

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072518\
 Data File : VU025631.D
 Acq On : 25 Jul 2018 11:50
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 25 12:08:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 11:50:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	40366	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	14884	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17203	1.34	ug/l	0.00
Spiked Amount 1.000			Recovery	=	134.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	271665	20.728	ug/l	100
3) Chloromethane	1.33	50	250949	16.525	ug/l	99
4) Vinyl Chloride	1.41	62	244294	16.769	ug/l	99
5) Bromomethane	1.63	94	120115	15.422	ug/l	99
6) Chloroethane	1.70	64	141911	17.500	ug/l	98
7) Trichlorofluoromethane	1.89	101	345455	20.658	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	190090	18.503	ug/l	99
9) 1,1-Dichloroethene	2.28	96	166390	17.444	ug/l	95
10) Iodomethane	2.41	142	184710	16.286	ug/l	94
11) Allyl Chloride	2.59	41	280227	15.983	ug/l	88
12) Acrylonitrile	2.94	53	73046	37.111	ug/l	96
13) Acetone	2.32	43	152674	91.389	ug/l	95
14) Carbon Disulfide	2.48	76	574076	18.294	ug/l	100
15) Methylene Chloride	2.70	84	183676	16.907	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	187582	18.356	ug/l	93
17) 1,1-Dichloroethane	3.45	63	378194	18.788	ug/l	98
18) 2-Butanone	4.28	43	281255	104.188	ug/l	98
19) Cyclohexane	4.99	56	310316	17.843	ug/l	89
20) Methylcyclohexane	6.42	83	380579	21.449	ug/l	93
21) 2,2-Dichloropropane	4.23	77	335670	21.029	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	238424	21.560	ug/l	93
23) Diethyl Ether	2.10	59	127473	16.347	ug/l	96
24) tert-Butyl Alcohol	2.84	59	139418	237.105	ug/l #	81
25) Methyl tert-Butyl Ether	3.00	73	451369	18.830	ug/l	99
26) Bromochloromethane	4.55	128	102083	23.361	ug/l	83
27) Chloroform	4.68	83	406396	21.438	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	371085	23.863	ug/l	98
29) 1,1-Dichloropropene	5.14	75	316969	20.774	ug/l	97
30) Carbon Tetrachloride	5.14	117	352489	26.942	ug/l	98
31) Isopropyl Ether	3.58	45	607273	17.873	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	587568	20.238	ug/l	94
33) Tert-Amyl methyl ether	5.59	73	527680	21.473	ug/l	98
34) Propionitrile	4.34	54	81996	106.679	ug/l #	93
35) Benzene	5.39	78	868629	19.154	ug/l	100
36) 1,2-Dichloroethane	5.41	62	265674	20.714	ug/l	98
37) Trichloroethene	6.19	130	253362	20.812	ug/l	99
38) 1,2-Dichloropropane	6.44	63	224005	18.010	ug/l	98
39) Methacrylonitrile	4.55	41	72179	18.365	ug/l	92
40) Methyl acrylate	4.43	55	114844	21.067	ug/l #	96
41) Tetrahydrofuran	4.65	42	73607	36.347	ug/l	91
42) 1-Chlorobutane	5.07	56	430235	19.455	ug/l	99

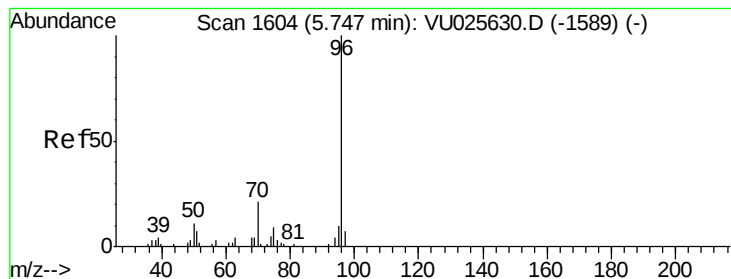
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072518\
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Quant Time: Jul 25 12:08:55 2018
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	117568	21.977	ug/l	97
44) Bromodichloromethane	6.76	83	301562	22.434	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	686778	108.625	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	120173	64.287	ug/l #	82
47) Methyl methacrylate	6.63	69	210488	43.426	ug/l	95
48) Ethyl methacrylate	8.02	69	215032	25.373	ug/l	98
49) Toluene	7.64	92	554356	21.162	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	287672	25.072	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	333683	22.343	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	158763	20.857	ug/l	98
53) 1,3-Dichloropropane	8.25	76	275462	20.357	ug/l	99
54) 2-Hexanone	8.37	43	485941	112.829	ug/l	98
55) Dibromochloromethane	8.48	129	212368	25.463	ug/l	97
56) 1,2-Dibromoethane	8.59	107	156634	23.882	ug/l	99
58) Tetrachloroethene	8.23	164	237180	21.368	ug/l	97
59) Chlorobenzene	9.12	112	630366	22.481	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	234119	24.583	ug/l	98
61) Pentachloroethane	11.10	117	183141	27.093	ug/l	94
62) Hexachloroethane	12.15	117	199754	30.789	ug/l	97
63) Ethyl Benzene	9.25	91	1101519	23.634	ug/l	99
64) m/p-Xylenes	9.38	106	860021	47.848	ug/l	99
65) o-Xylene	9.78	106	419319	24.226	ug/l	97
66) Styrene	9.80	104	713146	24.984	ug/l	99
67) Bromoform	9.96	173	126890	29.130	ug/l	99
69) Isopropylbenzene	10.17	105	1128830	25.319	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	201879	23.531	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	120173	19.572	ug/l #	87
72) Bromobenzene	10.45	156	282165	25.421	ug/l	95
73) n-propylbenzene	10.59	120	321866	26.116	ug/l	93
74) 2-Chlorotoluene	10.66	126	277678	25.481	ug/l	87
75) 1,3,5-Trimethylbenzene	10.78	105	984094	26.199	ug/l	100
76) 4-Chlorotoluene	10.78	126	286934	25.416	ug/l	94
77) tert-Butylbenzene	11.10	119	966213	27.457	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	1015246	26.771	ug/l	100
79) sec-Butylbenzene	11.33	105	1283097	26.039	ug/l	98
80) Nitrobenzene	12.87	77	39744	133.381	ug/l	97
81) p-Isopropyltoluene	11.48	119	1110452	27.422	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	576823	26.037	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	571448	25.829	ug/l	100
84) n-Butylbenzene	11.89	91	1044928	26.432	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	525237	26.260	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	37246	30.764	ug/l	93
87) 1,2,4-Trichlorobenzene	13.51	180	399150	27.590	ug/l	99
88) Hexachlorobutadiene	13.70	225	227485	25.933	ug/l	98
89) Naphthalene	13.74	128	666819	30.607	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	357357	26.315	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 40366

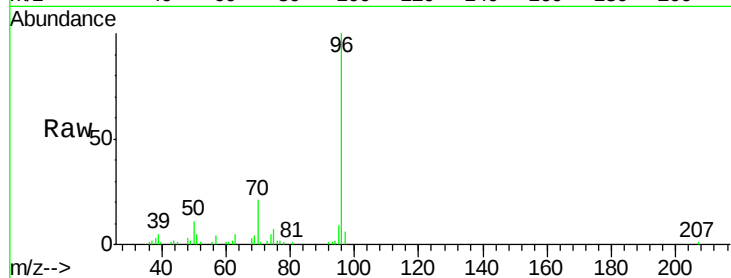
Ion Ratio Lower Upper

96 100

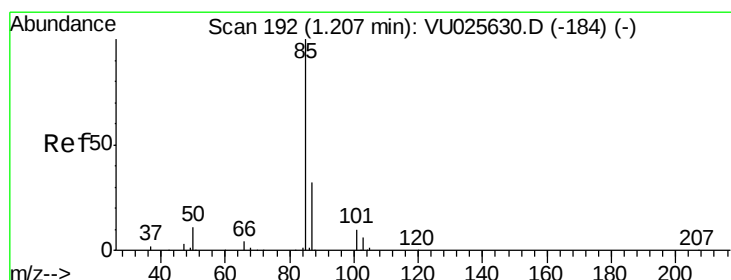
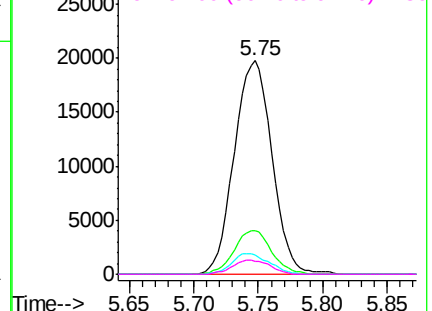
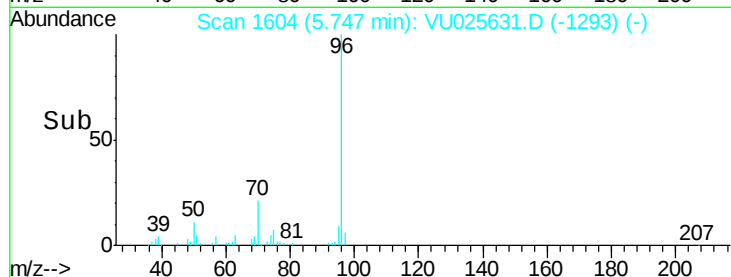
70 20.3 16.2 24.4

95 0.0 6.9 10.3#

97 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU025631.D (-1293) (-)



#2

Dichlorodifluoromethane

Concen: 20.728 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025631.D

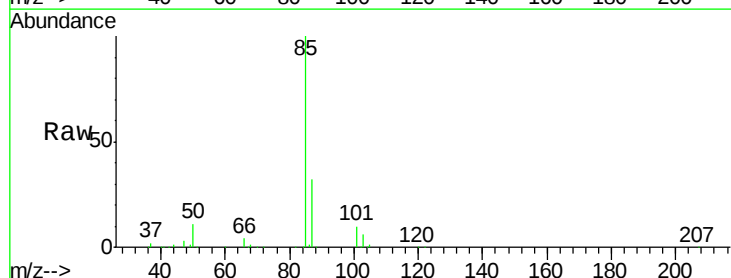
Acq: 25 Jul 2018 11:50

Tgt Ion: 85 Resp: 271665

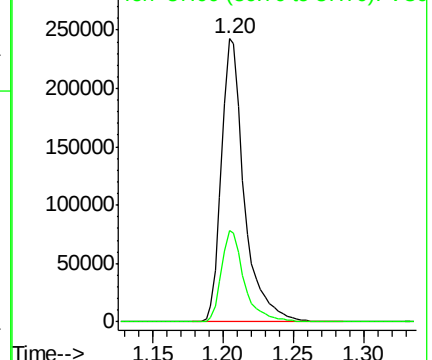
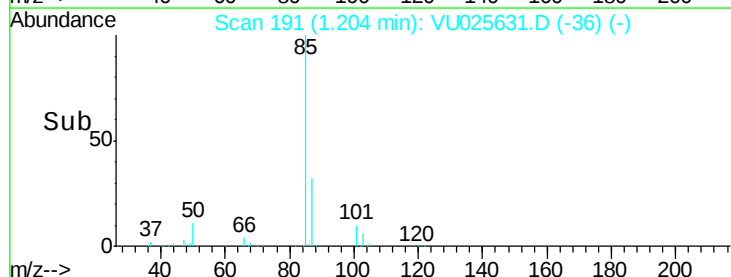
Ion Ratio Lower Upper

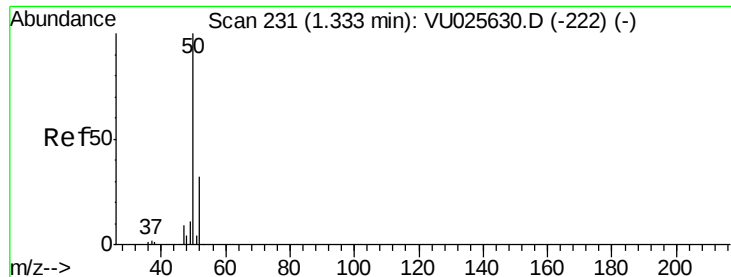
85 100

87 32.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU025631.D (-36) (-)





#3

Chloromethane

Concen: 16.525 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

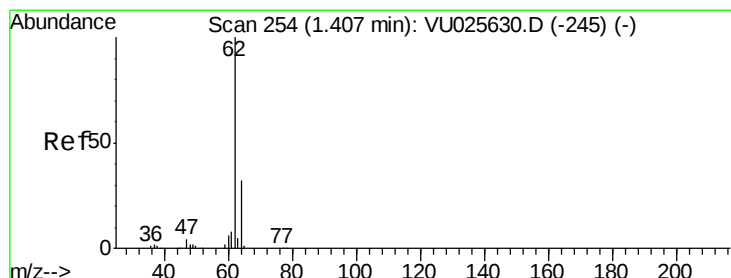
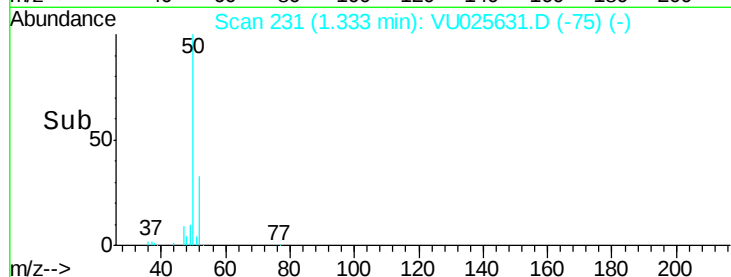
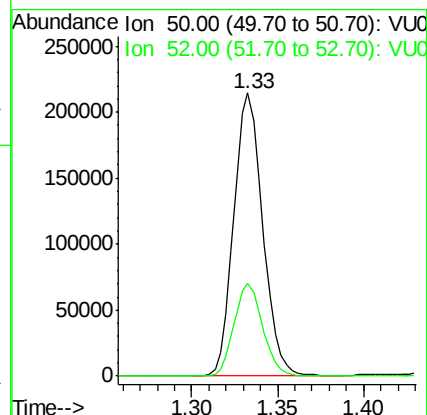
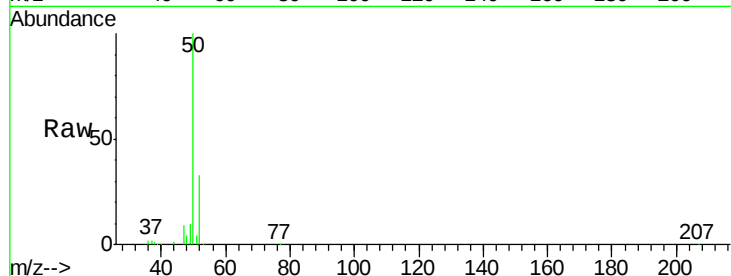
VSTDIC020

Tgt Ion: 50 Resp: 250949

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 16.769 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025631.D

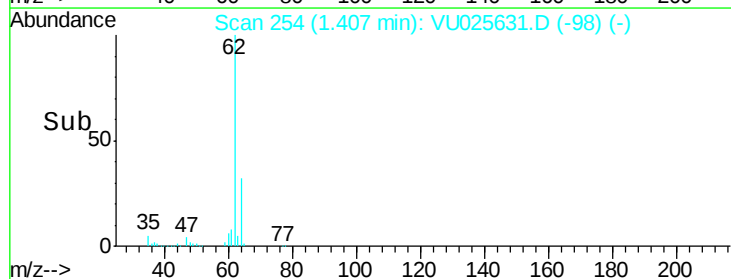
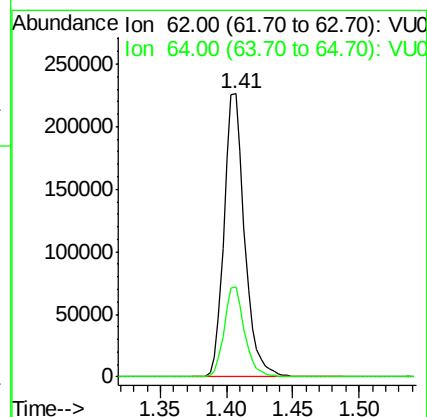
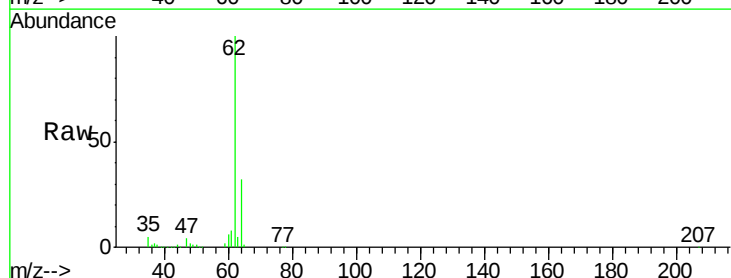
Acq: 25 Jul 2018 11:50

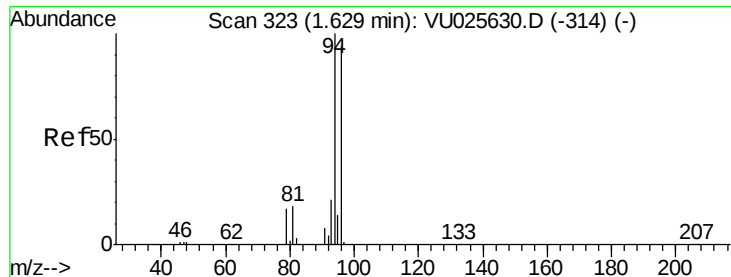
Tgt Ion: 62 Resp: 244294

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 15.422 ug/l

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

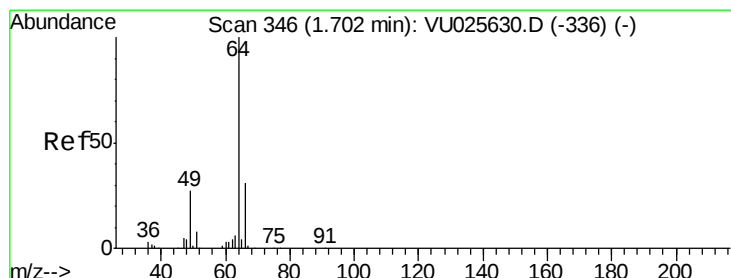
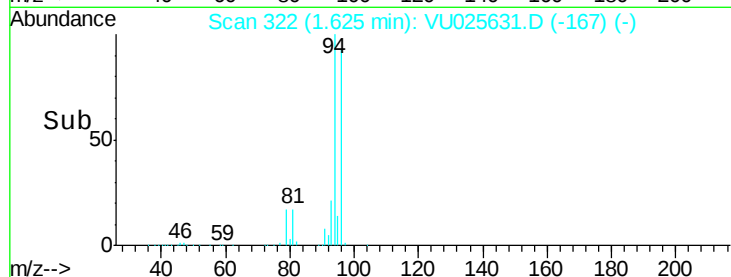
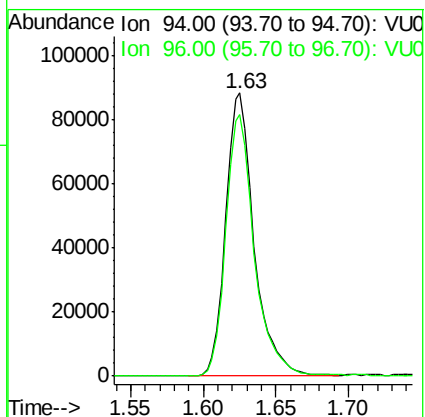
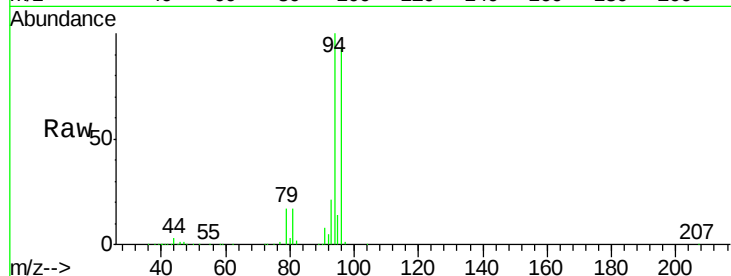
VSTDIC020

Tgt Ion: 94 Resp: 120115

Ion Ratio Lower Upper

94 100

96 92.7 75.1 112.7



#6

Chloroethane

Concen: 17.500 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025631.D

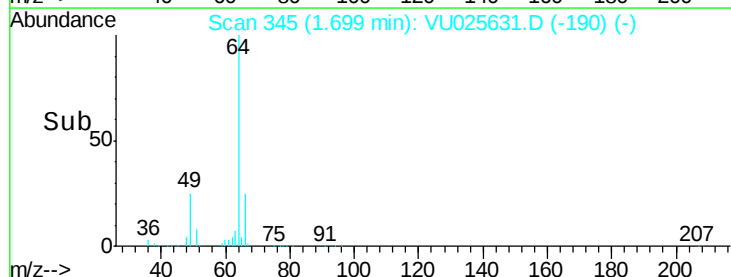
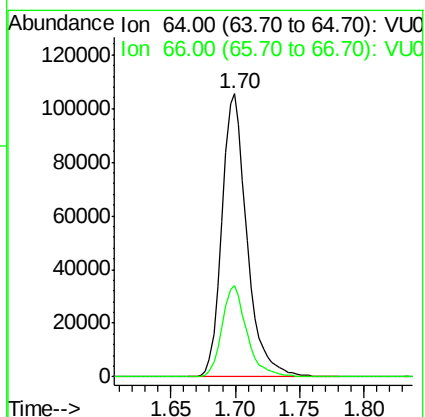
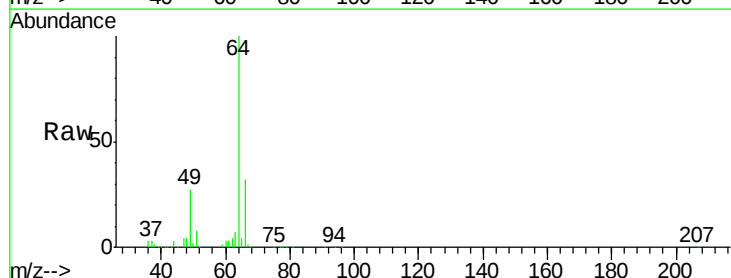
Acq: 25 Jul 2018 11:50

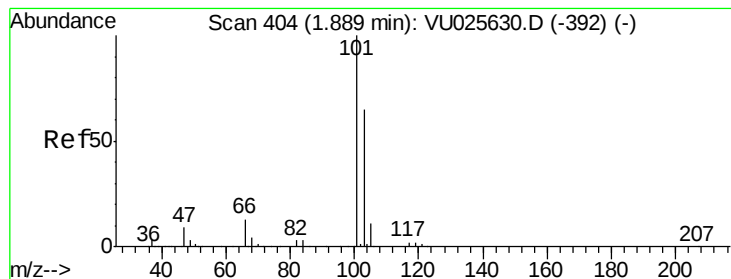
Tgt Ion: 64 Resp: 141911

Ion Ratio Lower Upper

64 100

66 32.2 24.9 37.3



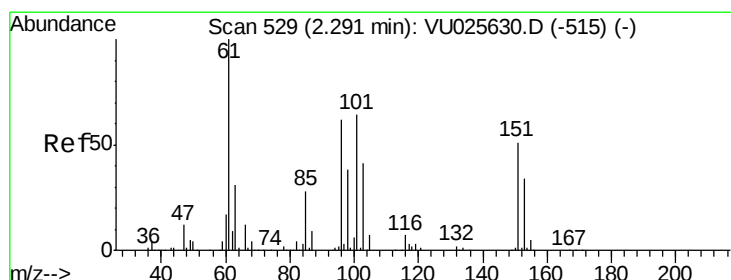
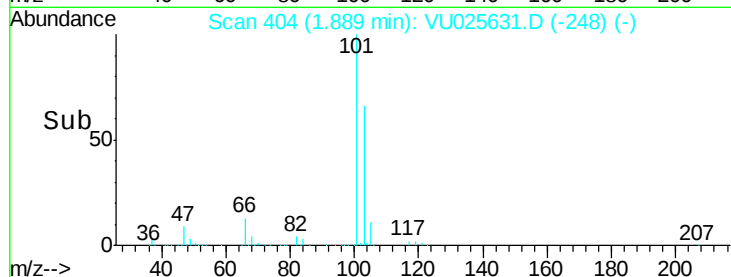
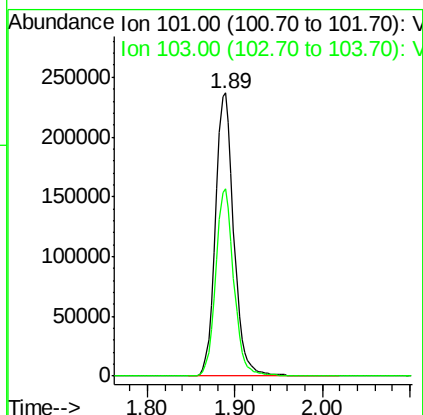
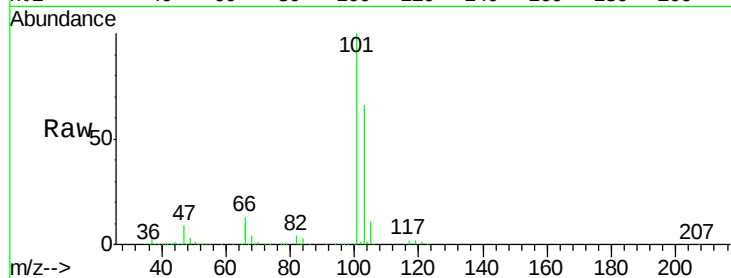


#7

Trichlorofluoromethane
Concen: 20.658 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

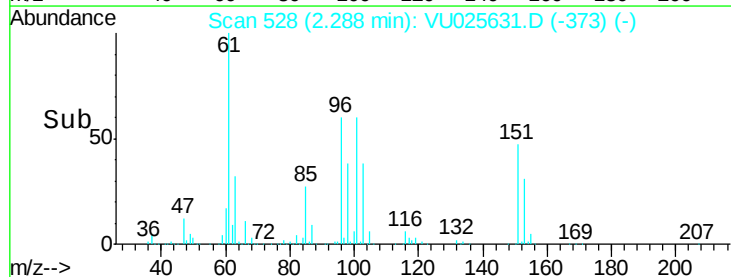
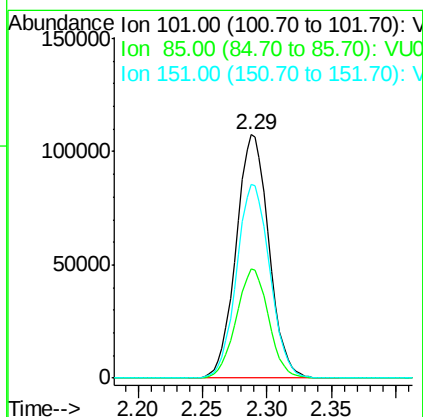
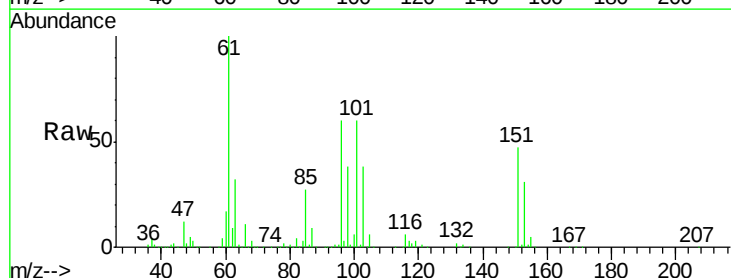
Tgt Ion:101 Resp: 345455
Ion Ratio Lower Upper
101 100
103 66.3 51.4 77.0

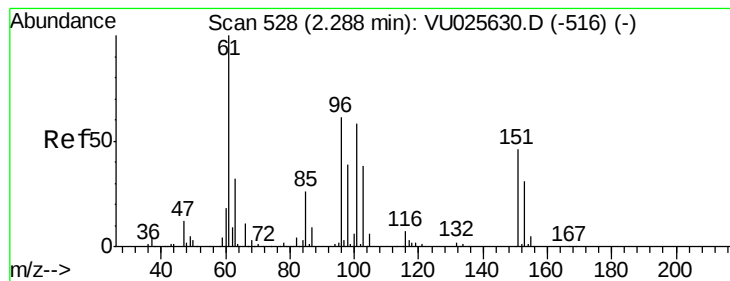


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 18.503 ug/l
RT: 2.29 min Scan# 528
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:101 Resp: 190090
Ion Ratio Lower Upper
101 100
85 44.3 35.2 52.8
151 81.0 63.5 95.3





#9

1,1-Dichloroethene

Concen: 17.444 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

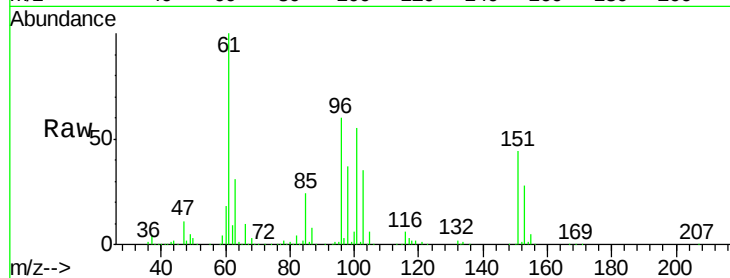
Tgt Ion: 96 Resp: 166390

Ion Ratio Lower Upper

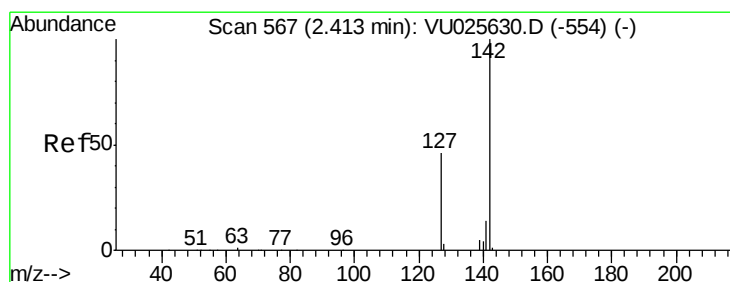
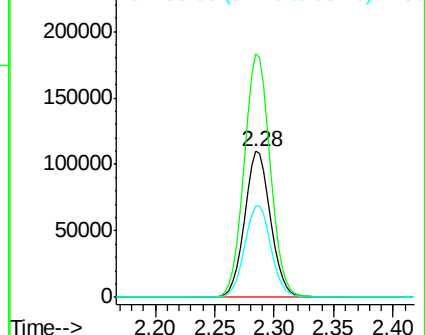
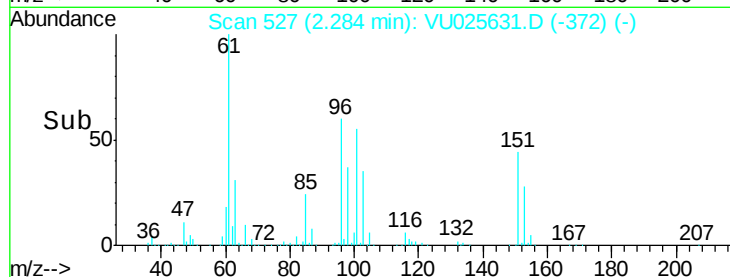
96 100

61 166.7 0.0 526.5

98 62.1 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU025631.D (-372) (-)



#10

Iodomethane

Concen: 16.286 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025631.D

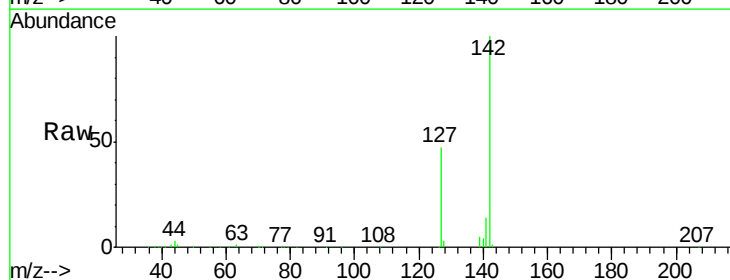
Acq: 25 Jul 2018 11:50

Tgt Ion: 142 Resp: 184710

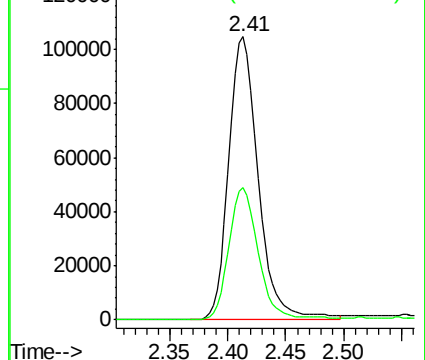
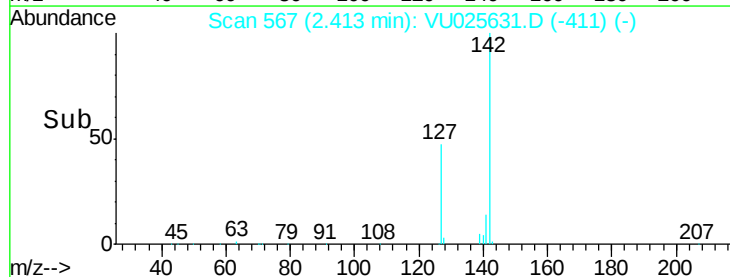
Ion Ratio Lower Upper

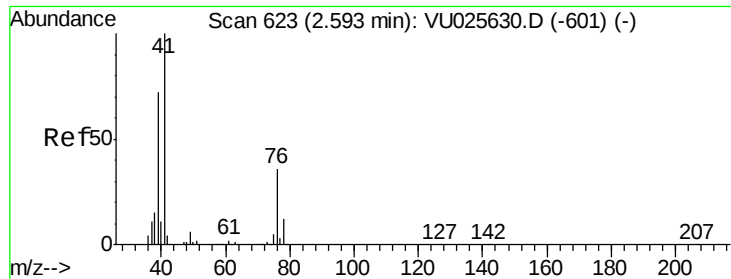
142 100

127 46.7 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): VU025631.D (-411) (-)

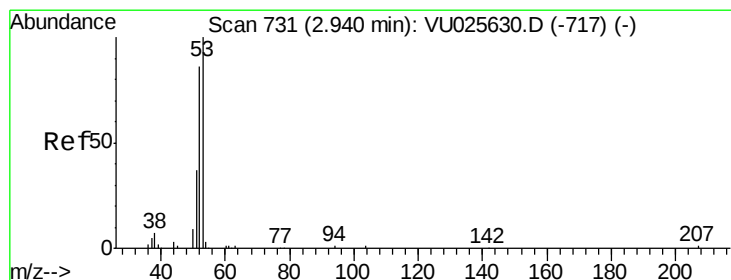
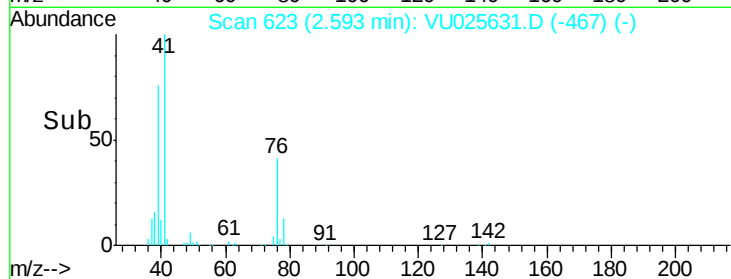
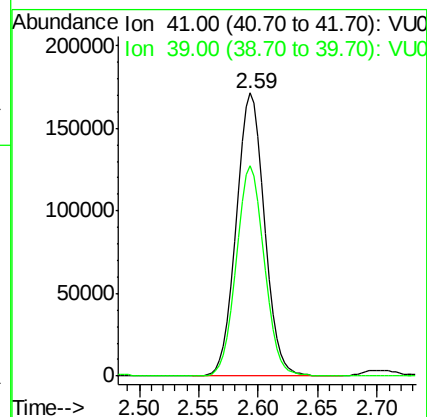
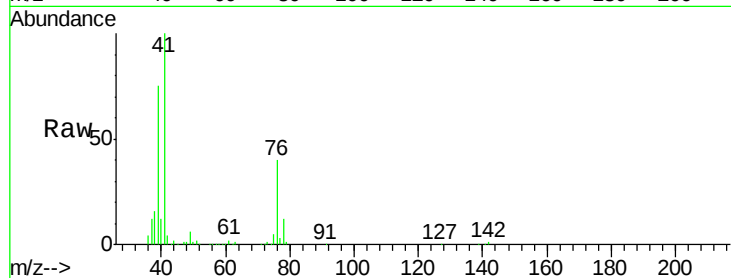




#11
 Allyl Chloride
 Concen: 15.983 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

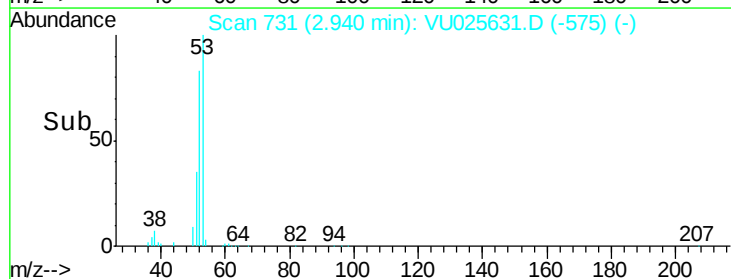
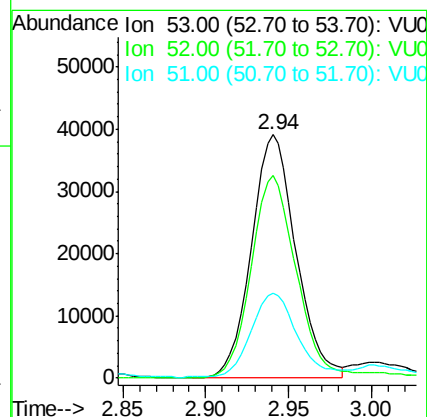
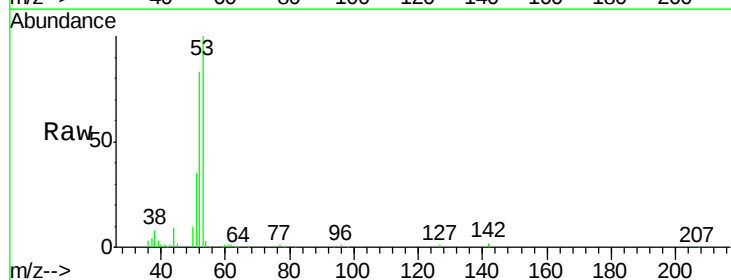
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

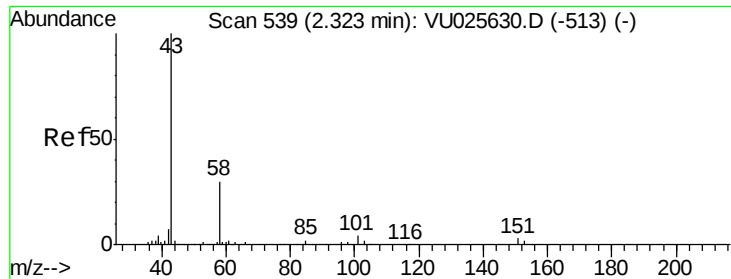
Tgt Ion: 41 Resp: 280227
 Ion Ratio Lower Upper
 41 100
 39 74.1 51.4 77.2



#12
 Acrylonitrile
 Concen: 37.111 ug/l
 RT: 2.94 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 53 Resp: 73046
 Ion Ratio Lower Upper
 53 100
 52 84.4 65.1 97.7
 51 35.4 30.2 45.4





#13

Acetone

Concen: 91.389 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

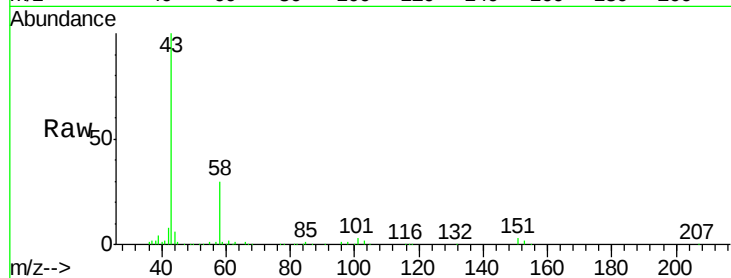
VSTDIC020

Tgt Ion: 43 Resp: 152674

Ion Ratio Lower Upper

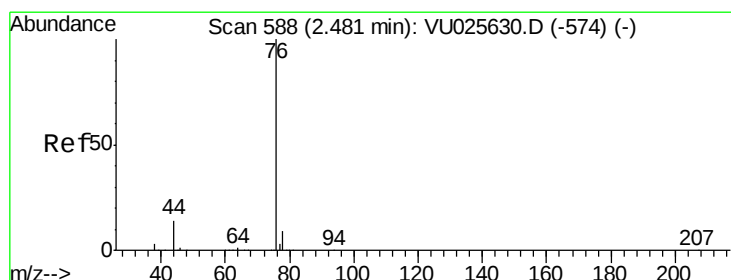
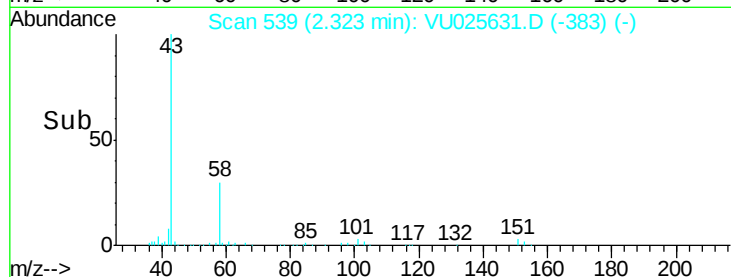
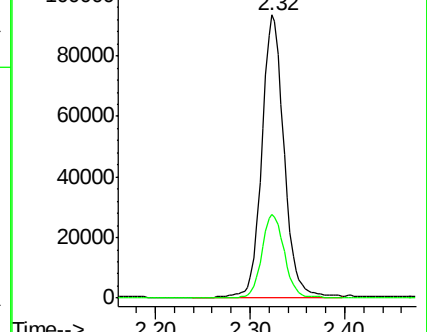
43 100

58 29.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU025631.D (-383) (-)

Ion 58.00 (57.70 to 58.70): VU025631.D (-383) (-)



#14

Carbon Disulfide

Concen: 18.294 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025631.D

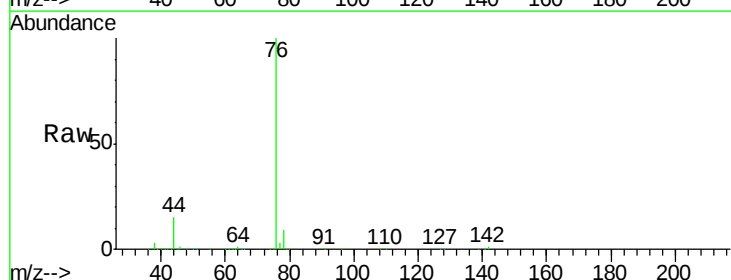
Acq: 25 Jul 2018 11:50

Tgt Ion: 76 Resp: 574076

Ion Ratio Lower Upper

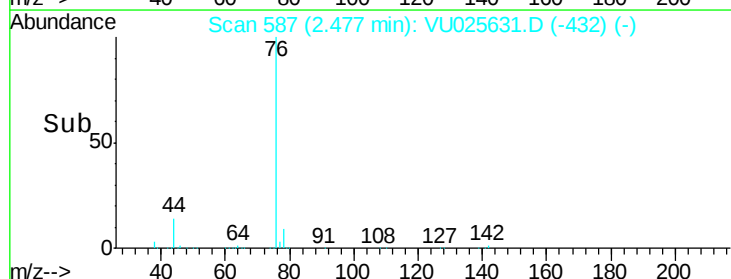
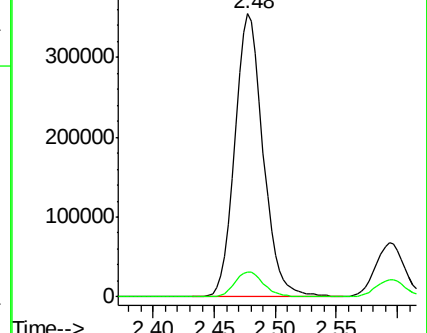
76 100

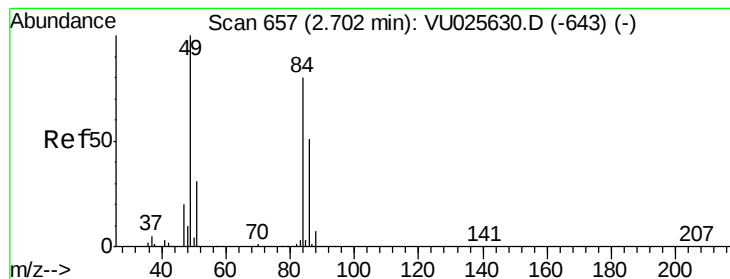
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025631.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VU025631.D (-432) (-)





#15

Methylene Chloride

Concen: 16.907 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 84 Resp: 183676

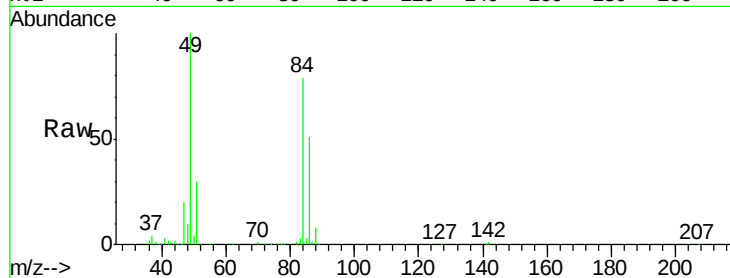
Ion Ratio Lower Upper

84 100

49 126.8 108.7 163.1

51 38.2 0.0 82.4

86 64.2 50.7 76.1

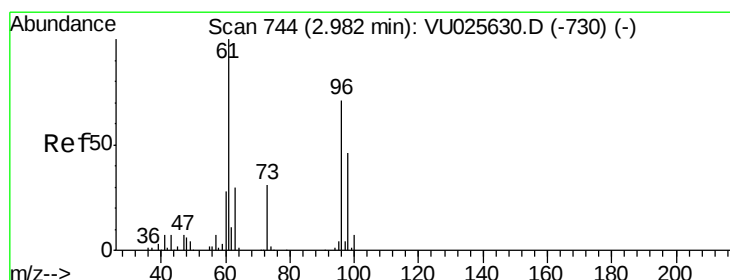
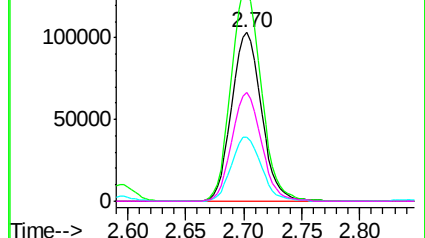
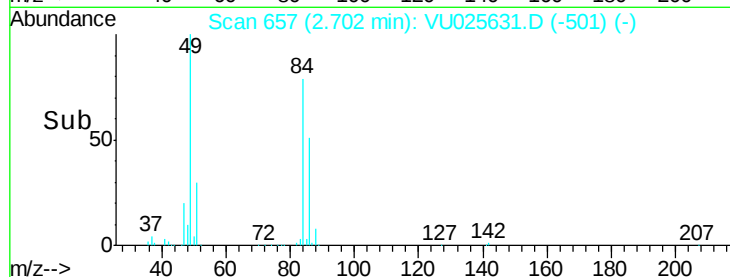


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 18.356 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

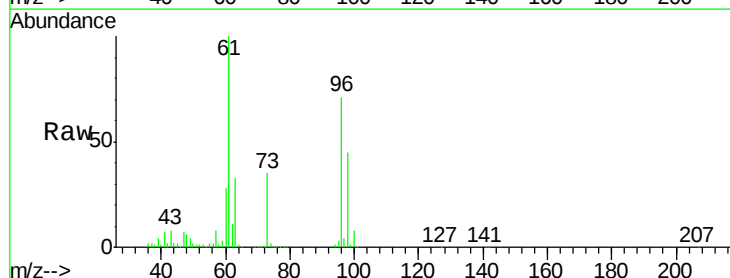
Tgt Ion: 96 Resp: 187582

Ion Ratio Lower Upper

96 100

61 141.5 123.9 185.9

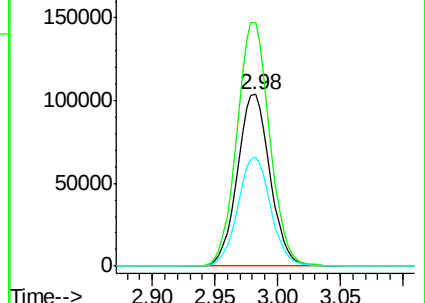
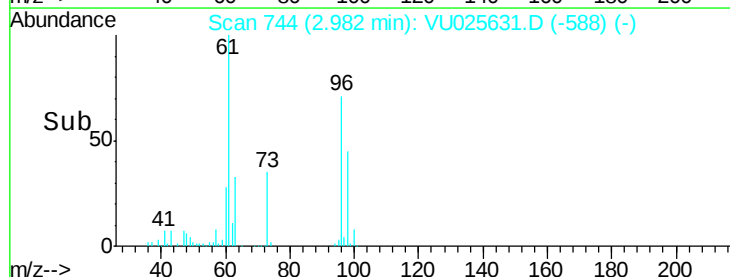
98 63.5 50.6 76.0

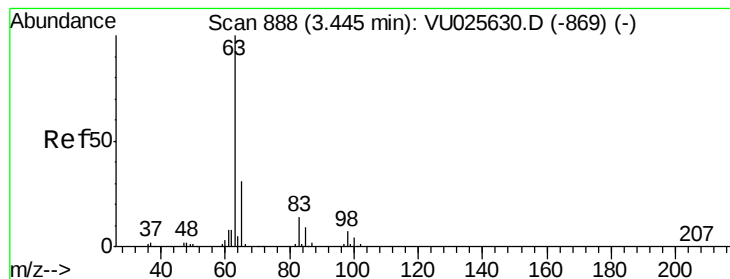


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 18.788 ug/l

RT: 3.45 min Scan# 888

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

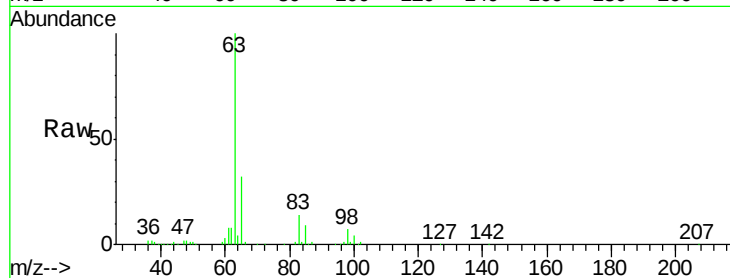
Tgt Ion: 63 Resp: 378194

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

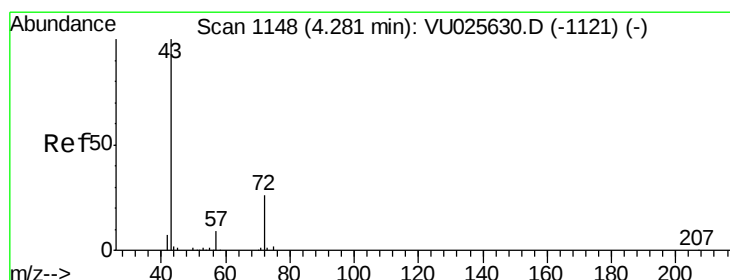
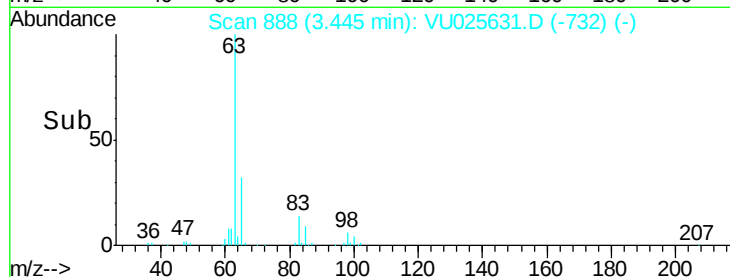
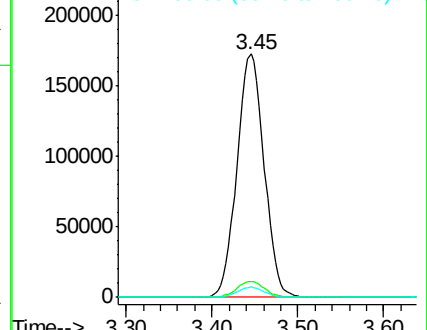
100 4.1 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#18

2-Butanone

Concen: 104.188 ug/l

RT: 4.28 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VU025631.D

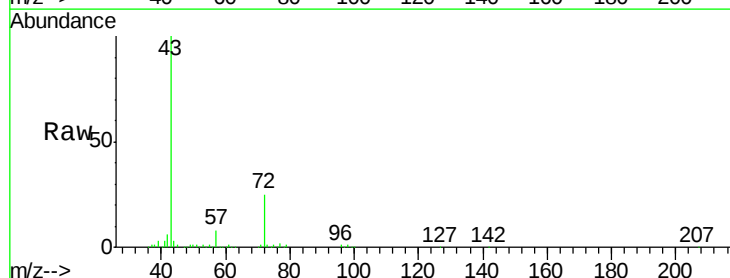
Acq: 25 Jul 2018 11:50

Tgt Ion: 43 Resp: 281255

Ion Ratio Lower Upper

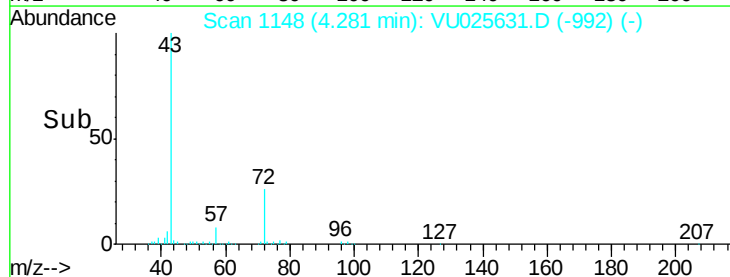
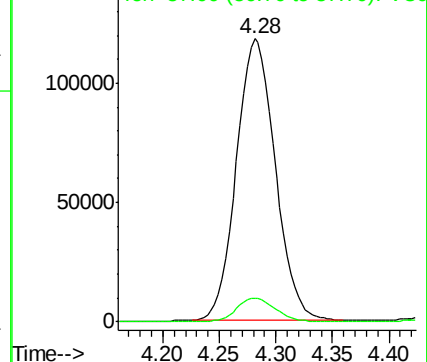
43 100

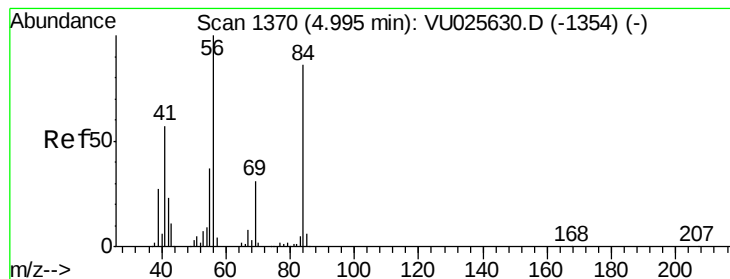
57 8.5 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 17.843 ug/l

RT: 4.99 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

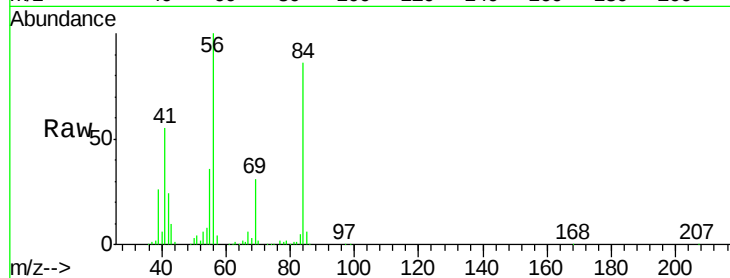
Tgt Ion: 56 Resp: 310316

Ion Ratio Lower Upper

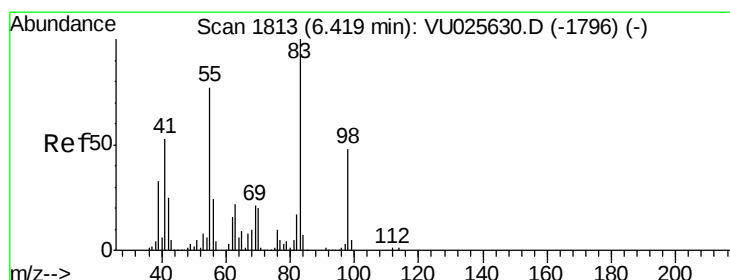
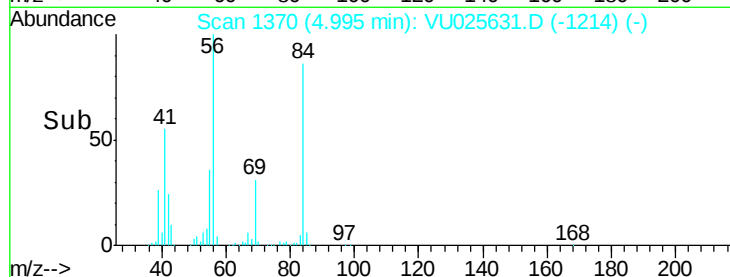
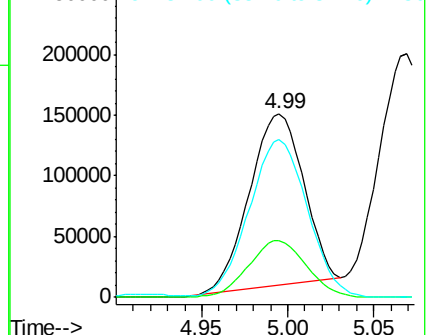
56 100

69 35.5 26.0 39.0

84 98.1 68.3 102.5



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



#20

Methylcyclohexane

Concen: 21.449 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

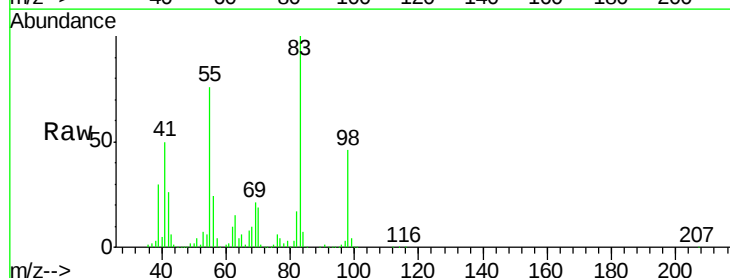
Tgt Ion: 83 Resp: 380579

Ion Ratio Lower Upper

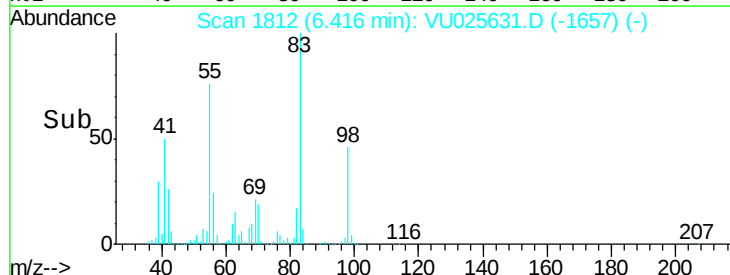
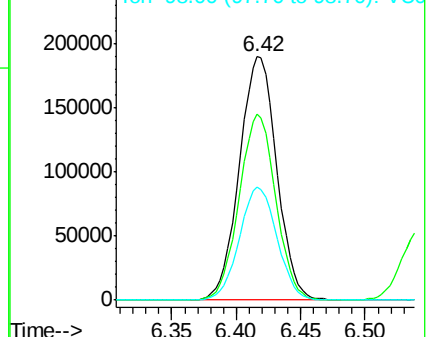
83 100

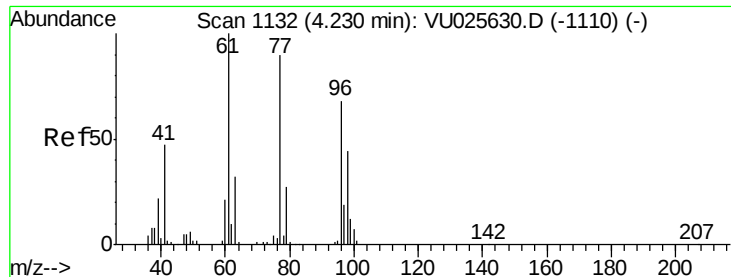
55 74.9 66.4 99.6

98 46.8 35.4 53.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

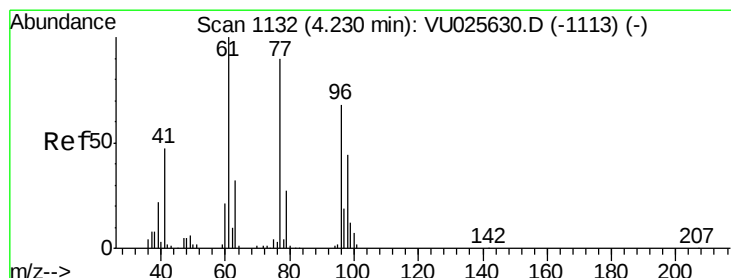
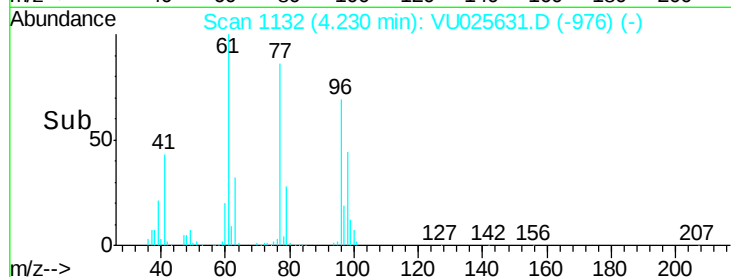
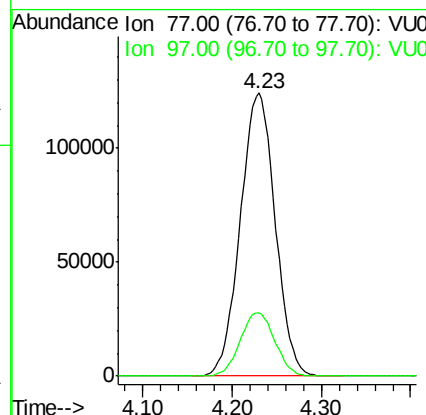
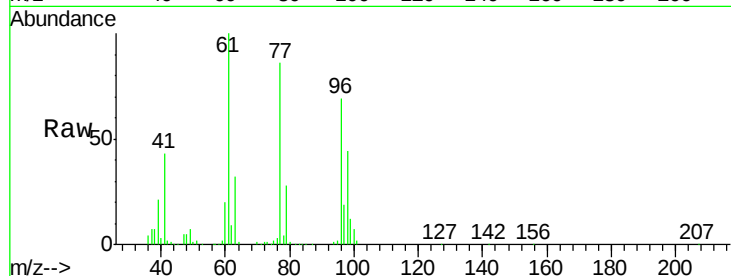




#21
 2,2-Dichloropropane
 Concen: 21.029 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

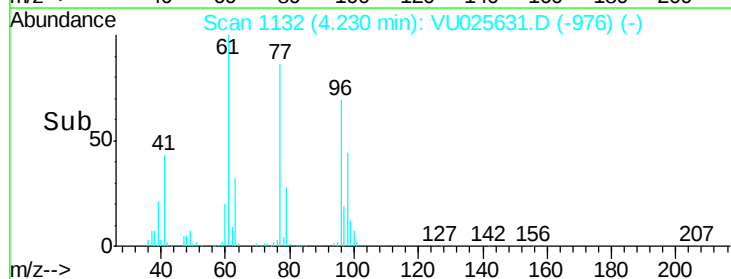
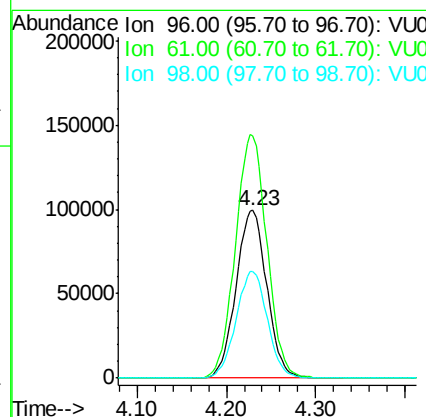
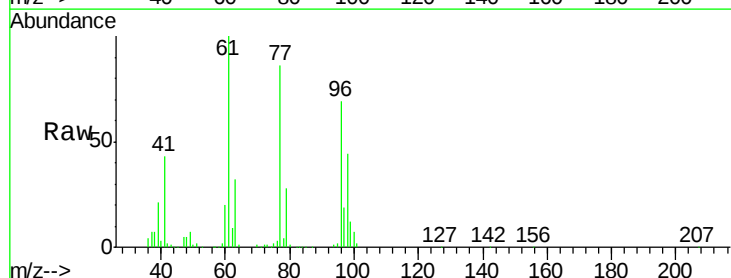
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

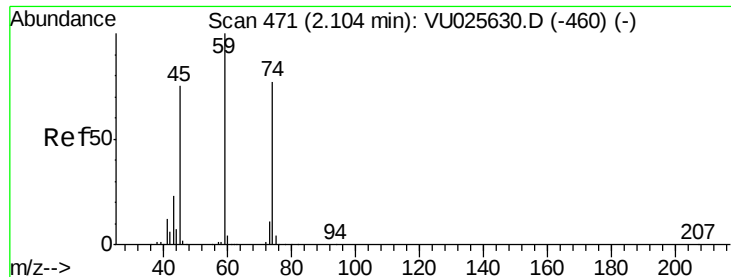
Tgt Ion: 77 Resp: 335670
 Ion Ratio Lower Upper
 77 100
 97 22.2 17.9 26.9



#22
 cis-1,2-Dichloroethene
 Concen: 21.560 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 96 Resp: 238424
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 400.5
 98 64.5 32.2 96.6





#23

Diethyl Ether

Concen: 16.347 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

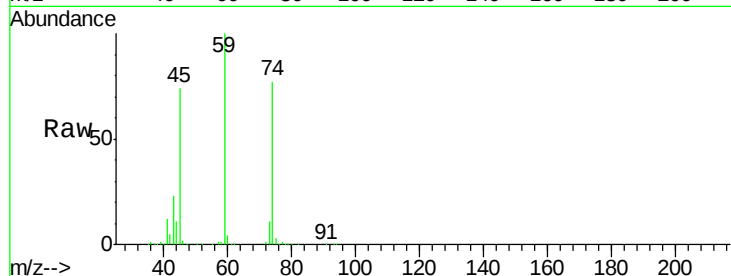
Tgt Ion: 59 Resp: 127473

Ion Ratio Lower Upper

59 100

45 73.0 60.0 90.0

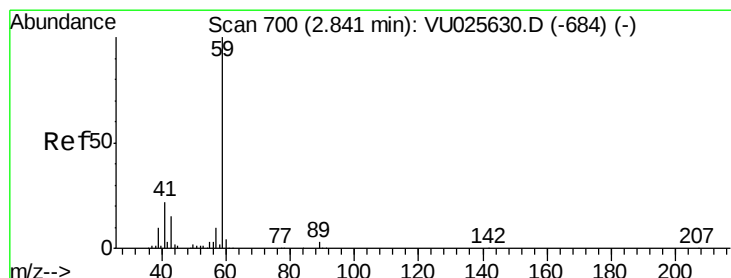
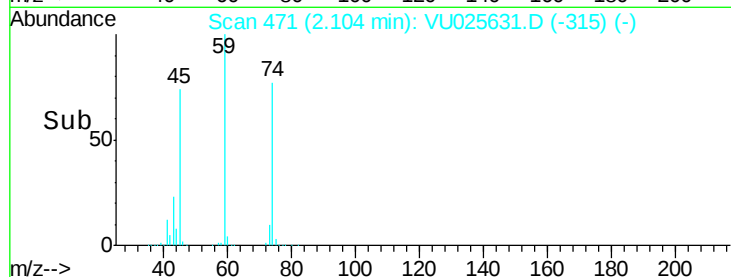
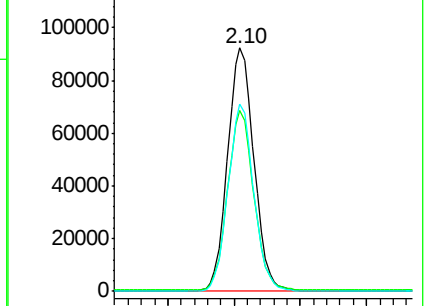
74 75.2 56.5 84.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 237.105 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.00 min

Lab File: VU025631.D

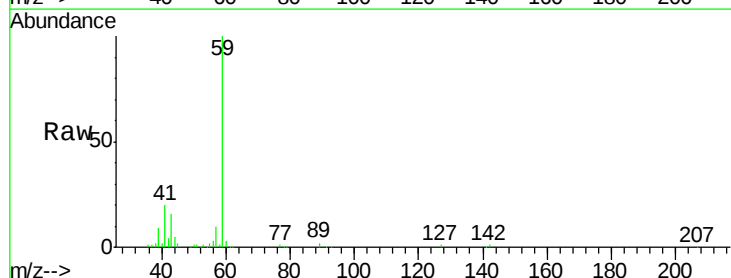
Acq: 25 Jul 2018 11:50

Tgt Ion: 59 Resp: 139418

Ion Ratio Lower Upper

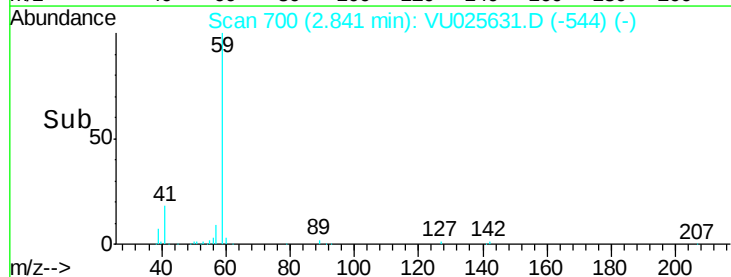
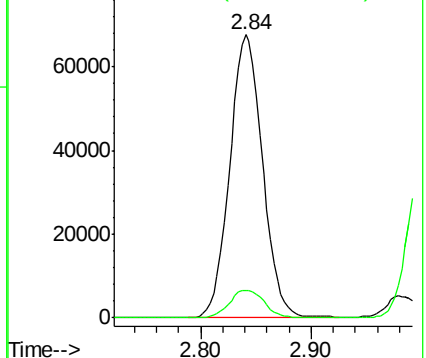
59 100

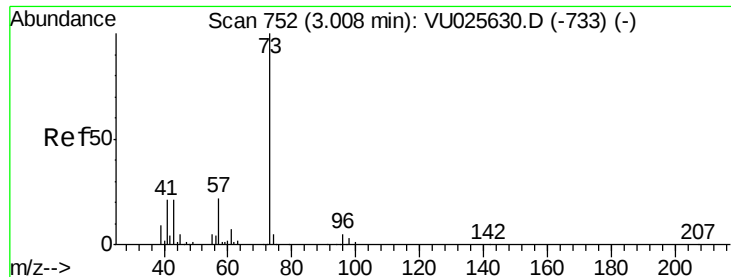
57 10.5 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



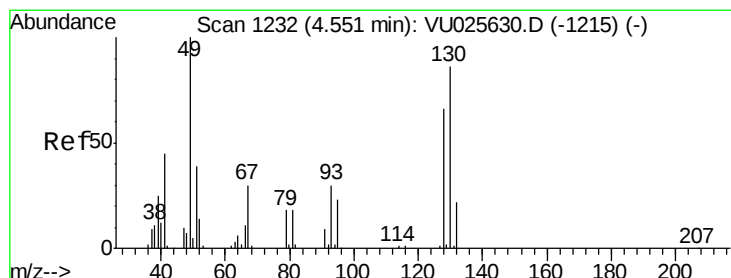
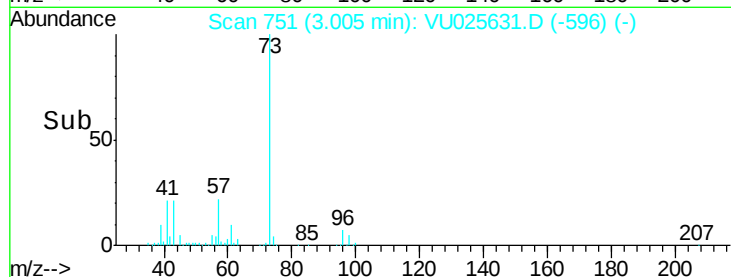
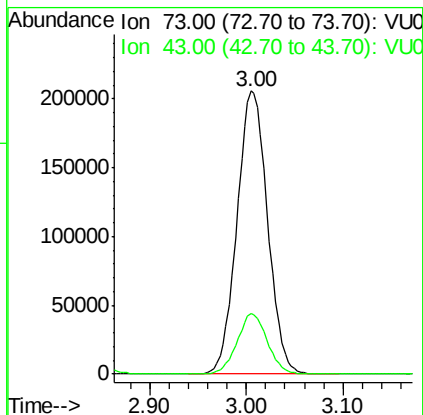
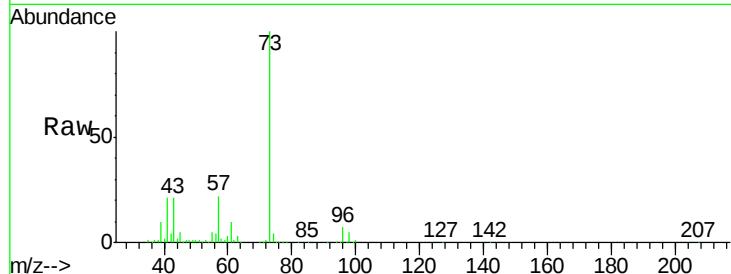


#25

Methyl tert-Butyl Ether
 Concen: 18.830 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

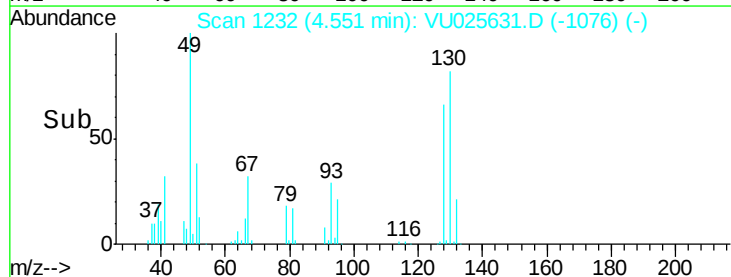
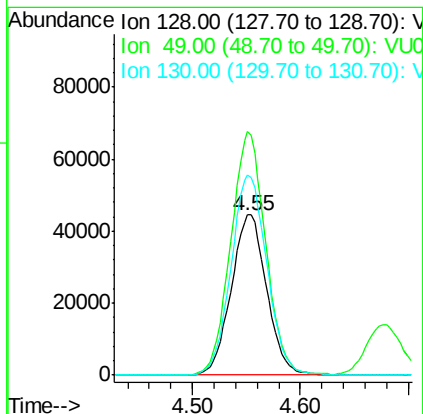
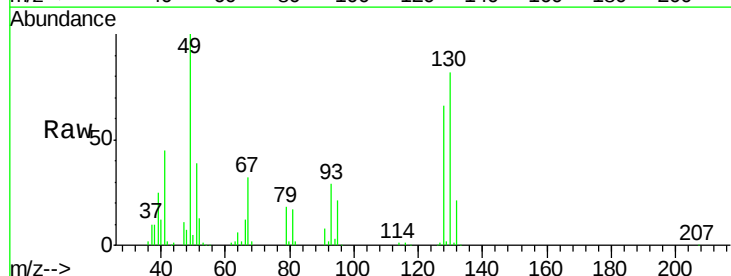
Tgt Ion: 73 Resp: 451369
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.2 24.2

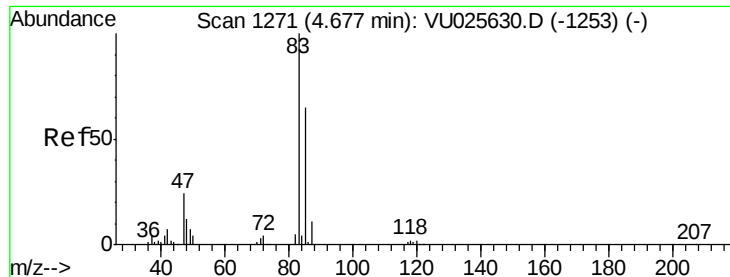


#26

Bromochloromethane
 Concen: 23.361 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 128 Resp: 102083
 Ion Ratio Lower Upper
 128 100
 49 149.3 0.0 375.2
 130 126.6 105.8 158.6





#27

Chloroform

Concen: 21.438 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

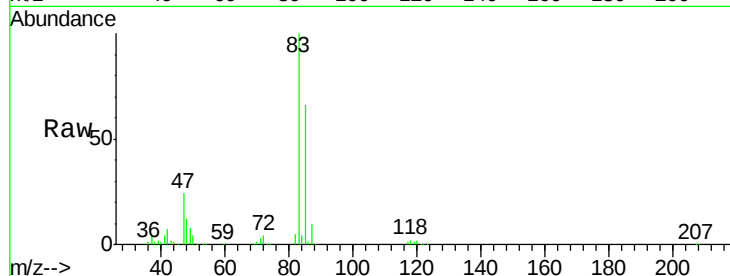
VSTDIC020

Tgt Ion: 83 Resp: 406396

Ion Ratio Lower Upper

83 100

85 66.4 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.68

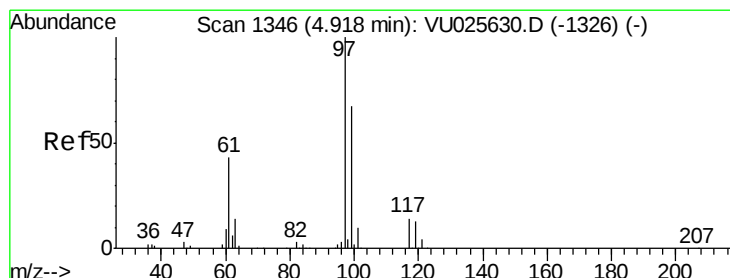
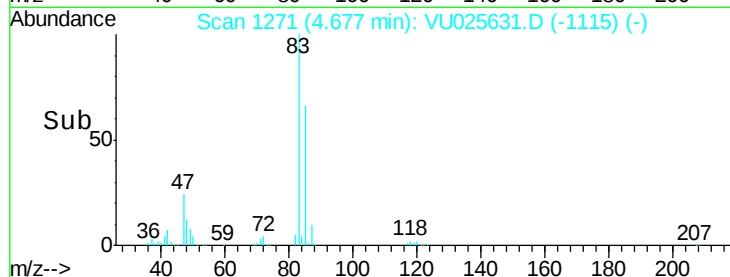
150000

100000

50000

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 23.863 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

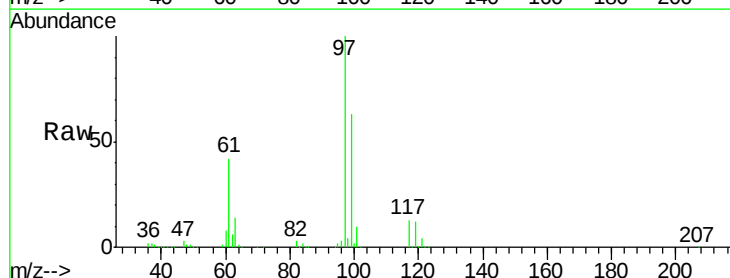
Tgt Ion: 97 Resp: 371085

Ion Ratio Lower Upper

97 100

99 64.7 32.3 96.9

61 43.2 23.2 69.5



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

4.91

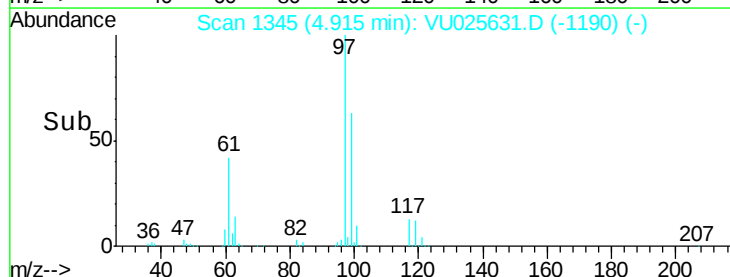
150000

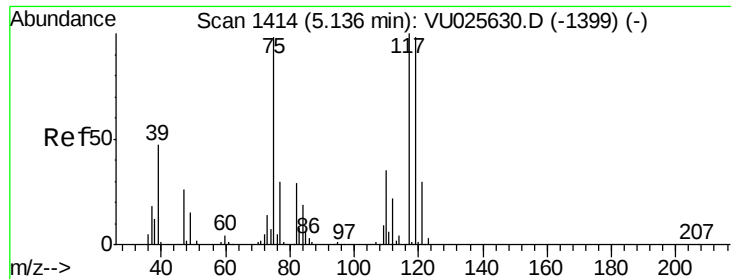
100000

50000

0

Time-->

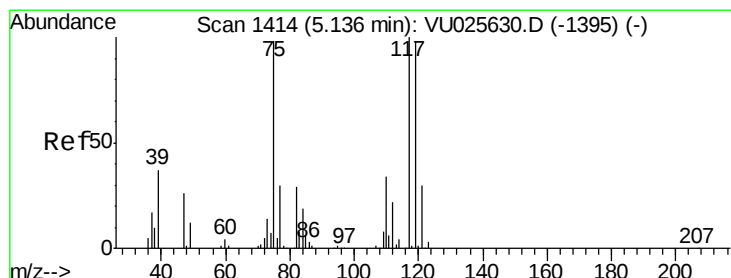
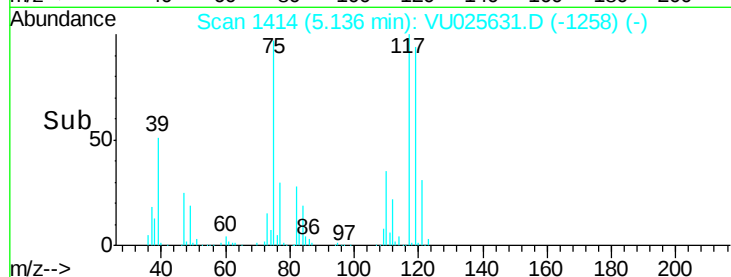
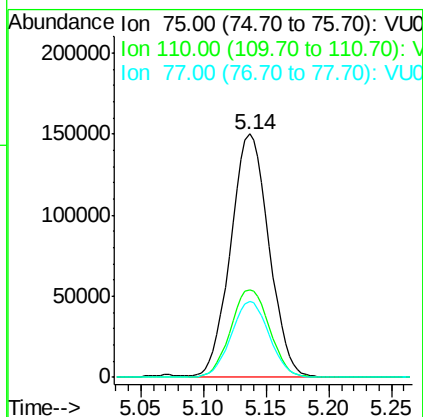
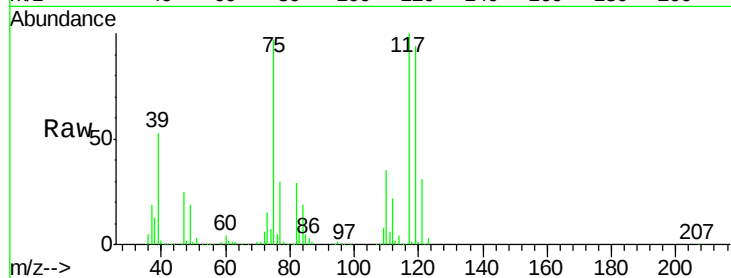




#29
 1,1-Dichloropropene
 Concen: 20.774 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

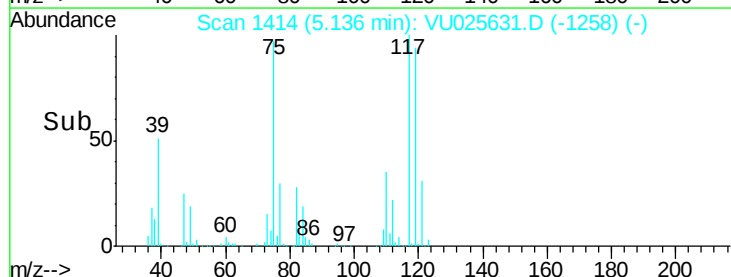
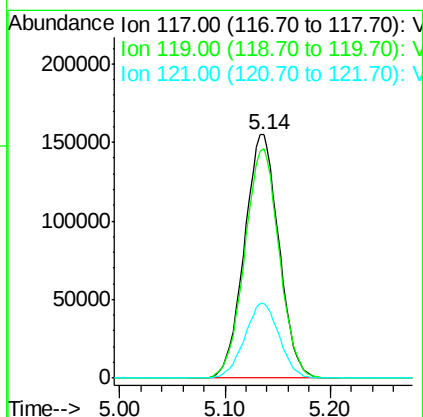
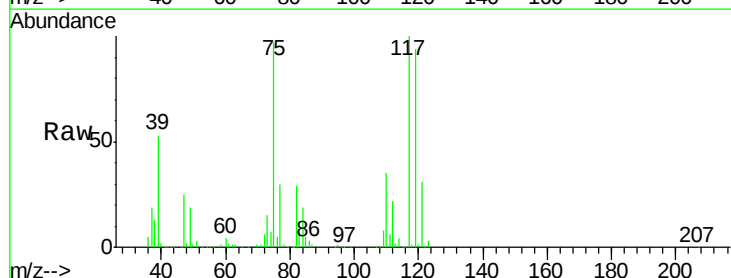
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

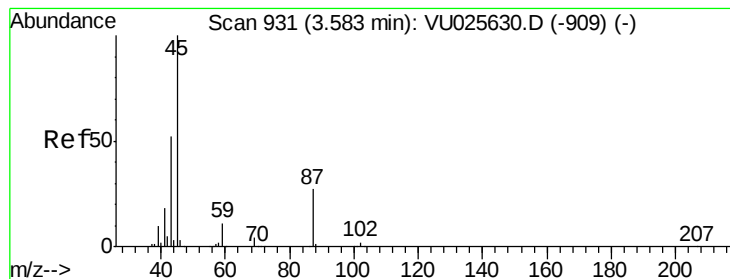
Tgt Ion: 75 Resp: 316969
 Ion Ratio Lower Upper
 75 100
 110 36.8 16.9 50.7
 77 31.1 24.8 37.2



#30
 Carbon Tetrachloride
 Concen: 26.942 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 117 Resp: 352489
 Ion Ratio Lower Upper
 117 100
 119 94.2 77.3 115.9
 121 30.9 24.5 36.7





#31

Isopropyl Ether

Concen: 17.873 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

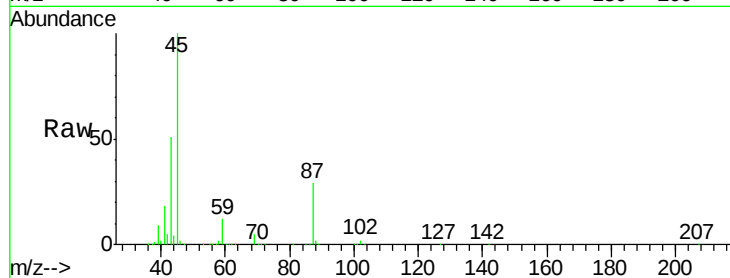
VSTDIC020

Tgt Ion: 45 Resp: 607273

Ion Ratio Lower Upper

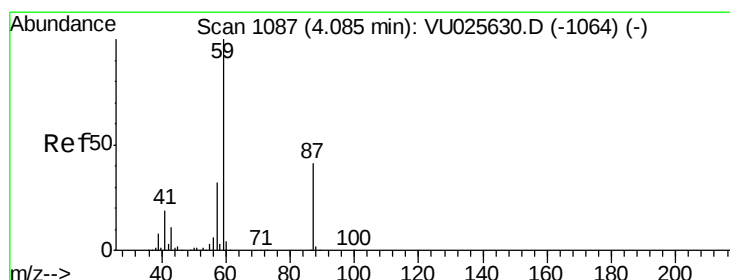
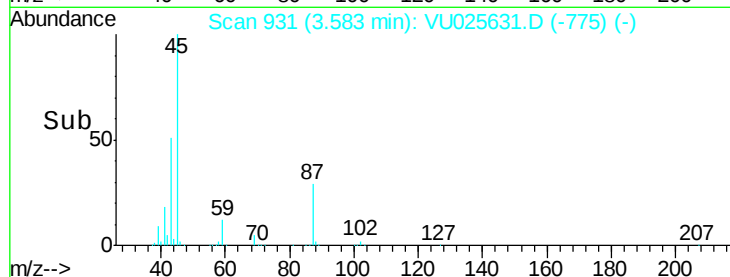
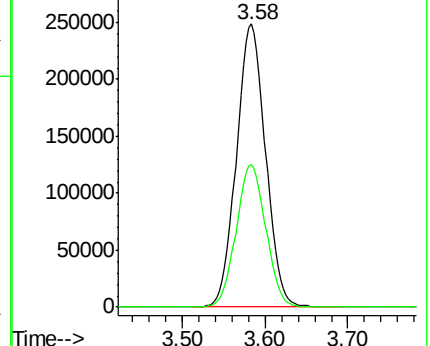
45 100

43 51.2 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 20.238 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU025631.D

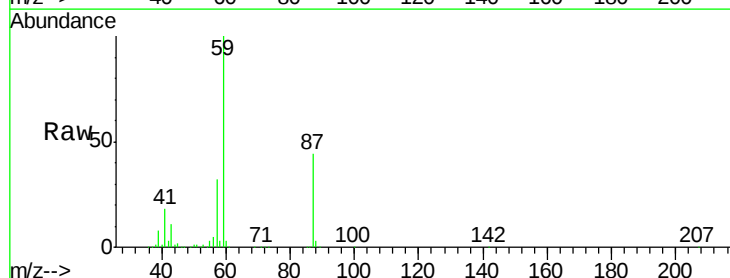
Acq: 25 Jul 2018 11:50

Tgt Ion: 59 Resp: 587568

Ion Ratio Lower Upper

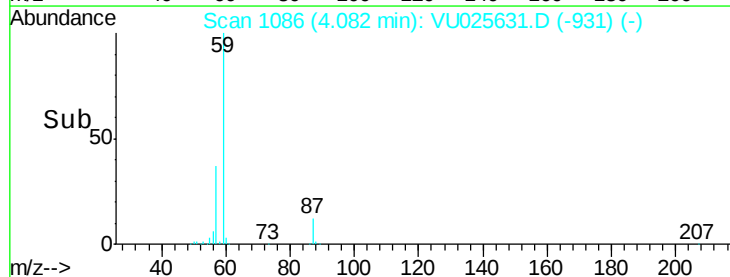
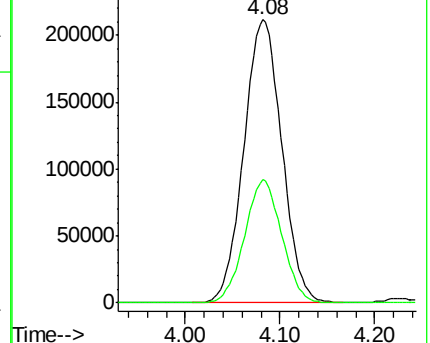
59 100

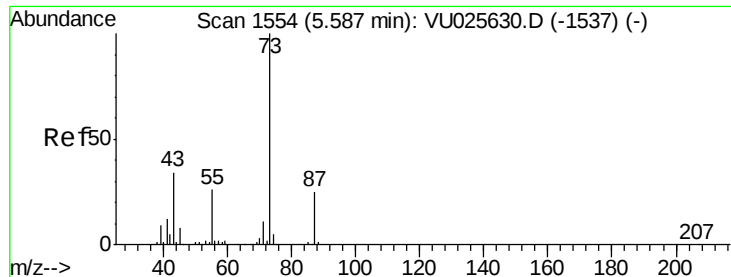
87 42.7 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

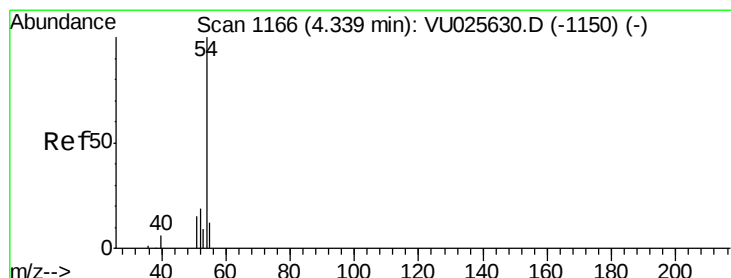
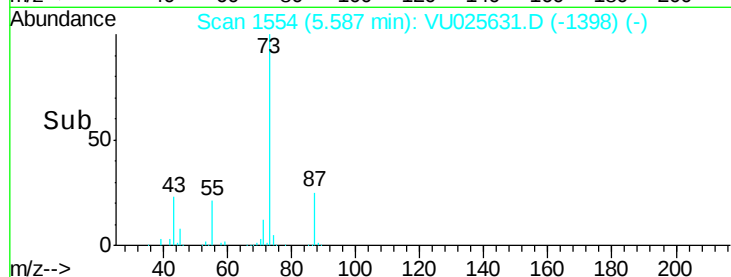
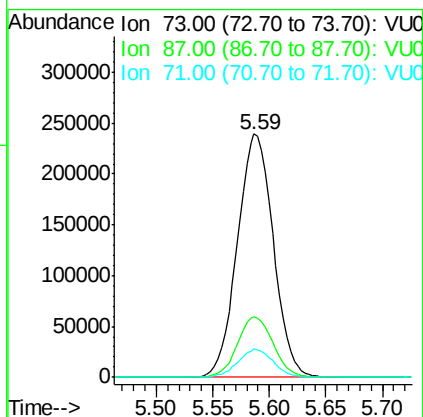
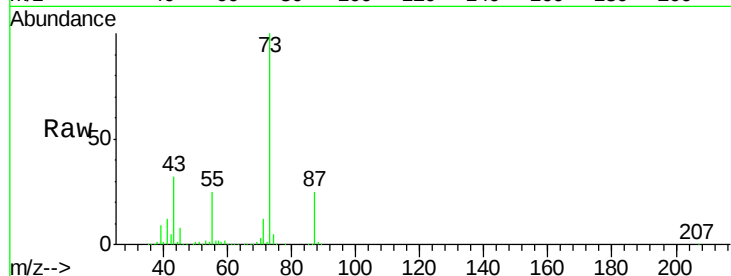




#33
Tert-Amyl methyl ether
Concen: 21.473 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

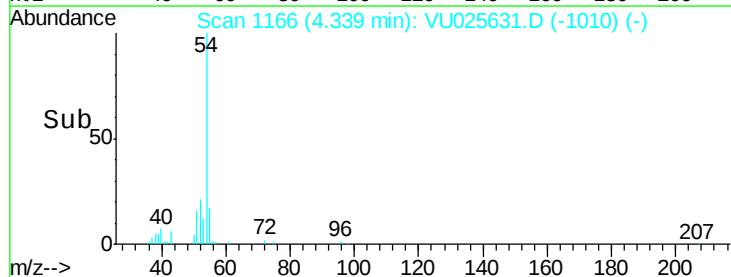
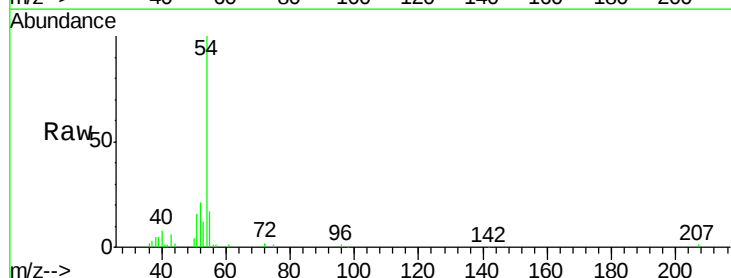
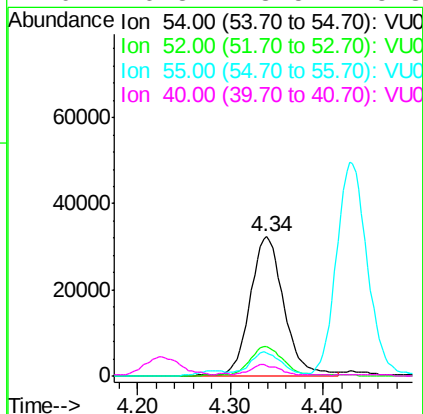
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

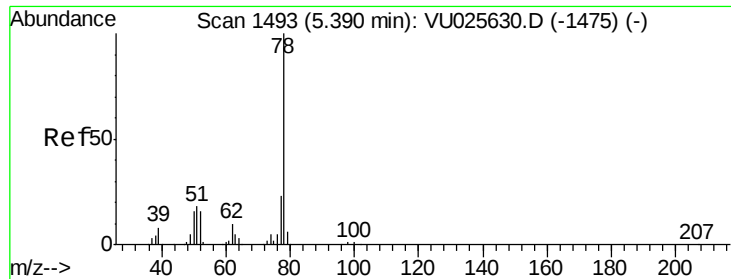
Tgt Ion: 73 Resp: 527680
Ion Ratio Lower Upper
73 100
87 24.8 18.6 28.0
71 11.4 9.3 13.9



#34
Propionitrile
Concen: 106.679 ug/l
RT: 4.34 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion: 54 Resp: 81996
Ion Ratio Lower Upper
54 100
52 19.6 13.7 20.5
55 16.1 10.2 15.2#
40 6.8 3.5 5.3#





#35

Benzene

Concen: 19.154 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

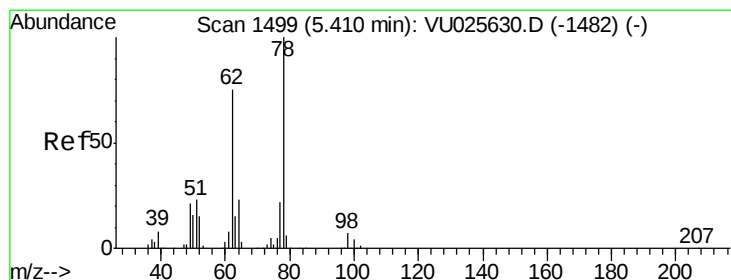
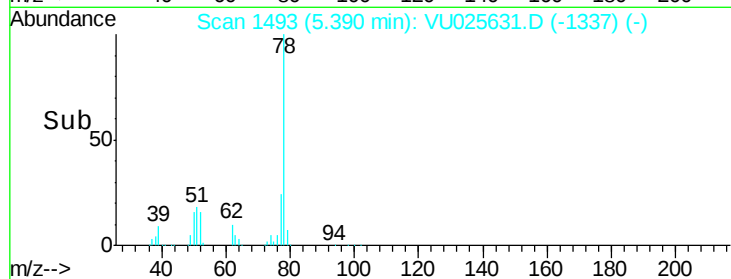
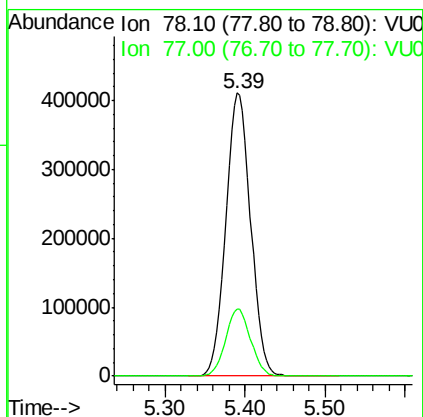
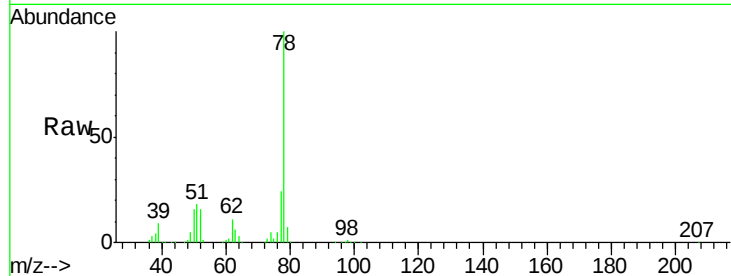
VSTDIC020

Tgt Ion: 78 Resp: 868629

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7



#36

1,2-Dichloroethane

Concen: 20.714 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025631.D

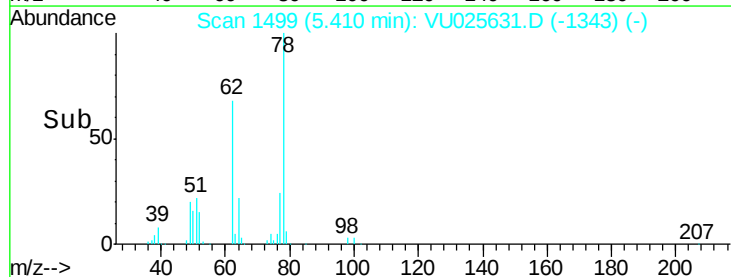
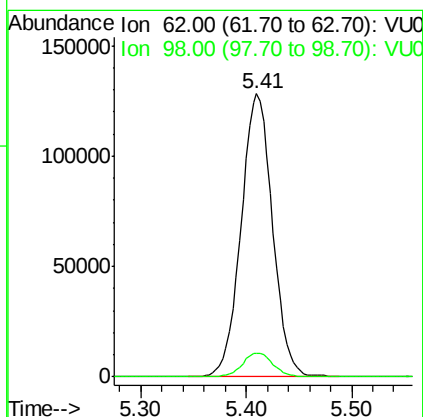
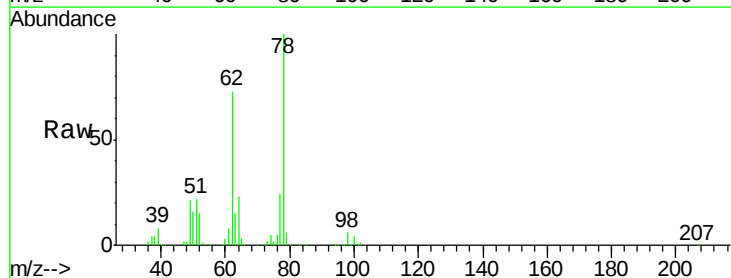
Acq: 25 Jul 2018 11:50

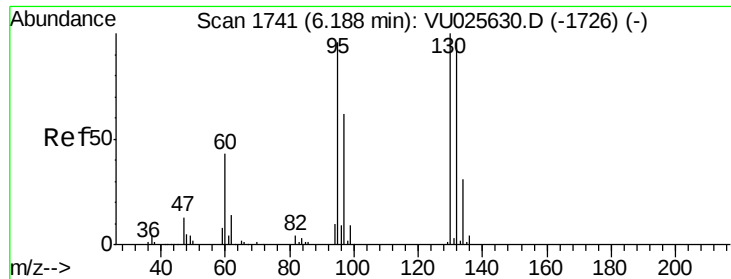
Tgt Ion: 62 Resp: 265674

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8





#37

Trichloroethene

Concen: 20.812 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

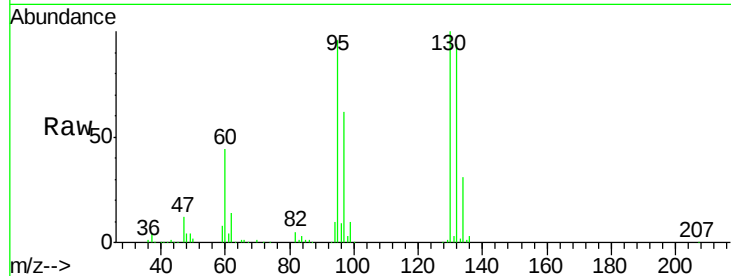
VSTDIC020

Tgt Ion:130 Resp: 253362

Ion Ratio Lower Upper

130 100

95 96.4 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

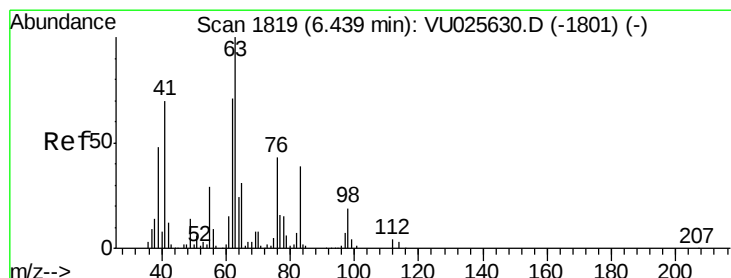
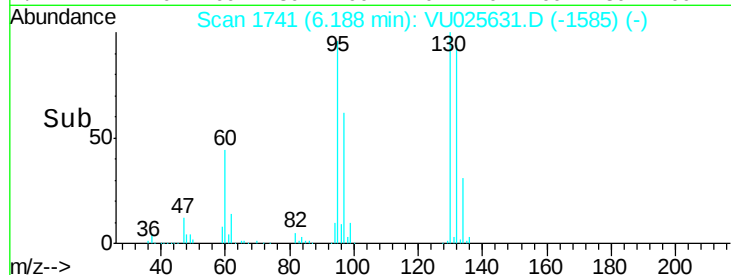
150000

100000

50000

0

Time-->



#38

1,2-Dichloropropane

Concen: 18.010 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025631.D

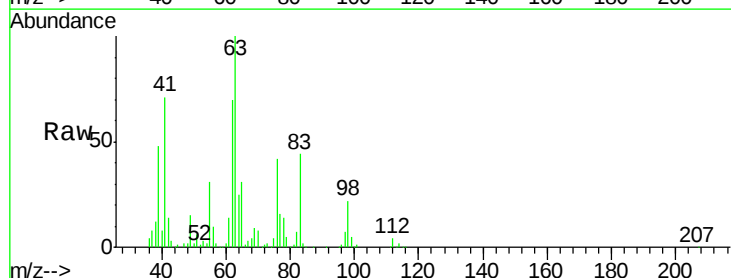
Acq: 25 Jul 2018 11:50

Tgt Ion: 63 Resp: 224005

Ion Ratio Lower Upper

63 100

65 31.2 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

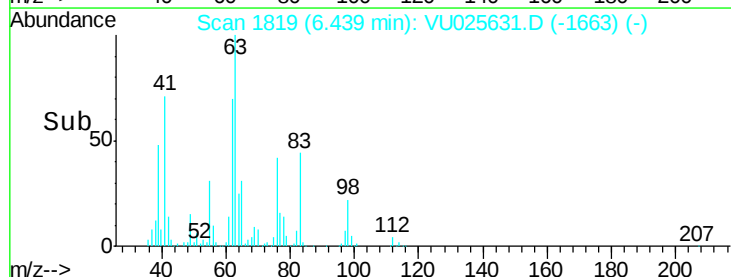
6.44

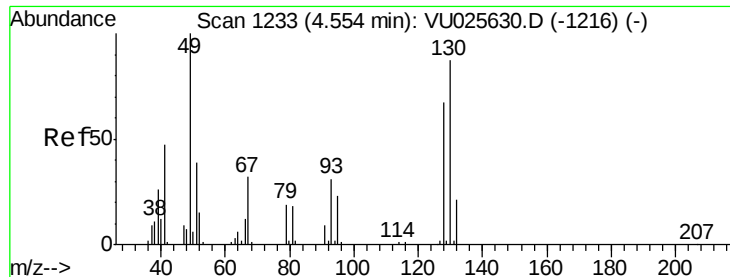
100000

50000

0

Time-->

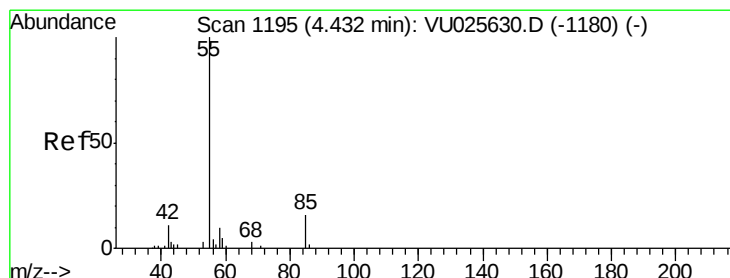
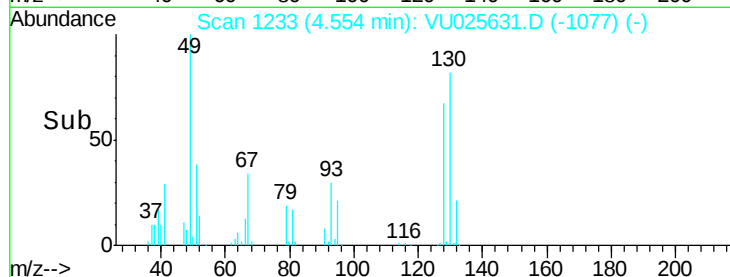
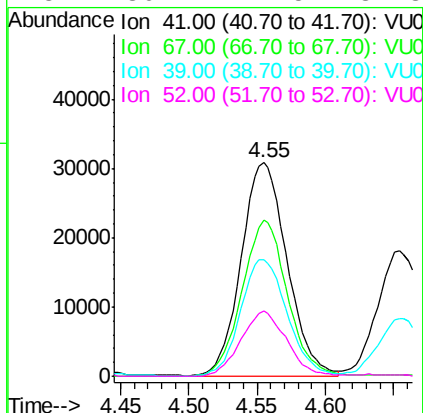
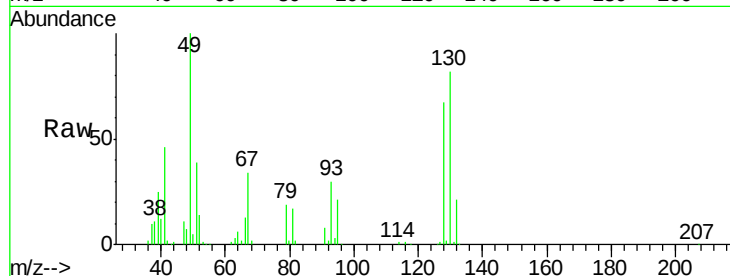




#39
Methacrylonitrile
Concen: 18.365 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

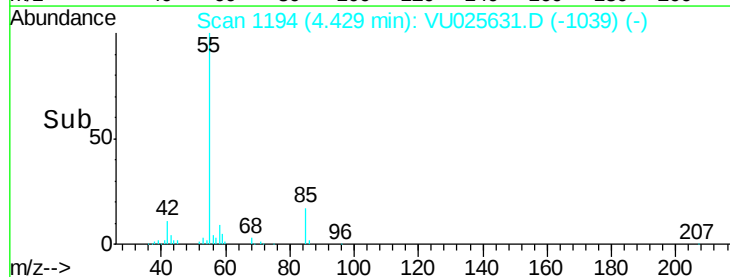
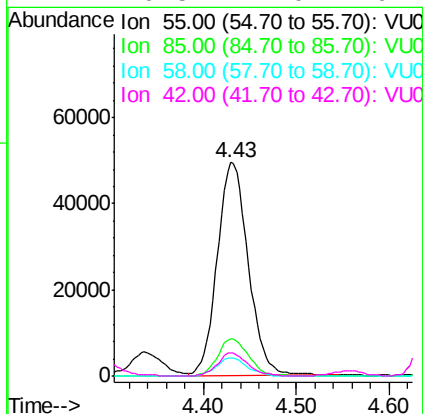
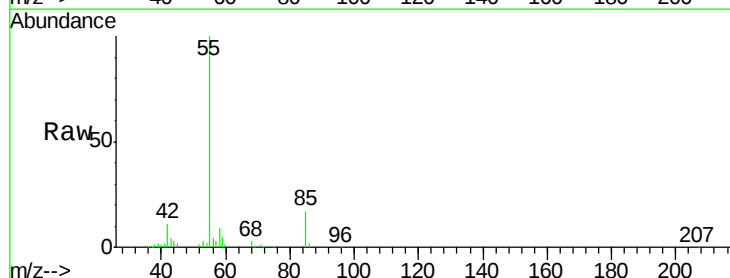
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

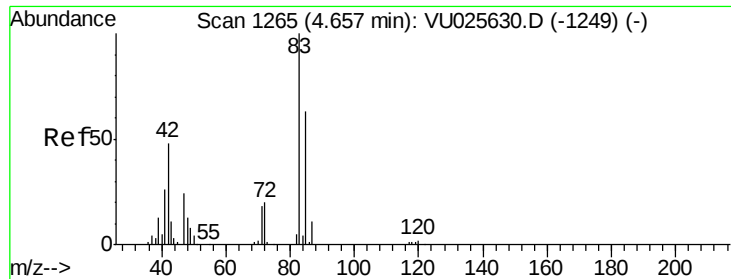
Tgt Ion:	41	Resp:	72179
Ion	Ratio	Lower	Upper
41	100		
67	71.8	51.3	76.9
39	55.5	40.6	60.8
52	30.4	21.5	32.3



#40
Methyl acrylate
Concen: 21.067 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:	55	Resp:	114844
Ion	Ratio	Lower	Upper
55	100		
85	17.2	12.3	18.5
58	8.4	7.0	10.6
42	10.5	7.0	10.4#

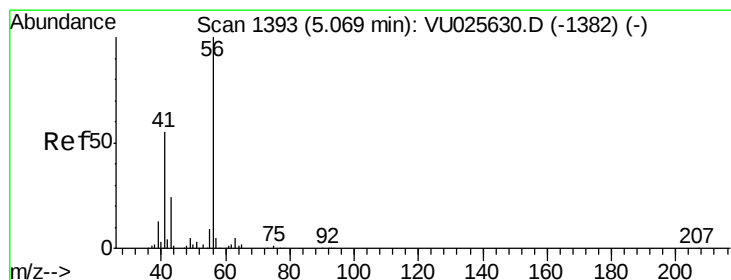
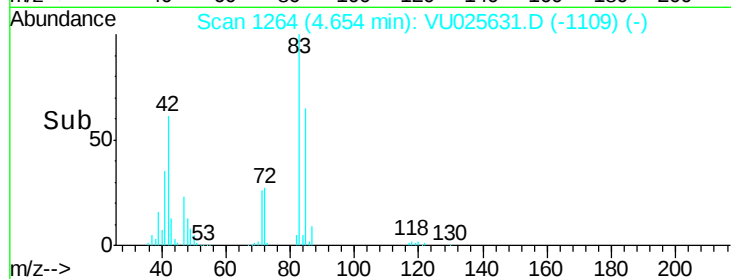
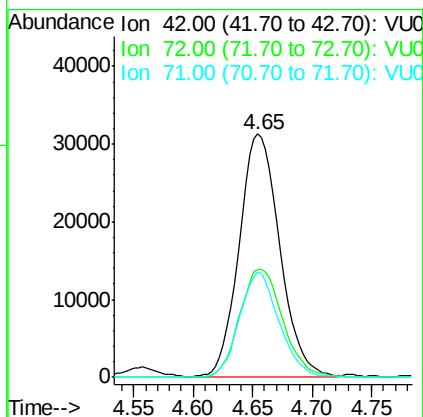
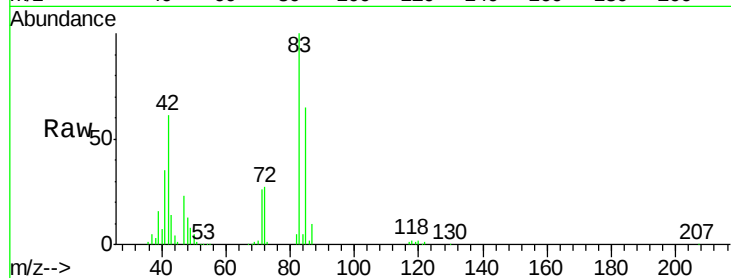




#41
Tetrahydrofuran
Concen: 36.347 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

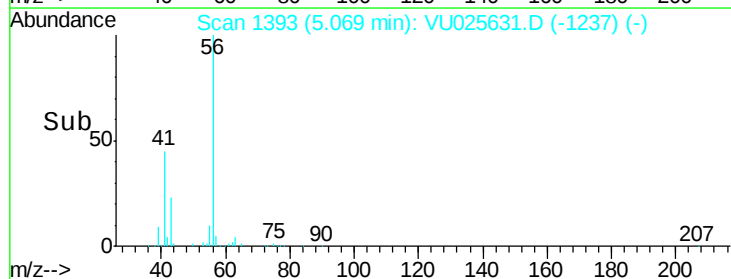
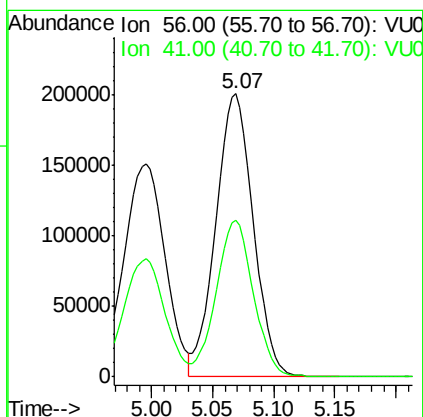
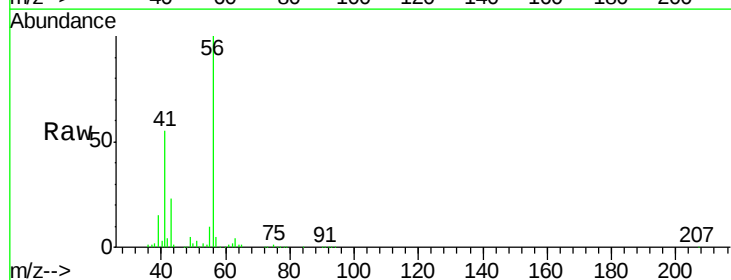
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

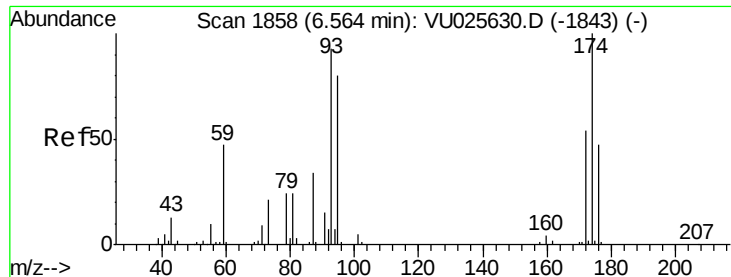
Tgt Ion: 42 Resp: 73607
Ion Ratio Lower Upper
42 100
72 47.6 33.2 49.8
71 42.8 29.8 44.8



#42
1-Chlorobutane
Concen: 19.455 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion: 56 Resp: 430235
Ion Ratio Lower Upper
56 100
41 54.5 27.5 82.5





#43

Dibromomethane

Concen: 21.977 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

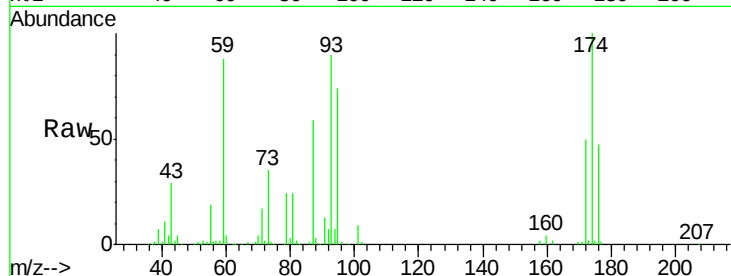
Tgt Ion: 93 Resp: 117568

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

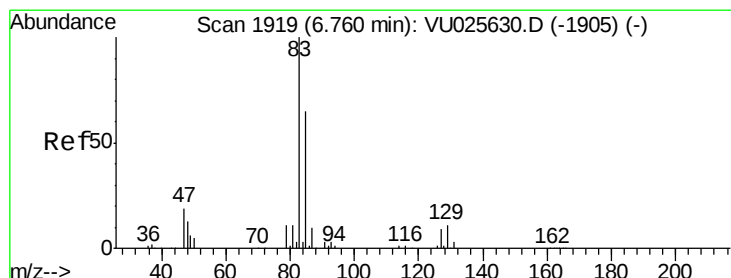
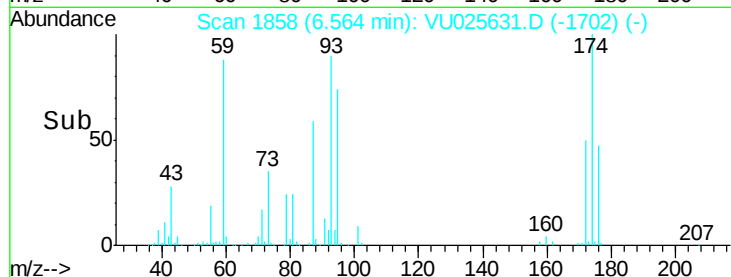
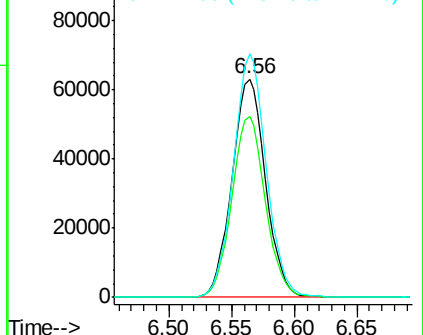
174 108.7 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 22.434 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

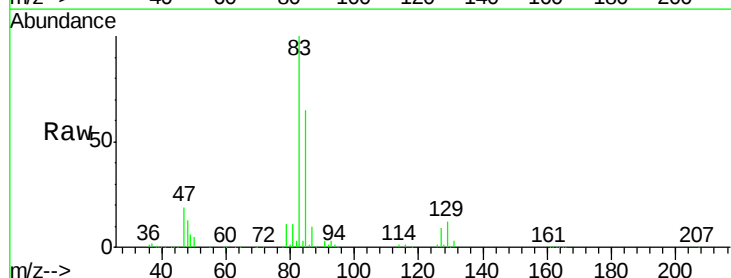
Tgt Ion: 83 Resp: 301562

Ion Ratio Lower Upper

83 100

85 64.9 52.2 78.4

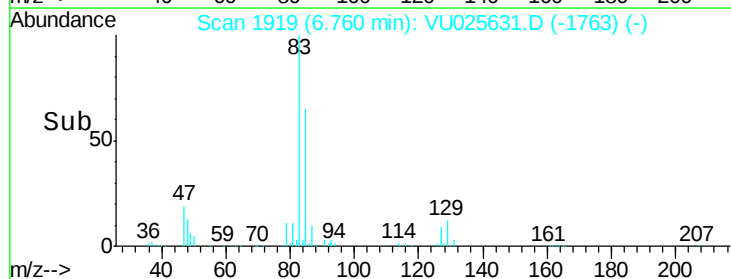
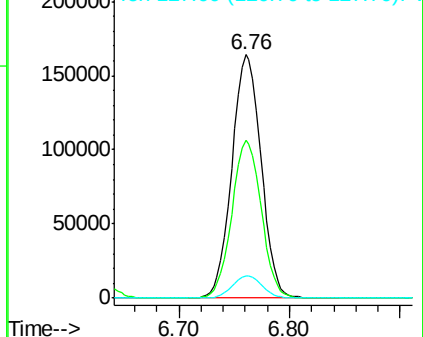
127 9.3 7.0 10.4

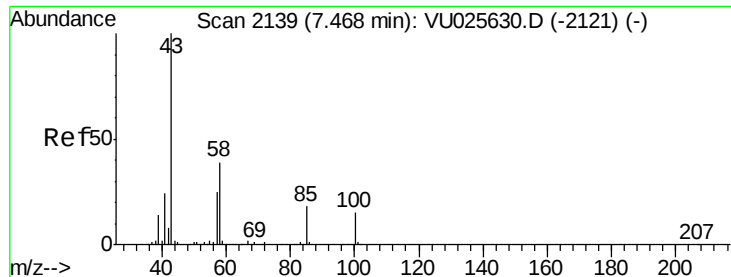


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

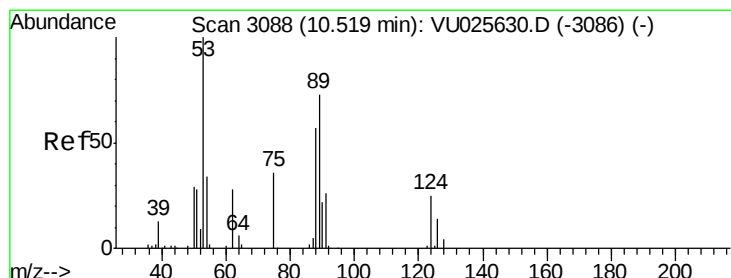
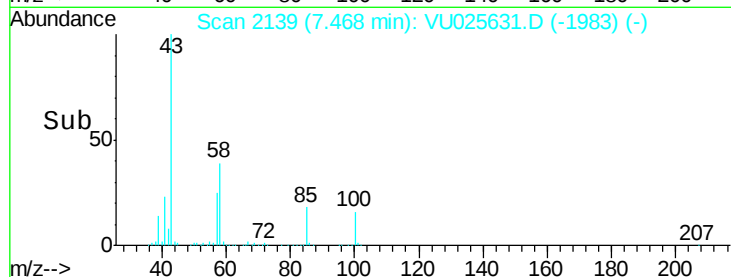
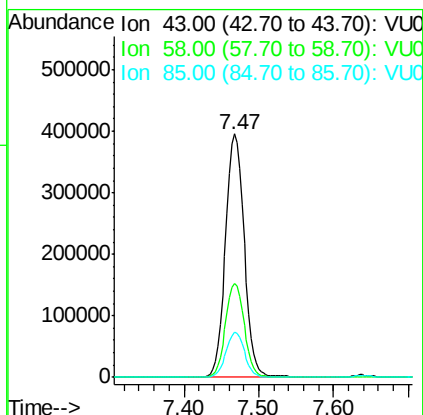
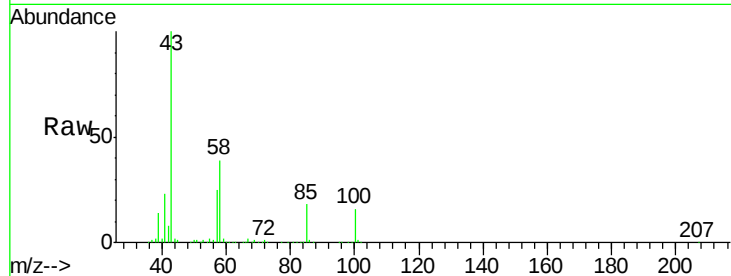




#45
 4-Methyl-2-Pentanone
 Concen: 108.625 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

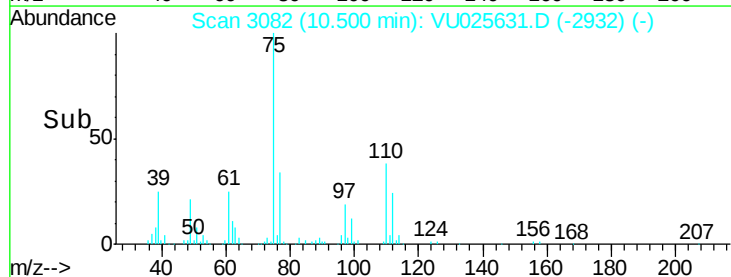
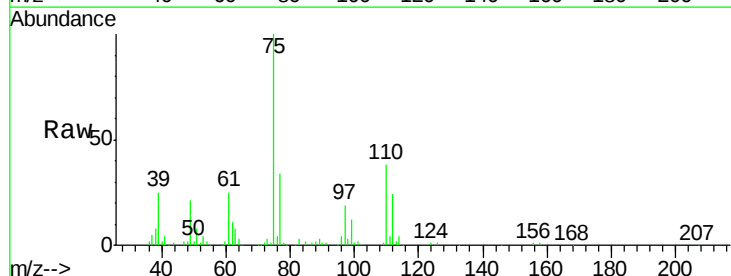
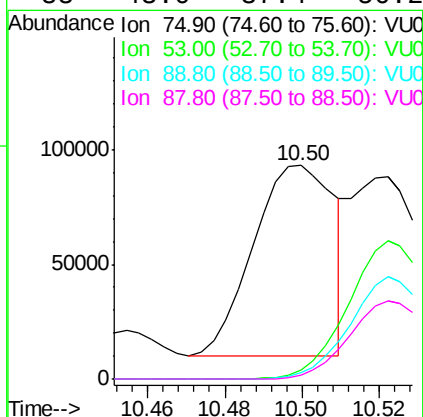
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

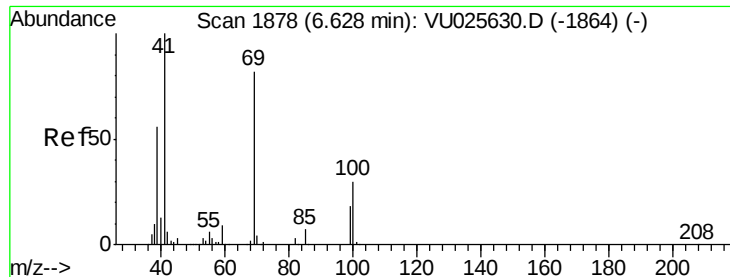
Tgt Ion: 43 Resp: 686778
 Ion Ratio Lower Upper
 43 100
 58 38.7 18.8 56.4
 85 18.4 12.6 19.0



#46
 t-1,4-Dichloro-2-butene
 Concen: 64.287 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.02 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 75 Resp: 120173
 Ion Ratio Lower Upper
 75 100
 53 75.1 82.2 123.4#
 89 54.7 51.3 76.9
 88 43.0 37.4 56.2

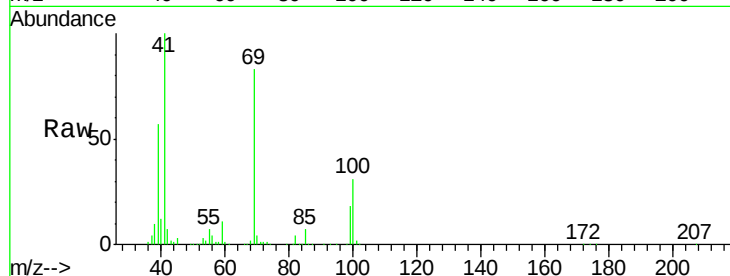




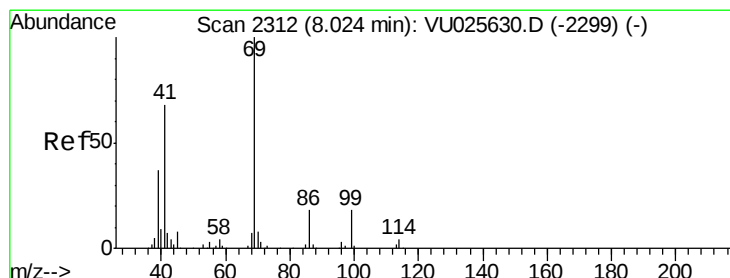
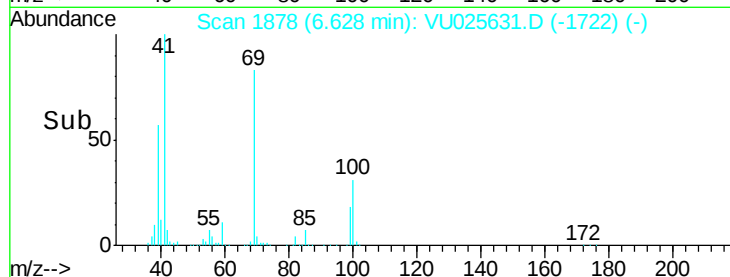
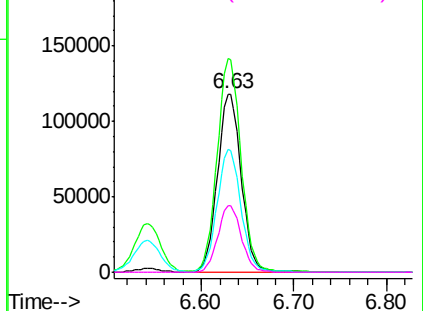
#47
Methyl methacrylate
Concen: 43.426 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 69 Resp: 210488
Ion Ratio Lower Upper
69 100
41 119.4 0.0 245.4
39 68.3 49.0 73.4
100 37.0 27.8 41.8

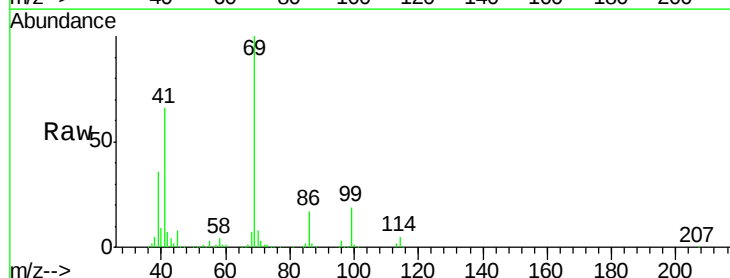


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

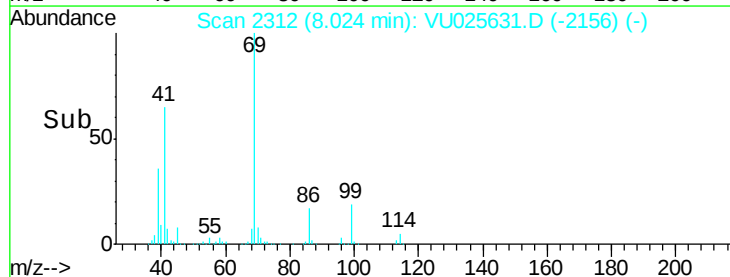
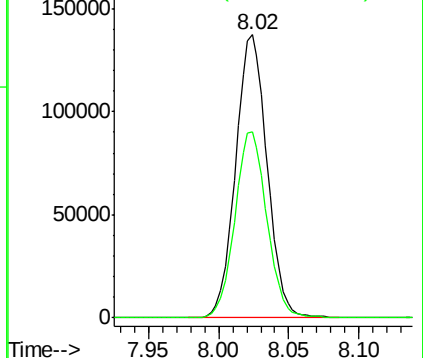


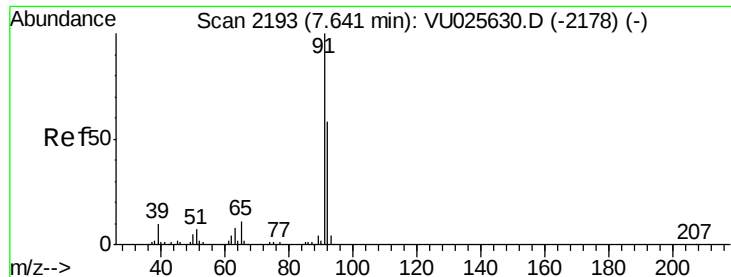
#48
Ethyl methacrylate
Concen: 25.373 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion: 69 Resp: 215032
Ion Ratio Lower Upper
69 100
41 67.0 34.2 102.5



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





#49

Toluene

Concen: 21.162 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

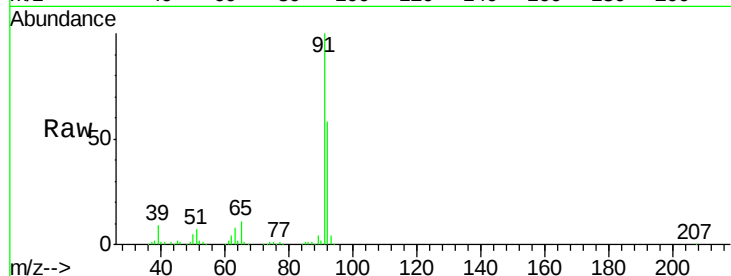
VSTDIC020

Tgt Ion: 92 Resp: 554356

Ion Ratio Lower Upper

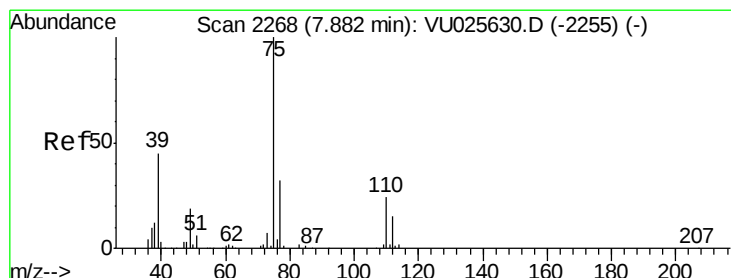
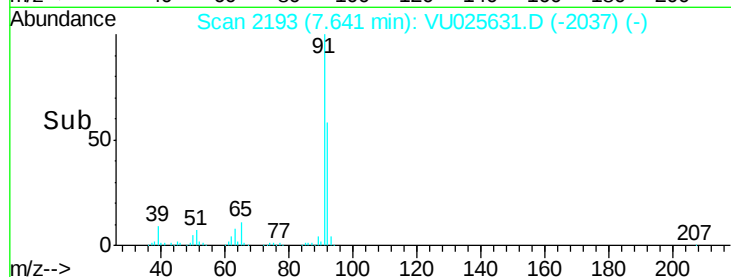
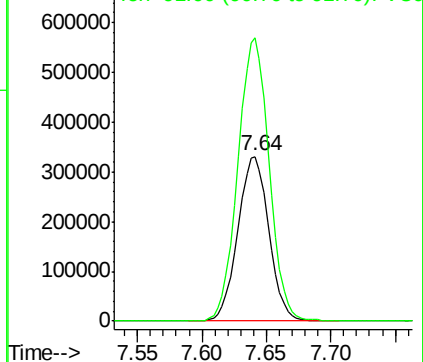
92 100

91 173.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 25.072 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025631.D

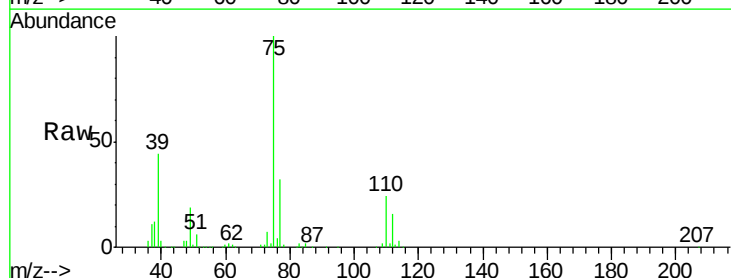
Acq: 25 Jul 2018 11:50

Tgt Ion: 75 Resp: 287672

Ion Ratio Lower Upper

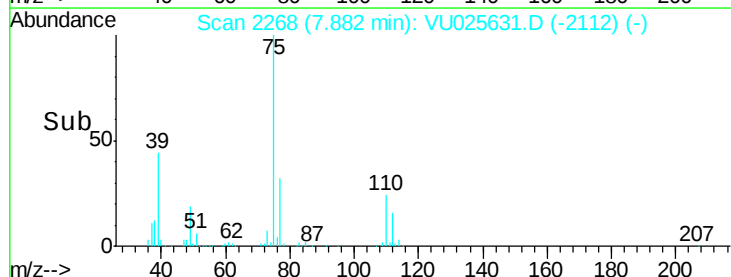
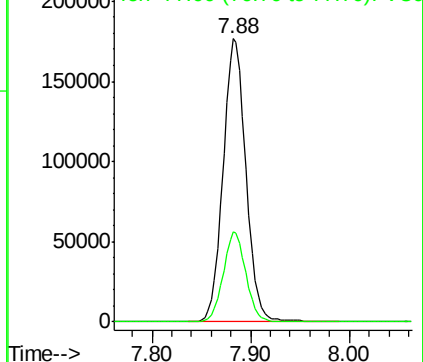
75 100

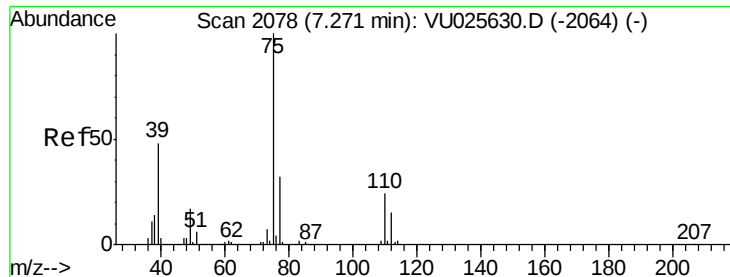
77 31.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



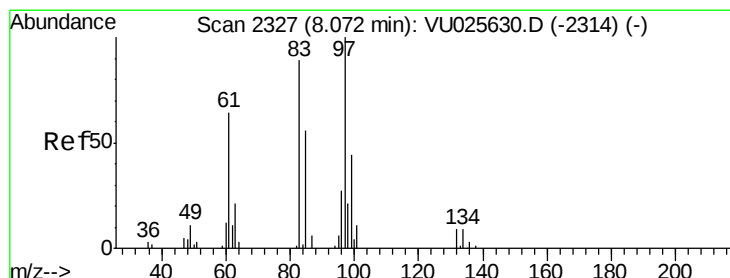
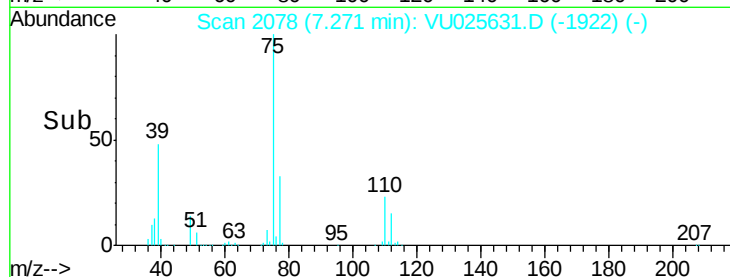
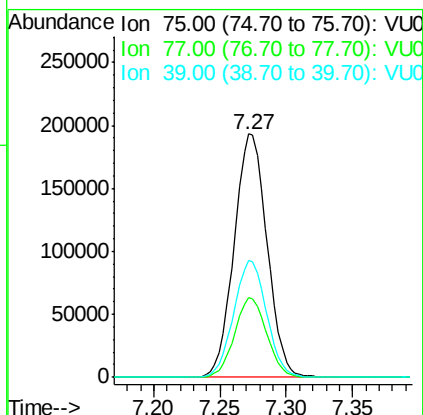
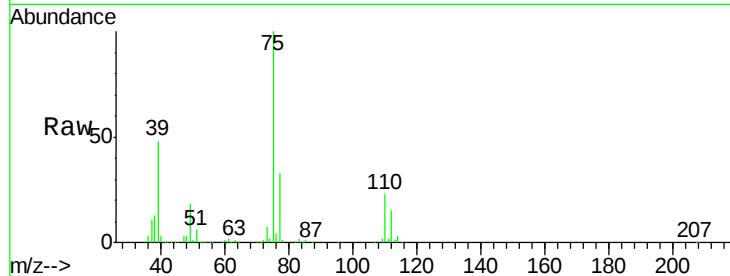


#51

cis-1,3-Dichloropropene
 Concen: 22.343 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

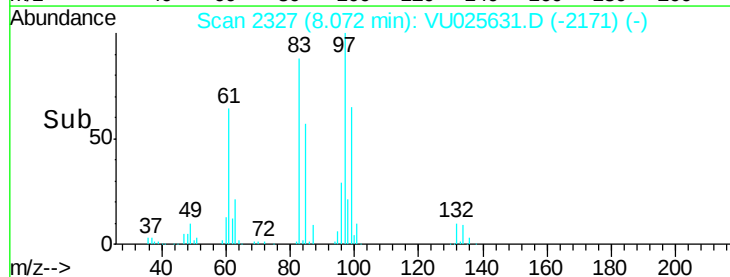
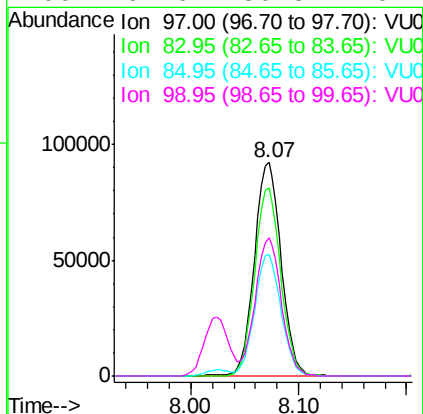
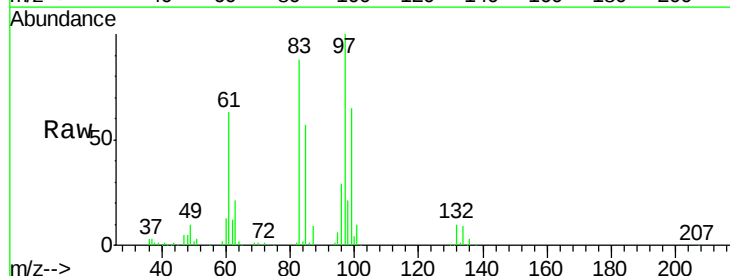
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8
39	47.9	36.4	54.6

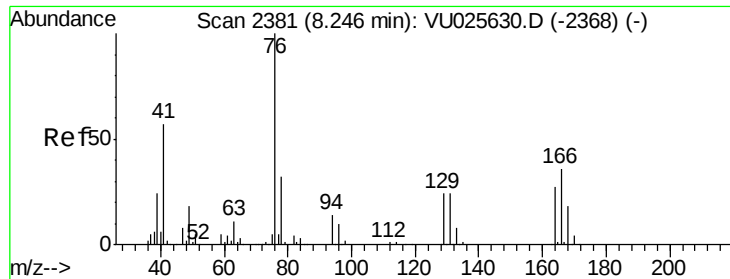


#52

1,1,2-Trichloroethane
 Concen: 20.857 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	72.6	109.0
85	57.1	47.2	70.8
99	64.6	50.8	76.2

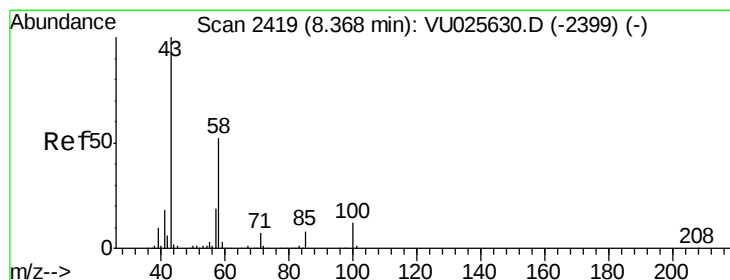
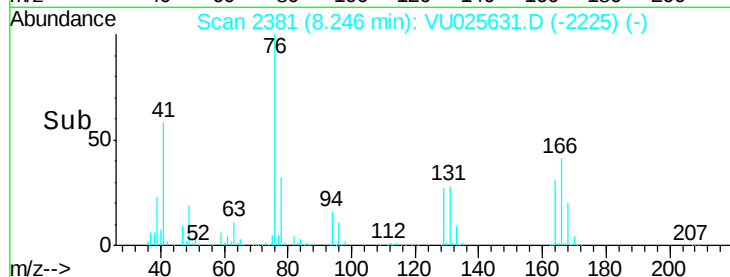
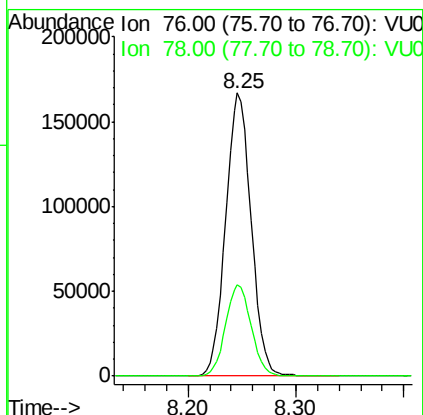
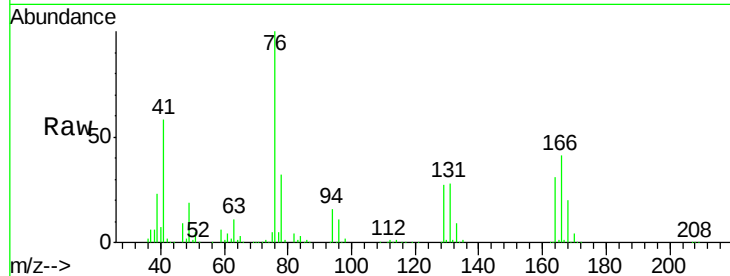




#53
 1,3-Dichloropropane
 Concen: 20.357 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

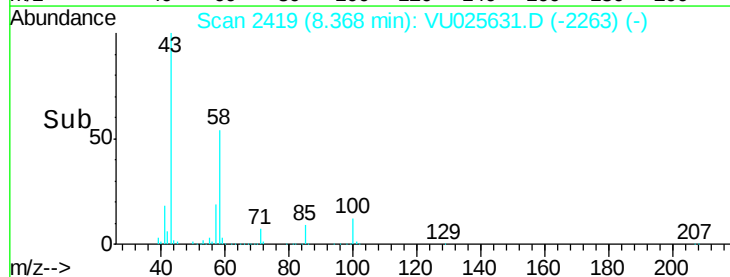
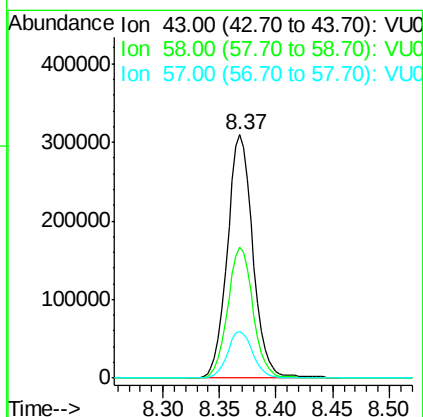
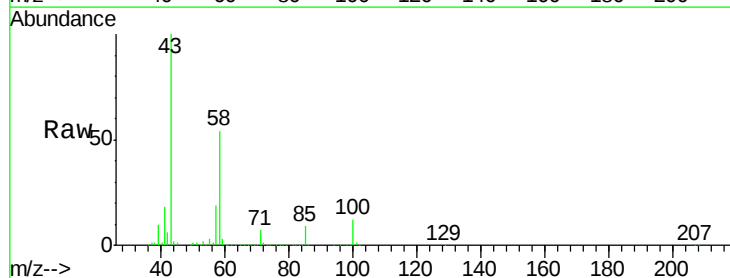
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

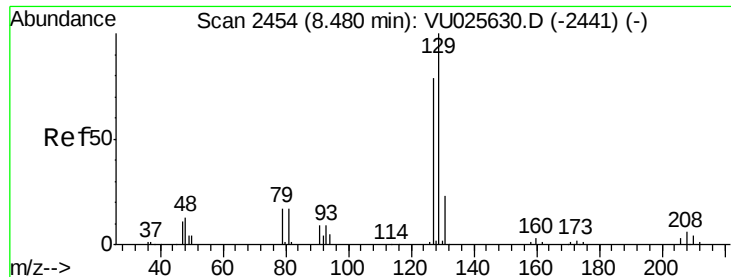
Tgt Ion: 76 Resp: 275462
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#54
 2-Hexanone
 Concen: 112.829 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 43 Resp: 485941
 Ion Ratio Lower Upper
 43 100
 58 53.7 32.5 72.5
 57 19.2 0.0 37.9





#55

Dibromochloromethane

Concen: 25.463 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

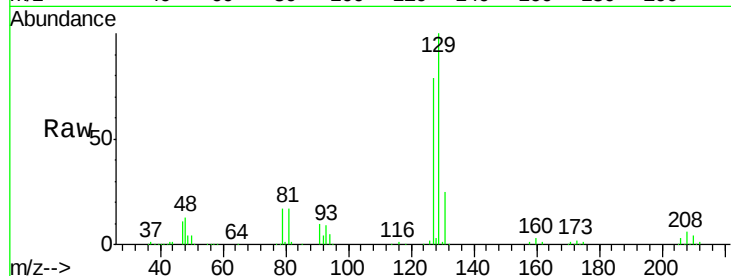
VSTDIC020

Tgt Ion:129 Resp: 212368

Ion Ratio Lower Upper

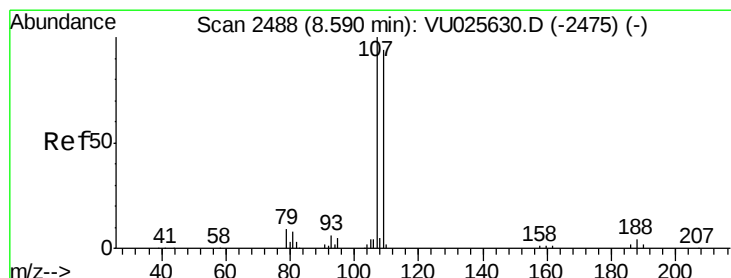
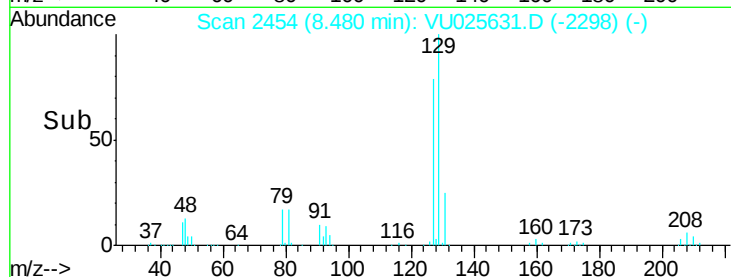
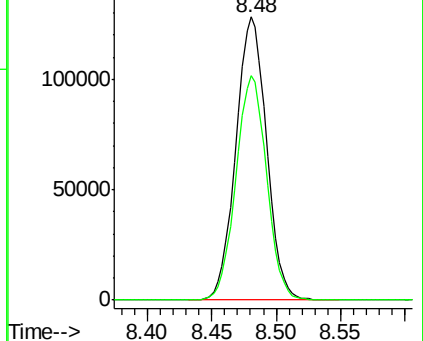
129 100

127 79.3 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 23.882 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025631.D

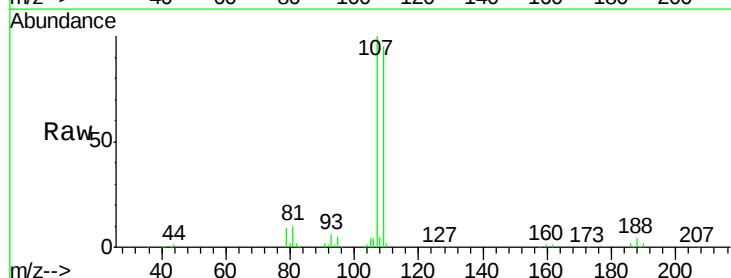
Acq: 25 Jul 2018 11:50

Tgt Ion:107 Resp: 156634

Ion Ratio Lower Upper

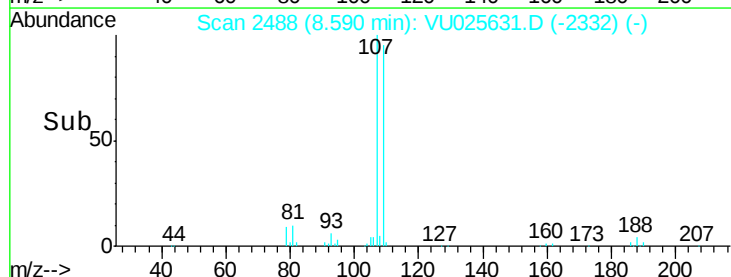
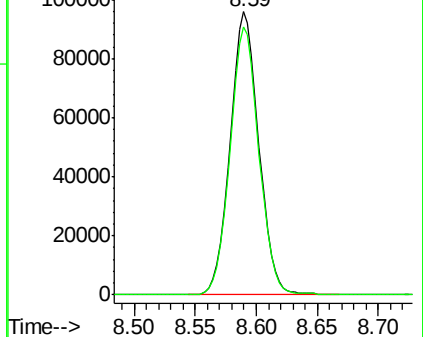
107 100

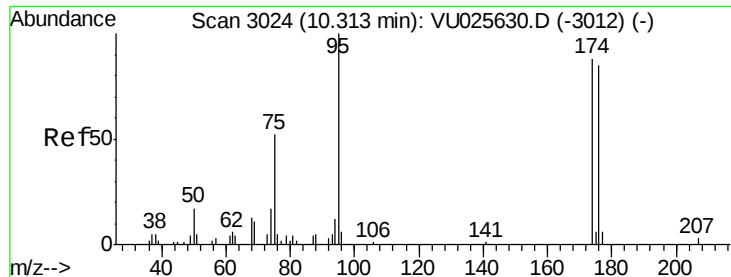
109 95.4 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 23.882 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

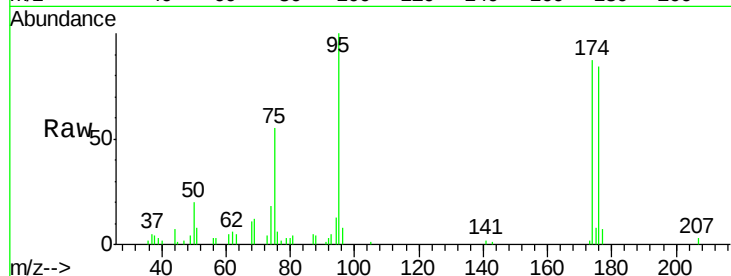
Tgt Ion: 95 Resp: 14884

Ion Ratio Lower Upper

95 100

174 89.2 65.6 98.4

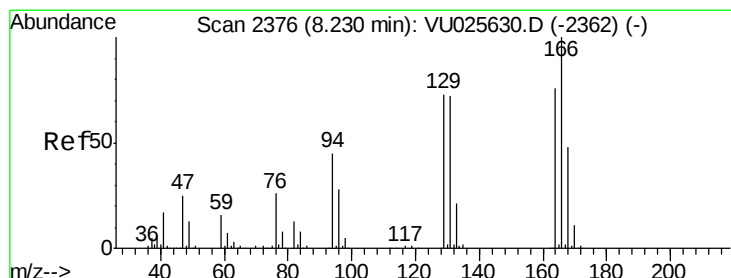
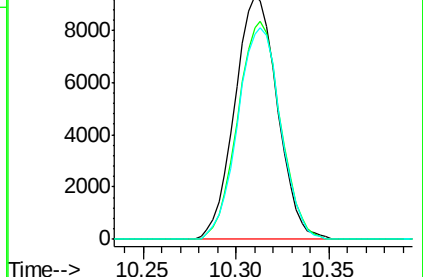
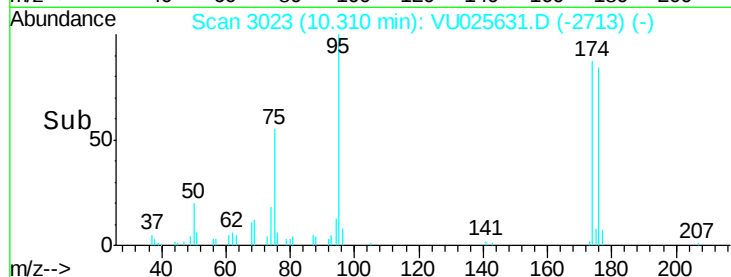
176 87.4 62.0 93.0



Abundance Ion 95.00 (94.70 to 95.70): VU025631.D (-2713) (-)

Ion 174.00 (173.70 to 174.70): VU025631.D (-2713) (-)

Ion 176.00 (175.70 to 176.70): VU025631.D (-2713) (-)



#58

Tetrachloroethene

Concen: 21.368 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Tgt Ion: 164 Resp: 237180

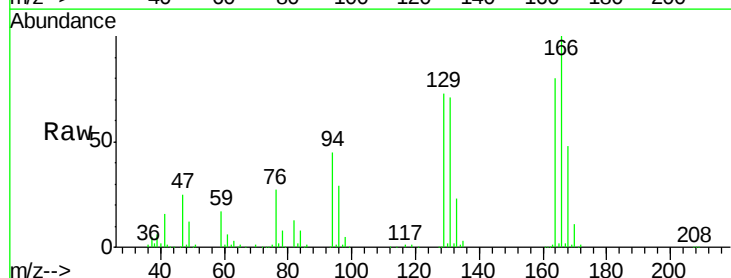
Ion Ratio Lower Upper

164 100

166 125.5 104.1 156.1

129 92.0 76.8 115.2

131 89.4 72.6 108.8

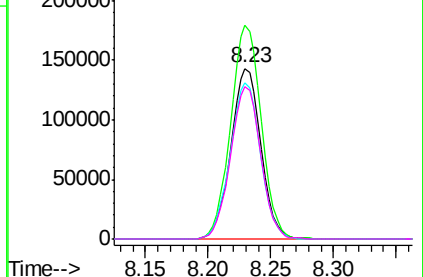
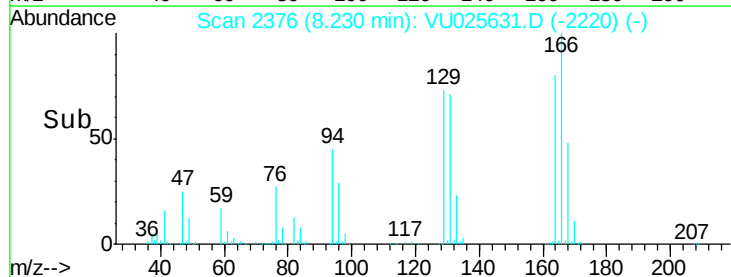


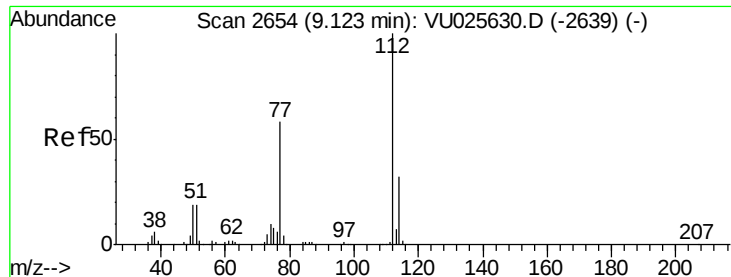
Abundance Ion 163.85 (163.55 to 164.55): VU025631.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU025631.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU025631.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU025631.D (-2220) (-)





#59

Chlorobenzene

Concen: 22.481 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

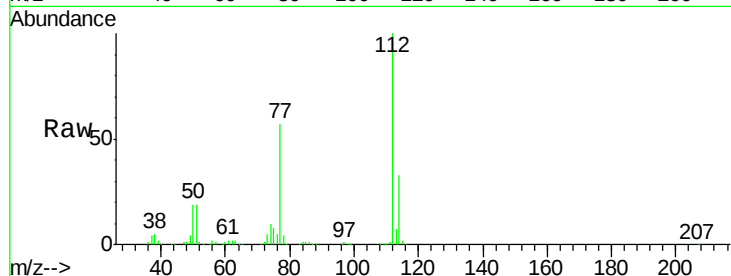
VSTDIC020

Tgt Ion:112 Resp: 630366

Ion Ratio Lower Upper

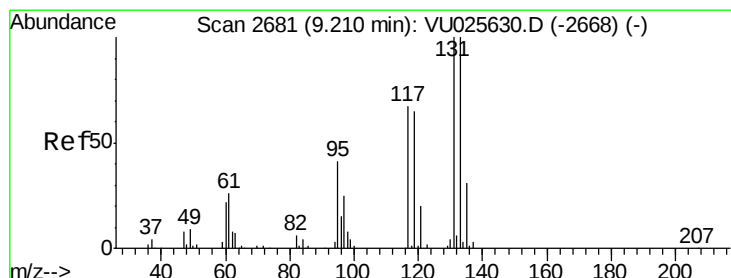
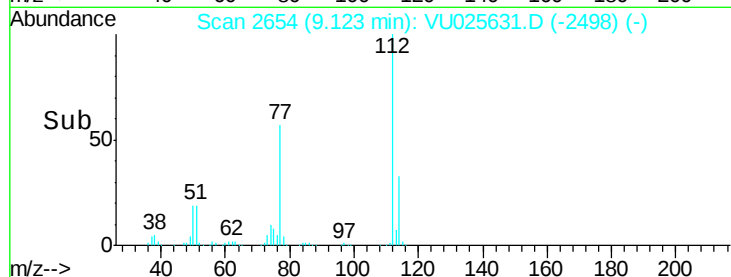
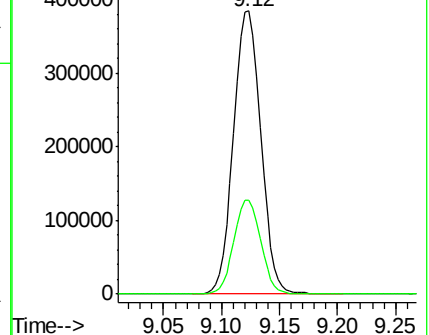
112 100

114 33.4 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 24.583 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

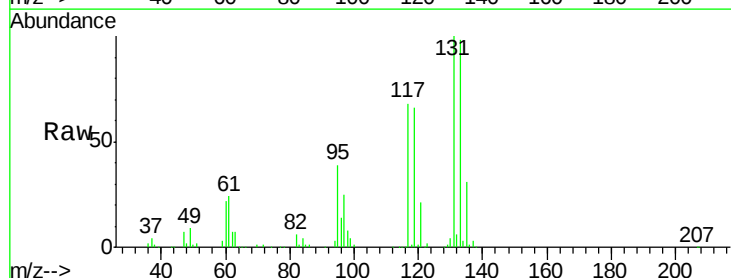
Tgt Ion:131 Resp: 234119

Ion Ratio Lower Upper

131 100

133 97.1 75.8 113.8

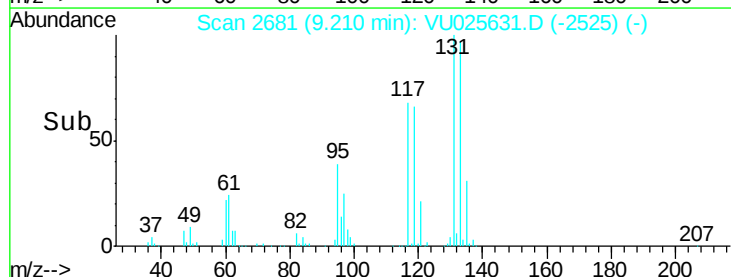
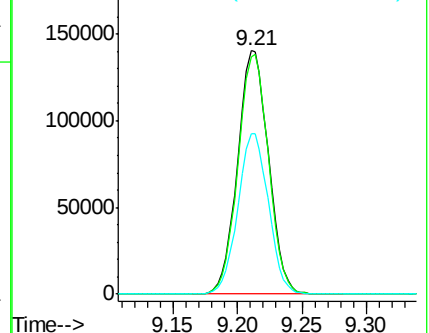
119 65.0 53.0 79.6

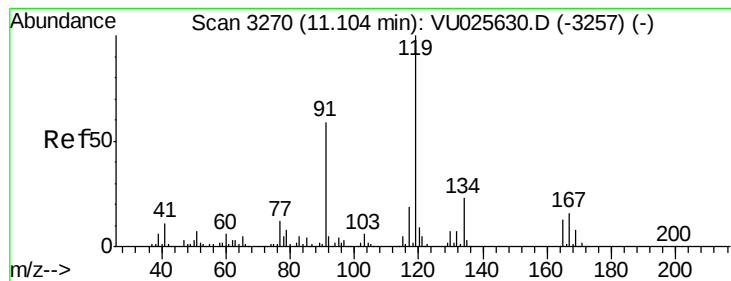


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 27.093 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

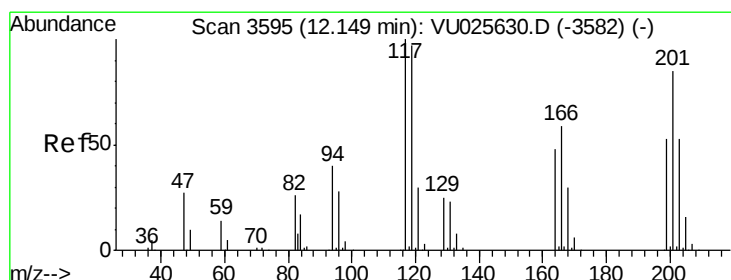
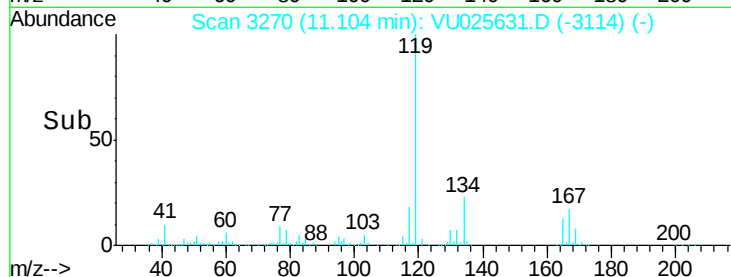
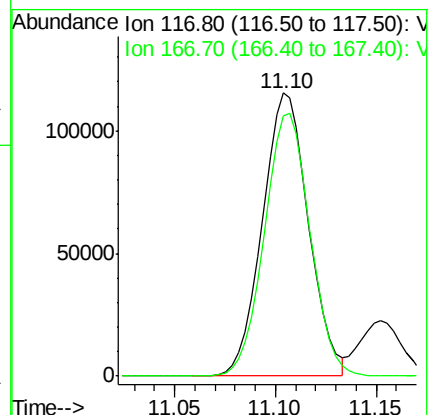
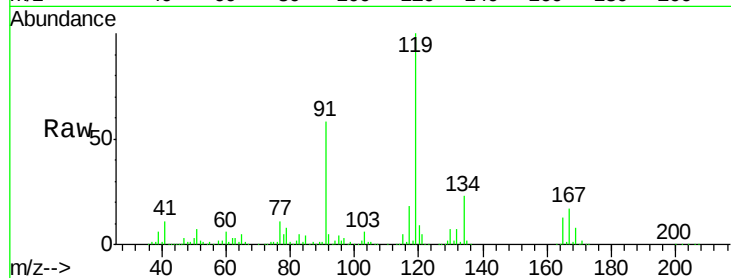
VSTDIC020

Tgt Ion:117 Resp: 183141

Ion Ratio Lower Upper

117 100

167 92.2 69.2 103.8



#62

Hexachloroethane

Concen: 30.789 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025631.D

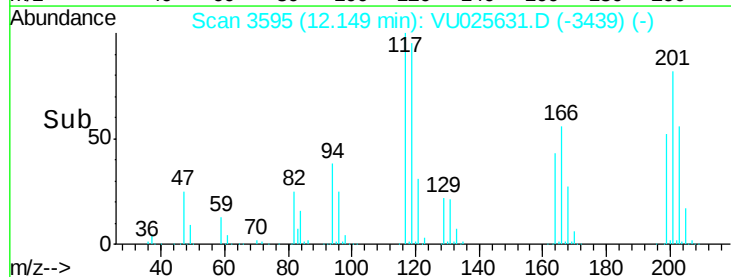
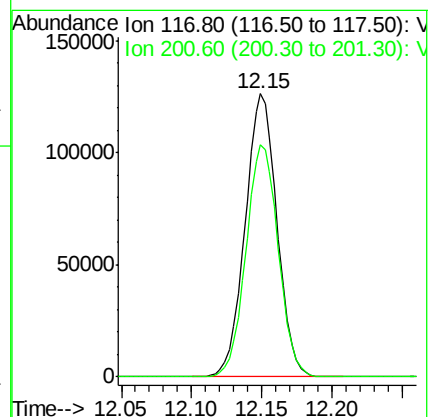
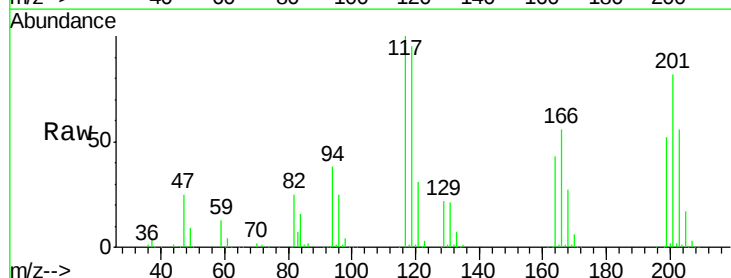
Acq: 25 Jul 2018 11:50

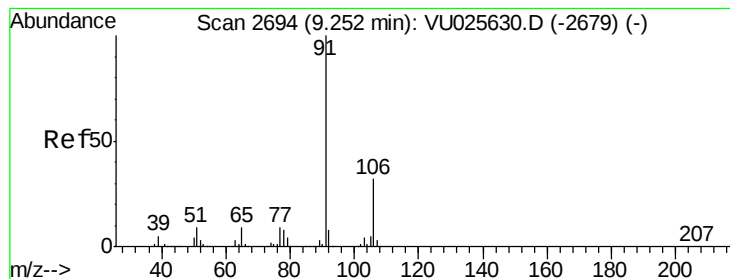
Tgt Ion:117 Resp: 199754

Ion Ratio Lower Upper

117 100

201 83.2 68.7 103.1





#63

Ethyl Benzene

Concen: 23.634 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

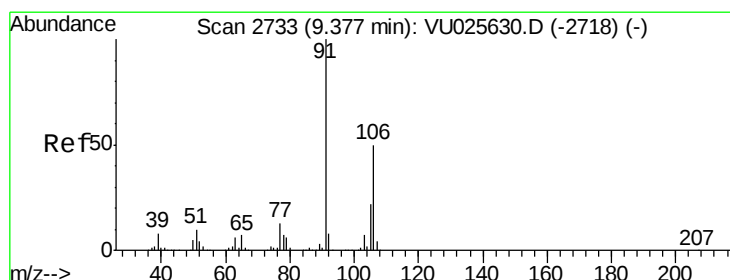
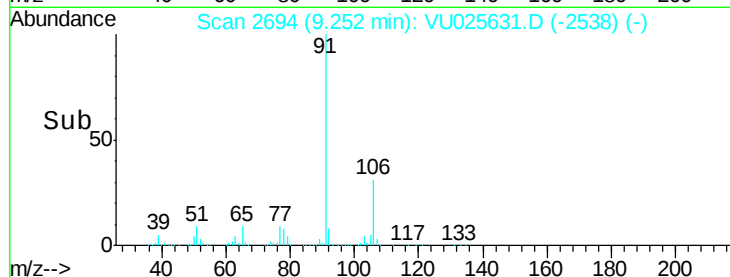
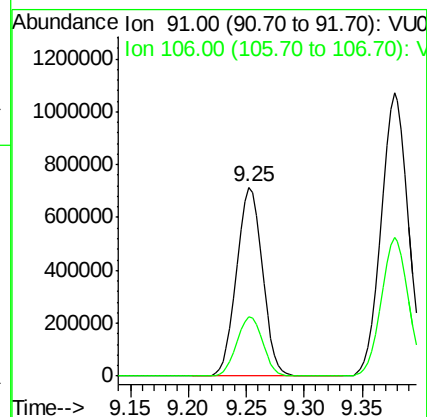
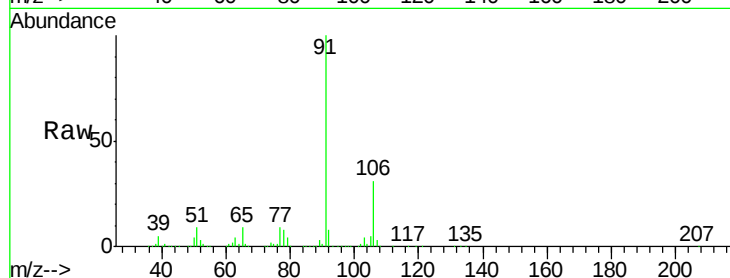
VSTDIC020

Tgt Ion: 91 Resp: 1101519

Ion Ratio Lower Upper

91 100

106 31.3 24.7 37.1



#64

m/p-Xylenes

Concen: 47.848 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025631.D

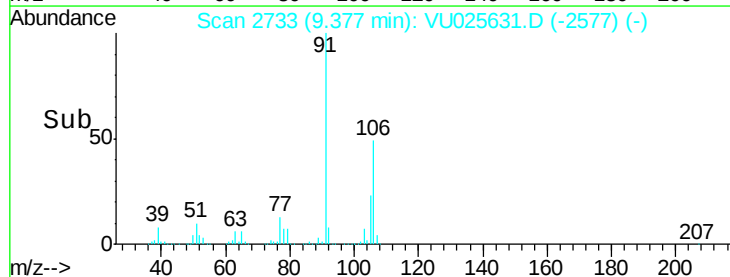
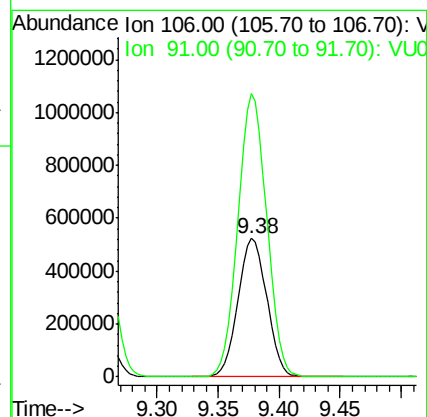
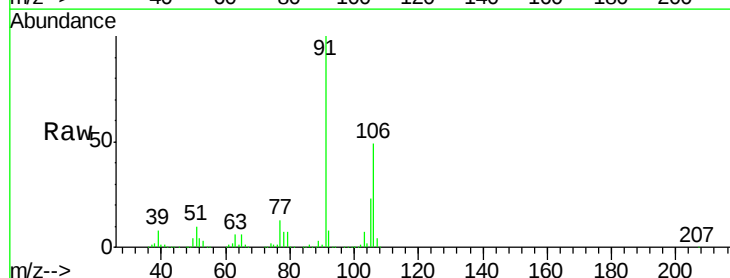
Acq: 25 Jul 2018 11:50

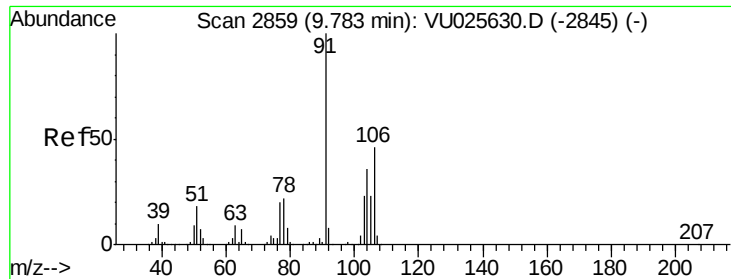
Tgt Ion: 106 Resp: 860021

Ion Ratio Lower Upper

106 100

91 203.4 164.1 246.1

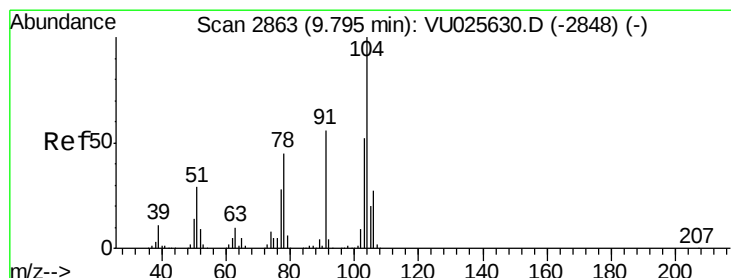
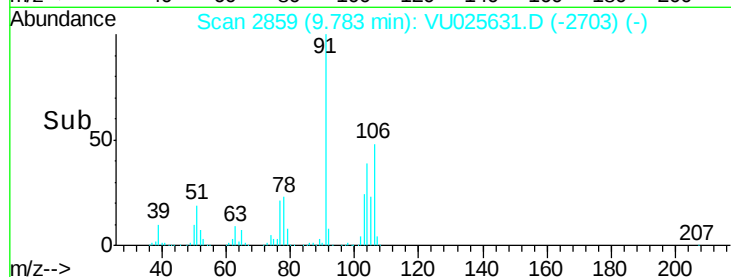
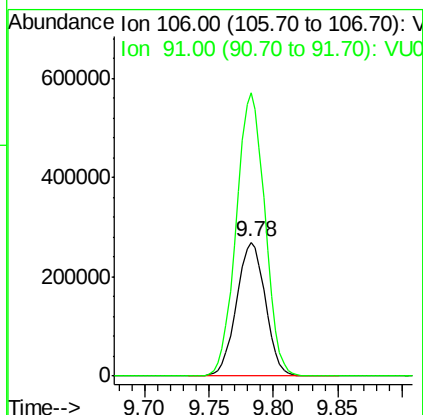
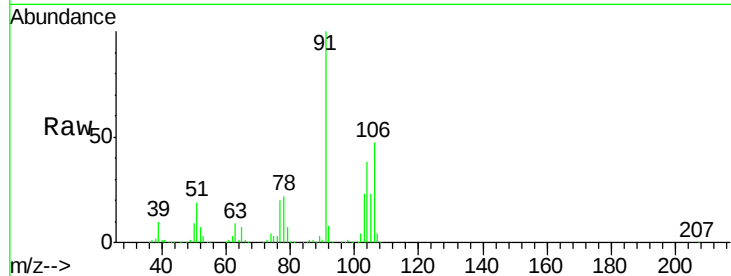




#65
o-Xylene
Concen: 24.226 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

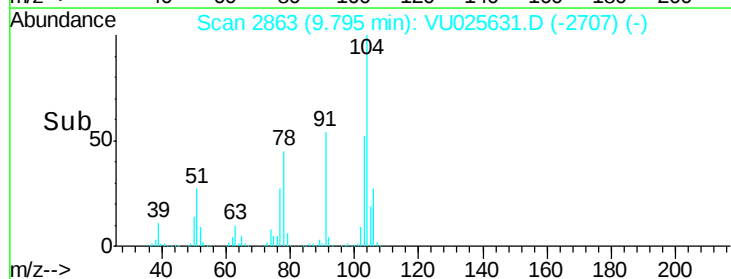
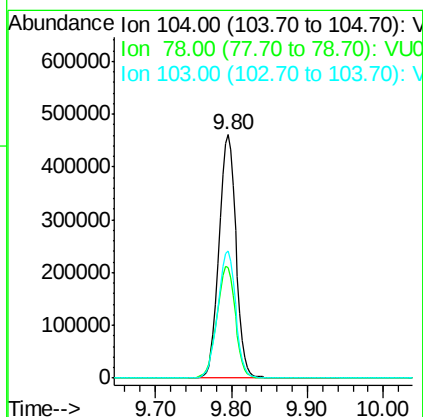
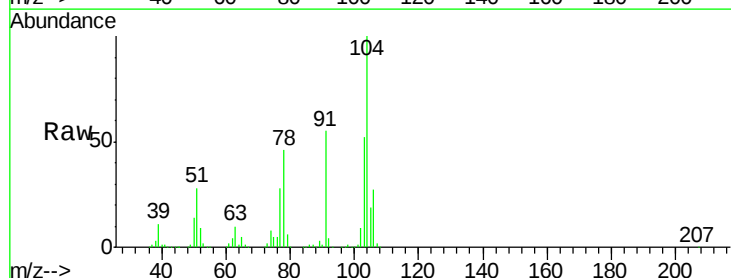
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

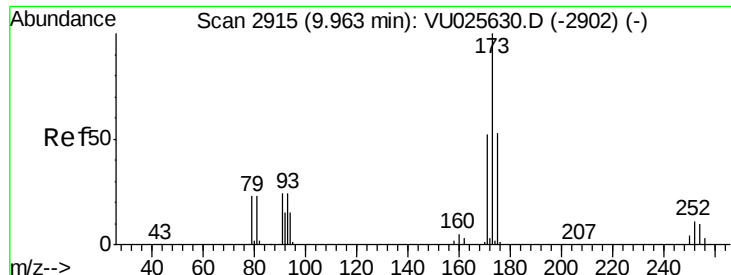
Tgt Ion:106 Resp: 419319
Ion Ratio Lower Upper
106 100
91 210.8 107.9 323.7



#66
Styrene
Concen: 24.984 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:104 Resp: 713146
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.2
103 54.9 44.2 66.4

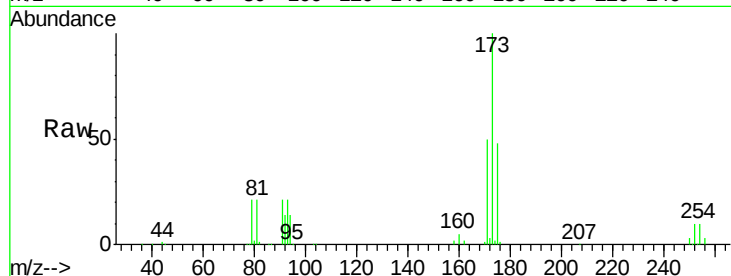




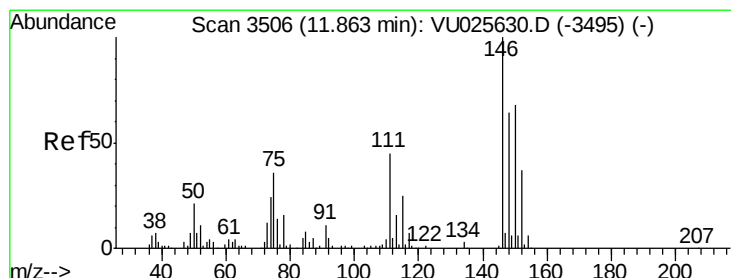
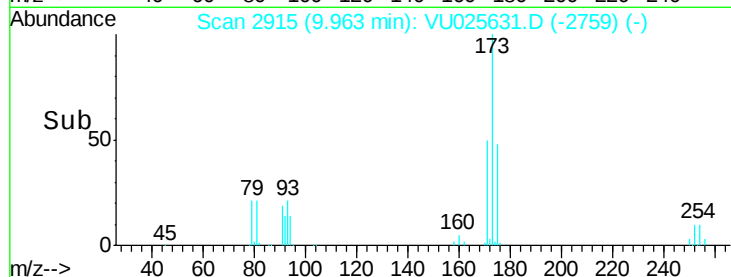
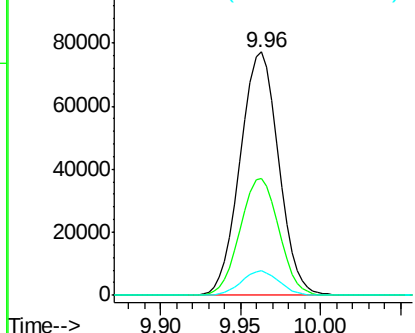
#67
Bromoform
Concen: 29.130 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 126890
Ion Ratio Lower Upper
173 100
175 48.5 38.6 57.8
254 9.9 8.8 13.2

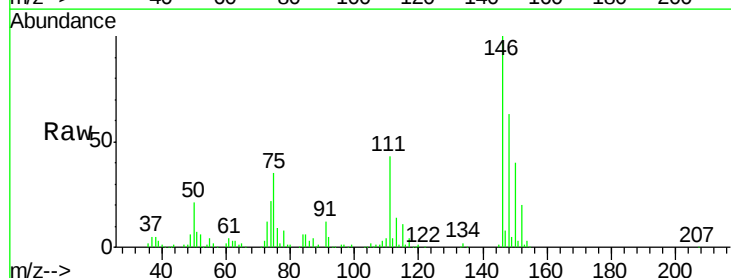


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

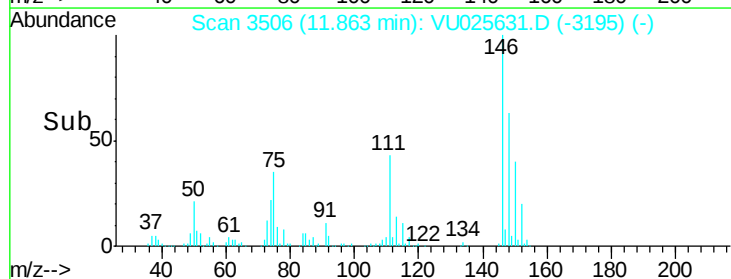
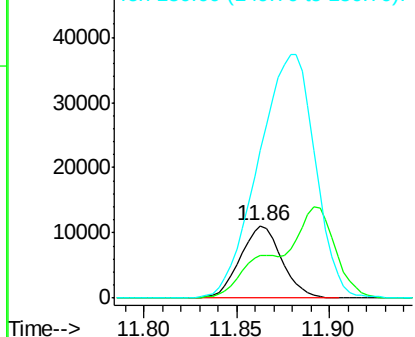


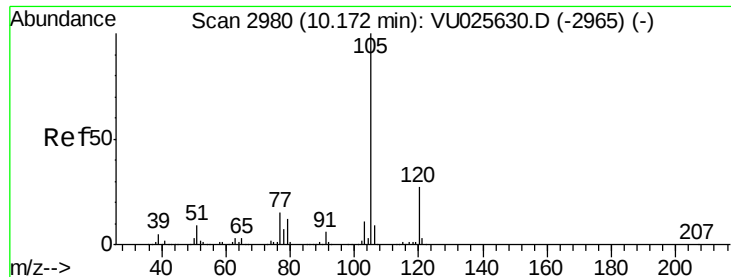
#68
1,2-Dichlorobenzene-d4
Concen: 29.130 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:152 Resp: 17203
Ion Ratio Lower Upper
152 100
115 54.7 0.0 118.8
150 0.0 0.0 0.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 25.319 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

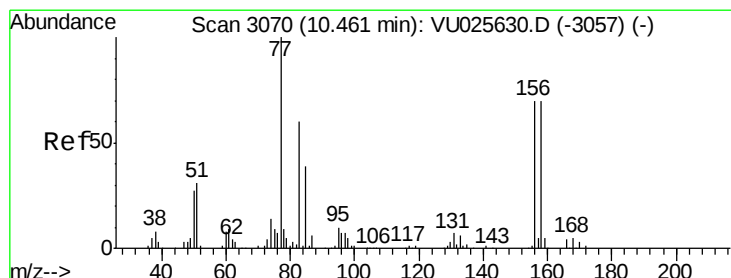
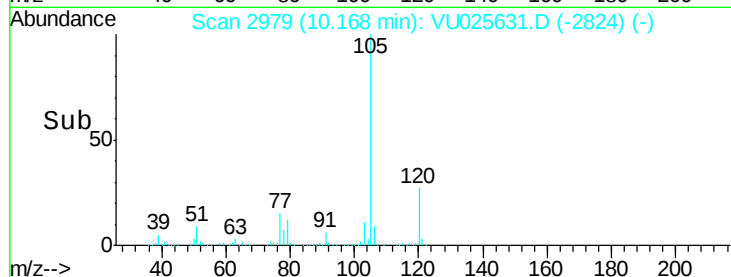
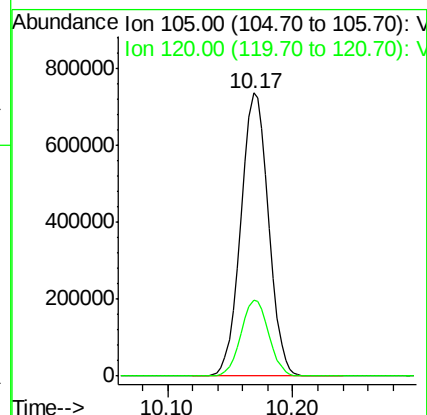
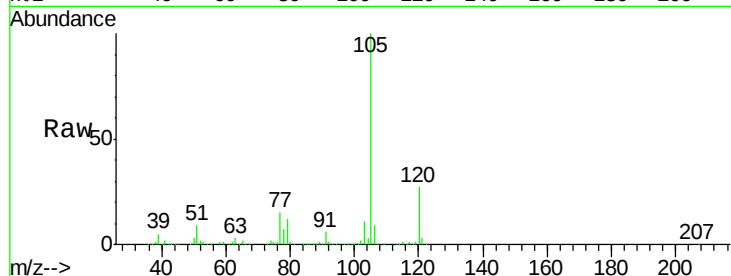
VSTDIC020

Tgt Ion:105 Resp: 1128830

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 23.531 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

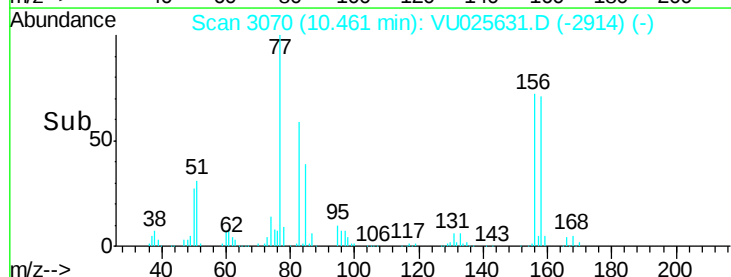
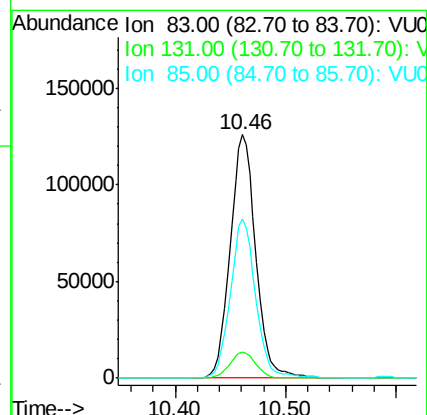
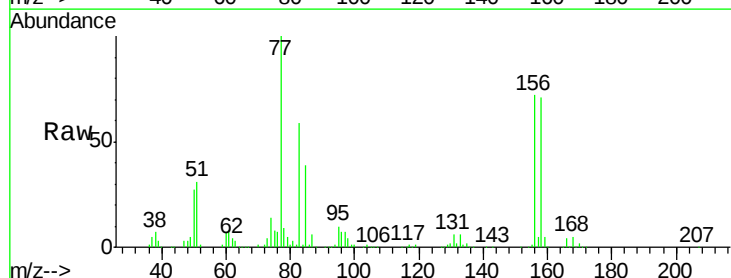
Tgt Ion: 83 Resp: 201879

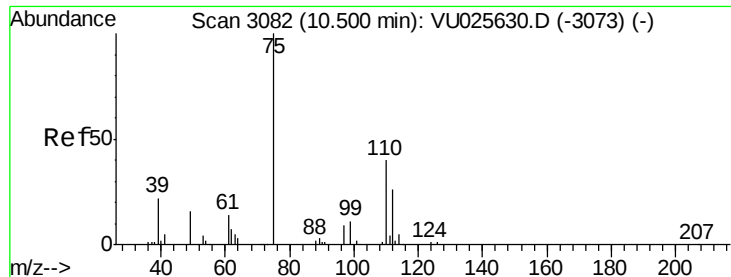
Ion Ratio Lower Upper

83 100

131 10.9 7.9 11.9

85 64.9 51.8 77.6

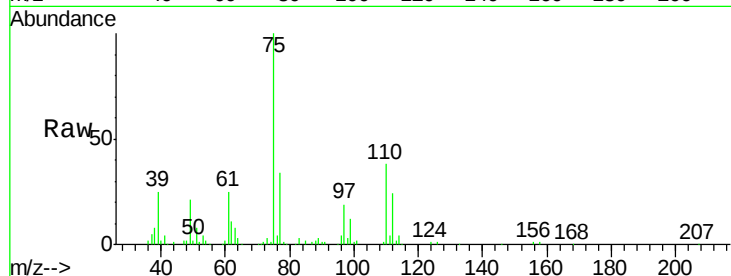




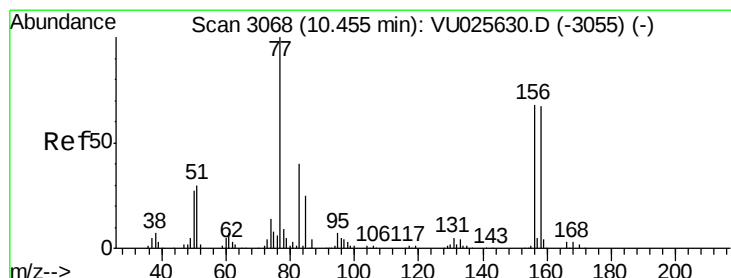
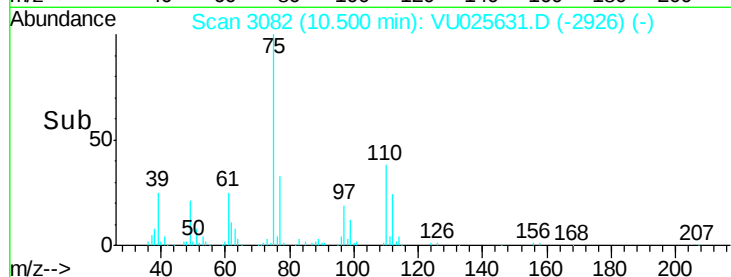
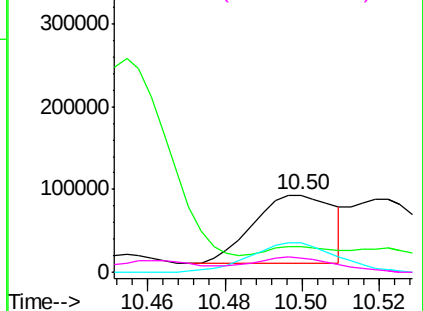
#71
 1,2,3-Trichloropropane
 Concen: 19.572 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:	75	Resp:	120173
Ion	Ratio	Lower	Upper
75	100		
77	12.0	0.0	0.0#
110	46.6	0.0	74.0
97	22.4	0.0	39.6

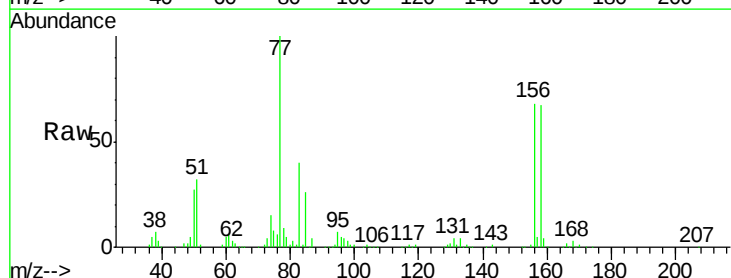


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

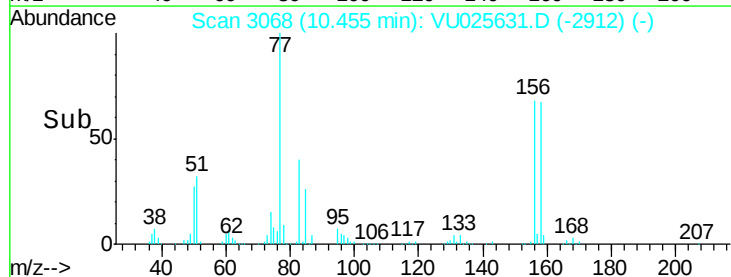
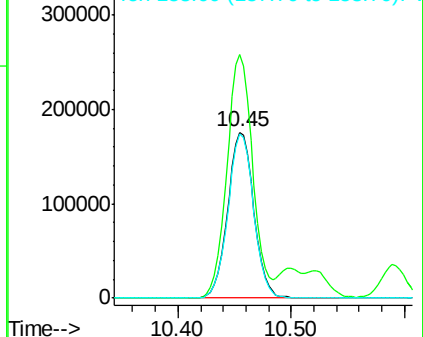


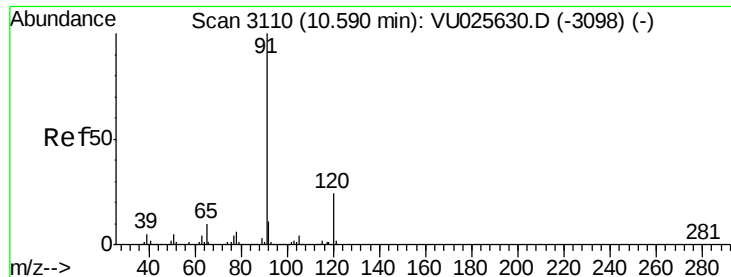
#72
 Bromobenzene
 Concen: 25.421 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion:	156	Resp:	282165
Ion	Ratio	Lower	Upper
156	100		
77	145.0	0.0	309.8
158	97.2	0.0	193.0



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 26.116 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025631.D

Acq: 25 Jul 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

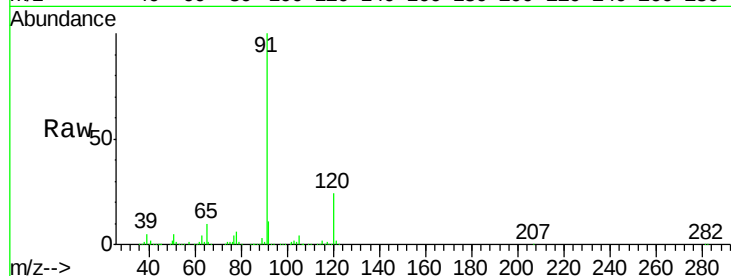
VSTDIC020

Tgt Ion:120 Resp: 321866

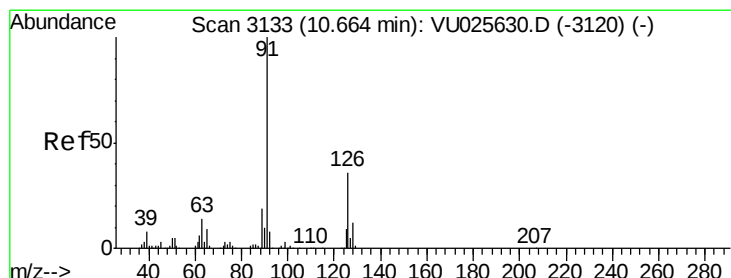
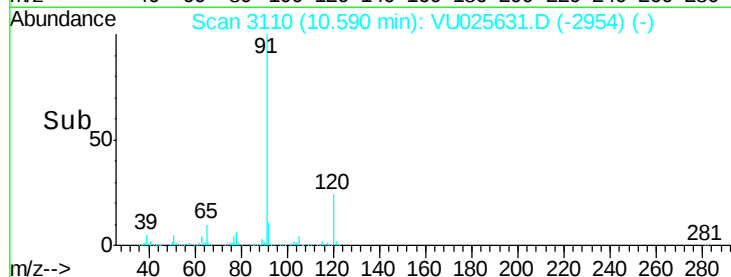
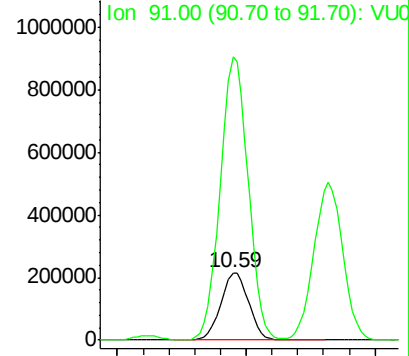
Ion Ratio Lower Upper

120 100

91 422.6 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 25.481 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025631.D

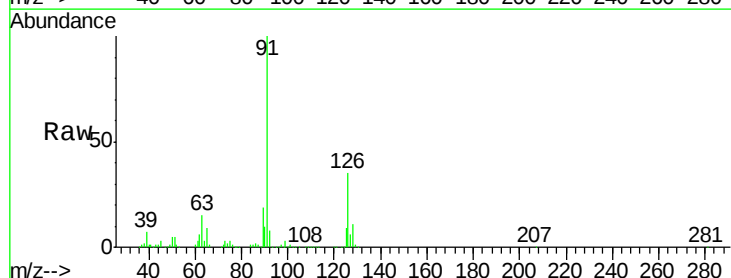
Acq: 25 Jul 2018 11:50

Tgt Ion:126 Resp: 277678

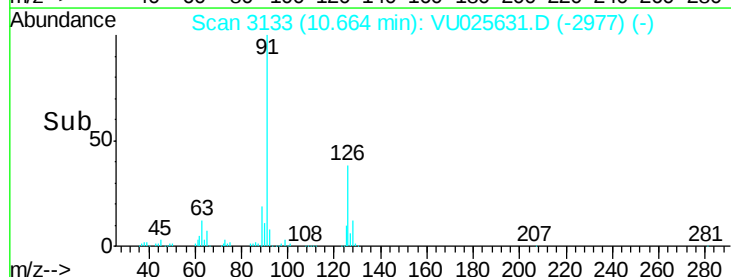
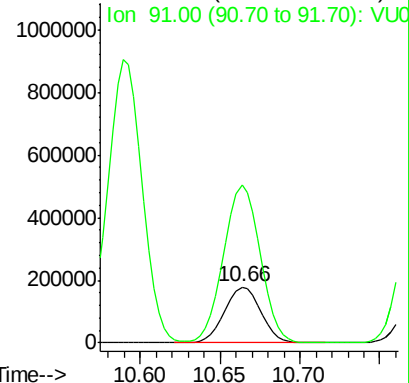
Ion Ratio Lower Upper

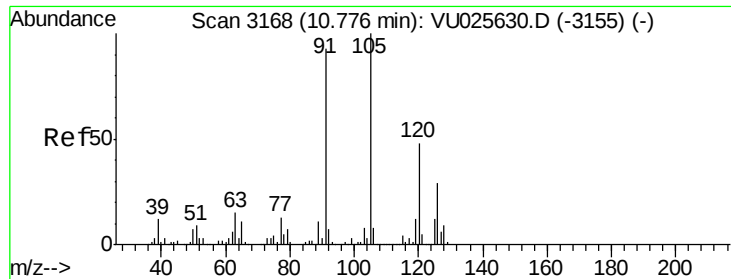
126 100

91 281.5 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

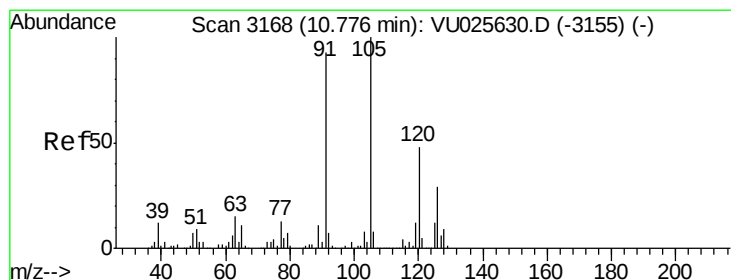
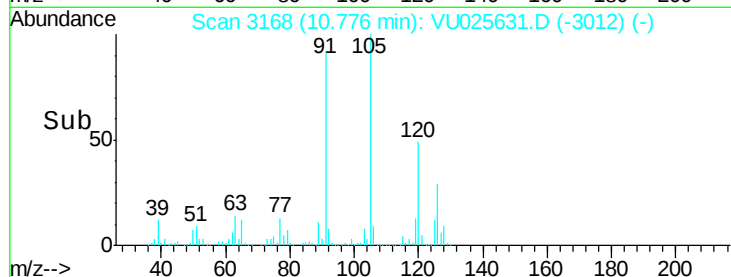
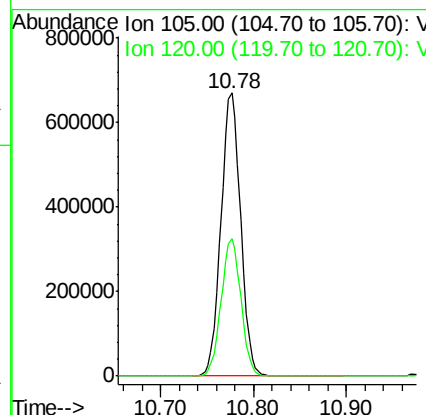
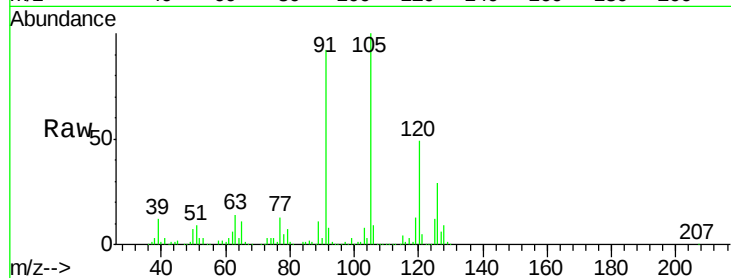




#75
 1,3,5-Trimethylbenzene
 Concen: 26.199 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

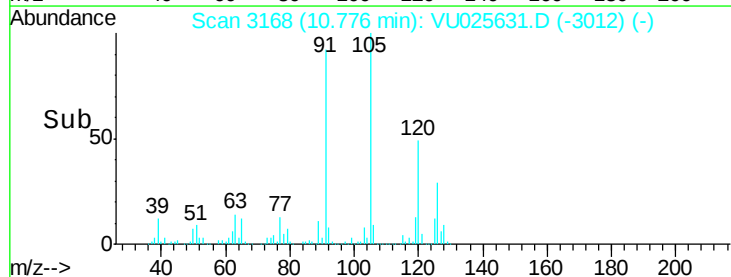
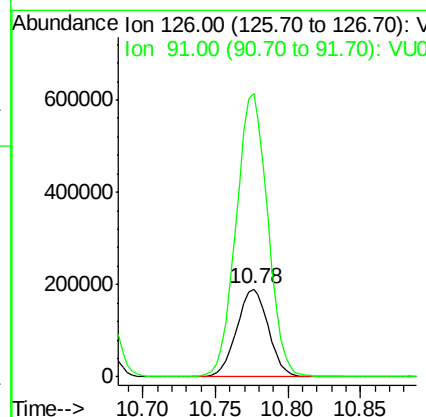
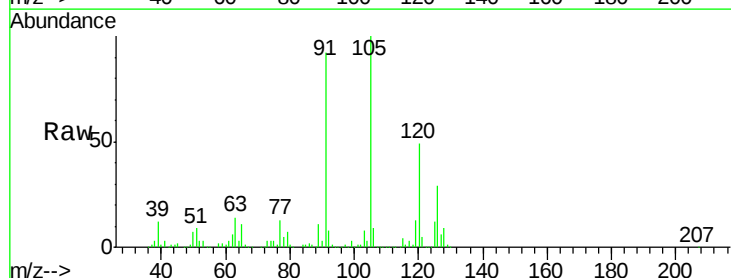
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

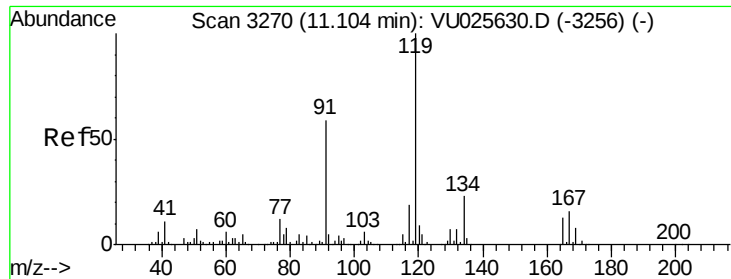
Tgt Ion:105 Resp: 984094
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.0 58.6



#76
 4-Chlorotoluene
 Concen: 25.416 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion:126 Resp: 286934
 Ion Ratio Lower Upper
 126 100
 91 321.3 0.0 667.2

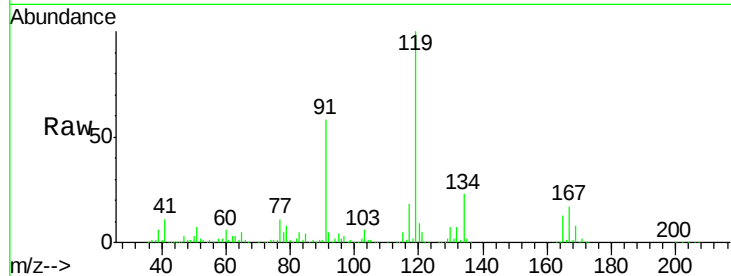




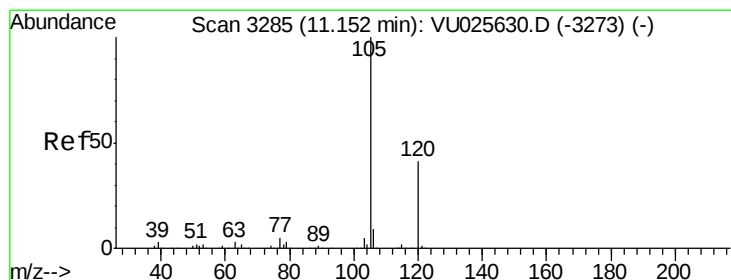
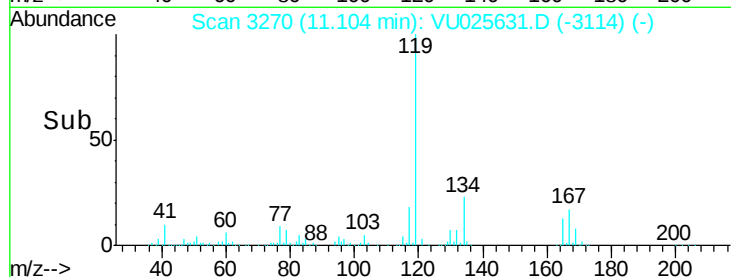
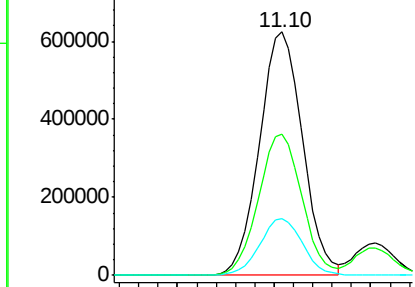
#77
 tert-Butylbenzene
 Concen: 27.457 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 966213
 Ion Ratio Lower Upper
 119 100
 91 58.4 29.6 88.8
 134 23.1 19.1 28.7

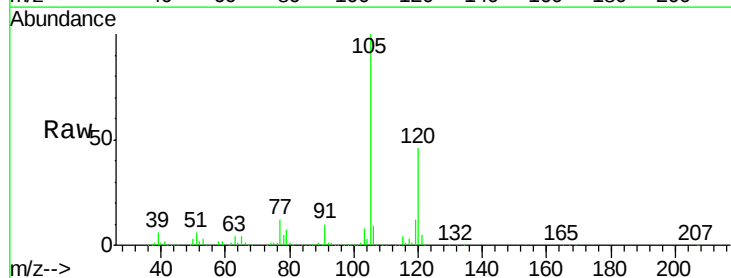


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

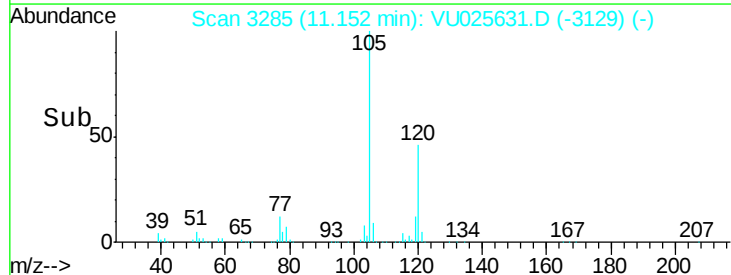
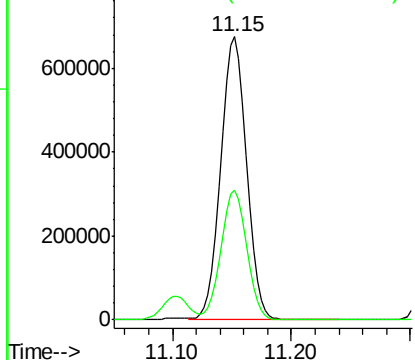


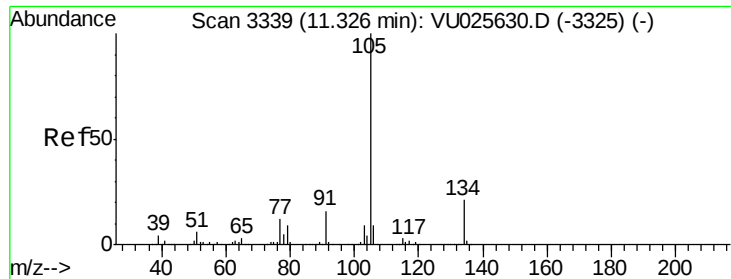
#78
 1,2,4-Trimethylbenzene
 Concen: 26.771 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion:105 Resp: 1015246
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3



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

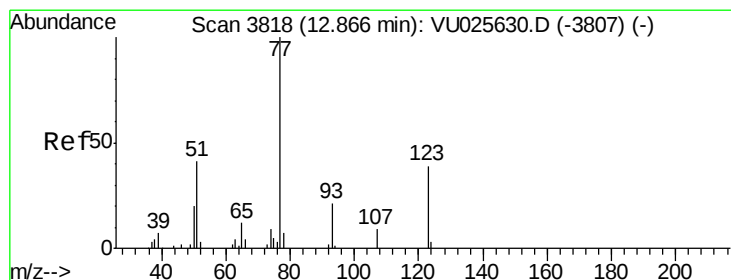
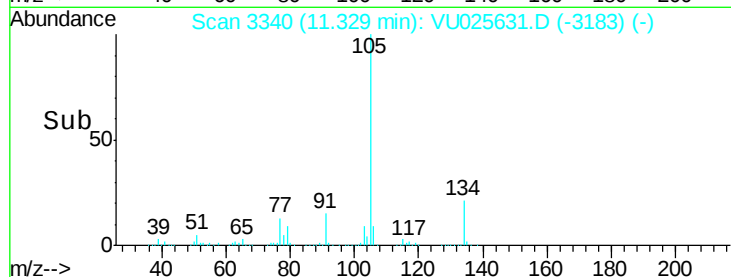
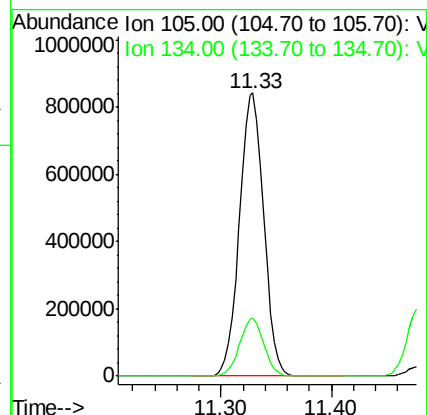
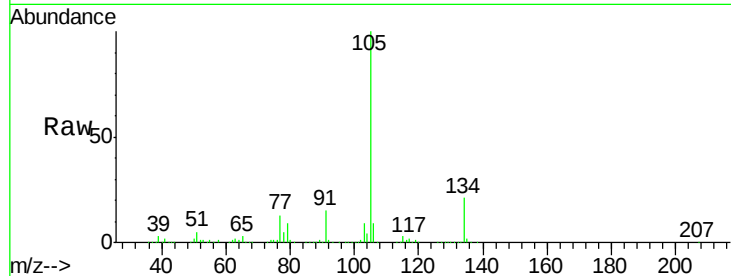




#79
 sec-Butylbenzene
 Concen: 26.039 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

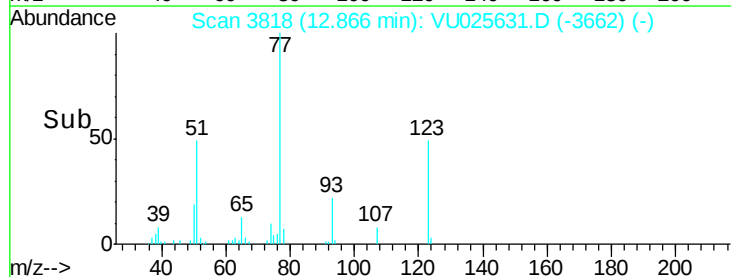
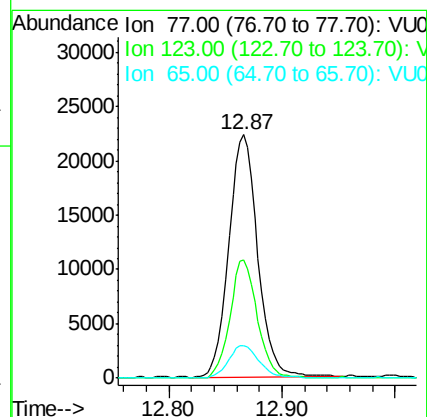
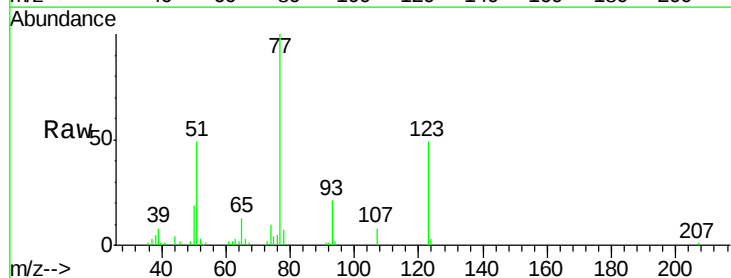
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

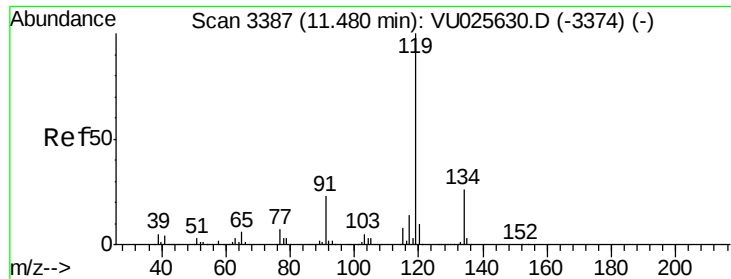
Tgt Ion: 105 Resp: 1283097
 Ion Ratio Lower Upper
 105 100
 134 20.4 15.6 23.4



#80
 Nitrobenzene
 Concen: 133.381 ug/l
 RT: 12.87 min Scan# 3818
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 77 Resp: 39744
 Ion Ratio Lower Upper
 77 100
 123 45.7 19.4 68.6
 65 14.1 11.2 14.2

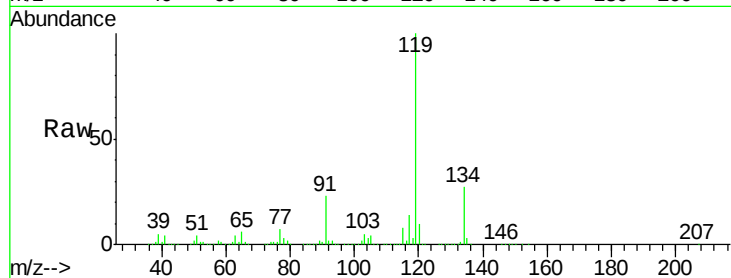




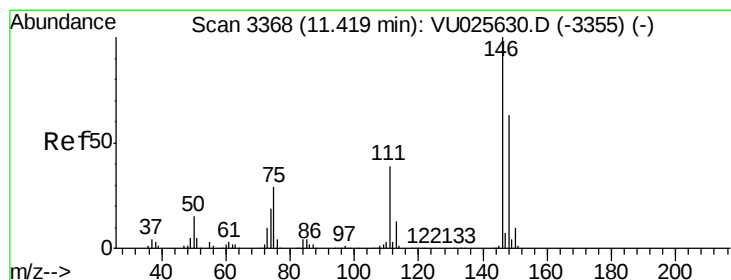
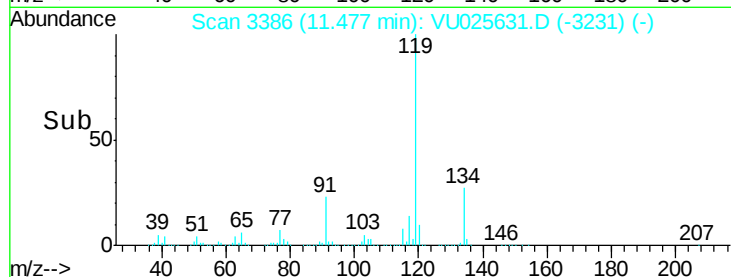
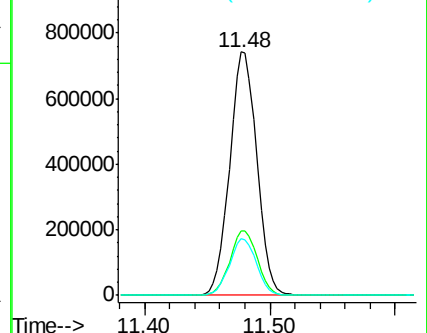
#81
p-Isopropyltoluene
Concen: 27.422 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:119 Resp: 1110452
Ion Ratio Lower Upper
119 100
134 26.8 20.9 31.3
91 23.2 18.2 27.2

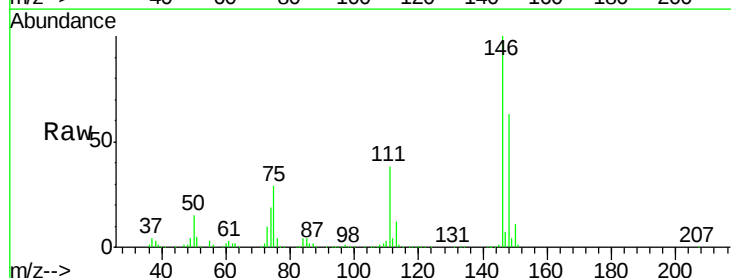


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

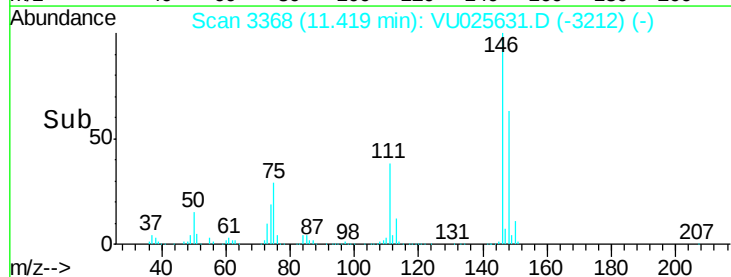
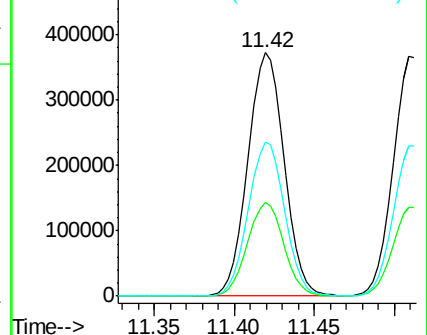


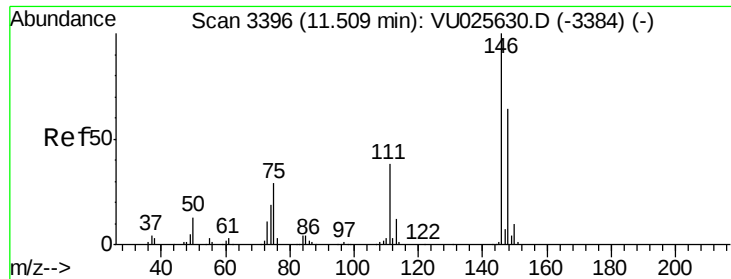
#82
1,3-Dichlorobenzene
Concen: 26.037 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:146 Resp: 576823
Ion Ratio Lower Upper
146 100
111 38.4 31.8 47.6
148 63.5 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

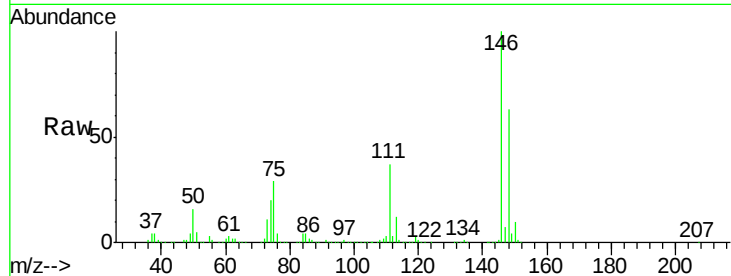




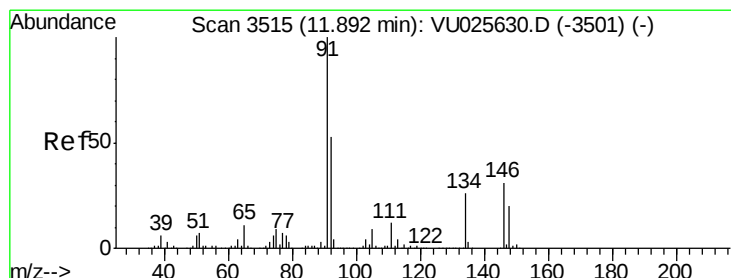
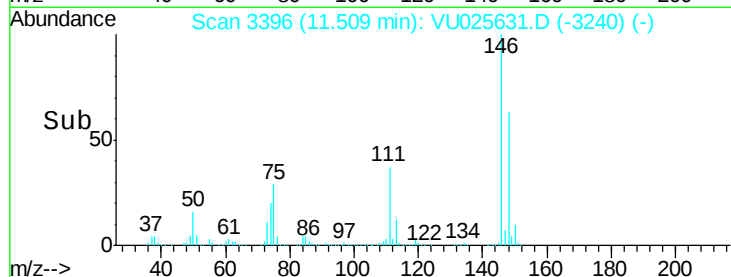
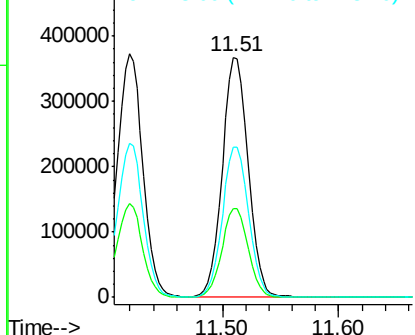
#83
 1,4-Dichlorobenzene
 Concen: 25.829 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 571448
 Ion Ratio Lower Upper
 146 100
 111 37.5 30.1 45.1
 148 63.5 50.6 76.0

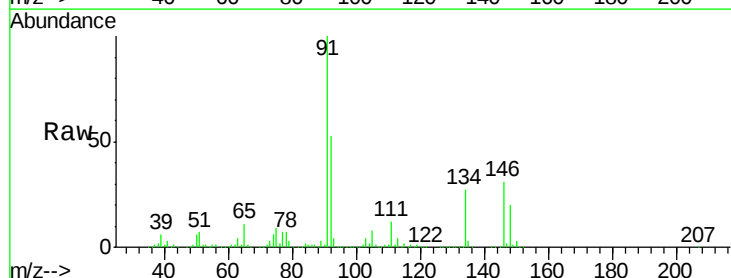


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

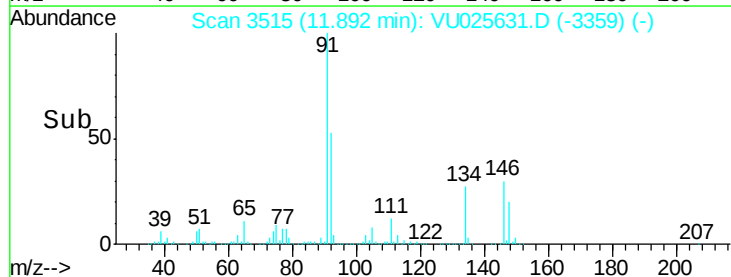
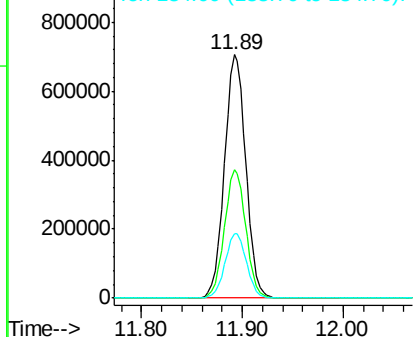


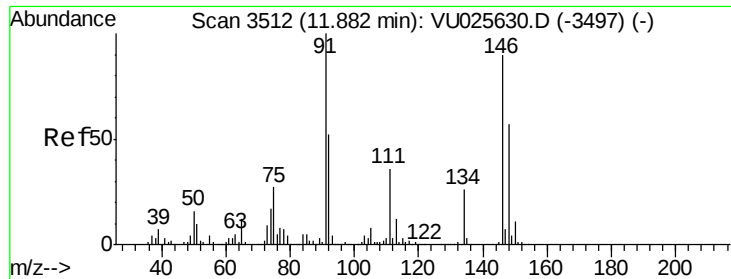
#84
 n-Butylbenzene
 Concen: 26.432 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 91 Resp: 1044928
 Ion Ratio Lower Upper
 91 100
 92 52.6 42.2 63.2
 134 26.7 20.3 30.5



Abundance Ion 91.00 (90.70 to 91.70): VU
 Ion 92.00 (91.70 to 92.70): VU
 Ion 134.00 (133.70 to 134.70): V

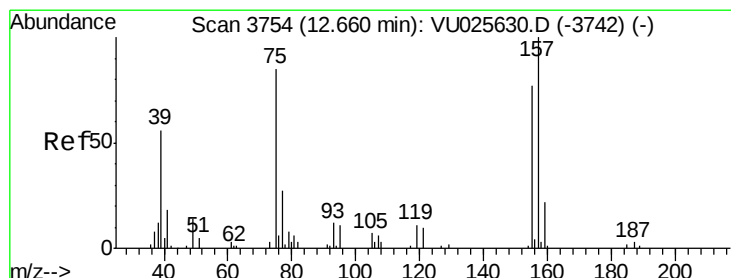
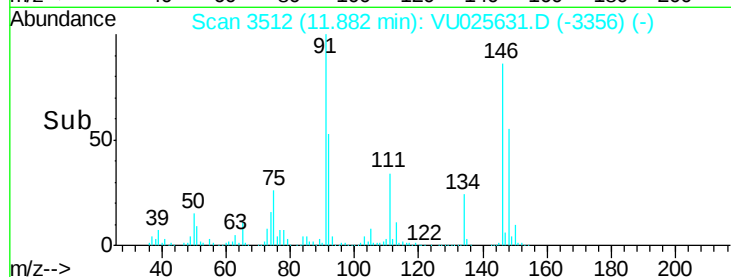
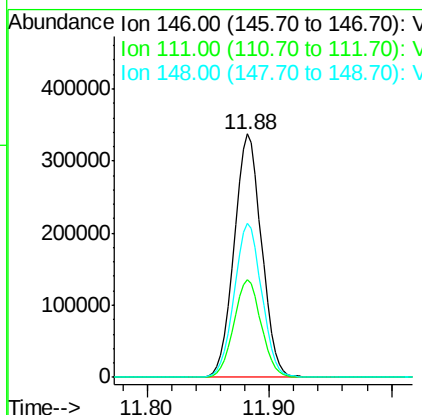
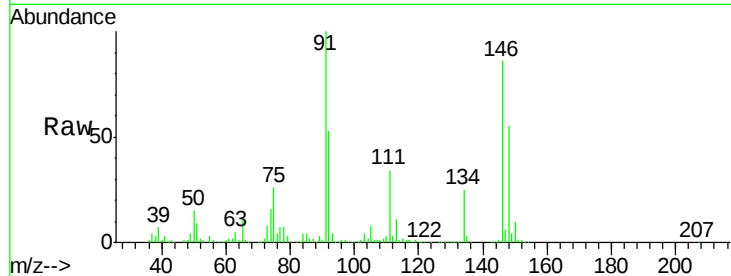




#85
 1,2-Dichlorobenzene
 Concen: 26.260 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

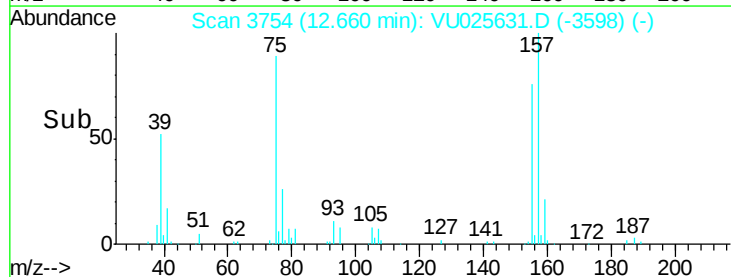
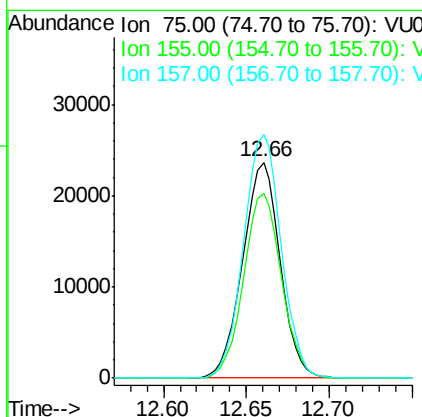
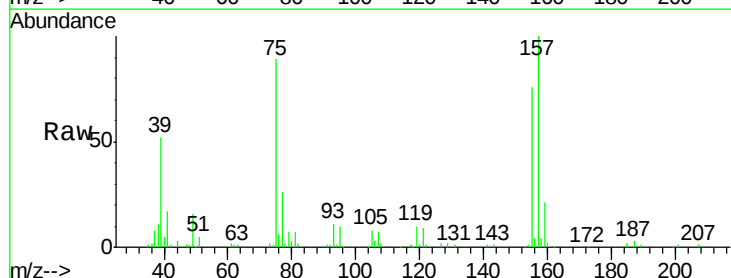
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

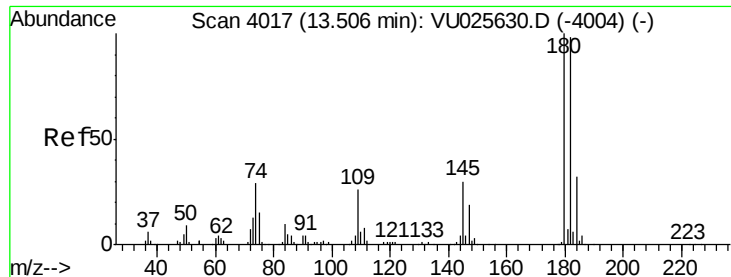
Tgt Ion:146 Resp: 525237
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.7 62.1
 148 63.6 31.9 95.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 30.764 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion: 75 Resp: 37246
 Ion Ratio Lower Upper
 75 100
 155 86.2 65.8 98.6
 157 113.0 83.5 125.3

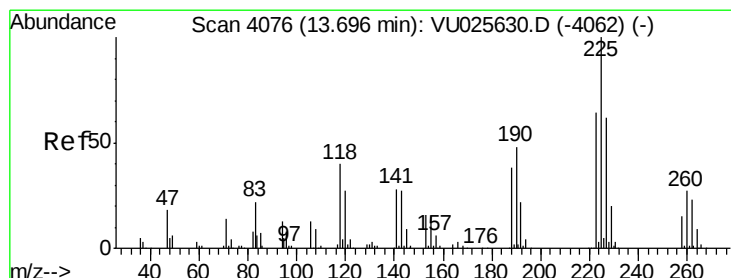
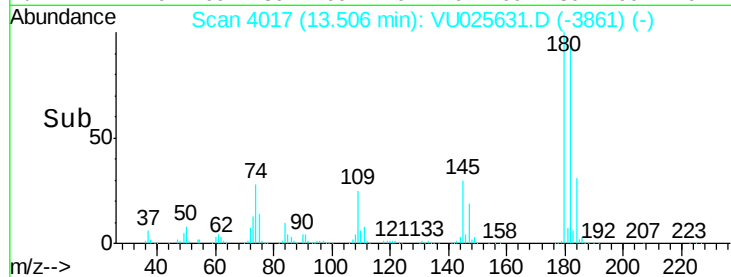
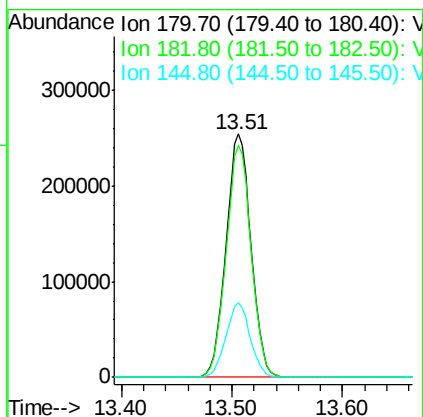
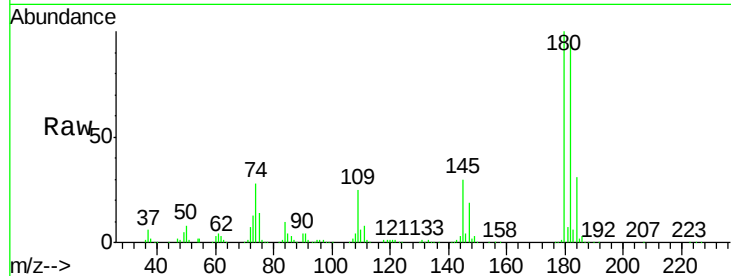




#87
 1,2,4-Trichlorobenzene
 Concen: 27.590 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

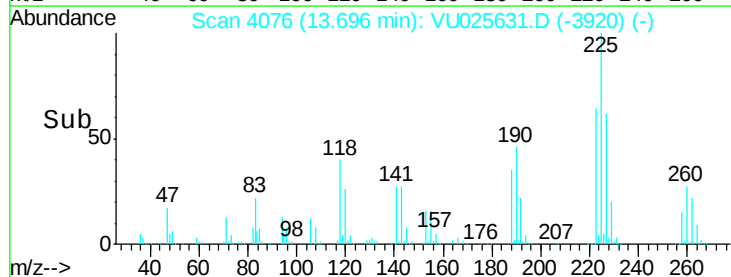
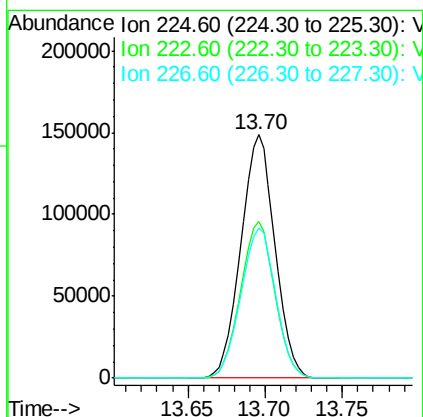
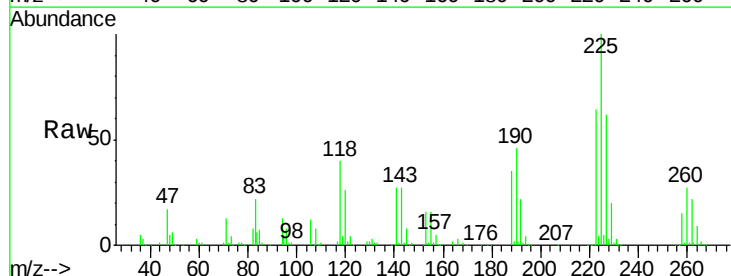
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

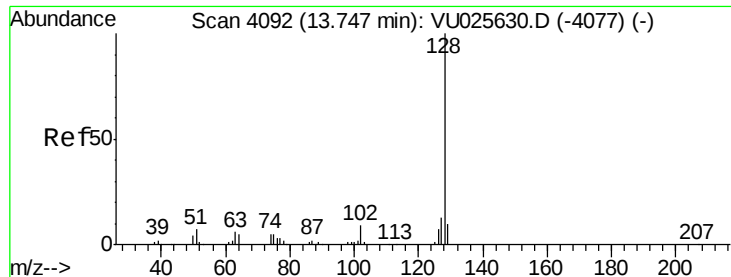
Tgt Ion:180 Resp: 399150
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.1 115.7
 145 29.8 23.3 34.9



#88
 Hexachlorobutadiene
 Concen: 25.933 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025631.D
 Acq: 25 Jul 2018 11:50

Tgt Ion:225 Resp: 227485
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.6 75.8
 227 63.0 51.8 77.6

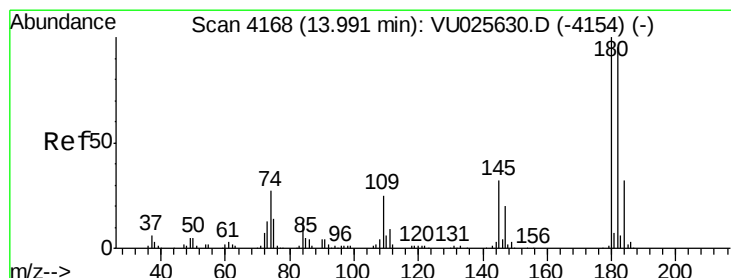
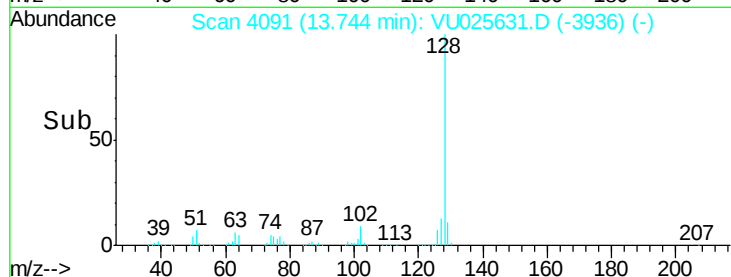
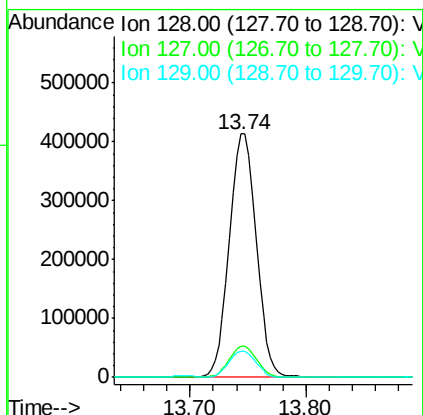
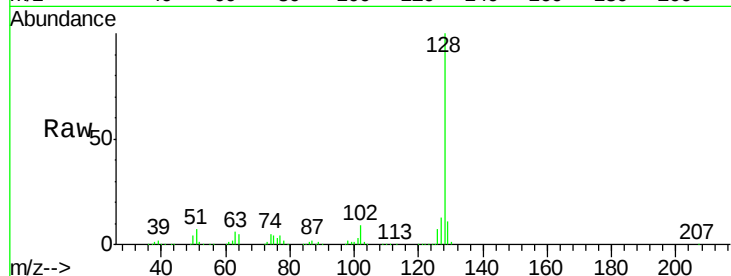




#89
Naphthalene
Concen: 30.607 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tgt Ion:128 Resp: 666819
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.7 8.7 13.1



#90
1,2,3-Trichlorobenzene
Concen: 26.315 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025631.D
Acq: 25 Jul 2018 11:50

Tgt Ion:180 Resp: 357357
Ion Ratio Lower Upper
180 100
182 95.5 76.8 115.2
145 32.0 24.6 36.8

