

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025680.D
 Acq On : 27 Jul 2018 19:36
 Operator : MD/SY
 Sample : VN0727WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Quant Time: Jul 28 03:43:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	166118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	250137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134396	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	4.89	113	108877	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	7.57	98	394103	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.31	95	148612	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	55259	22.01	ug/l	96
3) Chloromethane	1.33	50	47368	19.74	ug/l	97
4) Vinyl Chloride	1.40	62	45400	20.10	ug/l	98
5) Bromomethane	1.63	94	22727	20.60	ug/l	99
6) Chloroethane	1.70	64	26397	19.99	ug/l	100
7) Trichlorofluoromethane	1.89	101	67694	20.73	ug/l	94
8) Diethyl Ether	2.10	74	23794	20.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36677	19.41	ug/l	99
10) Methyl Iodide	2.41	142	25692	20.67	ug/l	99
11) Tert butyl alcohol	2.83	59	62545	110.37	ug/l	99
12) 1,1-Dichloroethene	2.28	96	33890	19.00	ug/l	95
13) Acrolein	2.19	56	18658	89.61	ug/l	97
14) Allyl chloride	2.59	41	61293	19.12	ug/l	96
15) Acrylonitrile	2.94	53	124709	110.22	ug/l	99
16) Acetone	2.32	43	117487	93.10	ug/l	99
17) Carbon Disulfide	2.48	76	111786	19.37	ug/l	100
18) Methyl Acetate	2.62	43	70135	23.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	131745	20.38	ug/l	100
20) Methylene Chloride	2.70	84	43901	19.63	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41015	19.89	ug/l	96
22) Diisopropyl ether	3.58	45	129858	20.56	ug/l	95
23) Vinyl Acetate	3.53	43	571987	103.91	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78885	20.81	ug/l	100
25) 2-Butanone	4.27	43	181809	105.84	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61583	17.87	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	46609	20.05	ug/l	97
28) Bromochloromethane	4.55	49	36605	21.59	ug/l	99
29) Tetrahydrofuran	4.64	42	114429	111.19	ug/l	98
30) Chloroform	4.68	83	80922	20.22	ug/l	98
31) Cyclohexane	5.00	56	68305	19.90	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	75514	20.96	ug/l	98
36) 1,1-Dichloropropene	5.14	75	60473	19.98	ug/l	99
37) Ethyl Acetate	4.39	43	65579	20.90	ug/l	99
38) Carbon Tetrachloride	5.14	117	65666	19.16	ug/l	96

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Quant Time: Jul 28 03:43:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66181	19.09	ug/l	98
40) Benzene	5.39	78	172005	19.45	ug/l	99
41) Methacrylonitrile	4.55	41	36916	21.18	ug/l	99
42) 1,2-Dichloroethane	5.41	62	67897	19.94	ug/l	100
43) Isopropyl Acetate	5.55	43	103432	19.95	ug/l	99
44) Trichloroethene	6.19	130	48862	19.84	ug/l	96
45) 1,2-Dichloropropane	6.44	63	45878	19.89	ug/l	94
46) Dibromomethane	6.56	93	33220	19.87	ug/l	97
47) Bromodichloromethane	6.76	83	61897	19.41	ug/l	91
48) Methyl methacrylate	6.63	41	52950	20.84	ug/l	99
49) 1,4-Dioxane	6.62	88	25344	409.83	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	338460	104.27	ug/l	100
52) Toluene	7.64	92	109510	19.93	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	67771	18.93	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	71496	19.44	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	43847	19.20	ug/l	99
56) Ethyl methacrylate	8.02	69	64877	19.88	ug/l	98
57) 1,3-Dichloropropane	8.25	76	74912	19.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	137308	97.38	ug/l	100
59) 2-Hexanone	8.36	43	264288	103.86	ug/l	98
60) Dibromochloromethane	8.48	129	51384	19.08	ug/l	98
61) 1,2-Dibromoethane	8.59	107	50516	19.89	ug/l	100
64) Tetrachloroethene	8.23	164	42672	19.38	ug/l	98
65) Chlorobenzene	9.12	112	126761	19.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45347	19.44	ug/l	96
67) Ethyl Benzene	9.25	91	207047	19.38	ug/l	100
68) m/p-Xylenes	9.38	106	162690	39.67	ug/l	99
69) o-Xylene	9.78	106	78110	19.49	ug/l	99
70) Styrene	9.80	104	126819	19.59	ug/l	99
71) Bromoform	9.96	173	38604	19.08	ug/l	# 98
73) Isopropylbenzene	10.17	105	213462	20.02	ug/l	99
74) N-amyl acetate	10.02	43	91109	20.93	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	74941	20.32	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	86189	25.04	ug/l	87
77) Bromobenzene	10.46	156	57652	19.60	ug/l	99
78) n-propylbenzene	10.59	91	247826	19.91	ug/l	99
79) 2-Chlorotoluene	10.66	91	145951	20.02	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	181476	20.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	86189	62.79	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	173074	20.14	ug/l	99
83) tert-Butylbenzene	11.10	119	176349	19.60	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	184384	20.09	ug/l	97
85) sec-Butylbenzene	11.33	105	217758	19.82	ug/l	100
86) p-Isopropyltoluene	11.48	119	196112	19.94	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	106819	19.57	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	109013	19.16	ug/l	99
89) n-Butylbenzene	11.89	91	179368	19.76	ug/l	98
90) Hexachloroethane	12.15	117	31649	18.10	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	103404	19.32	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18334	20.97	ug/l	98

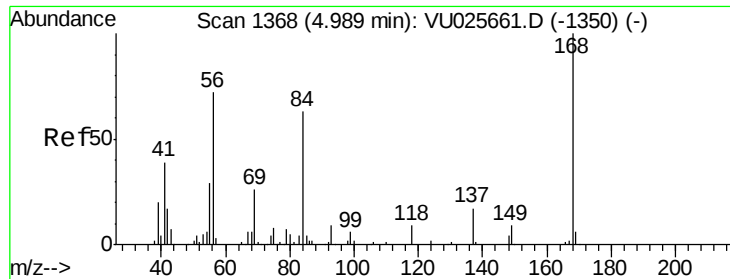
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025680.D
Acq On : 27 Jul 2018 19:36
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Quant Time: Jul 28 03:43:22 2018
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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72416	20.05	ug/l	99
94) Hexachlorobutadiene	13.70	225	36323	19.08	ug/l	96
95) Naphthalene	13.75	128	218852	19.64	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	74382	20.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

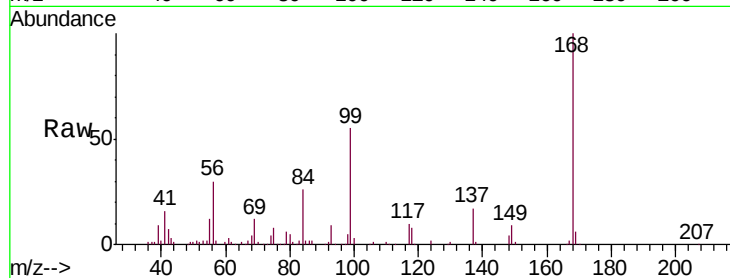
VU0727WBSD01

Tot Ion:168 Resp: 166118

Ion Ratio Lower Upper

168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025680.D (-1275) (-)

4.99

80000

60000

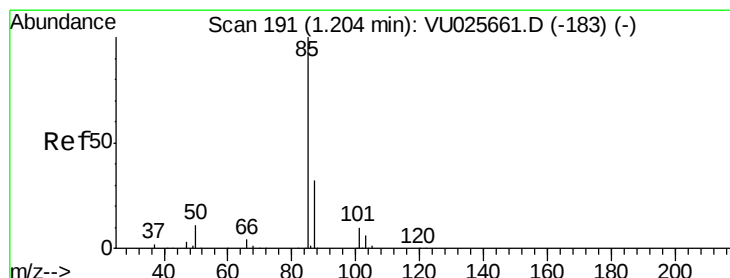
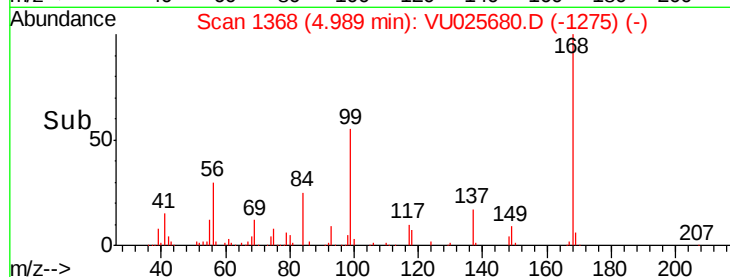
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.01 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025680.D

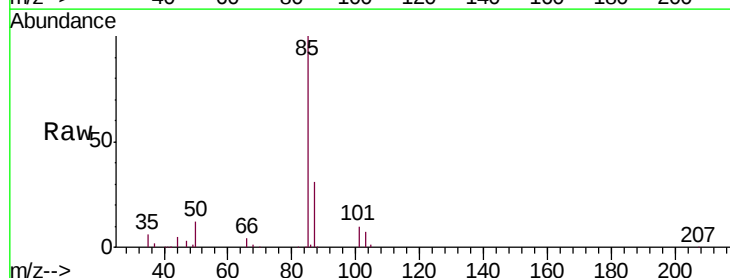
Acq: 27 Jul 2018 19:36

Tgt Ion: 85 Resp: 55259

Ion Ratio Lower Upper

85 100

87 30.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025680.D (-98) (-)

1.21

60000

50000

40000

30000

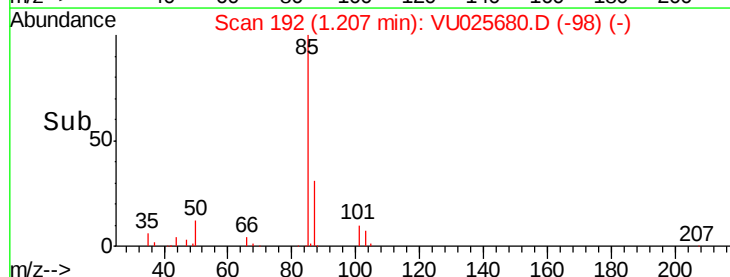
20000

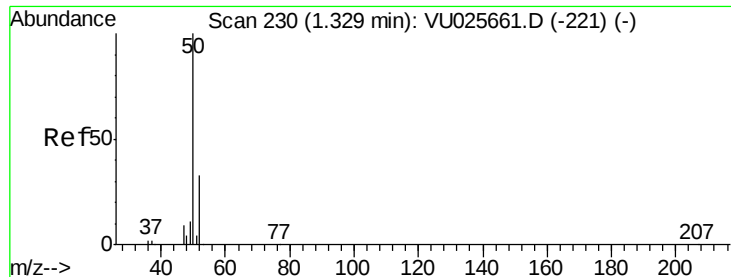
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.74 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

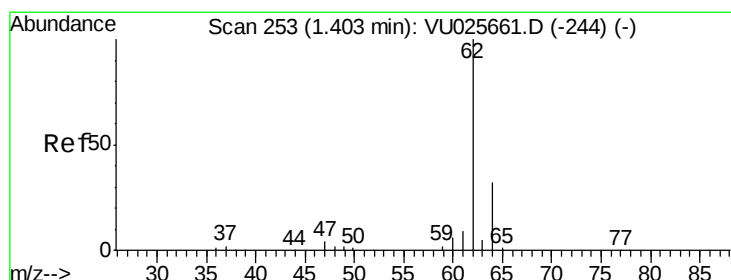
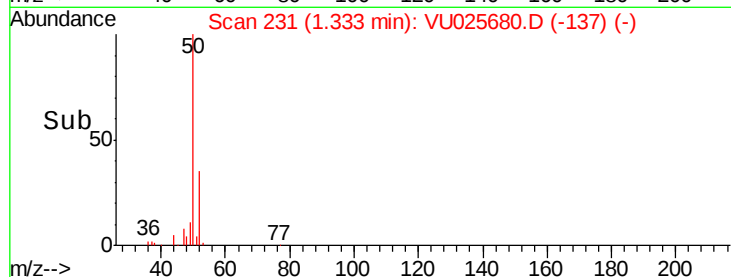
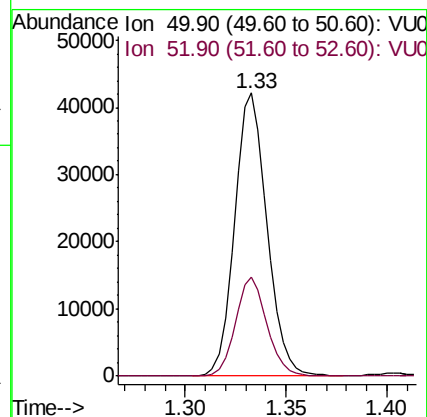
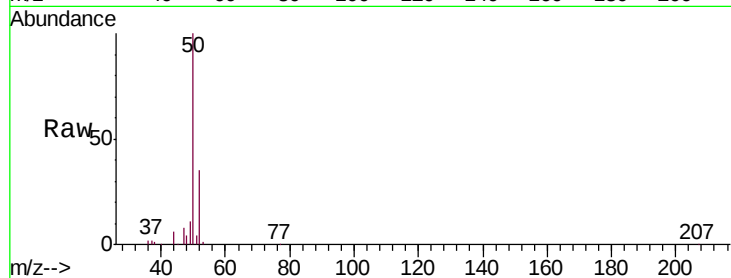
VU0727WBSD01

Tot Ion: 50 Resp: 47368

Ion Ratio Lower Upper

50 100

52 35.1 26.5 39.7



#4

Vinyl Chloride

Concen: 20.10 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025680.D

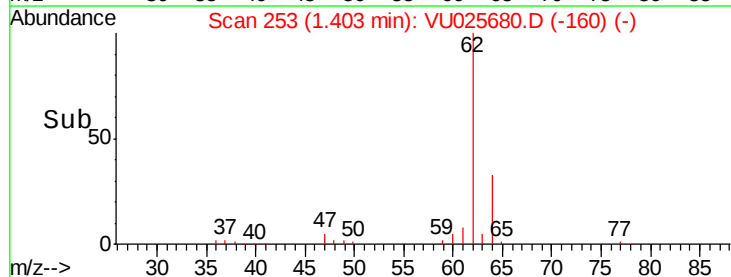
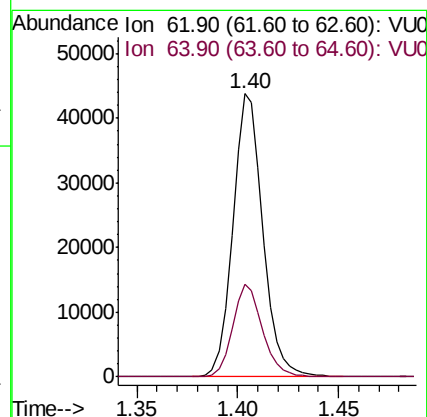
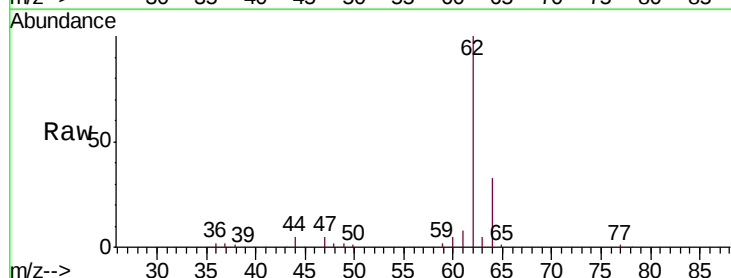
Acq: 27 Jul 2018 19:36

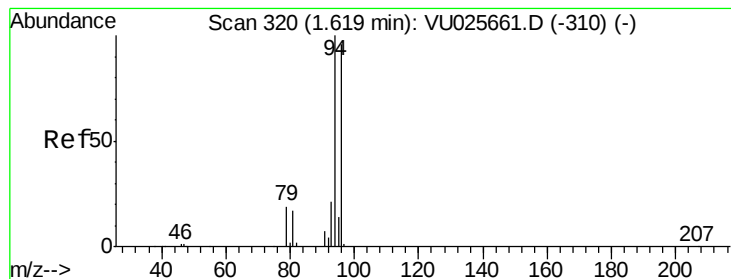
Tgt Ion: 62 Resp: 45400

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0





#5

Bromomethane

Concen: 20.60 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

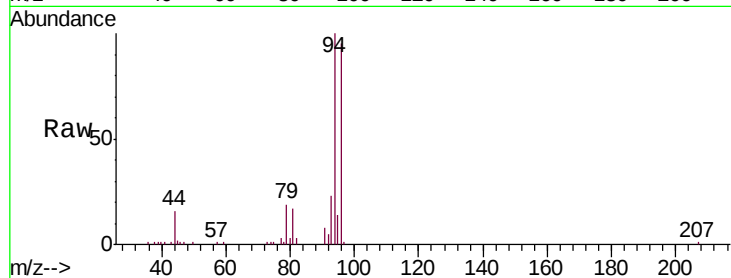
VU0727WBSD01

Tot Ion: 94 Resp: 22727

Ion Ratio Lower Upper

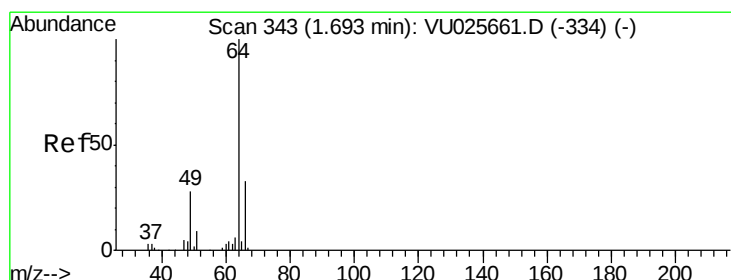
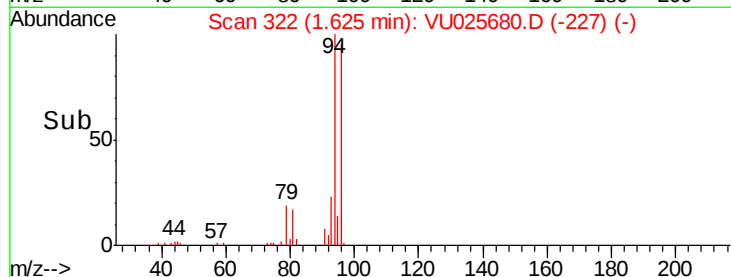
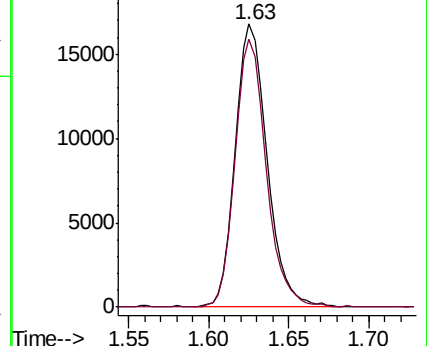
94 100

96 94.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.99 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025680.D

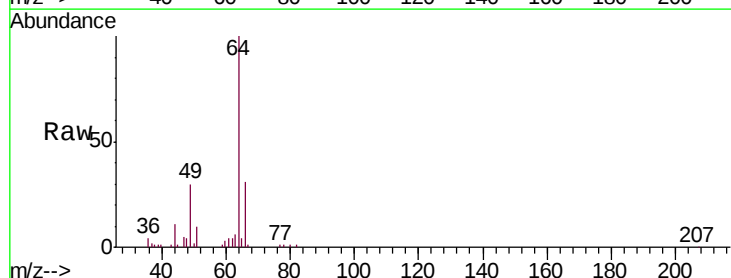
Acq: 27 Jul 2018 19:36

Tgt Ion: 64 Resp: 26397

Ion Ratio Lower Upper

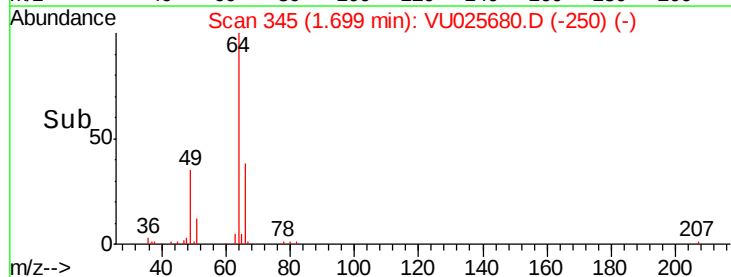
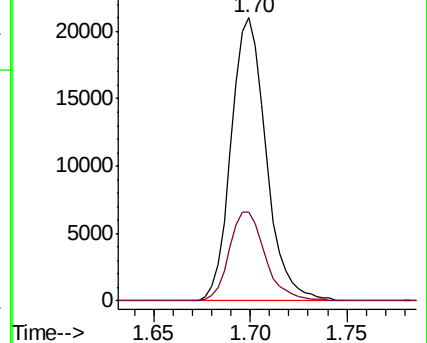
64 100

66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



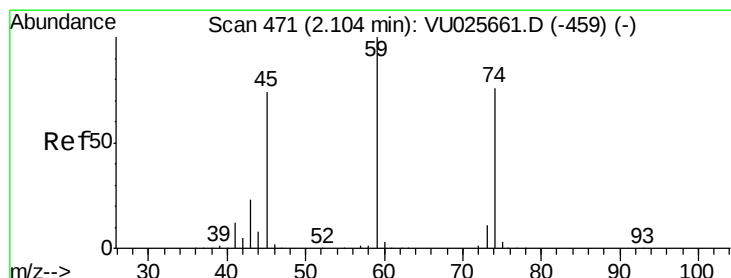
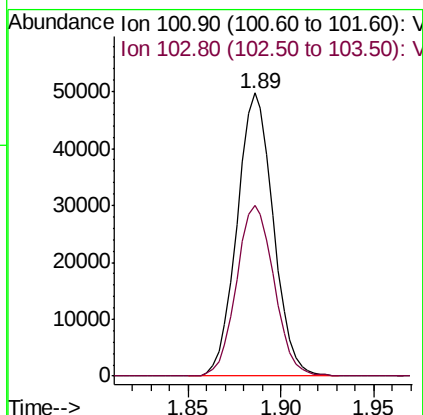
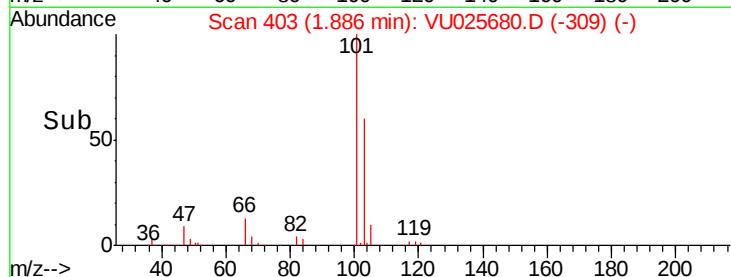
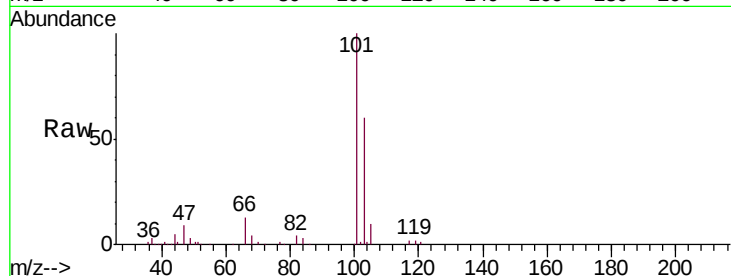


#7

Trichlorofluoromethane
 Concen: 20.73 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

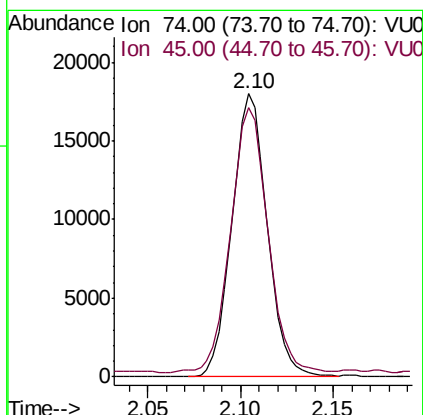
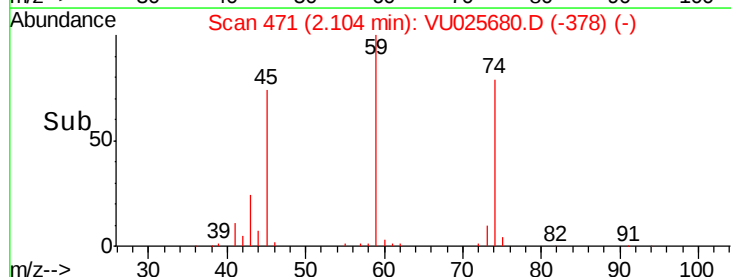
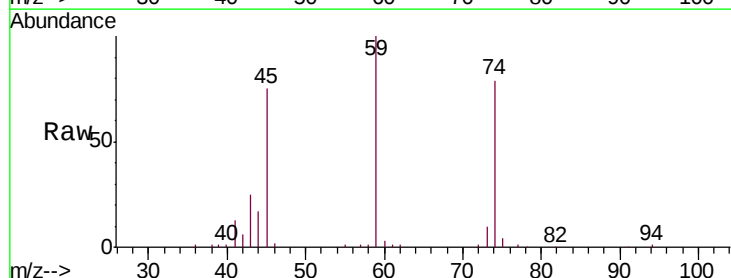
Tot Ion:101 Resp: 67694
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.2 78.2

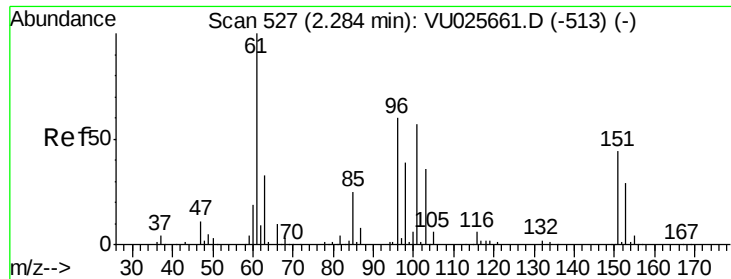


#8

Diethyl Ether
 Concen: 20.14 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion: 74 Resp: 23794
 Ion Ratio Lower Upper
 74 100
 45 98.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.41 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

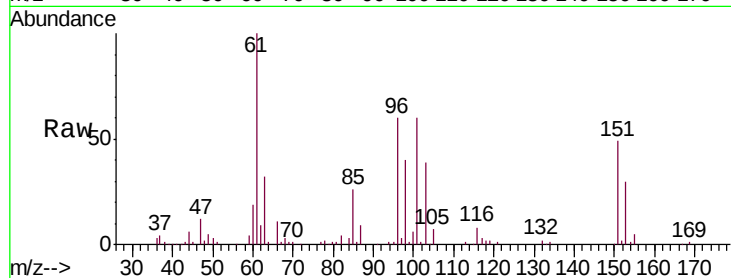
Tot Ion:101 Resp: 36677

Ion Ratio Lower Upper

101 100

85 44.2 36.0 54.0

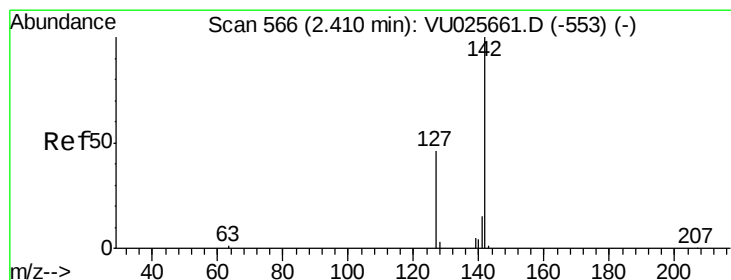
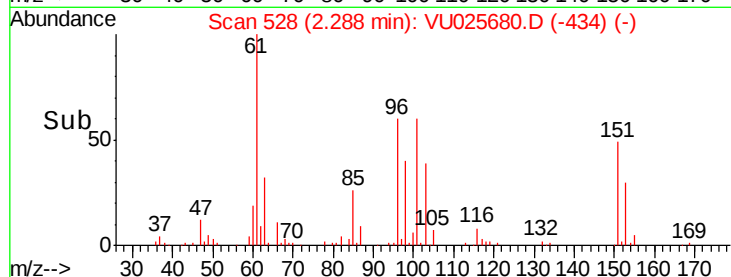
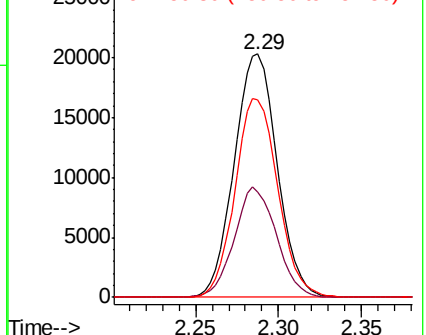
151 81.4 65.6 98.4



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: 20.67 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

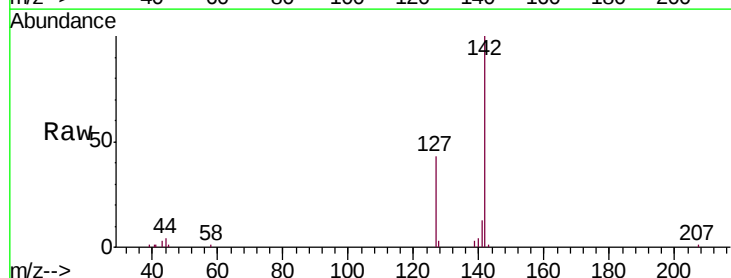
Tgt Ion:142 Resp: 25692

Ion Ratio Lower Upper

142 100

127 46.7 36.5 54.7

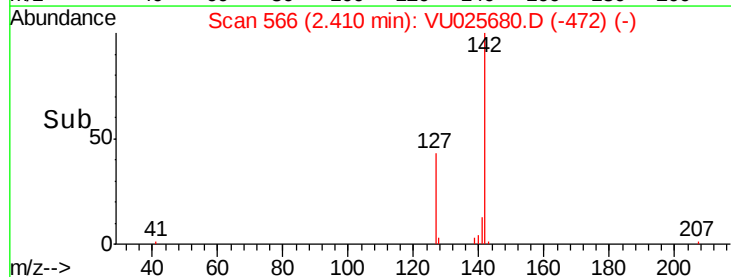
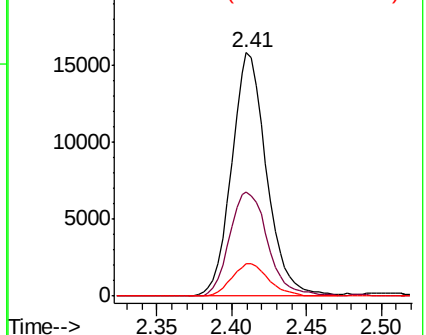
141 14.0 11.4 17.2

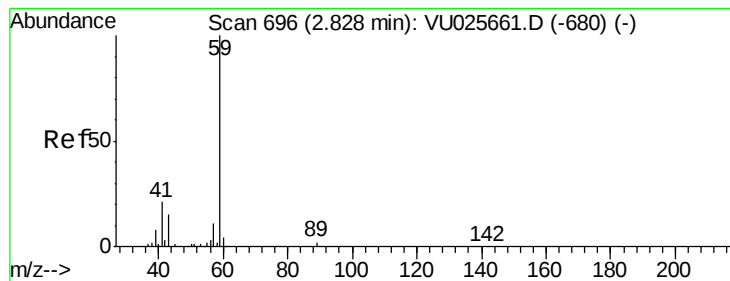


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



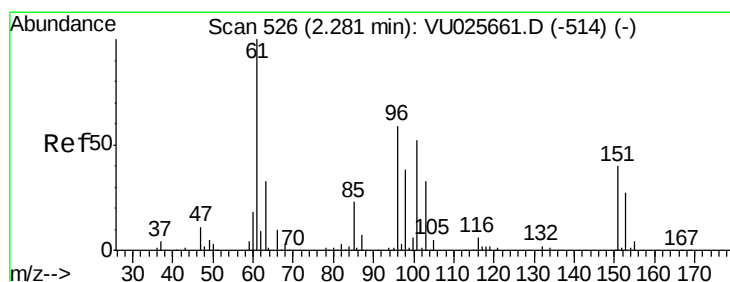
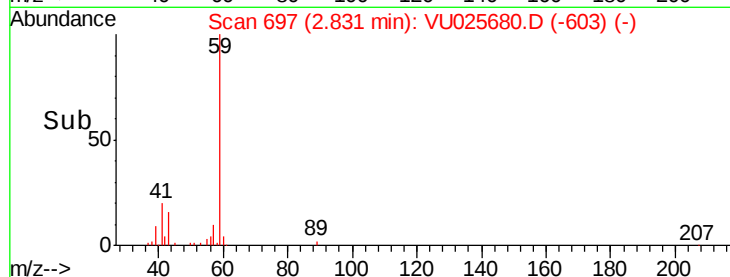
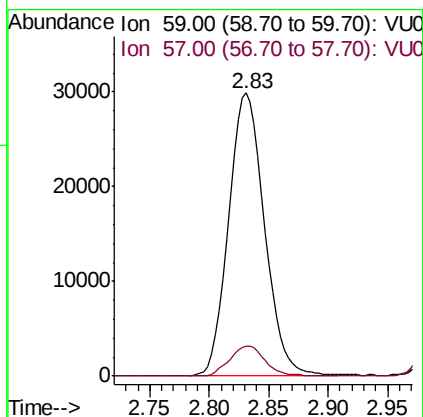
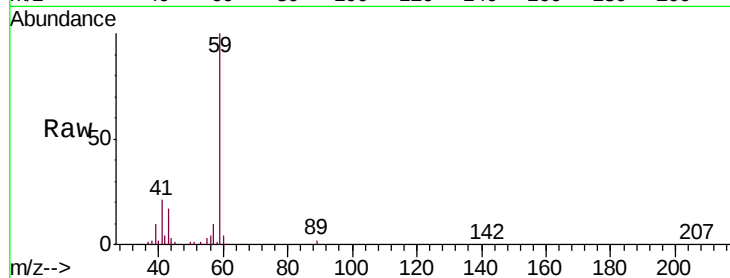


#11

Tert butyl alcohol
Concen: 110.37 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

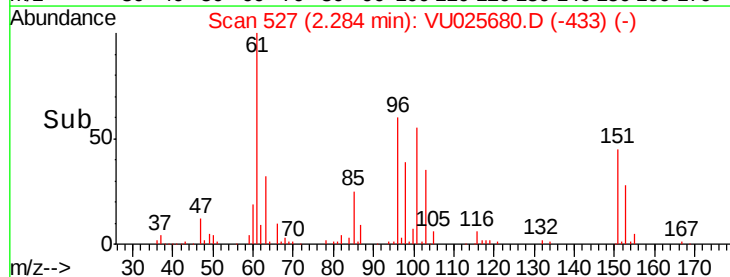
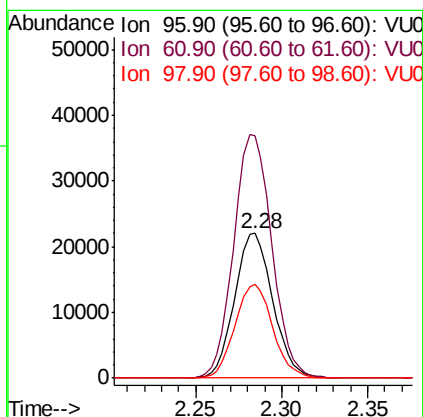
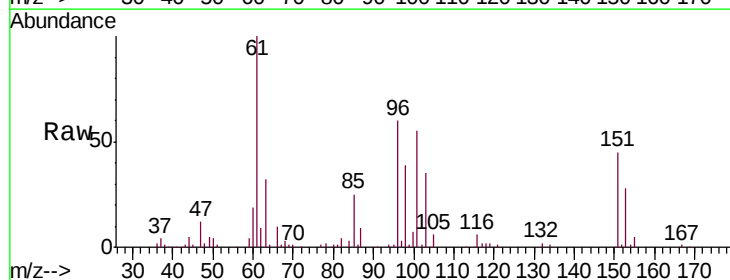
Tot Ion: 59 Resp: 62545
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

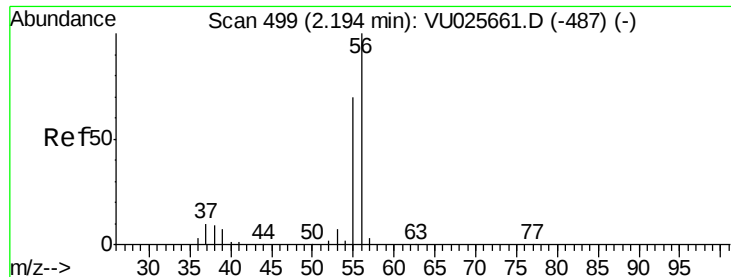


#12

1,1-Dichloroethene
Concen: 19.00 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 96 Resp: 33890
Ion Ratio Lower Upper
96 100
61 167.6 140.2 210.4
98 64.8 49.3 73.9





#13

Acrolein

Concen: 89.61 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

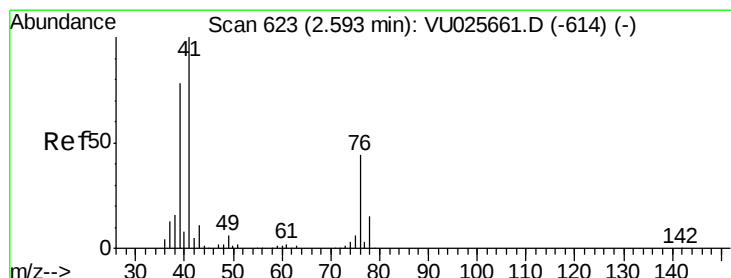
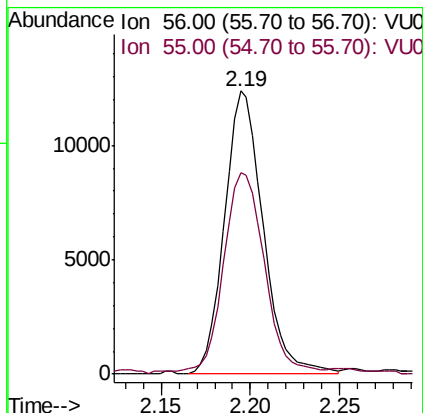
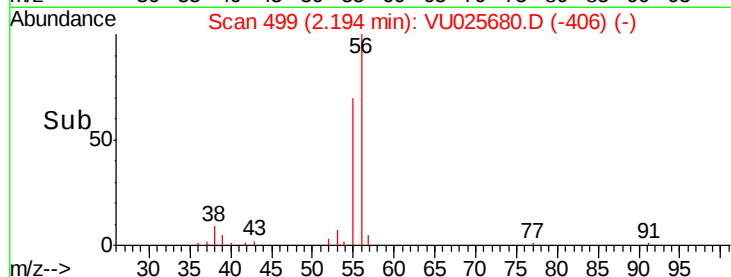
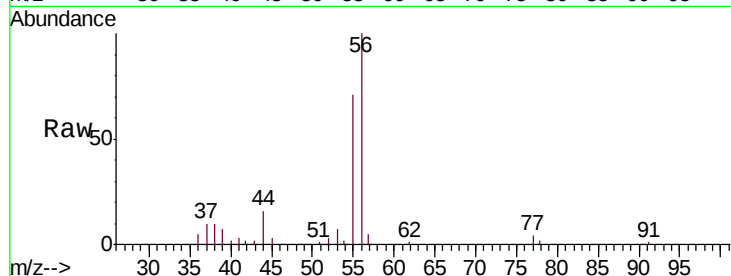
VU0727WBSD01

Tot Ion: 56 Resp: 18658

Ion Ratio Lower Upper

56 100

55 73.6 57.2 85.8



#14

Allyl chloride

Concen: 19.12 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

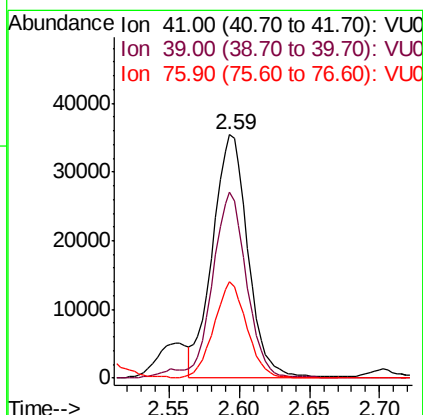
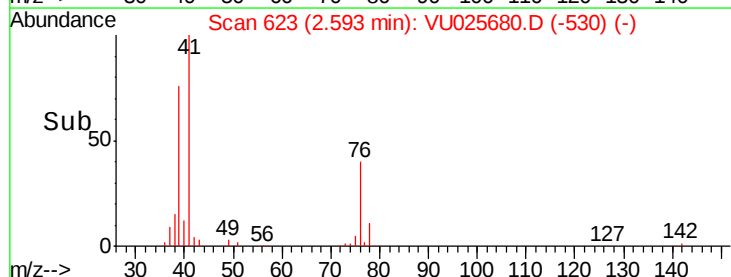
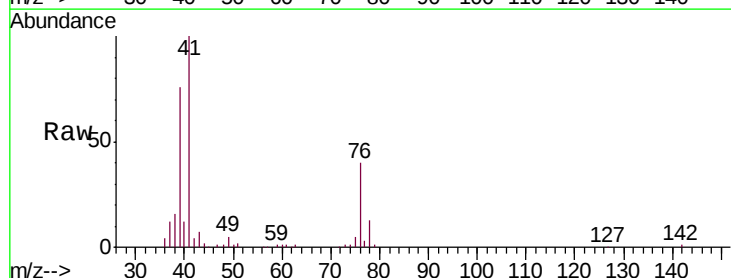
Tgt Ion: 41 Resp: 61293

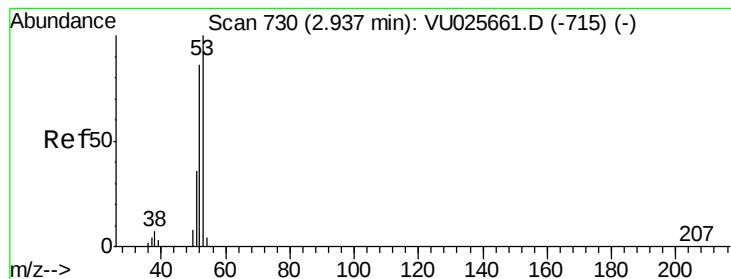
Ion Ratio Lower Upper

41 100

39 72.0 60.6 91.0

76 37.1 30.5 45.7





#15

Acrylonitrile

Concen: 110.22 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

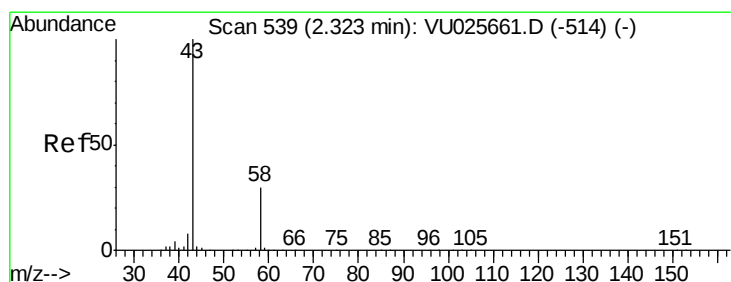
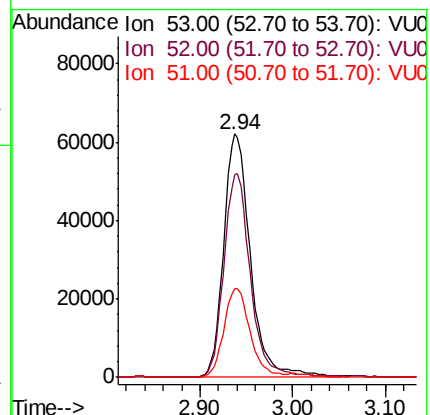
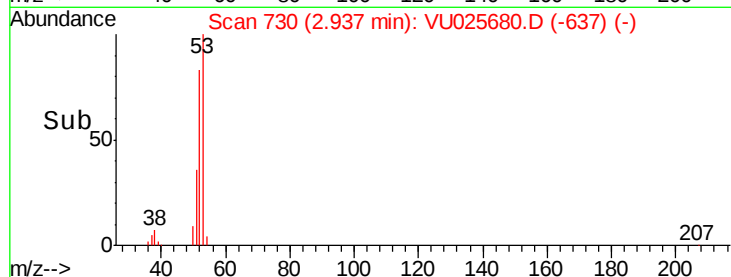
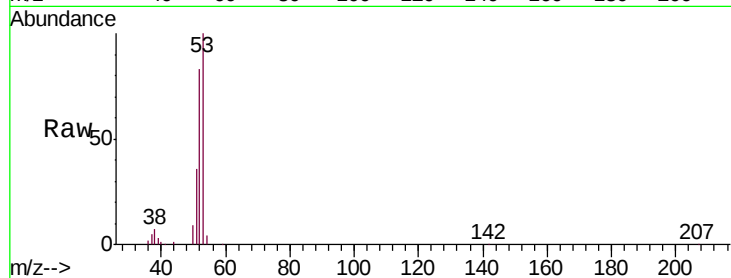
Tot Ion: 53 Resp: 124709

Ion Ratio Lower Upper

53 100

52 83.1 66.6 99.8

51 35.7 29.4 44.2



#16

Acetone

Concen: 93.10 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025680.D

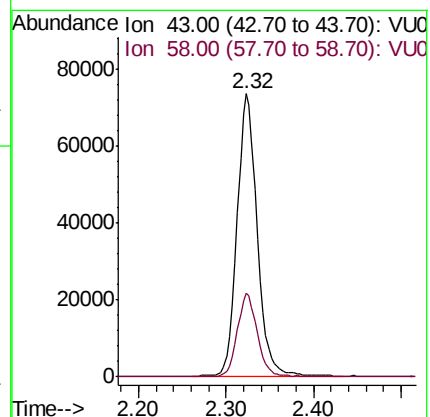
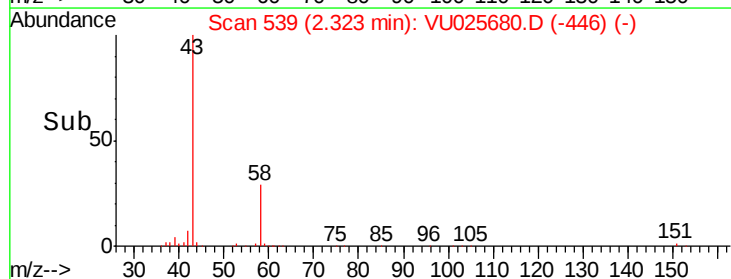
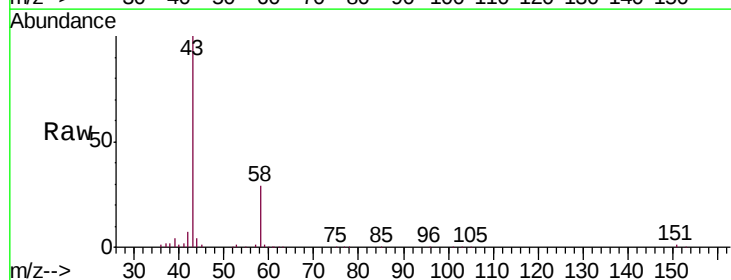
Acq: 27 Jul 2018 19:36

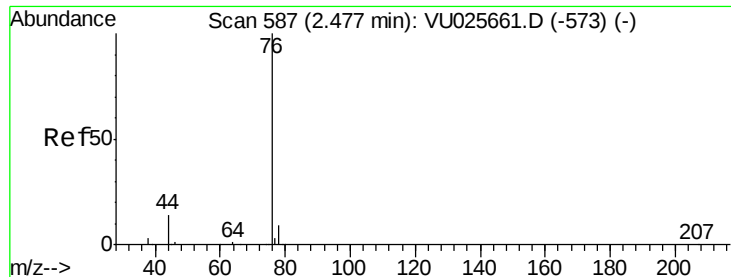
Tgt Ion: 43 Resp: 117487

Ion Ratio Lower Upper

43 100

58 29.5 23.1 34.7





#17

Carbon Disulfide

Concen: 19.37 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

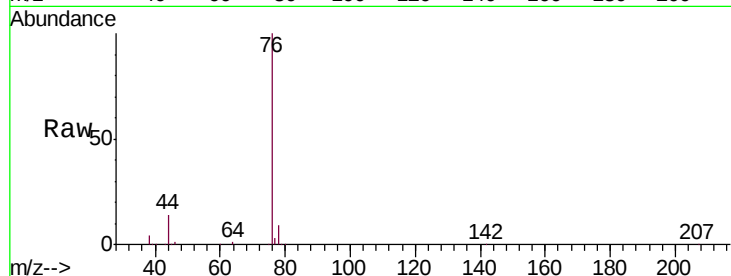
VU0727WBSD01

Tot Ion: 76 Resp: 111786

Ion Ratio Lower Upper

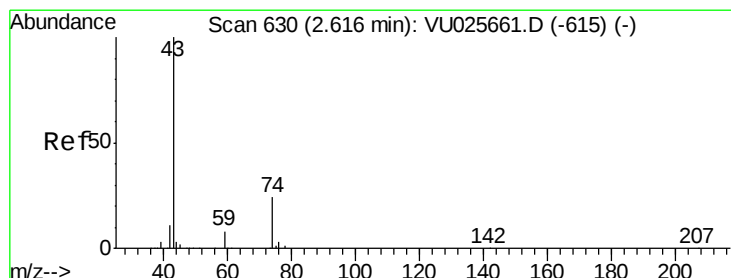
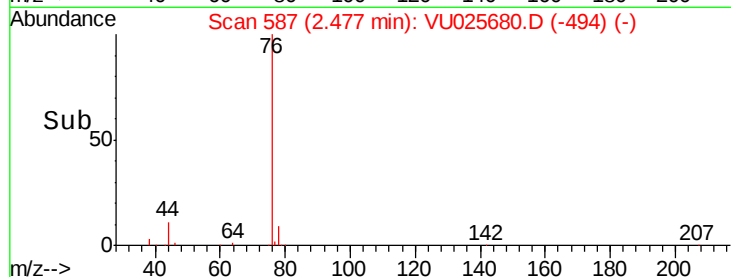
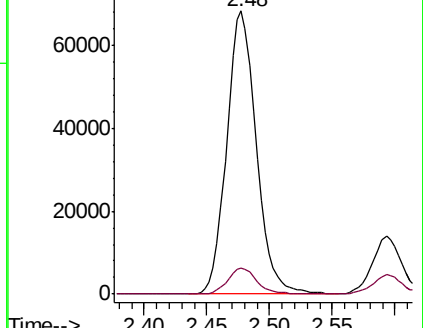
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025680.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025680.D (-494) (-)



#18

Methyl Acetate

Concen: 23.09 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025680.D

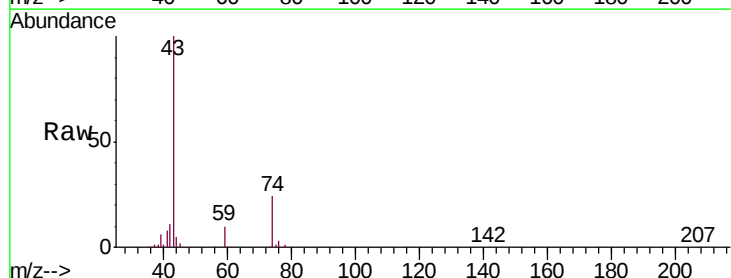
Acq: 27 Jul 2018 19:36

Tgt Ion: 43 Resp: 70135

Ion Ratio Lower Upper

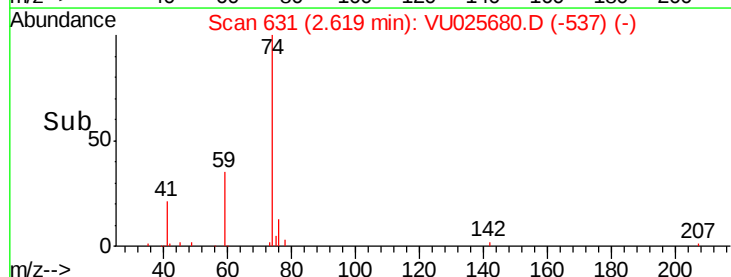
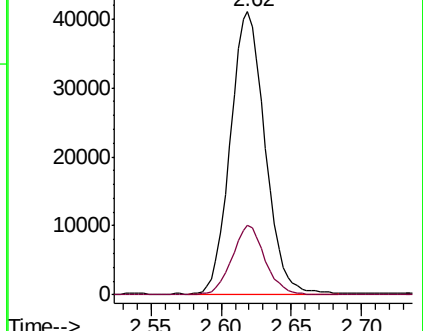
43 100

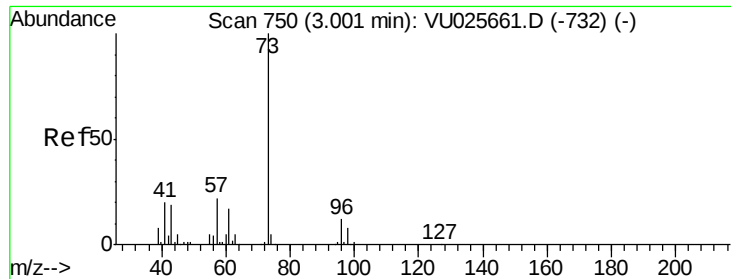
74 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025680.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025680.D (-537) (-)

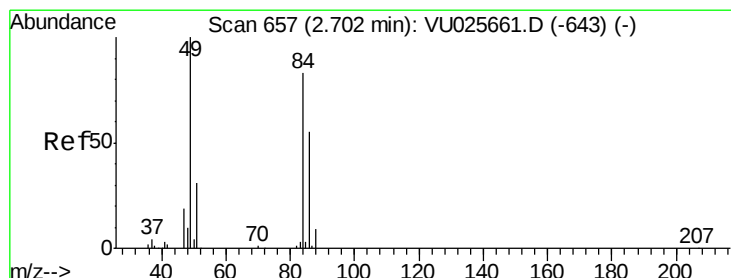
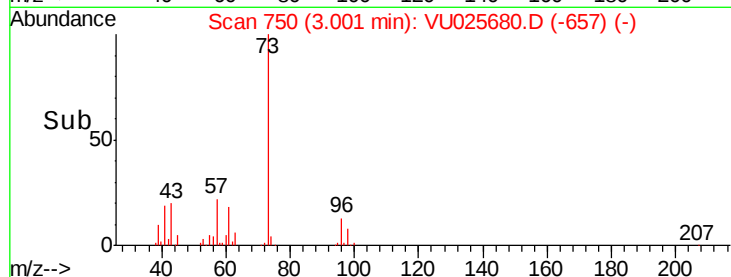
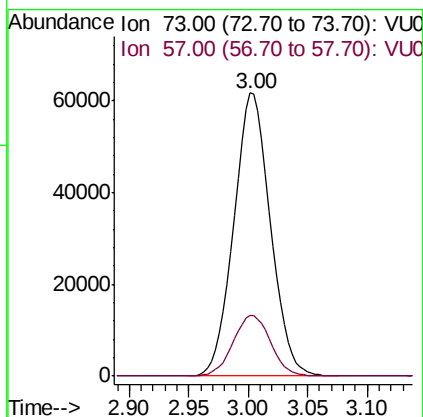
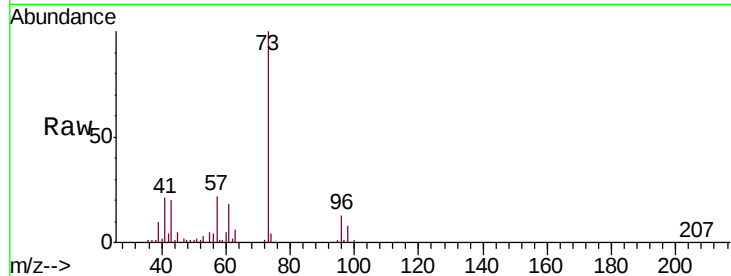




#19
Methvl tert-butvl Ether
Concen: 20.38 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

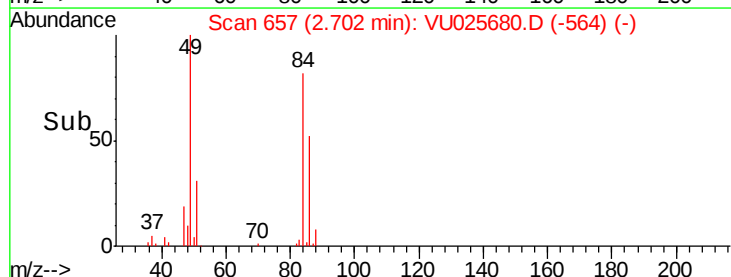
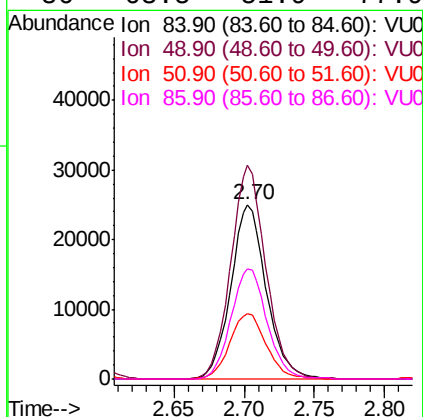
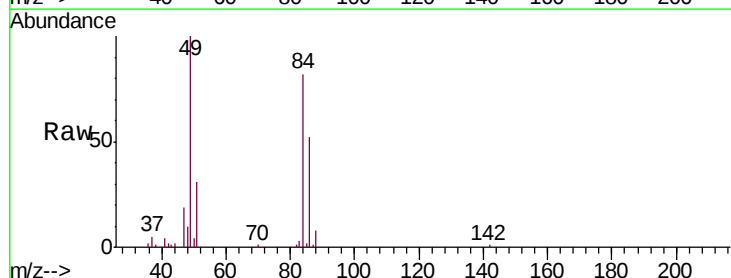
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

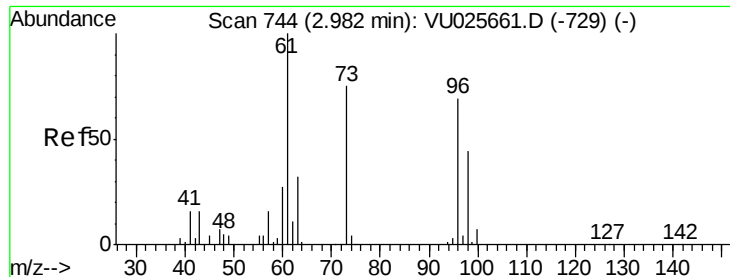
Tot Ion: 73 Resp: 131745
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 19.63 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 84 Resp: 43901
Ion Ratio Lower Upper
84 100
49 122.6 101.8 152.6
51 37.4 30.8 46.2
86 63.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.89 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

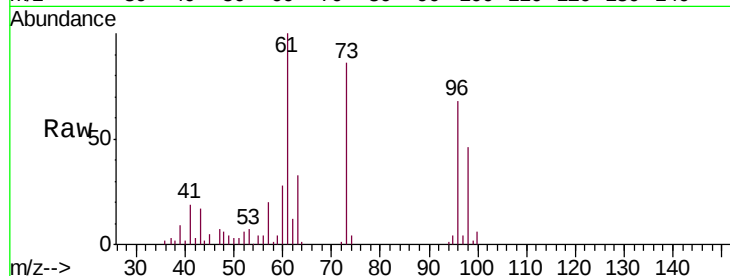
Tot Ion: 96 Resp: 41015

Ion Ratio Lower Upper

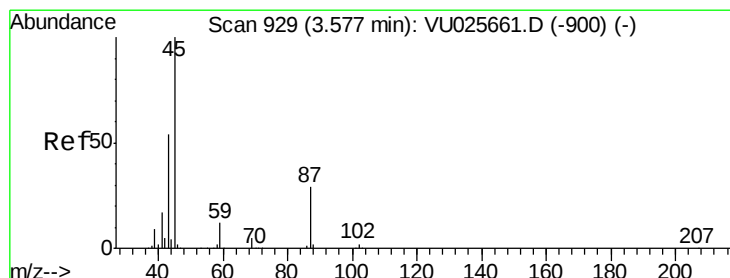
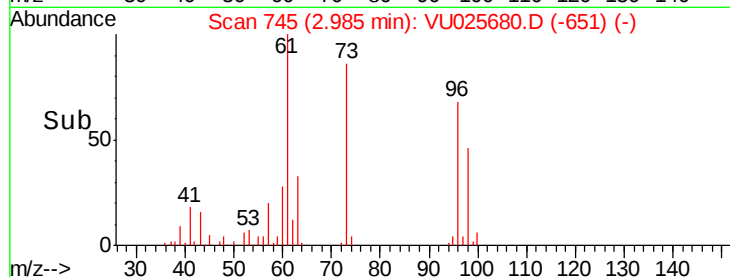
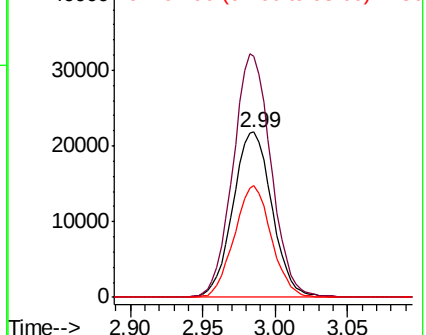
96 100

61 146.3 114.5 171.7

98 67.6 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.56 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion: 45 Resp: 129858

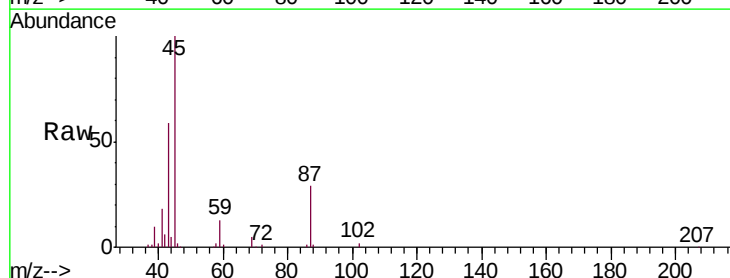
Ion Ratio Lower Upper

45 100

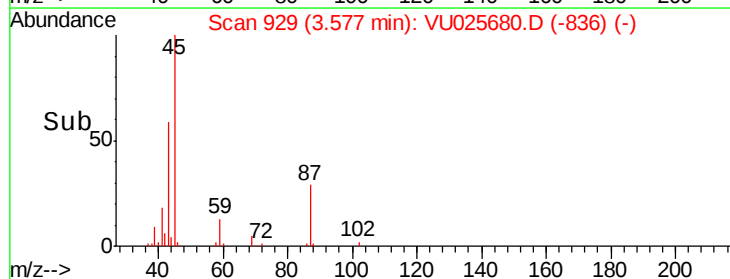
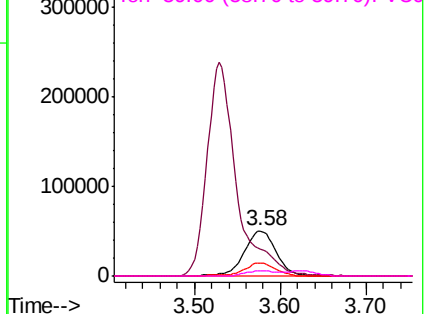
43 58.0 50.9 76.3

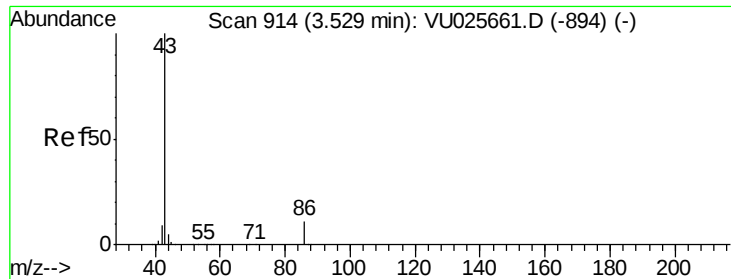
87 28.6 23.8 35.8

59 12.7 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 103.91 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleID :

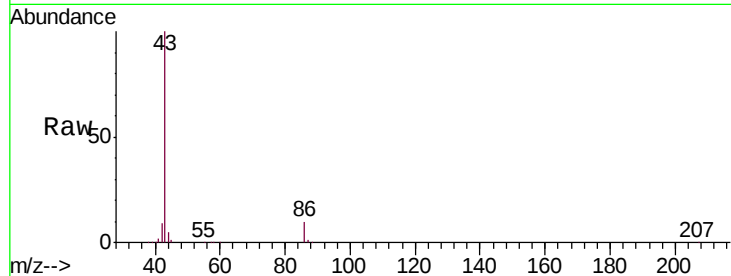
VU0727WBSD01

Tot Ion: 43 Resp: 571987

Ion Ratio Lower Upper

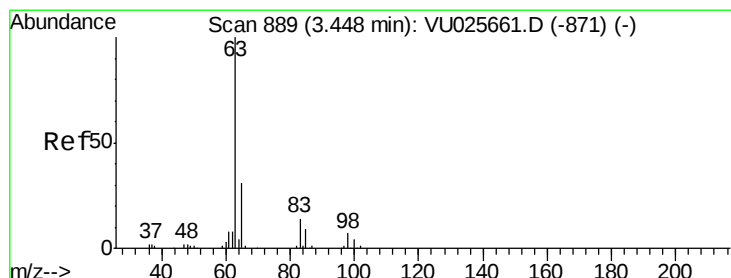
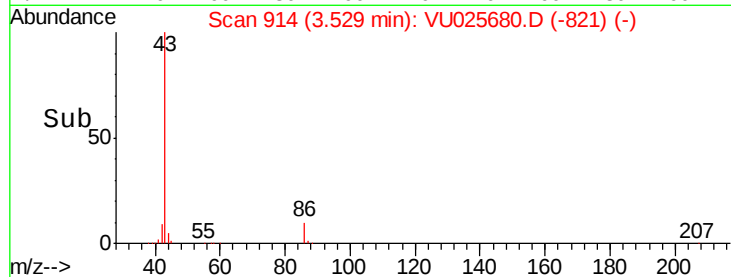
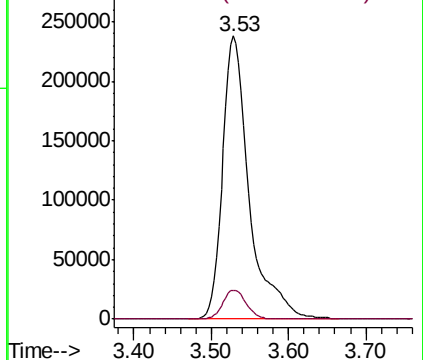
43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.81 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

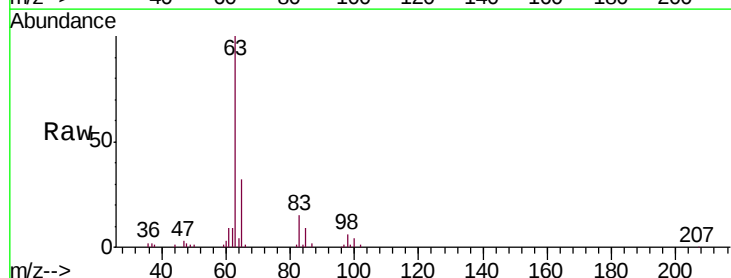
Tgt Ion: 63 Resp: 78885

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

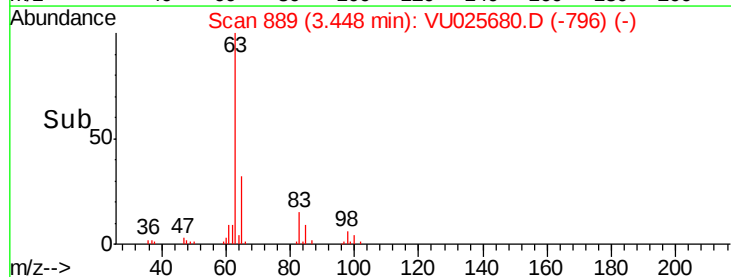
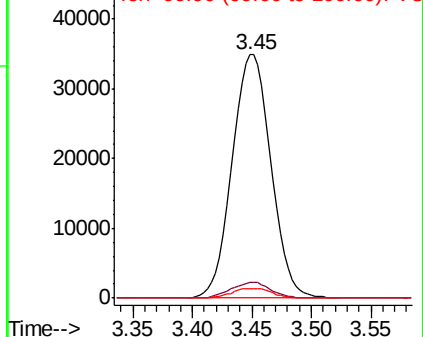
100 4.0 2.0 6.0

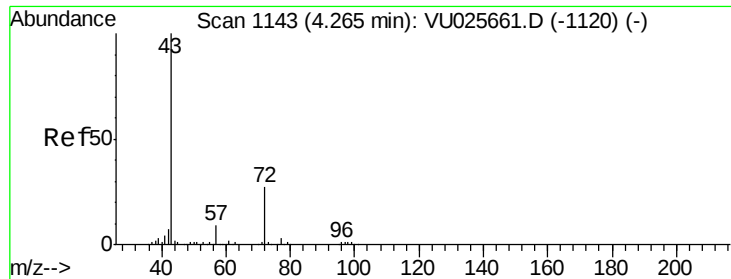


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 105.84 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

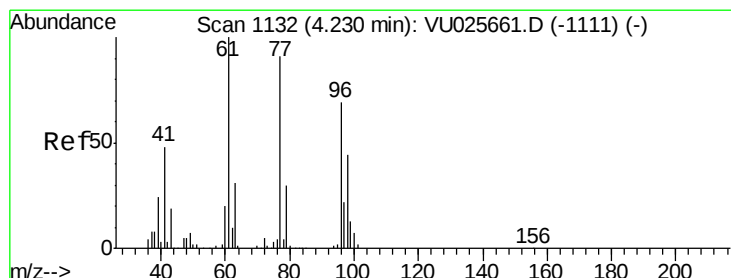
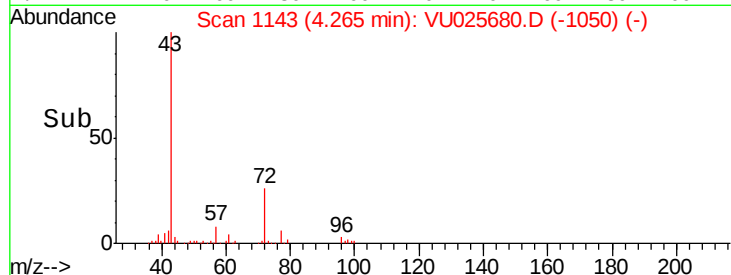
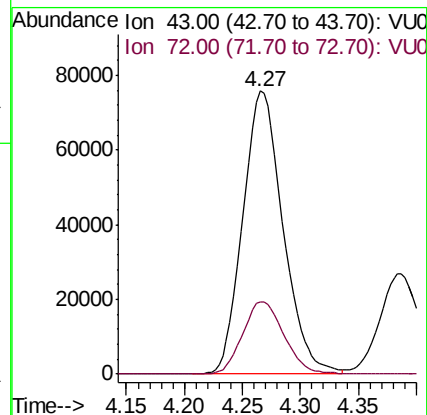
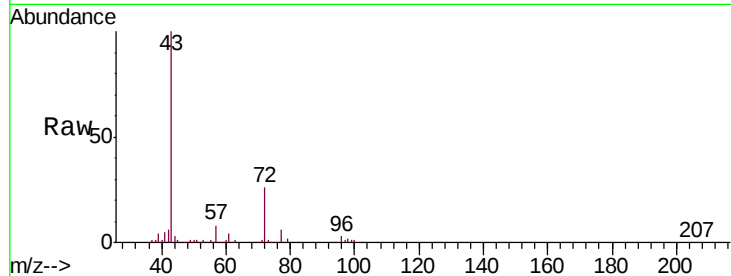
VU0727WBSD01

Tot Ion: 43 Resp: 181809

Ion Ratio Lower Upper

43 100

72 25.5 21.0 31.4



#26

2,2-Dichloropropane

Concen: 17.87 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025680.D

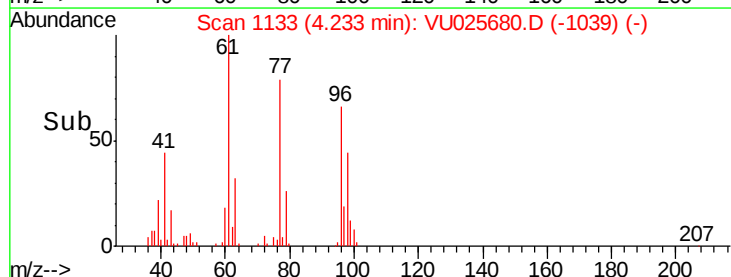
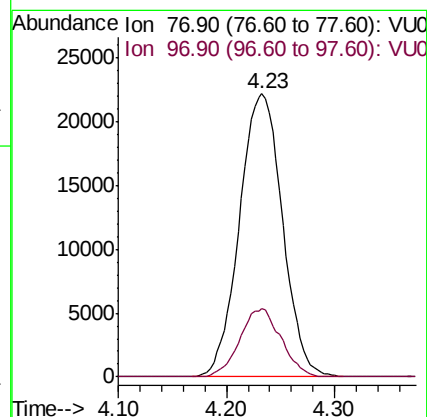
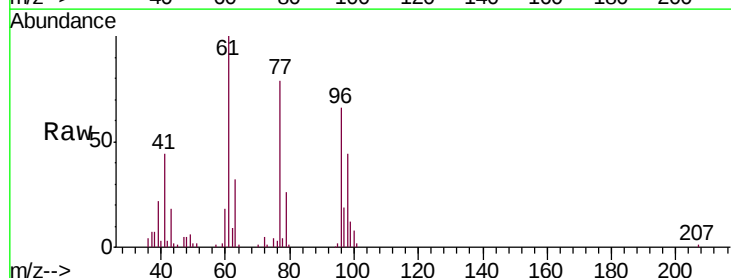
Acq: 27 Jul 2018 19:36

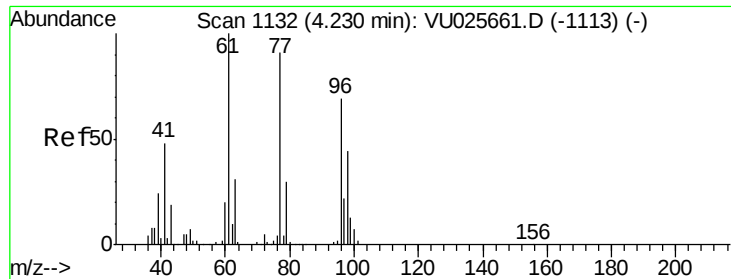
Tgt Ion: 77 Resp: 61583

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5

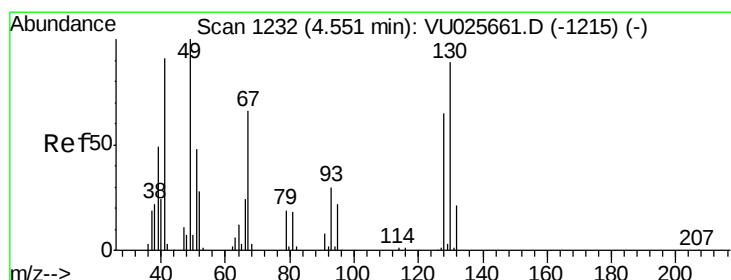
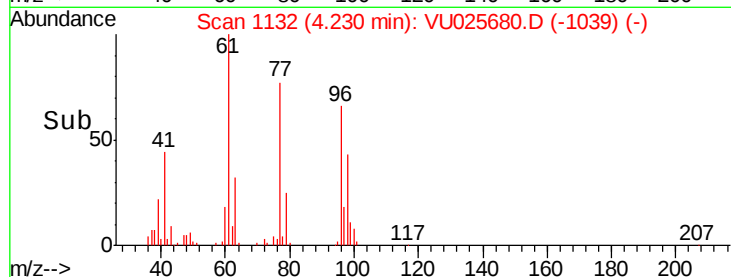
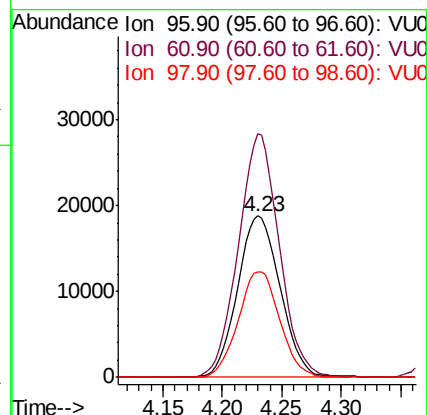
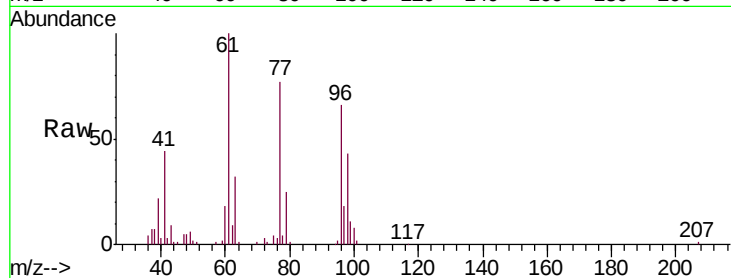




#27
 cis-1,2-Dichloroethene
 Concen: 20.05 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

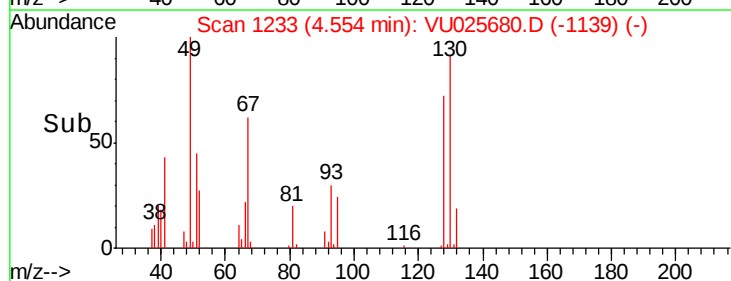
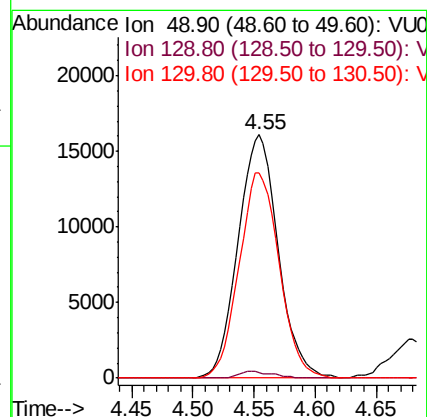
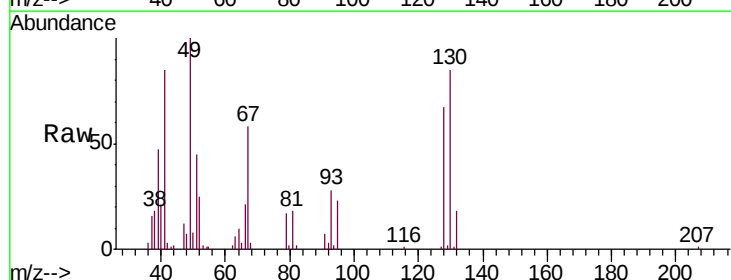
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

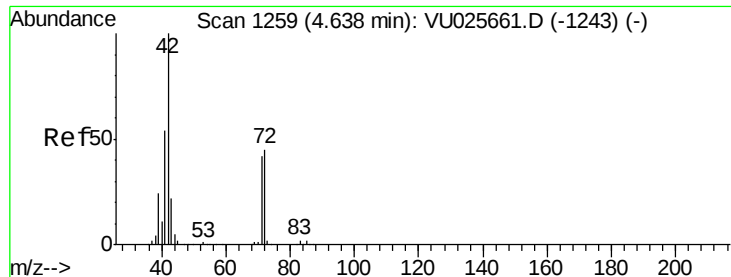
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	299.8
98	63.5	0.0	128.6



#28
 Bromochloromethane
 Concen: 21.59 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	84.4	68.6	102.8





#29

Tetrahydrofuran

Concen: 111.19 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

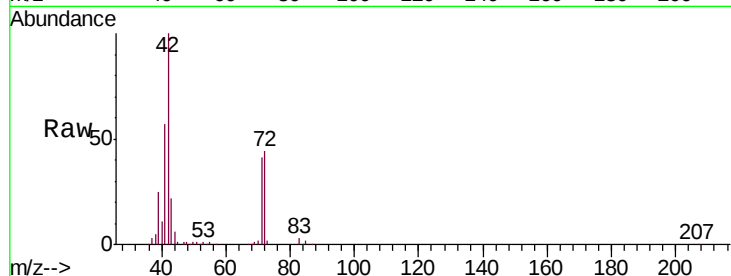
Tot Ion: 42 Resp: 114429

Ion Ratio Lower Upper

42 100

72 44.4 36.7 55.1

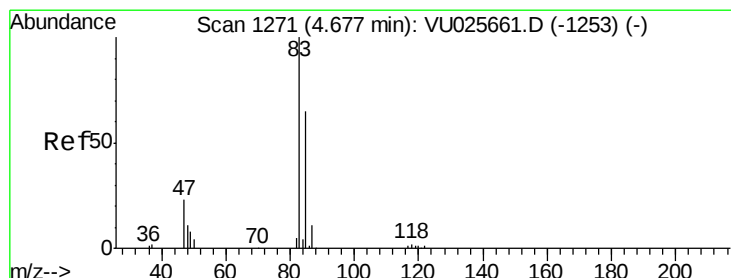
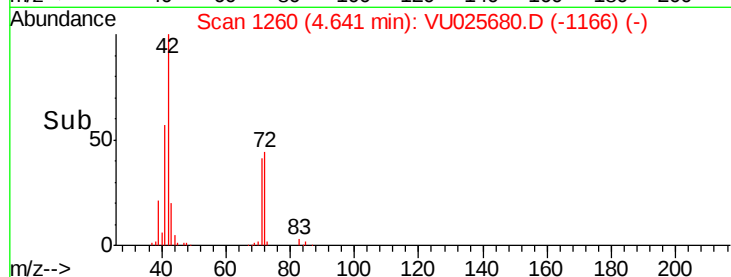
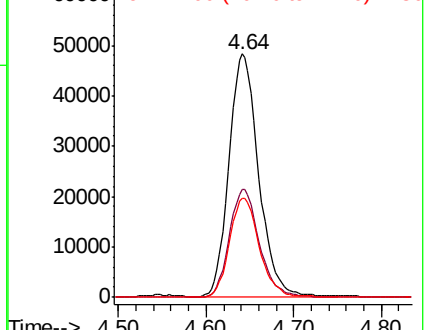
71 40.8 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.22 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025680.D

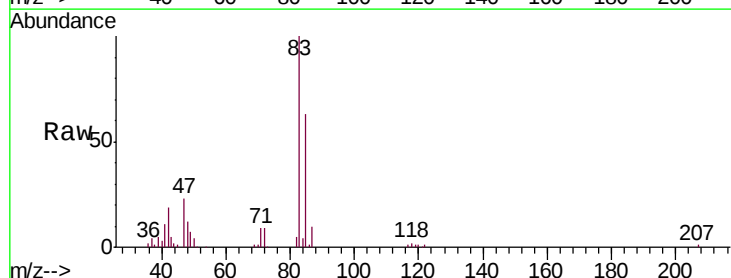
Acq: 27 Jul 2018 19:36

Tgt Ion: 83 Resp: 80922

Ion Ratio Lower Upper

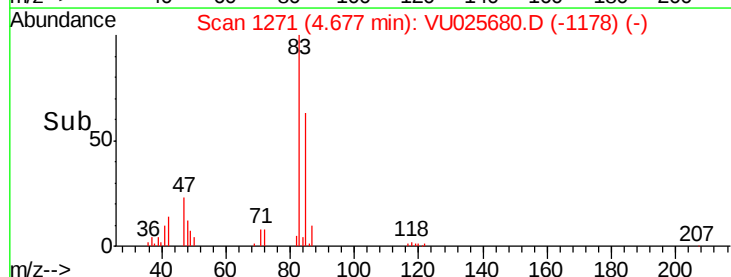
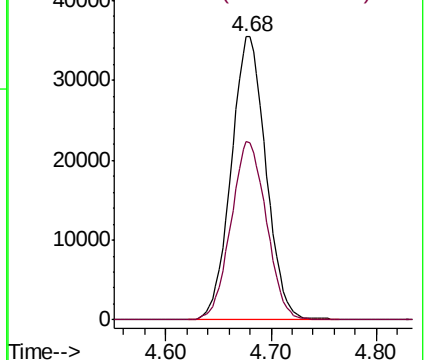
83 100

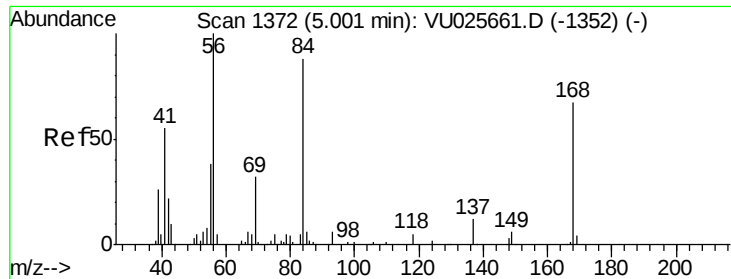
85 63.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

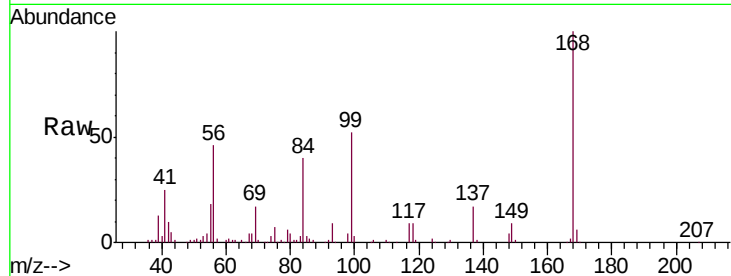




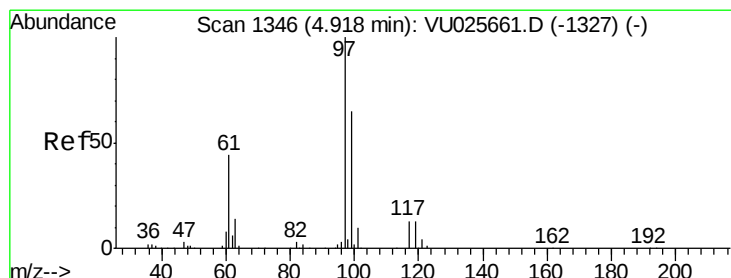
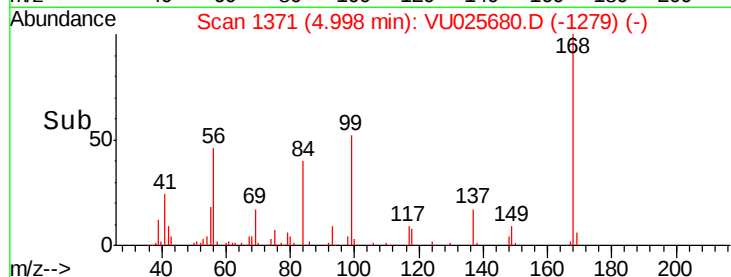
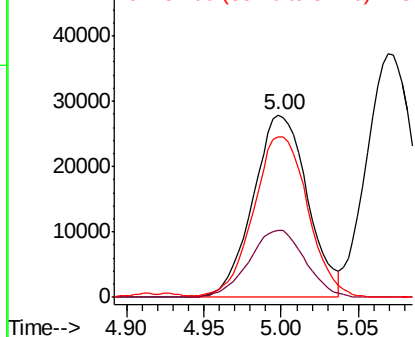
#31
Cvclohexane
Concen: 19.90 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion: 56 Resp: 68305
Ion Ratio Lower Upper
56 100
69 37.0 26.8 40.2
84 87.4 69.7 104.5

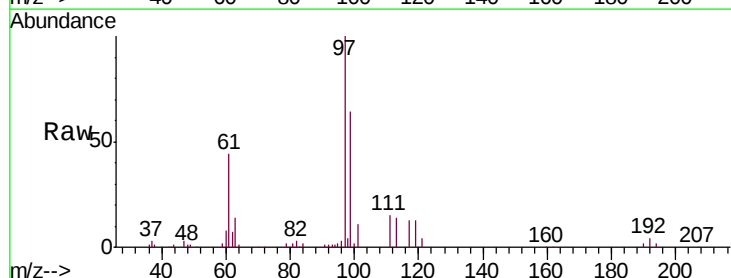


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

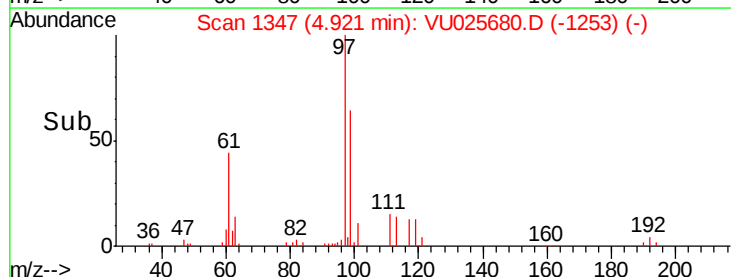
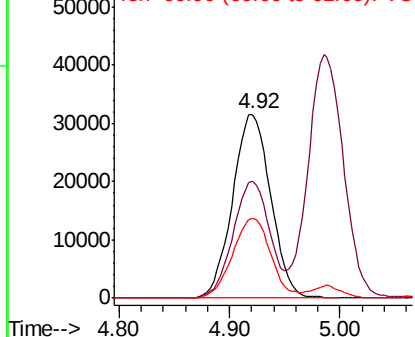


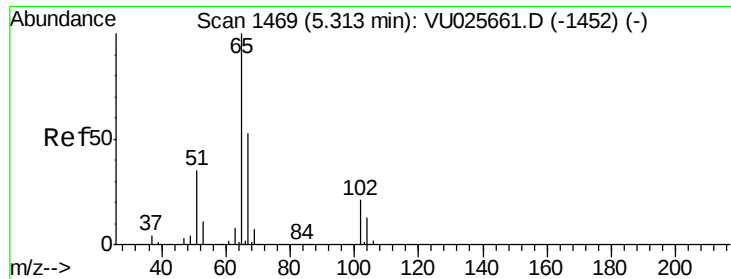
#32
1,1,1-Trichloroethane
Concen: 20.96 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 97 Resp: 75514
Ion Ratio Lower Upper
97 100
99 61.5 50.8 76.2
61 43.5 35.2 52.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.92 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

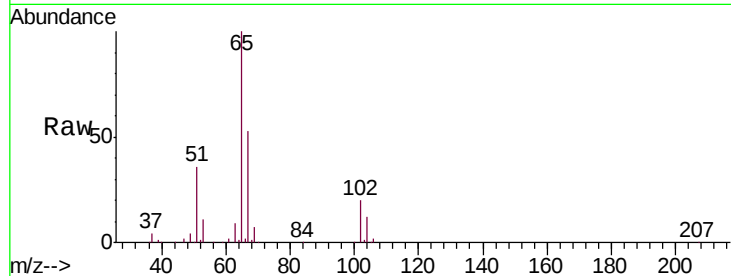
VU0727WBSD01

Tot Ion: 65 Resp: 134396

Ion Ratio Lower Upper

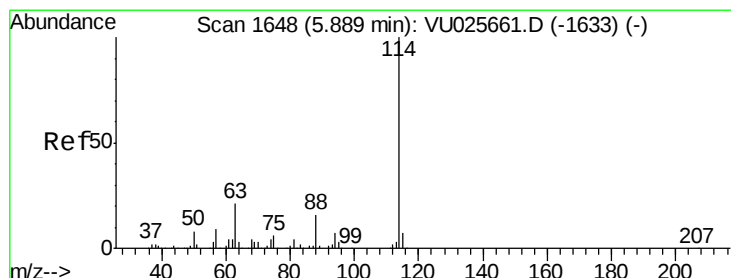
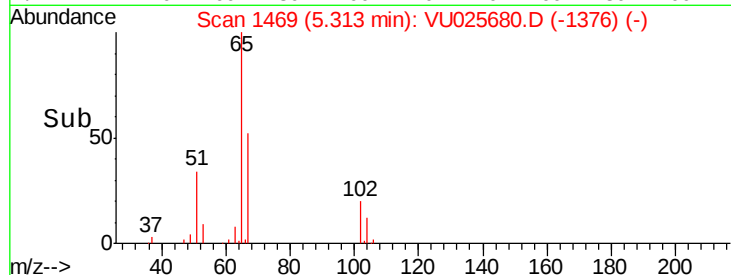
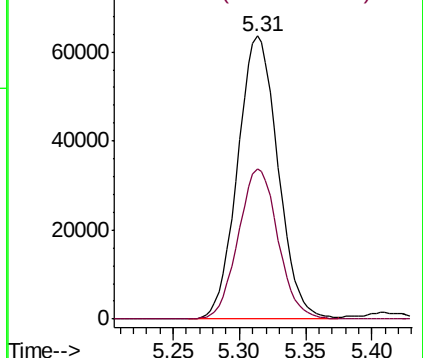
65 100

67 52.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

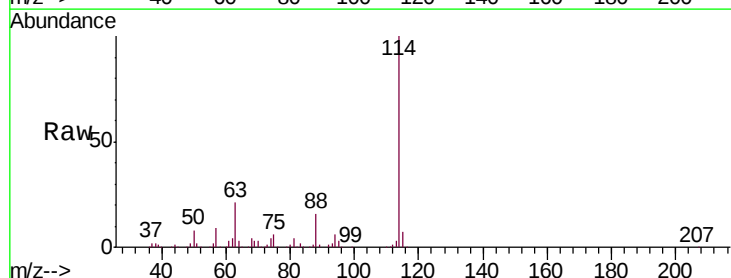
Tgt Ion: 114 Resp: 258930

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

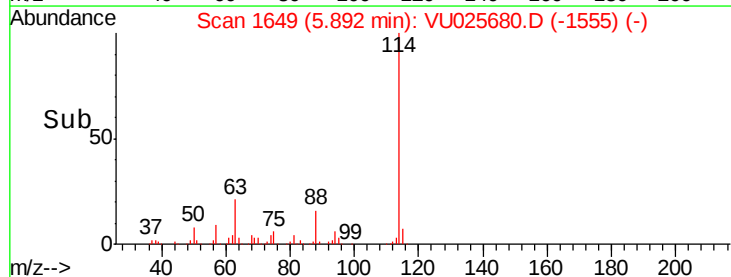
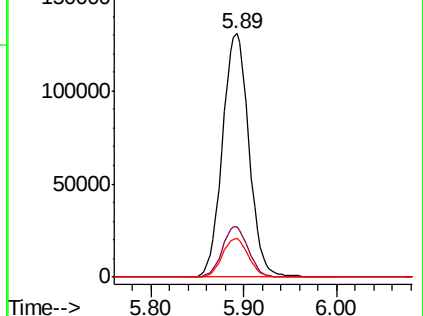
88 15.8 0.0 32.4

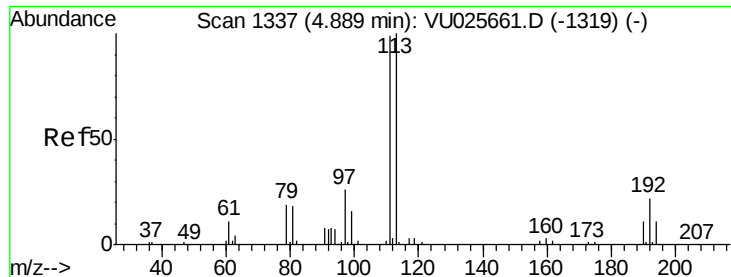


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

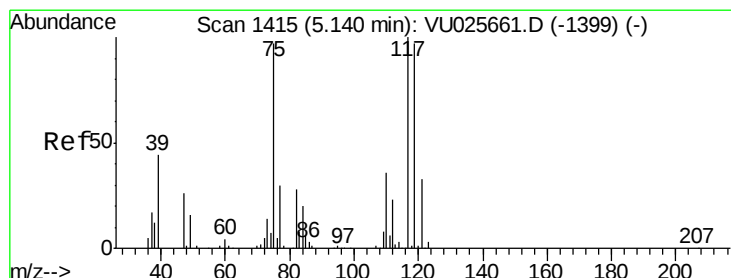
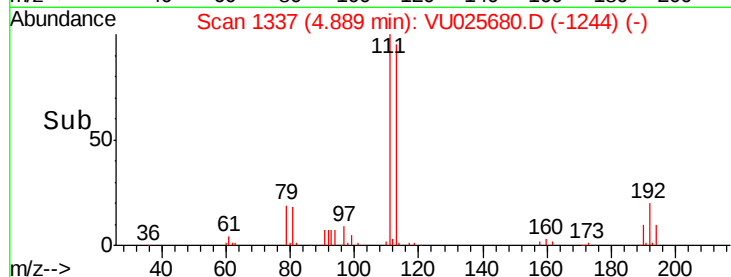
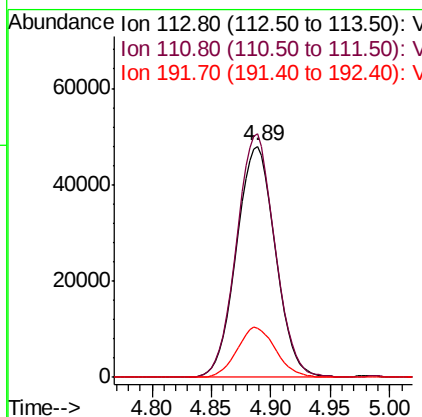
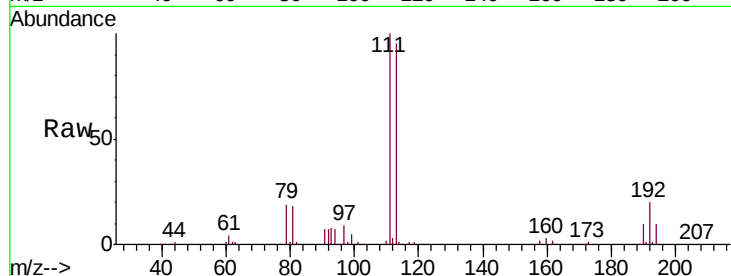




#35
 Dibromofluoromethane
 Concen: 48.35 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

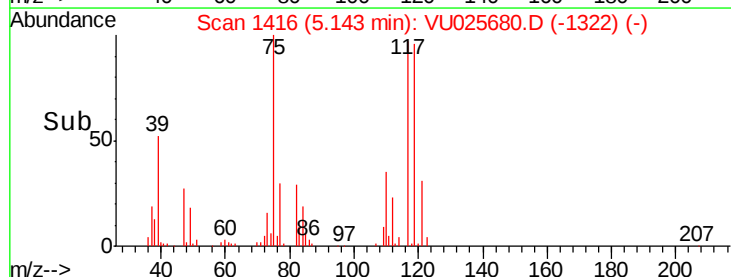
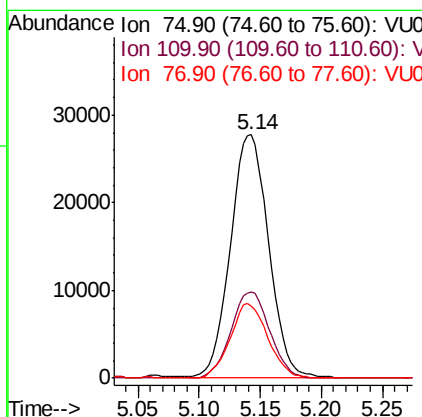
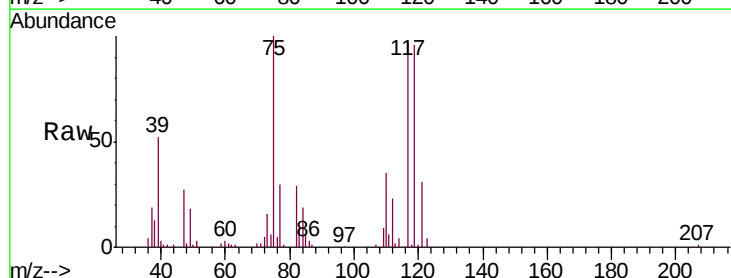
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

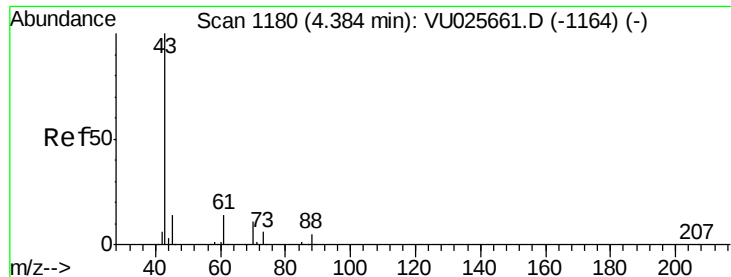
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.7	122.5
192	21.6	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 19.98 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.6	52.9
77	30.1	24.4	36.6

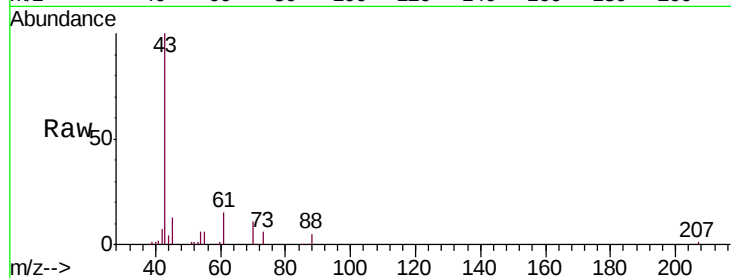




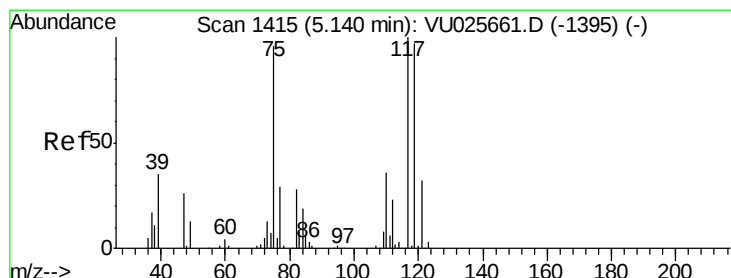
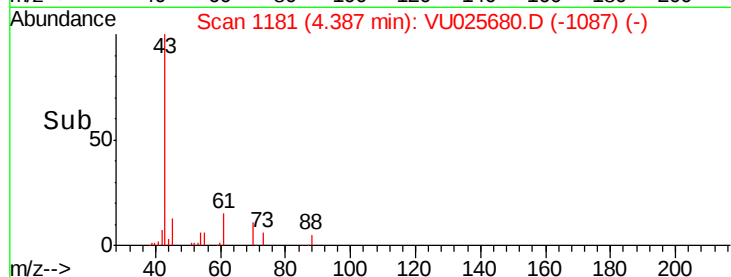
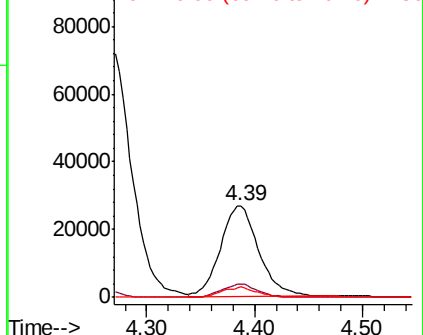
#37
Ethyl Acetate
Concen: 20.90 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion: 43 Resp: 65579
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 10.3 8.4 12.6

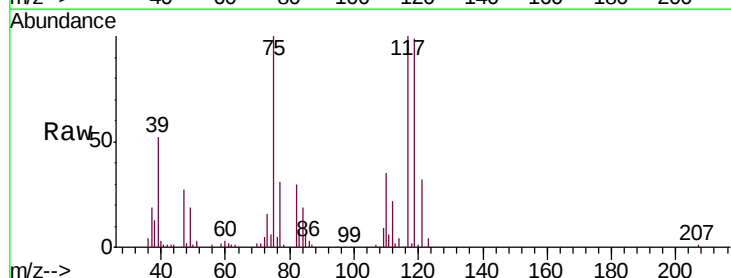


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

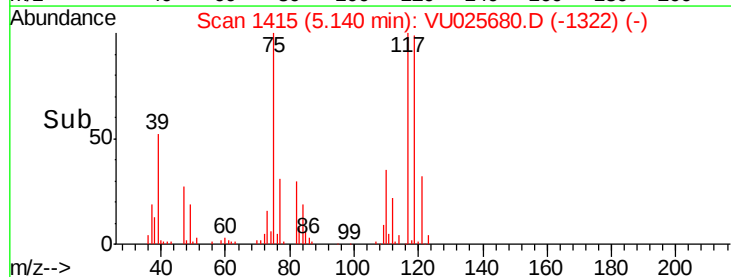
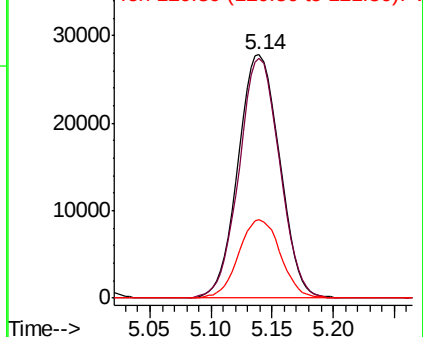


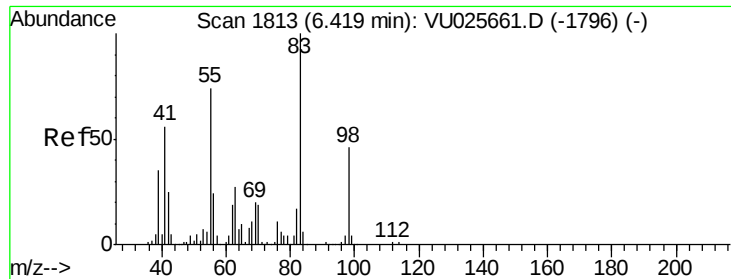
#38
Carbon Tetrachloride
Concen: 19.16 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 117 Resp: 65666
Ion Ratio Lower Upper
117 100
119 98.6 75.7 113.5
121 32.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

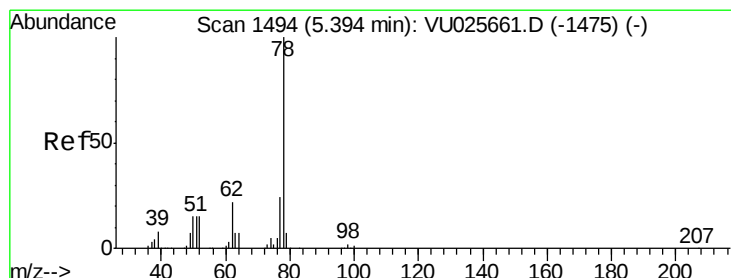
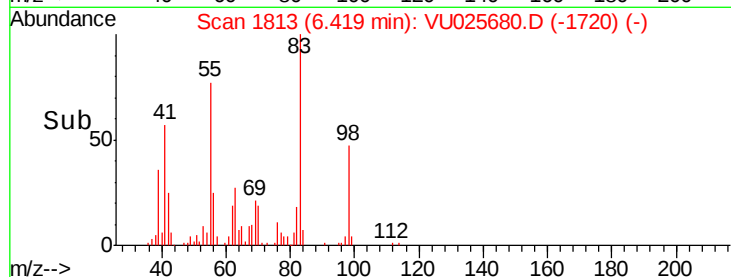
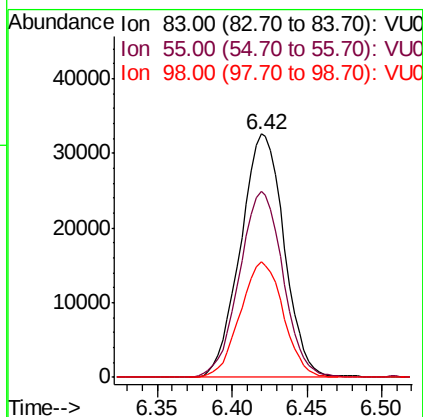
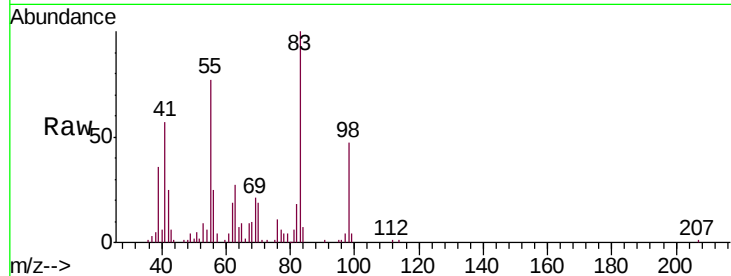




#39
Methvlcvclohexane
Concen: 19.09 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

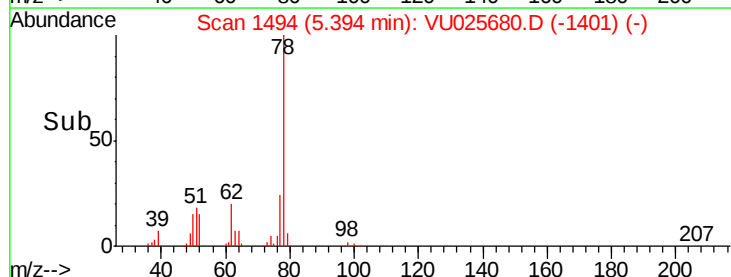
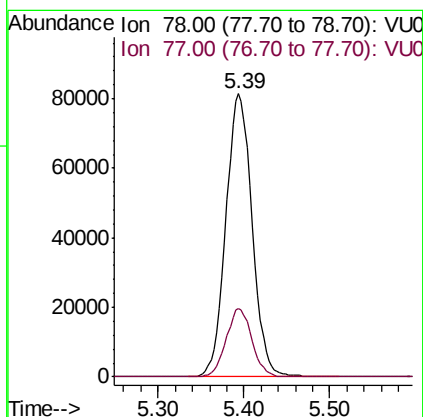
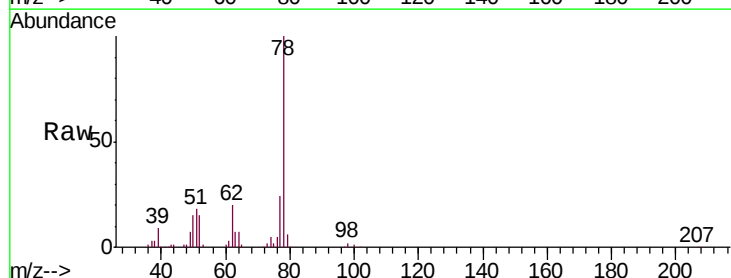
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

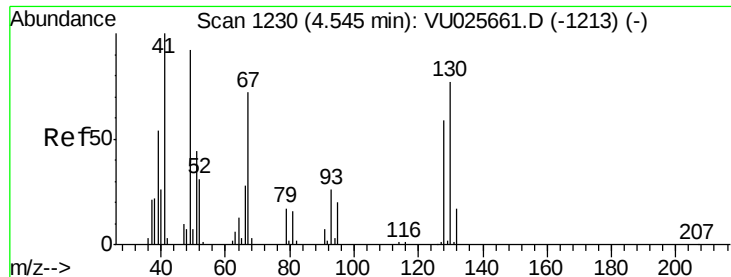
Tot Ion: 83 Resp: 66181
Ion Ratio Lower Upper
83 100
55 76.6 60.0 90.0
98 47.3 36.1 54.1



#40
Benzene
Concen: 19.45 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 78 Resp: 172005
Ion Ratio Lower Upper
78 100
77 24.3 19.8 29.6

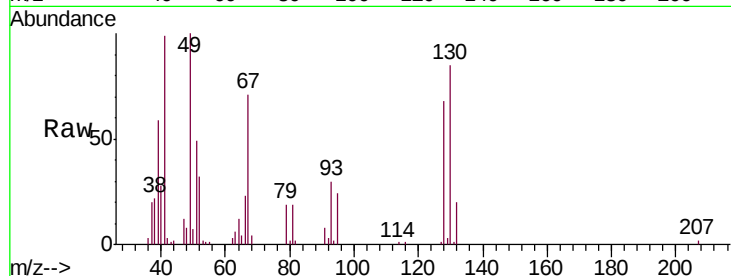




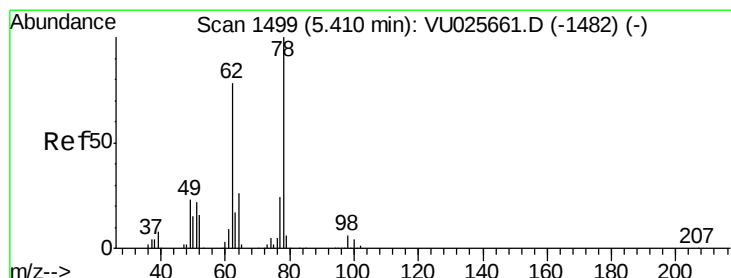
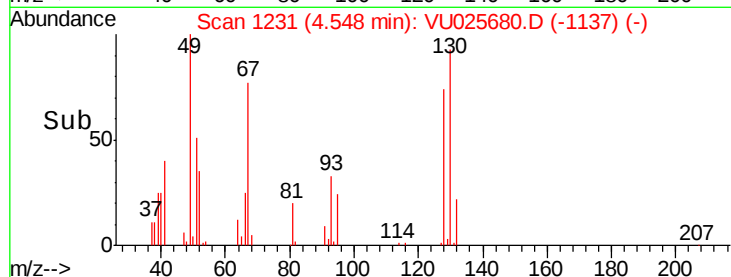
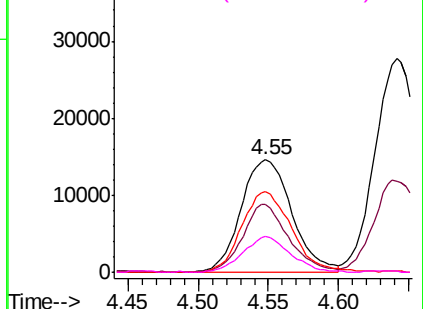
#41
Methacrylonitrile
Concen: 21.18 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion: 41 Resp: 36916
Ion Ratio Lower Upper
41 100
39 54.3 44.4 66.6
67 69.8 56.0 84.0
52 29.6 24.6 36.8

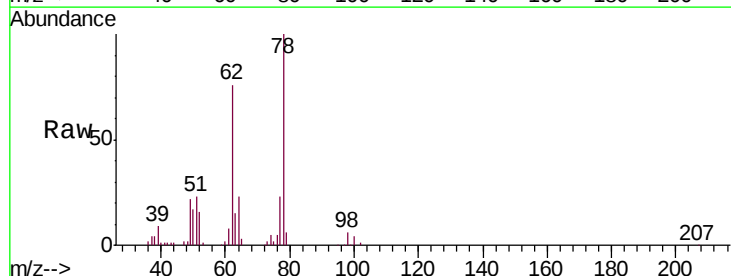


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

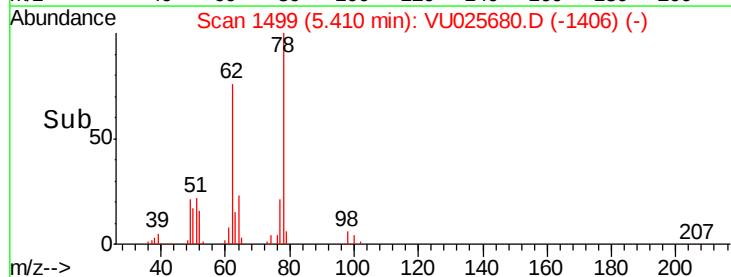
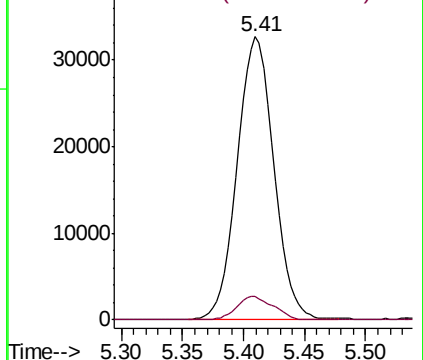


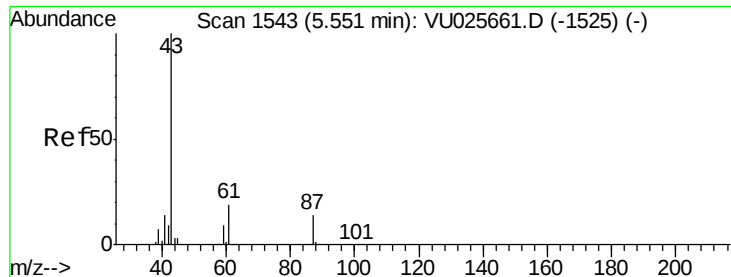
#42
1,2-Dichloroethane
Concen: 19.94 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 62 Resp: 67897
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.4



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





#43

Isopropyl Acetate

Concen: 19.95 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

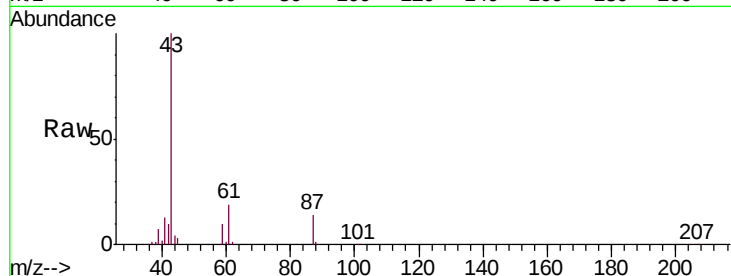
Tot Ion: 43 Resp: 103432

Ion Ratio Lower Upper

43 100

61 19.8 15.5 23.3

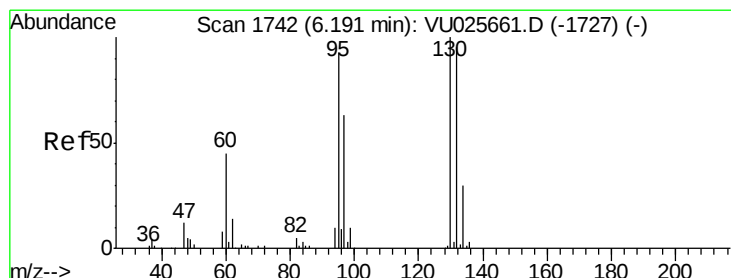
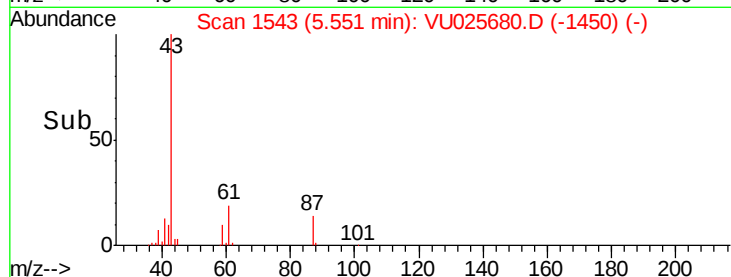
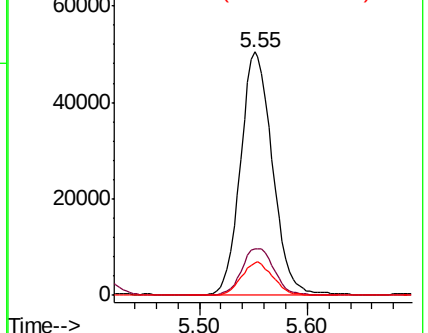
87 13.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



#44

Trichloroethene

Concen: 19.84 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025680.D

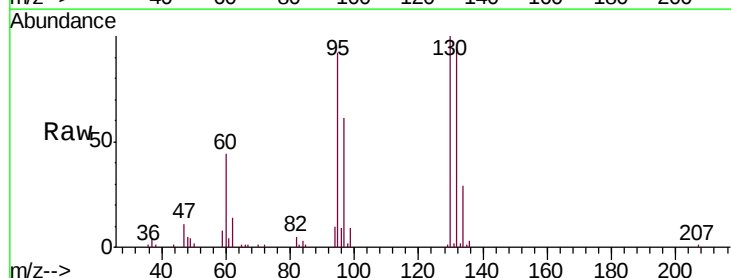
Acq: 27 Jul 2018 19:36

Tgt Ion: 130 Resp: 48862

Ion Ratio Lower Upper

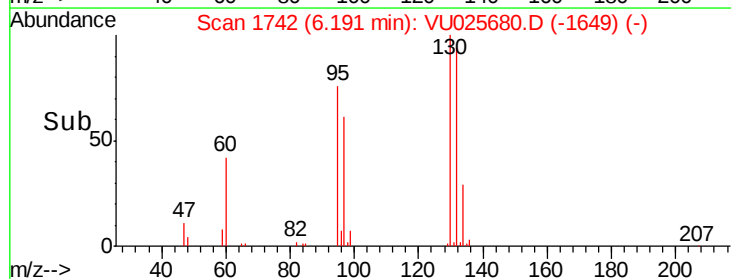
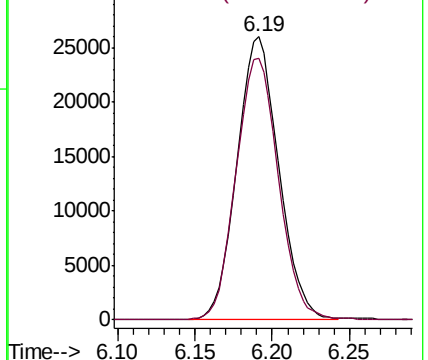
130 100

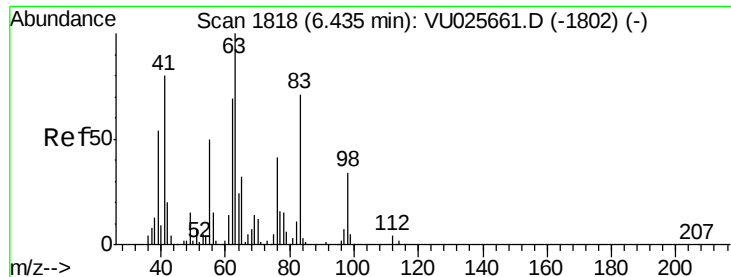
95 92.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)





#45

1,2-Dichloropropane

Concen: 19.89 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

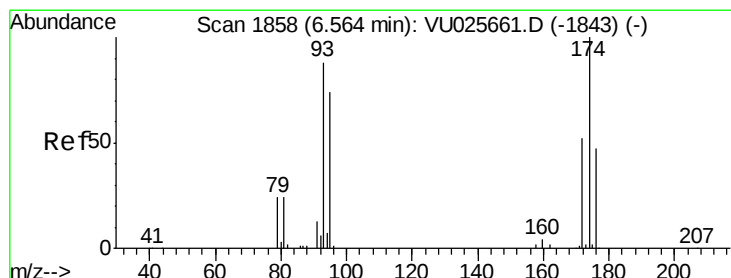
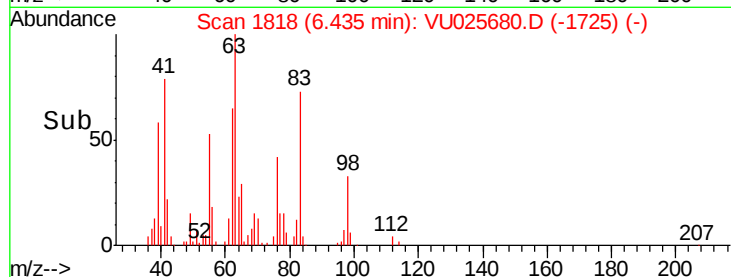
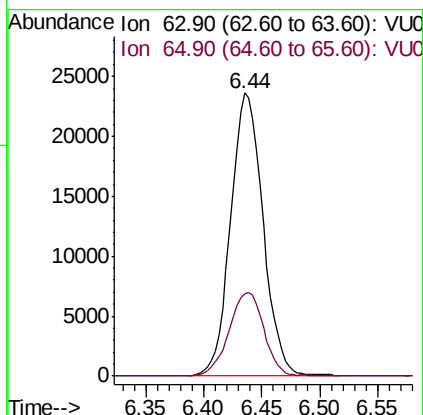
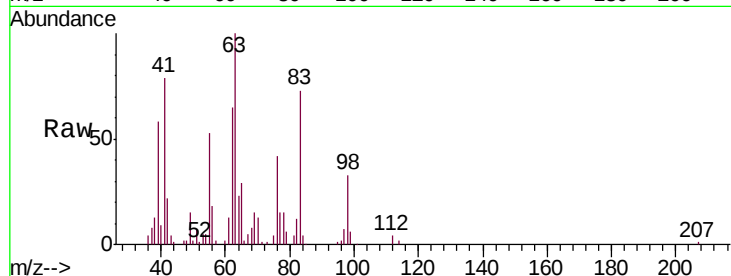
VU0727WBSD01

Tot Ion: 63 Resp: 45878

Ion Ratio Lower Upper

63 100

65 29.2 26.1 39.1



#46

Dibromomethane

Concen: 19.87 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

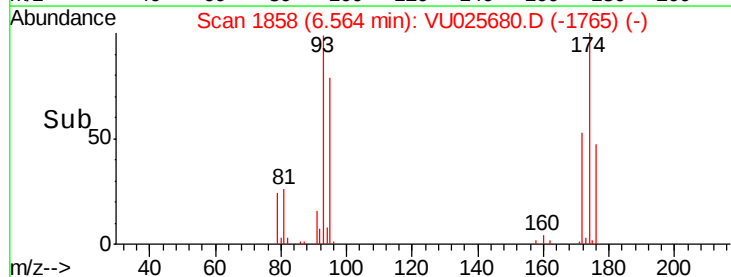
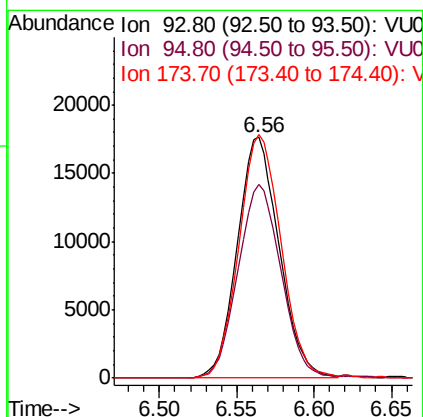
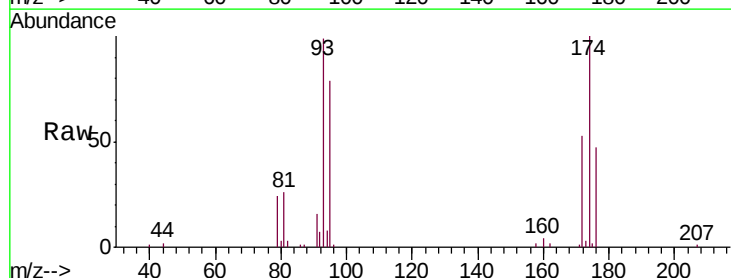
Tgt Ion: 93 Resp: 33220

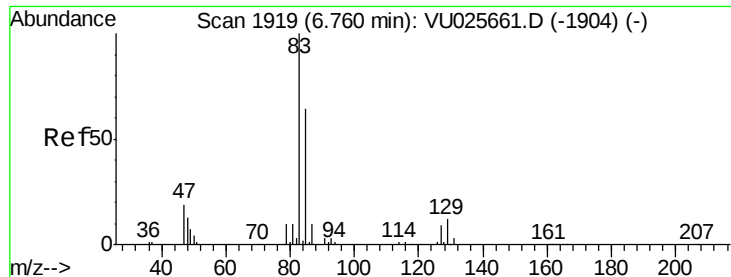
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 101.8 85.8 128.8





#47

Bromodichloromethane

Concen: 19.41 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

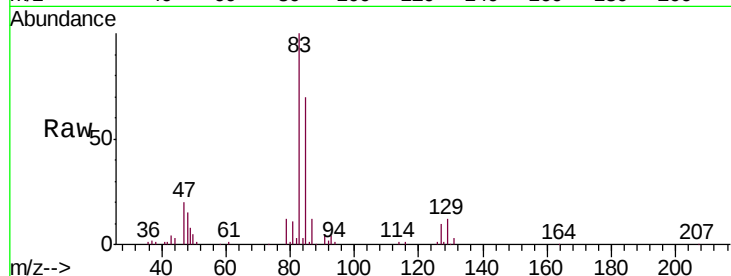
Tot Ion: 83 Resp: 61897

Ion Ratio Lower Upper

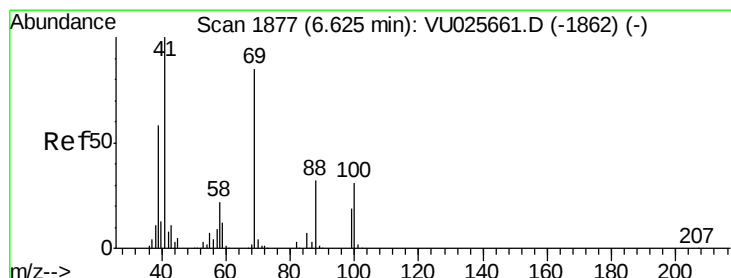
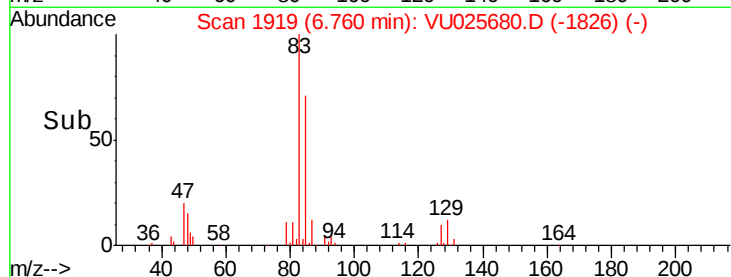
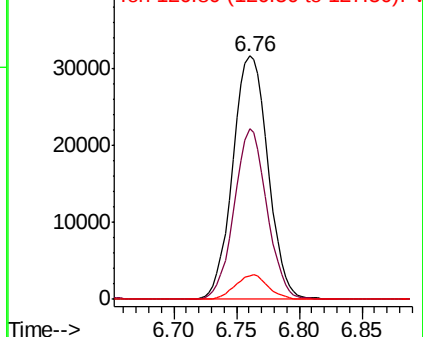
83 100

85 70.4 50.2 75.4

127 9.8 7.2 10.8



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



#48

Methyl methacrylate

Concen: 20.84 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

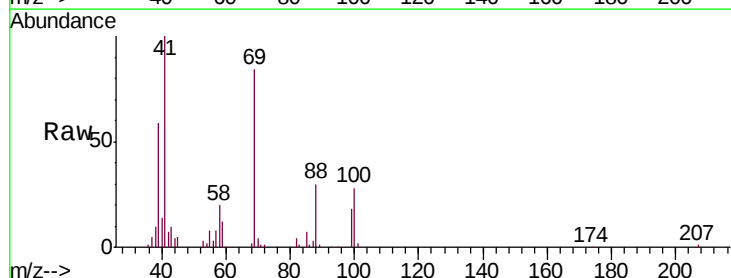
Tgt Ion: 41 Resp: 52950

Ion Ratio Lower Upper

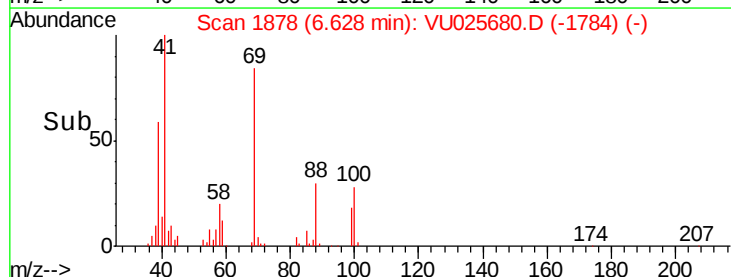
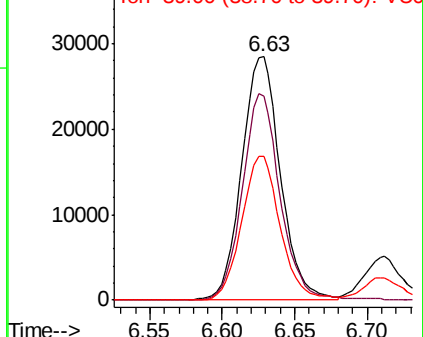
41 100

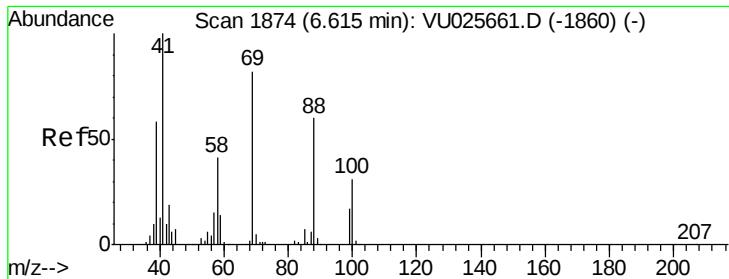
69 82.5 65.0 97.4

39 58.8 46.4 69.6



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

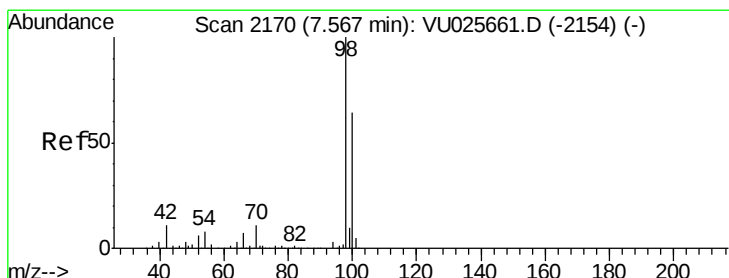
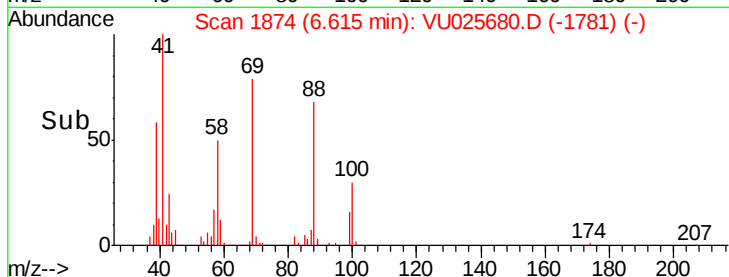
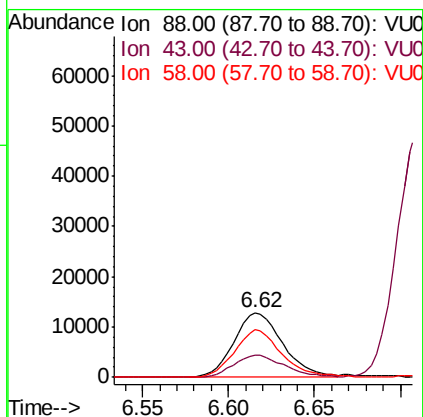
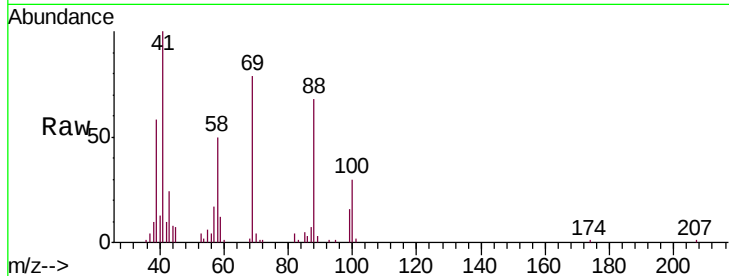




#49
1,4-Dioxane
Concen: 409.83 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

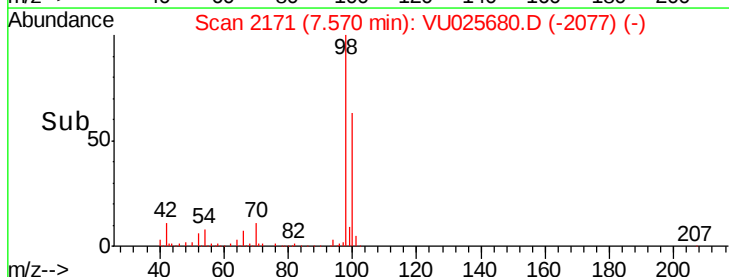
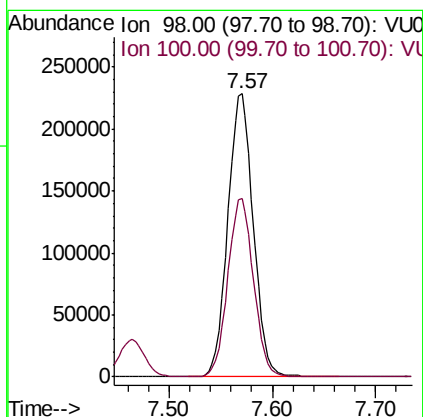
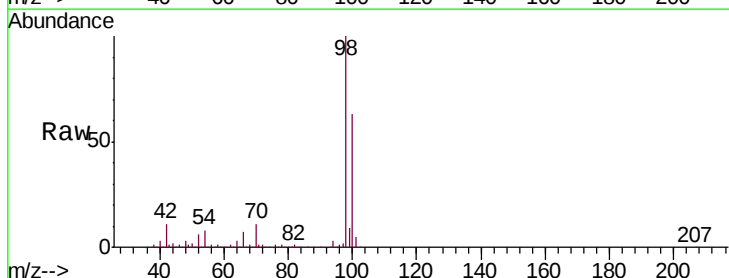
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

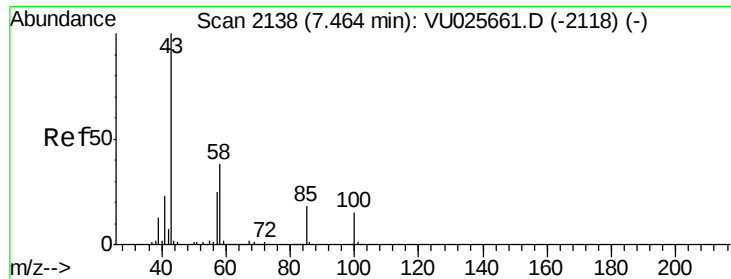
Tot Ion: 88 Resp: 25344
Ion Ratio Lower Upper
88 100
43 36.1 27.3 40.9
58 72.1 57.6 86.4



#50
Toluene-d8
Concen: 50.01 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 98 Resp: 394103
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 104.27 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

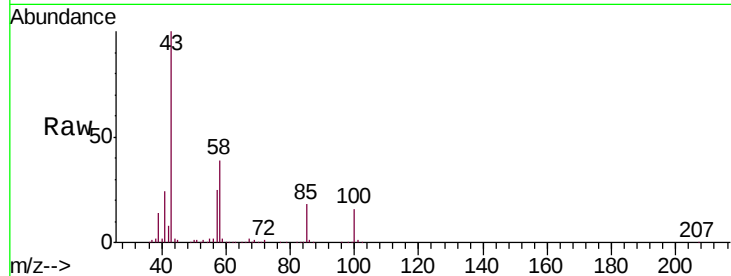
VU0727WBSD01

Tot Ion: 43 Resp: 338460

Ion Ratio Lower Upper

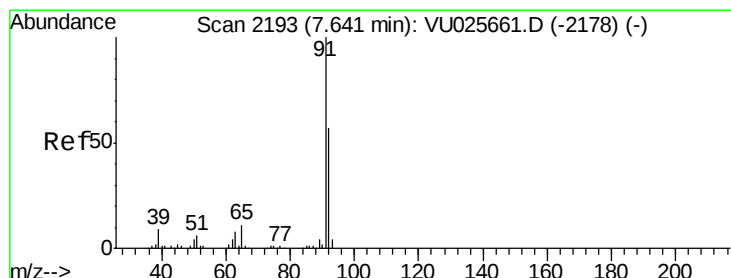
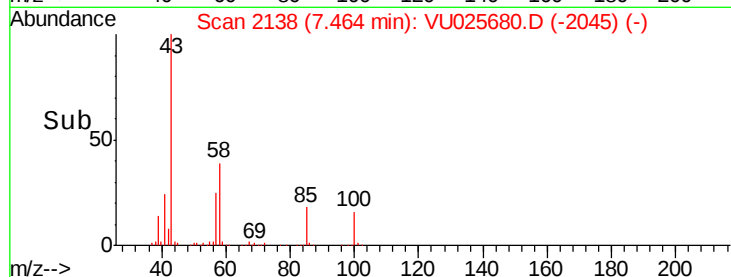
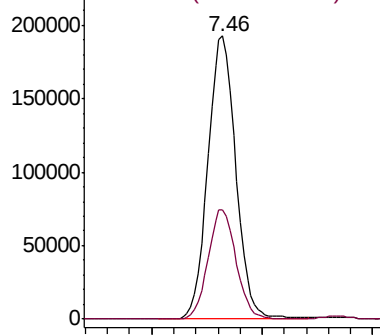
43 100

58 38.7 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.93 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025680.D

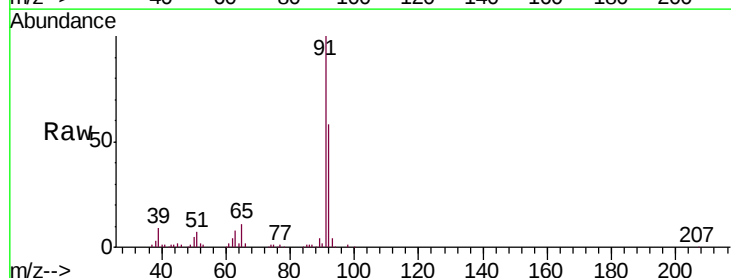
Acq: 27 Jul 2018 19:36

Tgt Ion: 92 Resp: 109510

Ion Ratio Lower Upper

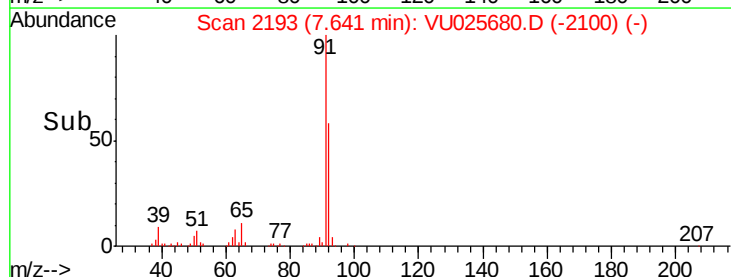
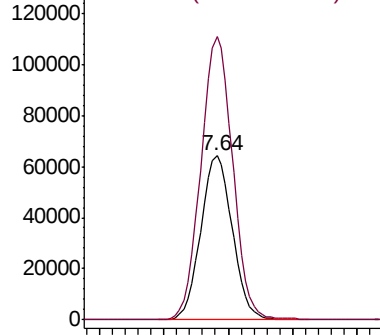
92 100

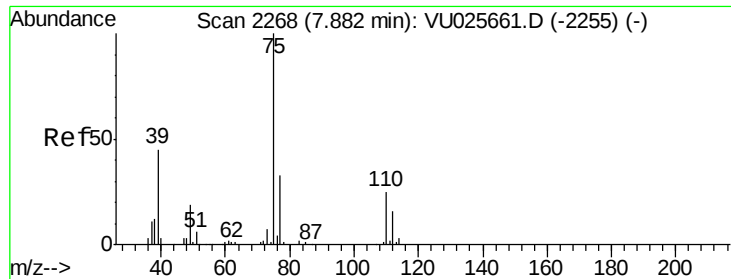
91 173.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

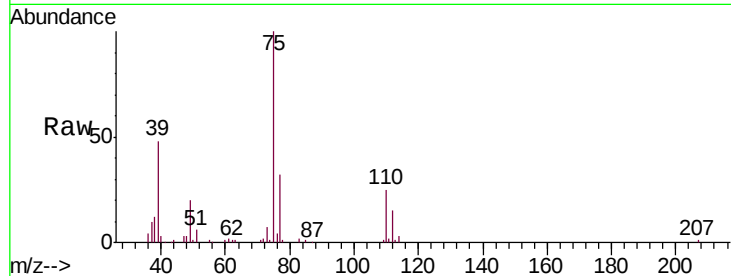
VU0727WBSD01

Tot Ion: 75 Resp: 67771

Ion Ratio Lower Upper

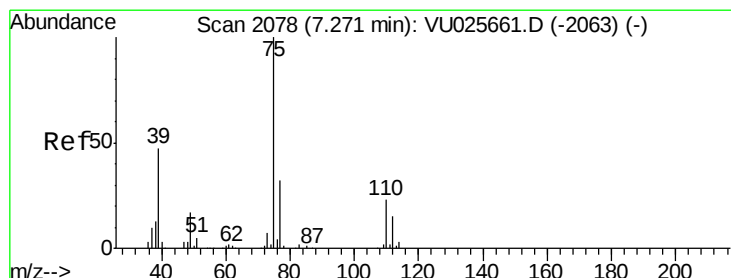
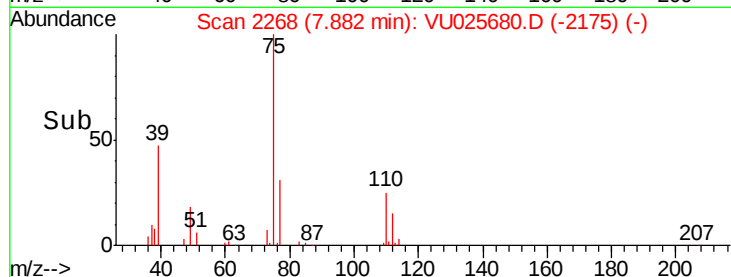
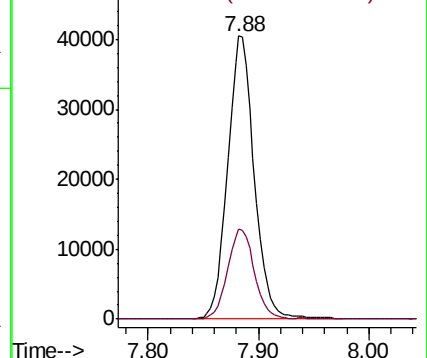
75 100

77 31.6 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

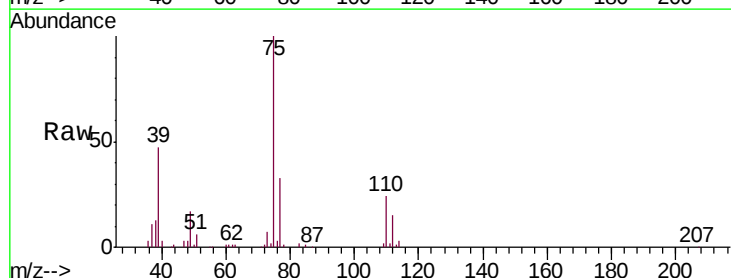
Tgt Ion: 75 Resp: 71496

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

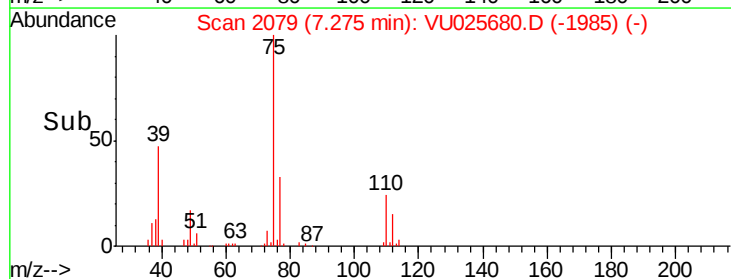
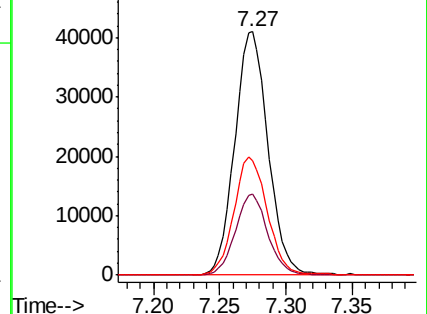
39 47.0 40.0 60.0

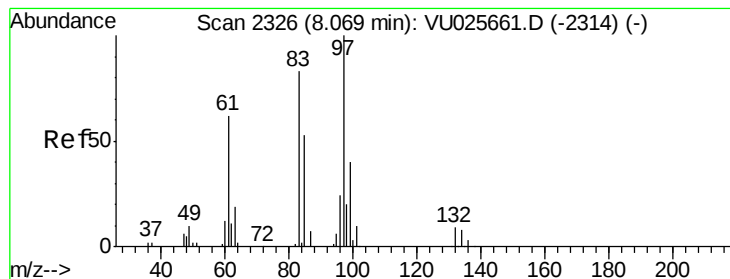


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 19.20 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion: 97 Resp: 43847

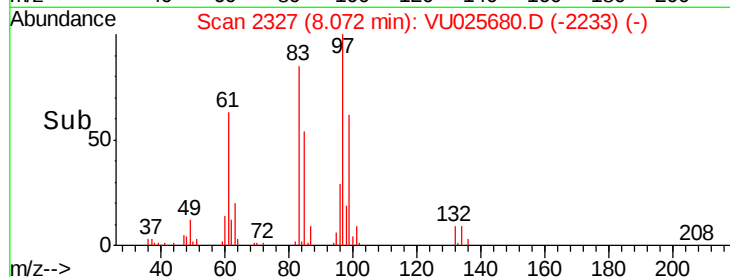
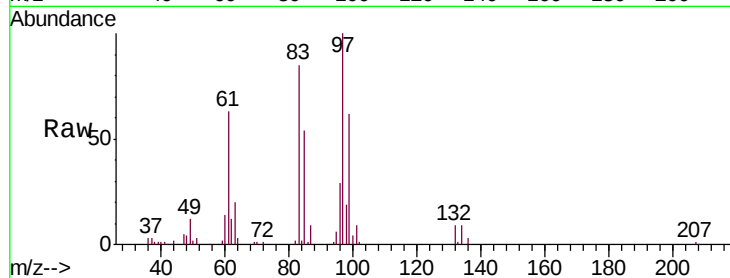
Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.9	103.3
85	54.6	44.4	66.6
99	62.6	51.0	76.4

97 100

83 85.5 68.9 103.3

85 54.6 44.4 66.6

99 62.6 51.0 76.4



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

Time-->

8.00 8.05 8.10 8.15

40000

30000

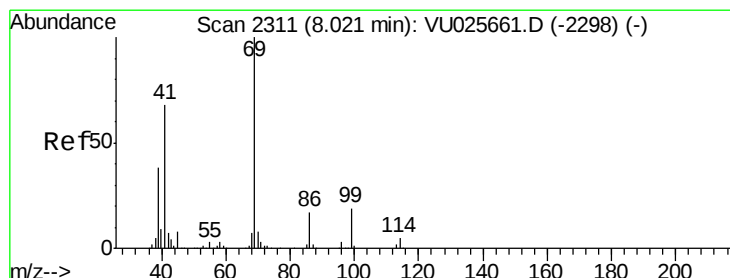
20000

10000

0

8.07

8.00 8.05 8.10 8.15



#56

Ethyl methacrylate

Concen: 19.88 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

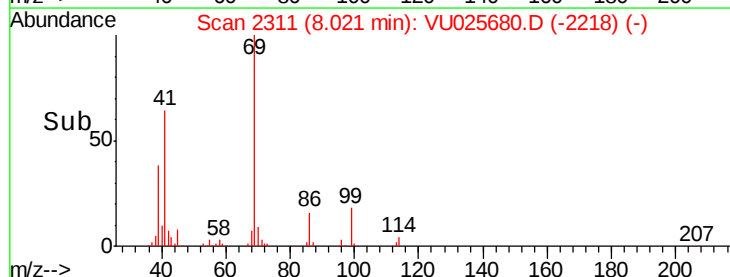
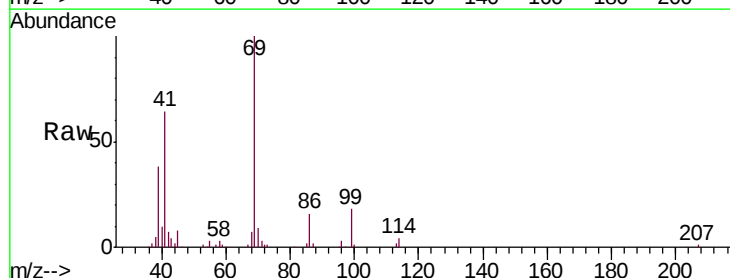
Tgt Ion: 69 Resp: 64877

Ion	Ratio	Lower	Upper
69	100		
41	65.8	54.8	82.2
39	38.8	31.1	46.7

69 100

41 65.8 54.8 82.2

39 38.8 31.1 46.7



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

Time-->

7.95 8.00 8.05 8.10

50000

40000

30000

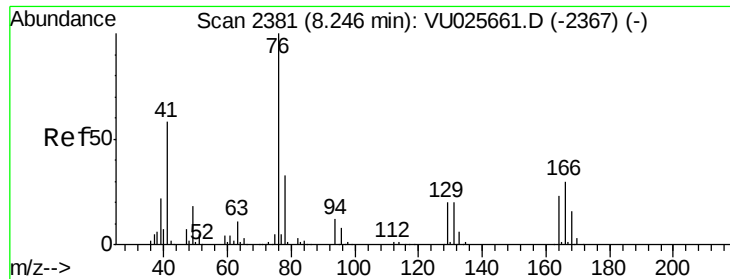
20000

10000

0

8.02

7.95 8.00 8.05 8.10



#57

1,3-Dichloropropane

Concen: 19.51 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

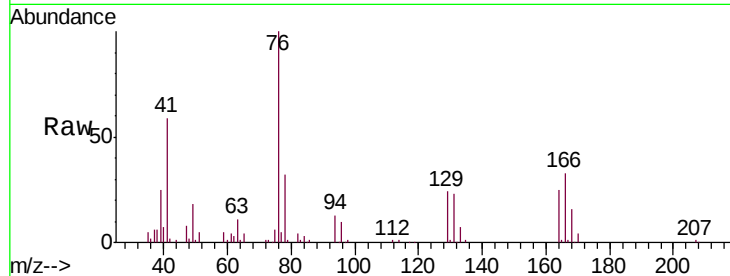
VU0727WBSD01

Tot Ion: 76 Resp: 74912

Ion Ratio Lower Upper

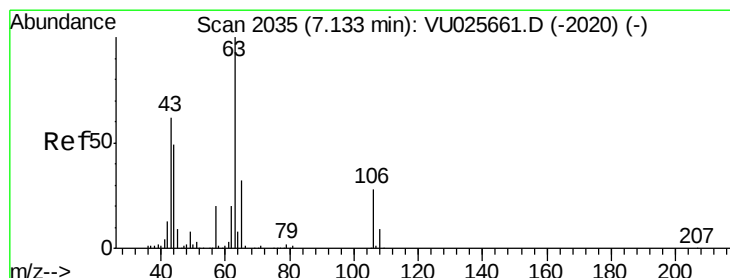
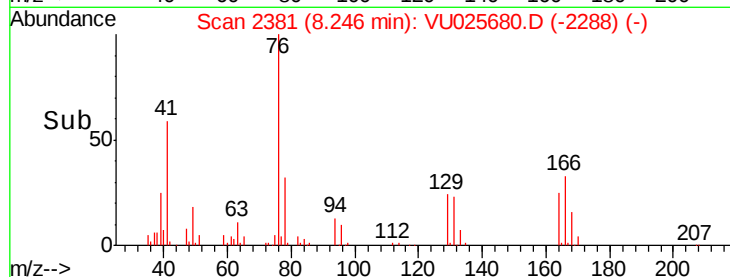
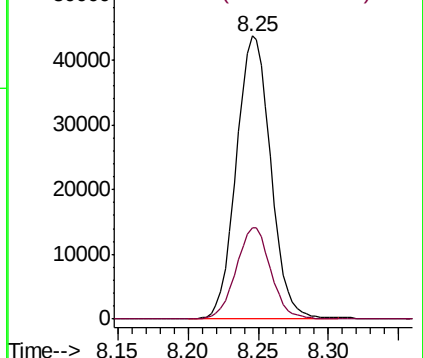
76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 97.38 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025680.D

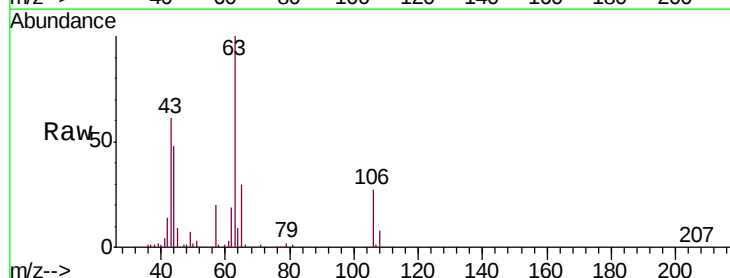
Acq: 27 Jul 2018 19:36

Tgt Ion: 63 Resp: 137308

Ion Ratio Lower Upper

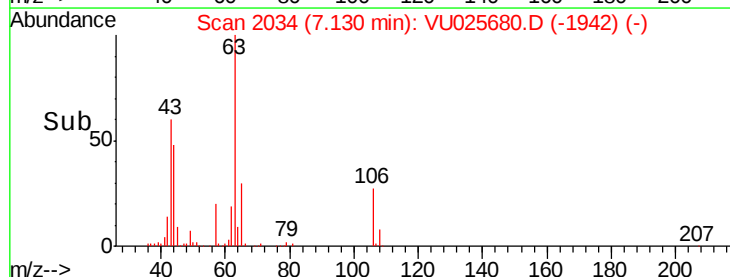
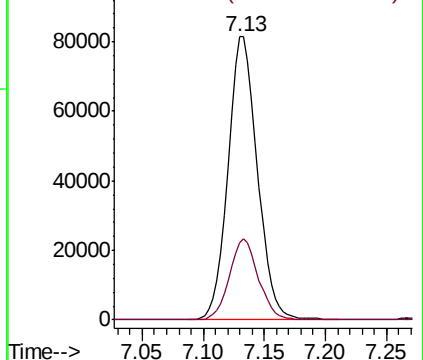
63 100

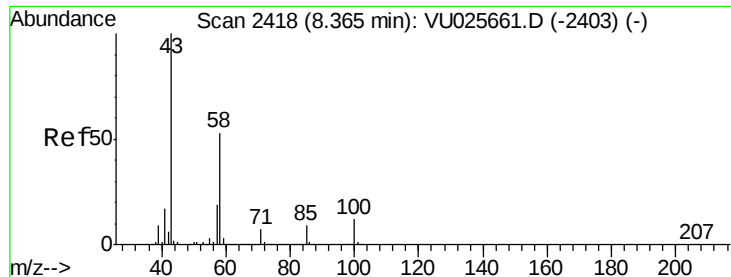
106 28.0 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

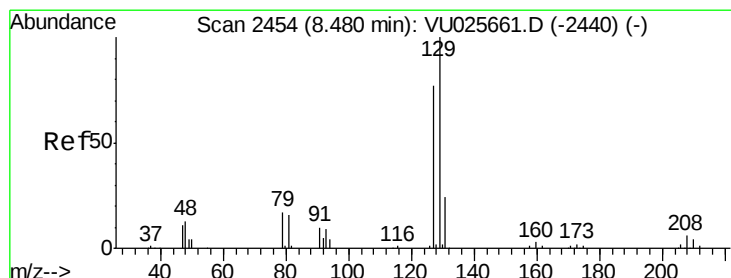
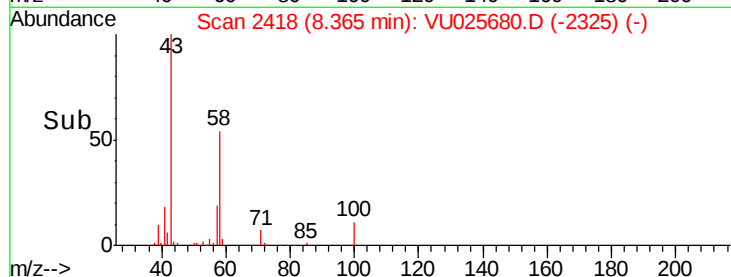
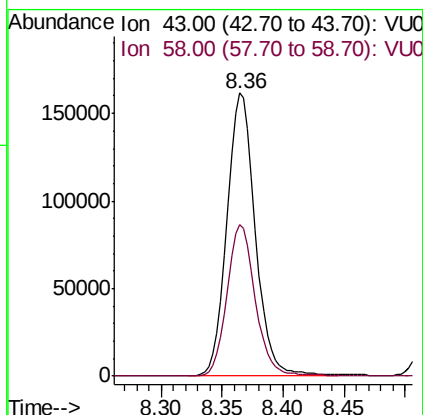
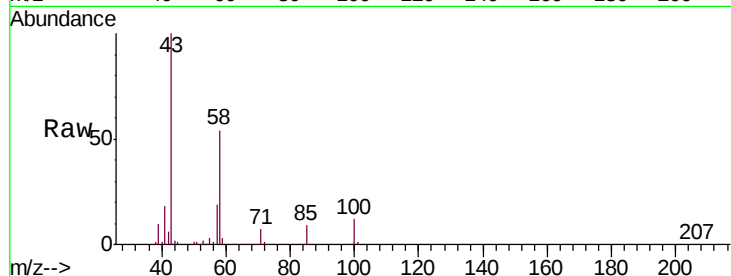




#59
2-Hexanone
Concen: 103.86 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

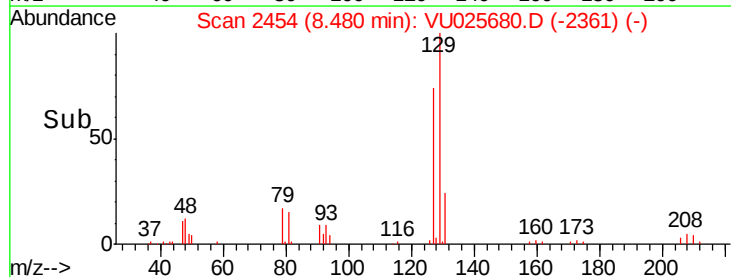
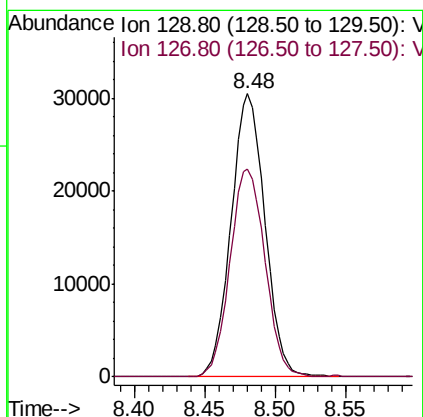
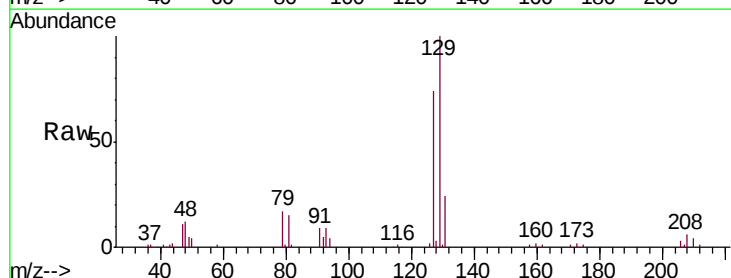
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

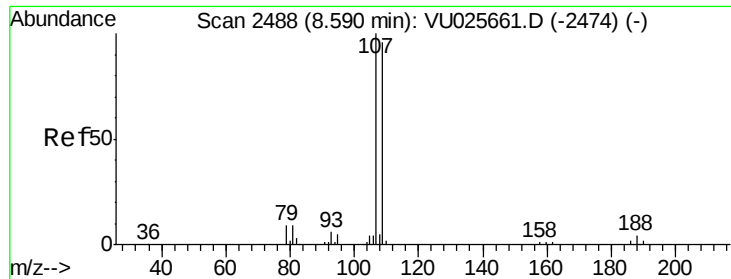
Tot Ion: 43 Resp: 264288
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5



#60
Dibromochloromethane
Concen: 19.08 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:129 Resp: 51384
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.89 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

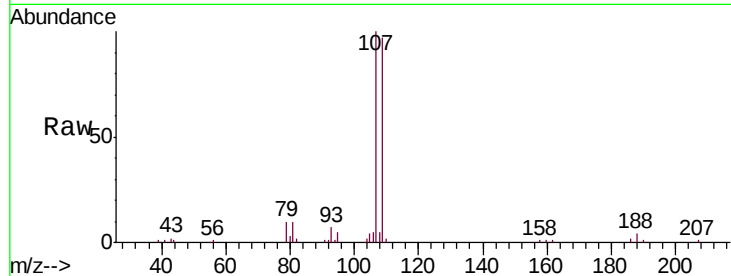
VU0727WBSD01

Tot Ion:107 Resp: 50516

Ion Ratio Lower Upper

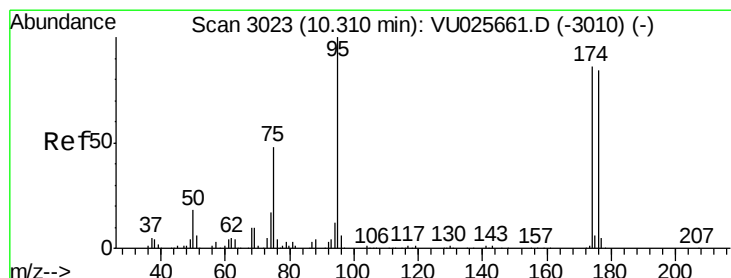
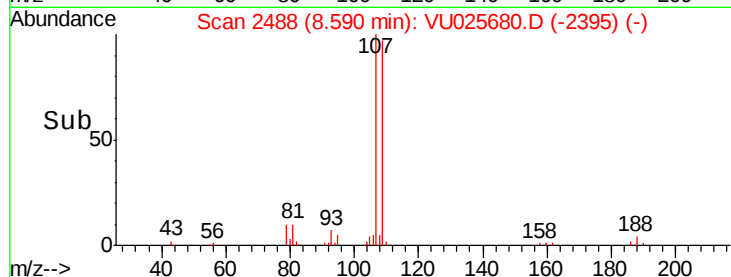
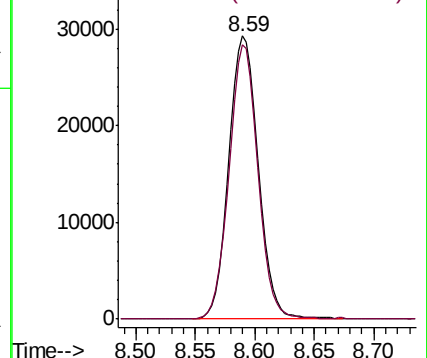
107 100

109 94.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.58 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

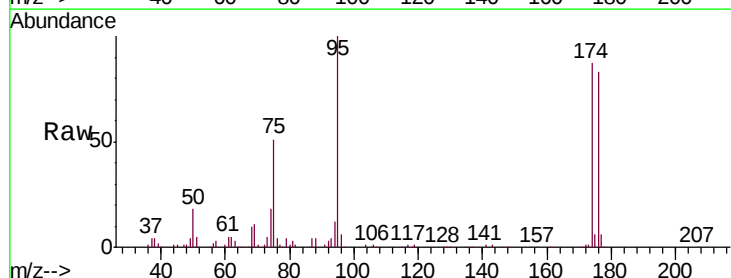
Tgt Ion: 95 Resp: 148612

Ion Ratio Lower Upper

95 100

174 88.3 0.0 172.2

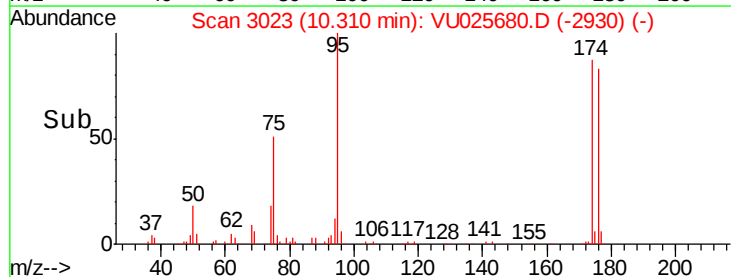
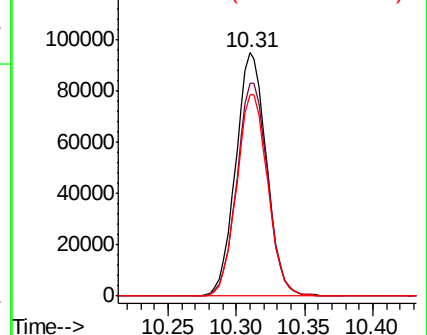
176 84.0 0.0 162.6

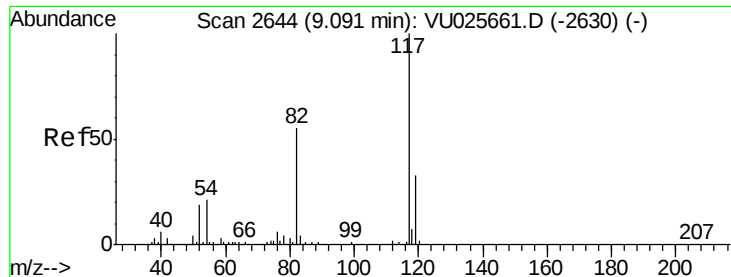


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

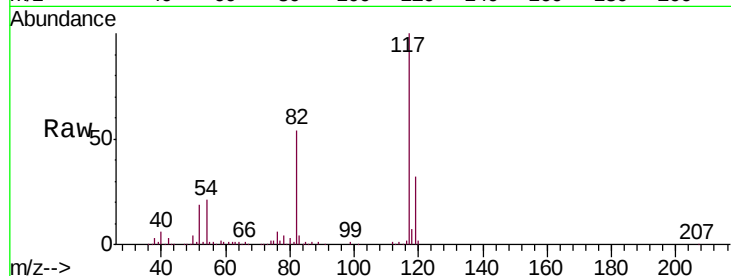




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	46.0	69.0
119	32.2	26.0	39.0

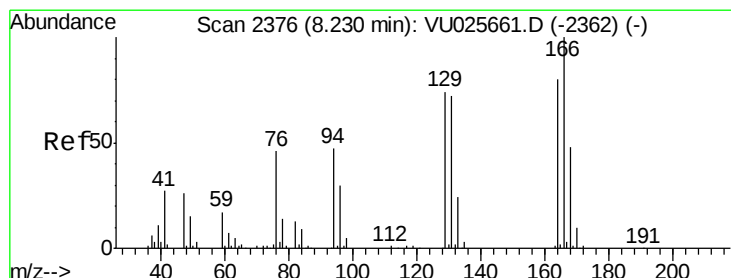
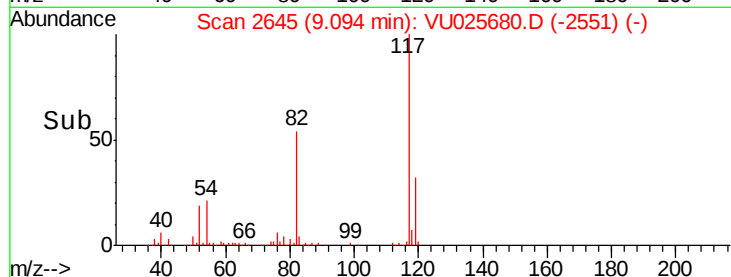
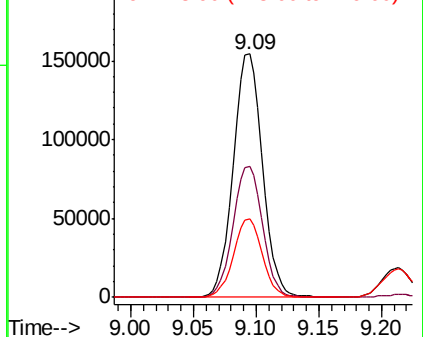


Abundance

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: 19.38 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.1	151.7
129	92.7	73.0	109.6
131	92.7	72.1	108.1

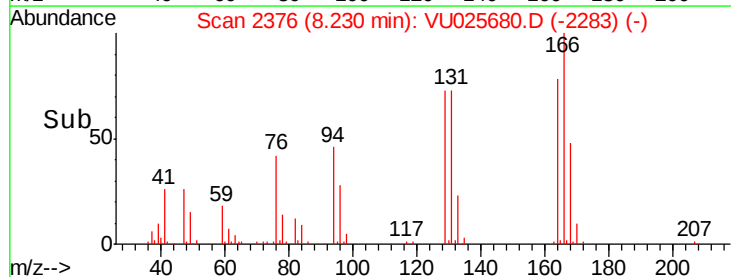
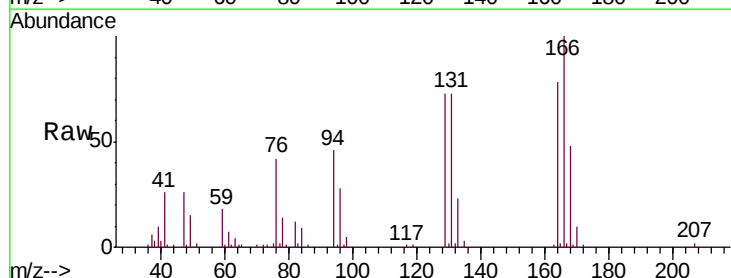
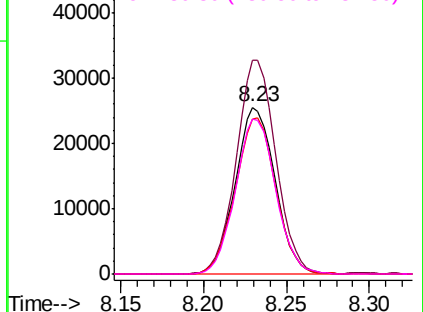
Abundance

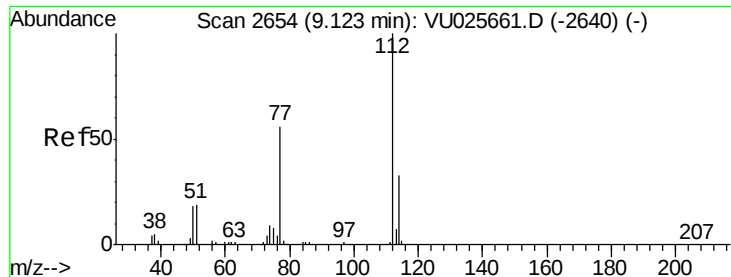
Ion 163.80 (163.50 to 164.50): V

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

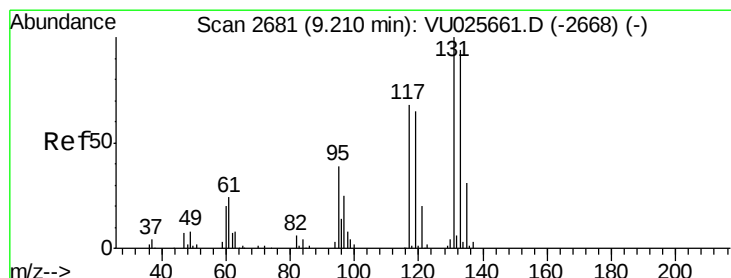
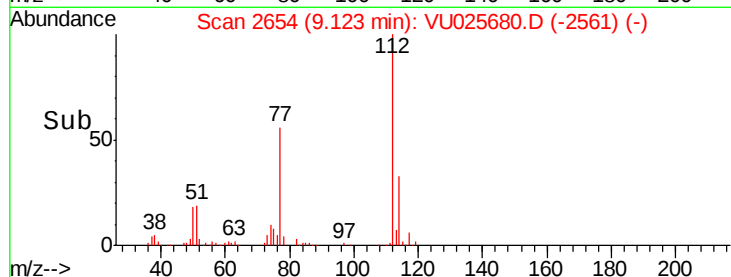
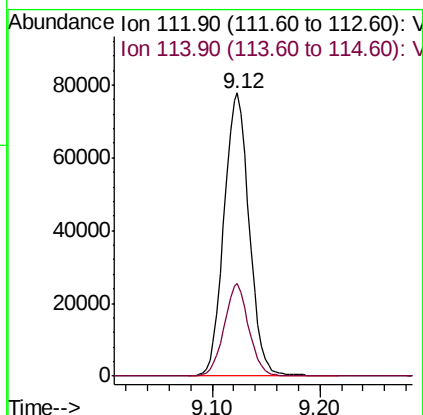
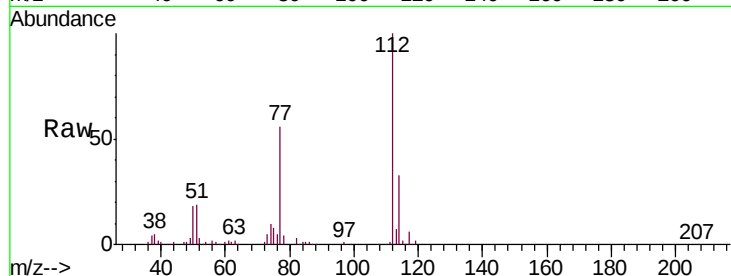




#65
Chlorobenzene
Concen: 19.66 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

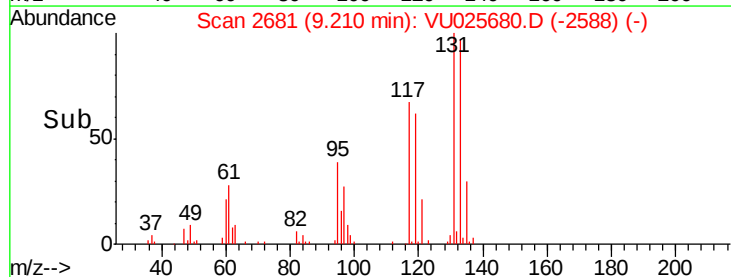
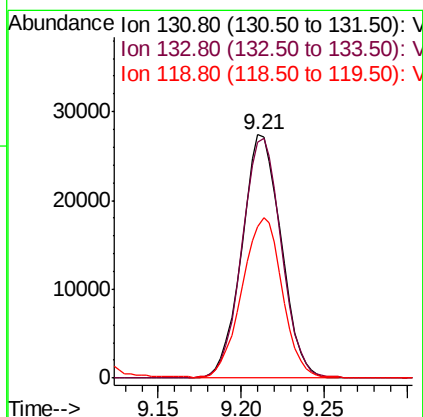
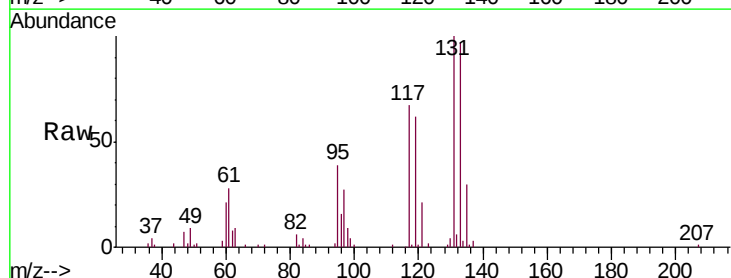
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

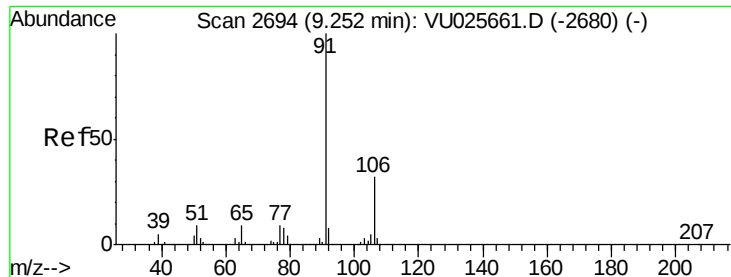
Tot Ion:112 Resp: 126761
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.44 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:131 Resp: 45347
Ion Ratio Lower Upper
131 100
133 98.5 47.8 143.3
119 67.8 31.6 95.0





#67

Ethyl Benzene

Concen: 19.38 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

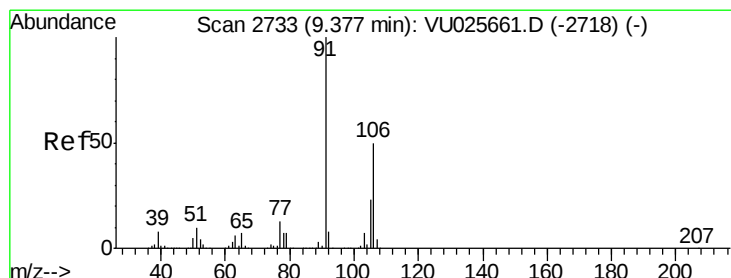
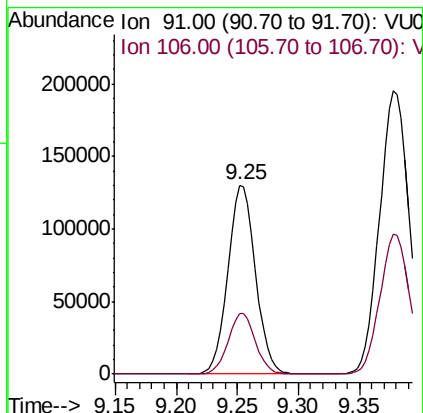
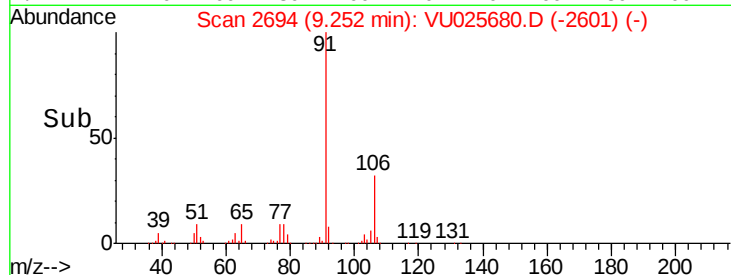
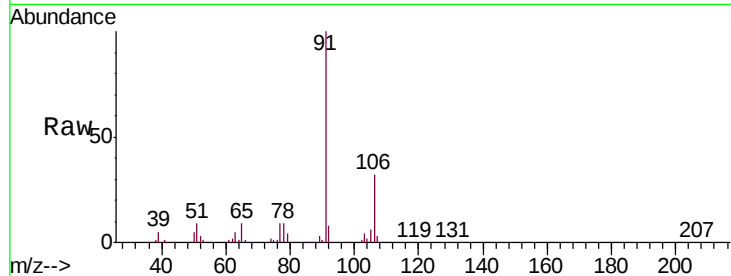
VU0727WBSD01

Tot Ion: 91 Resp: 207047

Ion Ratio Lower Upper

91 100

106 31.8 25.3 37.9



#68

m/p-Xylenes

Concen: 39.67 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025680.D

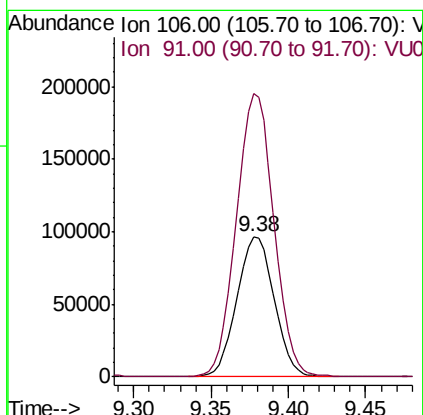
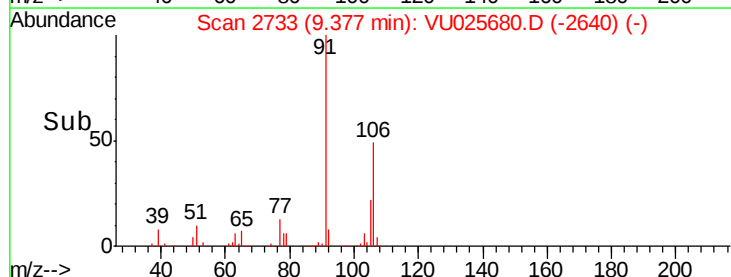
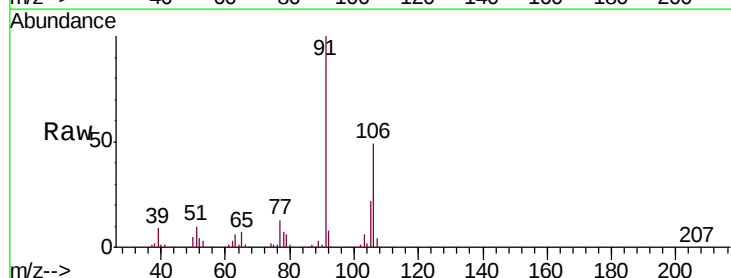
Acq: 27 Jul 2018 19:36

Tgt Ion: 106 Resp: 162690

Ion Ratio Lower Upper

106 100

91 202.1 162.3 243.5

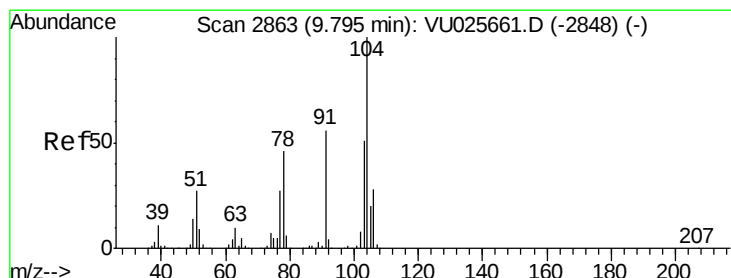
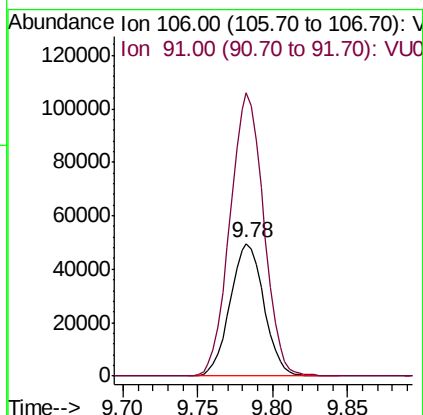
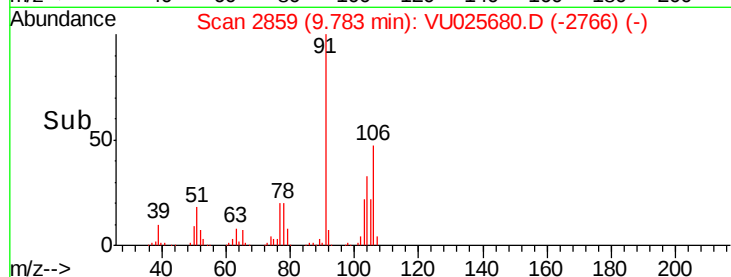
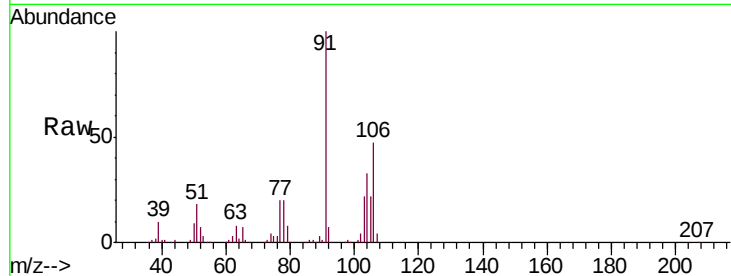




#69
o-Xylene
Concen: 19.49 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

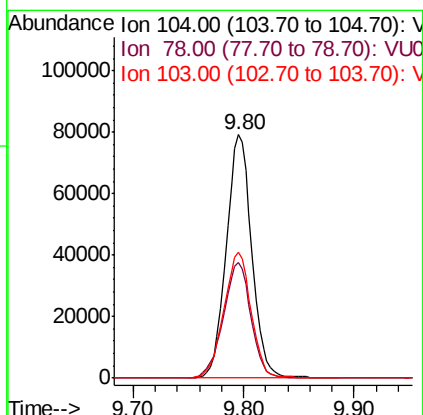
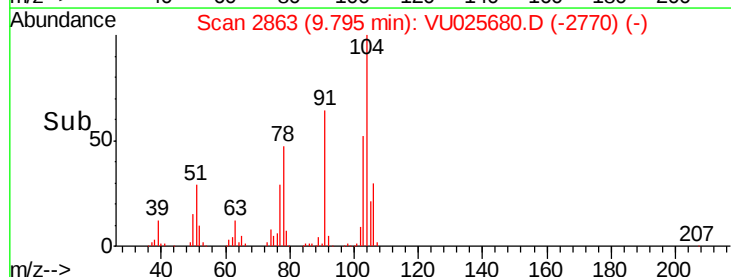
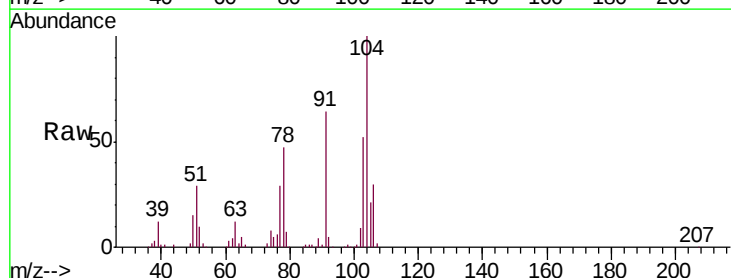
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

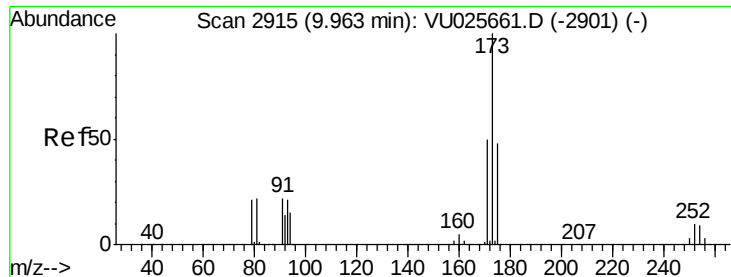
Tot Ion:106 Resp: 78110
Ion Ratio Lower Upper
106 100
91 212.7 105.3 315.8



#70
Styrene
Concen: 19.59 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:104 Resp: 126819
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 55.1 44.6 66.8





#71

Bromoform

Concen: 19.08 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

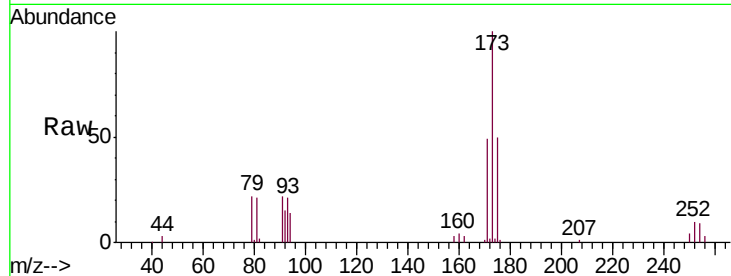
Tot Ion:173 Resp: 38604

Ion Ratio Lower Upper

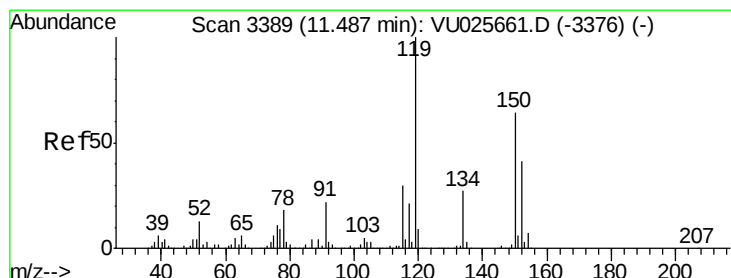
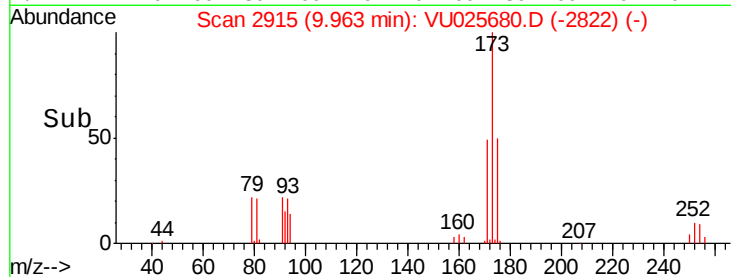
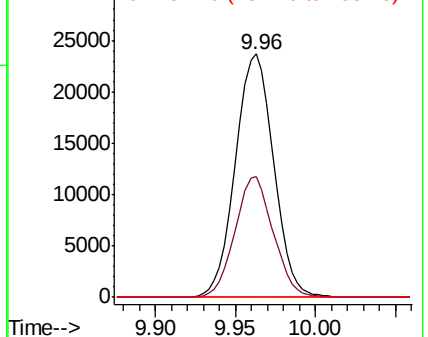
173 100

175 49.3 24.0 72.0

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

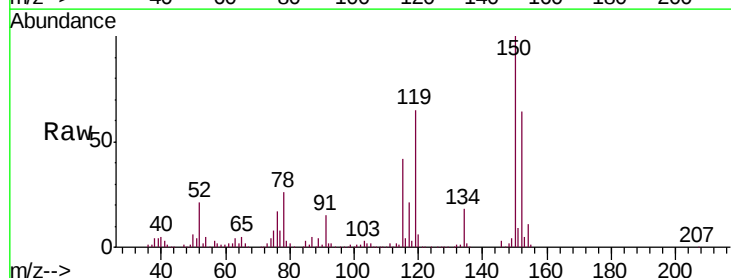
Tgt Ion:152 Resp: 156224

Ion Ratio Lower Upper

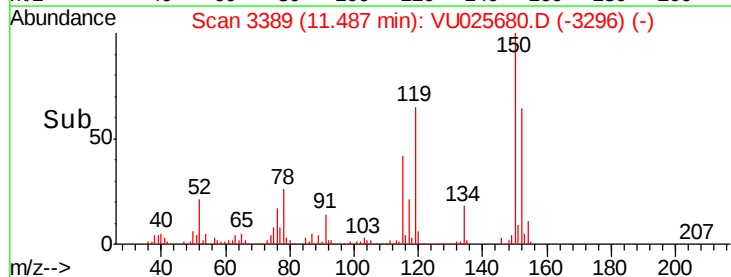
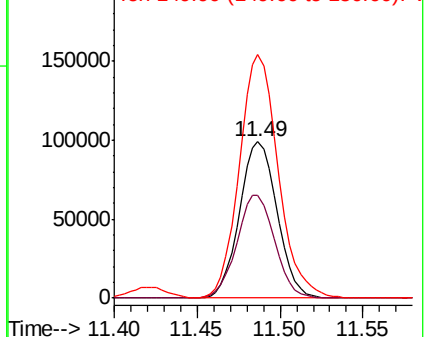
152 100

115 66.5 40.1 120.3

150 161.5 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.02 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

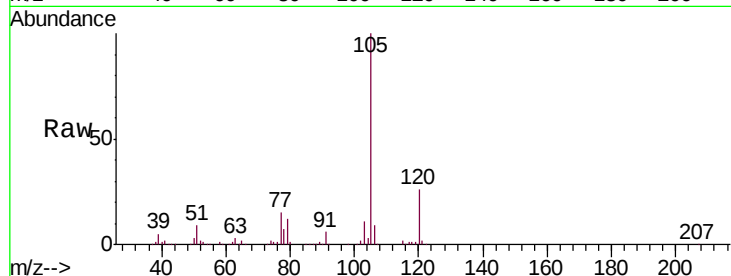
VU0727WBSD01

Tot Ion:105 Resp: 213462

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

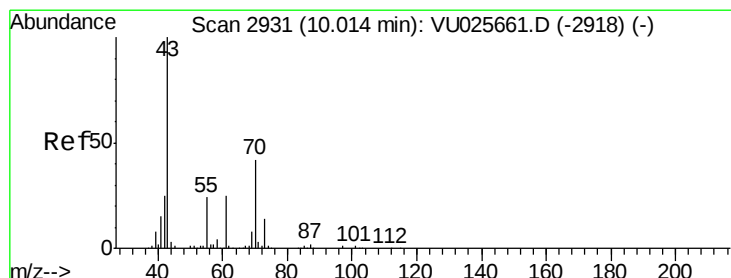
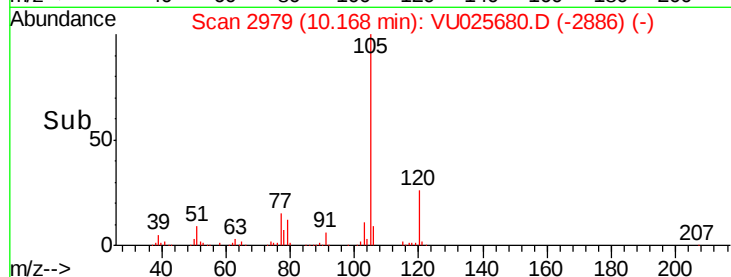
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.93 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion: 43 Resp: 91109

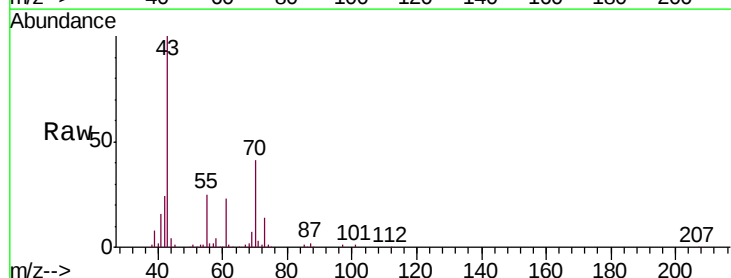
Ion Ratio Lower Upper

43 100

70 40.4 33.4 50.2

55 24.3 19.0 28.6

61 23.0 19.3 28.9



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

80000

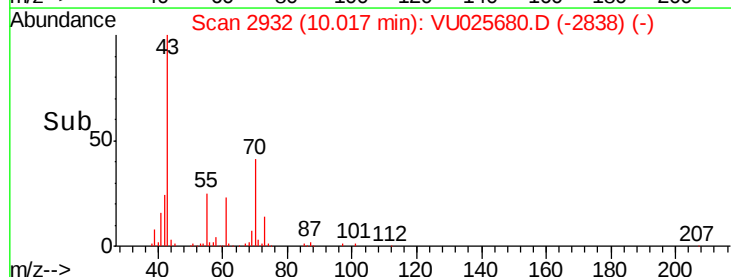
60000

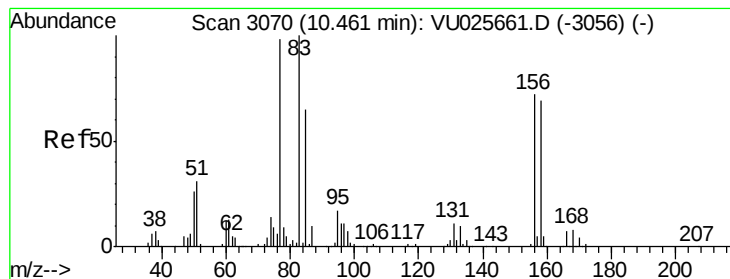
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.32 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

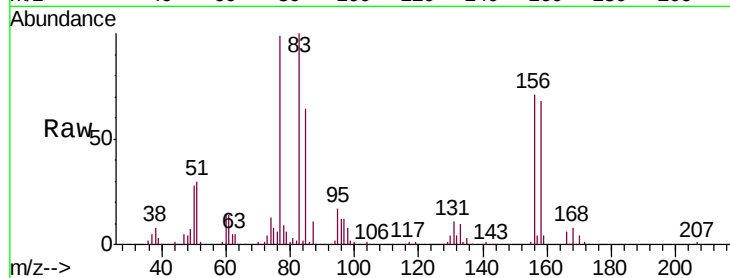
Tot Ion: 83 Resp: 74941

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

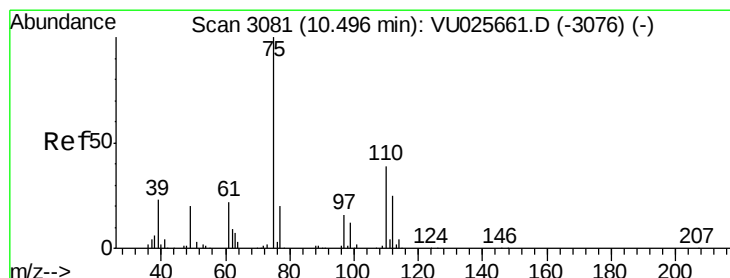
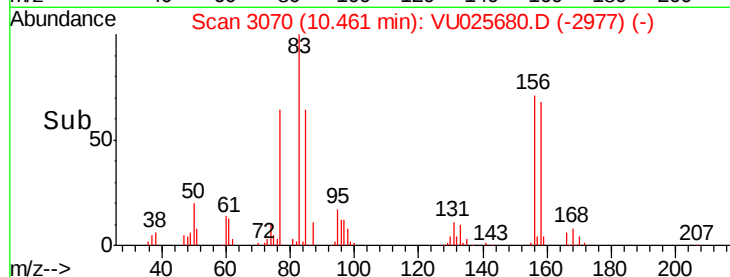
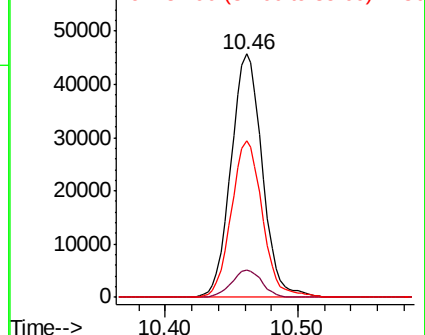
85 64.0 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025680.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025680.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025680.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 25.04 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025680.D

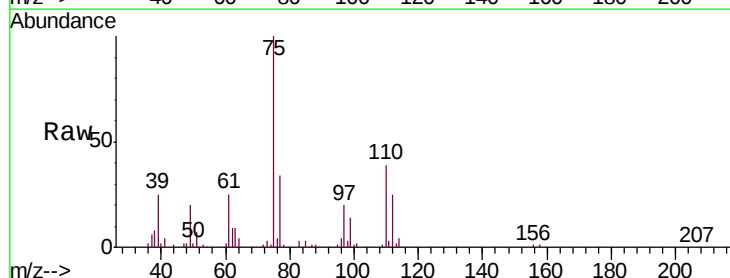
Acq: 27 Jul 2018 19:36

Tgt Ion: 75 Resp: 86189

Ion Ratio Lower Upper

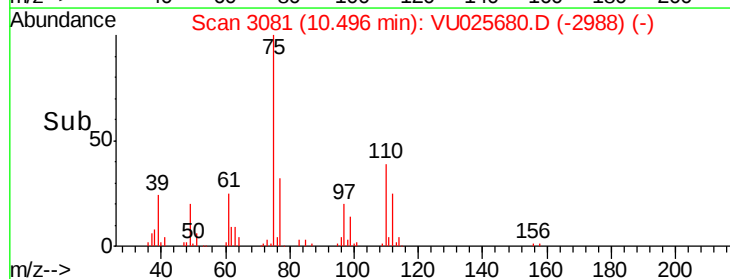
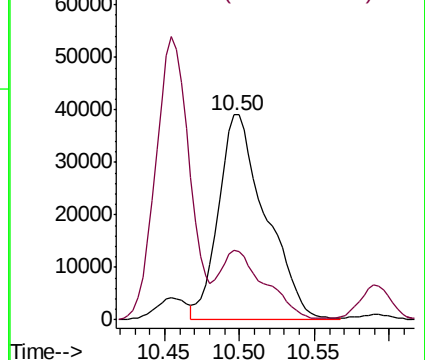
75 100

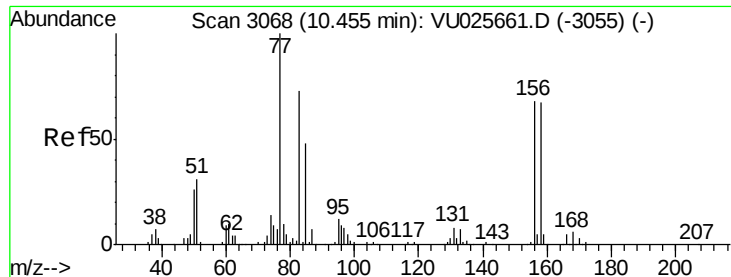
77 32.7 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025680.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025680.D (-2988) (-)





#77

Bromobenzene

Concen: 19.60 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

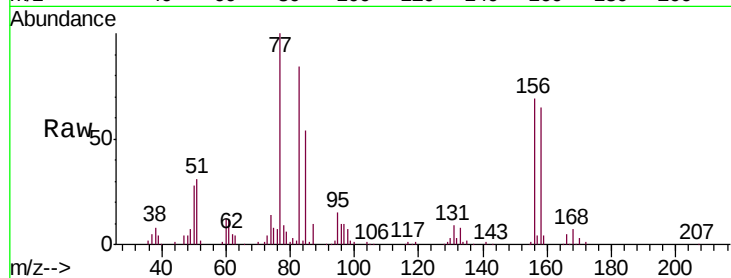
Tot Ion:156 Resp: 57652

Ion Ratio Lower Upper

156 100

77 146.7 73.8 221.4

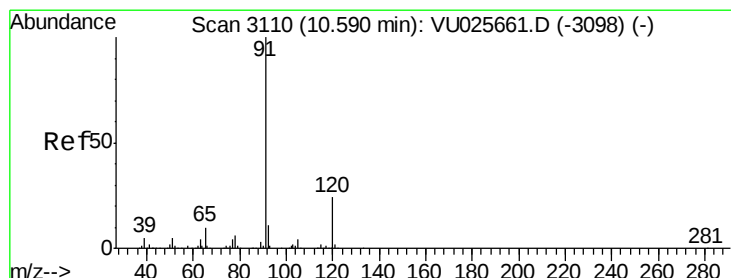
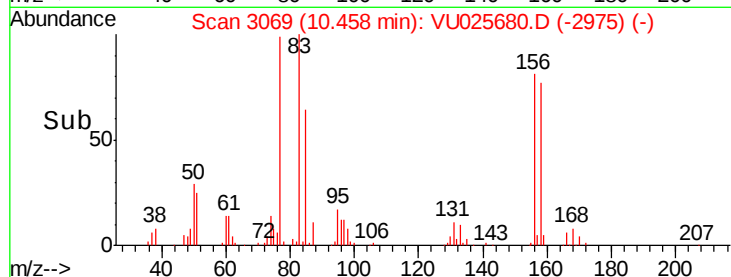
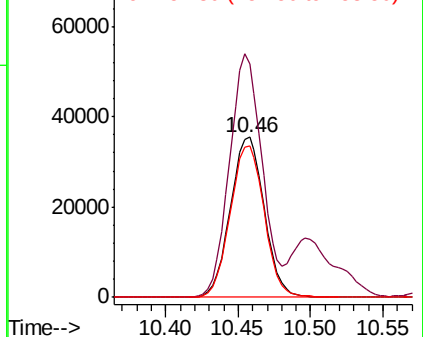
158 94.5 48.0 144.0



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: 19.91 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025680.D

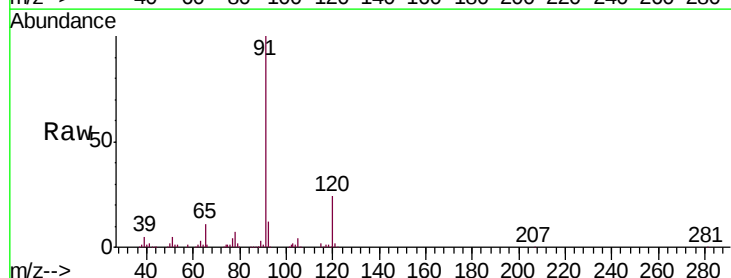
Acq: 27 Jul 2018 19:36

Tgt Ion: 91 Resp: 247826

Ion Ratio Lower Upper

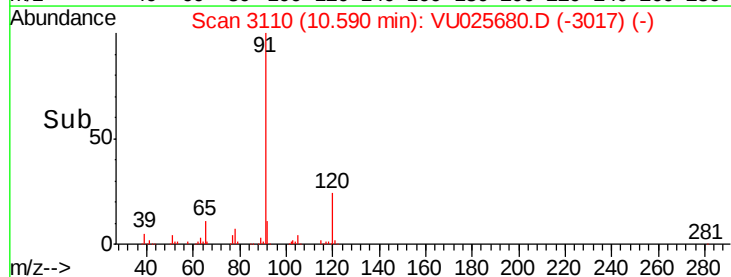
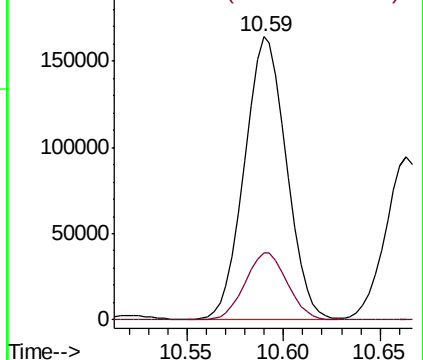
91 100

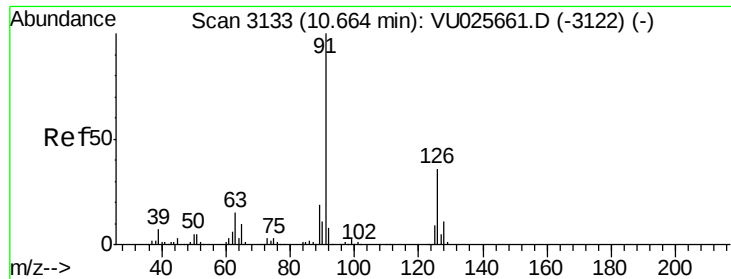
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.02 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

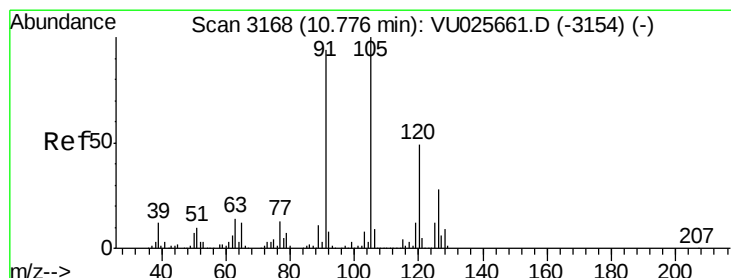
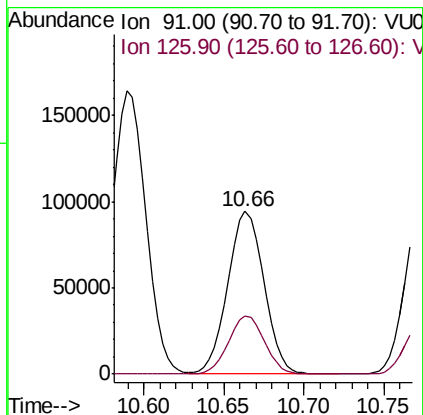
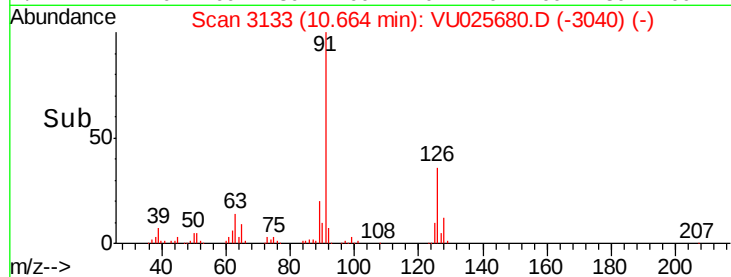
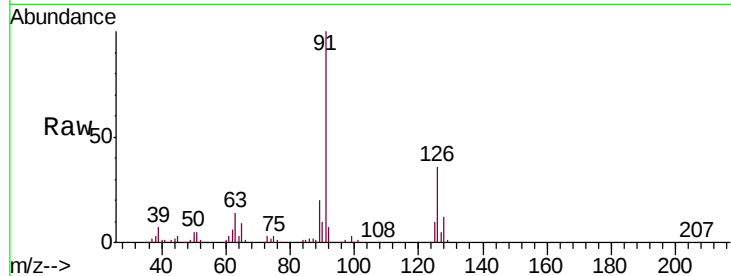
VU0727WBSD01

Tot Ion: 91 Resp: 145951

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.04 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025680.D

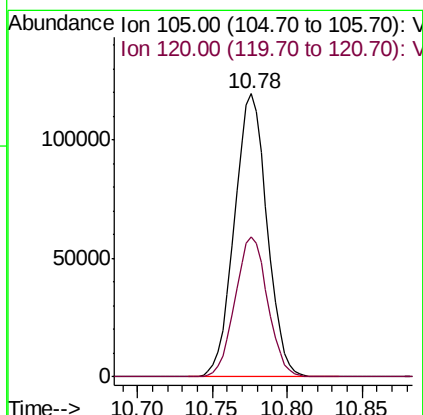
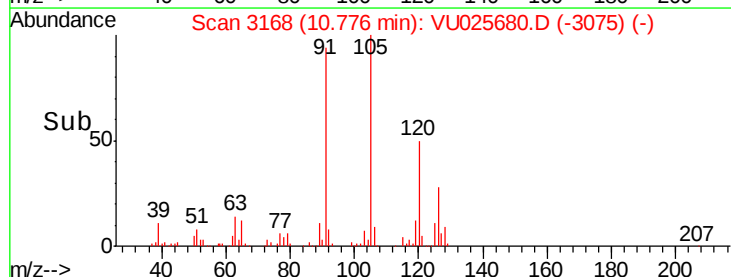
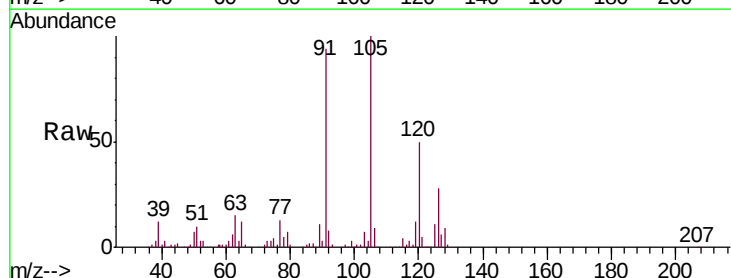
Acq: 27 Jul 2018 19:36

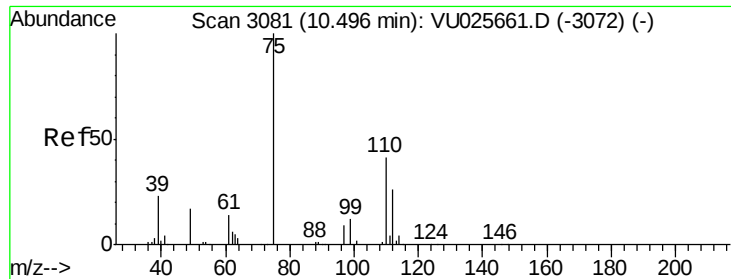
Tgt Ion: 105 Resp: 181476

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2

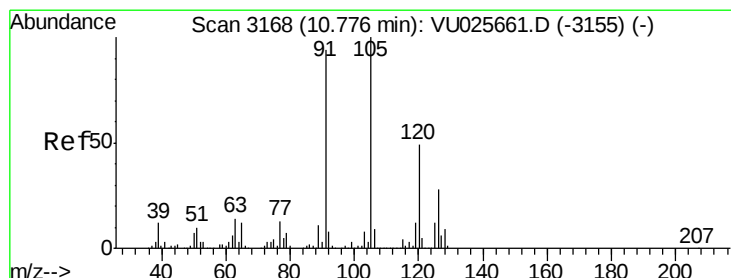
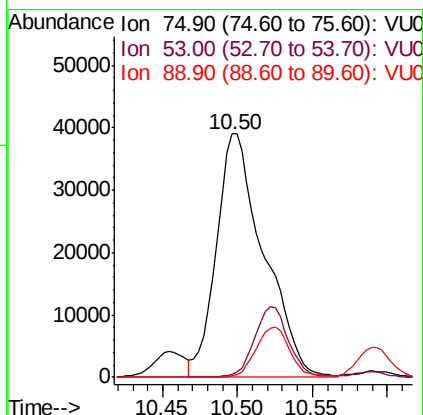
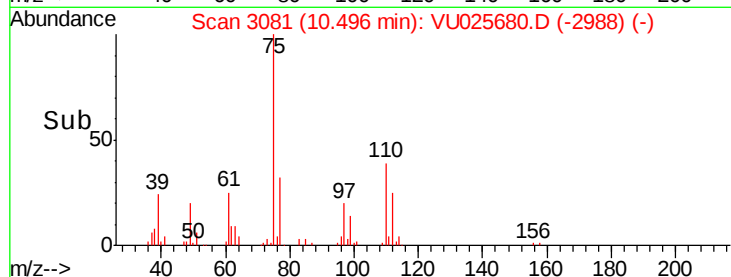
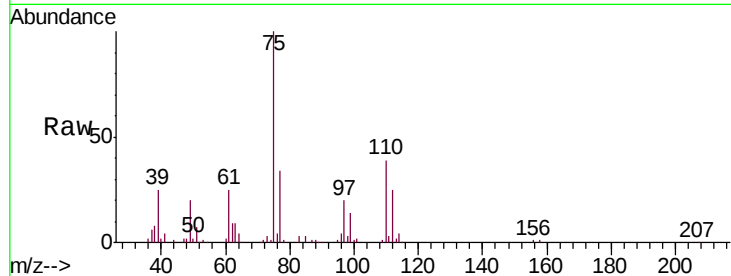




#81
trans-1,4-Dichloro-2-butene
Concen: 62.79 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

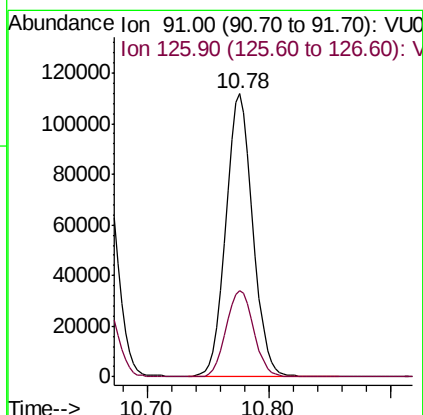
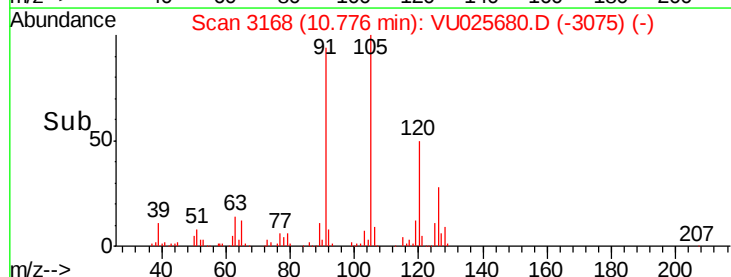
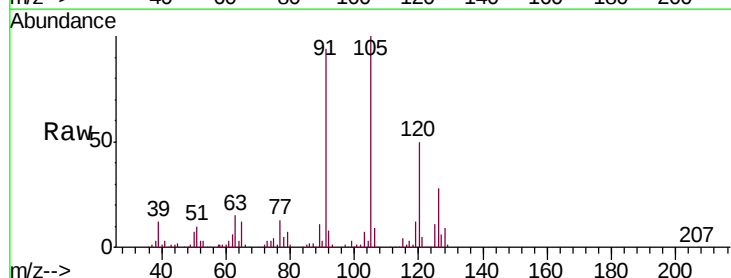
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion: 75 Resp: 86189
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.14 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 91 Resp: 173074
Ion Ratio Lower Upper
91 100
126 31.3 15.3 45.9

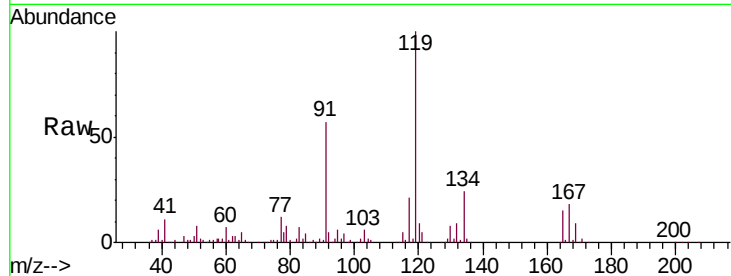




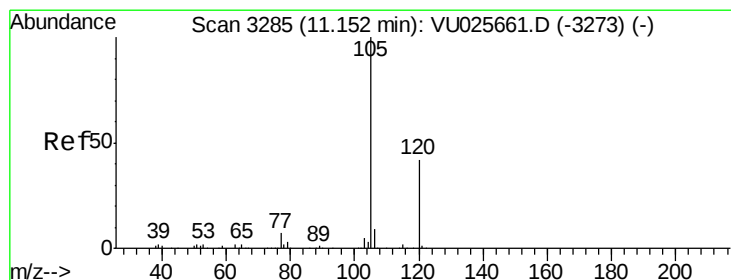
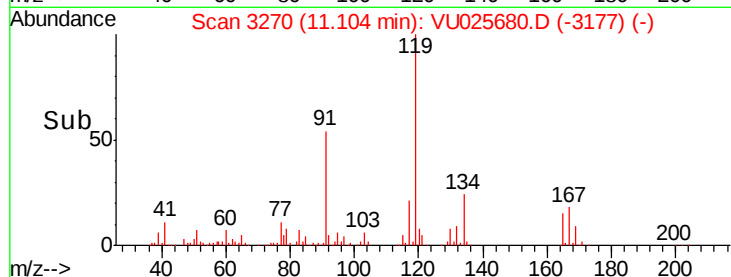
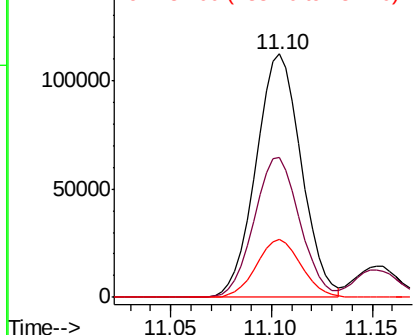
#83
 tert-Butylbenzene
 Concen: 19.60 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.7	89.1
134	23.5	11.5	34.5

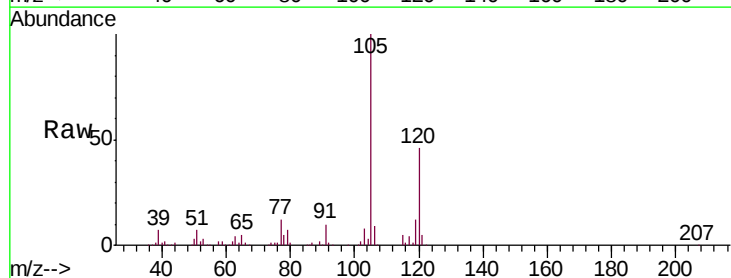


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

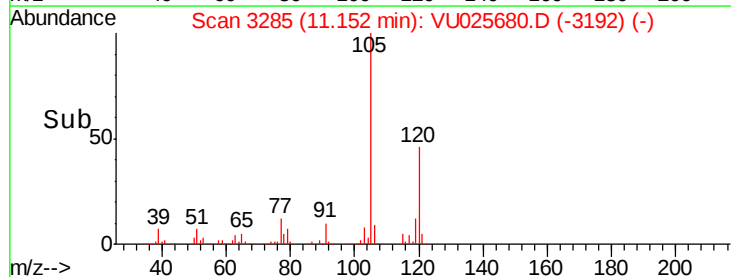
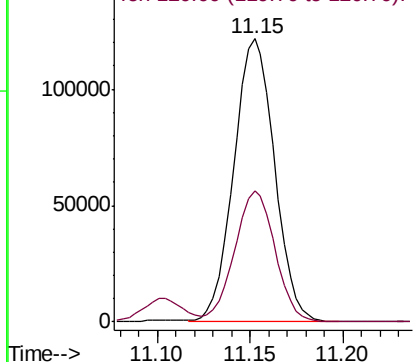


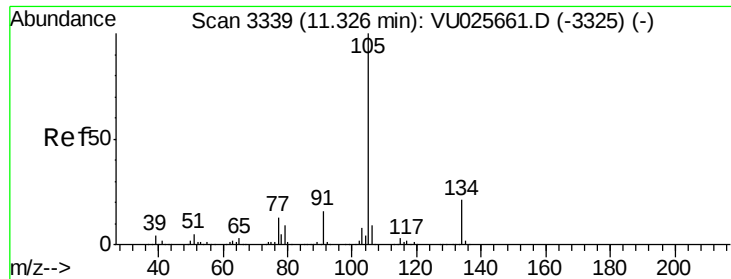
#84
 1,2,4-Trimethylbenzene
 Concen: 20.09 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8



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





#85

sec-Butylbenzene

Concen: 19.82 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

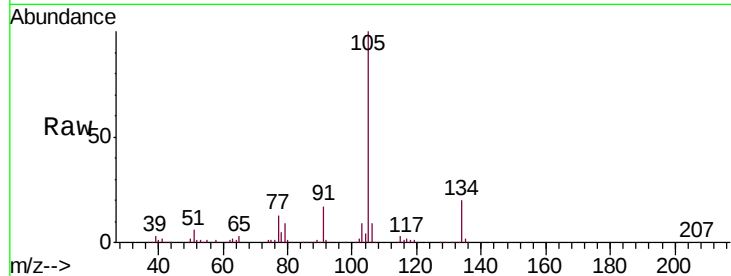
VU0727WBSD01

Tot Ion:105 Resp: 217758

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

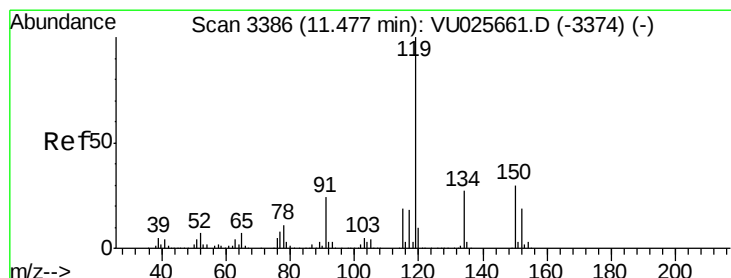
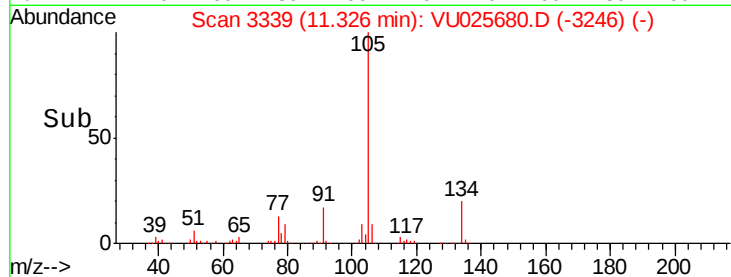
150000

100000

50000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 19.94 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

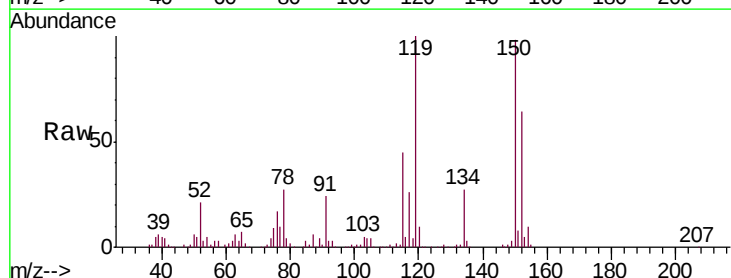
Tgt Ion:119 Resp: 196112

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 23.6 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

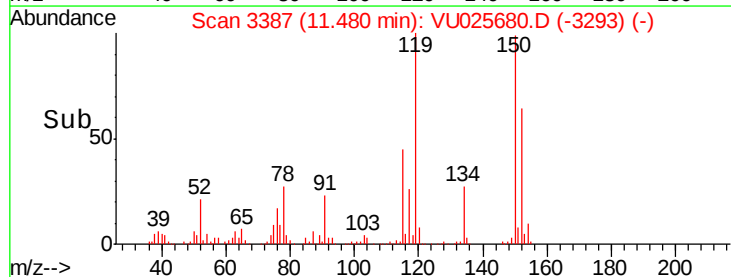
150000

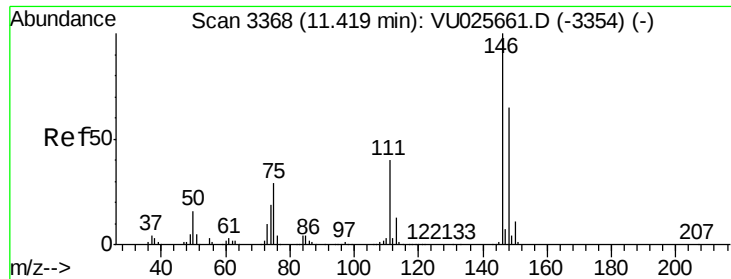
100000

50000

0

Time--> 11.40 11.45 11.50 11.55





#87

1,3-Dichlorobenzene

Concen: 19.57 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

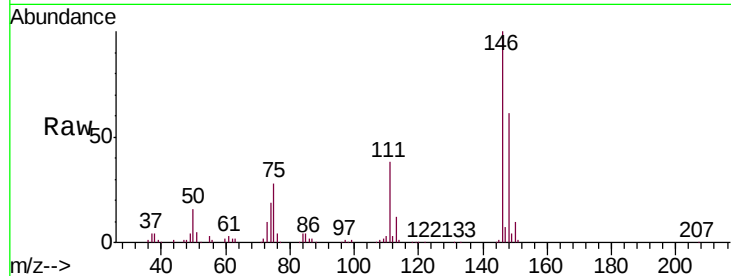
Tot Ion:146 Resp: 106819

Ion Ratio Lower Upper

146 100

111 38.4 19.7 59.1

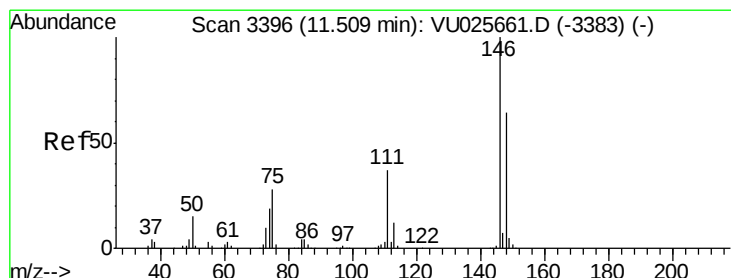
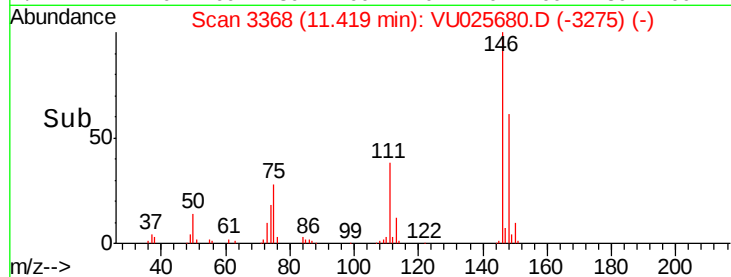
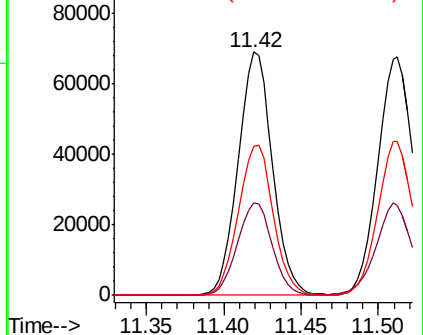
148 62.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

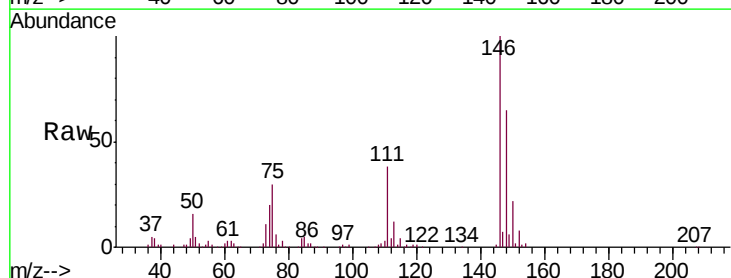
Tgt Ion:146 Resp: 109013

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.1

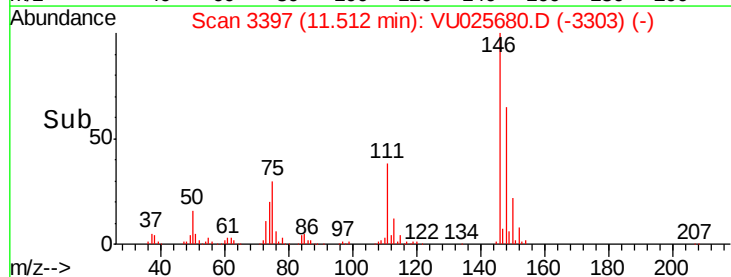
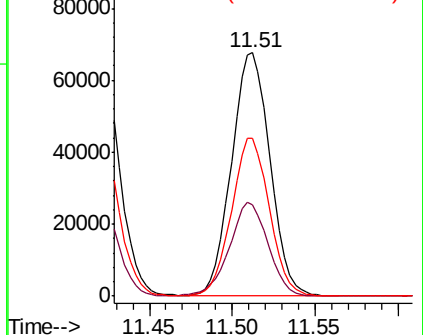
148 64.1 31.7 95.1

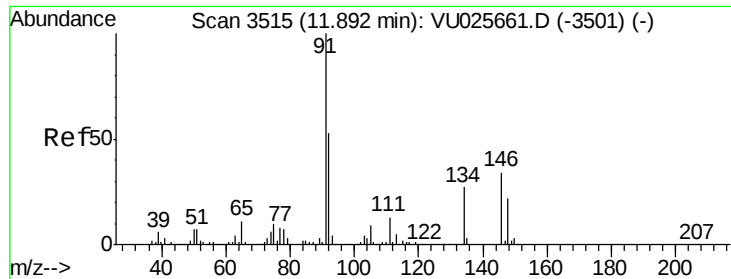


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

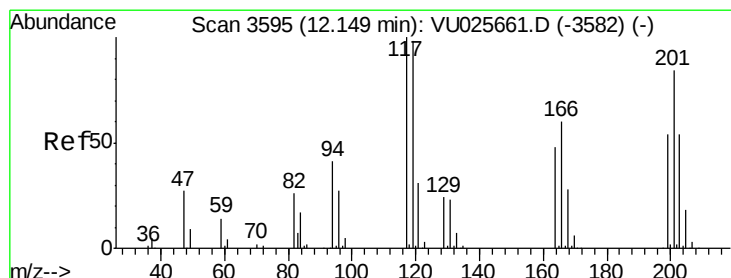
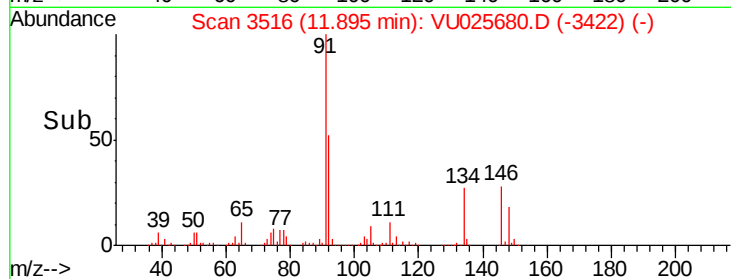
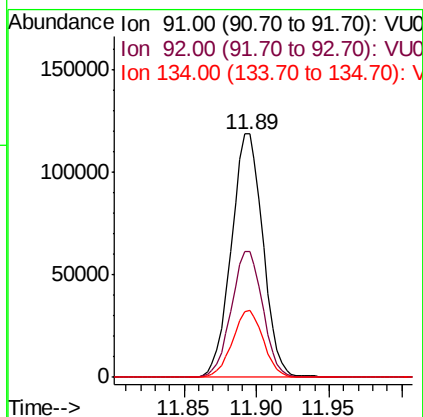
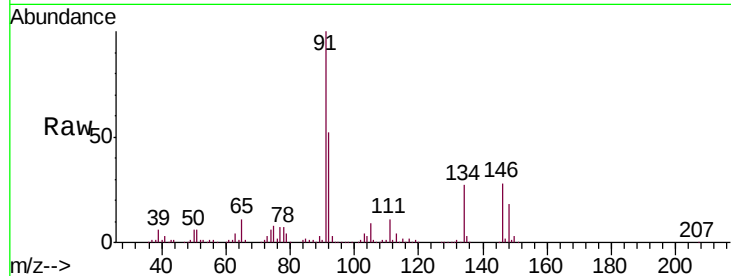




#89
n-Butylbenzene
Concen: 19.76 ug/l
RT: 11.89 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

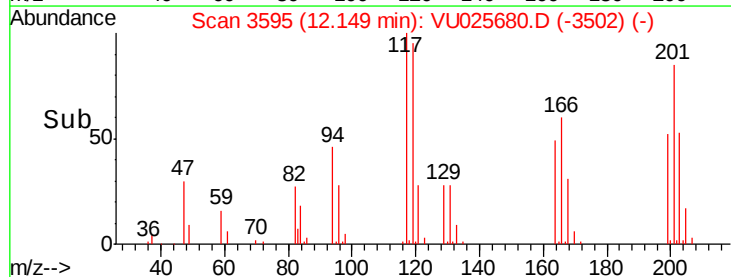
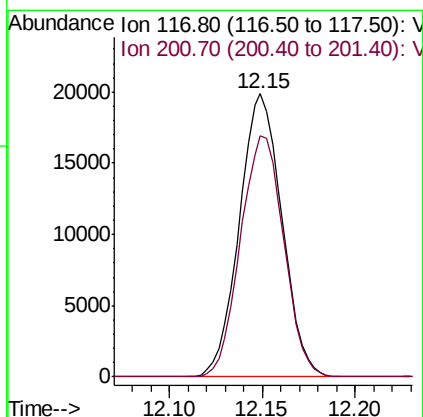
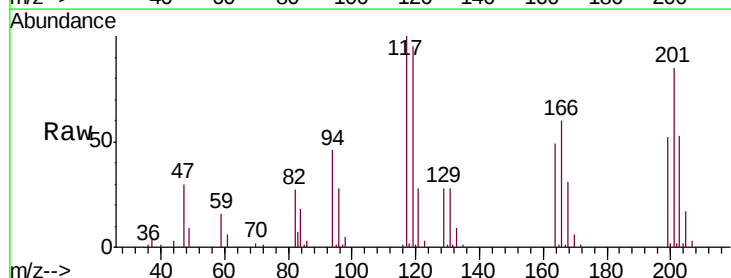
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

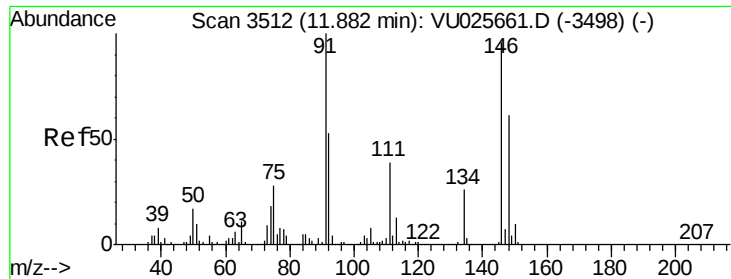
Tot Ion: 91 Resp: 179368
Ion Ratio Lower Upper
91 100
92 51.2 26.5 79.5
134 26.7 13.6 40.7



#90
Hexachloroethane
Concen: 18.10 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 117 Resp: 31649
Ion Ratio Lower Upper
117 100
201 86.5 42.5 127.6

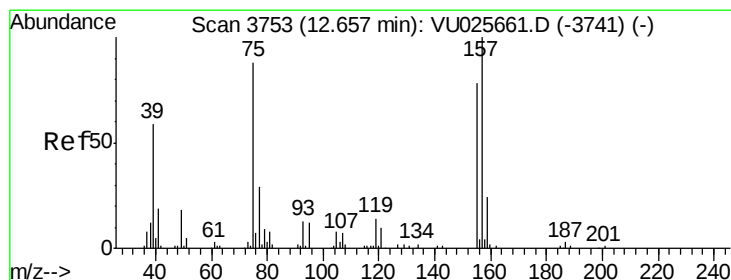
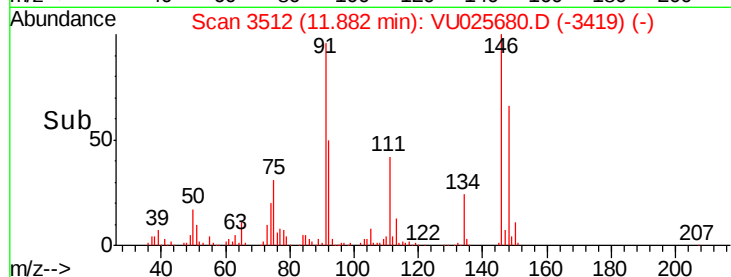
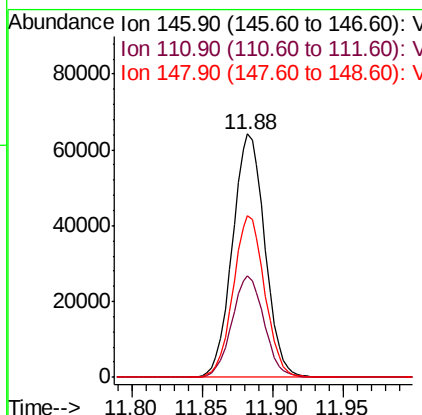
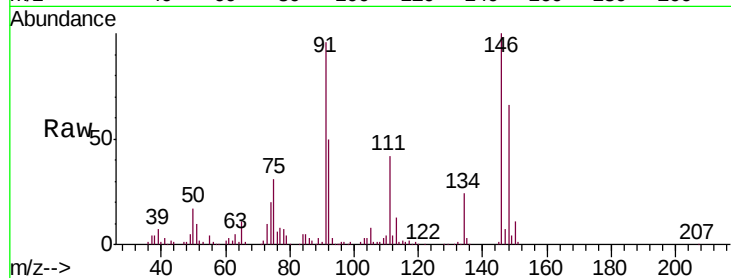




#91
 1,2-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

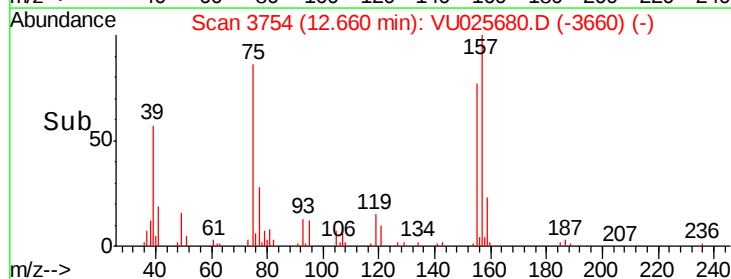
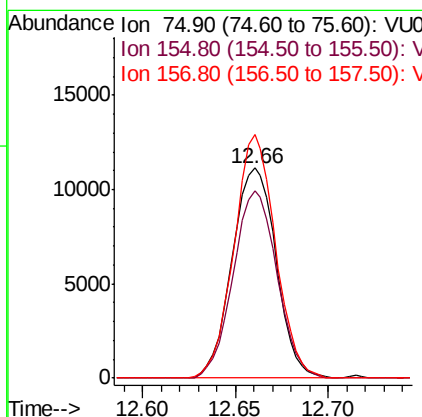
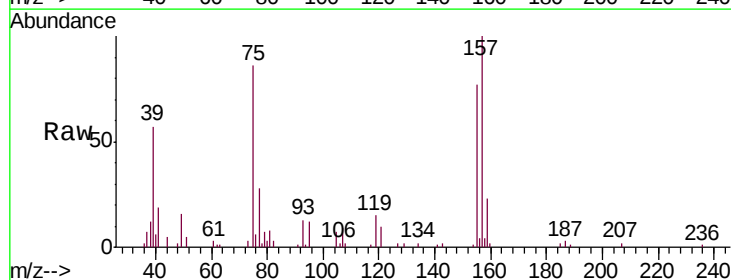
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

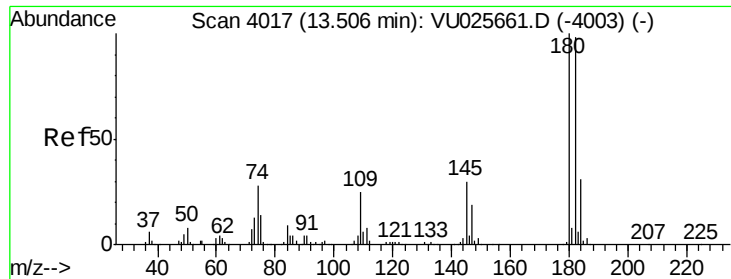
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	64.6	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.97 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.5	133.3
157	109.3	57.0	170.8

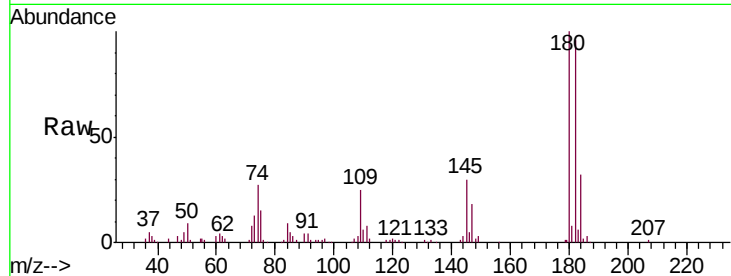




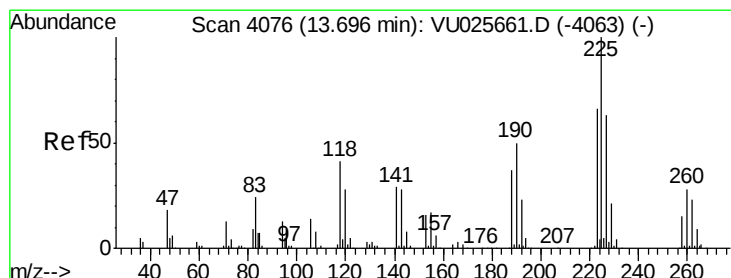
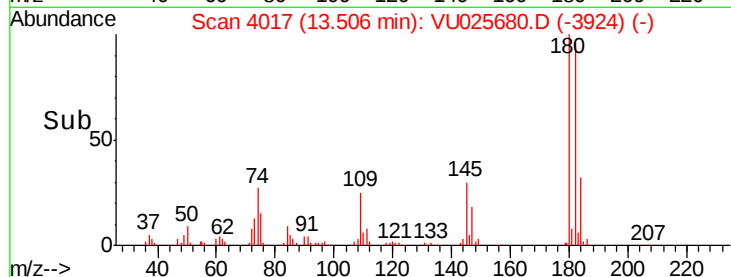
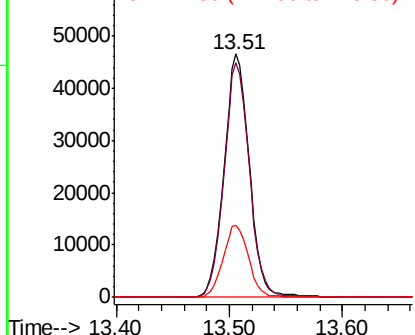
#93
 1,2,4-Trichlorobenzene
 Concen: 20.05 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion:180 Resp: 72416
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 141.9
 145 29.6 14.9 44.7

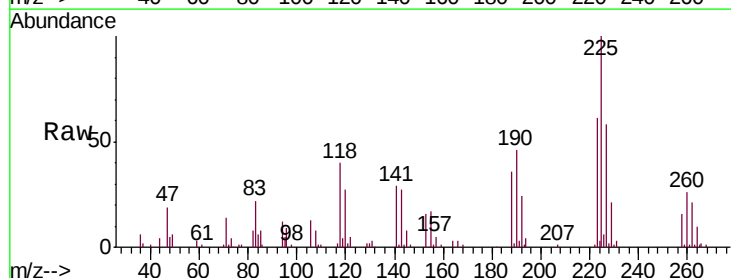


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

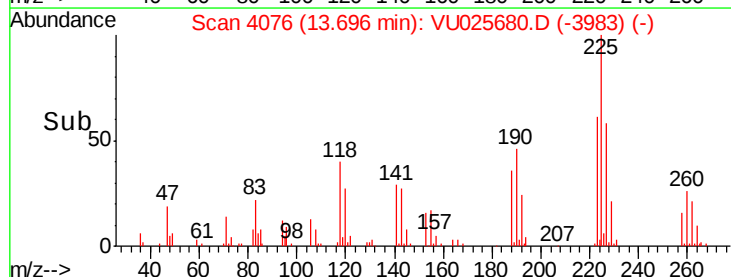
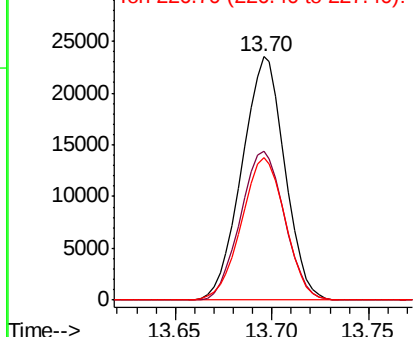


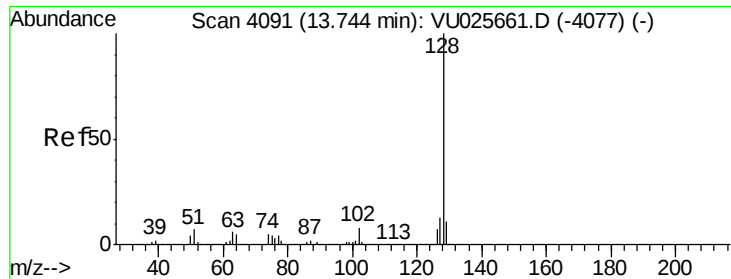
#94
 Hexachlorobutadiene
 Concen: 19.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion:225 Resp: 36323
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.9 95.7
 227 59.6 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

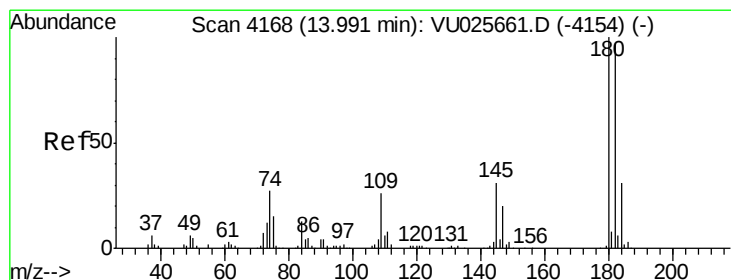
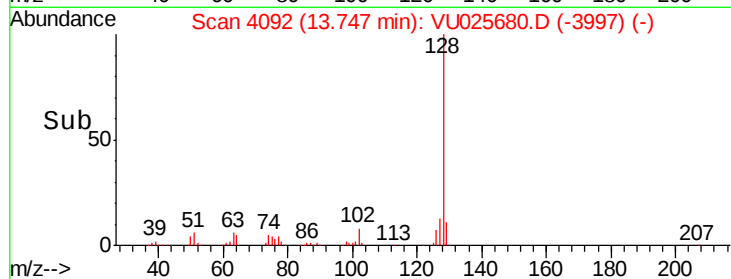
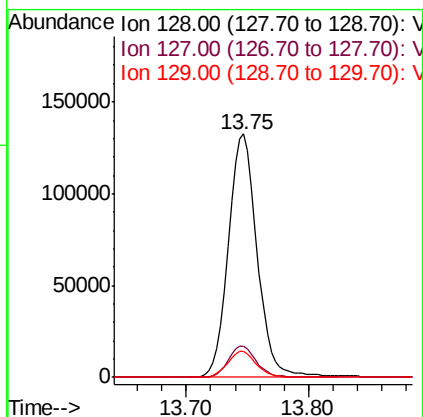
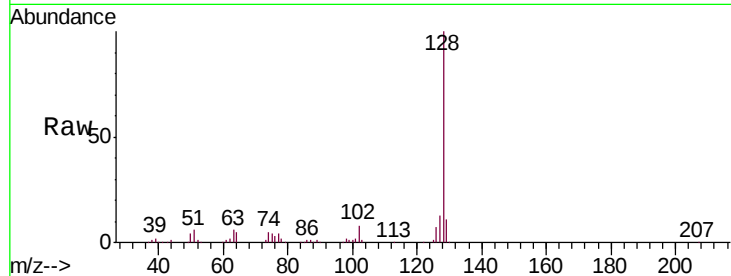




#95
Naphthalene
Concen: 19.64 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion:128 Resp: 218852
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.8 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.65 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:180 Resp: 74382
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 30.4 15.6 46.8

