

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025112.D
 Acq On : 01 Jul 2018 01:41
 Operator : MD/SY
 Sample : VU0630WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

Quant Time: Jul 02 05:45:28 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	166696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	256698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	135704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	122594	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
35) Dibromofluoromethane	4.89	113	99750	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	7.57	98	317313	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	
62) 4-Bromofluorobenzene	10.31	95	132630	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35511	17.019	ug/l	96
3) Chloromethane	1.33	50	40211	18.864	ug/l	99
4) Vinyl Chloride	1.40	62	41628	18.936	ug/l	98
5) Bromomethane	1.62	94	26334	24.780	ug/l	97
6) Chloroethane	1.70	64	26763	21.179	ug/l	99
7) Trichlorofluoromethane	1.89	101	67844	20.222	ug/l	99
8) Diethyl Ether	2.10	74	25413	21.173	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38538	18.516	ug/l	96
10) Methyl Iodide	2.41	142	37864	24.511	ug/l	96
11) Tert butyl alcohol	2.82	59	70399	106.366	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36335	19.143	ug/l	96
13) Acrolein	2.19	56	20749	59.699	ug/l	96
14) Allyl chloride	2.60	41	61329	17.402	ug/l	97
15) Acrylonitrile	2.94	53	131768	102.327	ug/l	98
16) Acetone	2.32	43	131096	89.658	ug/l	98
17) Carbon Disulfide	2.48	76	101102	16.635	ug/l	99
18) Methyl Acetate	2.62	43	82139	26.204	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	150829	21.140	ug/l	96
20) Methylene Chloride	2.70	84	45882	19.999	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	41369	19.789	ug/l	99
22) Diisopropyl ether	3.57	45	143192	20.496	ug/l	94
23) Vinyl Acetate	3.53	43	566365	90.499	ug/l	99
24) 1,1-Dichloroethane	3.45	63	81405	20.255	ug/l	99
25) 2-Butanone	4.26	43	193238	98.388	ug/l	95
26) 2,2-Dichloropropane	4.23	77	47045	12.328	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	49938	20.778	ug/l	95
28) Bromochloromethane	4.55	49	34256	19.351	ug/l	89
29) Tetrahydrofuran	4.64	42	124256	102.162	ug/l	97
30) Chloroform	4.68	83	83568	20.543	ug/l	98
31) Cyclohexane	5.00	56	72116	18.982	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	77597	20.628	ug/l	95
36) 1,1-Dichloropropene	5.14	75	58975	19.551	ug/l	97
37) Ethyl Acetate	4.38	43	66979	20.373	ug/l	95
38) Carbon Tetrachloride	5.14	117	64834	19.546	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	70093	18.621	ug/l	96
40) Benzene	5.39	78	176619	20.549	ug/l	97
41) Methacrylonitrile	4.55	41	39770	22.436	ug/l	98
42) 1,2-Dichloroethane	5.41	62	72646	22.192	ug/l	98
43) Isopropyl Acetate	5.55	43	111942	19.698	ug/l	100
44) Trichloroethene	6.19	130	49327	20.165	ug/l	96
45) 1,2-Dichloropropane	6.44	63	46488	20.271	ug/l	92
46) Dibromomethane	6.56	93	34217	21.241	ug/l	94
47) Bromodichloromethane	6.76	83	63592	19.824	ug/l	99
48) Methyl methacrylate	6.63	41	59616	21.544	ug/l	98
49) 1,4-Dioxane	6.62	88	28553	527.622	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	373352	104.573	ug/l	99
52) Toluene	7.64	92	109506	19.803	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	64340	17.861	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	66902	17.429	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	46941	20.883	ug/l	98
56) Ethyl methacrylate	8.02	69	74236	19.732	ug/l	99
57) 1,3-Dichloropropane	8.25	76	79445	20.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	132303	91.793	ug/l	96
59) 2-Hexanone	8.36	43	294209	100.937	ug/l	99
60) Dibromochloromethane	8.48	129	50567	18.040	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51413	20.550	ug/l	99
64) Tetrachloroethene	8.23	164	50455	22.196	ug/l	98
65) Chlorobenzene	9.12	112	126271	20.669	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	49168	21.183	ug/l	97
67) Ethyl Benzene	9.25	91	216409	20.206	ug/l	97
68) m/p-Xylenes	9.38	106	167722	40.782	ug/l	99
69) o-Xylene	9.78	106	84740	20.820	ug/l	96
70) Styrene	9.80	104	130137	19.456	ug/l	98
71) Bromoform	9.96	173	38729	17.555	ug/l #	100
73) Isopropylbenzene	10.17	105	224261	21.525	ug/l	99
74) N-amyl acetate	10.01	43	92901	18.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76148	21.810	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	87063	29.140	ug/l	84
77) Bromobenzene	10.46	156	56647	21.476	ug/l	95
78) n-propylbenzene	10.59	91	246773	20.107	ug/l	98
79) 2-Chlorotoluene	10.66	91	154411	21.334	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	188938	20.922	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	87063	67.443	ug/l #	100
82) 4-Chlorotoluene	10.78	91	169752	20.151	ug/l	99
83) tert-Butylbenzene	11.10	119	188396	21.688	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	192975	20.969	ug/l	97
85) sec-Butylbenzene	11.33	105	223567	20.561	ug/l	99
86) p-Isopropyltoluene	11.48	119	192920	19.810	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	101590	20.847	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	101256	20.644	ug/l	98
89) n-Butylbenzene	11.89	91	145983	16.885	ug/l	97
90) Hexachloroethane	12.15	117	33482	17.625	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	105179	21.549	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19990	20.750	ug/l	98

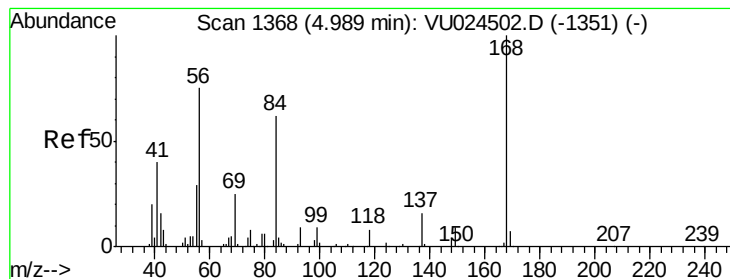
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	61054	20.256	ug/l	99
94) Hexachlorobutadiene	13.70	225	33646	19.832	ug/l	99
95) Naphthalene	13.75	128	210212	21.460	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	65803	21.909	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

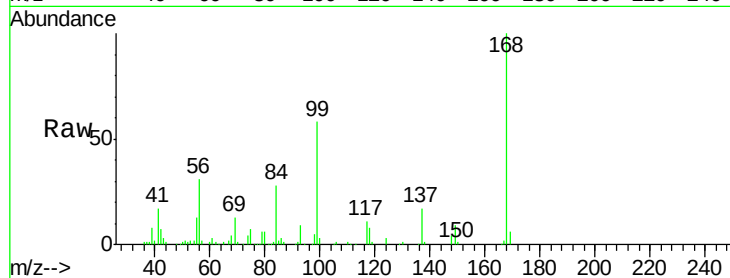
VU0630WBSD02

Tgt Ion:168 Resp: 166696

Ion Ratio Lower Upper

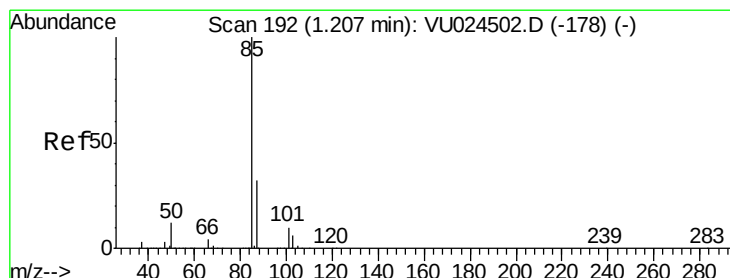
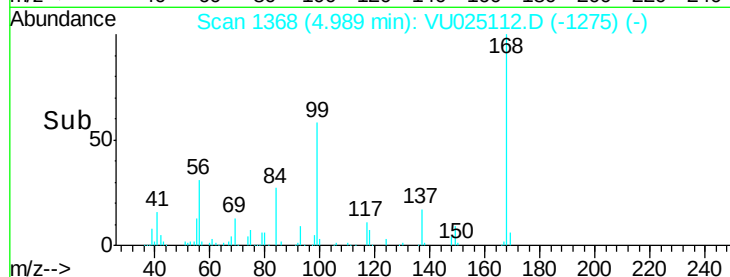
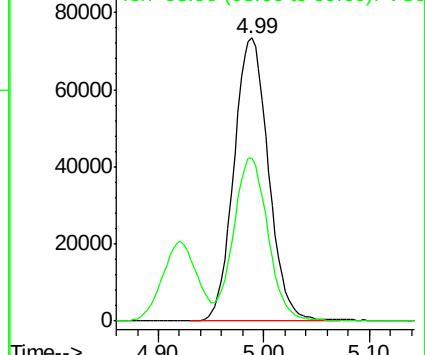
168 100

99 57.3 43.2 64.8



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

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



#2

Dichlorodifluoromethane

Concen: 17.019 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025112.D

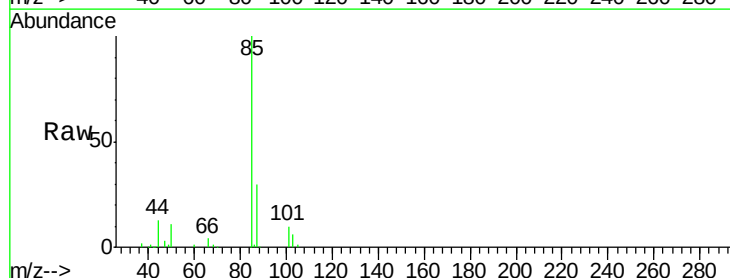
Acq: 01 Jul 2018 01:41

Tgt Ion: 85 Resp: 35511

Ion Ratio Lower Upper

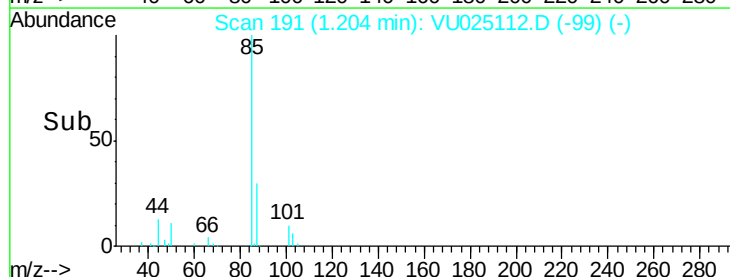
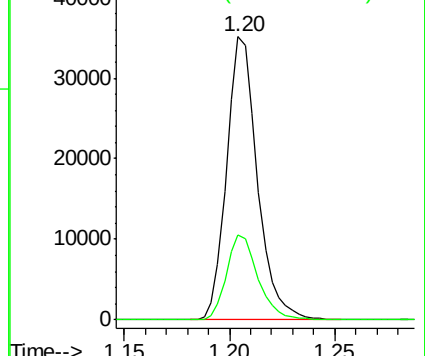
85 100

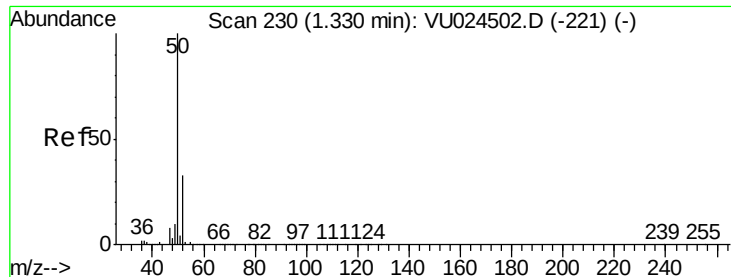
87 30.1 16.1 48.2



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

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

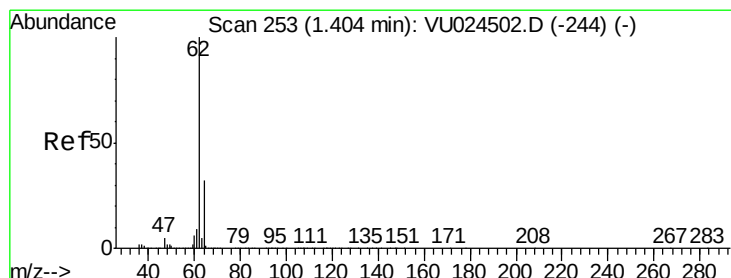
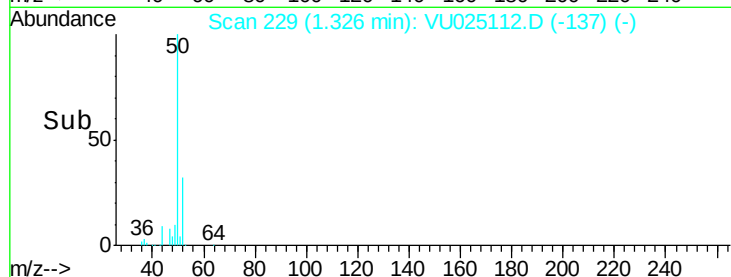
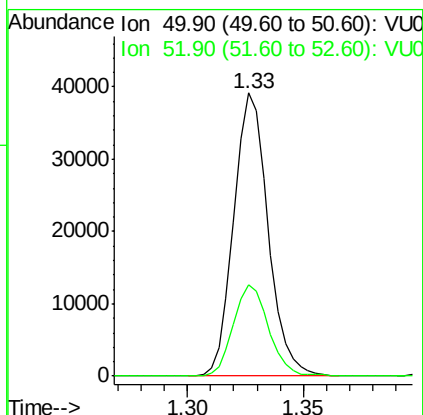
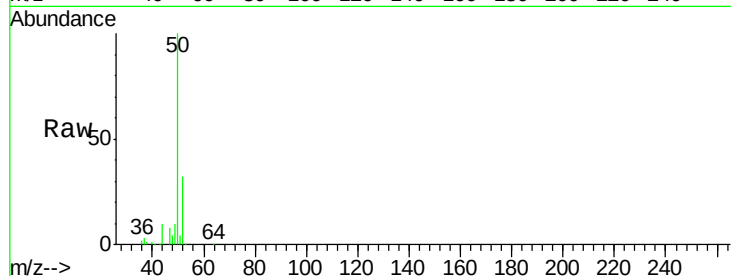




#3
Chloromethane
Concen: 18.864 ug/l
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

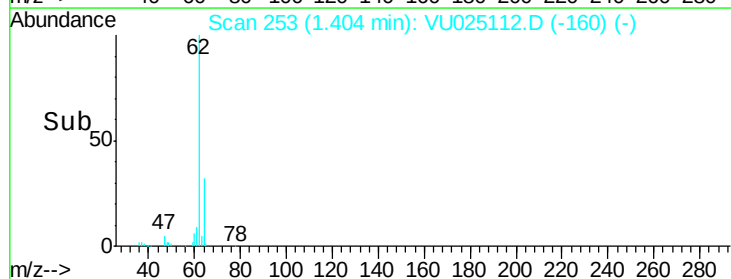
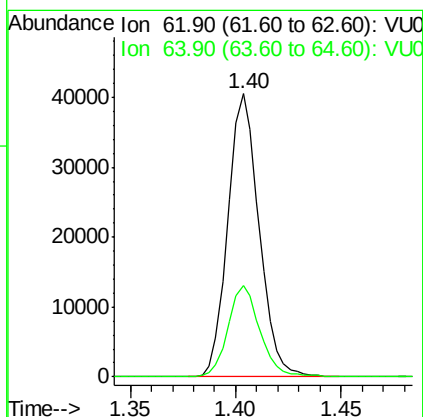
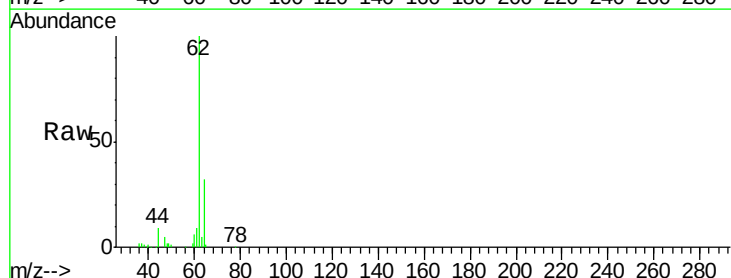
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

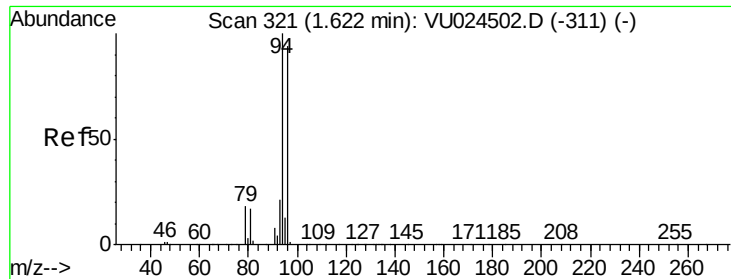
Tgt Ion: 50 Resp: 40211
Ion Ratio Lower Upper
50 100
52 32.3 26.4 39.6



#4
Vinyl Chloride
Concen: 18.936 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 62 Resp: 41628
Ion Ratio Lower Upper
62 100
64 32.4 24.8 37.2





#5

Bromomethane

Concen: 24.780 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

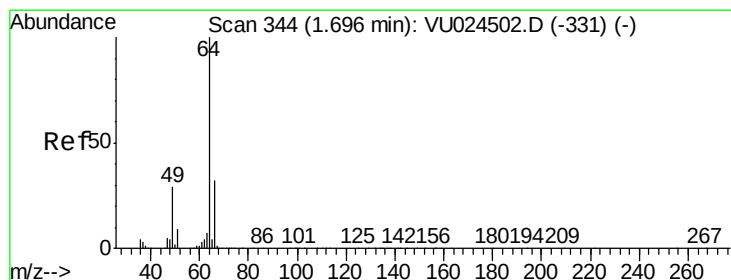
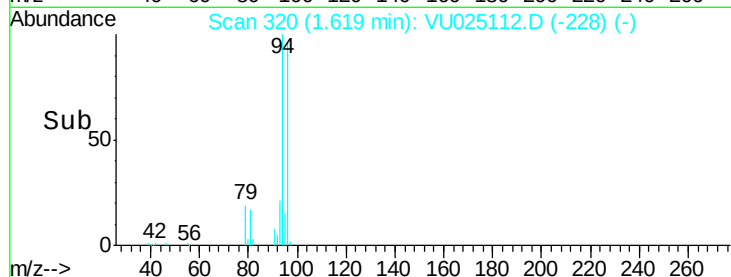
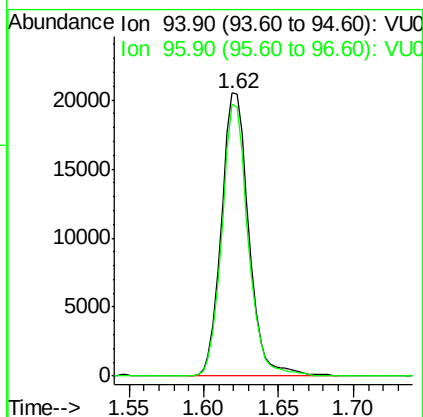
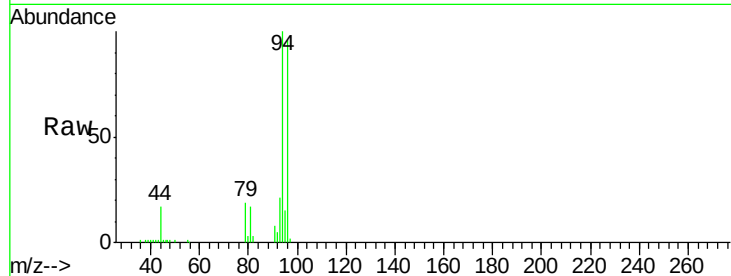
VU0630WBSD02

Tgt Ion: 94 Resp: 26334

Ion Ratio Lower Upper

94 100

96 95.9 74.5 111.7



#6

Chloroethane

Concen: 21.179 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025112.D

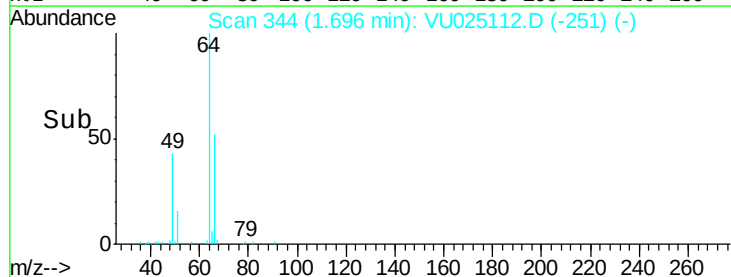
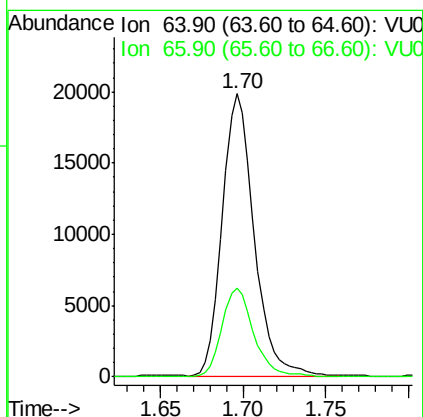
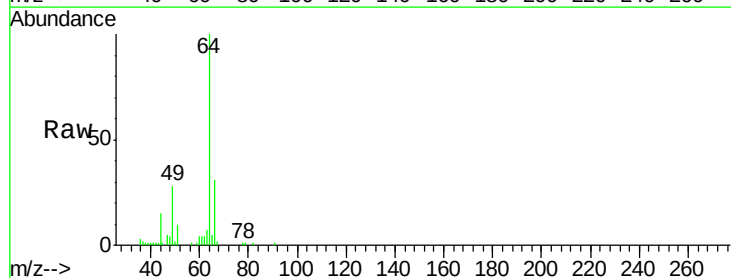
Acq: 01 Jul 2018 01:41

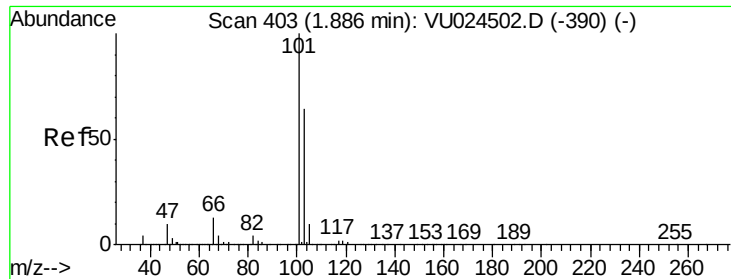
Tgt Ion: 64 Resp: 26763

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



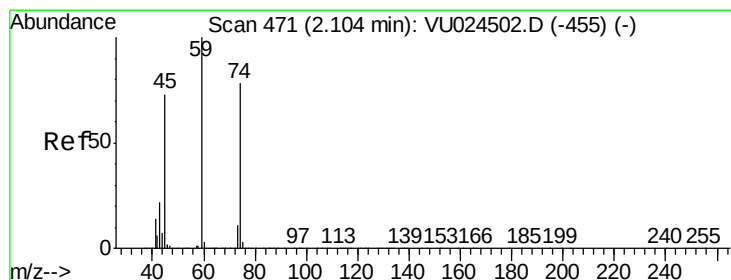
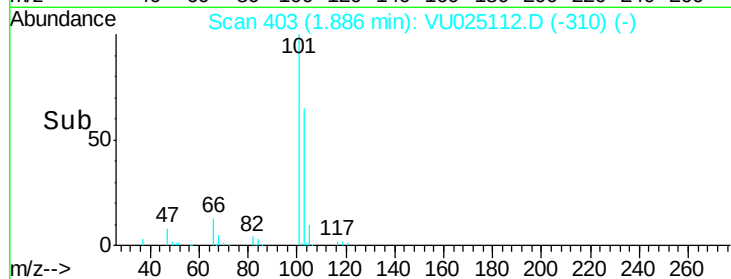
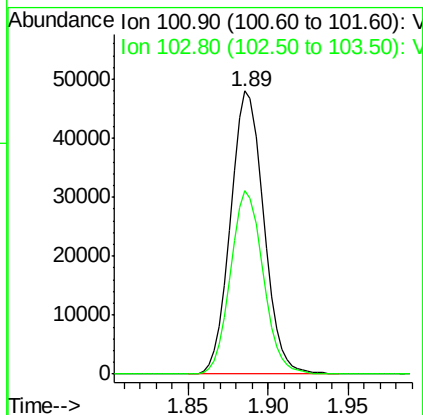
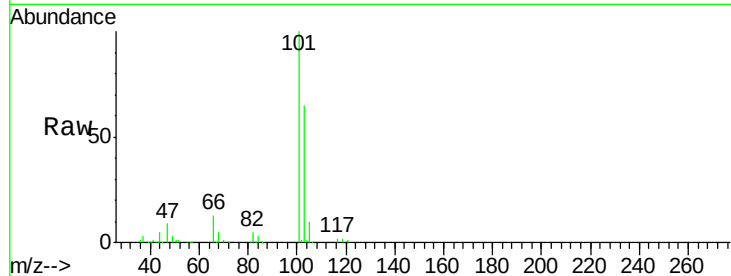


#7

Trichlorofluoromethane
 Concen: 20.222 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

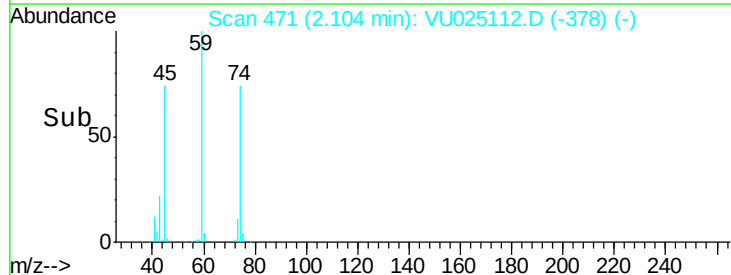
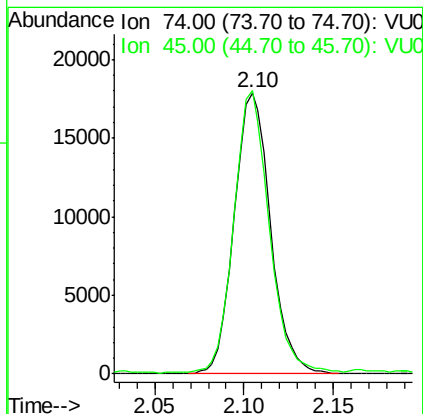
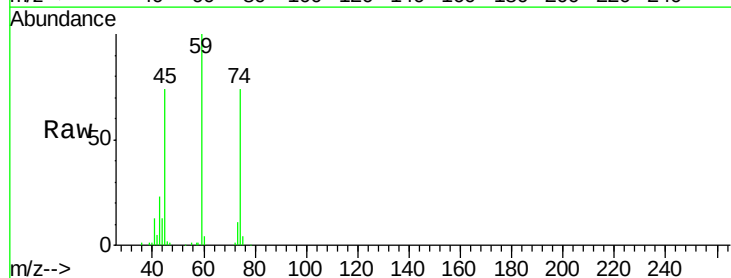
Tgt Ion:101 Resp: 67844
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5

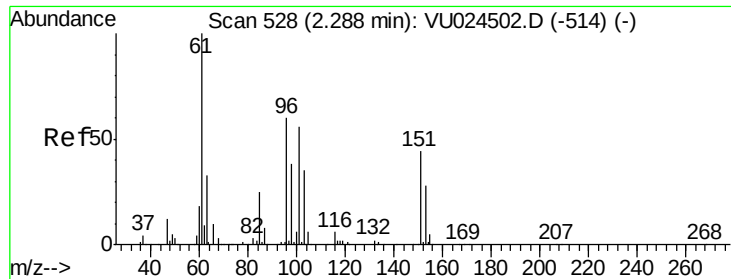


#8

Diethyl Ether
 Concen: 21.173 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 74 Resp: 25413
 Ion Ratio Lower Upper
 74 100
 45 99.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.516 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

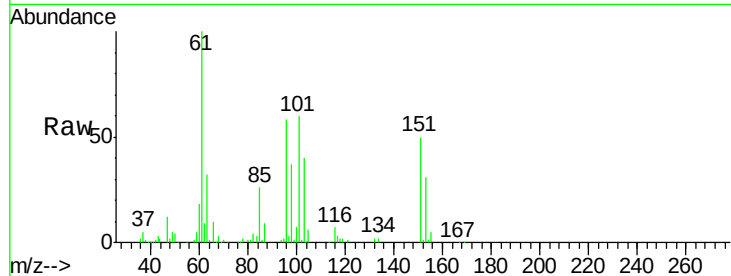
Tgt Ion:101 Resp: 38538

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

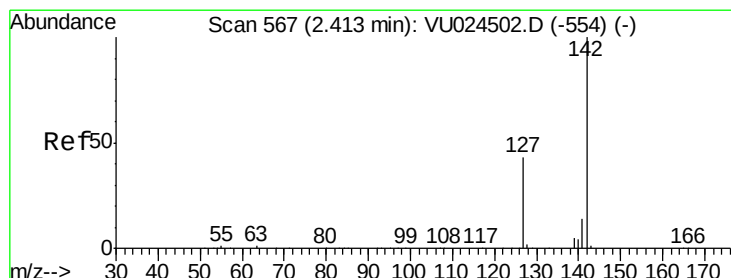
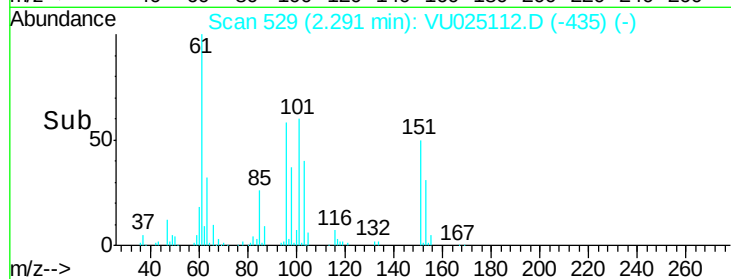
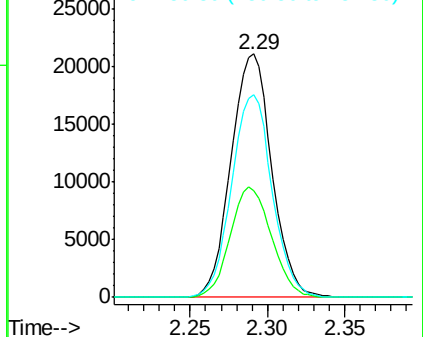
151 82.9 62.3 93.5



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: 24.511 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

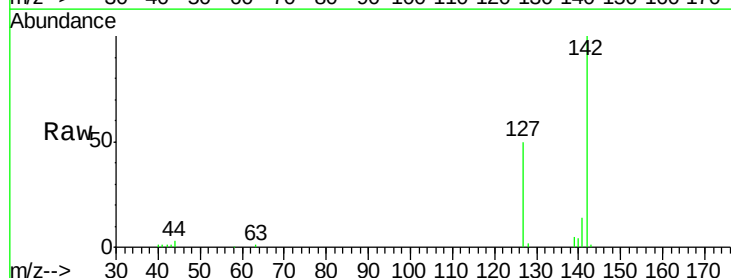
Tgt Ion:142 Resp: 37864

Ion Ratio Lower Upper

142 100

127 48.1 35.6 53.4

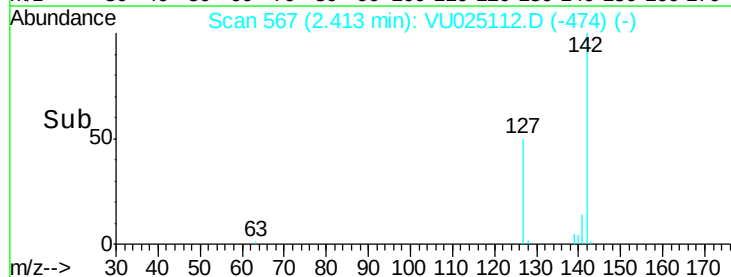
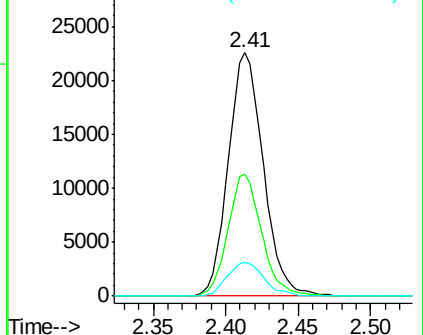
141 14.4 11.7 17.5

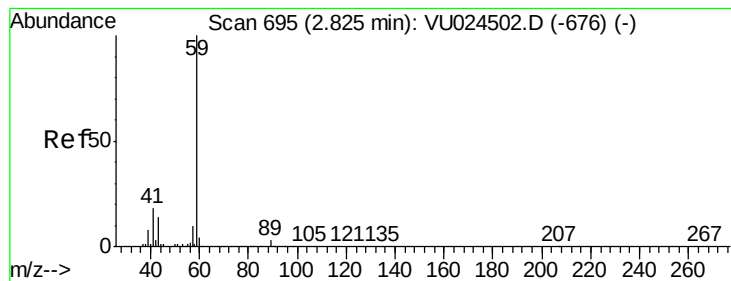


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



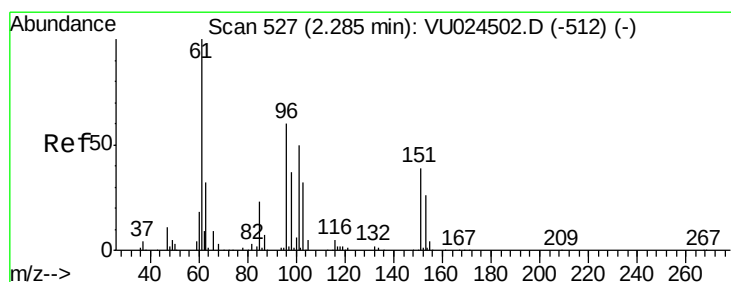
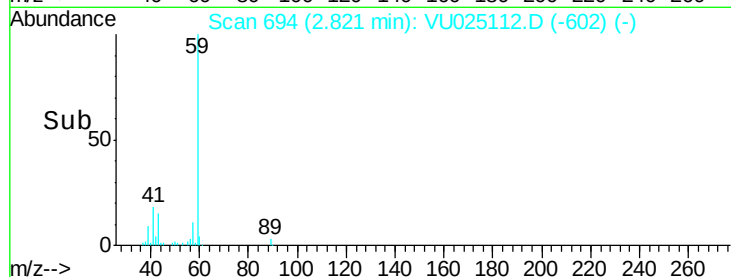
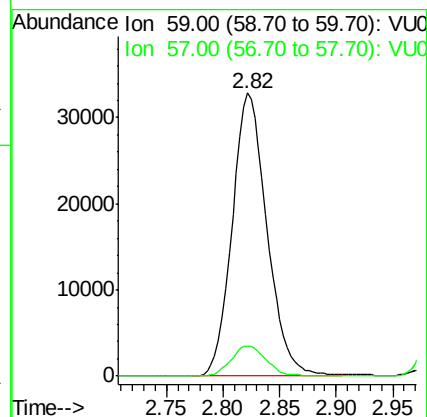
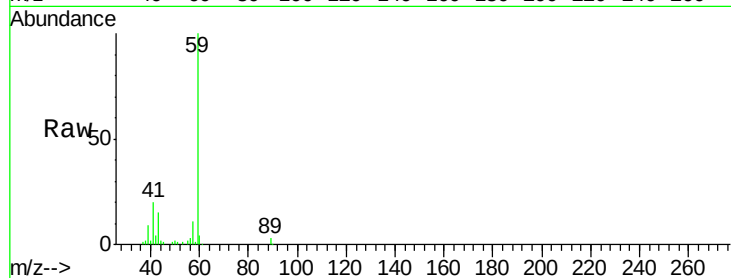


#11

Tert butyl alcohol
 Concen: 106.366 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

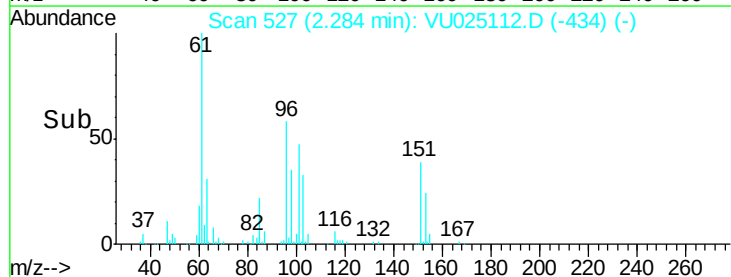
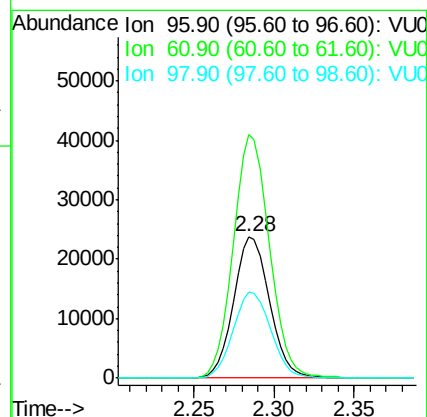
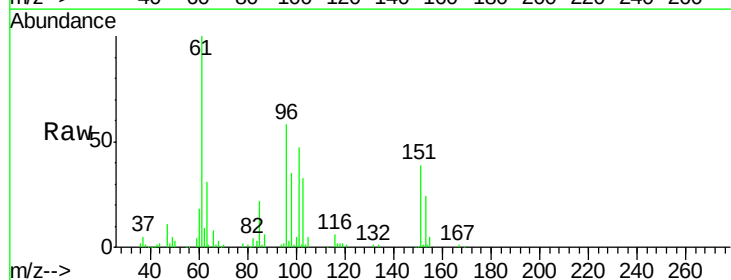
Tgt Ion: 59 Resp: 70399
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

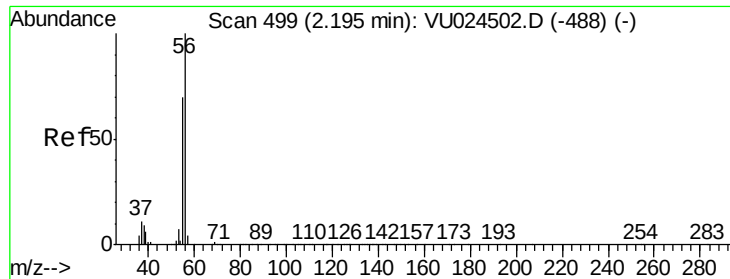


#12

1,1-Dichloroethene
 Concen: 19.143 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 96 Resp: 36335
 Ion Ratio Lower Upper
 96 100
 61 172.4 141.7 212.5
 98 60.9 51.6 77.4





#13

Acrolein

Concen: 59.699 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

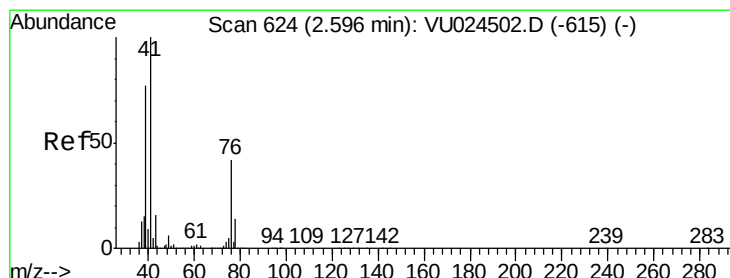
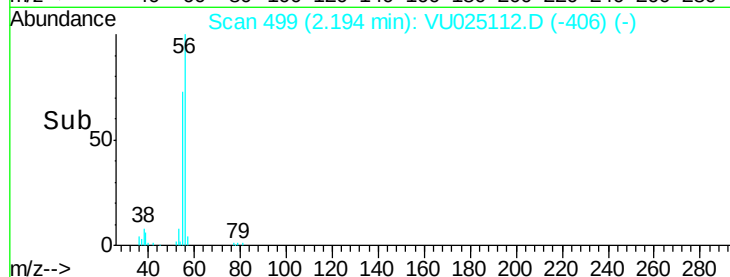
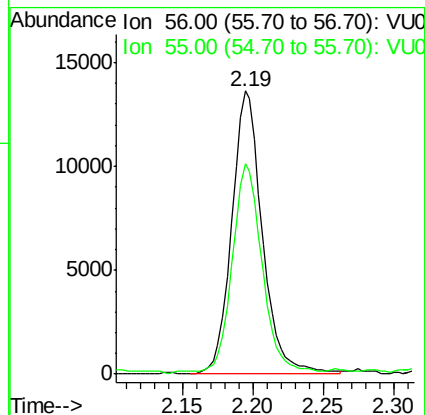
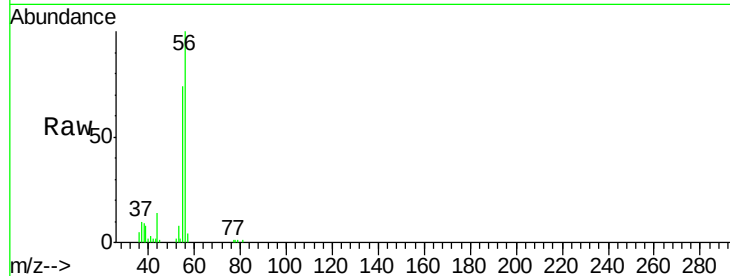
VU0630WBSD02

Tgt Ion: 56 Resp: 20749

Ion Ratio Lower Upper

56 100

55 69.7 58.4 87.6



#14

Allyl chloride

Concen: 17.402 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

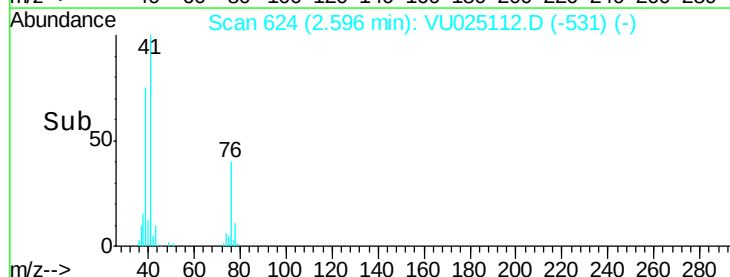
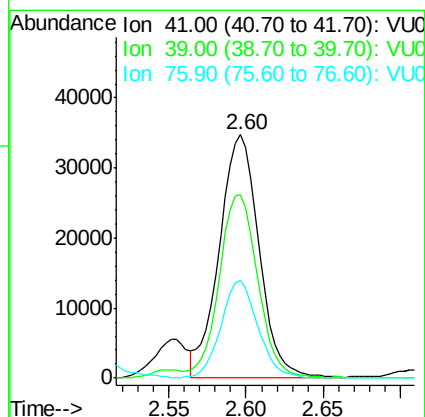
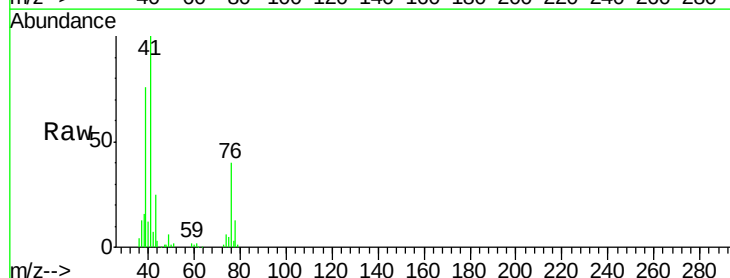
Tgt Ion: 41 Resp: 61329

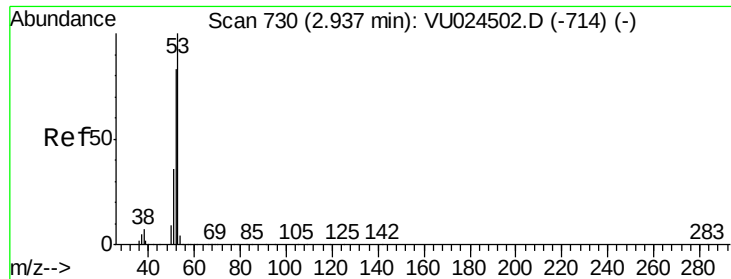
Ion Ratio Lower Upper

41 100

39 73.4 61.6 92.4

76 37.6 29.7 44.5

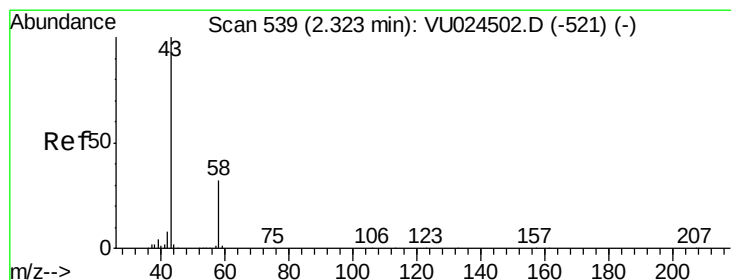
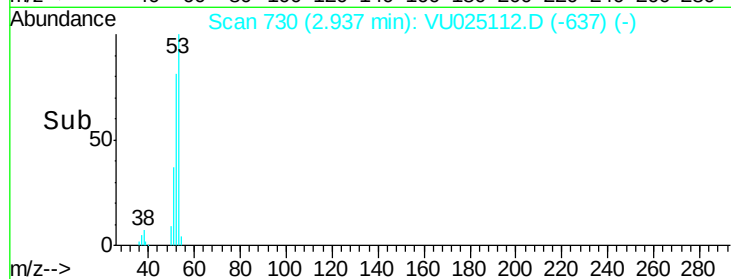
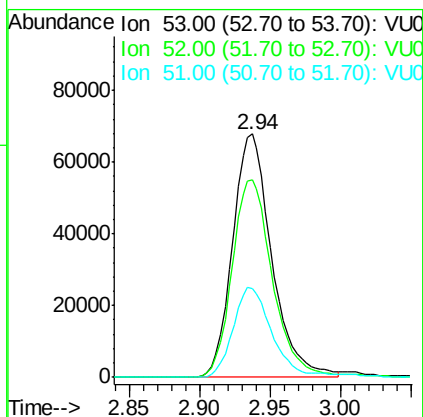
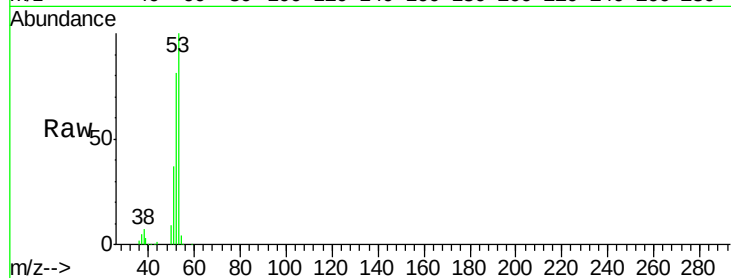




#15
 Acrylonitrile
 Concen: 102.327 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

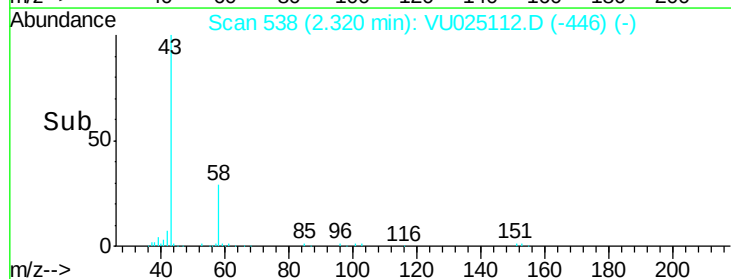
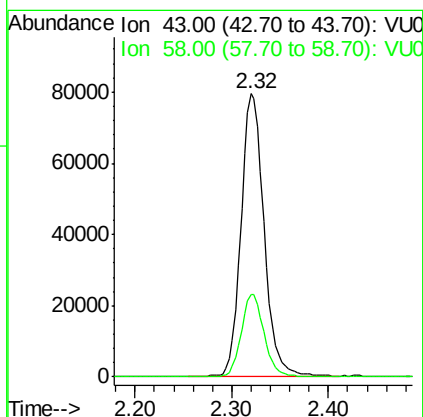
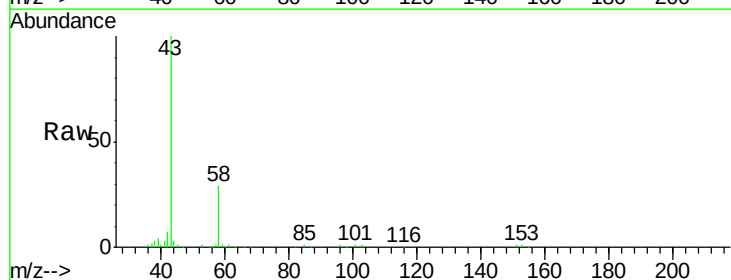
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

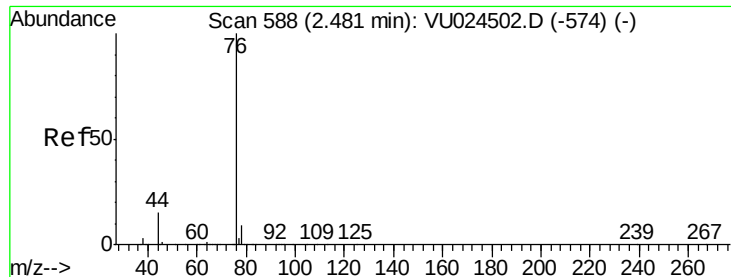
Tgt Ion: 53 Resp: 131768
 Ion Ratio Lower Upper
 53 100
 52 83.2 67.1 100.7
 51 37.6 28.4 42.6



#16
 Acetone
 Concen: 89.658 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 43 Resp: 131096
 Ion Ratio Lower Upper
 43 100
 58 29.3 24.4 36.6

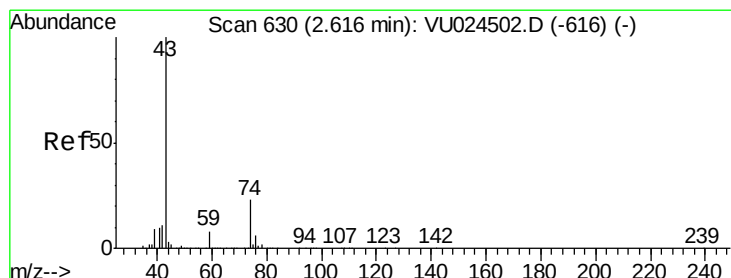
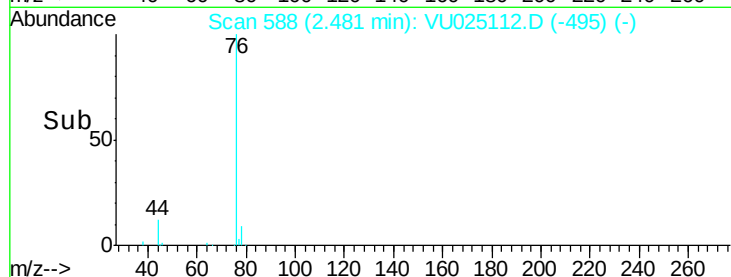
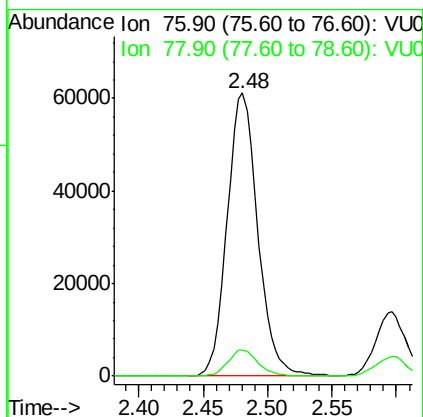
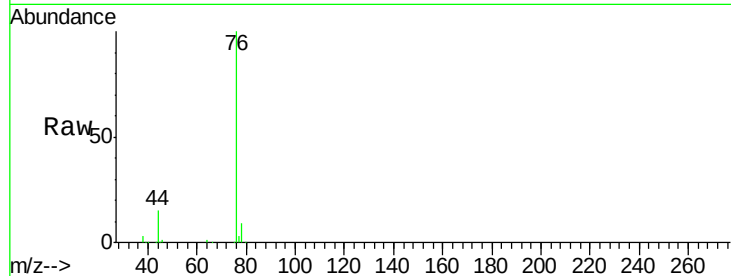




#17
Carbon Disulfide
Concen: 16.635 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

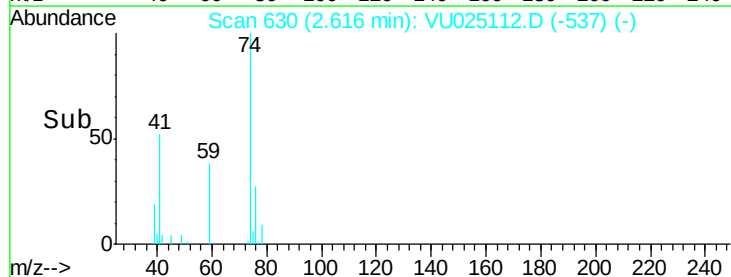
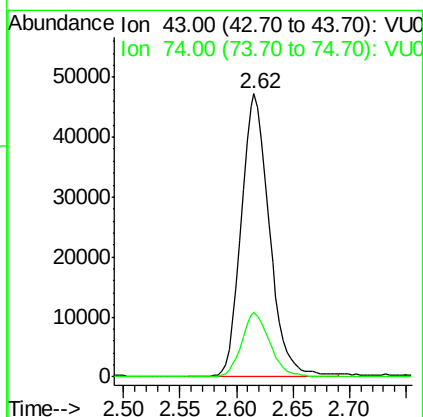
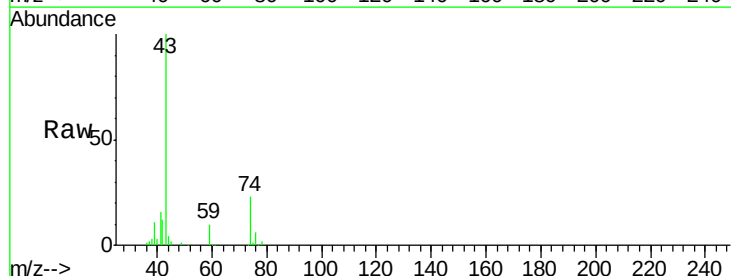
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

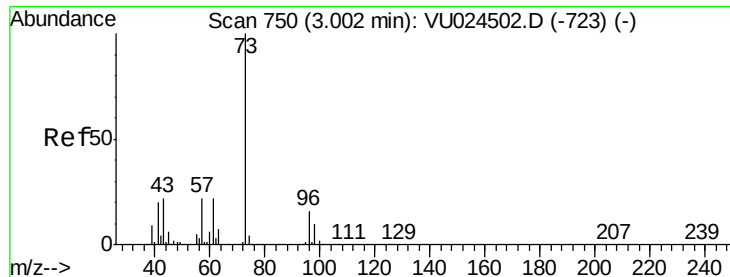
Tgt Ion: 76 Resp: 101102
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 26.204 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 43 Resp: 82139
Ion Ratio Lower Upper
43 100
74 22.7 18.0 27.0

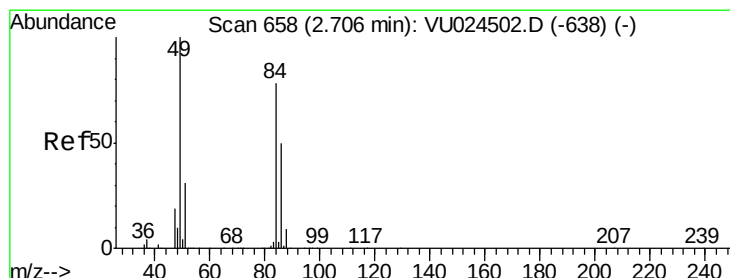
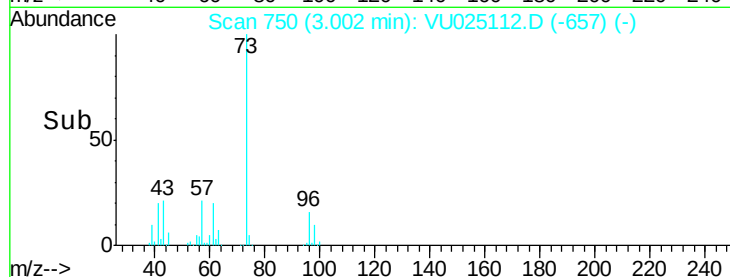
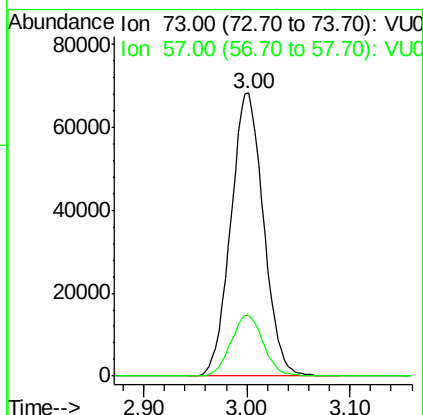
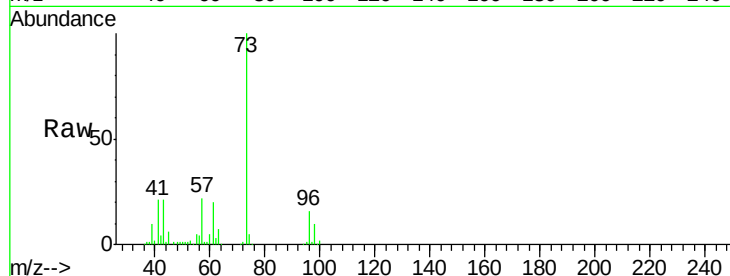




#19
Methyl tert-butyl Ether
Concen: 21.140 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

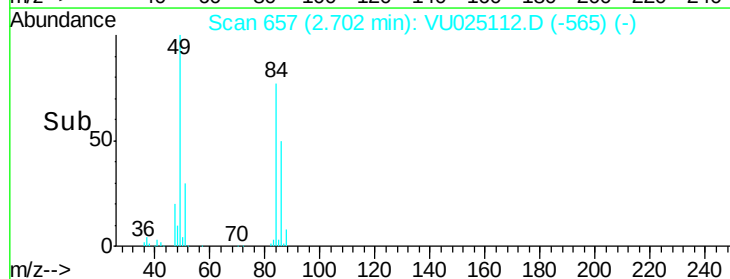
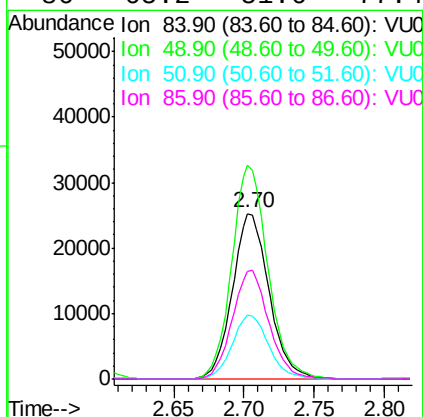
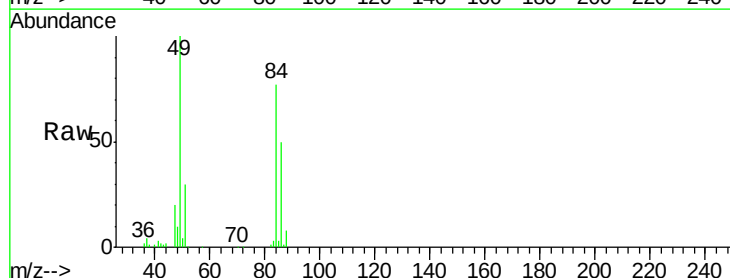
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

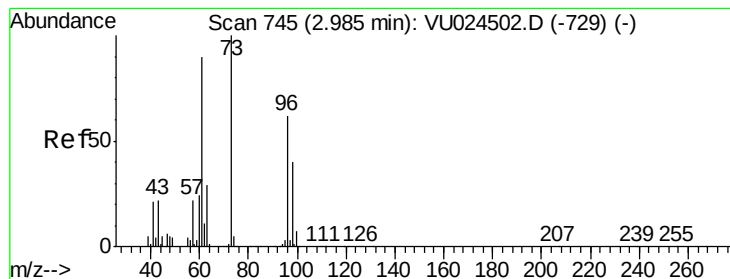
Tgt Ion: 73 Resp: 150829
Ion Ratio Lower Upper
73 100
57 21.6 18.8 28.2



#20
Methylene Chloride
Concen: 19.999 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 84 Resp: 45882
Ion Ratio Lower Upper
84 100
49 129.1 103.8 155.8
51 38.6 32.0 48.0
86 65.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.789 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

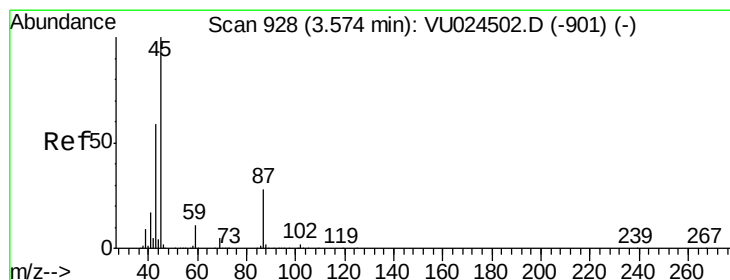
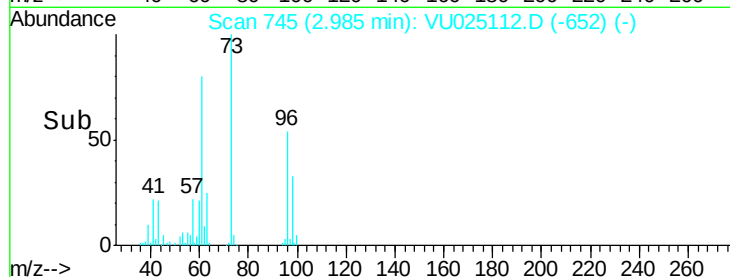
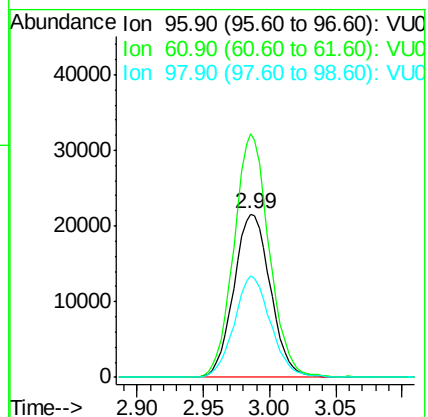
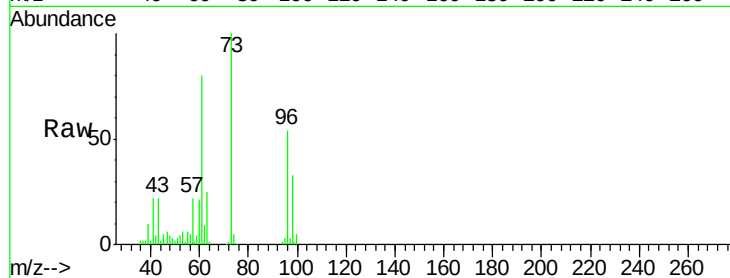
Tgt Ion: 96 Resp: 41369

Ion Ratio Lower Upper

96 100

61 148.9 119.4 179.0

98 61.8 51.1 76.7



#22

Diisopropyl ether

Concen: 20.496 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Tgt Ion: 45 Resp: 143192

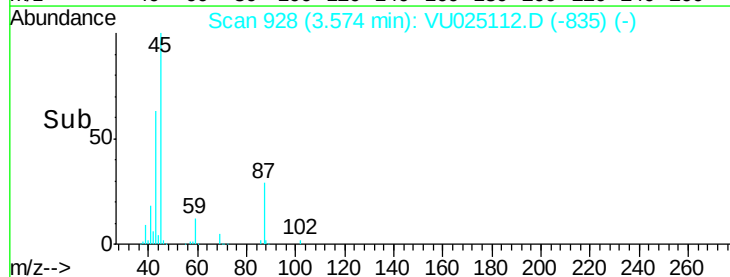
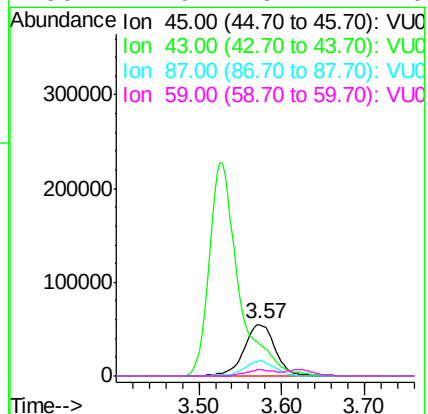
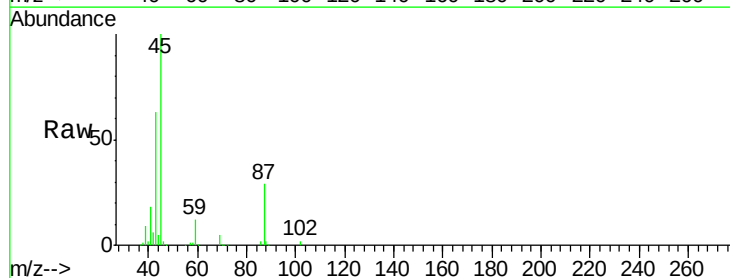
Ion Ratio Lower Upper

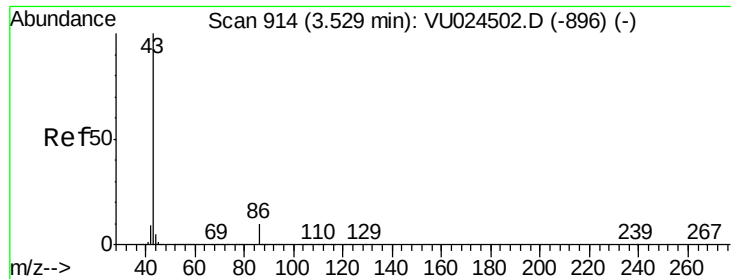
45 100

43 62.2 45.8 68.6

87 29.4 20.6 31.0

59 11.6 9.4 14.0





#23

Vinyl Acetate

Concen: 90.499 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

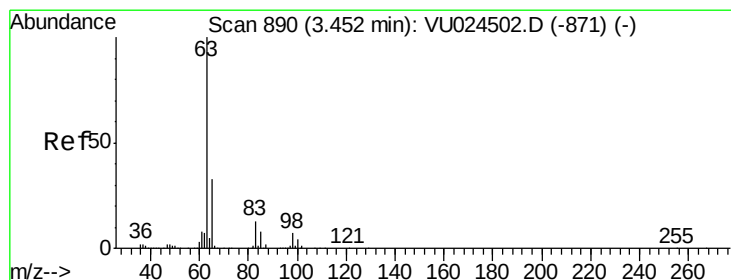
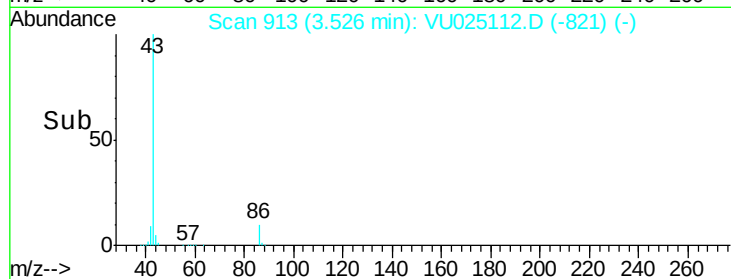
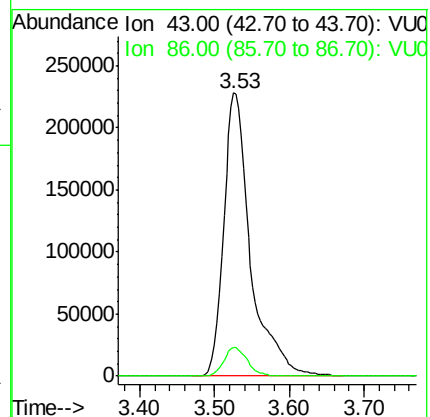
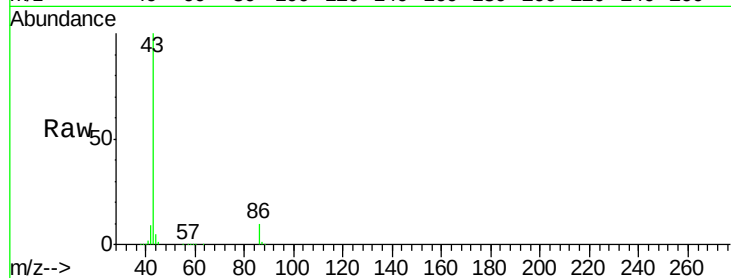
VU0630WBSD02

Tgt Ion: 43 Resp: 566365

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



#24

1,1-Dichloroethane

Concen: 20.255 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

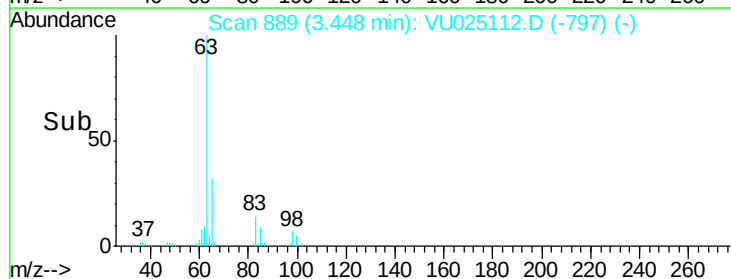
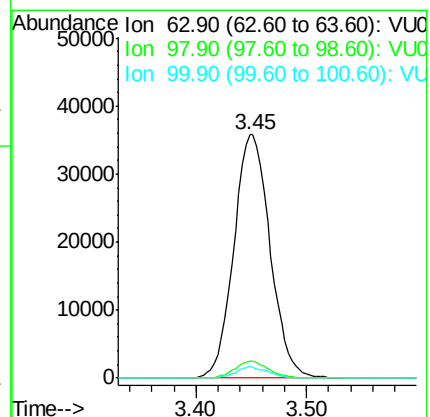
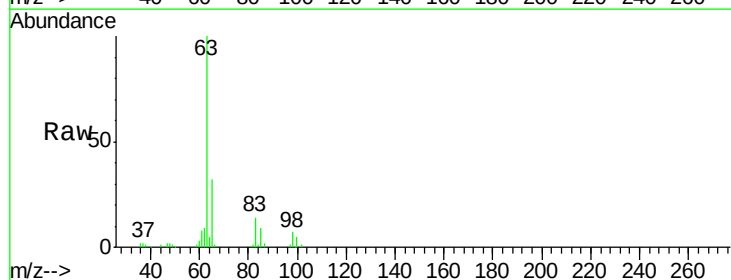
Tgt Ion: 63 Resp: 81405

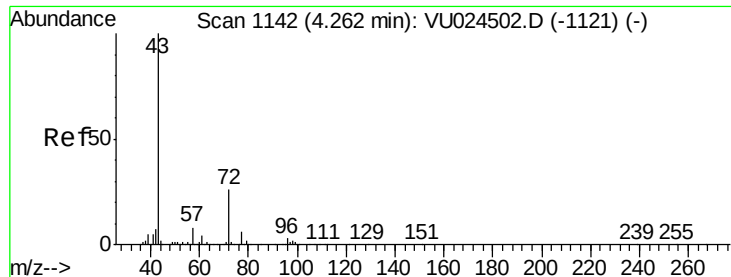
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.7 1.8 5.5

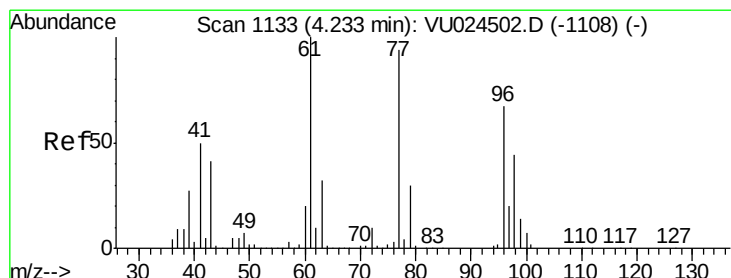
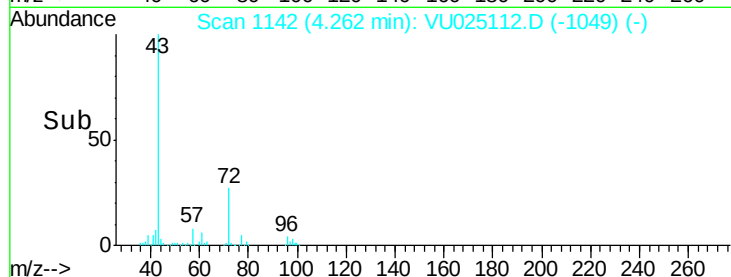
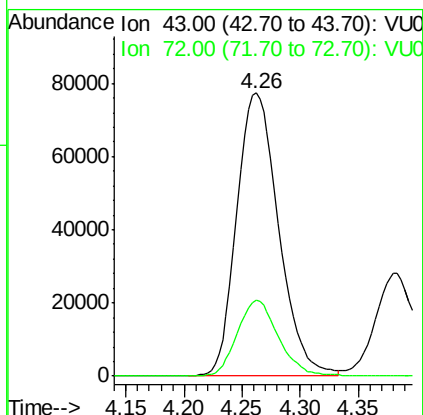
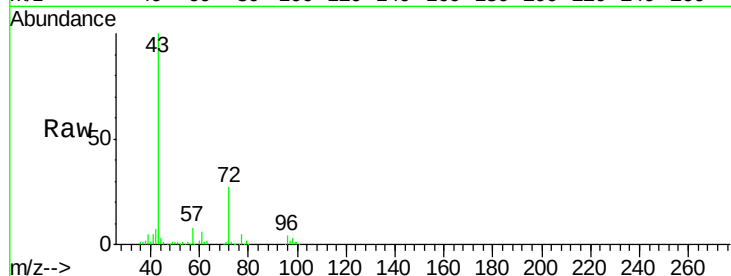




#25
 2-Butanone
 Concen: 98.388 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

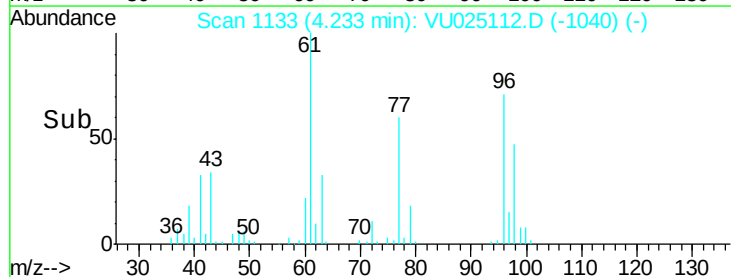
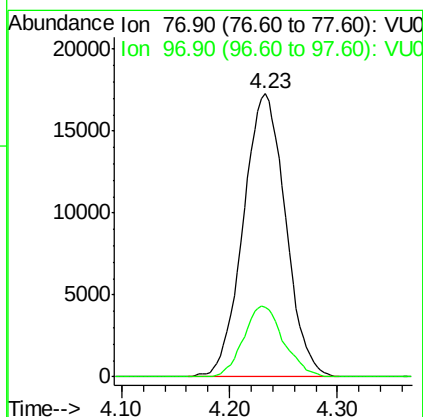
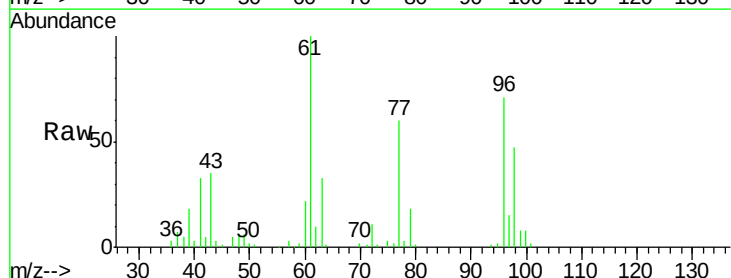
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

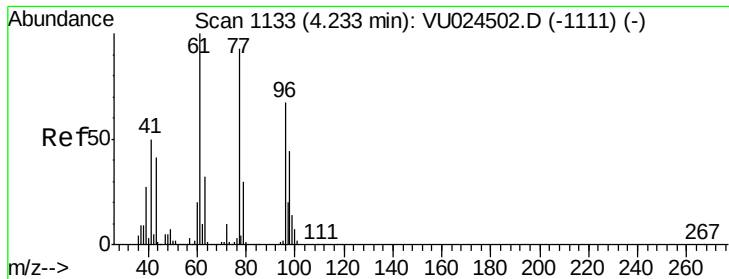
Tgt Ion: 43 Resp: 193238
 Ion Ratio Lower Upper
 43 100
 72 26.8 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 12.328 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 77 Resp: 47045
 Ion Ratio Lower Upper
 77 100
 97 23.7 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.778 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

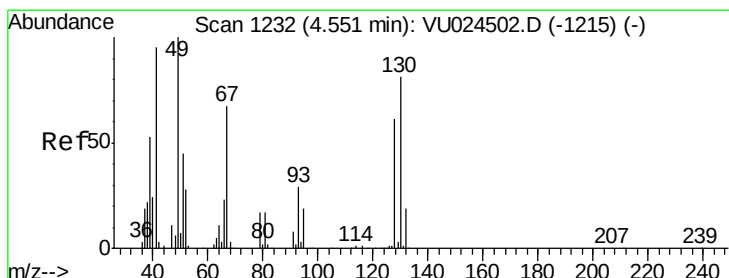
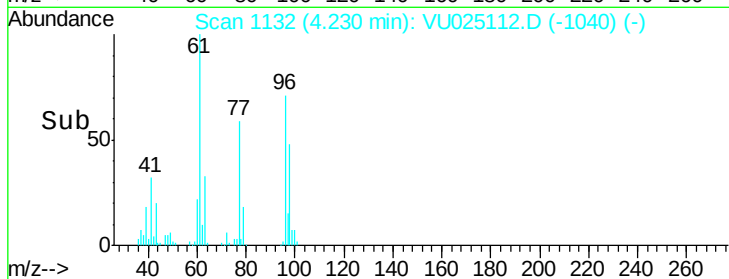
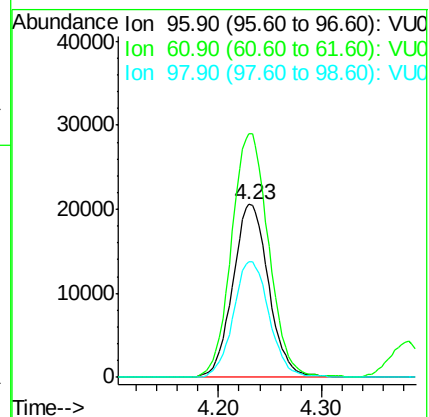
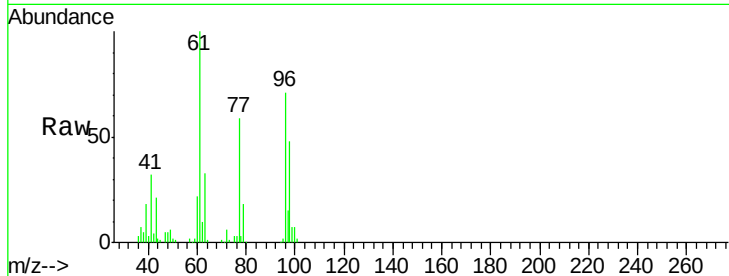
Tgt Ion: 96 Resp: 49938

Ion Ratio Lower Upper

96 100

61 145.5 0.0 306.6

98 66.7 0.0 128.8



#28

Bromochloromethane

Concen: 19.351 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

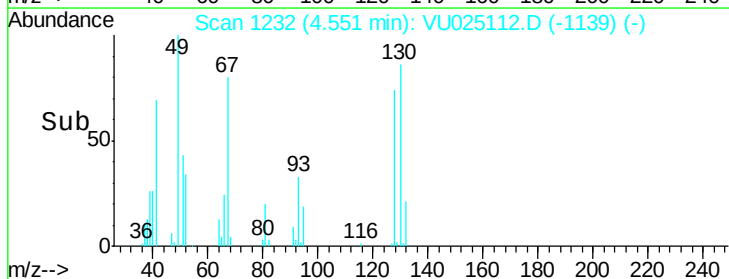
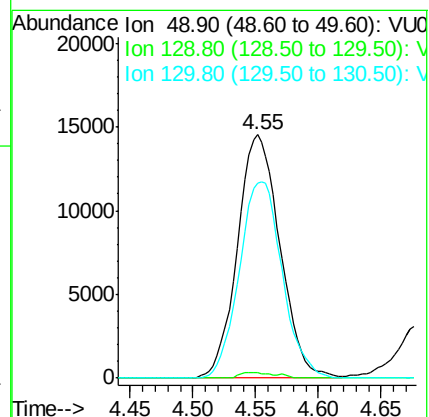
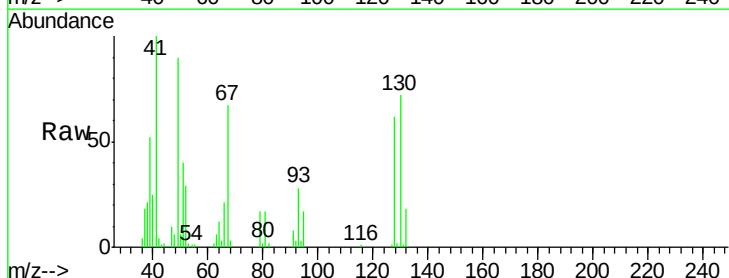
Tgt Ion: 49 Resp: 34256

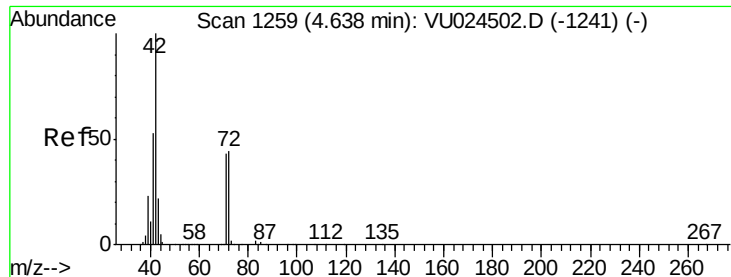
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 81.3 57.8 86.6





#29

Tetrahydrofuran

Concen: 102.162 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

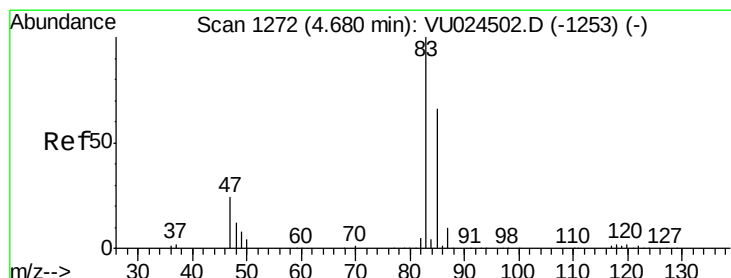
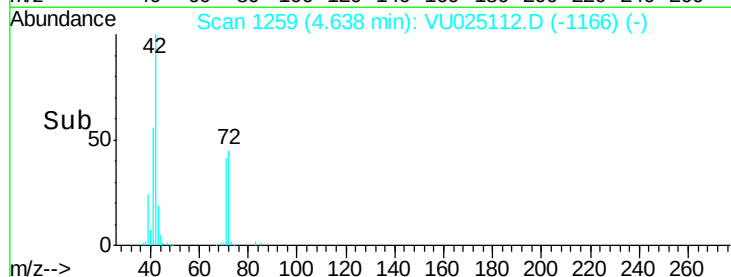
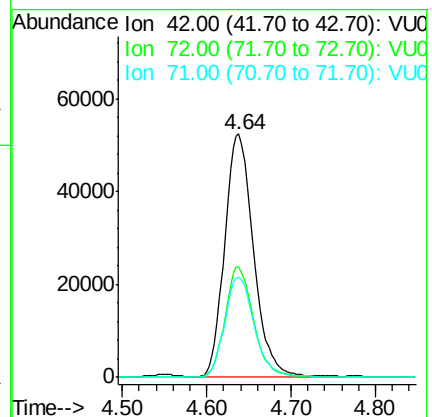
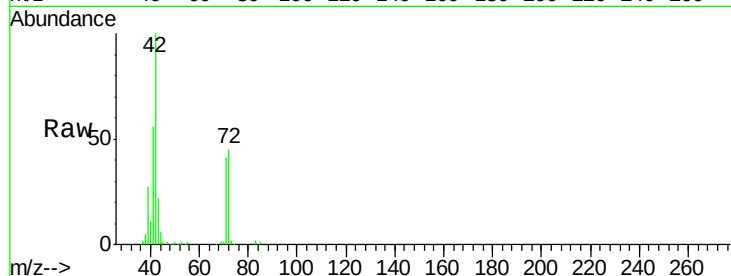
Tgt Ion: 42 Resp: 124256

Ion Ratio Lower Upper

42 100

72 44.9 34.5 51.7

71 42.2 32.2 48.4



#30

Chloroform

Concen: 20.543 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025112.D

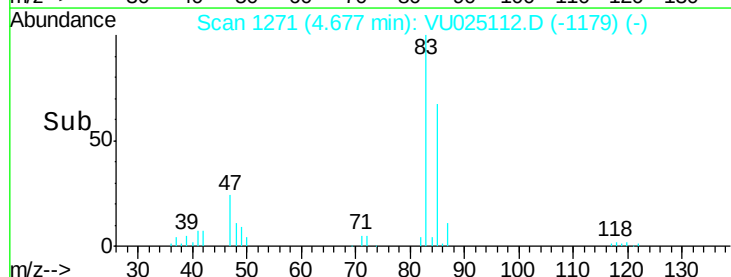
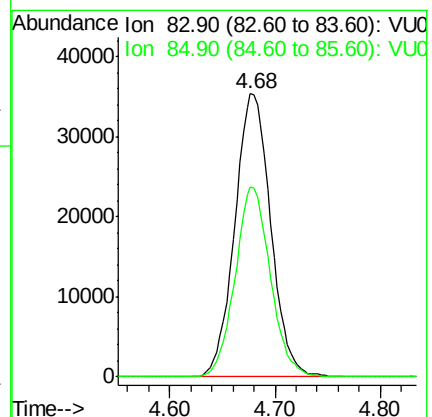
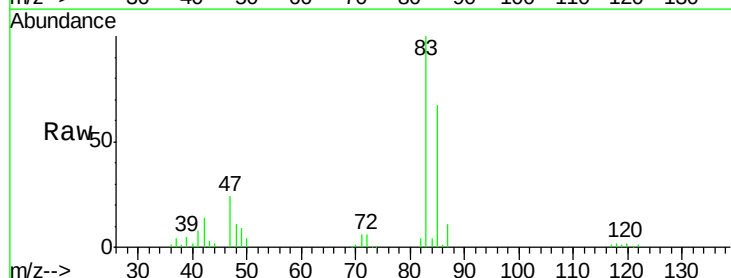
Acq: 01 Jul 2018 01:41

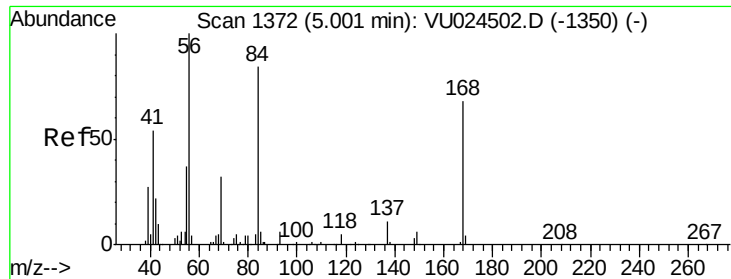
Tgt Ion: 83 Resp: 83568

Ion Ratio Lower Upper

83 100

85 67.2 52.4 78.6

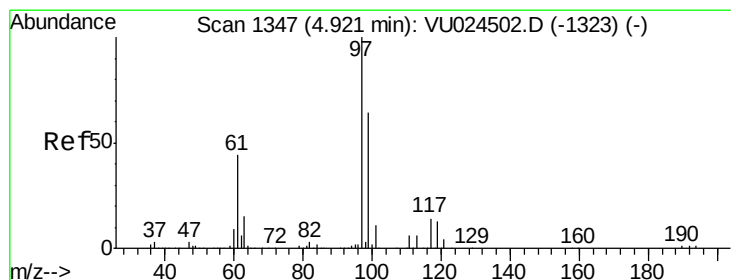
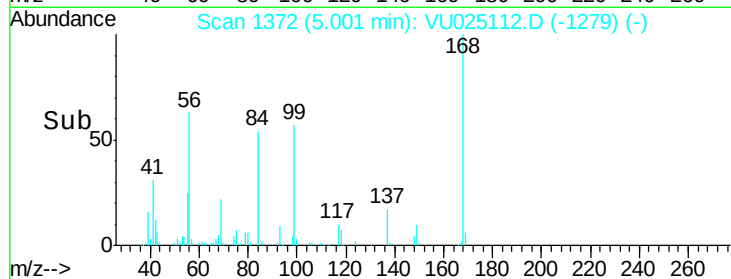
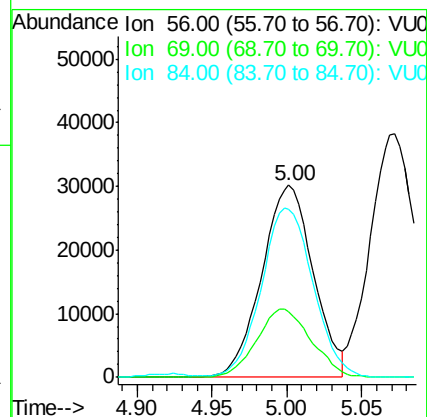
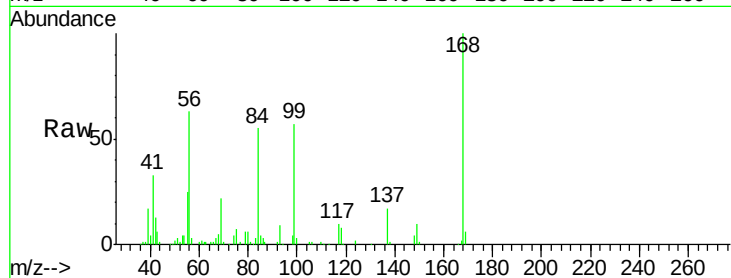




#31
Cyclohexane
Concen: 18.982 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

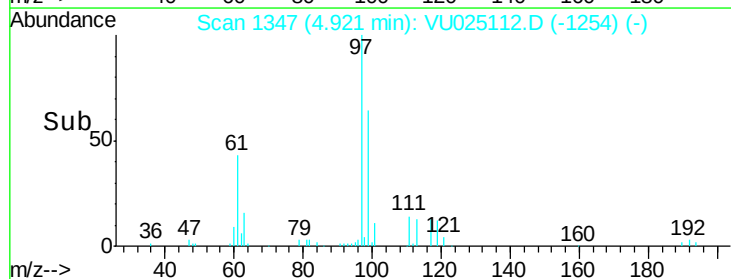
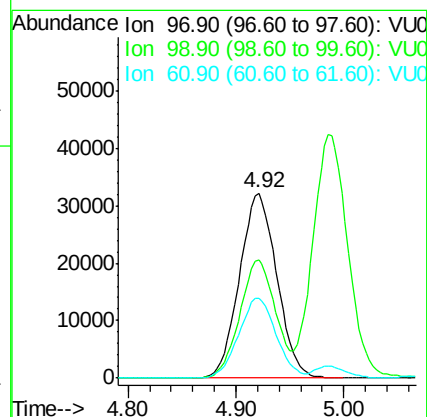
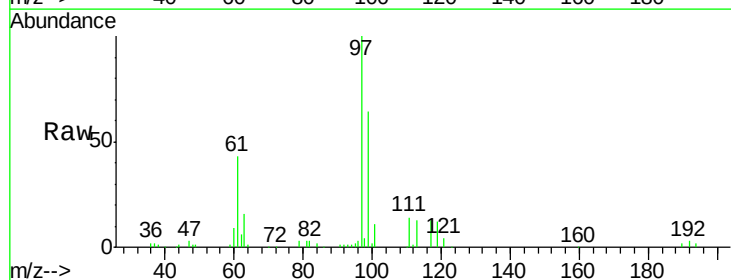
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

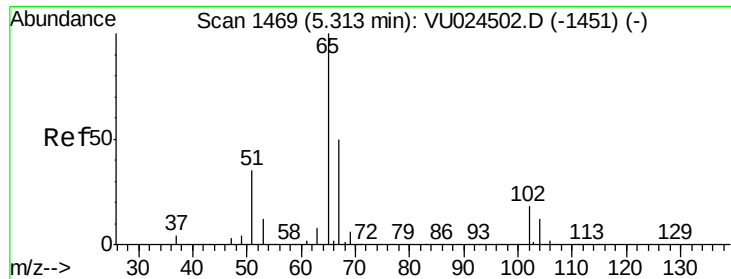
Tgt Ion: 56 Resp: 72116
Ion Ratio Lower Upper
56 100
69 34.3 24.8 37.2
84 86.5 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 20.628 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 97 Resp: 77597
Ion Ratio Lower Upper
97 100
99 62.0 51.0 76.6
61 43.4 39.4 59.0

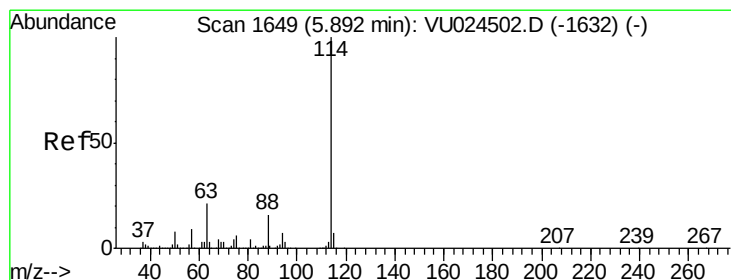
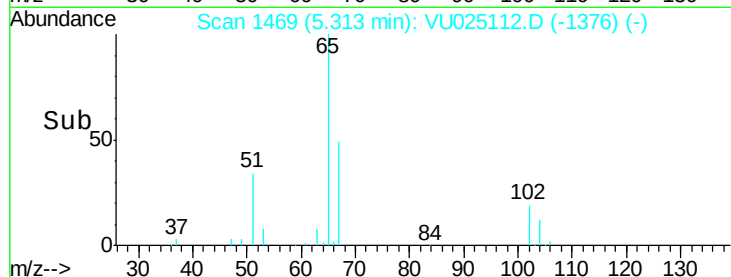
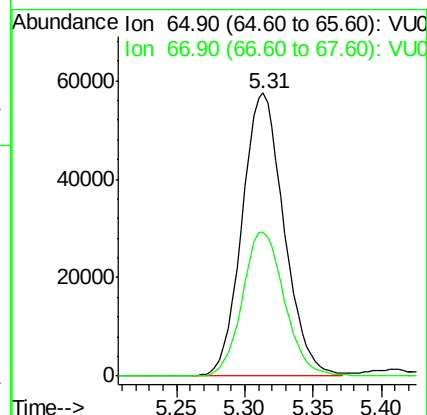
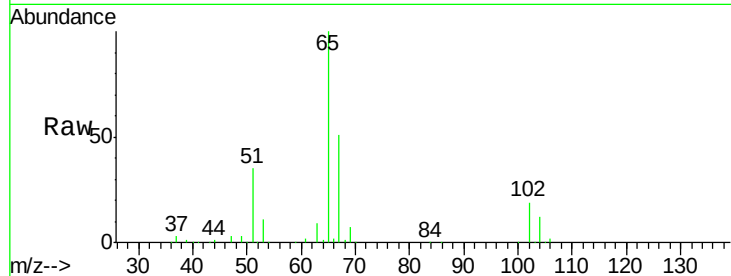




#33
 1,2-Dichloroethane-d4
 Concen: 45.049 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

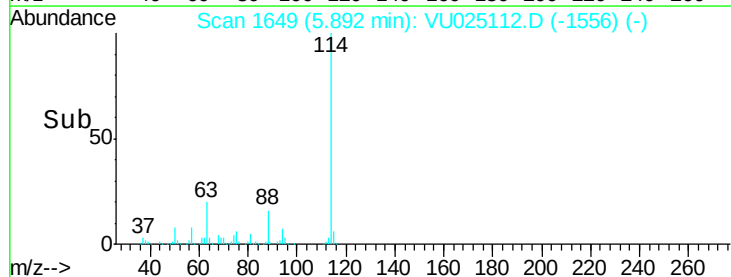
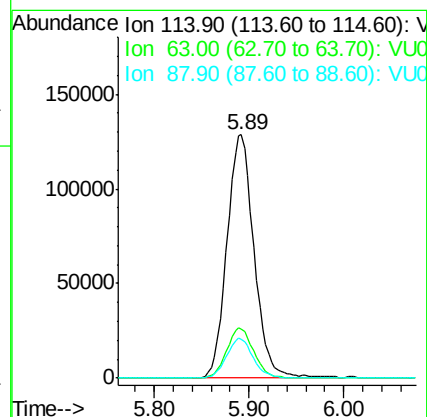
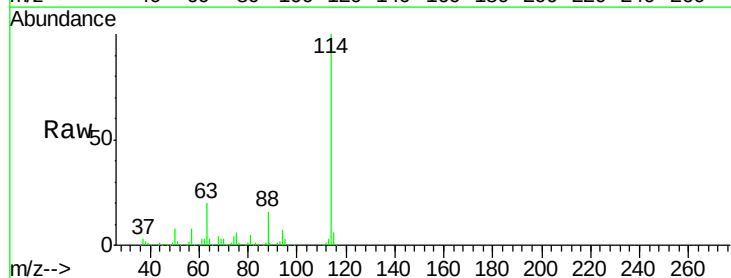
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

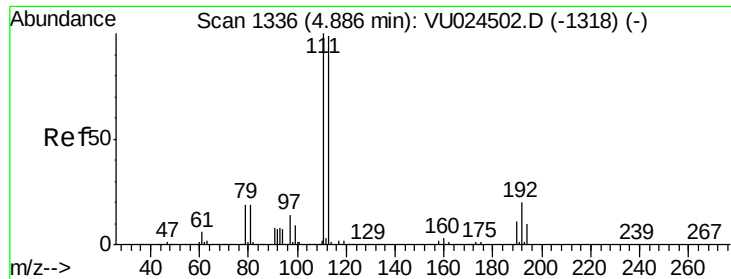
Tgt Ion: 65 Resp: 122594
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 114 Resp: 256698
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.822 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

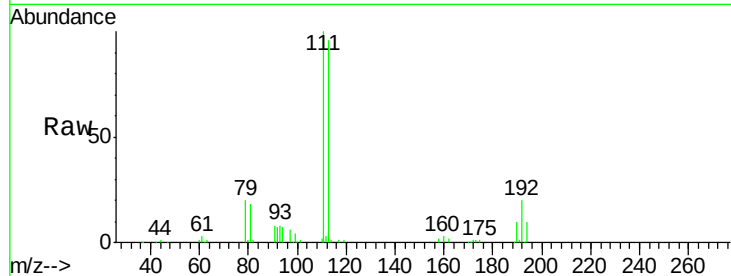
Tgt Ion:113 Resp: 99750

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

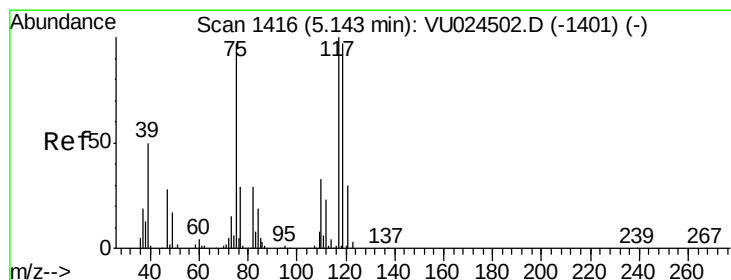
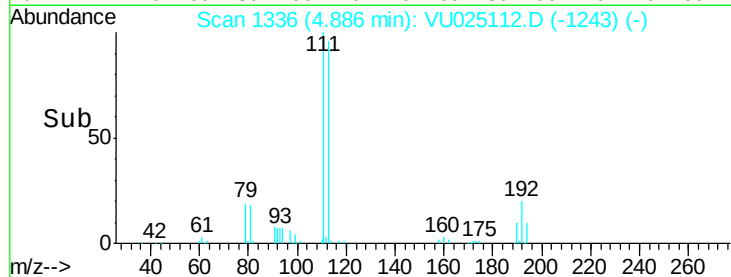
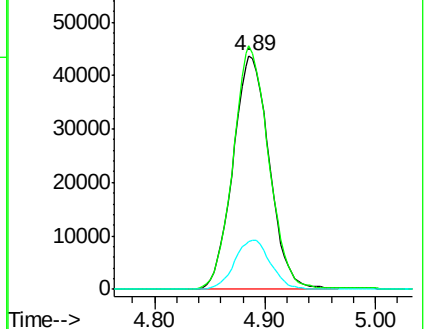
192 20.9 16.2 24.4



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: 19.551 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

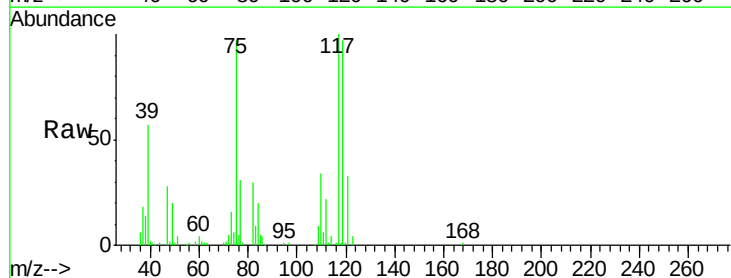
Tgt Ion: 75 Resp: 58975

Ion Ratio Lower Upper

75 100

110 35.2 17.0 50.9

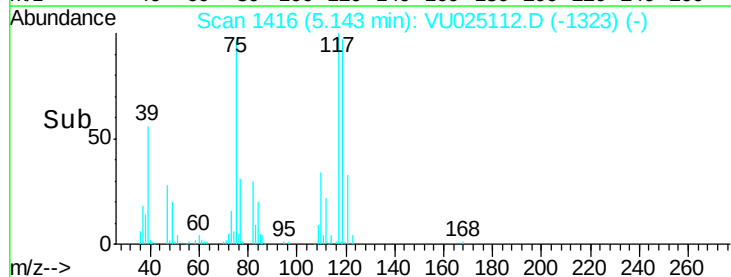
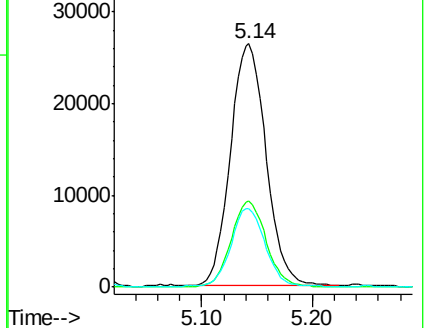
77 32.0 24.2 36.4

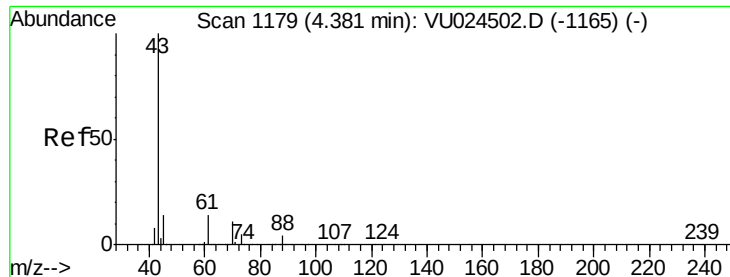


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

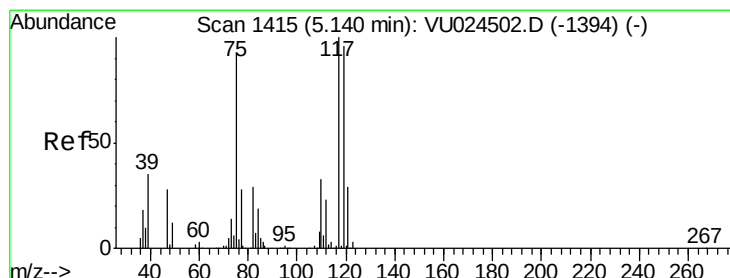
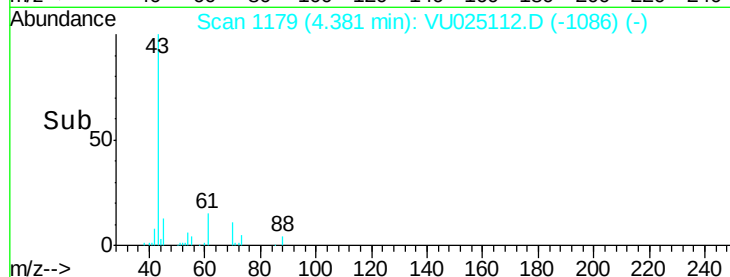
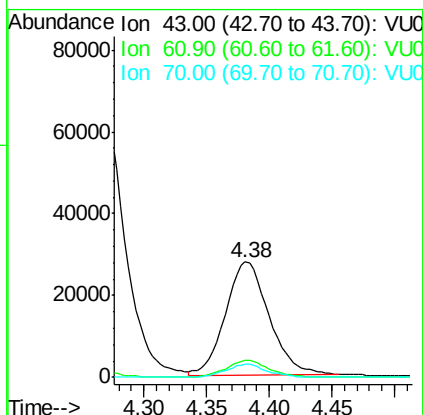
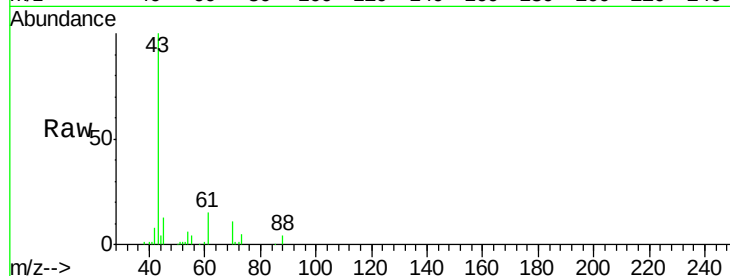




#37
 Ethyl Acetate
 Concen: 20.373 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

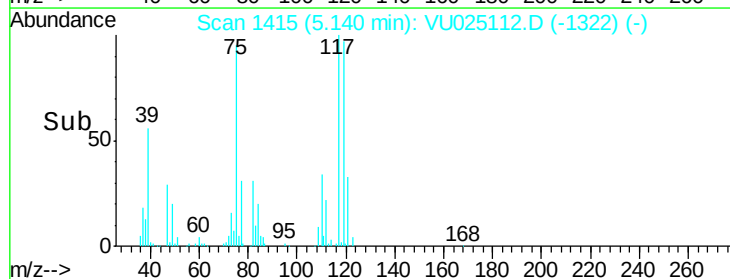
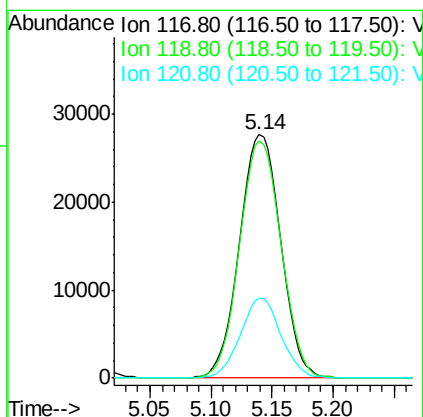
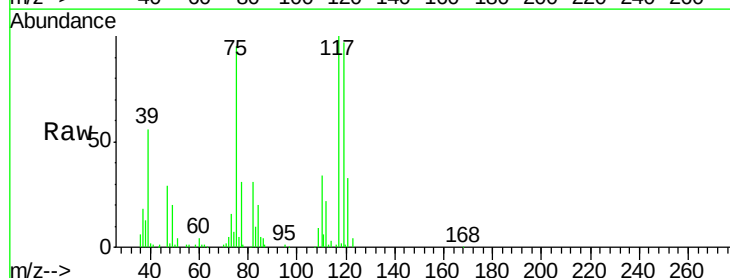
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

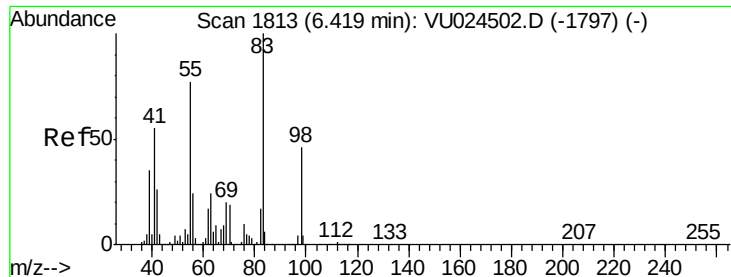
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.5	15.7
70	11.0	7.4	11.2



#38
 Carbon Tetrachloride
 Concen: 19.546 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.1	114.1
121	33.0	23.7	35.5

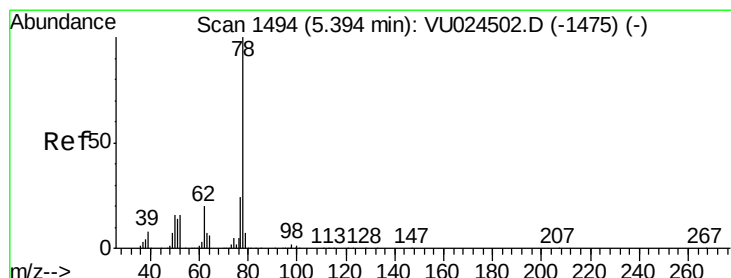
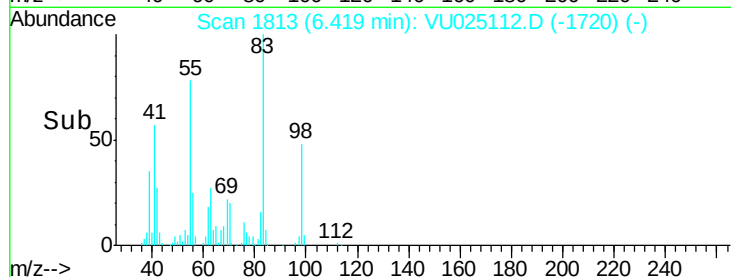
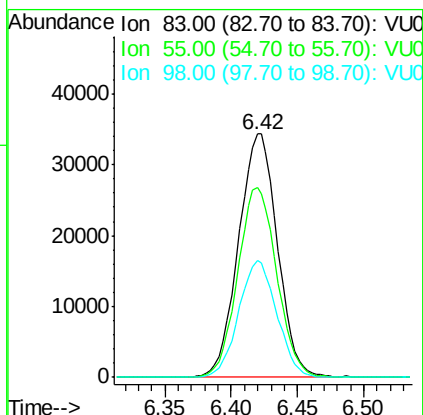
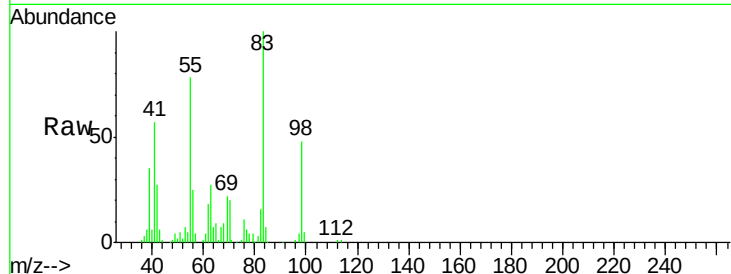




#39
Methylcyclohexane
Concen: 18.621 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

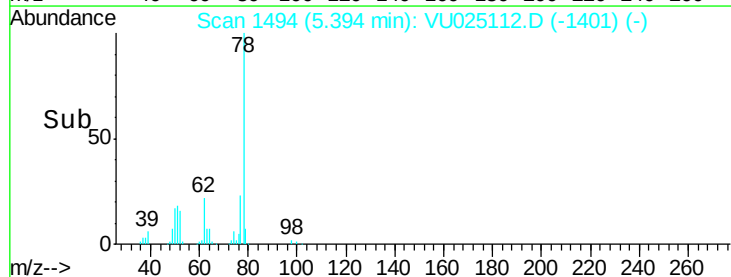
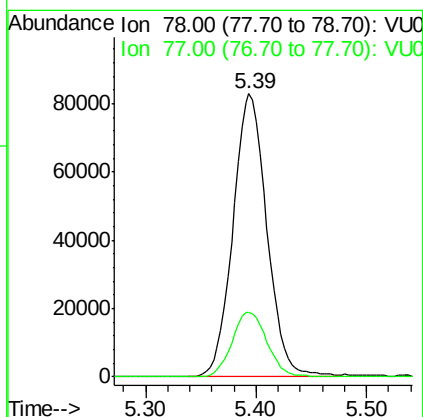
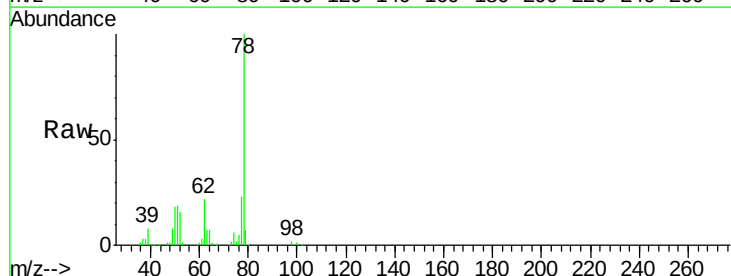
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

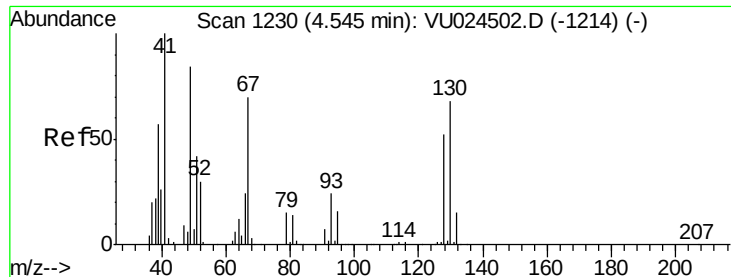
Tgt Ion: 83 Resp: 70093
Ion Ratio Lower Upper
83 100
55 78.2 65.8 98.6
98 48.2 36.7 55.1



#40
Benzene
Concen: 20.549 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 78 Resp: 176619
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8

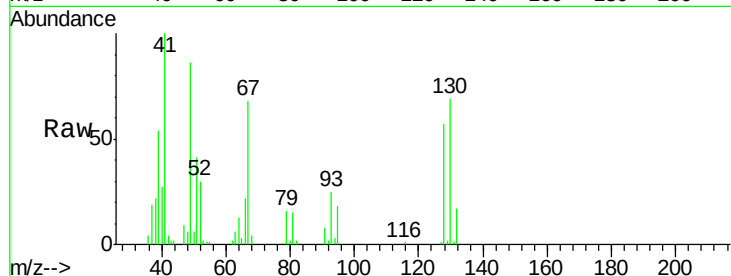




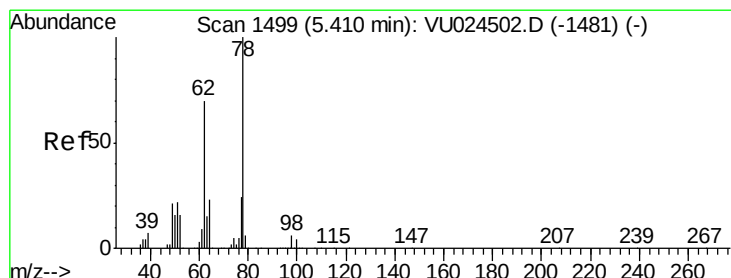
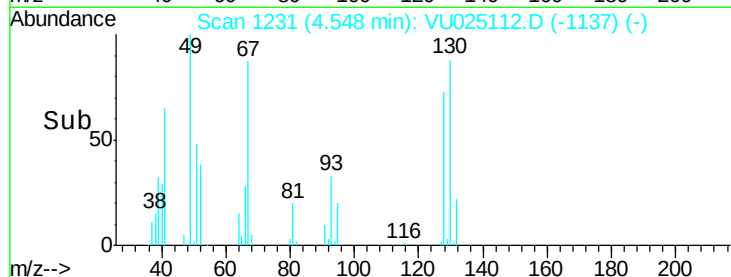
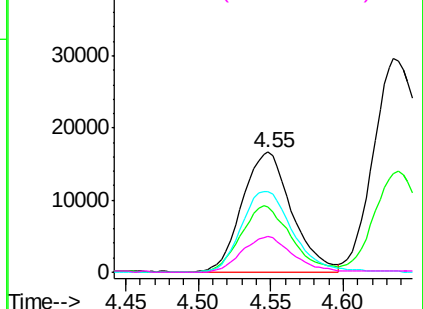
#41
Methacrylonitrile
Concen: 22.436 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

Tgt Ion:	41	Resp:	39770
Ion	Ratio	Lower	Upper
41	100		
39	56.3	43.8	65.6
67	69.8	56.3	84.5
52	30.5	23.2	34.8

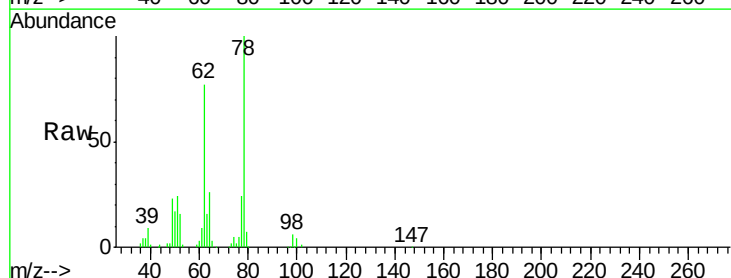


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

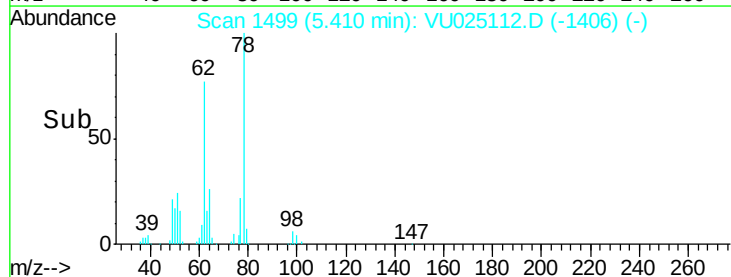
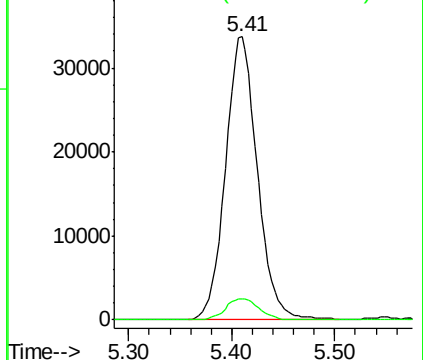


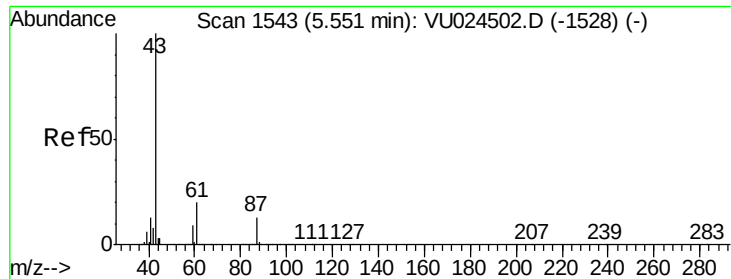
#42
1,2-Dichloroethane
Concen: 22.192 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion:	62	Resp:	72646
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

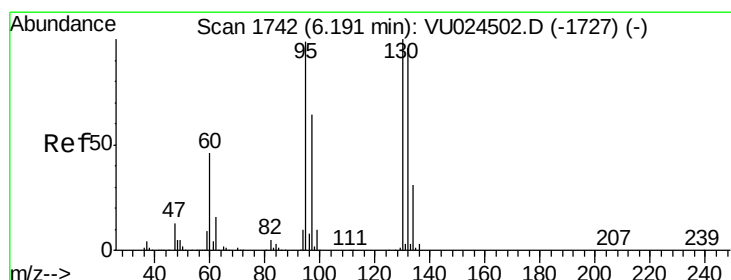
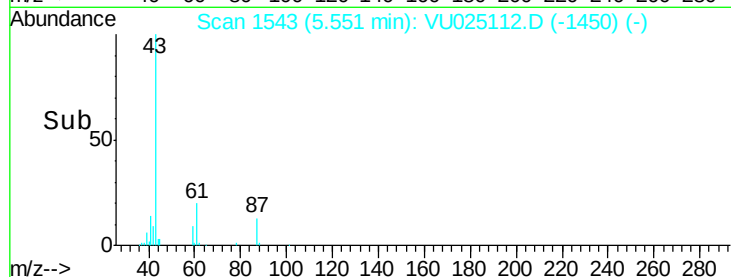
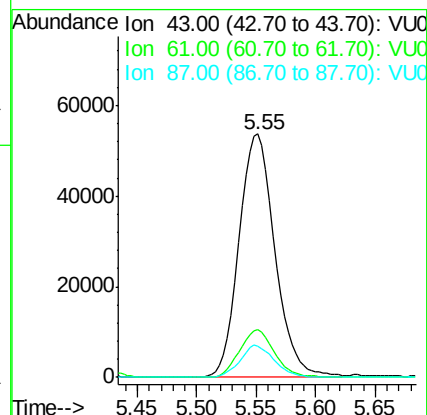
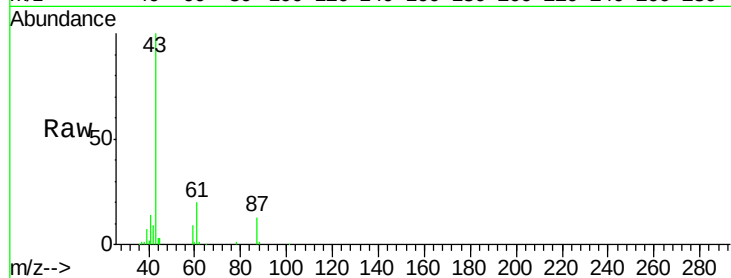




#43
Isopropyl Acetate
Concen: 19.698 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

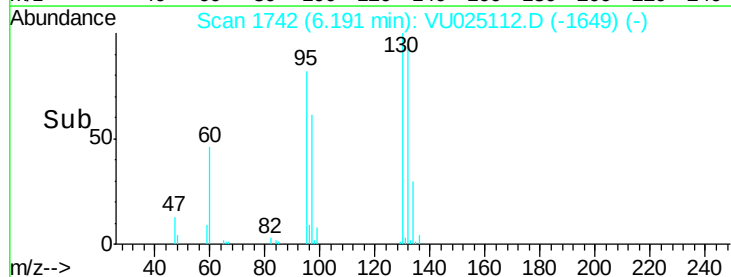
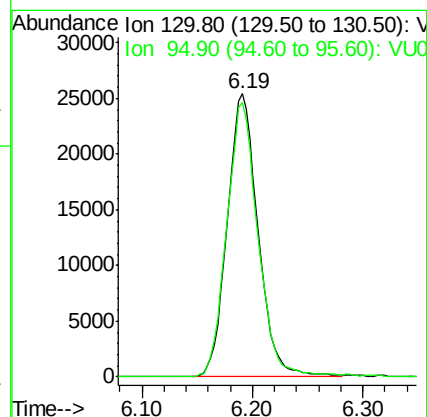
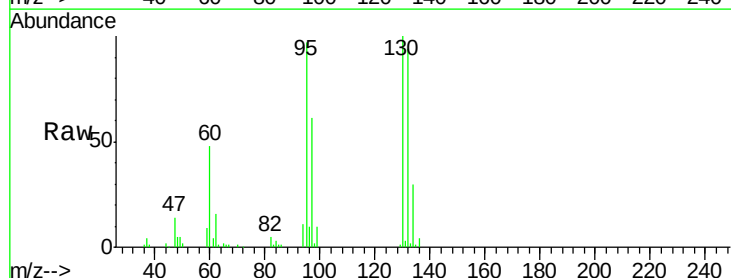
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

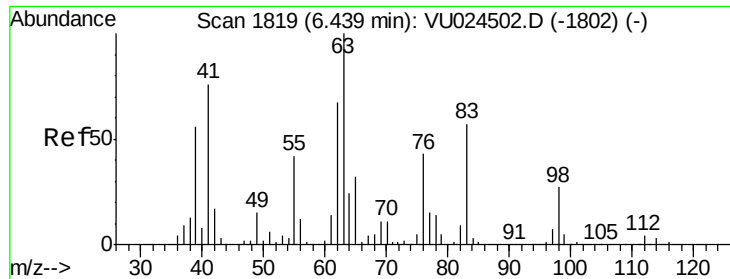
Tgt Ion: 43 Resp: 111942
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 12.6 10.0 15.0



#44
Trichloroethene
Concen: 20.165 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 130 Resp: 49327
Ion Ratio Lower Upper
130 100
95 97.1 0.0 202.4

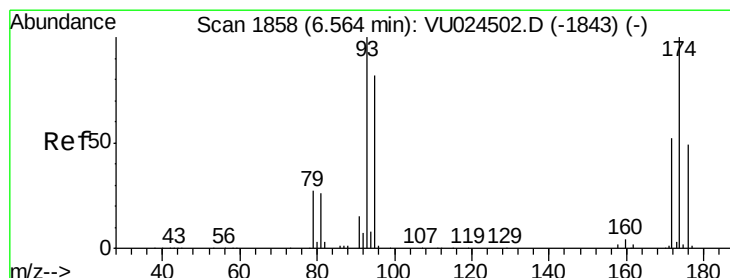
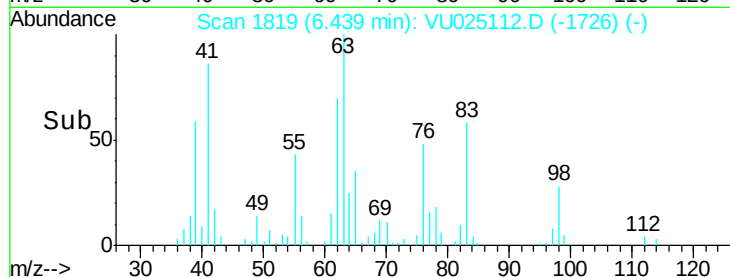
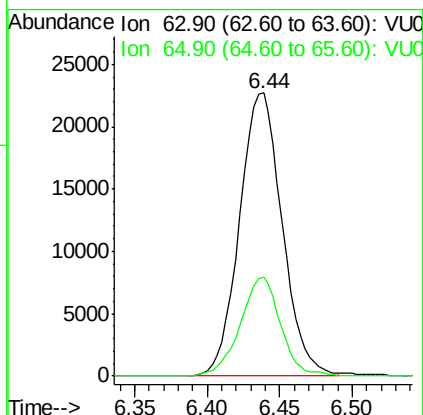
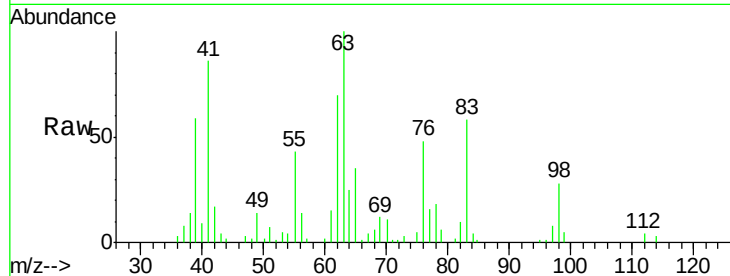




#45
 1,2-Dichloropropane
 Concen: 20.271 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

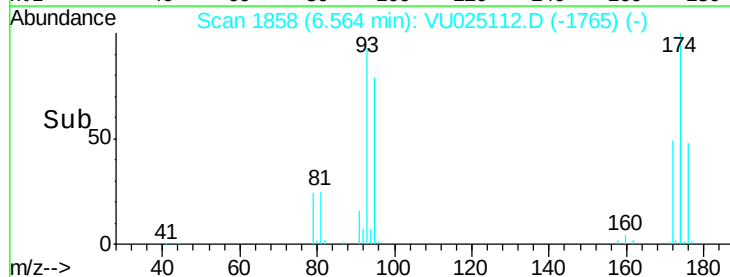
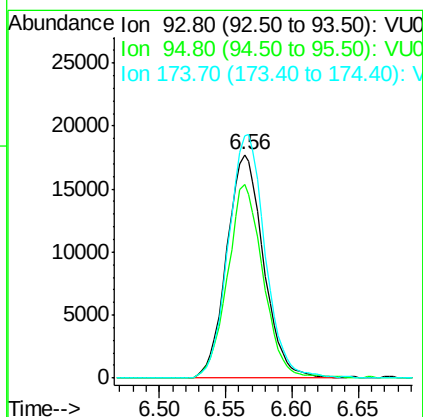
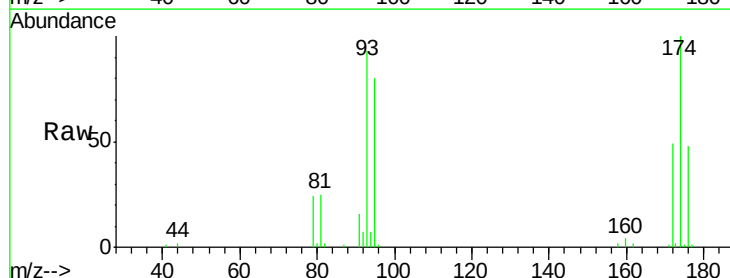
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

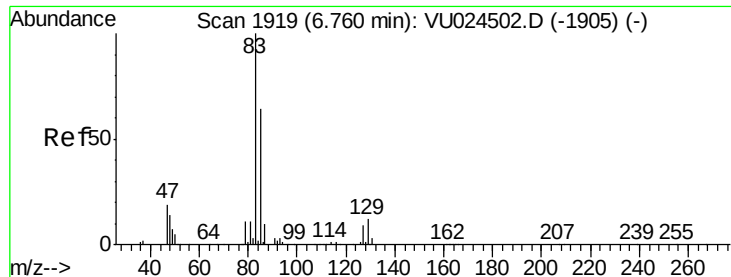
Tgt Ion: 63 Resp: 46488
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.8 37.2



#46
 Dibromomethane
 Concen: 21.241 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 93 Resp: 34217
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.5 98.3
 174 108.2 78.7 118.1





#47

Bromodichloromethane

Concen: 19.824 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

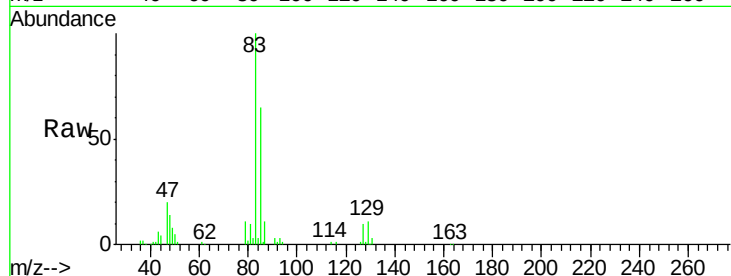
Tgt Ion: 83 Resp: 63592

Ion Ratio Lower Upper

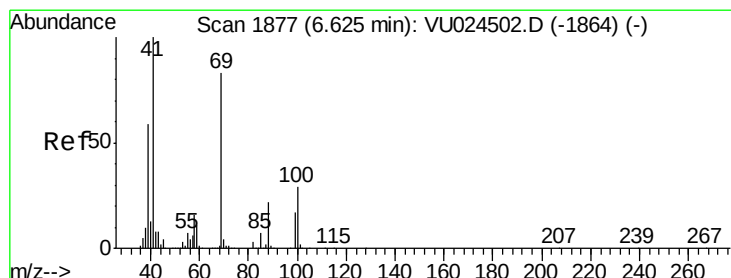
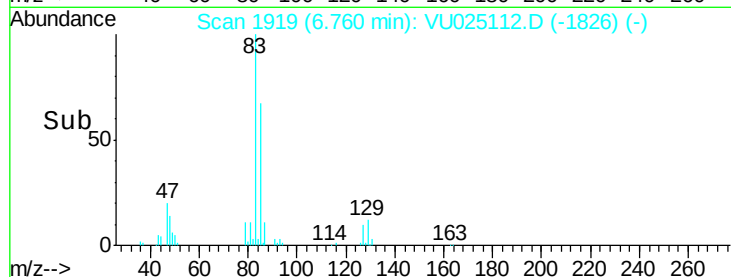
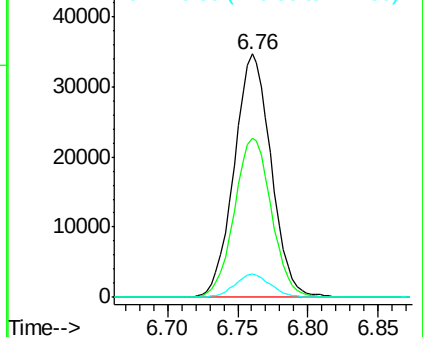
83 100

85 65.5 51.9 77.9

127 9.7 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): VU0



#48

Methyl methacrylate

Concen: 21.544 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

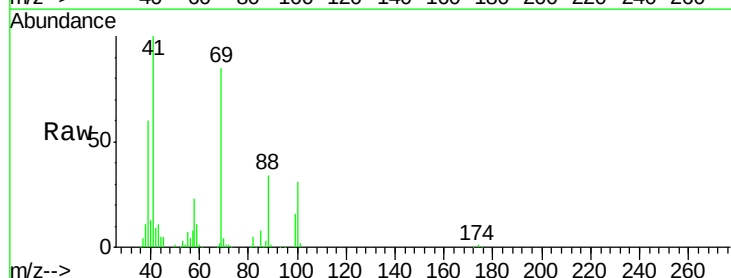
Tgt Ion: 41 Resp: 59616

Ion Ratio Lower Upper

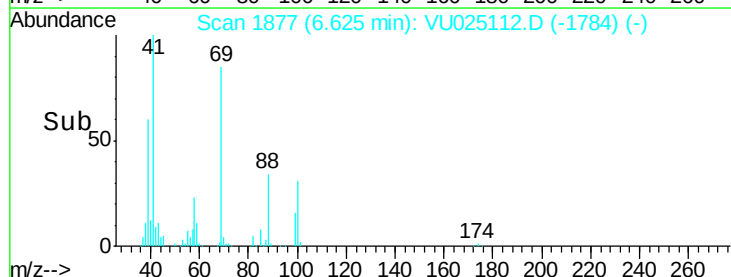
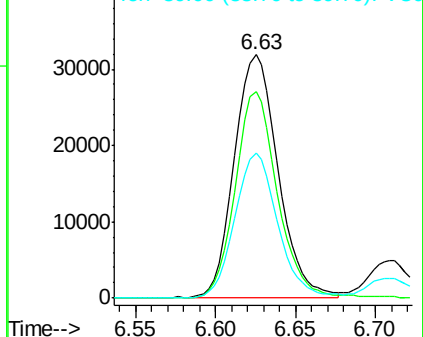
41 100

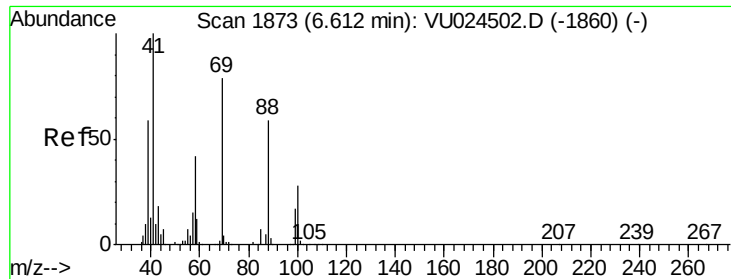
69 82.0 67.3 100.9

39 58.5 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

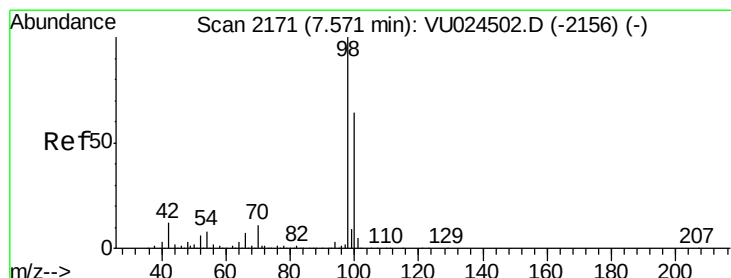
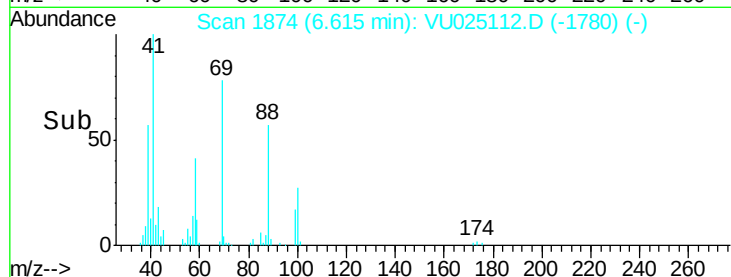
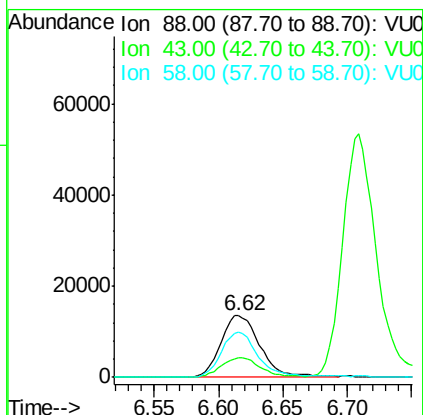
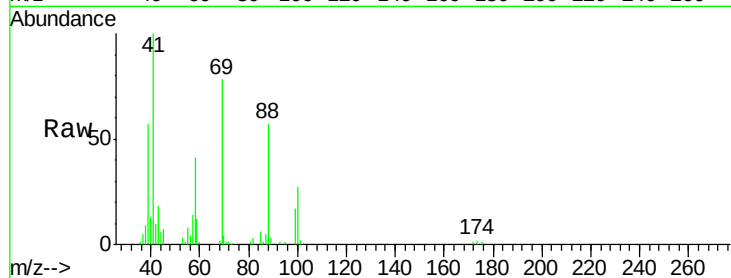




#49
 1,4-Dioxane
 Concen: 527.622 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

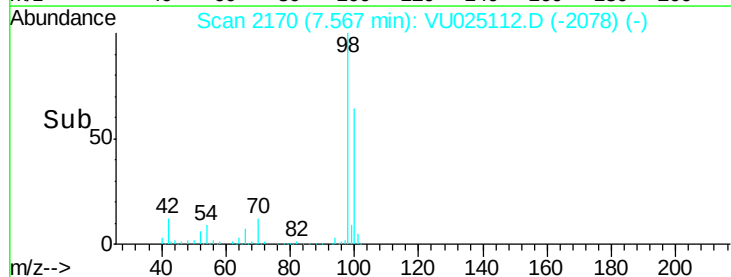
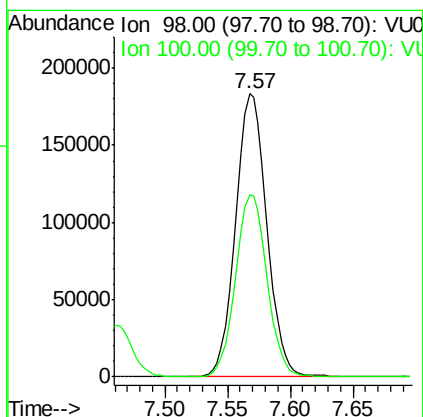
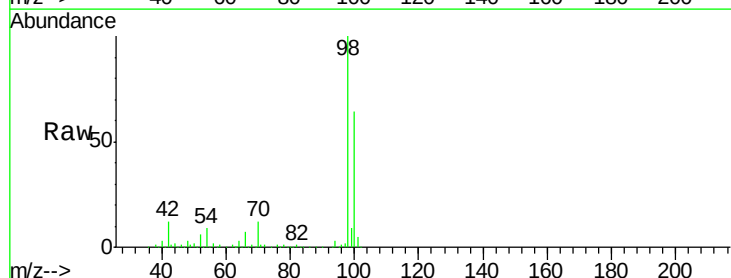
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

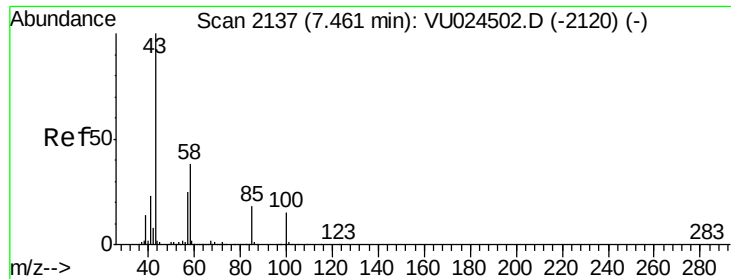
Tgt Ion: 88 Resp: 28553
 Ion Ratio Lower Upper
 88 100
 43 32.5 28.6 42.8
 58 69.3 58.2 87.4



#50
 Toluene-d8
 Concen: 40.834 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 98 Resp: 317313
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 104.573 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

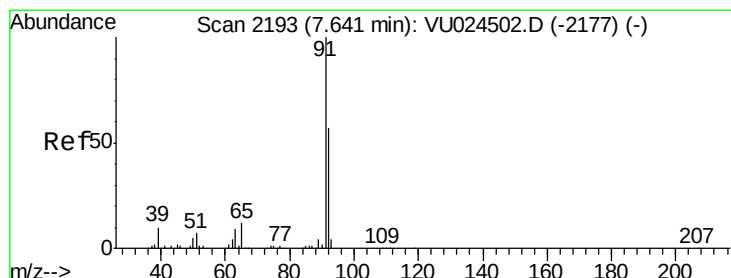
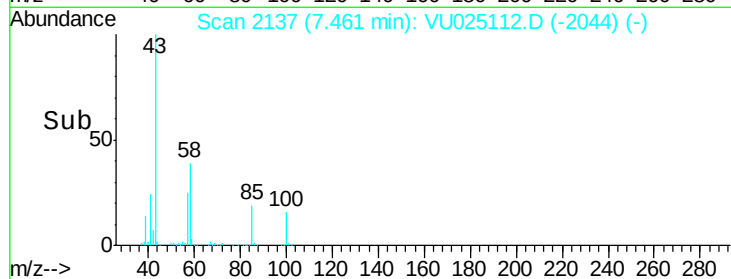
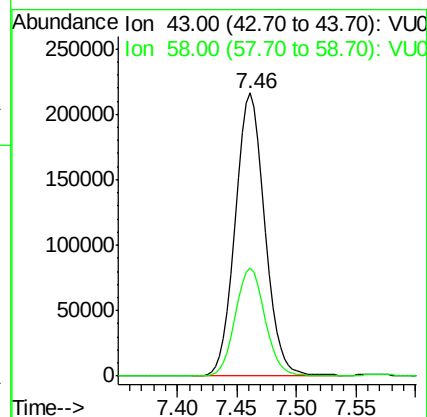
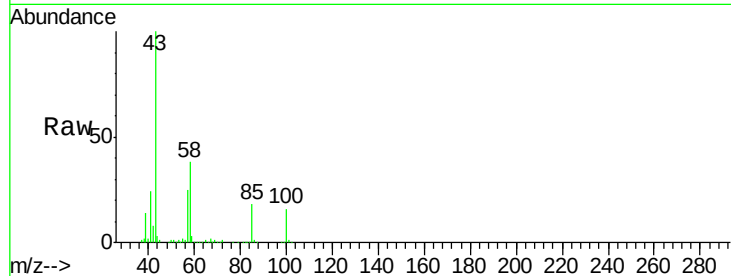
VU0630WBSD02

Tgt Ion: 43 Resp: 373352

Ion Ratio Lower Upper

43 100

58 38.3 30.0 45.0



#52

Toluene

Concen: 19.803 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025112.D

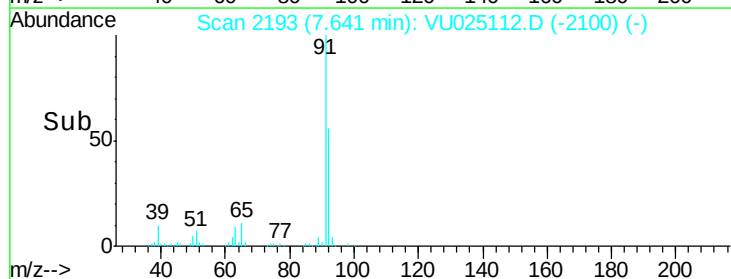
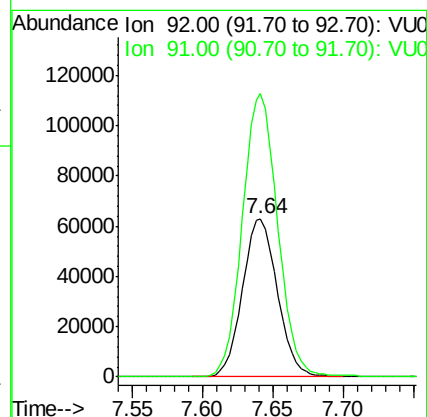
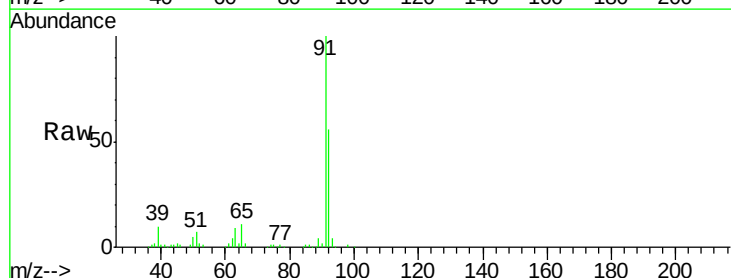
Acq: 01 Jul 2018 01:41

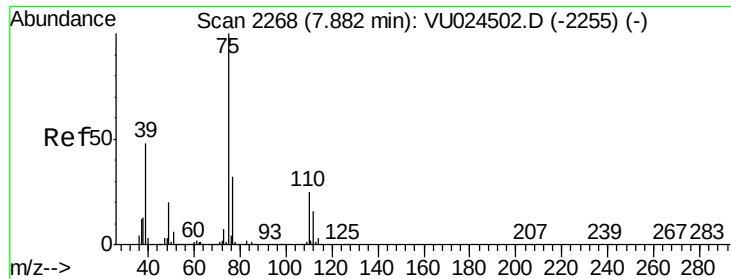
Tgt Ion: 92 Resp: 109506

Ion Ratio Lower Upper

92 100

91 181.2 140.5 210.7

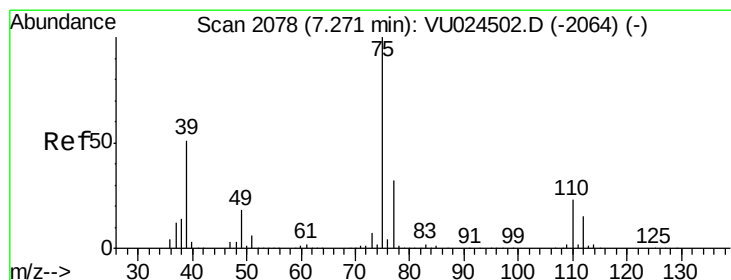
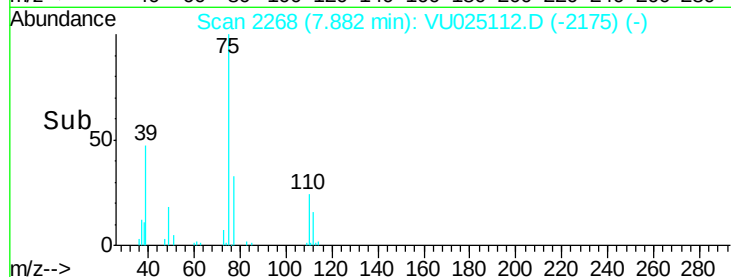
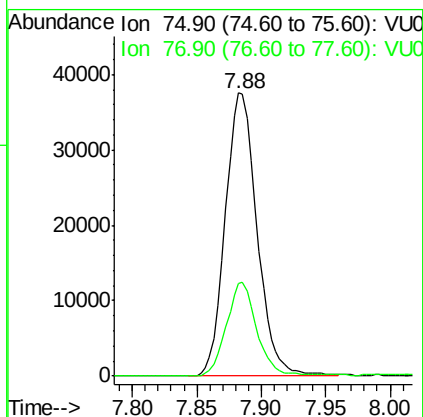
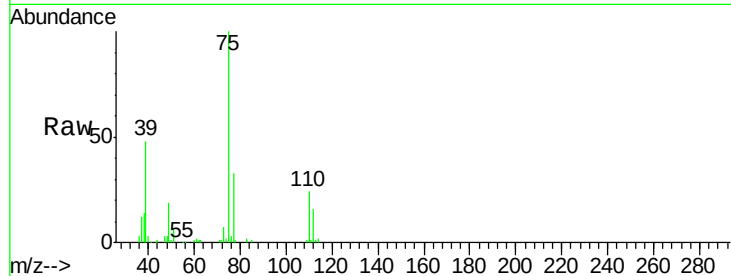




#53
t-1,3-Dichloropropene
Concen: 17.861 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

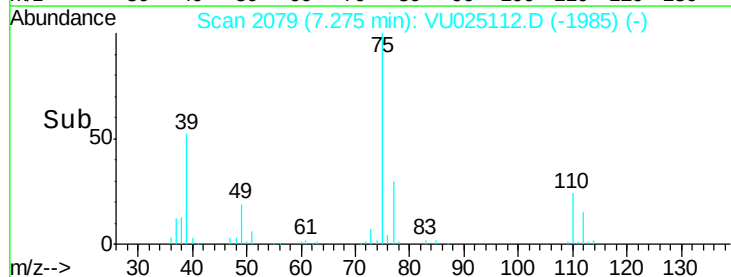
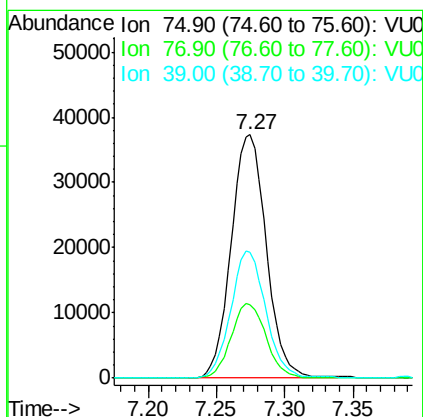
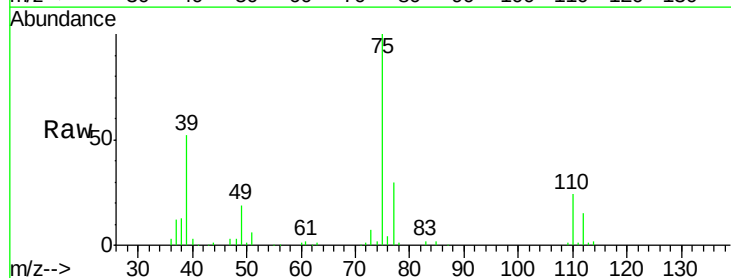
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

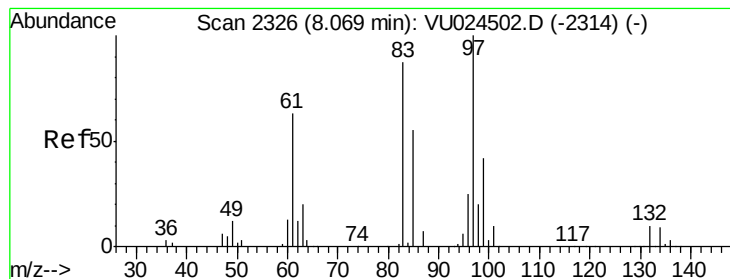
Tgt Ion: 75 Resp: 64340
Ion Ratio Lower Upper
75 100
77 32.9 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 17.429 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 75 Resp: 66902
Ion Ratio Lower Upper
75 100
77 30.3 24.6 36.8
39 51.9 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 20.883 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

Tgt Ion: 97 Resp: 46941

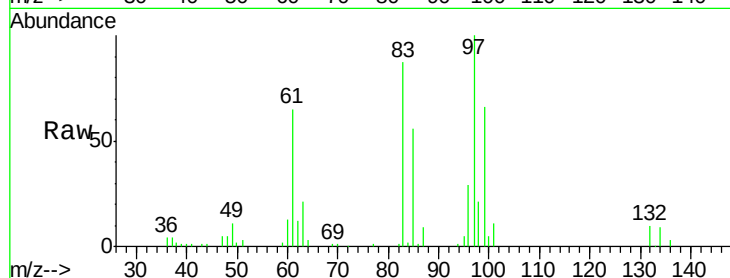
Ion Ratio Lower Upper

97 100

83 87.0 70.5 105.7

85 56.4 46.4 69.6

99 65.7 50.2 75.2

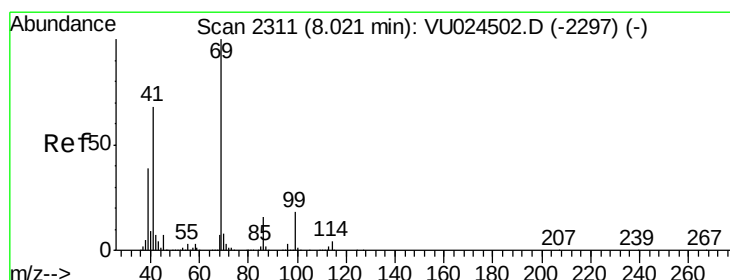
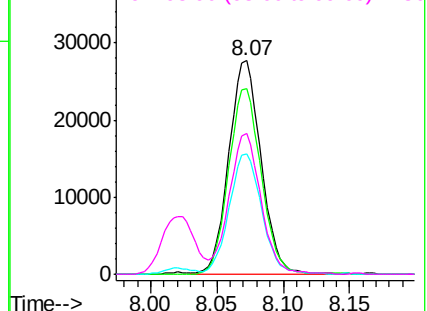
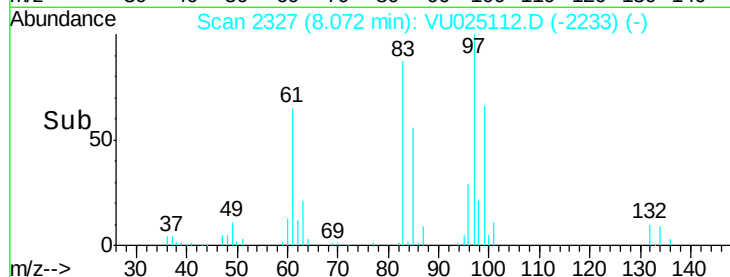


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 19.732 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

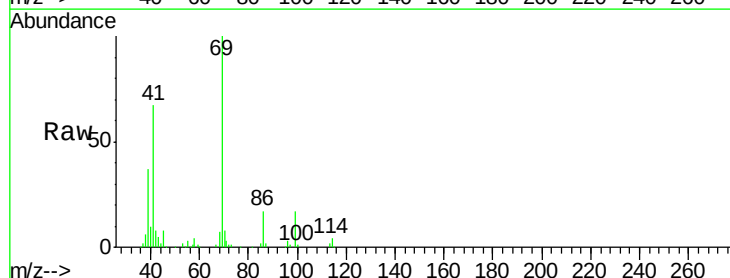
Tgt Ion: 69 Resp: 74236

Ion Ratio Lower Upper

69 100

41 66.8 54.1 81.1

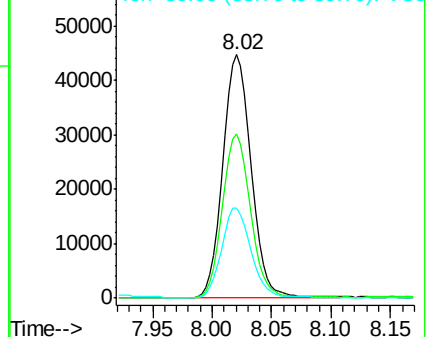
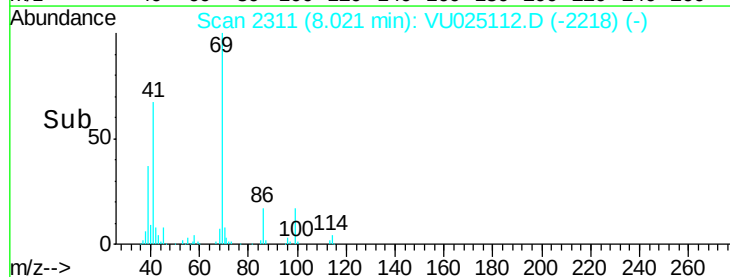
39 37.5 30.3 45.5

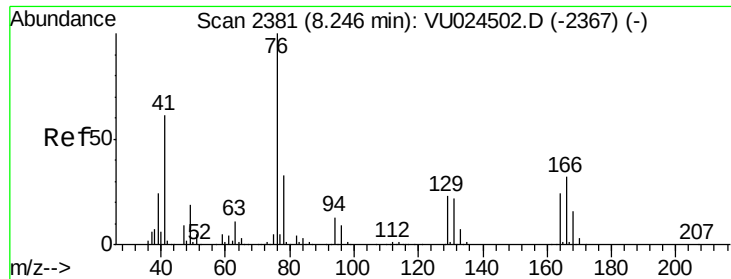


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

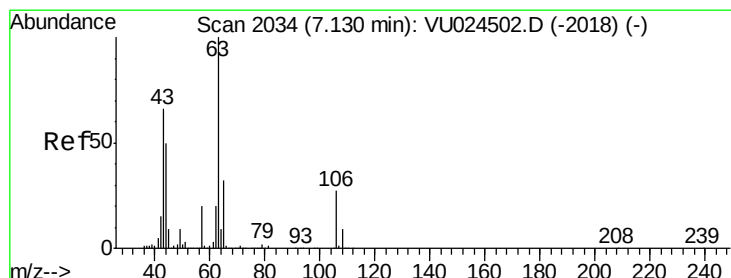
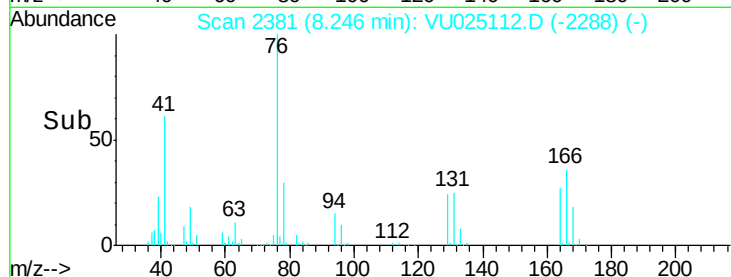
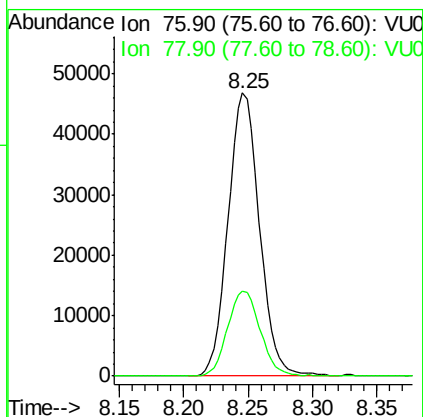
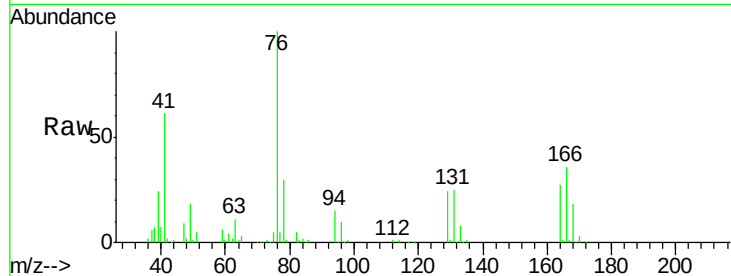




#57
 1,3-Dichloropropane
 Concen: 20.952 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

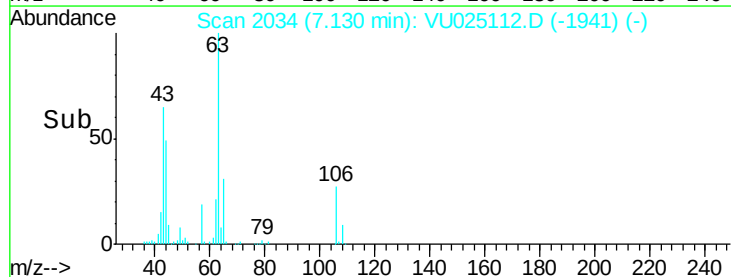
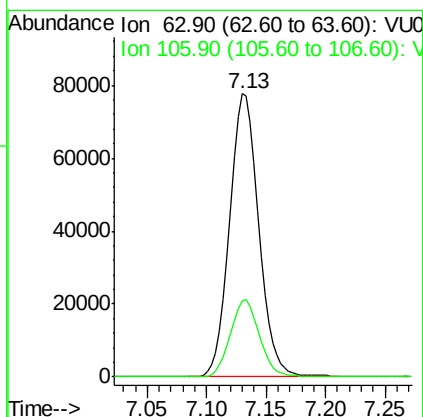
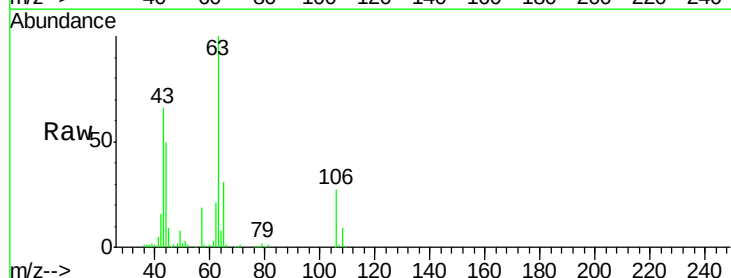
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

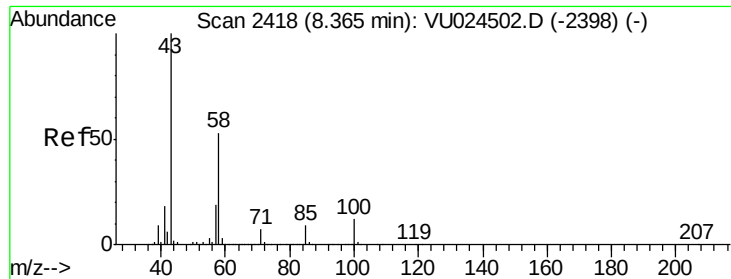
Tgt Ion: 76 Resp: 79445
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.793 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 63 Resp: 132303
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2

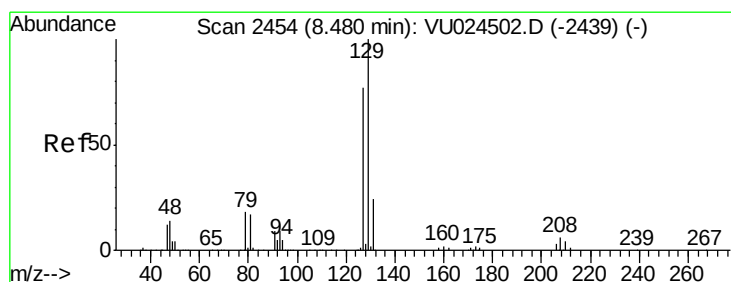
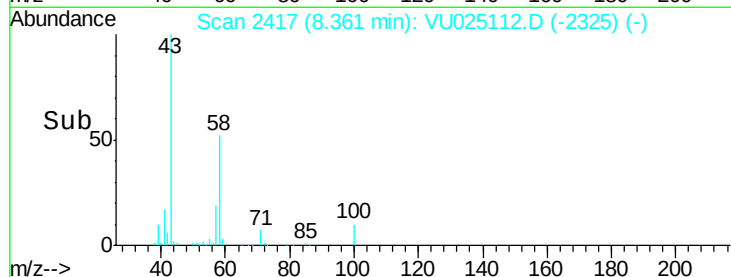
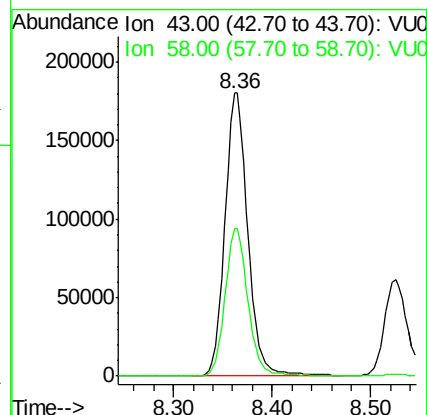
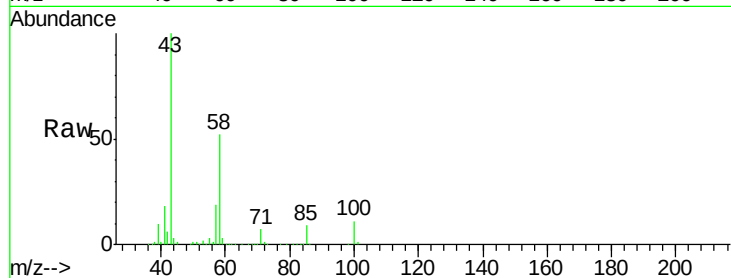




#59
2-Hexanone
Concen: 100.937 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

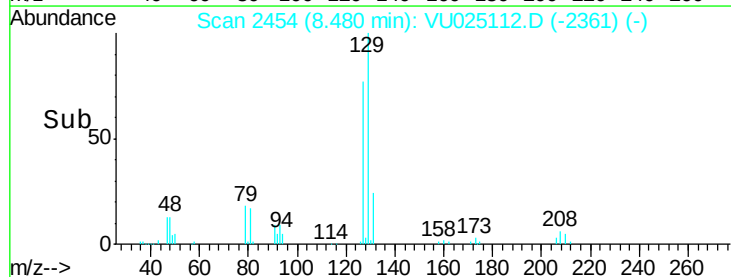
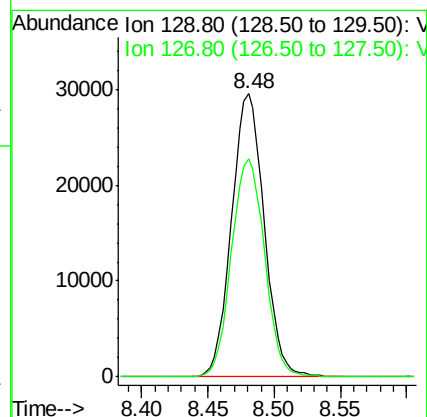
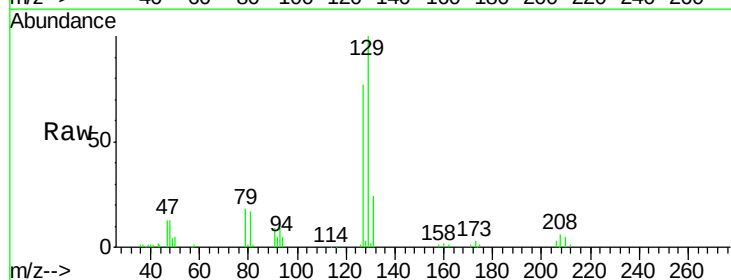
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

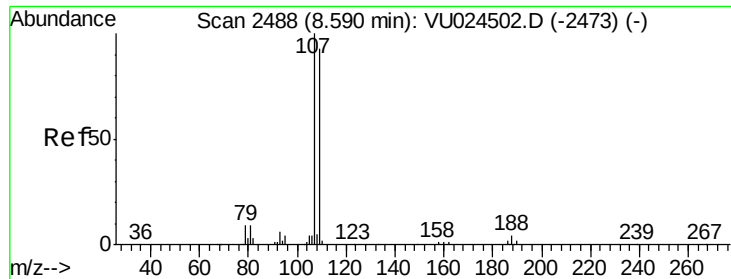
Tgt Ion: 43 Resp: 294209
Ion Ratio Lower Upper
43 100
58 51.9 26.4 79.0



#60
Dibromochloromethane
Concen: 18.040 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 129 Resp: 50567
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.550 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

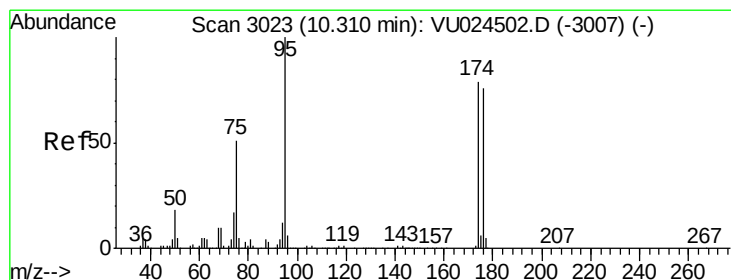
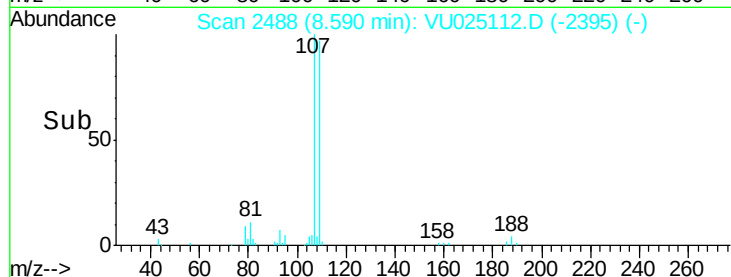
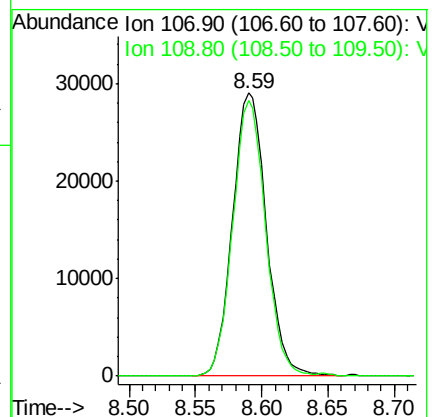
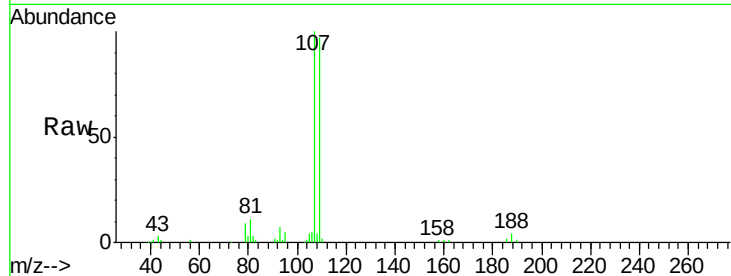
VU0630WBSD02

Tgt Ion: 107 Resp: 51413

Ion Ratio Lower Upper

107 100

109 94.4 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 42.987 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

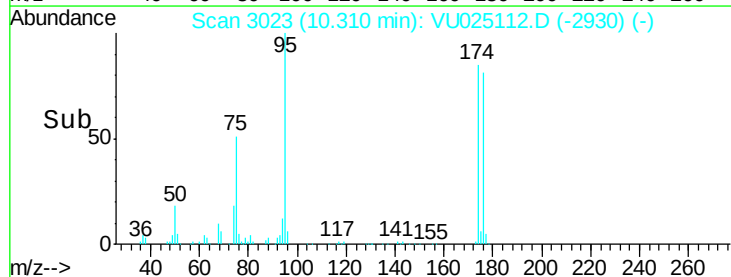
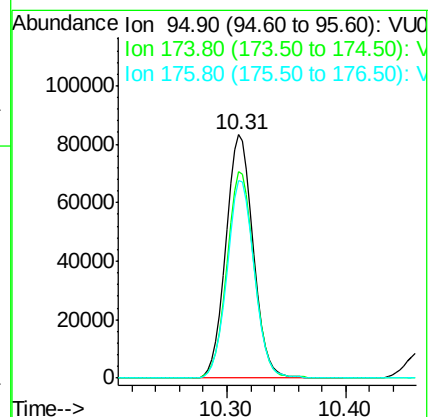
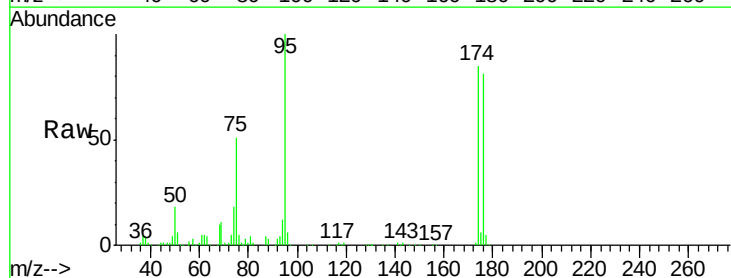
Tgt Ion: 95 Resp: 132630

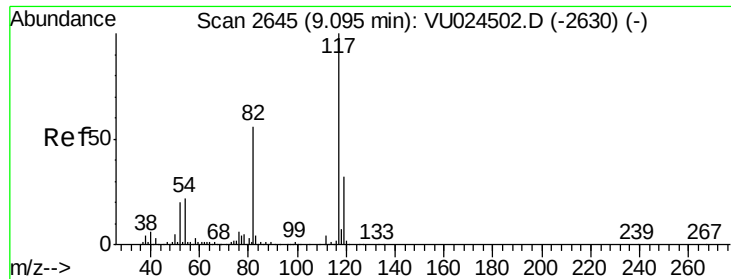
Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.8

176 81.0 0.0 159.4

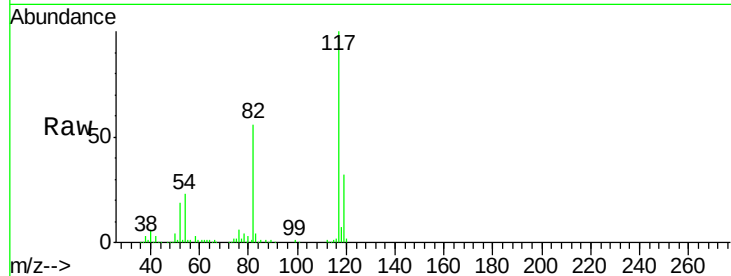




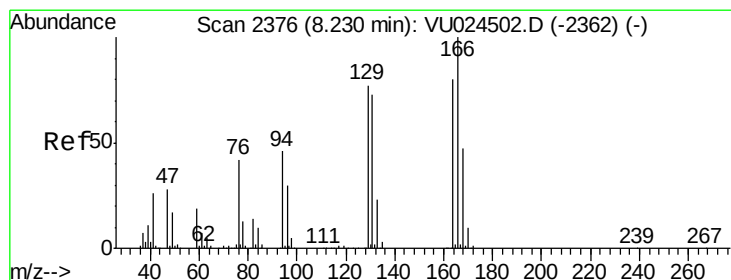
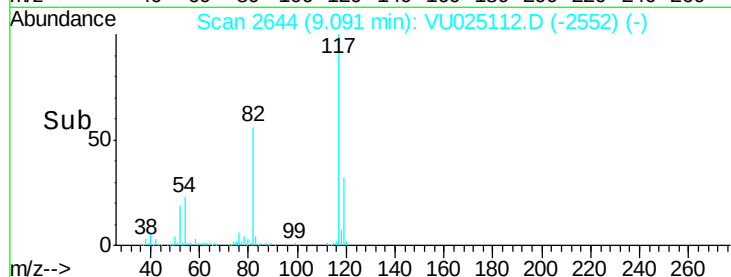
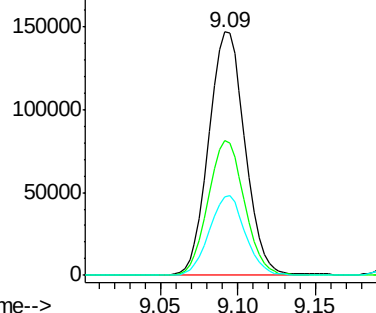
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	32.1	25.4	38.2



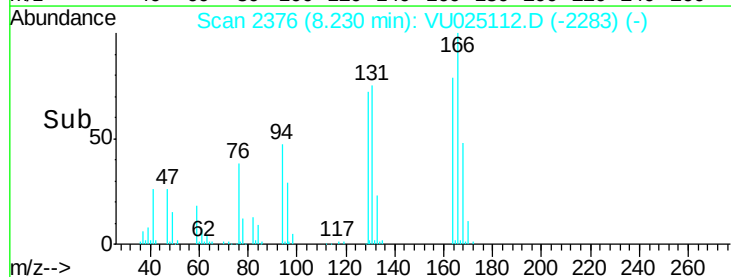
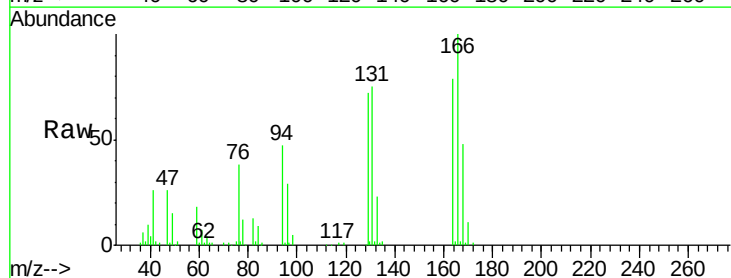
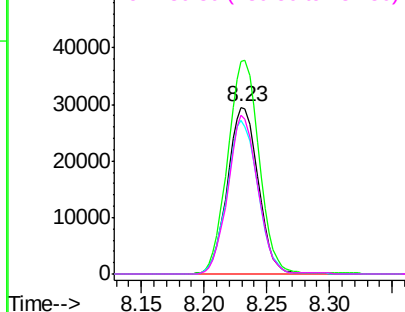
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

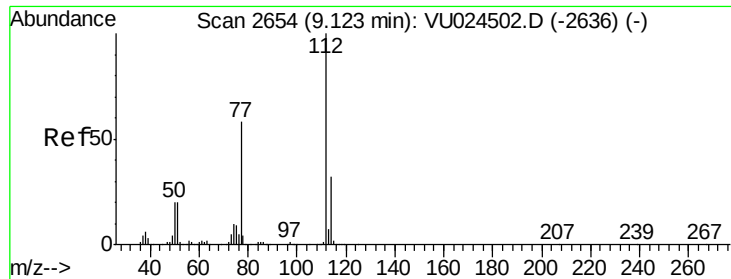


#64
Tetrachloroethene
Concen: 22.196 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.7	152.5
129	92.0	76.9	115.3
131	95.4	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

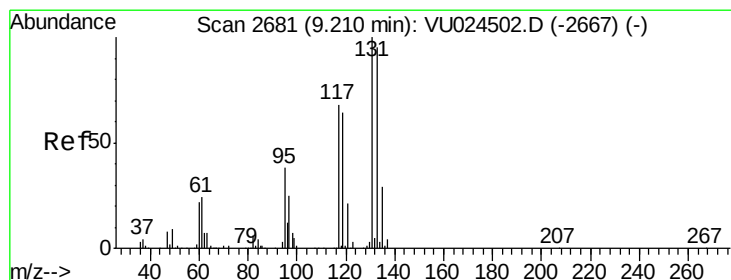
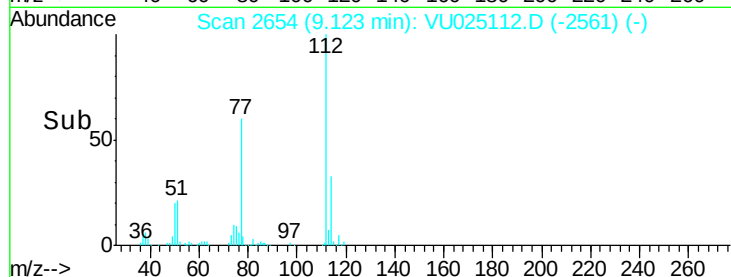
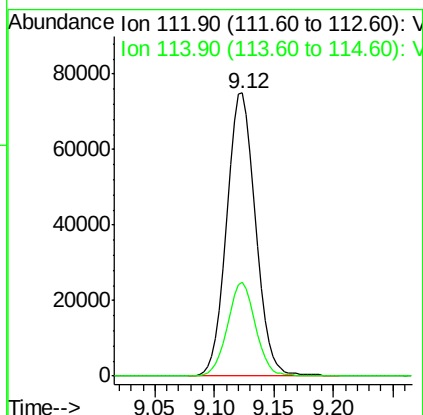
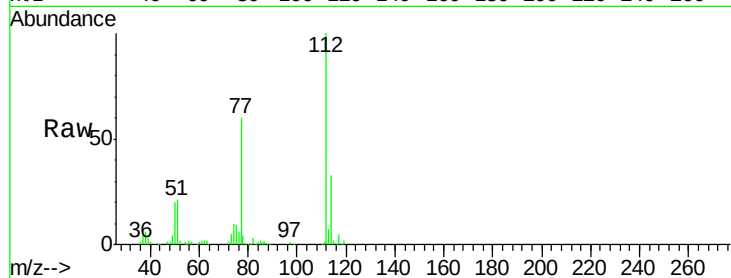




#65
Chlorobenzene
Concen: 20.669 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

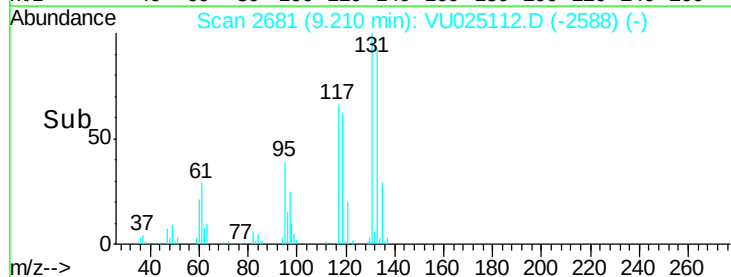
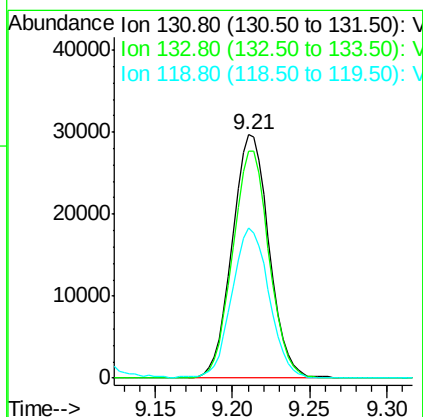
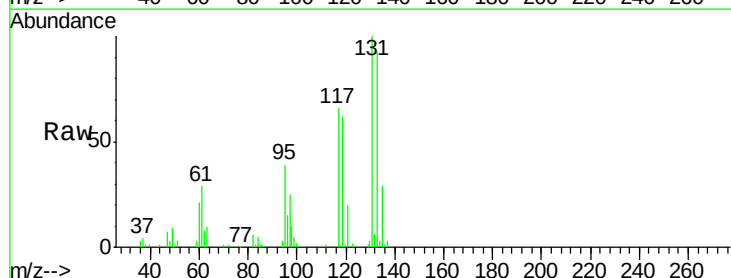
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

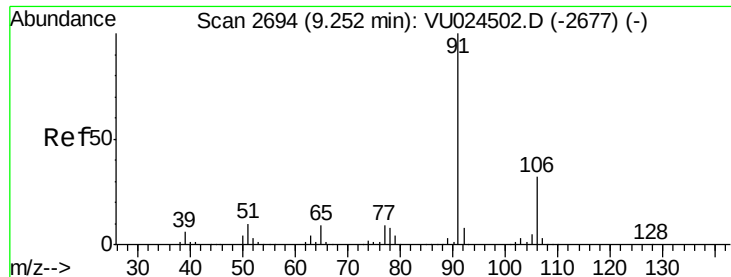
Tgt Ion:112 Resp: 126271
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.183 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion:131 Resp: 49168
Ion Ratio Lower Upper
131 100
133 92.2 46.9 140.8
119 62.4 33.5 100.4





#67

Ethyl Benzene

Concen: 20.206 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

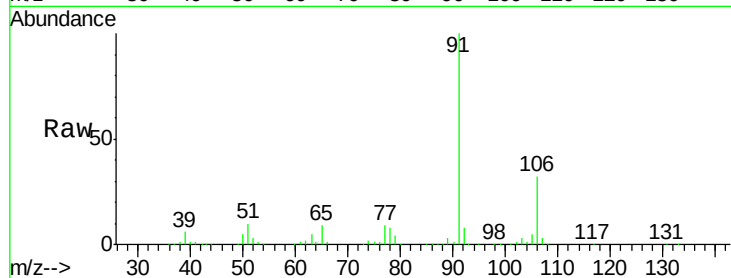
VU0630WBSD02

Tgt Ion: 91 Resp: 216409

Ion Ratio Lower Upper

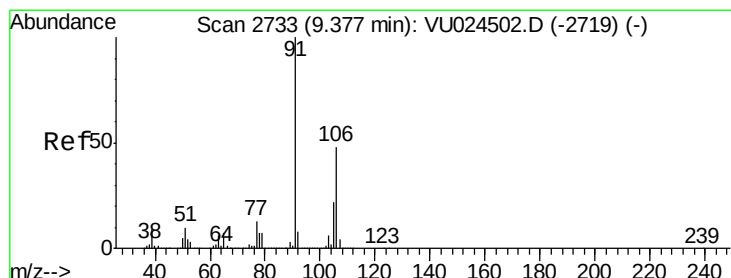
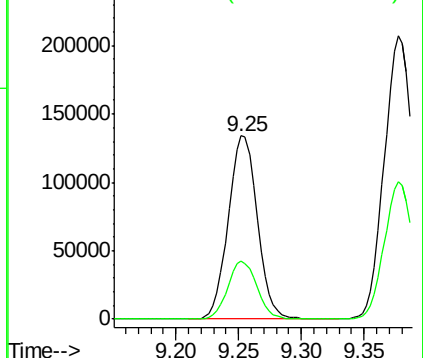
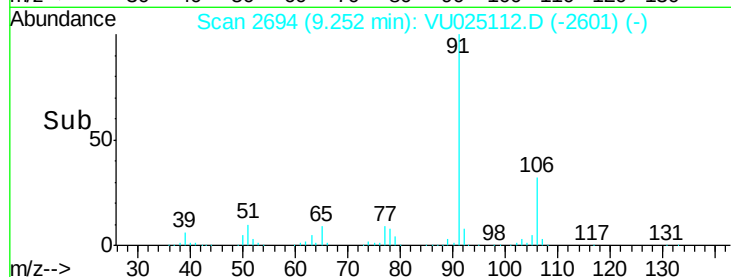
91 100

106 31.7 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU025112.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU025112.D (-2601) (-)



#68

m/p-Xylenes

Concen: 40.782 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025112.D

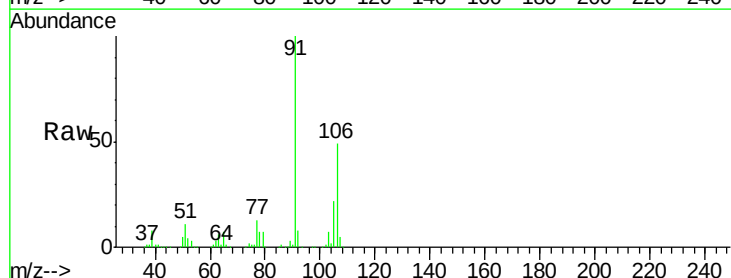
Acq: 01 Jul 2018 01:41

Tgt Ion: 106 Resp: 167722

Ion Ratio Lower Upper

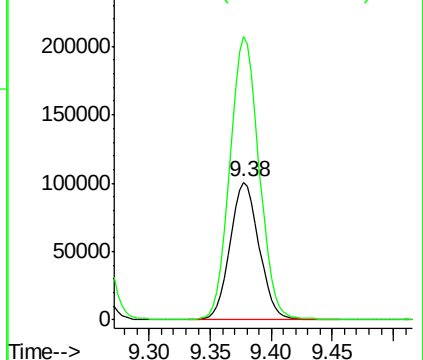
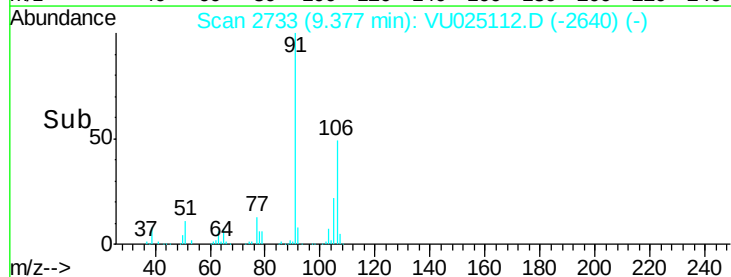
106 100

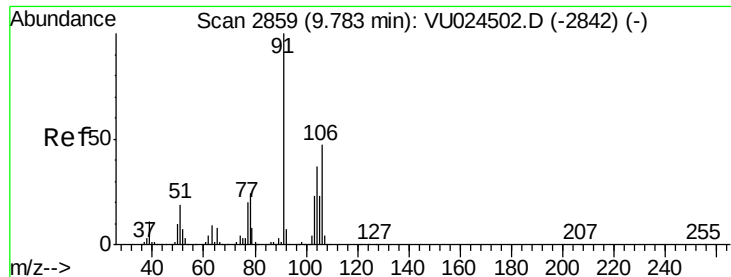
91 206.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU025112.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025112.D (-2640) (-)

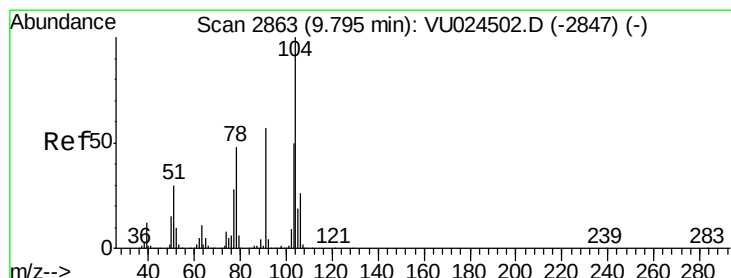
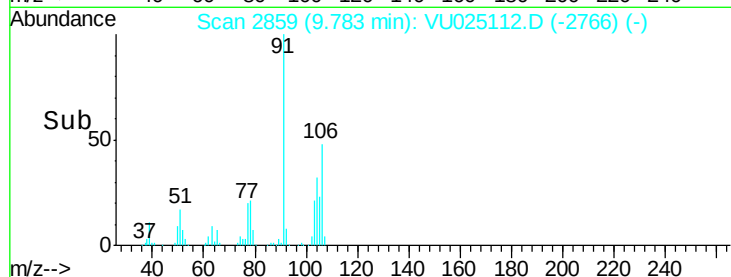
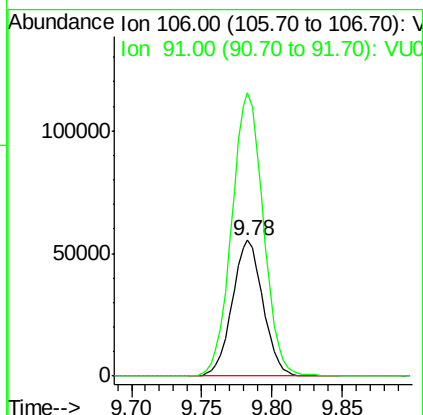
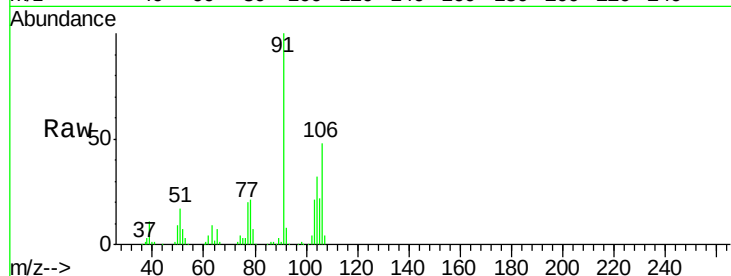




#69
o-Xylene
Concen: 20.820 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

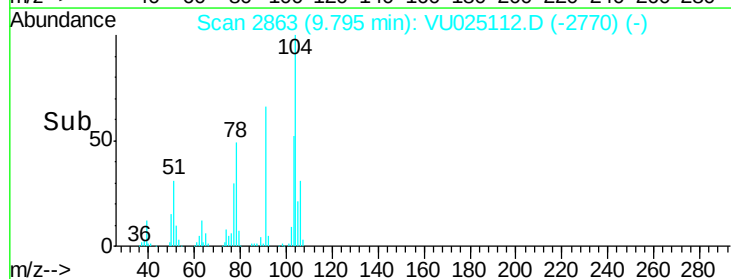
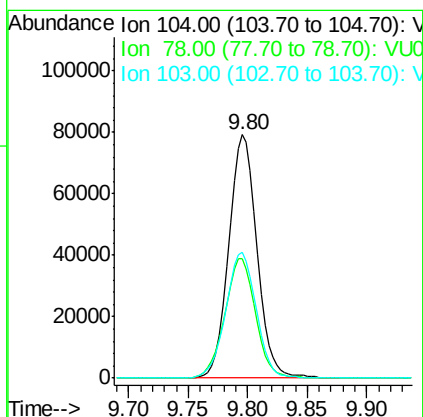
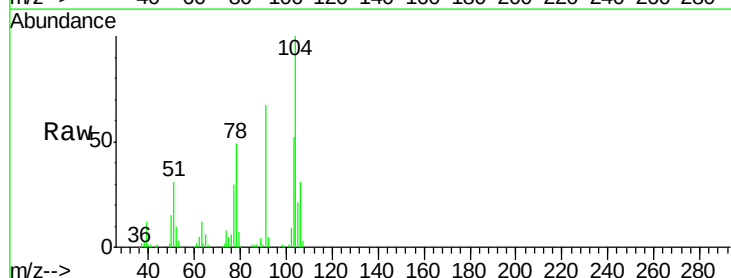
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

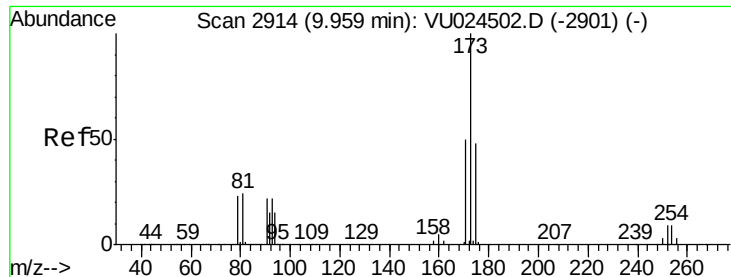
Tgt Ion:106 Resp: 84740
Ion Ratio Lower Upper
106 100
91 214.1 110.7 331.9



#70
Styrene
Concen: 19.456 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion:104 Resp: 130137
Ion Ratio Lower Upper
104 100
78 53.4 40.6 60.8
103 55.8 44.7 67.1





#71

Bromoform

Concen: 17.555 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

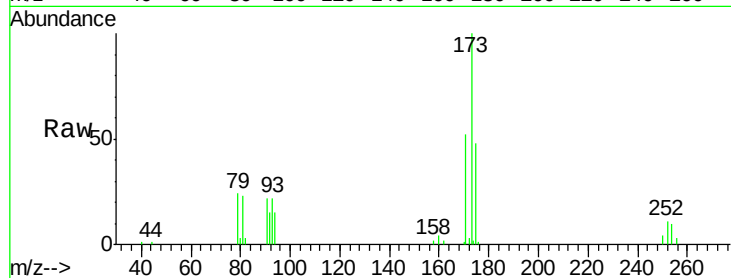
Tgt Ion:173 Resp: 38729

Ion Ratio Lower Upper

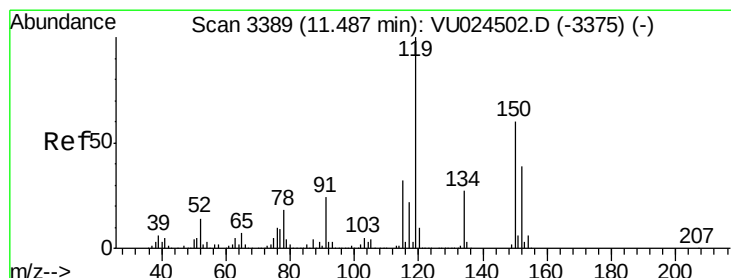
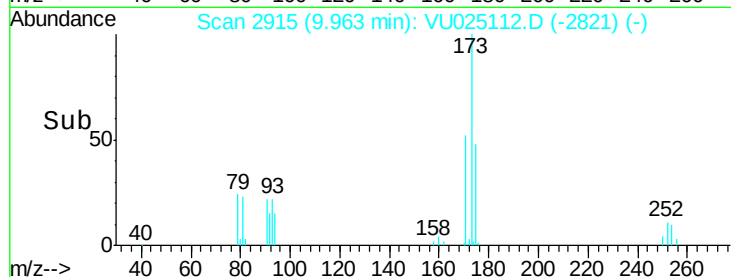
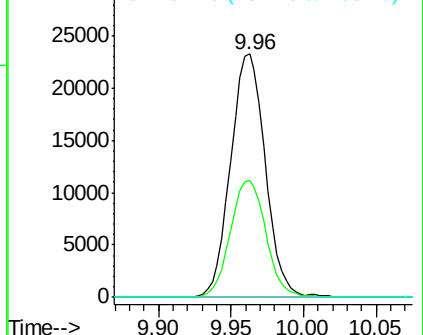
173 100

175 49.1 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: VU025112.D

Acq: 01 Jul 2018 01:41

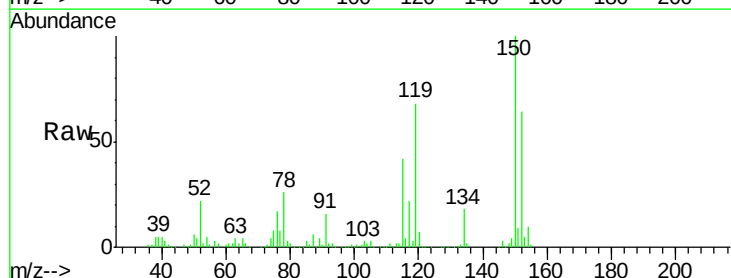
Tgt Ion:152 Resp: 135704

Ion Ratio Lower Upper

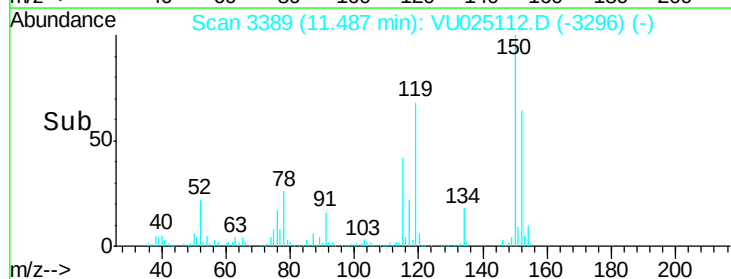
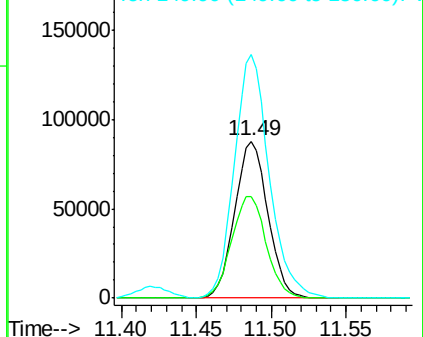
152 100

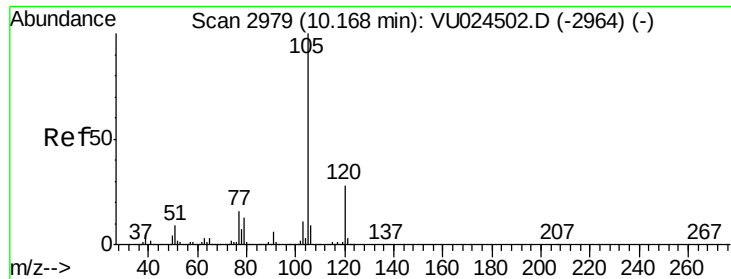
115 67.9 43.0 129.0

150 163.2 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: 21.525 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

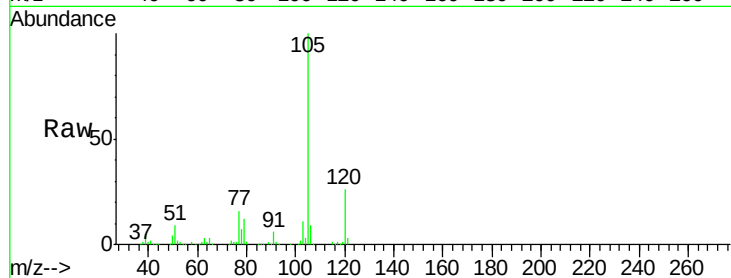
VU0630WBSD02

Tgt Ion: 105 Resp: 224261

Ion Ratio Lower Upper

105 100

120 26.7 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

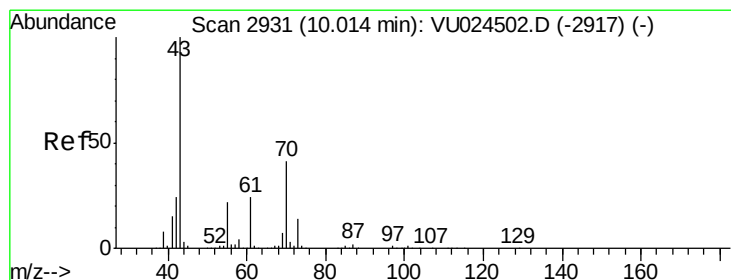
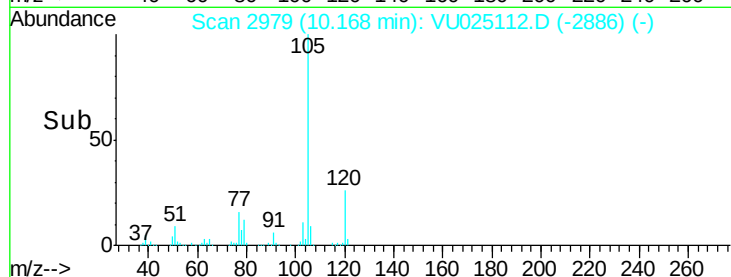
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.746 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Tgt Ion: 43 Resp: 92901

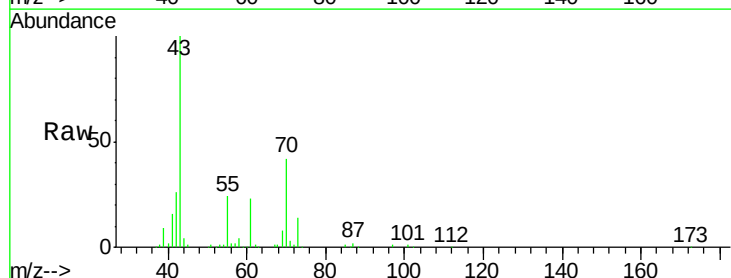
Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.4

55 24.5 20.5 30.7

61 23.1 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

10.01

80000

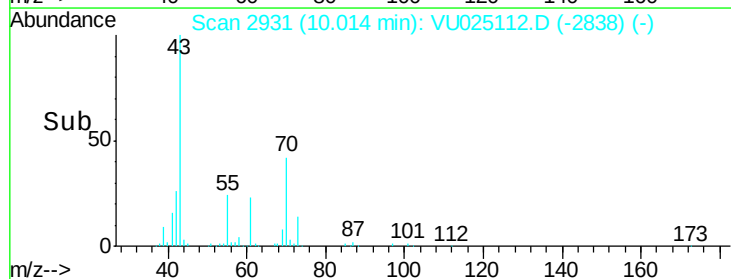
60000

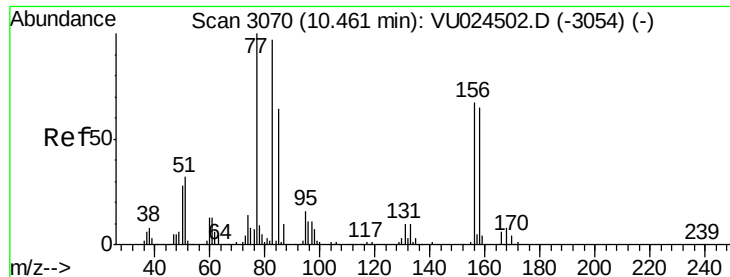
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.810 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

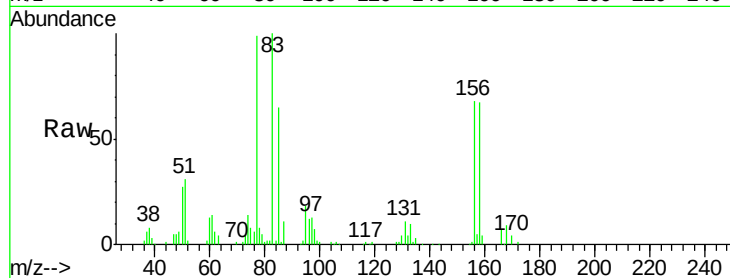
Tgt Ion: 83 Resp: 76148

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

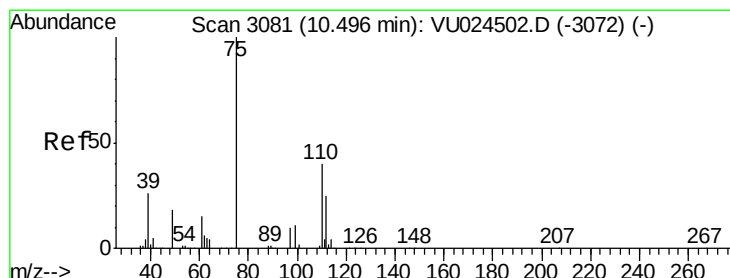
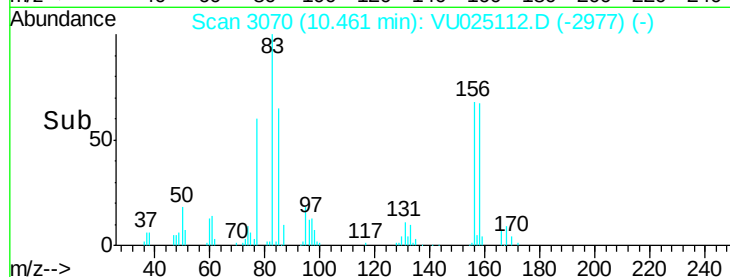
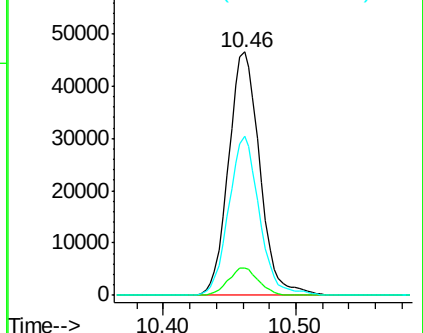
85 64.2 32.5 97.5



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: 29.140 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025112.D

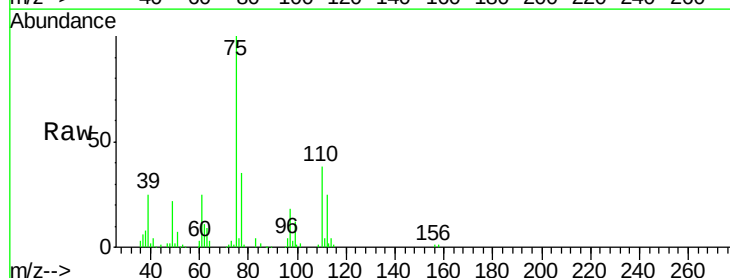
Acq: 01 Jul 2018 01:41

Tgt Ion: 75 Resp: 87063

Ion Ratio Lower Upper

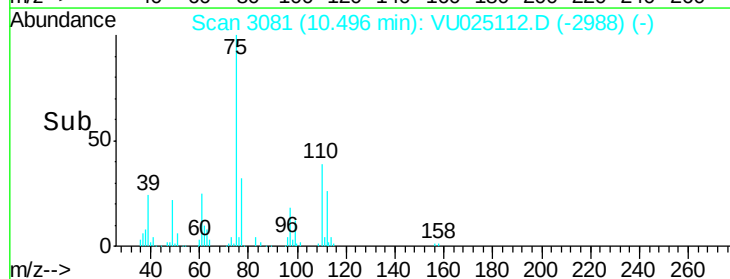
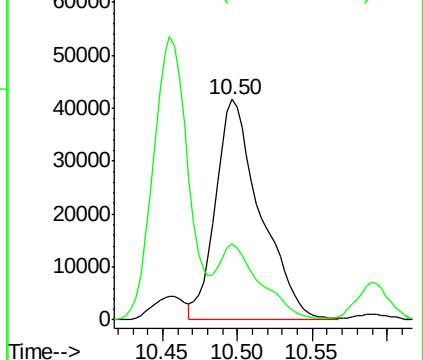
75 100

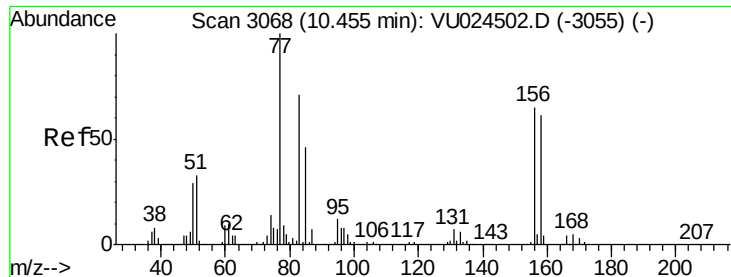
77 31.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 21.476 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

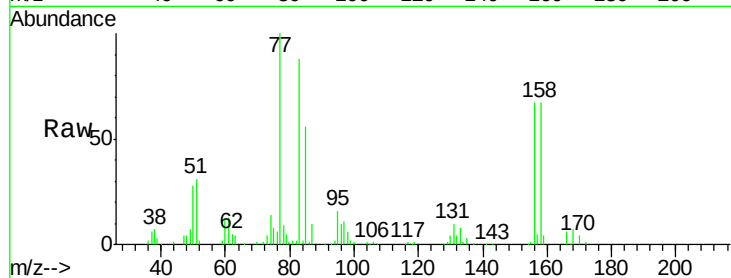
Tgt Ion:156 Resp: 56647

Ion Ratio Lower Upper

156 100

77 152.1 80.5 241.3

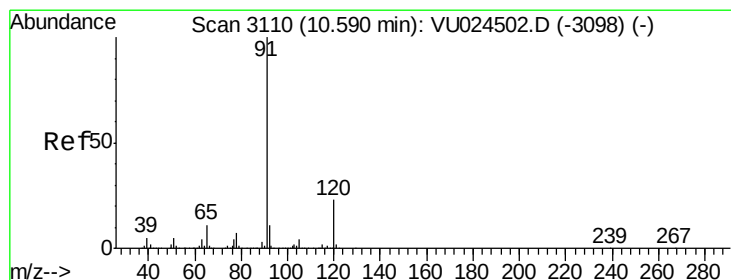
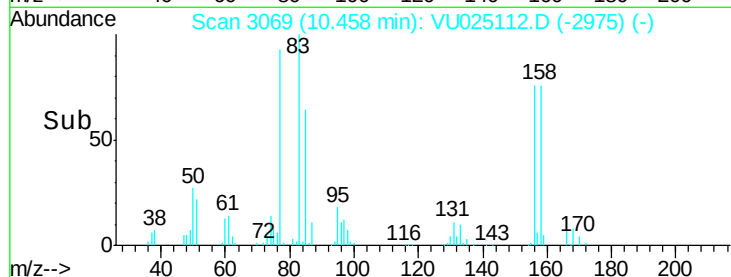
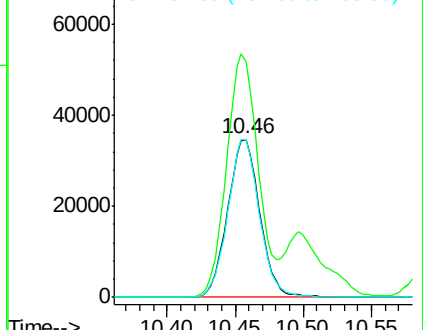
158 98.2 48.2 144.6



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: 20.107 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025112.D

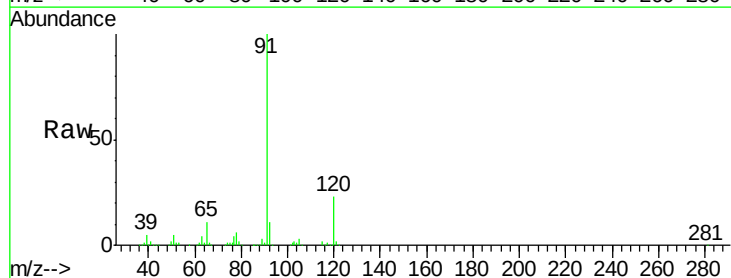
Acq: 01 Jul 2018 01:41

Tgt Ion: 91 Resp: 246773

Ion Ratio Lower Upper

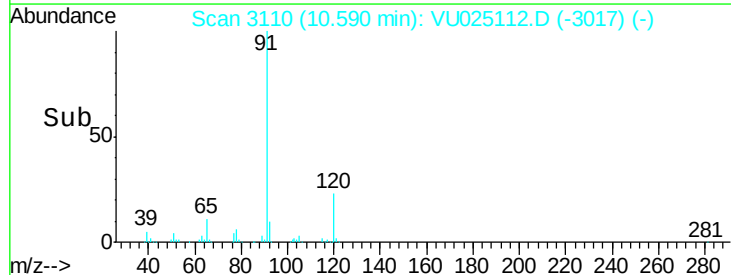
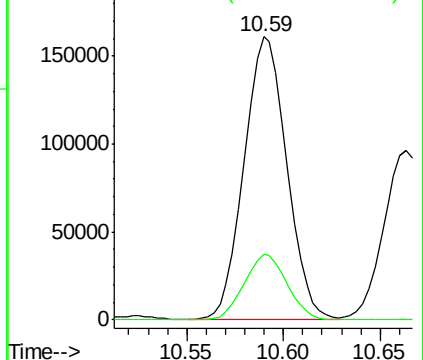
91 100

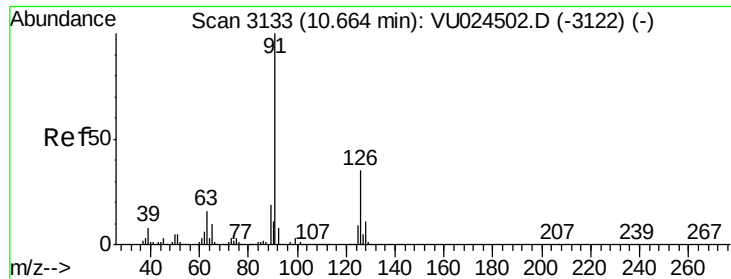
120 23.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.334 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

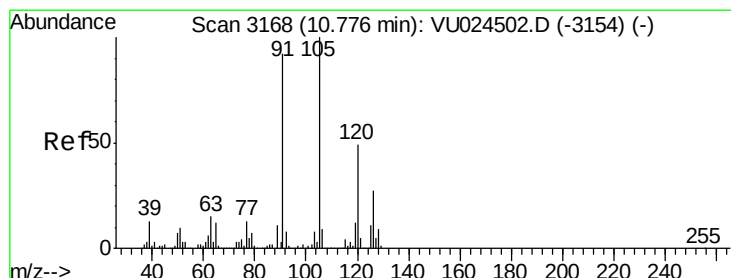
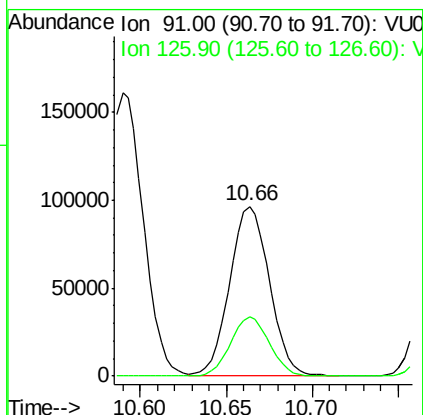
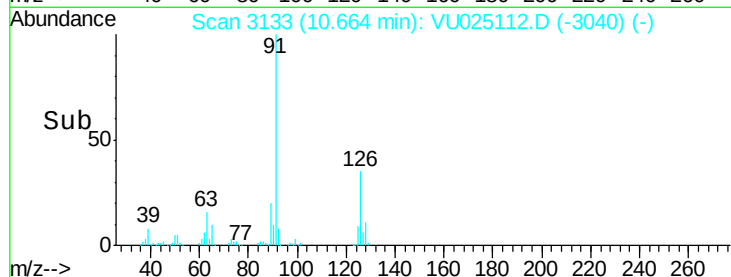
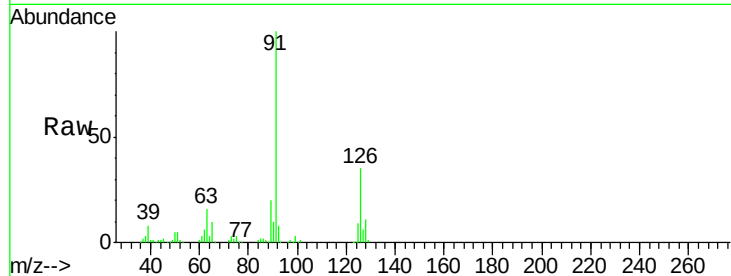
VU0630WBSD02

Tgt Ion: 91 Resp: 154411

Ion Ratio Lower Upper

91 100

126 34.4 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 20.922 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025112.D

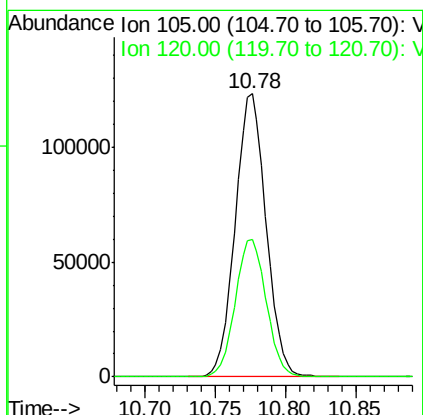
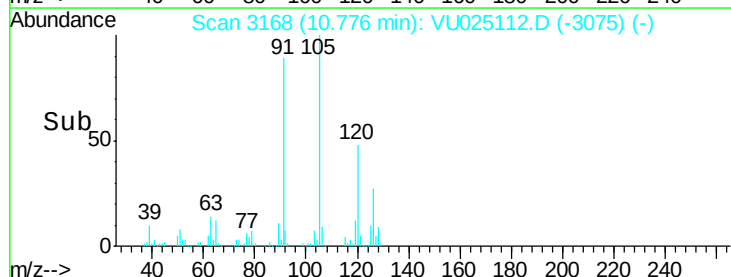
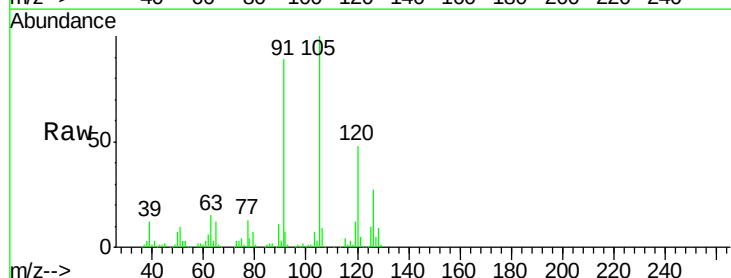
Acq: 01 Jul 2018 01:41

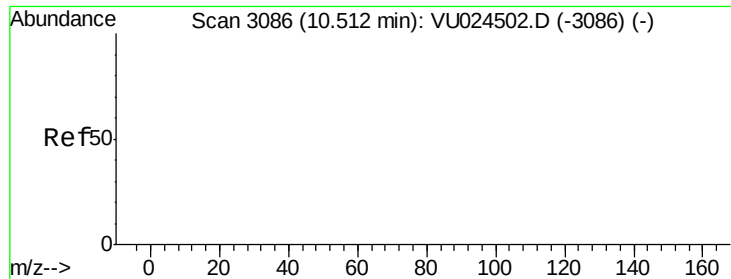
Tgt Ion: 105 Resp: 188938

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2

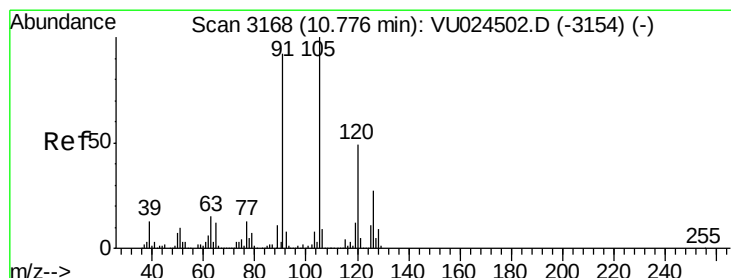
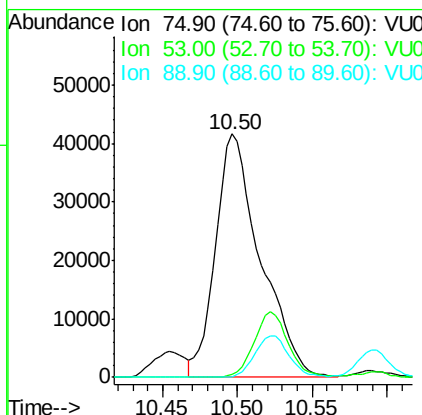
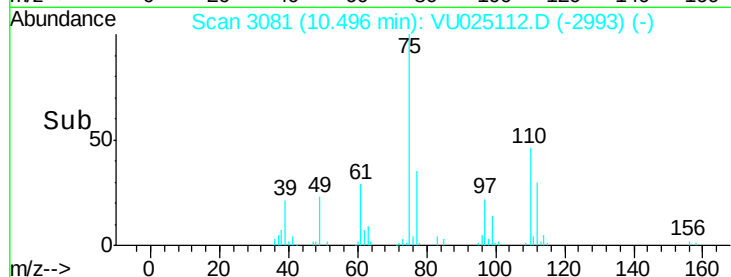
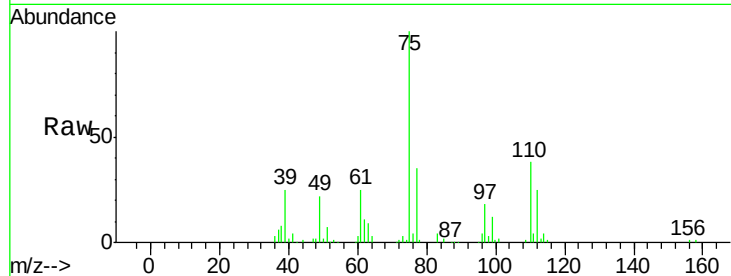




#81
trans-1,4-Dichloro-2-butene
Concen: 67.443 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

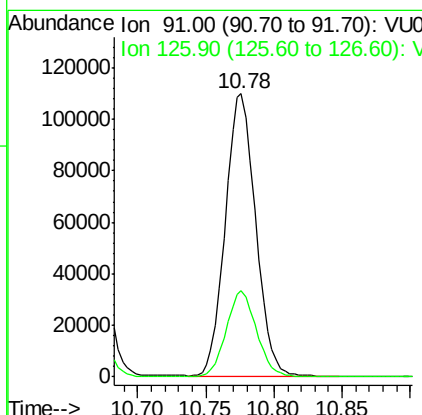
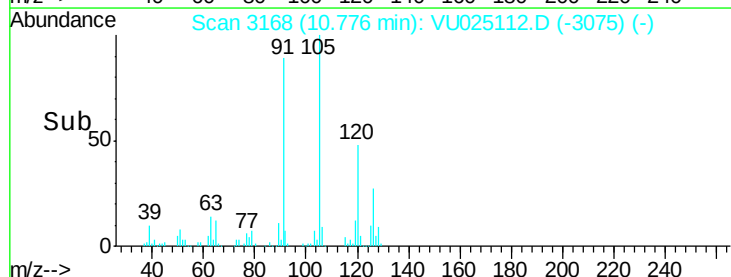
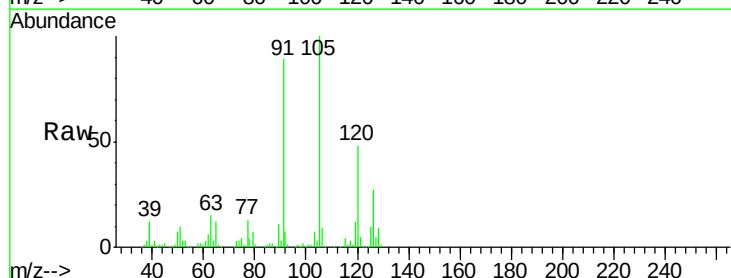
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBSD02

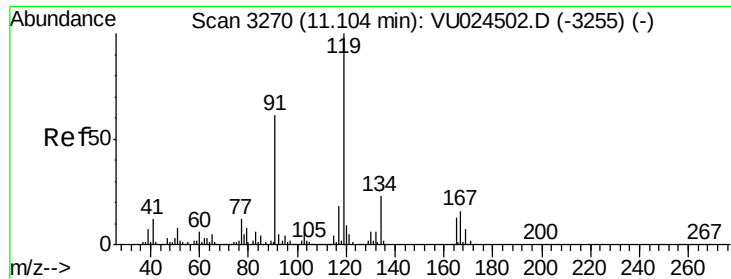
Tgt Ion: 75 Resp: 87063
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.151 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025112.D
Acq: 01 Jul 2018 01:41

Tgt Ion: 91 Resp: 169752
Ion Ratio Lower Upper
91 100
126 30.5 14.9 44.9

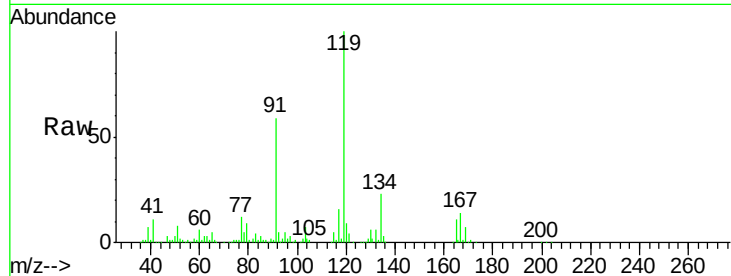




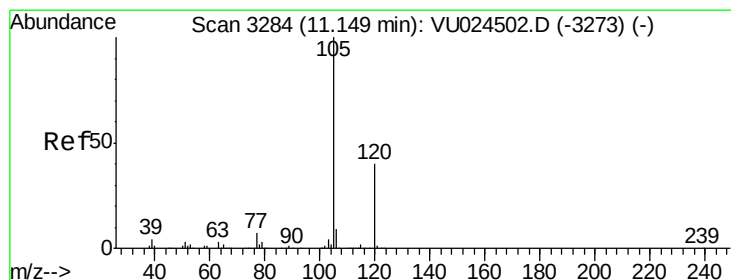
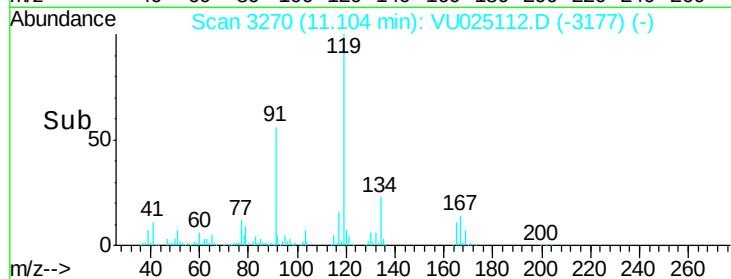
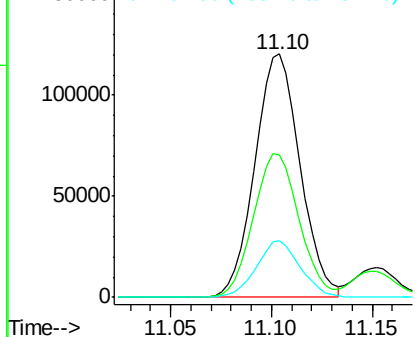
#83
 tert-Butylbenzene
 Concen: 21.688 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

Tgt Ion:119 Resp: 188396
 Ion Ratio Lower Upper
 119 100
 91 59.9 29.7 89.1
 134 22.6 11.6 34.7

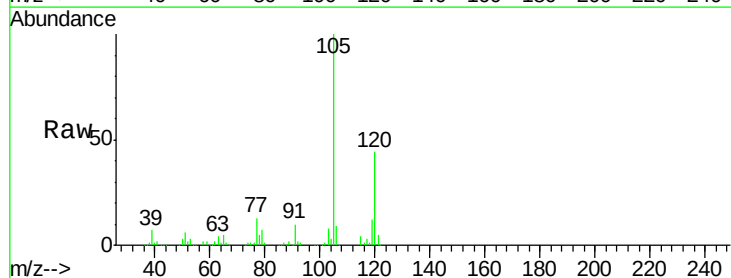


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

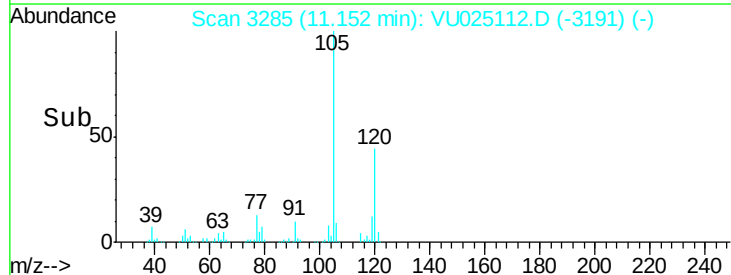
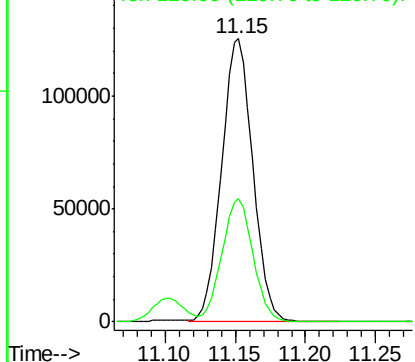


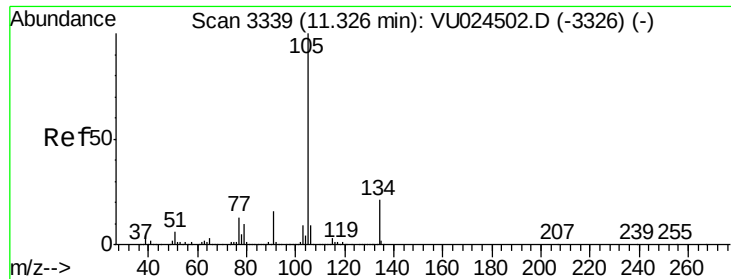
#84
 1,2,4-Trimethylbenzene
 Concen: 20.969 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion:105 Resp: 192975
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

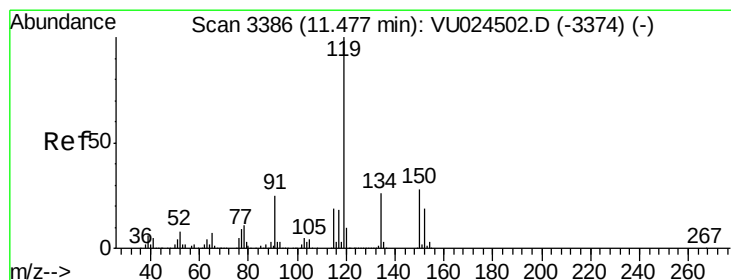
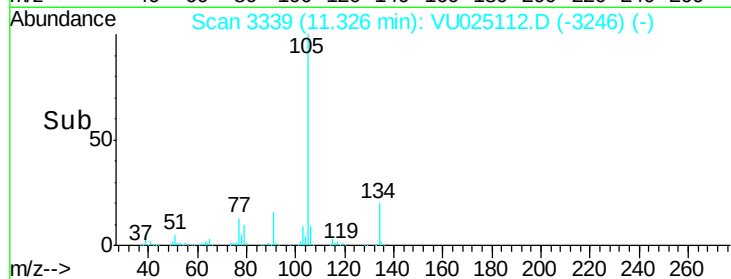
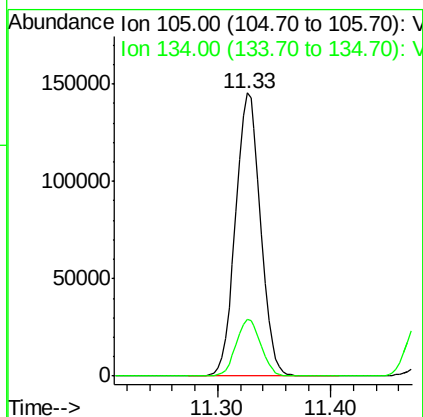
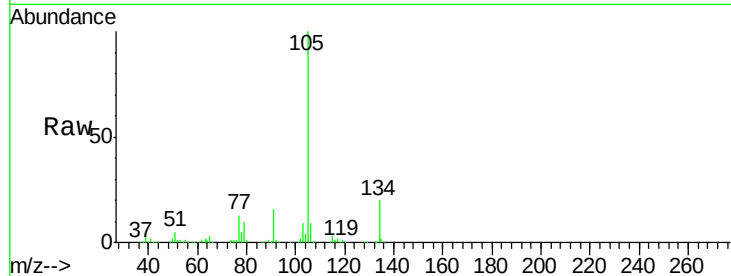




#85
 sec-Butylbenzene
 Concen: 20.561 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

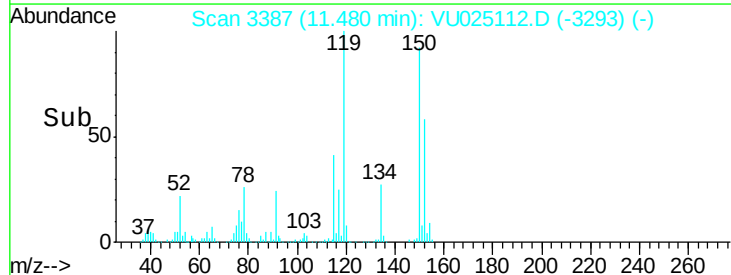
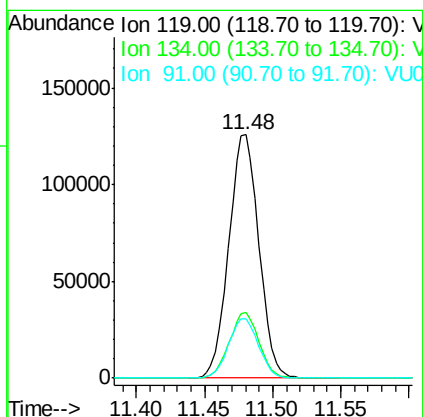
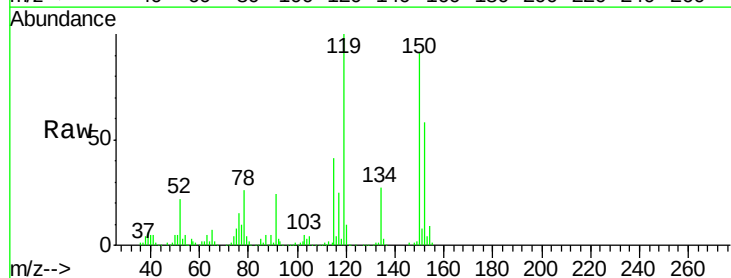
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

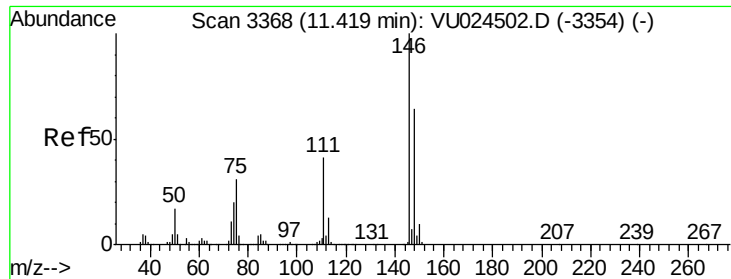
Tgt Ion:105 Resp: 223567
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 19.810 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion:119 Resp: 192920
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 24.5 12.0 36.1

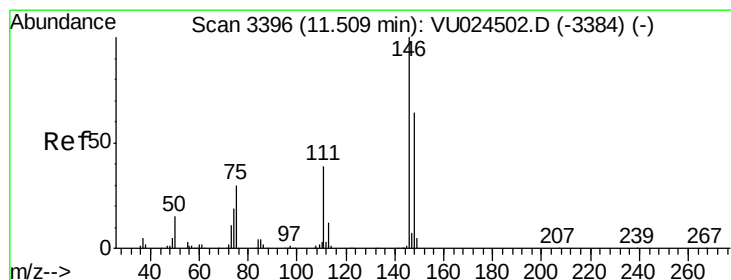
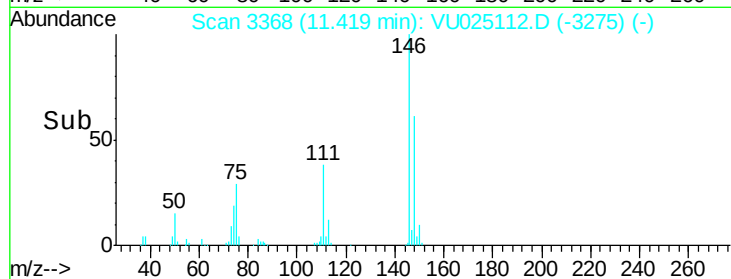
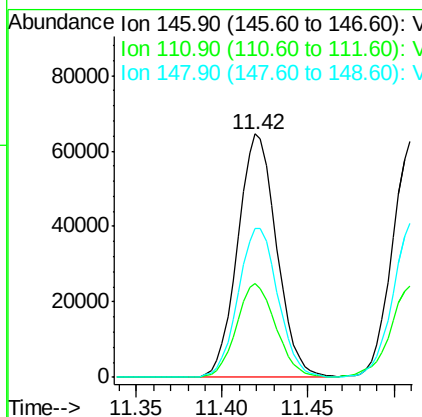
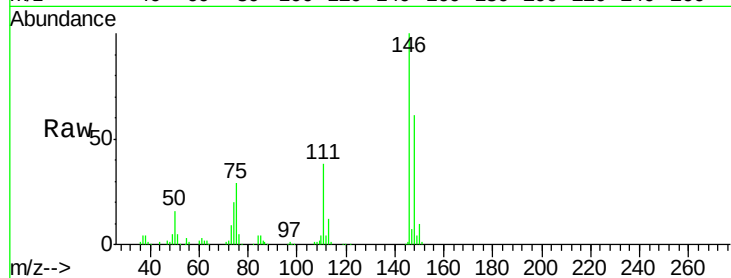




#87
 1,3-Dichlorobenzene
 Concen: 20.847 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

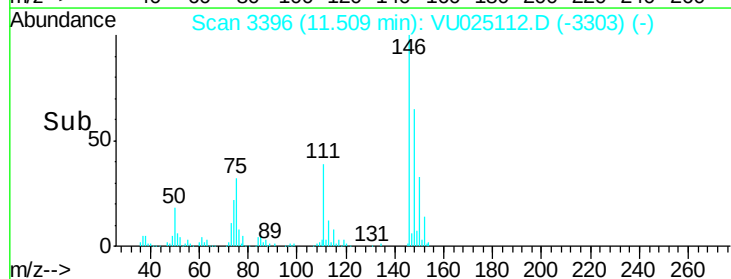
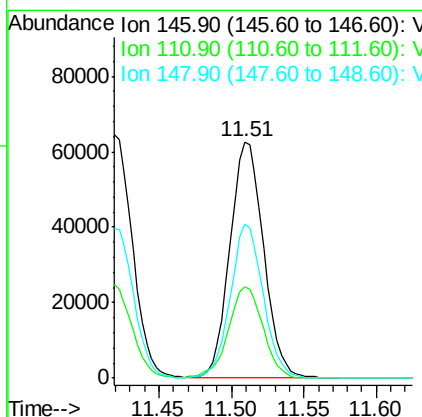
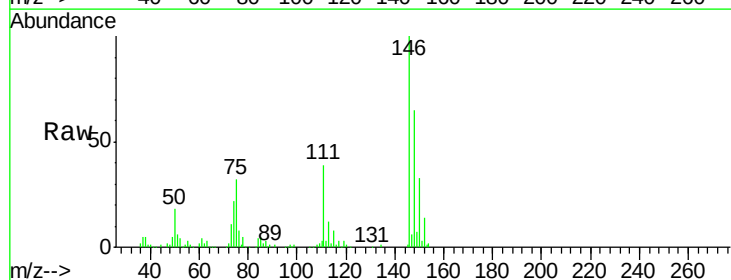
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

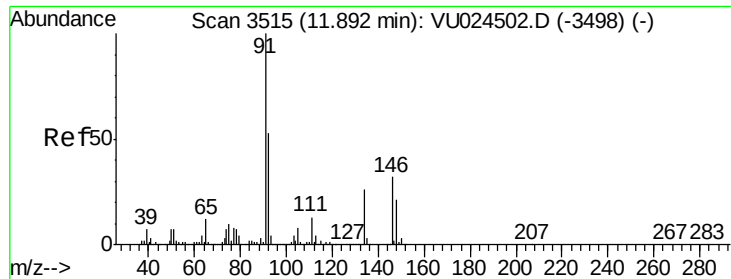
Tgt Ion:146 Resp: 101590
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.0 60.0
 148 62.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.644 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion:146 Resp: 101256
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.5 58.5
 148 63.3 32.4 97.0





#89

n-Butylbenzene

Concen: 16.885 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

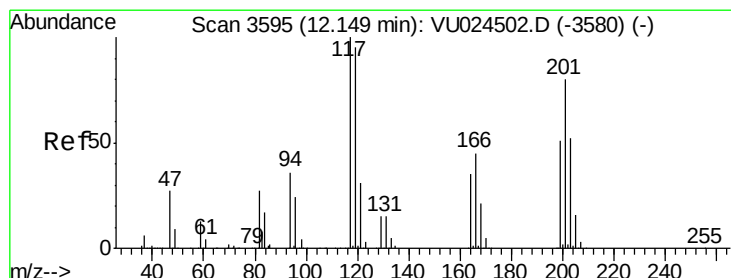
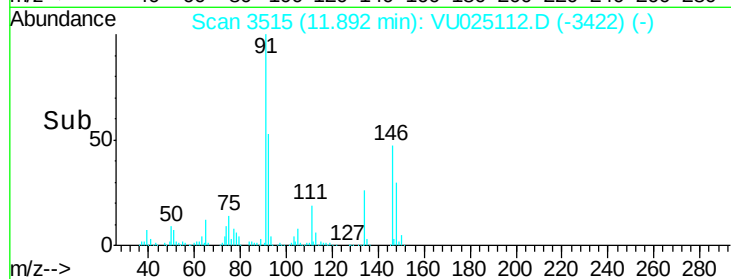
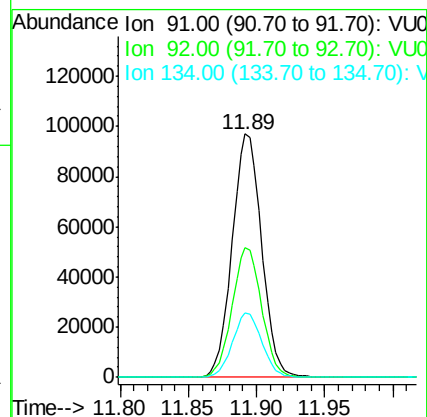
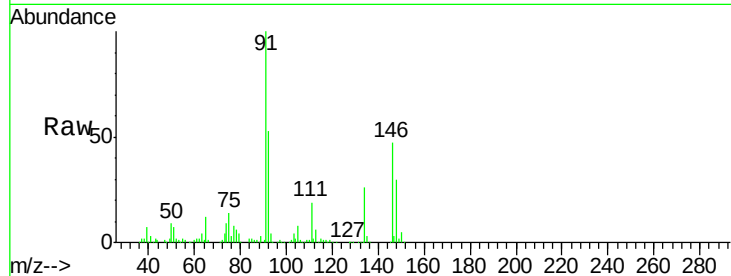
Tgt Ion: 91 Resp: 145983

Ion Ratio Lower Upper

91 100

92 53.0 25.6 76.8

134 26.3 12.3 36.8



#90

Hexachloroethane

Concen: 17.625 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025112.D

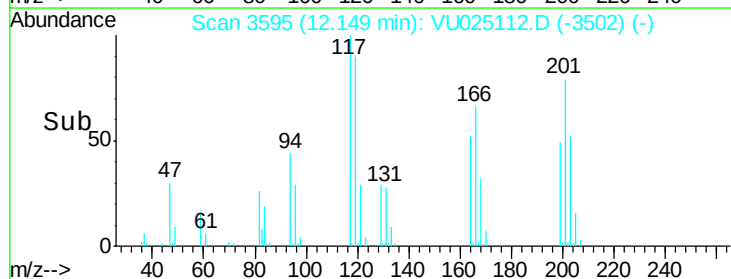
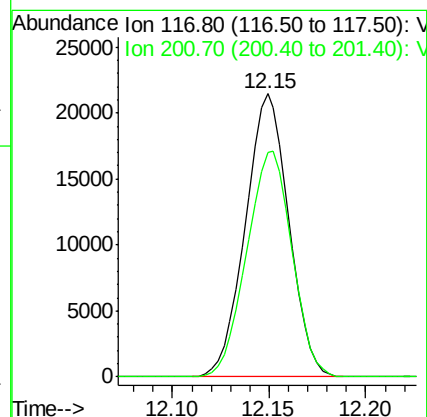
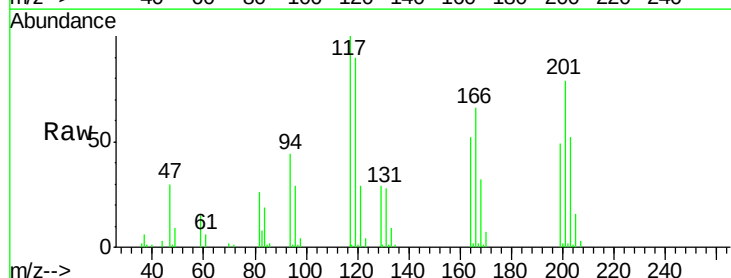
Acq: 01 Jul 2018 01:41

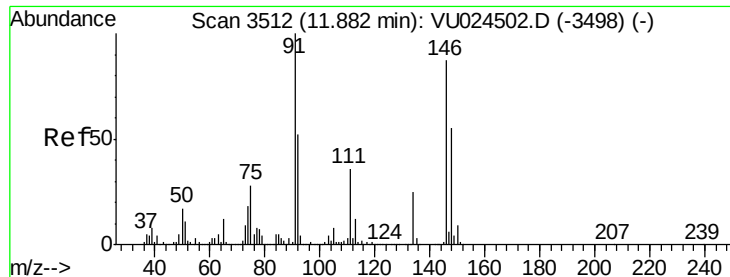
Tgt Ion: 117 Resp: 33482

Ion Ratio Lower Upper

117 100

201 83.2 41.1 123.3

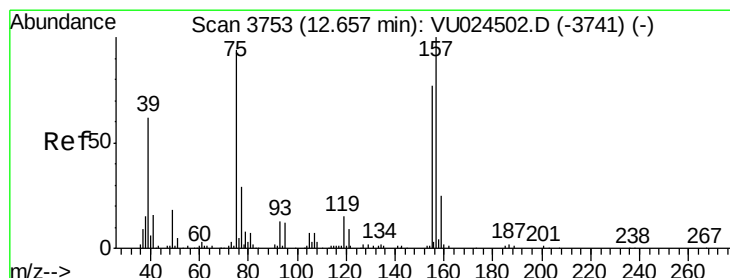
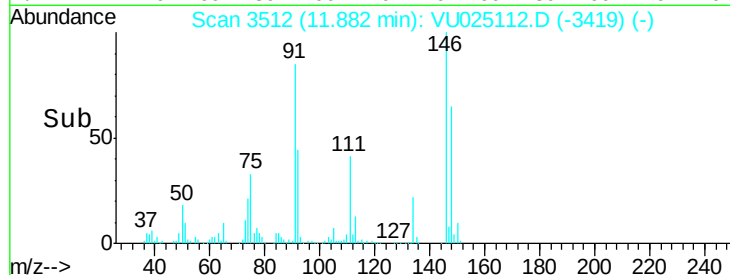
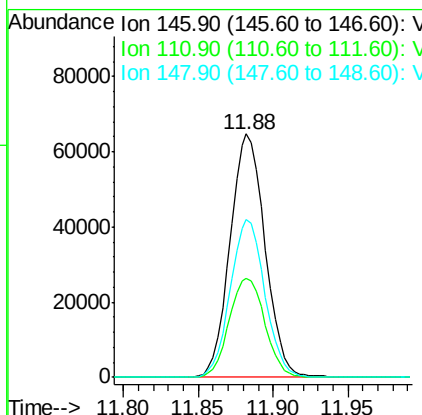
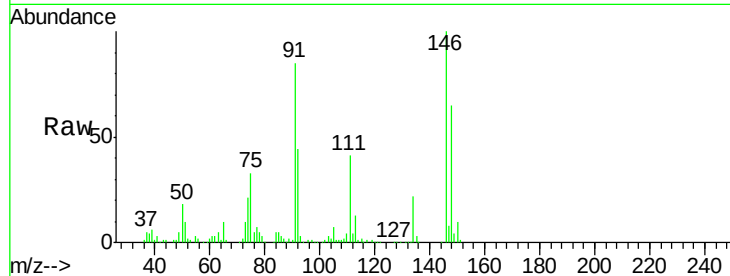




#91
 1,2-Dichlorobenzene
 Concen: 21.549 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

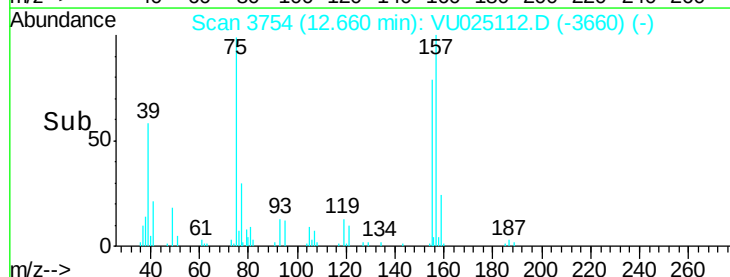
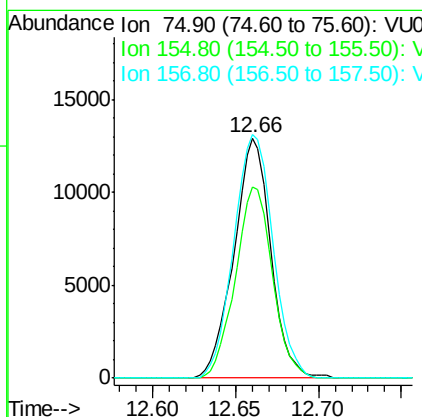
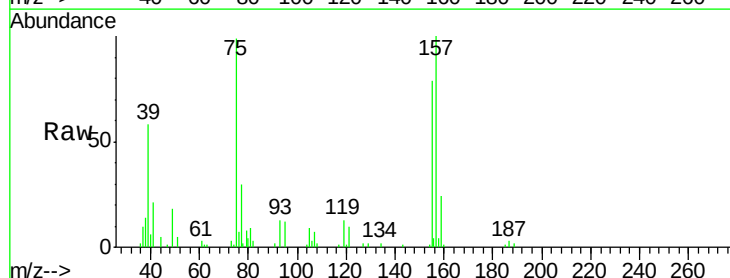
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

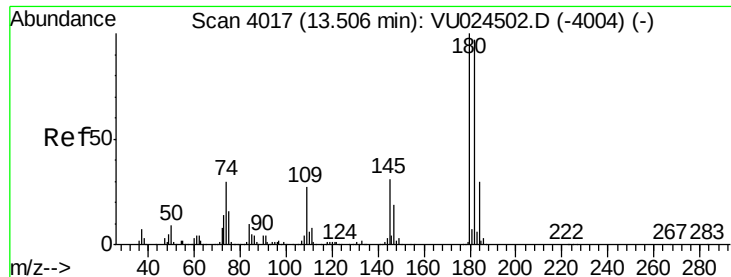
Tgt Ion: 146 Resp: 105179
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.6
 148 64.2 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.750 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion: 75 Resp: 19990
 Ion Ratio Lower Upper
 75 100
 155 79.8 40.4 121.2
 157 107.9 52.3 156.8

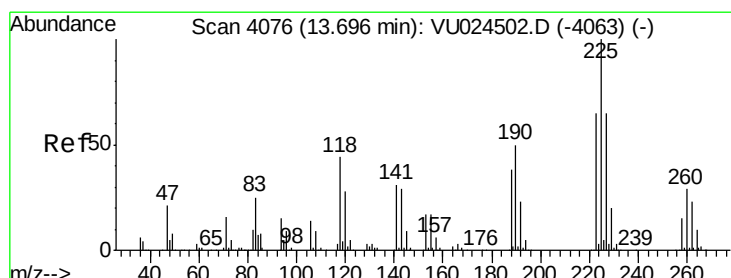
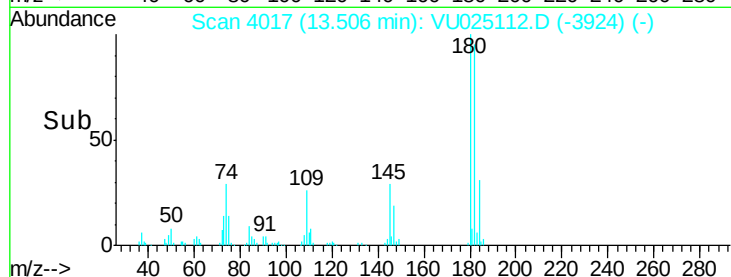
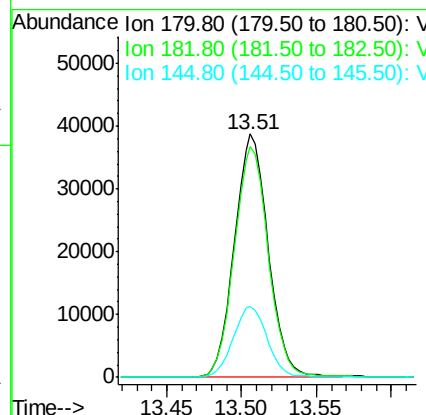
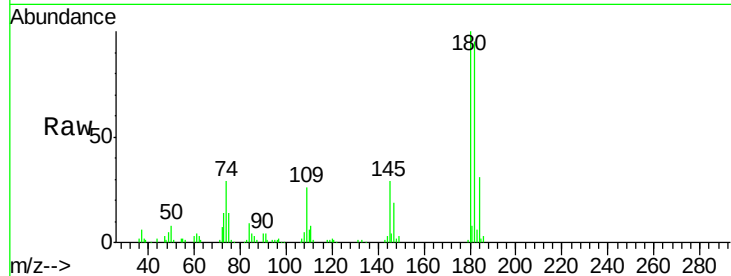




#93
 1,2,4-Trichlorobenzene
 Concen: 20.256 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

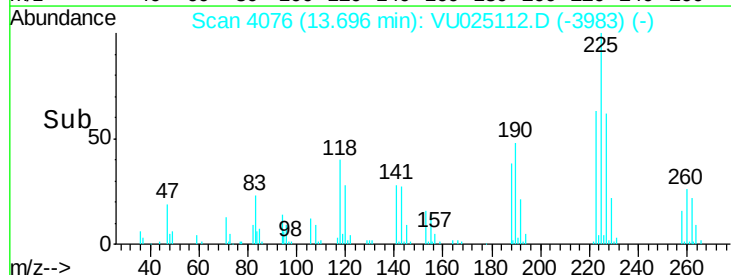
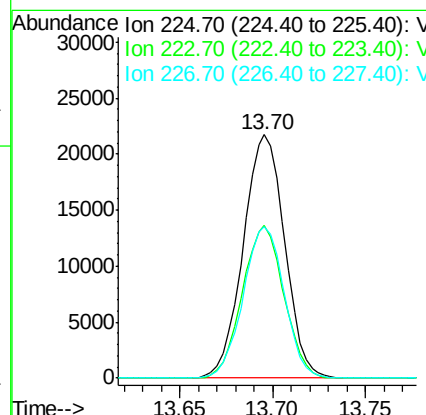
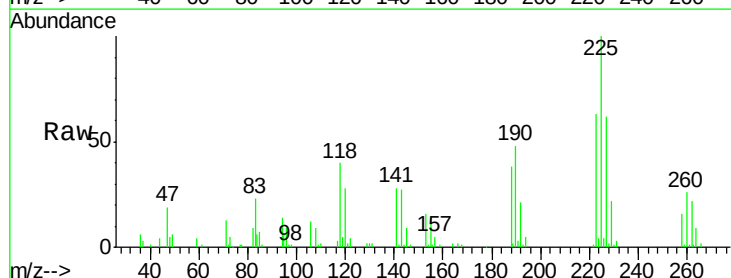
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBSD02

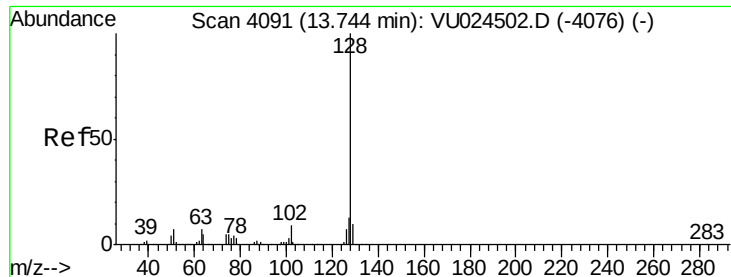
Tgt Ion:180 Resp: 61054
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 29.3 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 19.832 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025112.D
 Acq: 01 Jul 2018 01:41

Tgt Ion:225 Resp: 33646
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.3 93.8
 227 61.7 31.8 95.4





#95

Naphthalene

Concen: 21.460 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBSD02

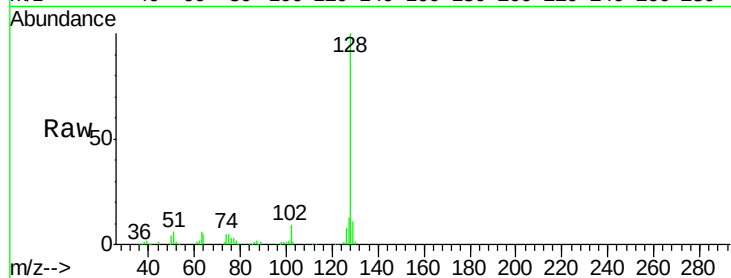
Tgt Ion:128 Resp: 210212

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

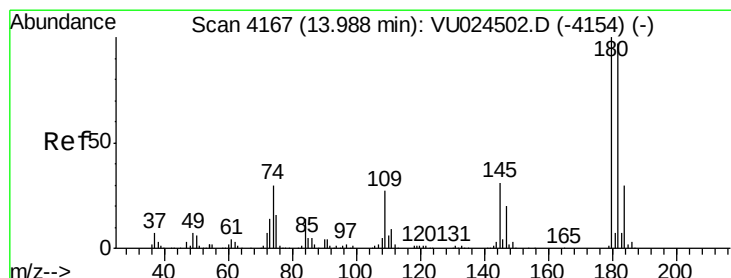
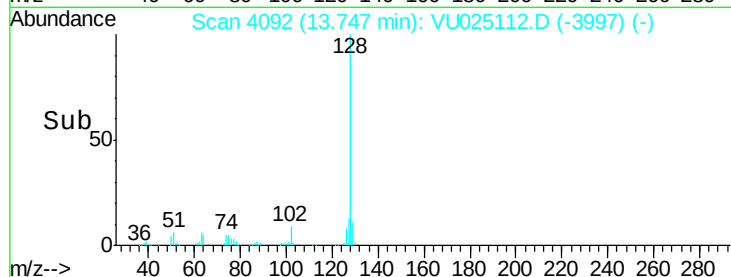
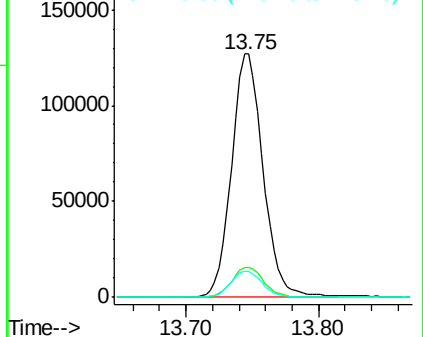
129 10.9 8.6 12.8



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: 21.909 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025112.D

Acq: 01 Jul 2018 01:41

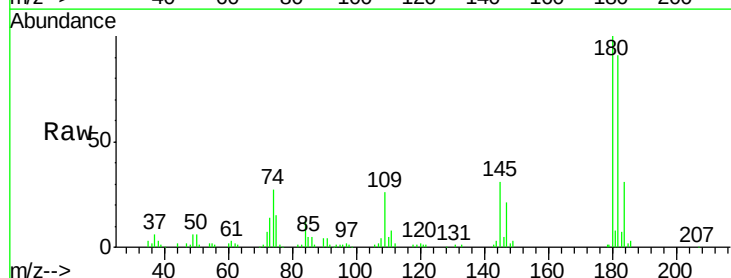
Tgt Ion:180 Resp: 65803

Ion Ratio Lower Upper

180 100

182 94.2 47.9 143.7

145 31.1 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

