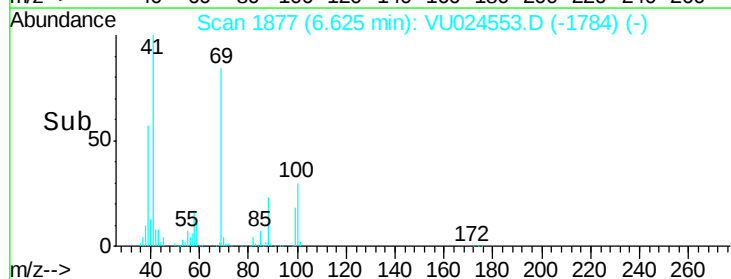
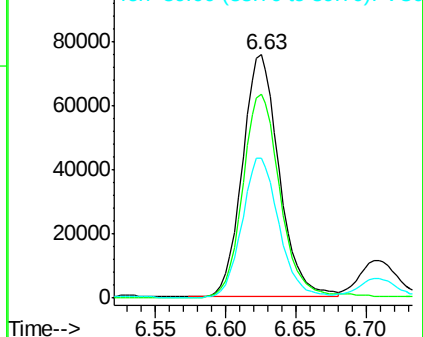
41 100

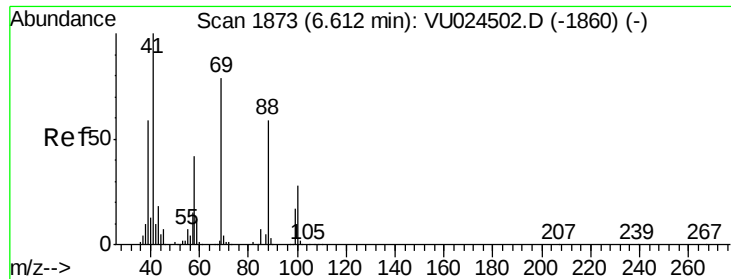
69 84.9 67.3 100.9

39 57.8 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

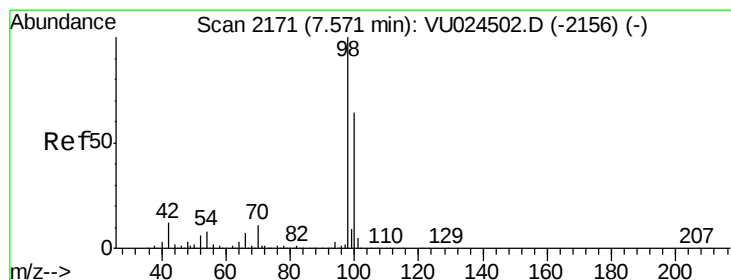
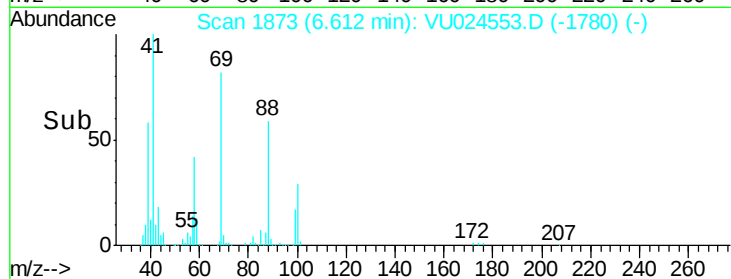
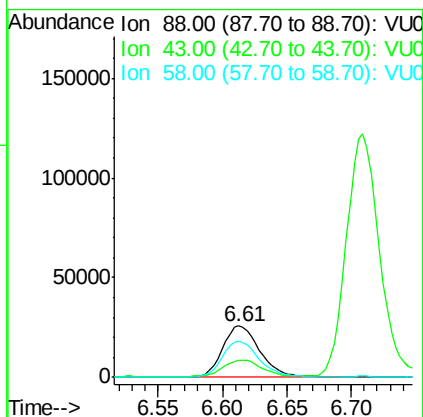
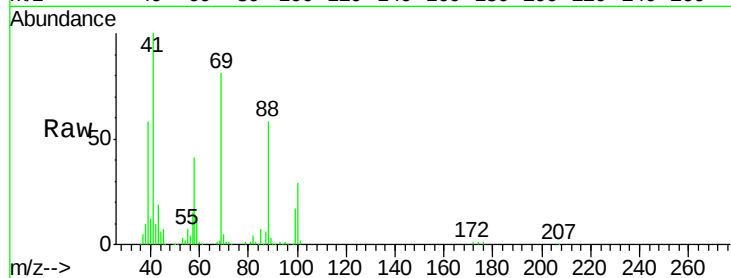




#49
 1,4-Dioxane
 Concen: 902.772 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

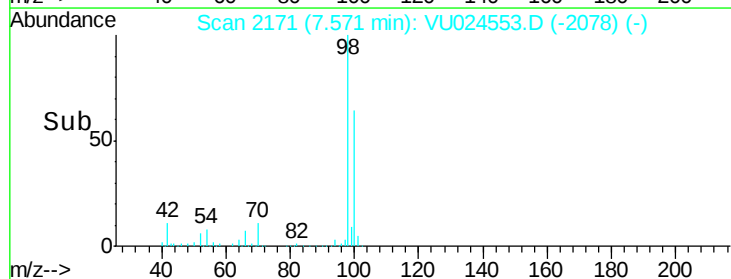
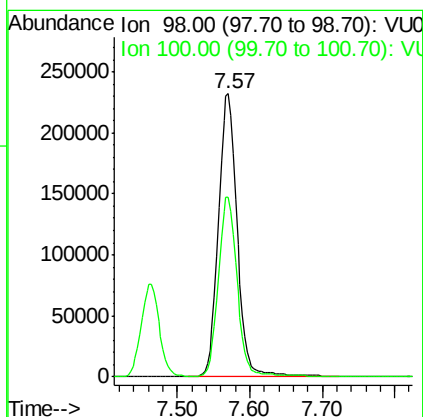
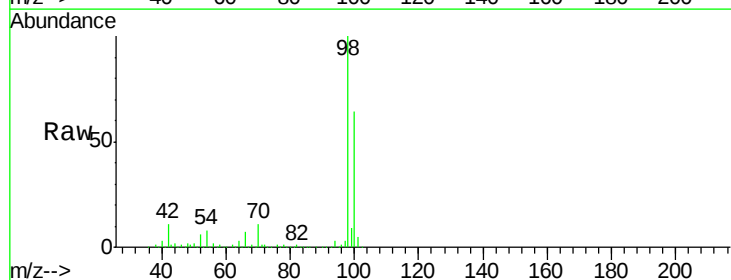
Instrument :
 MSVOA_U
 ClientSampleId :

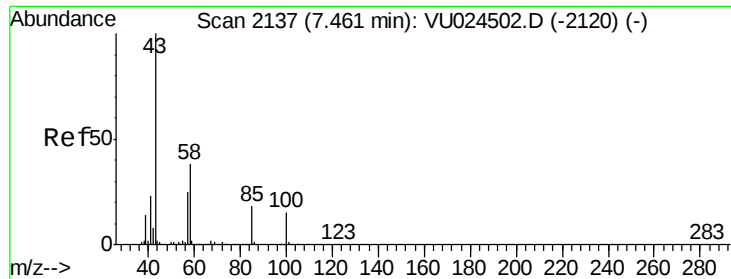
Tot Ion: 88 Resp: 50915
 Ion Ratio Lower Upper
 88 100
 43 33.9 28.6 42.8
 58 71.5 58.2 87.4



#50
 Toluene-d8
 Concen: 51.681 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 98 Resp: 418542
 Ion Ratio Lower Upper
 98 100
 100 62.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 245.627 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

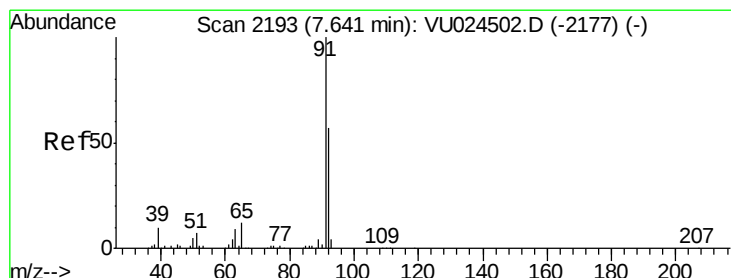
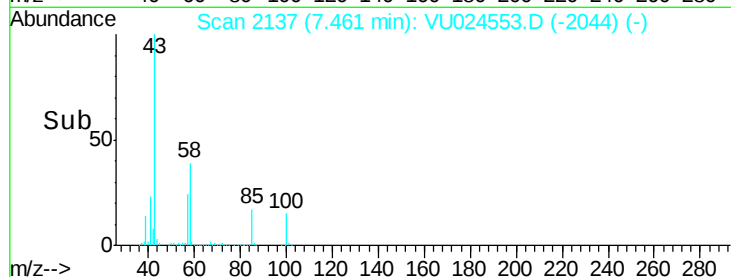
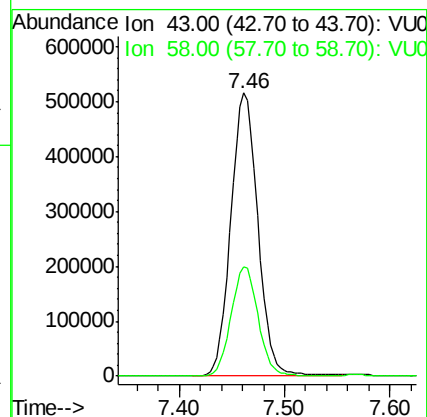
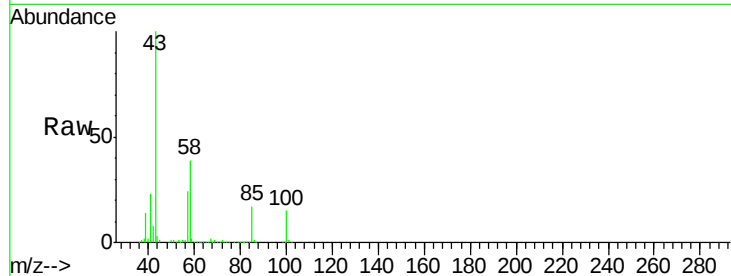
ClientSampled :

Tot Ion: 43 Resp: 913935

Ion Ratio Lower Upper

43 100

58 38.8 30.0 45.0



#52

Toluene

Concen: 47.824 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024553.D

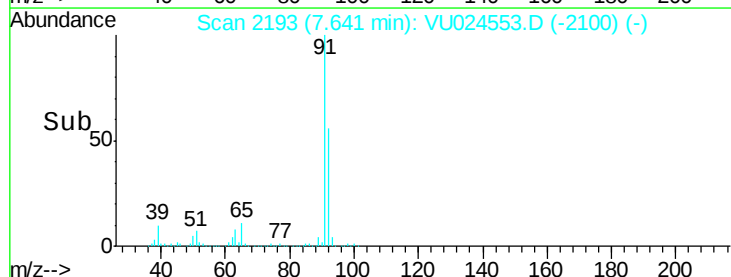
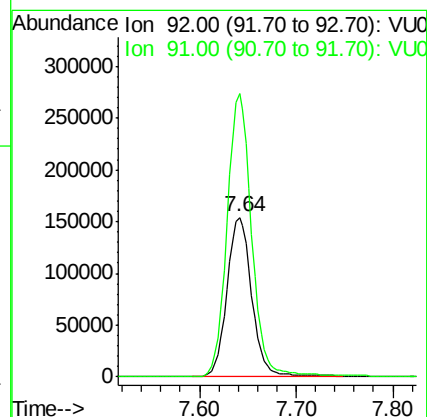
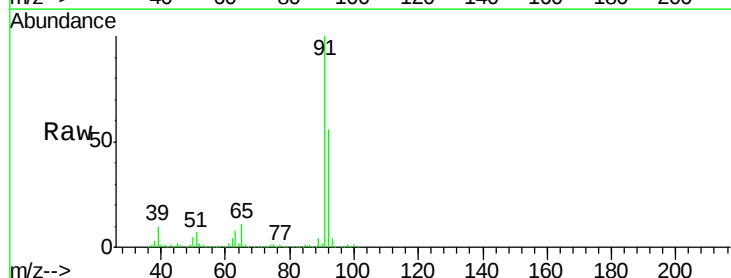
Acq: 14 Jun 2018 20:21

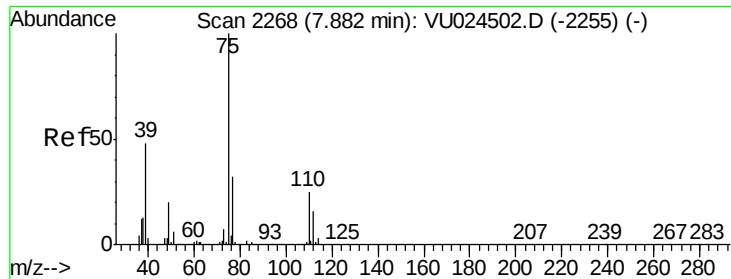
Tgt Ion: 92 Resp: 275606

Ion Ratio Lower Upper

92 100

91 177.1 140.5 210.7

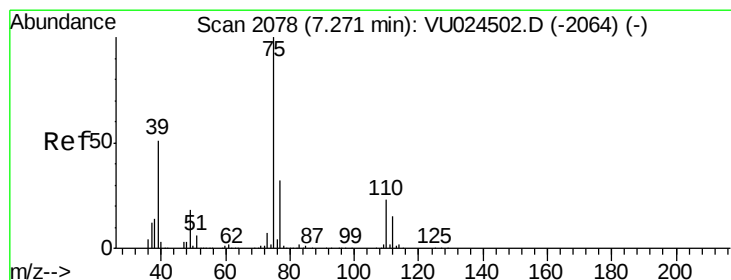
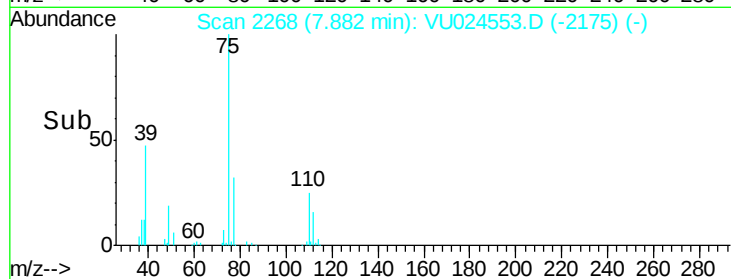
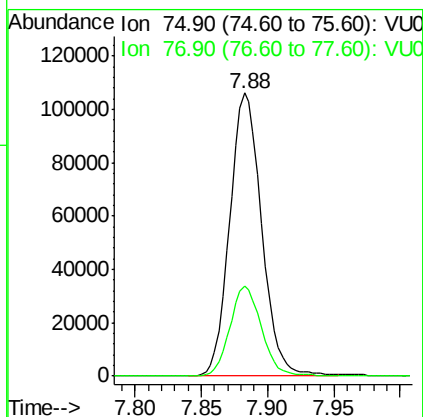
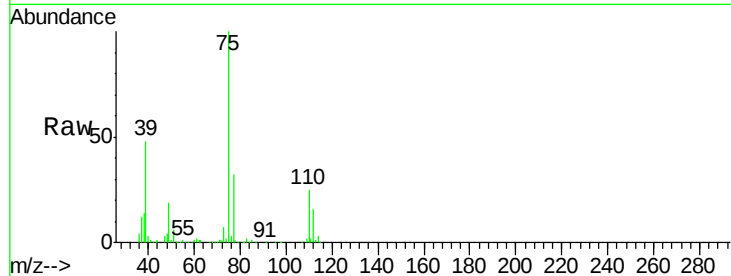




#53
 t-1,3-Dichloropropene
 Concen: 47.310 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

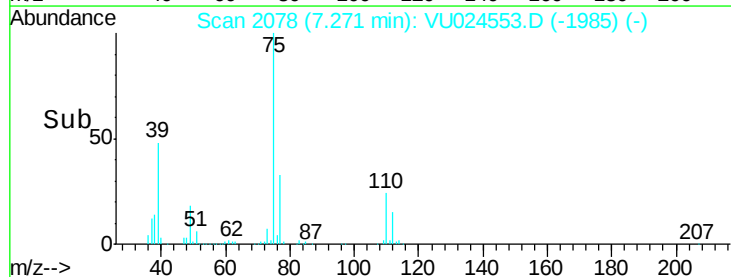
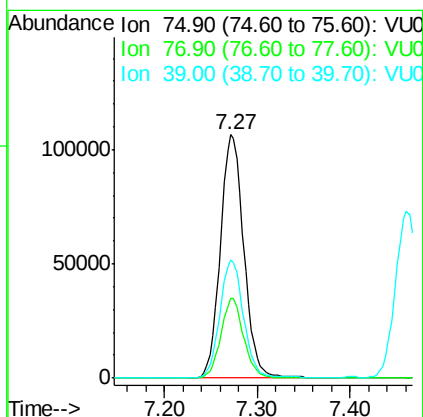
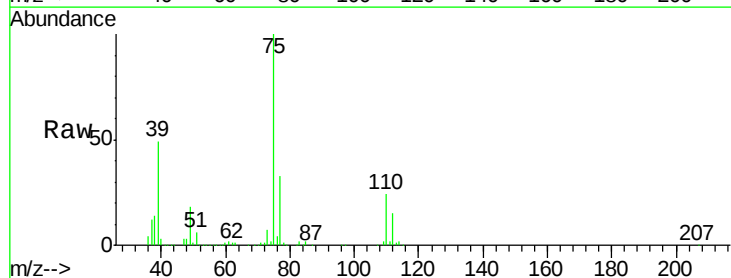
Instrument :
 MSVOA_U
 ClientSampleId :

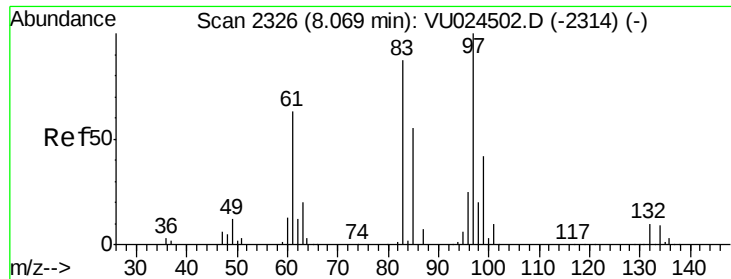
Tot Ion: 75 Resp: 177613
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 46.861 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 75 Resp: 187461
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 36.8
 39 48.5 39.8 59.6

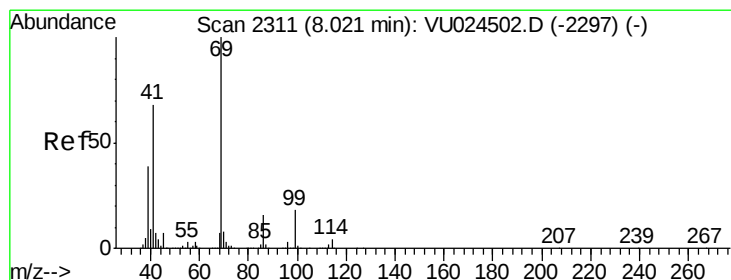
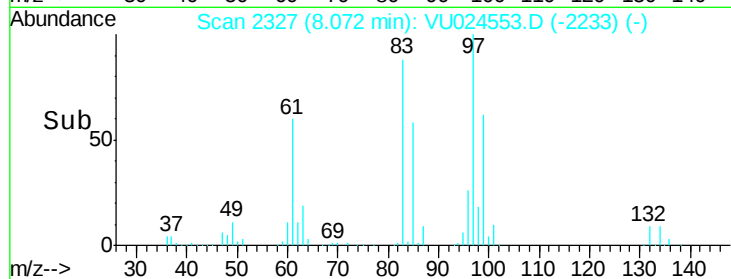
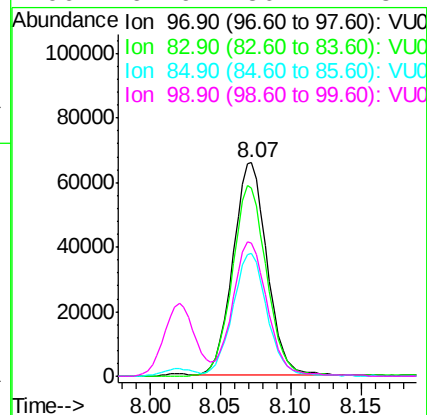
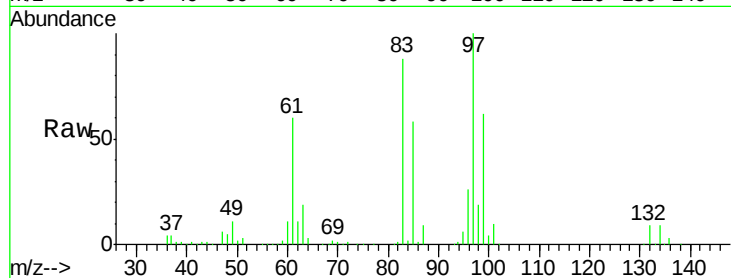




#55
 1,1,2-Trichloroethane
 Concen: 47.288 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

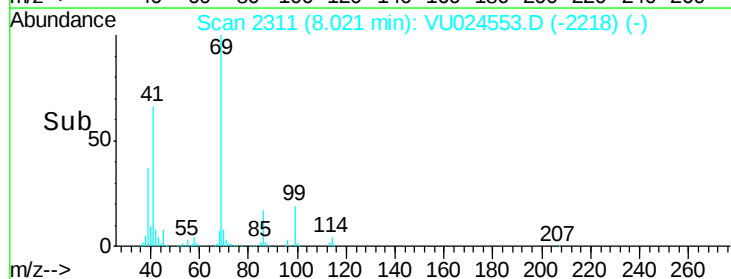
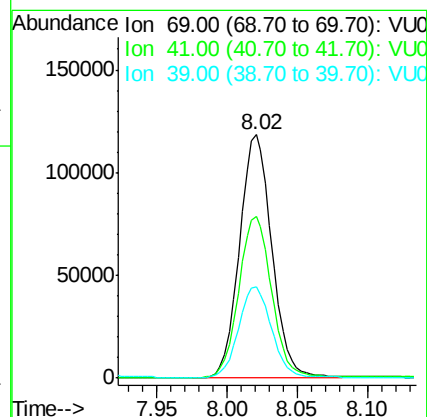
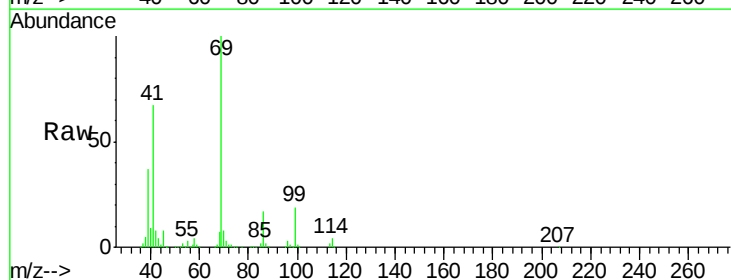
Instrument :
 MSVOA_U
 ClientSampleId :

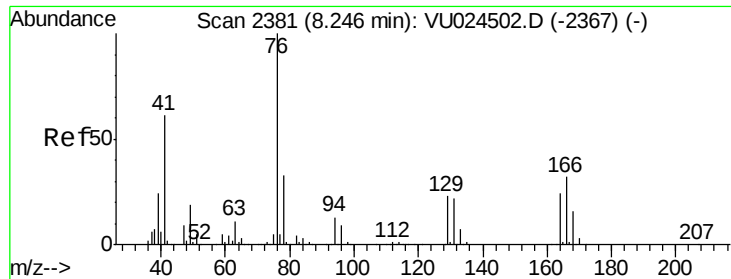
Tot Ion:	97	Resp:	110775
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.5	105.7
85	57.6	46.4	69.6
99	61.9	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 48.514 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion:	69	Resp:	190217
Ion	Ratio	Lower	Upper
69	100		
41	67.2	54.1	81.1
39	37.7	30.3	45.5

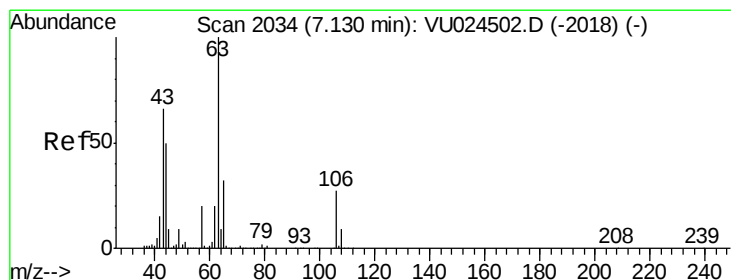
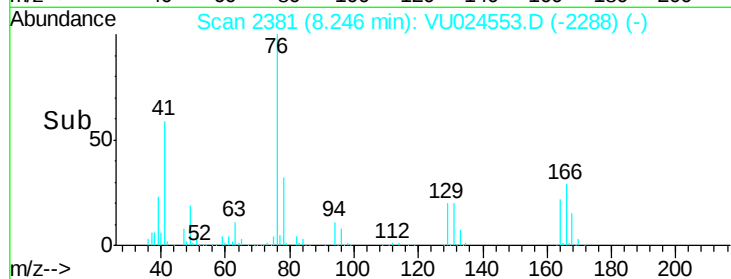
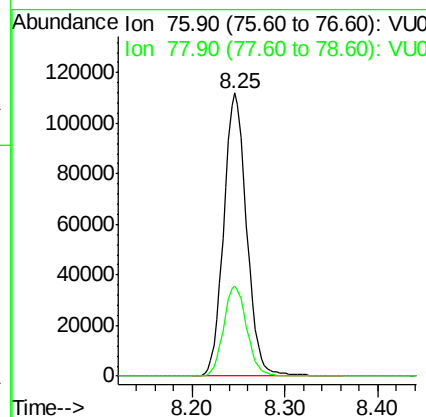
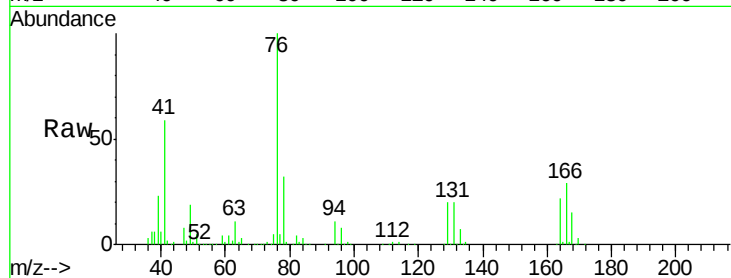




#57
 1,3-Dichloropropane
 Concen: 48.517 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

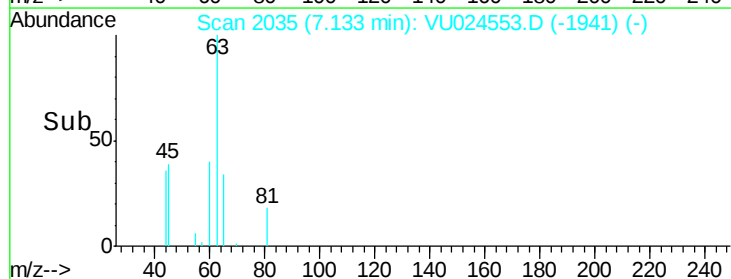
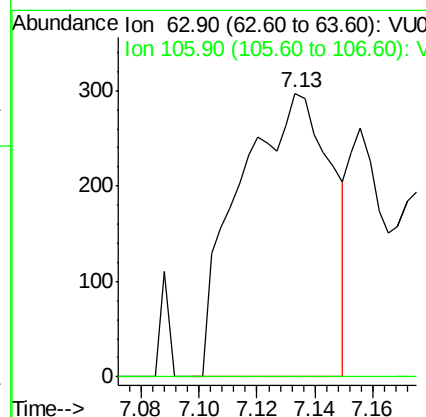
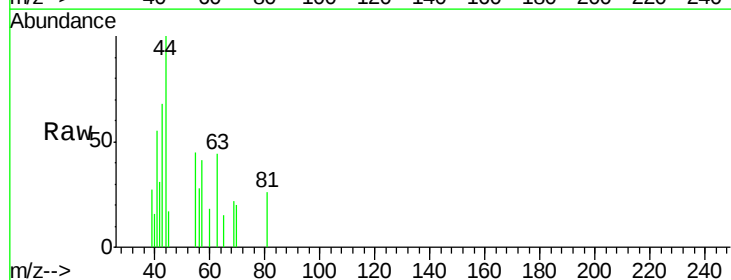
Instrument :
 MSVOA_U
 ClientSampleId :

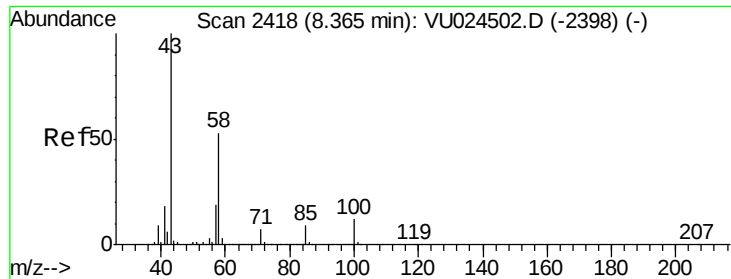
Tot Ion: 76 Resp: 191727
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.436 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 63 Resp: 655
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#

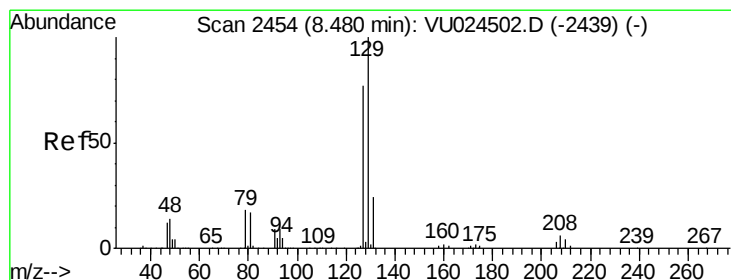
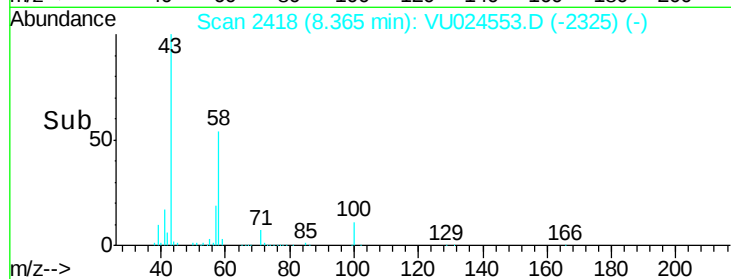
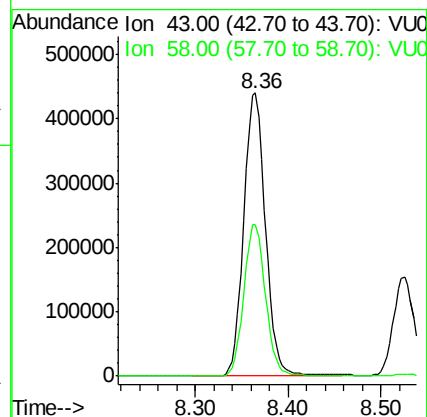
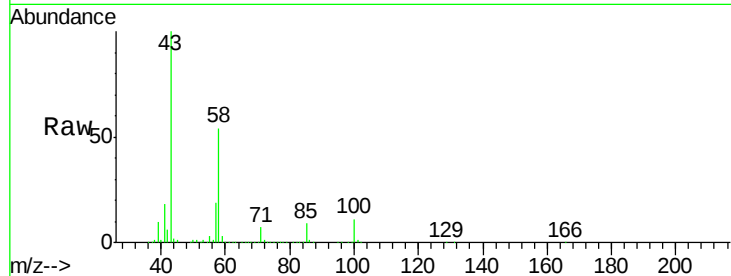




#59
2-Hexanone
Concen: 235.565 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

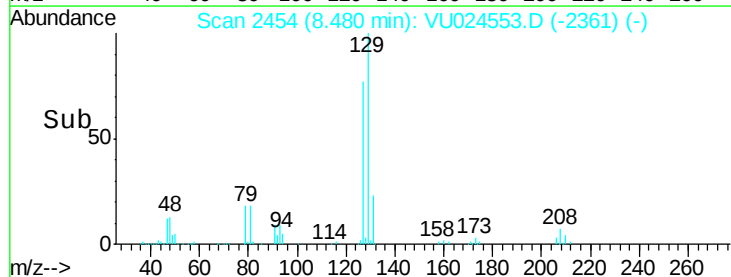
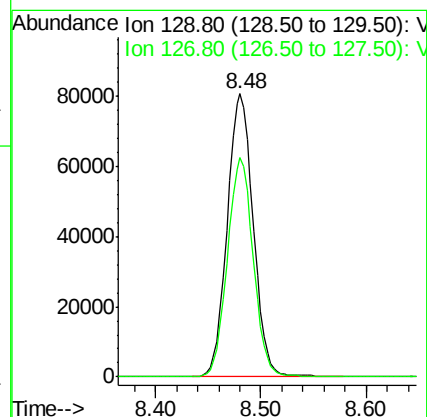
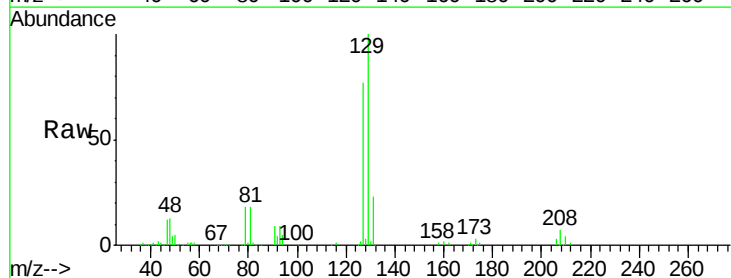
Instrument :
MSVOA_U
ClientSampled :

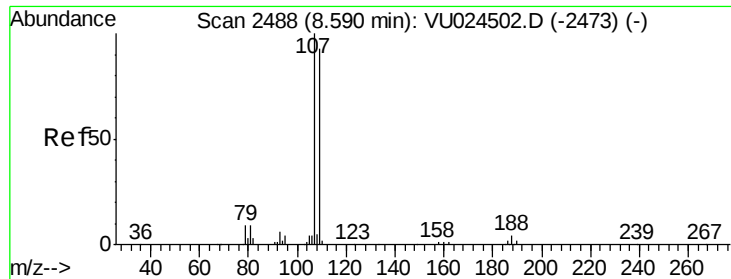
Tot Ion: 43 Resp: 715576
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0



#60
Dibromochloromethane
Concen: 47.183 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 129 Resp: 137830
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.365 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

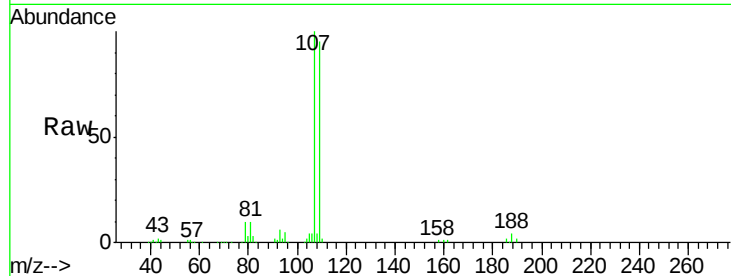
ClientSampleId :

Tot Ion:107 Resp: 126106

Ion Ratio Lower Upper

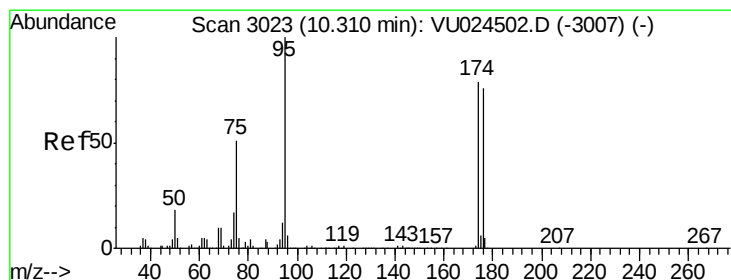
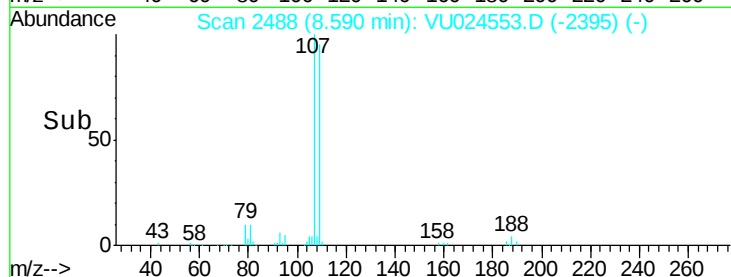
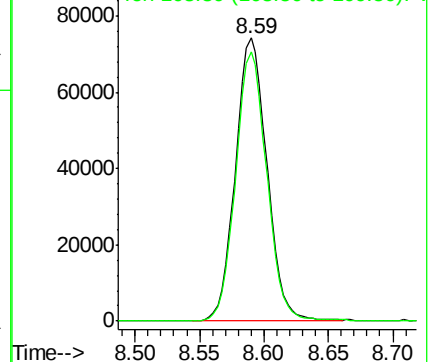
107 100

109 94.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.688 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

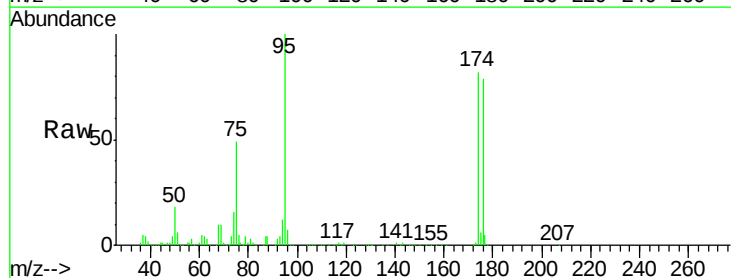
Tgt Ion: 95 Resp: 166198

Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.8

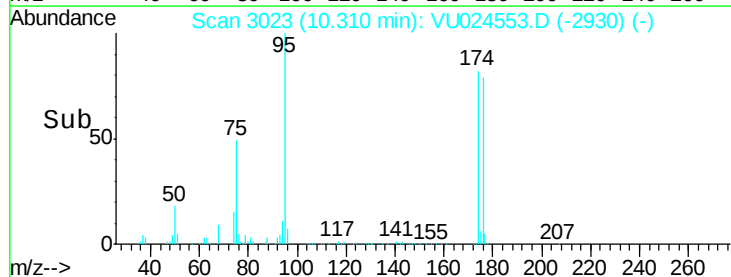
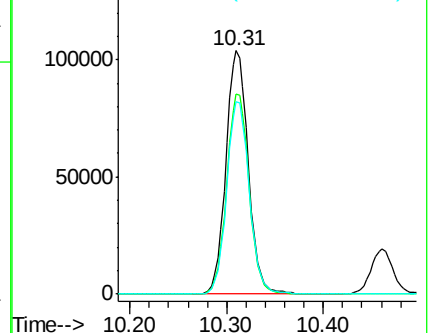
176 79.9 0.0 159.4

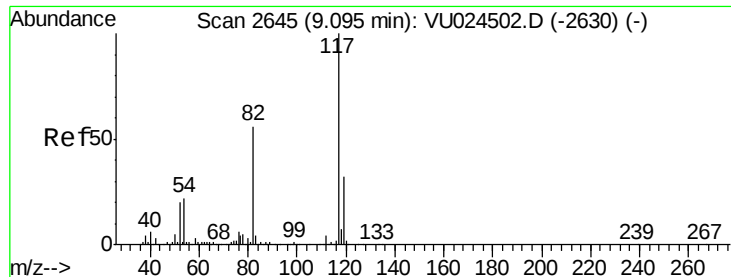


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

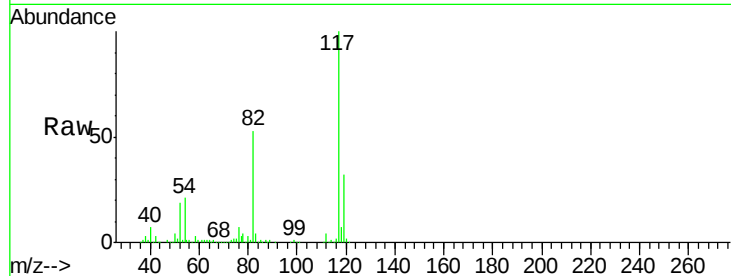




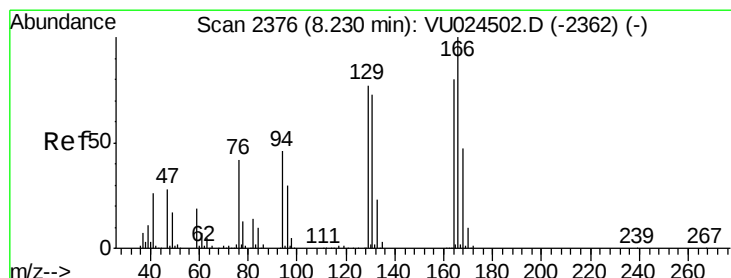
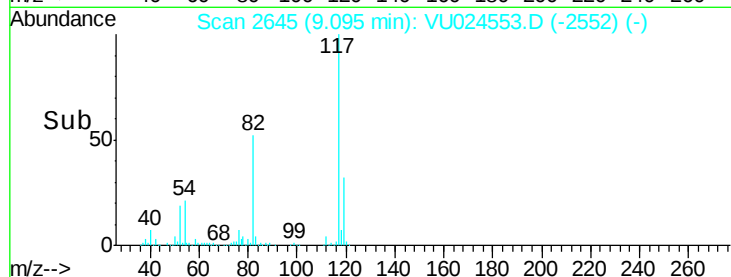
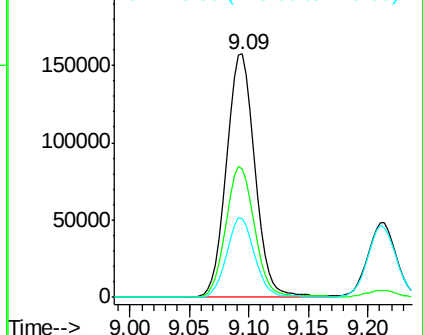
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 262964
Ion Ratio Lower Upper
117 100
82 52.6 44.3 66.5
119 32.4 25.4 38.2

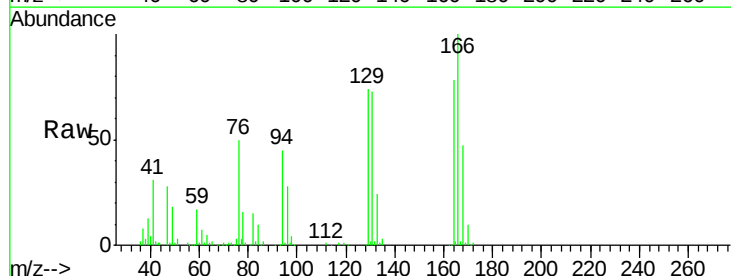


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

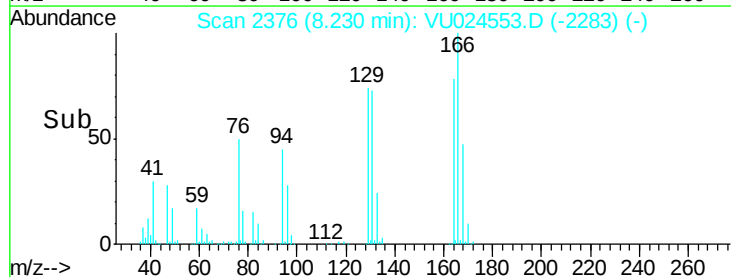
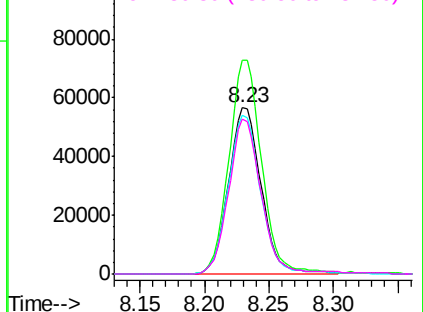


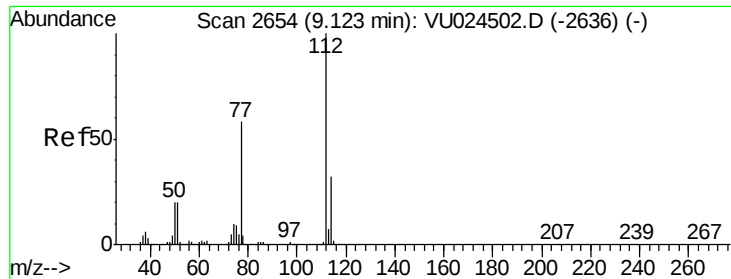
#64
Tetrachloroethene
Concen: 39.822 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion:164 Resp: 99537
Ion Ratio Lower Upper
164 100
166 128.4 101.7 152.5
129 95.3 76.9 115.3
131 93.4 74.9 112.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 47.008 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

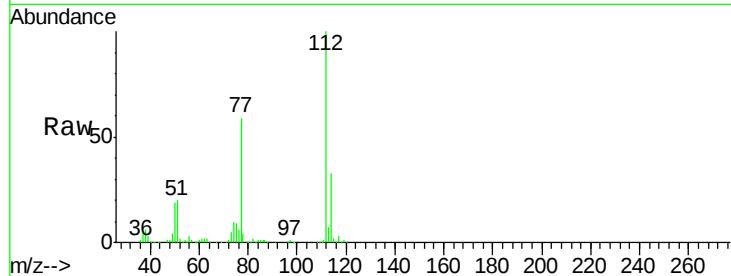
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 315788

Ion Ratio Lower Upper

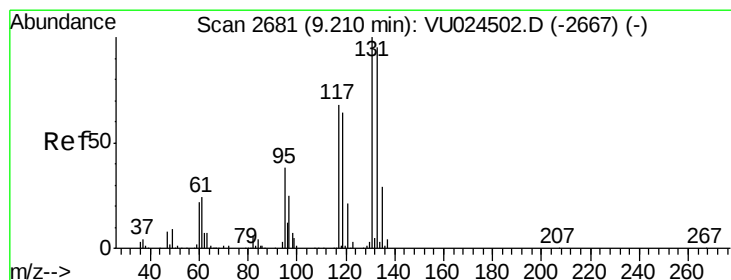
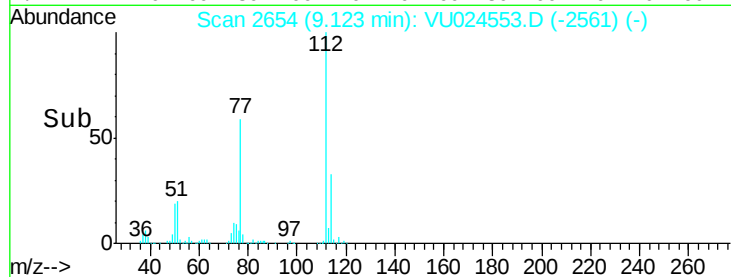
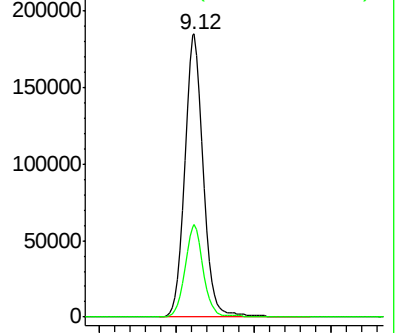
112 100

114 32.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.490 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

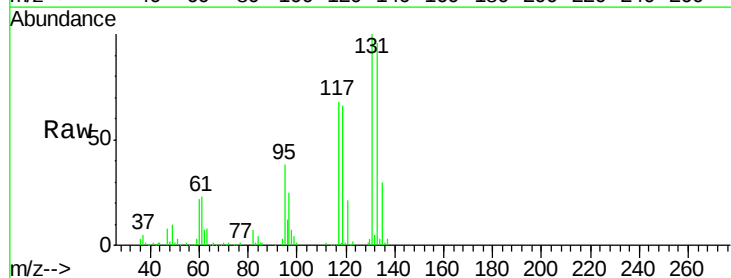
Tgt Ion:131 Resp: 118652

Ion Ratio Lower Upper

131 100

133 95.6 46.9 140.8

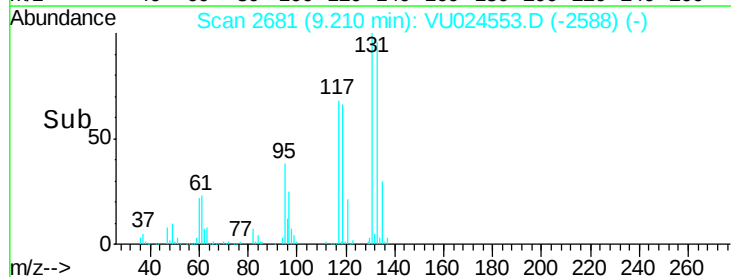
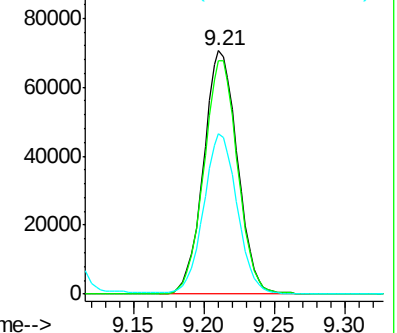
119 64.8 33.5 100.4

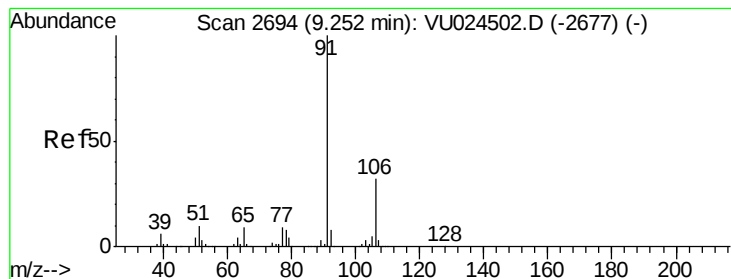


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.011 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

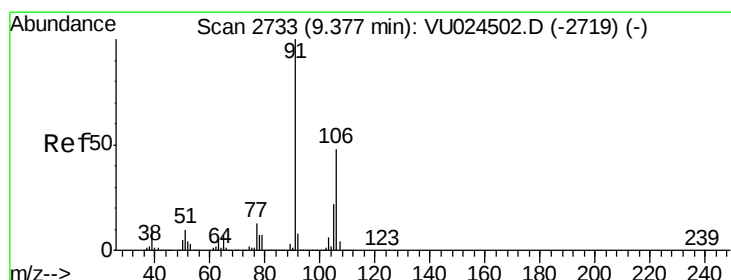
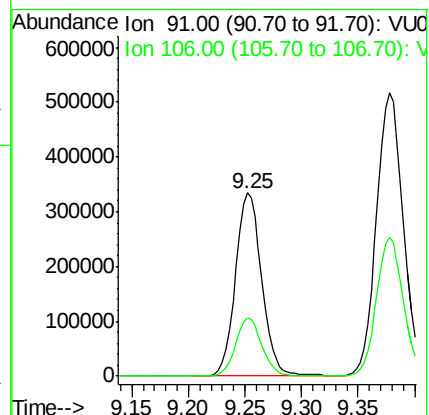
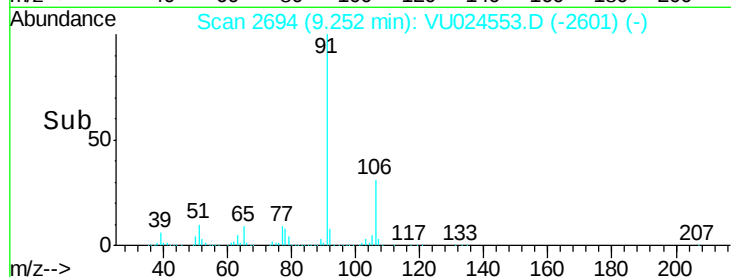
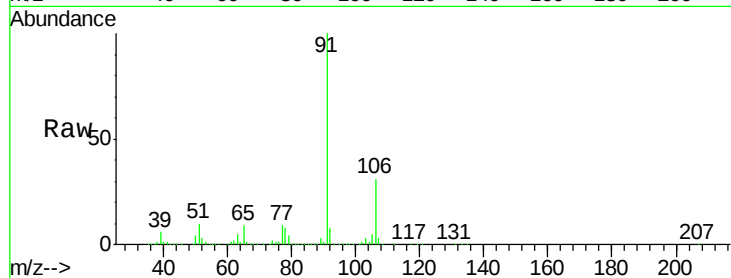
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 541866

Ion Ratio Lower Upper

91 100

106 31.5 24.2 36.4



#68

m/p-Xylenes

Concen: 92.883 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024553.D

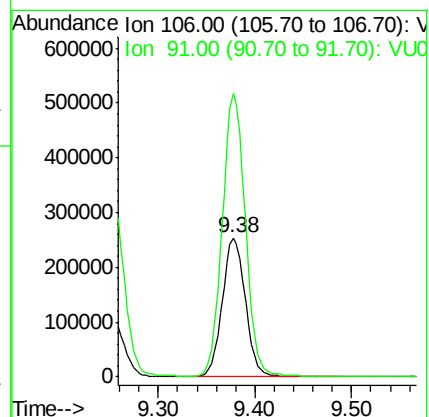
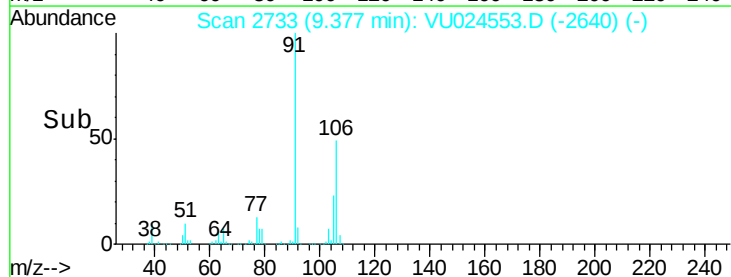
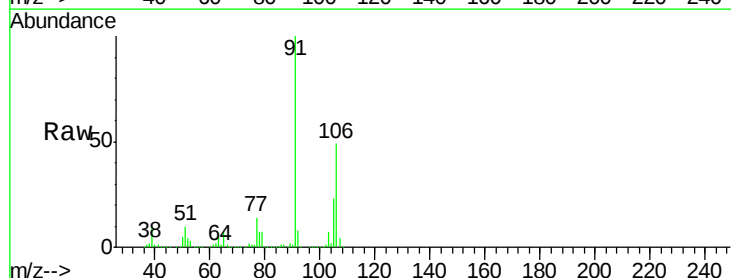
Acq: 14 Jun 2018 20:21

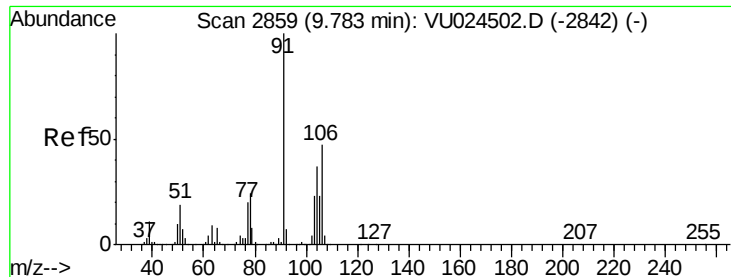
Tgt Ion: 106 Resp: 420043

Ion Ratio Lower Upper

106 100

91 204.3 166.5 249.7

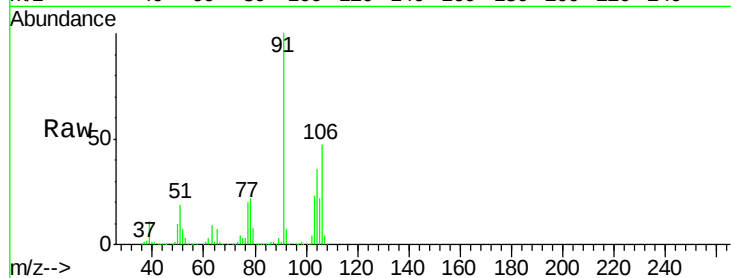




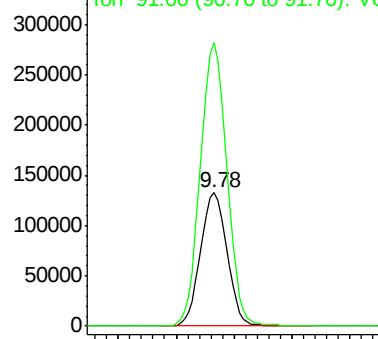
#69
o-Xylene
Concen: 46.788 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :

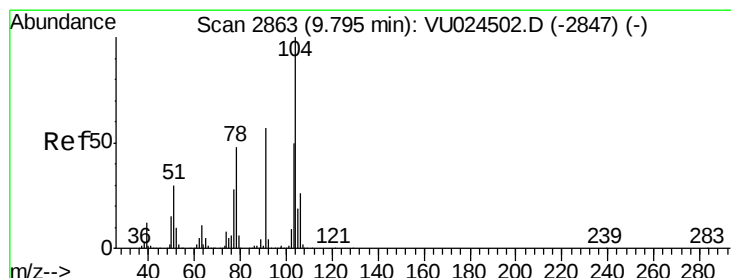
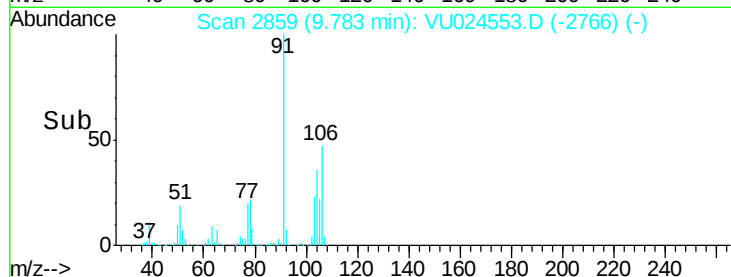
Tot Ion:106 Resp: 209400
Ion Ratio Lower Upper
106 100
91 212.5 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

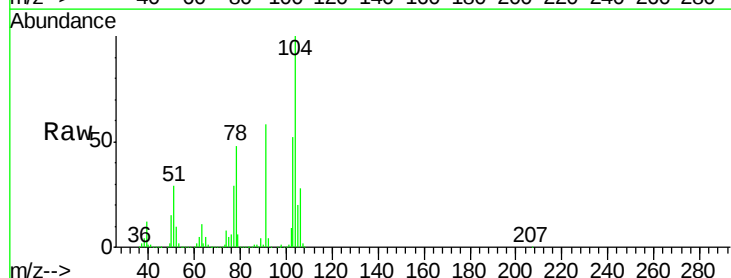


Time-->

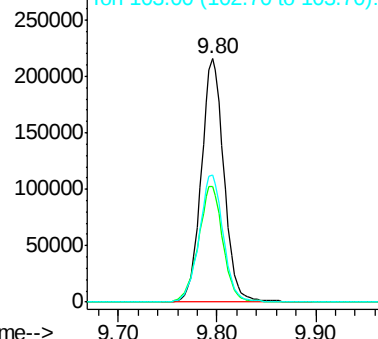


#70
Styrene
Concen: 47.187 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

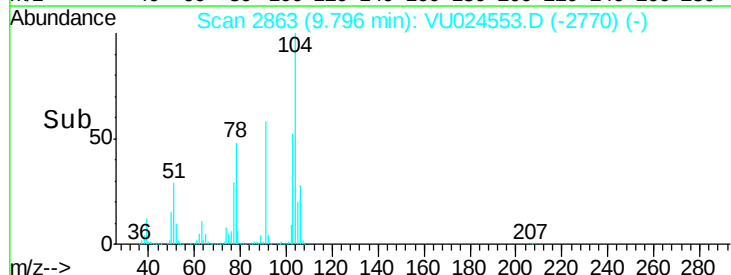
Tgt Ion:104 Resp: 347051
Ion Ratio Lower Upper
104 100
78 51.4 40.6 60.8
103 55.5 44.7 67.1

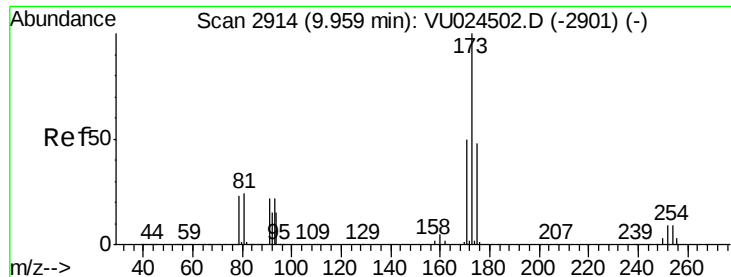


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 46.917 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

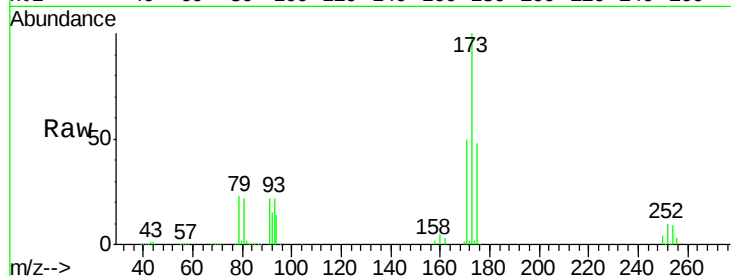
Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

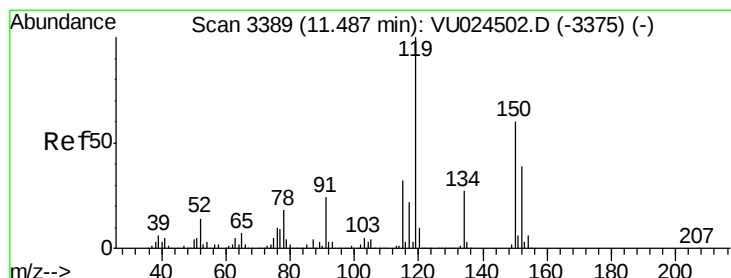
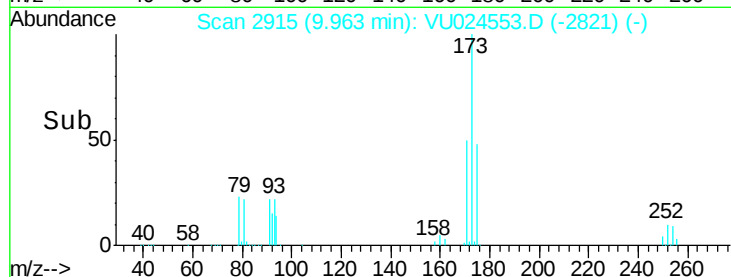
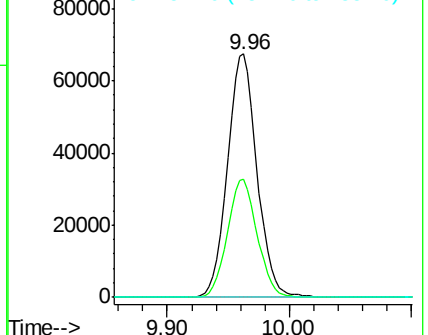
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:173 Resp: 113814

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.0	0.0



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: 50.000 ug/l

RT: 11.49 min Scan# 3389

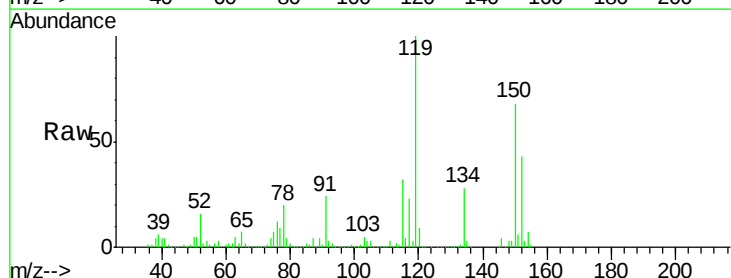
Delta R.T. 0.00 min

Lab File: VU024553.D

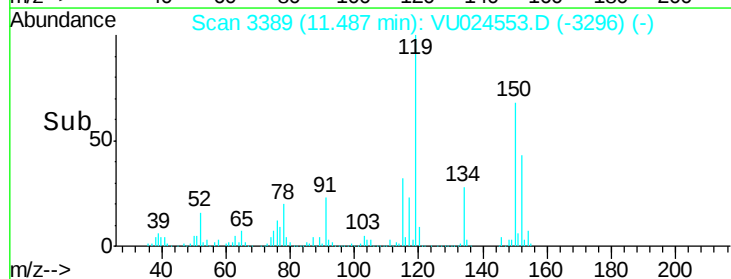
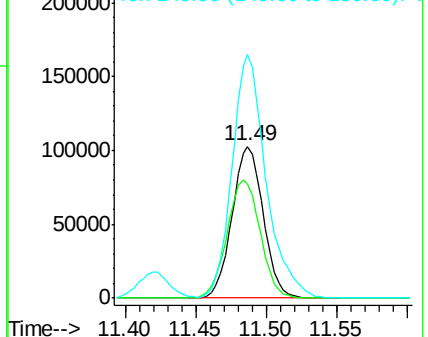
Acq: 14 Jun 2018 20:21

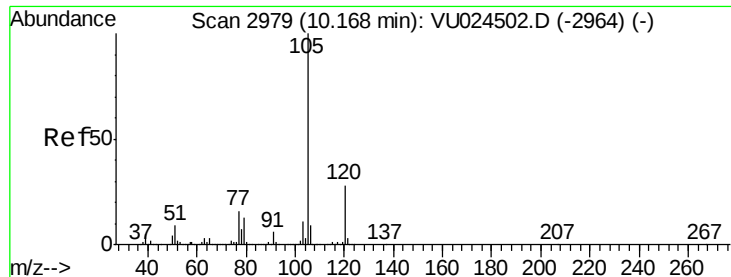
Tgt Ion:152 Resp: 158571

Ion	Ratio	Lower	Upper
152	100		
115	82.8	43.0	129.0
150	174.9	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: 45.391 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

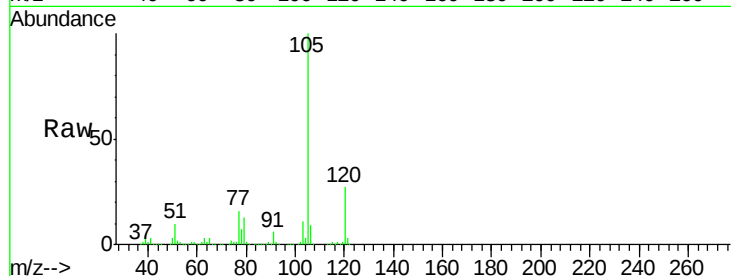
ClientSampleId :

Tot Ion:105 Resp: 552607

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

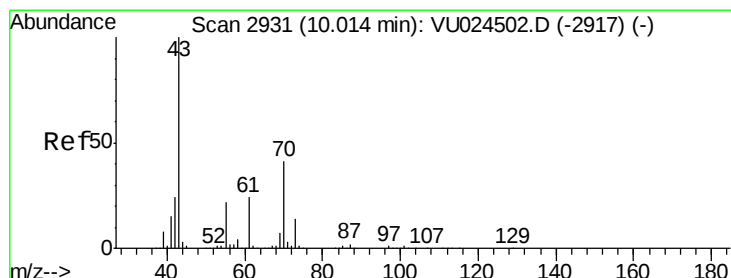
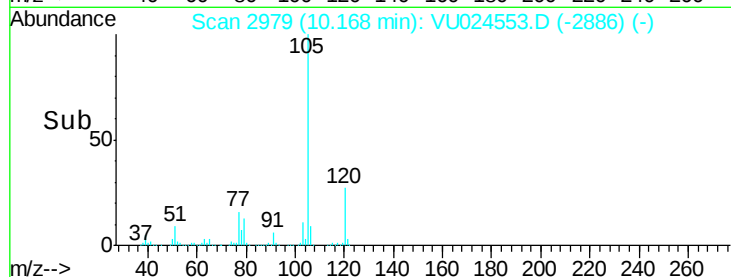
300000

200000

100000

0

Time--> 10.10 10.20



#74

N-ethyl acetate

Concen: 43.851 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion: 43 Resp: 253931

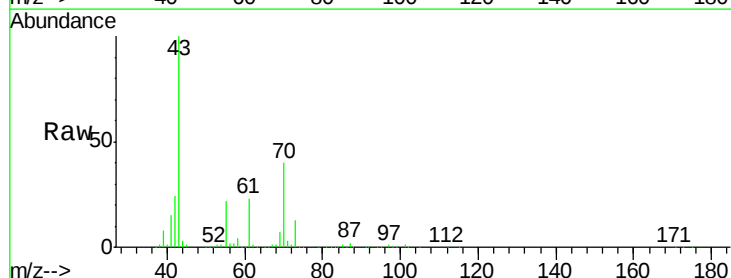
Ion Ratio Lower Upper

43 100

70 40.2 32.2 48.4

55 22.5 20.5 30.7

61 23.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

250000

200000

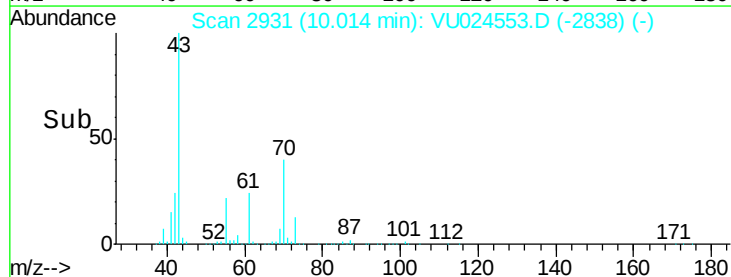
150000

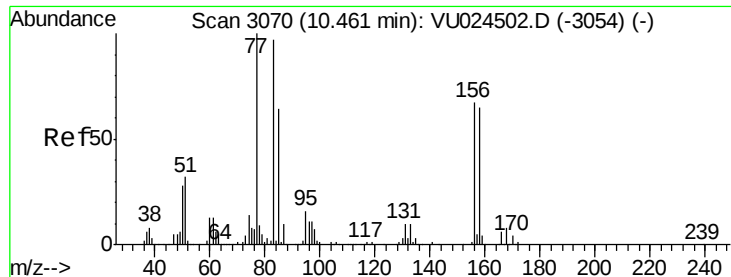
100000

50000

0

Time--> 10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 47.781 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

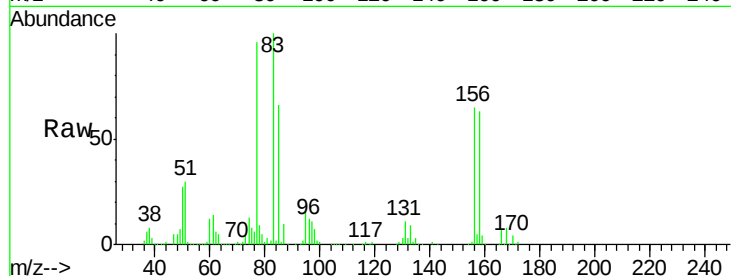
Tot Ion: 83 Resp: 194933

Ion Ratio Lower Upper

83 100

131 10.6 4.7 14.1

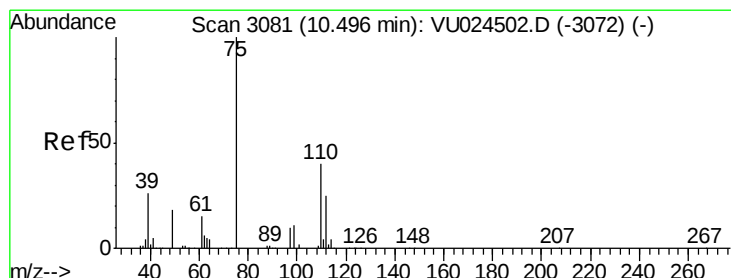
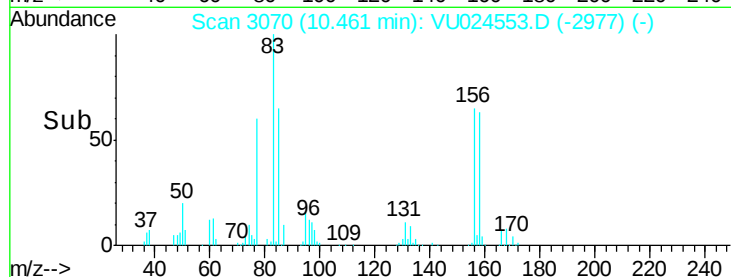
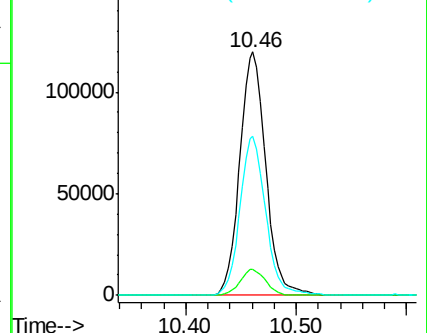
85 65.0 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 64.348 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024553.D

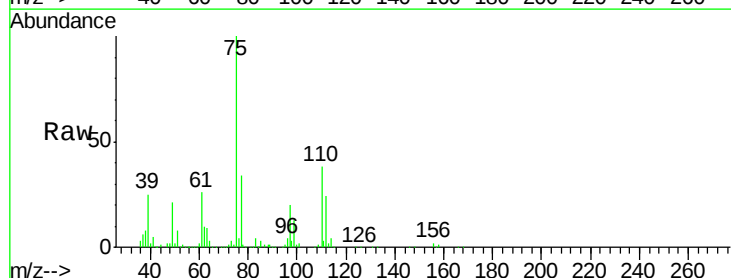
Acq: 14 Jun 2018 20:21

Tgt Ion: 75 Resp: 224649

Ion Ratio Lower Upper

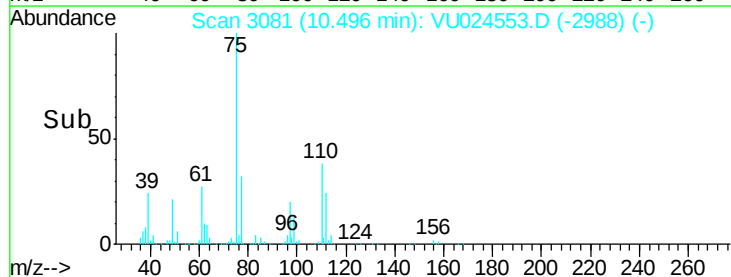
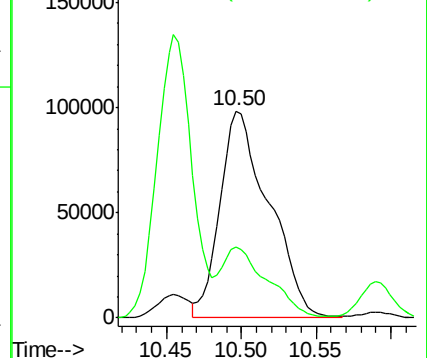
75 100

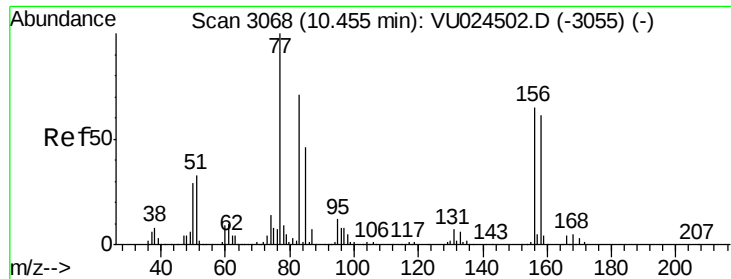
77 30.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

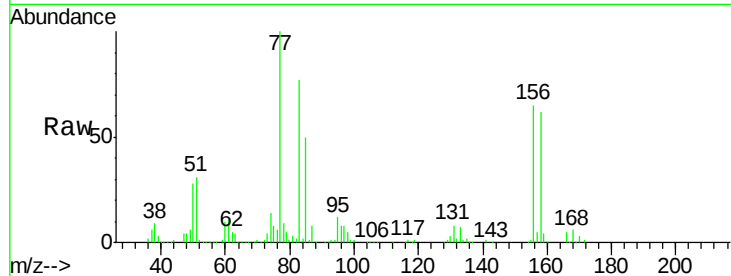




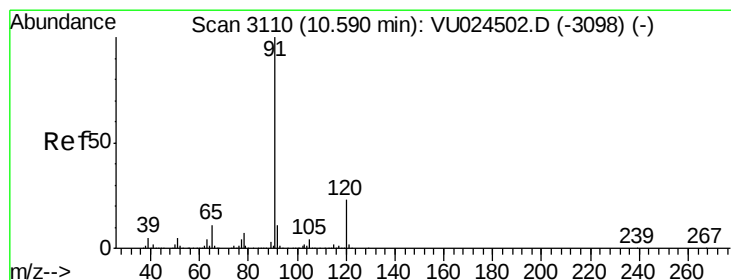
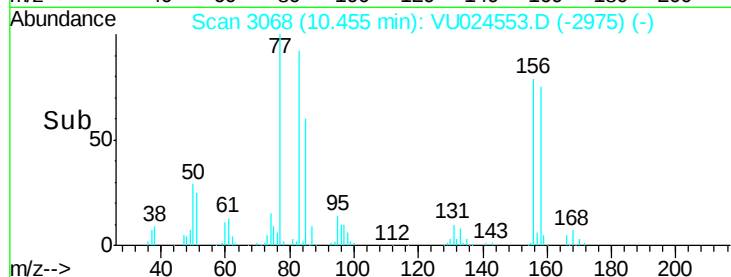
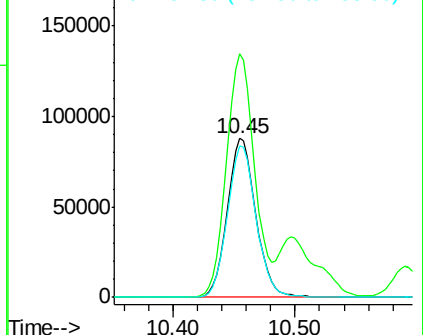
#77
Bromobenzene
Concen: 46.536 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:156 Resp: 143431
Ion Ratio Lower Upper
156 100
77 151.9 80.5 241.3
158 96.1 48.2 144.6

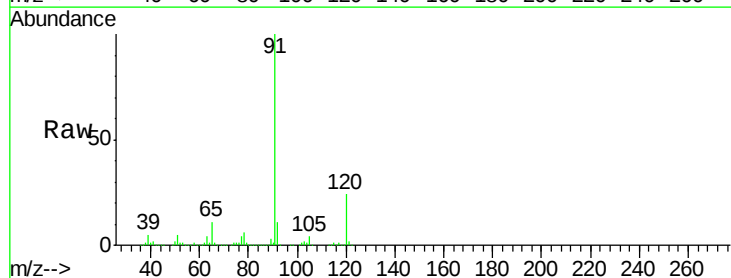


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V

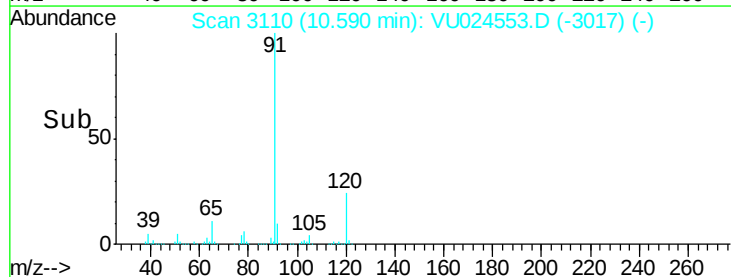
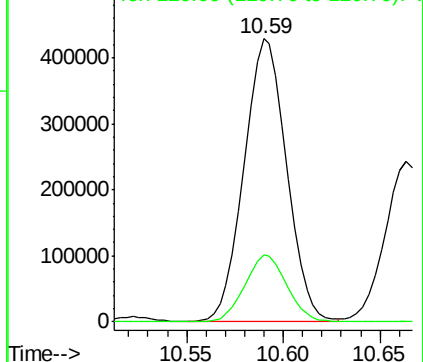


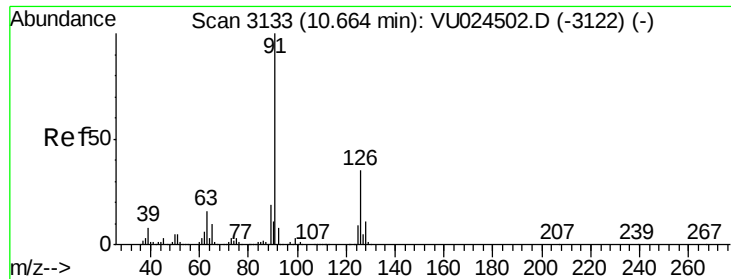
#78
n-propylbenzene
Concen: 45.646 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 91 Resp: 654631
Ion Ratio Lower Upper
91 100
120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V

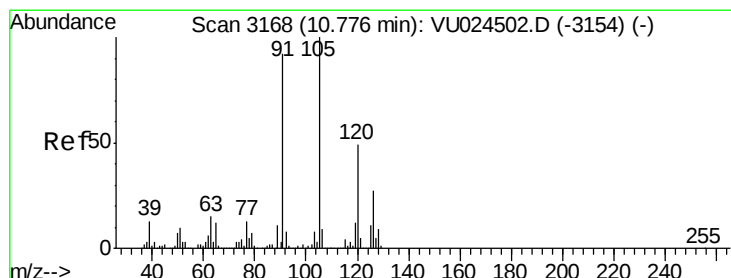
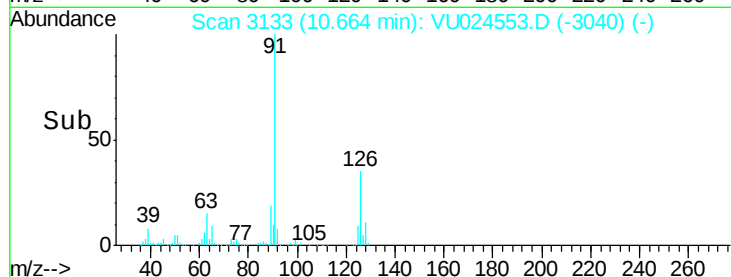
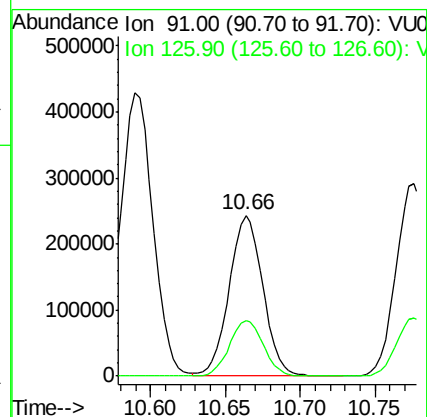
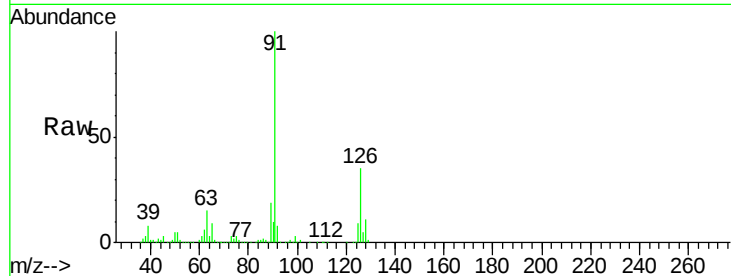




#79
2-Chlorotoluene
Concen: 45.102 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

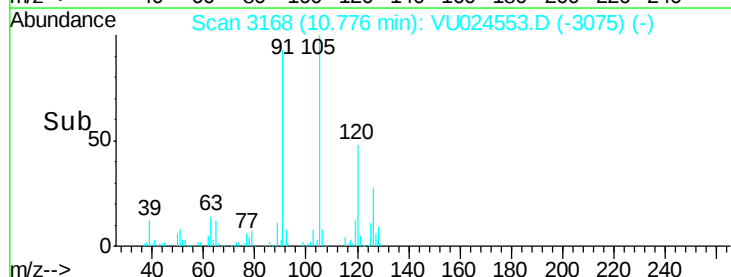
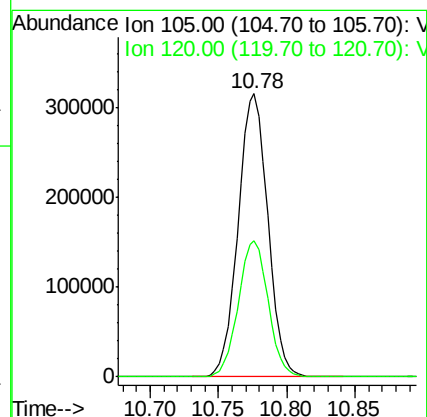
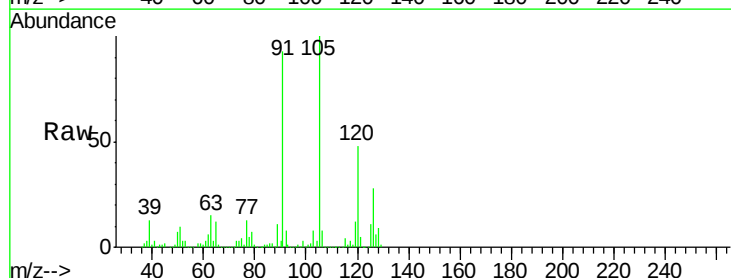
Instrument :
MSVOA_U
ClientSampleId :

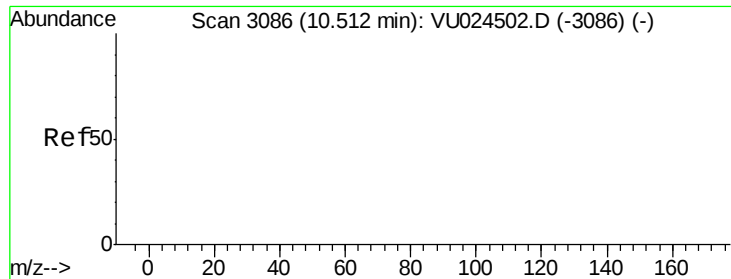
Tot Ion: 91 Resp: 381441
Ion Ratio Lower Upper
91 100
126 35.0 16.9 50.7



#80
1,3,5-Trimethylbenzene
Concen: 45.210 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 105 Resp: 477057
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.2

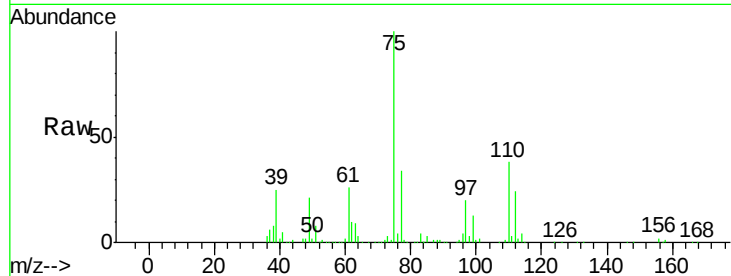




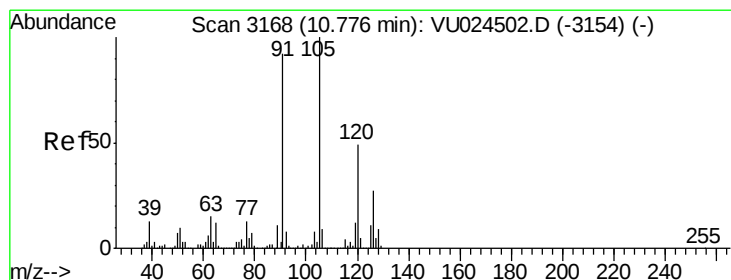
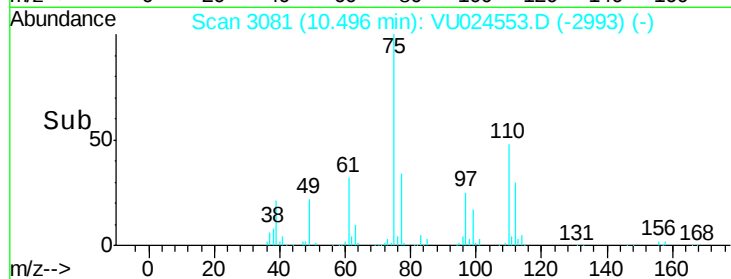
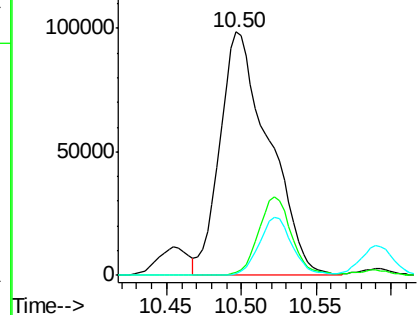
#81
trans-1,4-Dichloro-2-butene
Concen: 148.928 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 224649
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

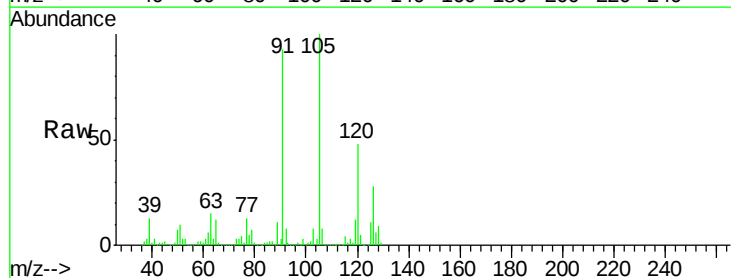


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

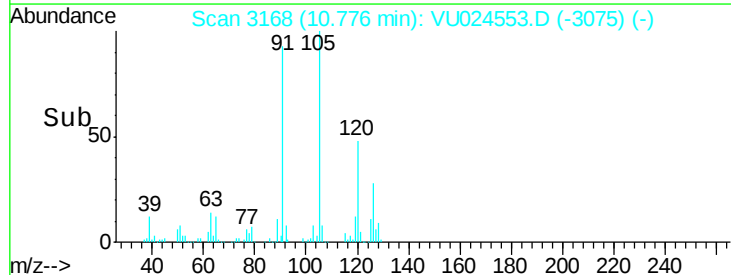
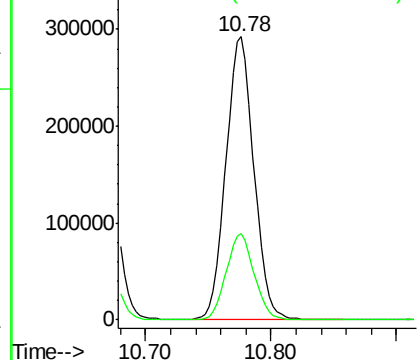


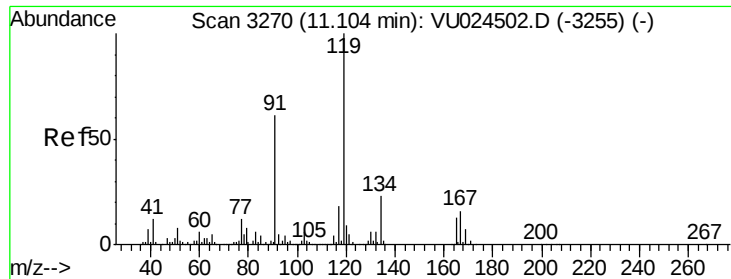
#82
4-Chlorotoluene
Concen: 45.956 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 91 Resp: 452365
Ion Ratio Lower Upper
91 100
126 30.5 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 46.631 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampled :

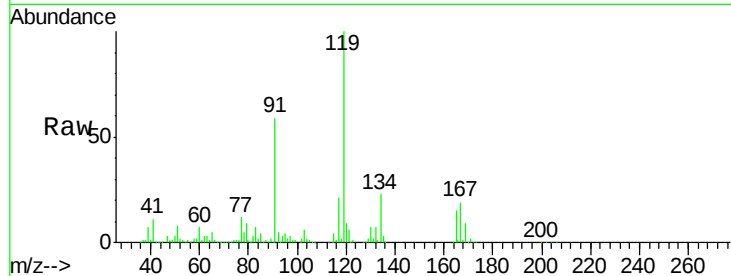
Tot Ion:119 Resp: 473326

Ion Ratio Lower Upper

119 100

91 58.2 29.7 89.1

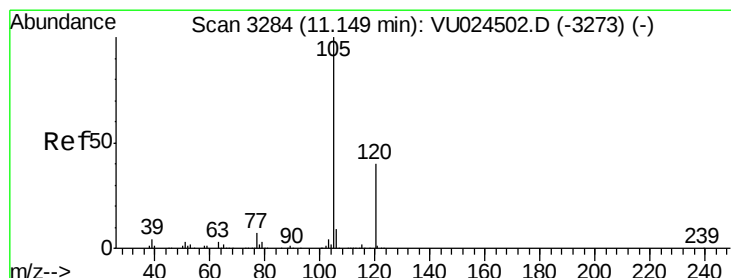
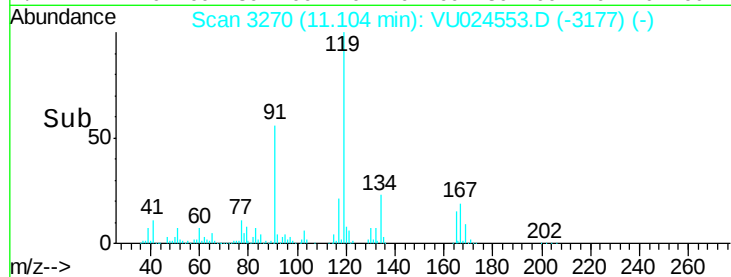
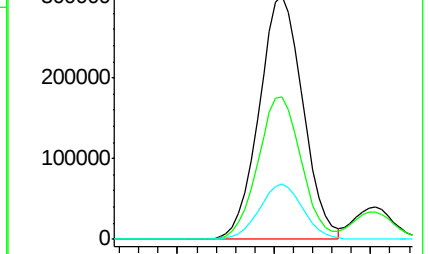
134 22.6 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.076 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024553.D

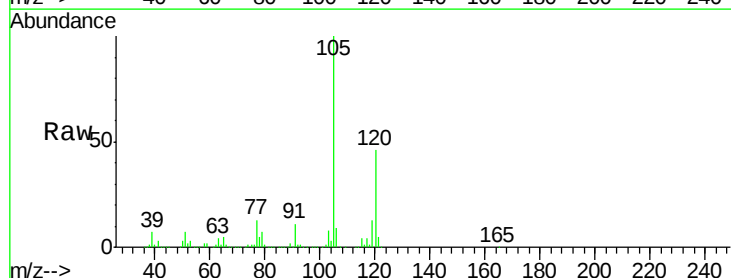
Acq: 14 Jun 2018 20:21

Tgt Ion:105 Resp: 484729

Ion Ratio Lower Upper

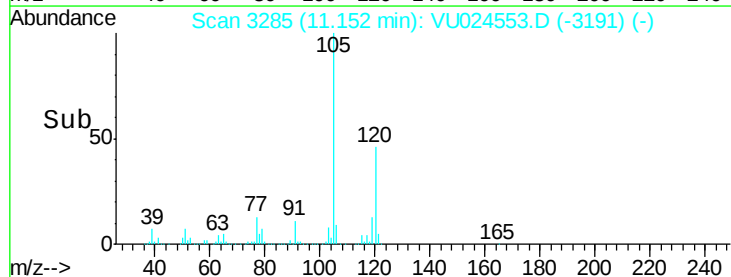
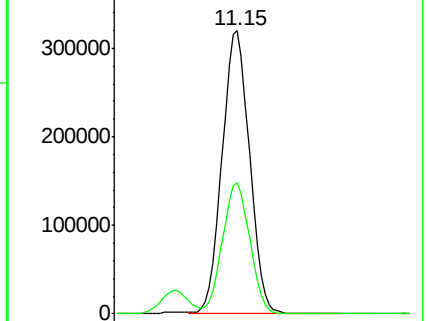
105 100

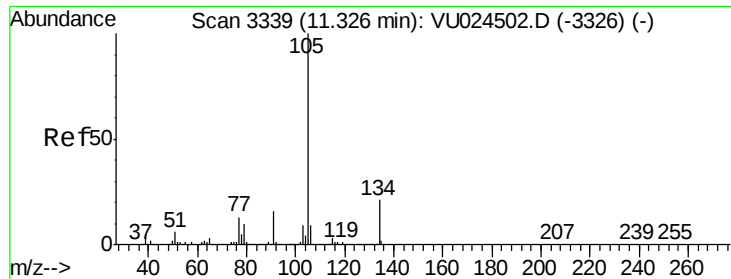
120 46.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.580 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

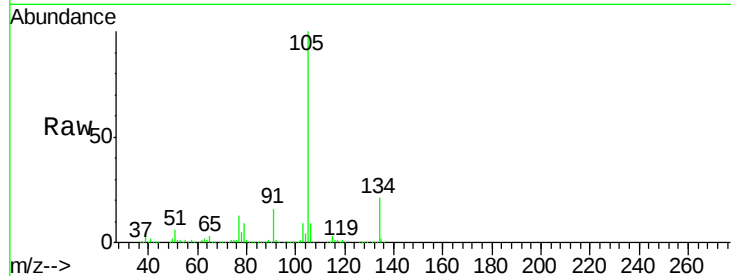
ClientSampleId :

Tot Ion:105 Resp: 579119

Ion Ratio Lower Upper

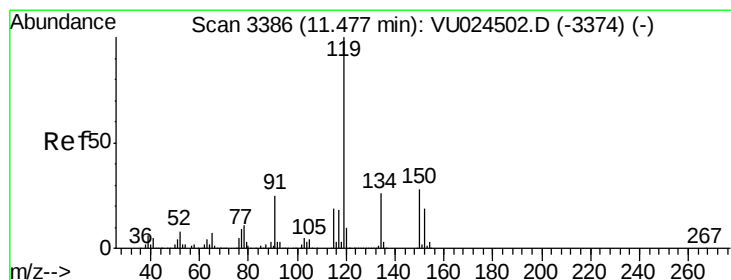
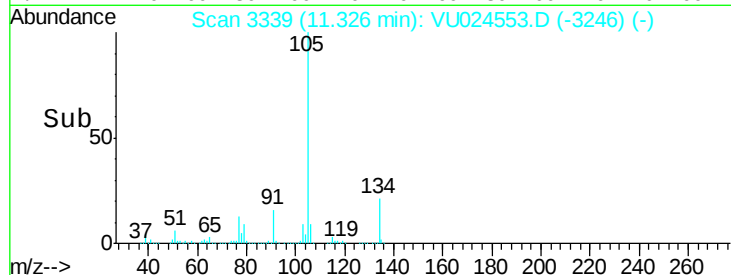
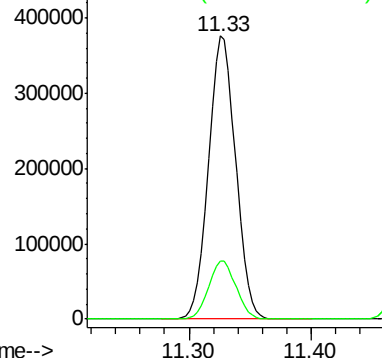
105 100

134 20.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.979 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

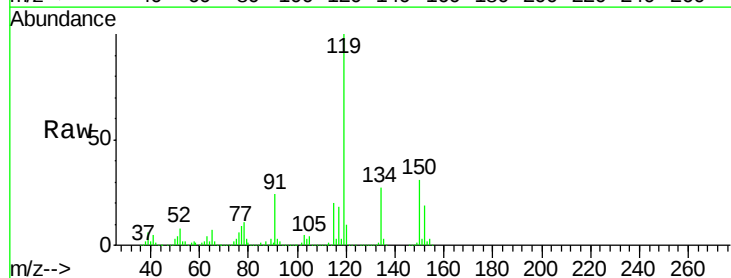
Tgt Ion:119 Resp: 511829

Ion Ratio Lower Upper

119 100

134 27.2 12.9 38.6

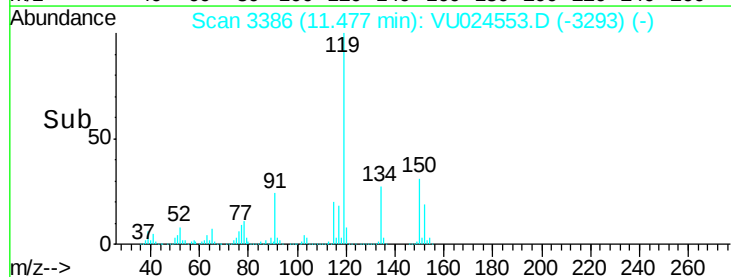
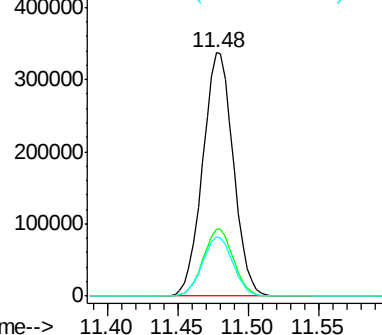
91 24.1 12.0 36.1

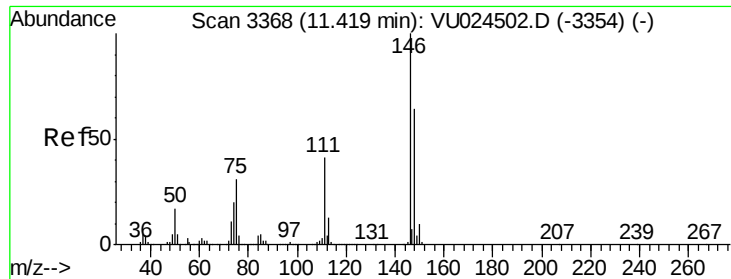


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

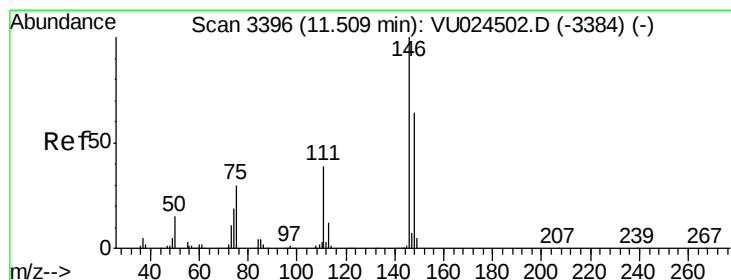
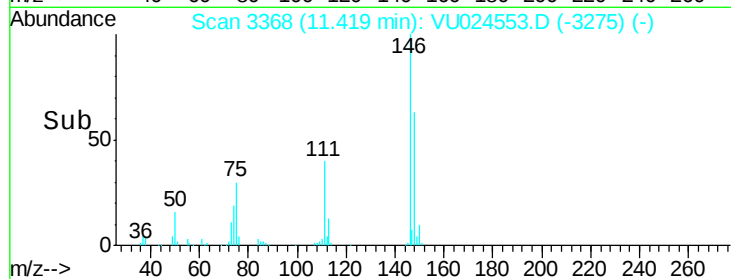
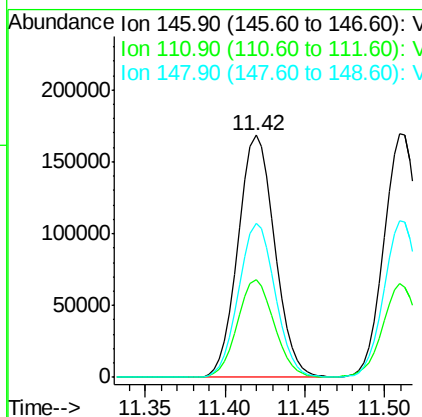
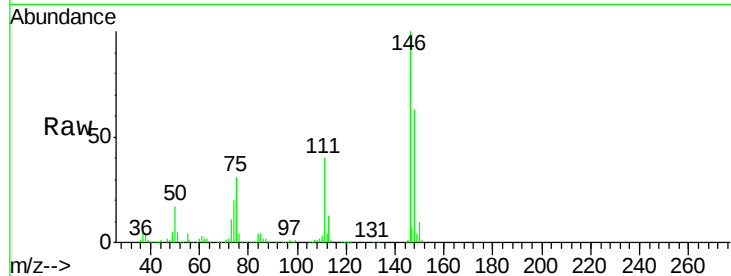




#87
 1,3-Dichlorobenzene
 Concen: 46.219 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

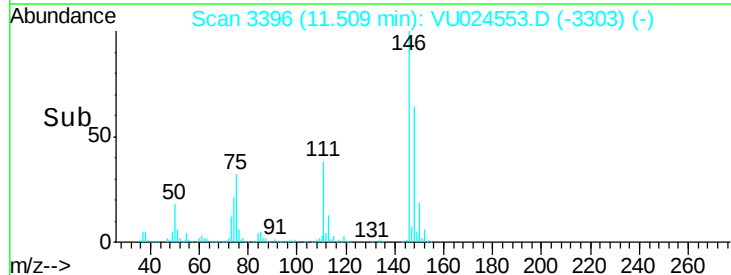
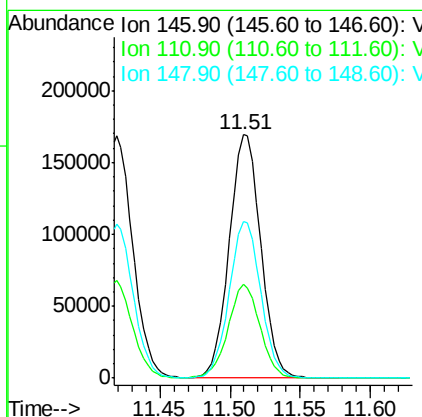
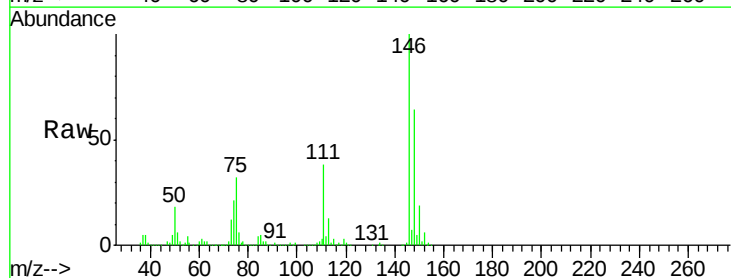
Instrument :
 MSVOA_U
 ClientSampleId :

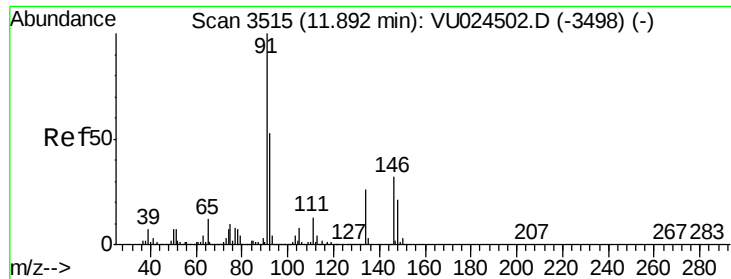
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 46.284 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.8	32.4	97.0





#89

n-Butylbenzene

Concen: 46.537 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

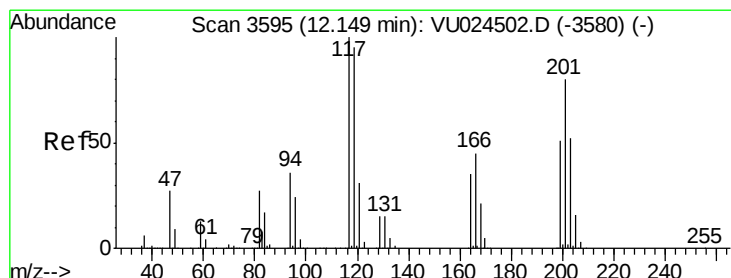
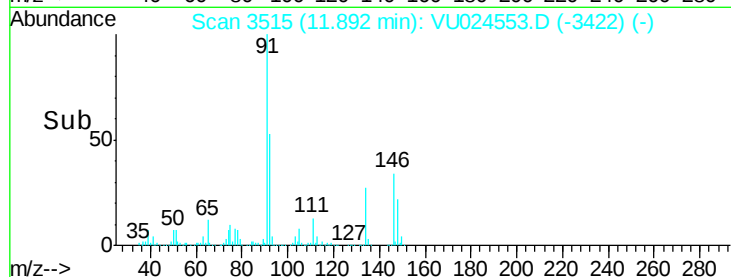
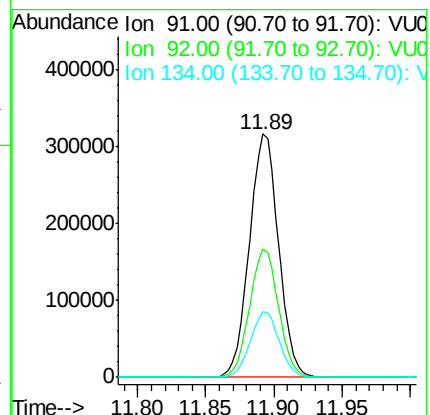
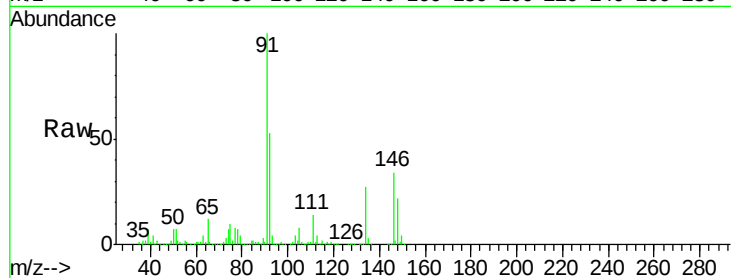
Tot Ion: 91 Resp: 470145

Ion Ratio Lower Upper

91 100

92 52.3 25.6 76.8

134 26.8 12.3 36.8



#90

Hexachloroethane

Concen: 44.186 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024553.D

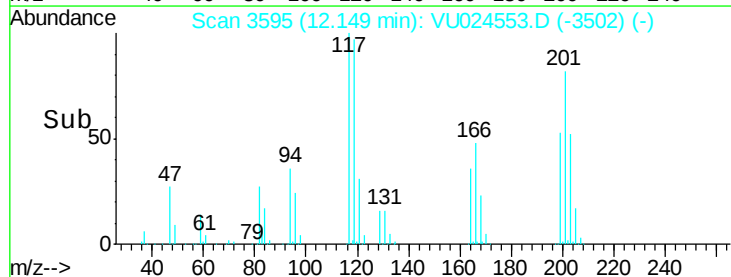
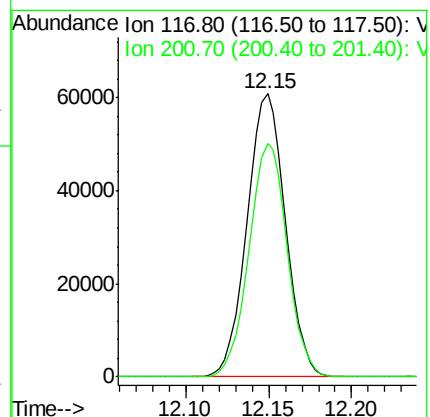
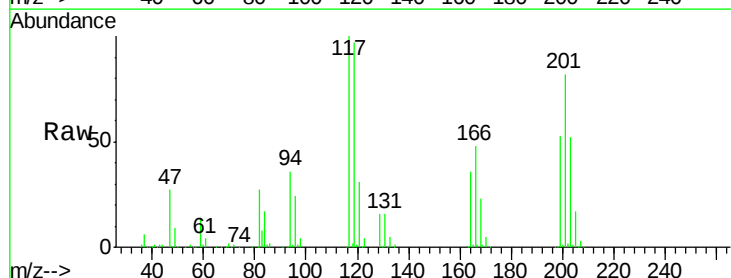
Acq: 14 Jun 2018 20:21

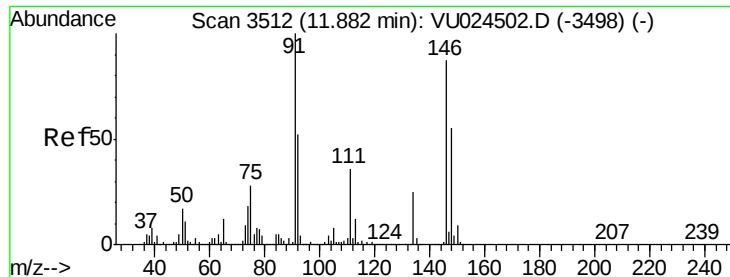
Tgt Ion: 117 Resp: 98085

Ion Ratio Lower Upper

117 100

201 81.9 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 46.026 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampled :

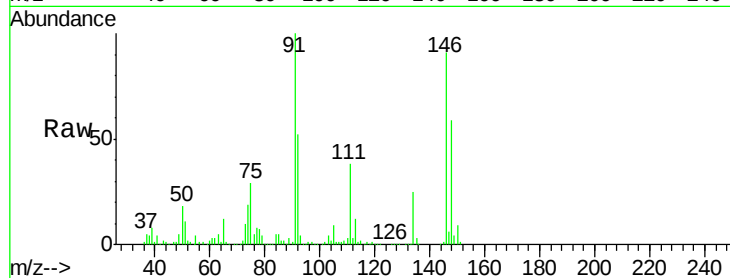
Tot Ion:146 Resp: 262506

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

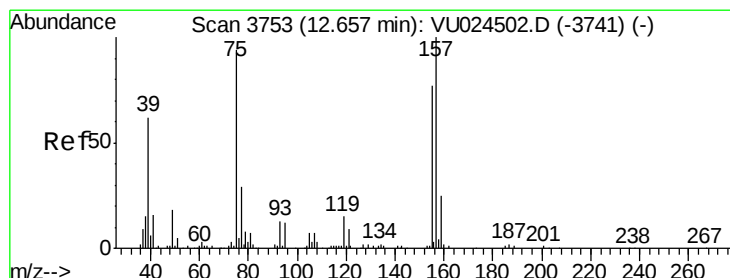
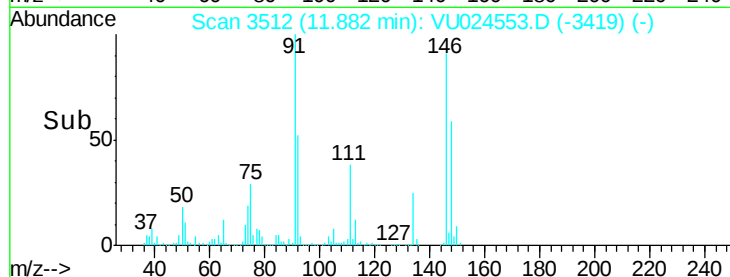
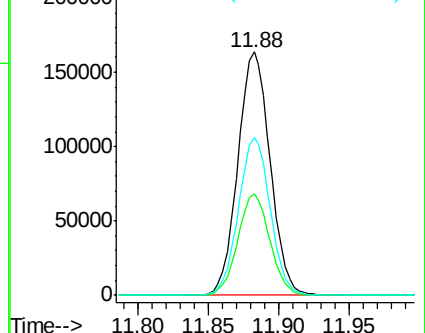
148 64.0 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.372 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

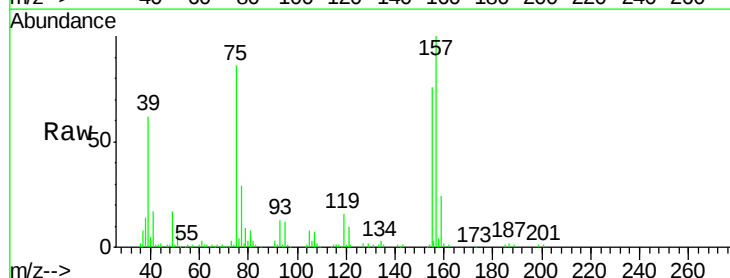
Tgt Ion: 75 Resp: 51075

Ion Ratio Lower Upper

75 100

155 88.7 40.4 121.2

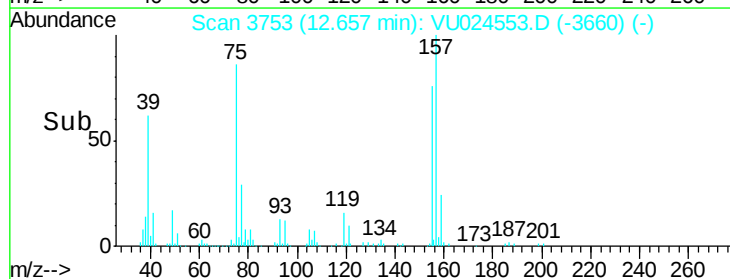
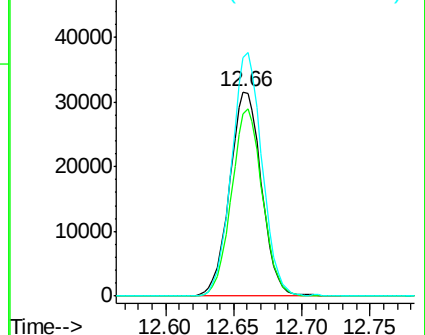
157 114.2 52.3 156.8

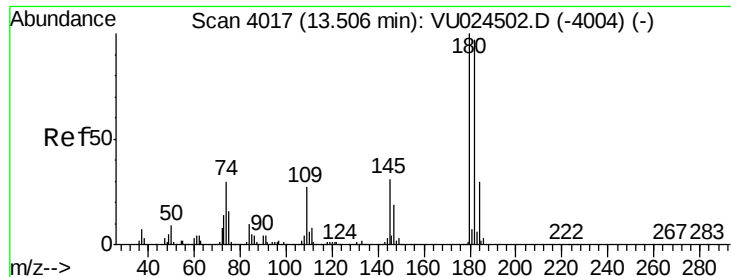


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

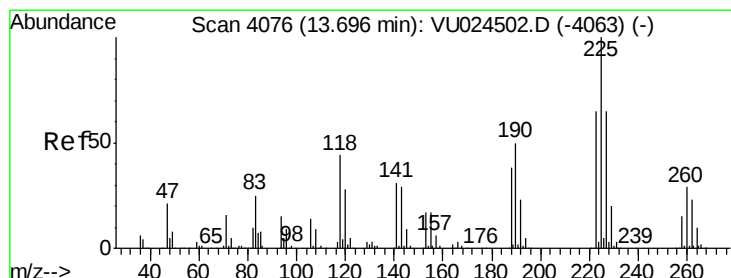
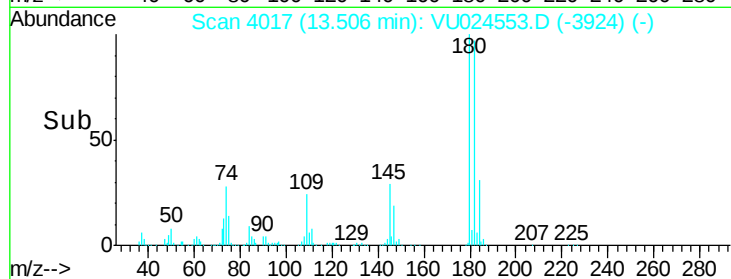
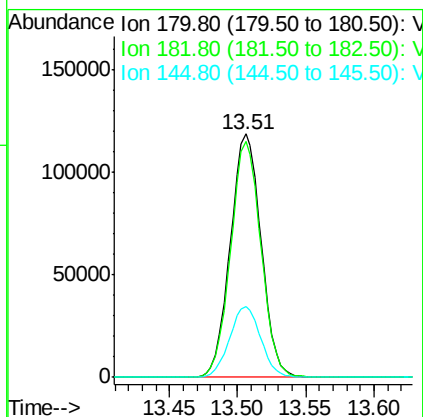
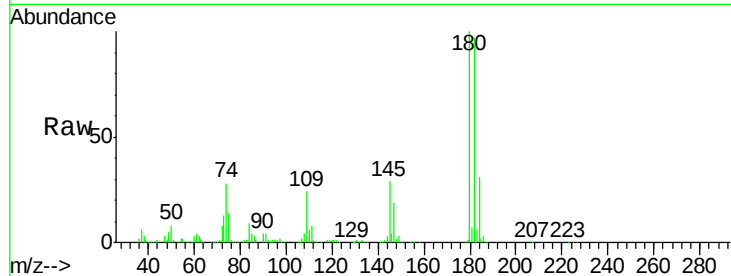




#93
 1,2,4-Trichlorobenzene
 Concen: 52.900 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

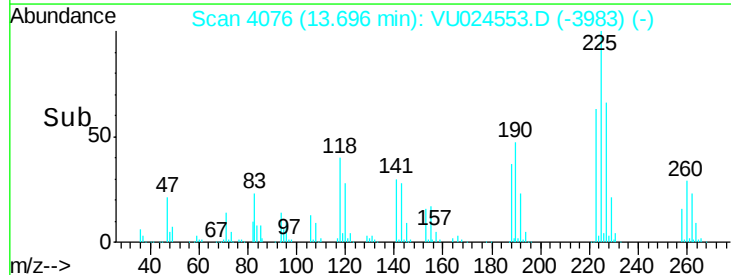
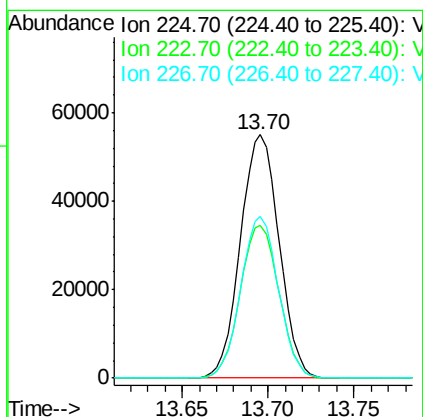
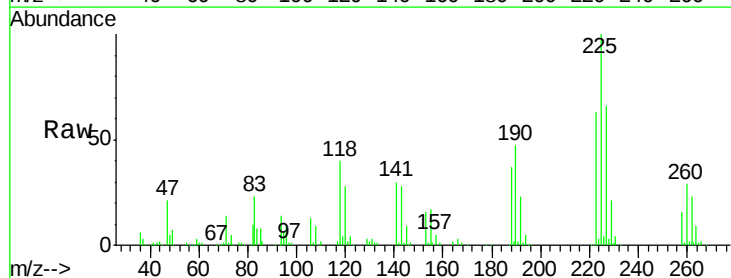
Instrument :
 MSVOA_U
 ClientSampled :

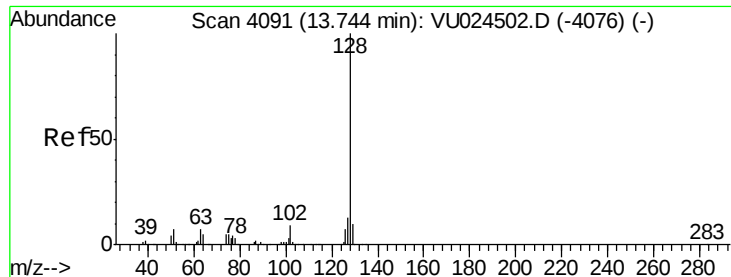
Tot Ion:180 Resp: 186314
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 29.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 43.461 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion:225 Resp: 86157
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.8
 227 64.4 31.8 95.4





#95

Naphthalene

Concen: 50.075 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

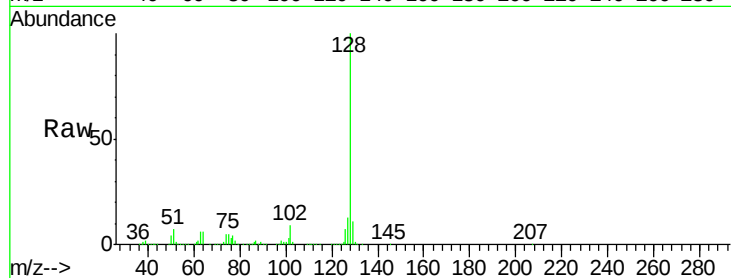
Tot Ion:128 Resp: 583868

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

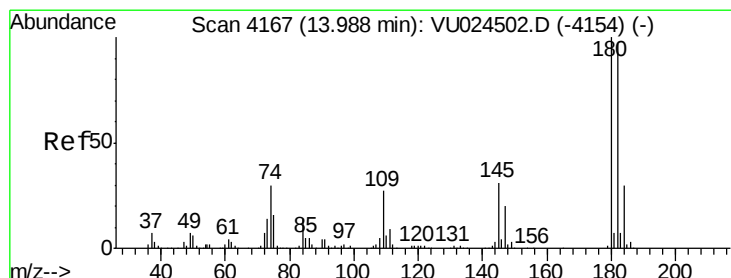
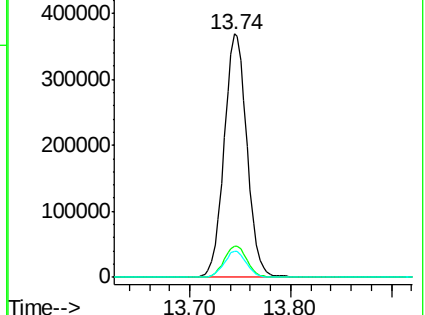
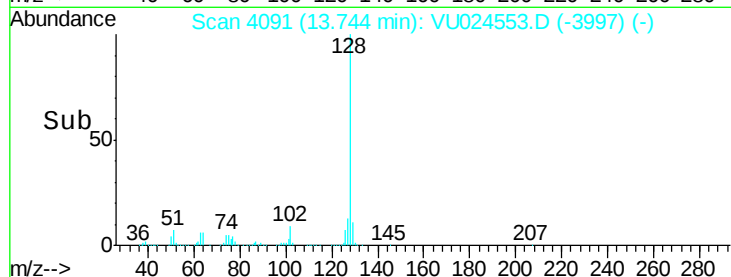
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.835 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

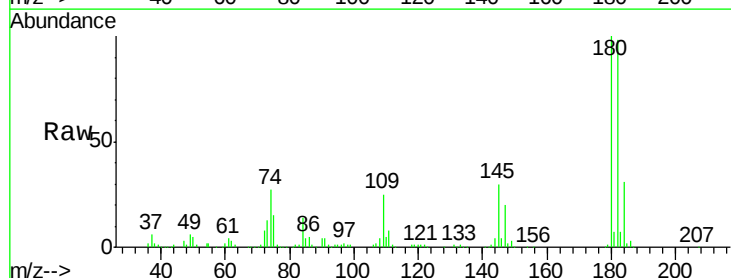
Tgt Ion:180 Resp: 188932

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.7

145 31.3 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

