

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025682.D
 Acq On : 27 Jul 2018 20:23
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 28 03:44:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	265582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166753	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	137509	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.84%		
35) Dibromofluoromethane	4.89	113	113813	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.54%		
50) Toluene-d8	7.57	98	403451	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.82%		
62) 4-Bromofluorobenzene	10.31	95	156306	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136052	51.42	ug/l	100
3) Chloromethane	1.33	50	120075	47.48	ug/l	100
4) Vinyl Chloride	1.40	62	114368	48.06	ug/l	100
5) Bromomethane	1.62	94	57396	49.38	ug/l	98
6) Chloroethane	1.69	64	66790	48.00	ug/l	100
7) Trichlorofluoromethane	1.88	101	164791	47.89	ug/l	99
8) Diethyl Ether	2.10	74	58276	46.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	94625	47.52	ug/l	99
10) Methyl Iodide	2.41	142	87294	47.52	ug/l	99
11) Tert butyl alcohol	2.83	59	154146	258.13	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90386	48.09	ug/l	96
13) Acrolein	2.19	56	46471	214.59	ug/l	97
14) Allyl chloride	2.59	41	156106	46.22	ug/l	97
15) Acrylonitrile	2.94	53	312573	262.17	ug/l	98
16) Acetone	2.32	43	286386	215.36	ug/l	97
17) Carbon Disulfide	2.47	76	284610	46.79	ug/l	99
18) Methyl Acetate	2.62	43	173078	54.08	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	337393	49.53	ug/l	100
20) Methylene Chloride	2.70	84	108335	45.97	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	103478	47.63	ug/l	99
22) Diisopropyl ether	3.58	45	329182	49.46	ug/l	92
23) Vinyl Acetate	3.53	43	1435935	247.55	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192025	48.06	ug/l	99
25) 2-Butanone	4.27	43	448960	248.02	ug/l	100
26) 2,2-Dichloropropane	4.23	77	148506	40.89	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	117221	47.85	ug/l	97
28) Bromochloromethane	4.55	49	86643	48.50	ug/l	97
29) Tetrahydrofuran	4.64	42	280227	258.39	ug/l	100
30) Chloroform	4.68	83	202604	48.04	ug/l	99
31) Cyclohexane	5.00	56	167669	48.19	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	183578	48.35	ug/l	99
36) 1,1-Dichloropropene	5.14	75	148595	47.88	ug/l	98
37) Ethyl Acetate	4.38	43	161517	50.19	ug/l	98
38) Carbon Tetrachloride	5.14	117	169106	48.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	168262	47.31	ug/l	98
40) Benzene	5.39	78	430731	47.48	ug/l	98
41) Methacrylonitrile	4.54	41	90605	50.69	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165897	47.49	ug/l	100
43) Isopropyl Acetate	5.55	43	262331	49.33	ug/l	100
44) Trichloroethene	6.19	130	122349	48.42	ug/l	99
45) 1,2-Dichloropropane	6.44	63	114513	48.40	ug/l	100
46) Dibromomethane	6.56	93	81337	47.44	ug/l	99
47) Bromodichloromethane	6.76	83	156245	47.78	ug/l	98
48) Methyl methacrylate	6.63	41	133910	51.38	ug/l	98
49) 1,4-Dioxane	6.62	88	65453	1031.92	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	847399	254.51	ug/l	99
52) Toluene	7.64	92	277835	49.29	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	178808	48.70	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	183155	48.56	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	112261	47.93	ug/l	98
56) Ethyl methacrylate	8.02	69	170440	50.93	ug/l	97
57) 1,3-Dichloropropane	8.25	76	189941	48.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	358157	236.72	ug/l	100
59) 2-Hexanone	8.36	43	673986	258.24	ug/l	99
60) Dibromochloromethane	8.48	129	133142	48.20	ug/l	100
61) 1,2-Dibromoethane	8.59	107	126674	48.63	ug/l	100
64) Tetrachloroethene	8.23	164	109707	48.10	ug/l	98
65) Chlorobenzene	9.12	112	318699	47.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	118764	49.14	ug/l	99
67) Ethyl Benzene	9.25	91	535042	48.35	ug/l	100
68) m/p-Xylenes	9.38	106	422193	99.38	ug/l	99
69) o-Xylene	9.78	106	204017	49.14	ug/l	98
70) Styrene	9.80	104	335006	49.95	ug/l	99
71) Bromoform	9.96	173	103286	49.29	ug/l #	100
73) Isopropylbenzene	10.17	105	552811	48.57	ug/l	99
74) N-amyl acetate	10.01	43	233986	50.36	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	187767	47.71	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	219328	59.70	ug/l	86
77) Bromobenzene	10.45	156	149323	47.57	ug/l	99
78) n-propylbenzene	10.59	91	648956	48.85	ug/l	99
79) 2-Chlorotoluene	10.66	91	378132	48.60	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	476734	49.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	219328	149.69	ug/l #	100
82) 4-Chlorotoluene	10.78	91	449889	49.05	ug/l	98
83) tert-Butylbenzene	11.10	119	462108	48.12	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	485608	49.58	ug/l	98
85) sec-Butylbenzene	11.33	105	572007	48.78	ug/l	100
86) p-Isopropyltoluene	11.48	119	516784	49.22	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	278014	47.71	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	282506	46.51	ug/l	98
89) n-Butylbenzene	11.89	91	473074	48.83	ug/l	99
90) Hexachloroethane	12.15	117	89072	47.72	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	274770	48.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	47755	51.18	ug/l	99

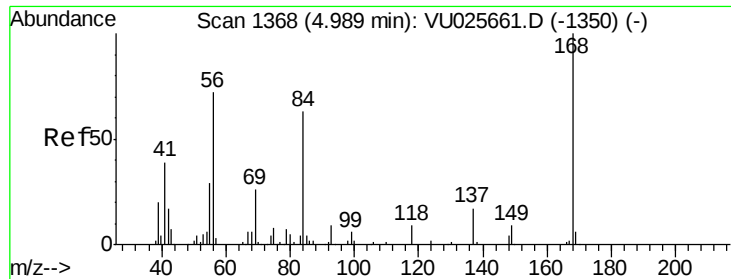
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	194412	50.43	ug/l	98
94) Hexachlorobutadiene	13.70	225	95672	47.08	ug/l	97
95) Naphthalene	13.74	128	601631	48.62	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	198643	51.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

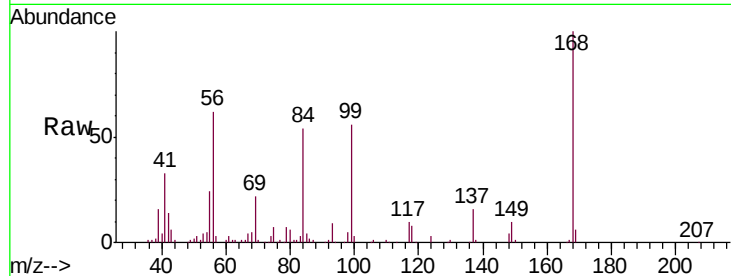
VSTDCCC050EC

Tot Ion:168 Resp: 175053

Ion Ratio Lower Upper

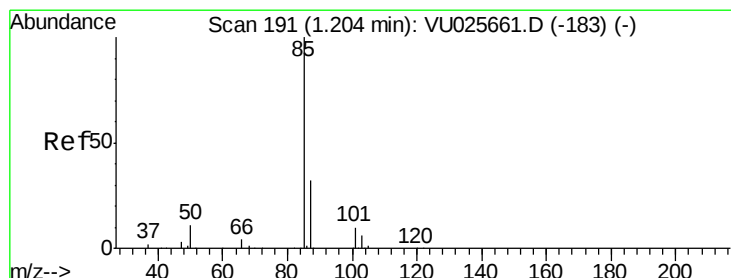
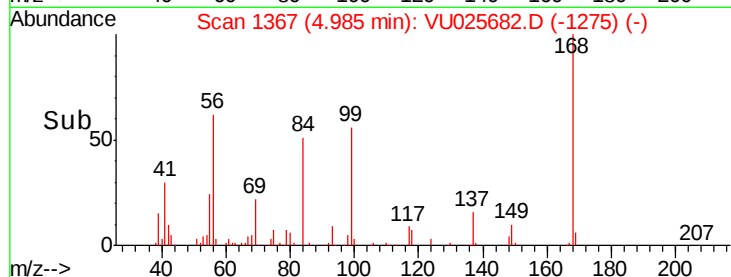
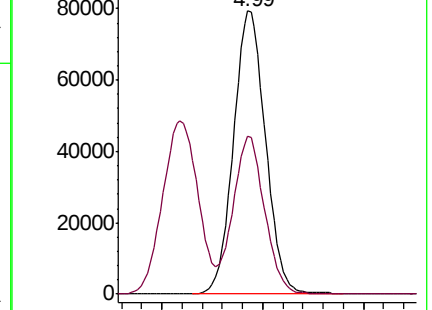
168 100

99 55.7 42.8 64.2



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

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 51.42 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025682.D

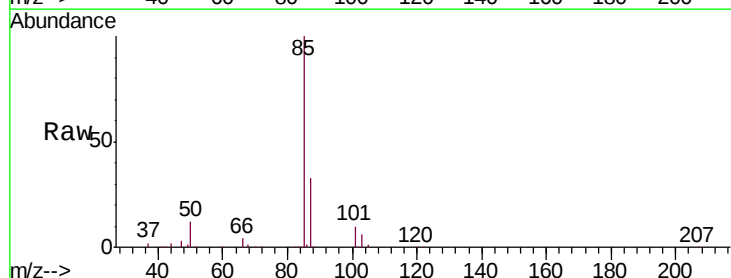
Acq: 27 Jul 2018 20:23

Tgt Ion: 85 Resp: 136052

Ion Ratio Lower Upper

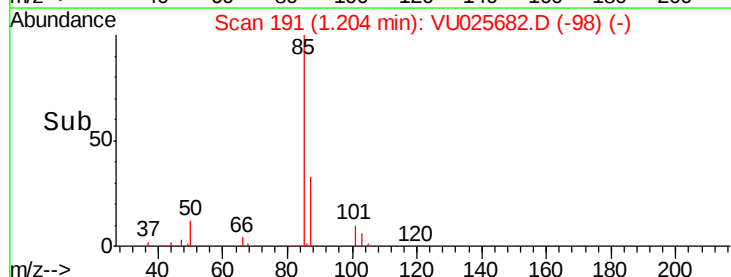
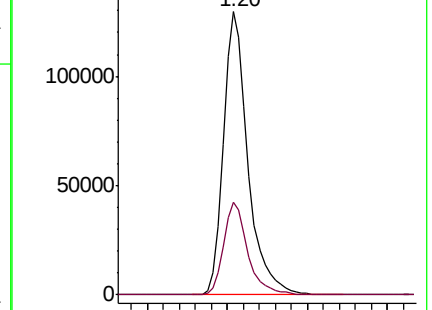
85 100

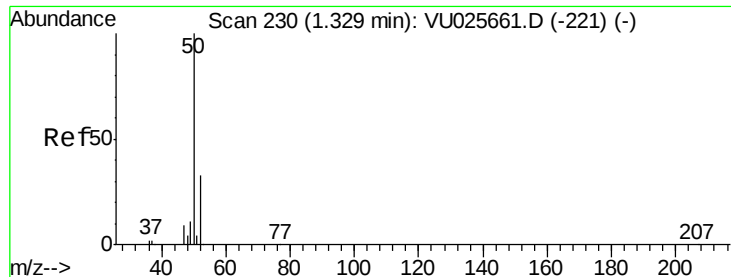
87 32.8 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)





#3

Chloromethane

Concen: 47.48 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

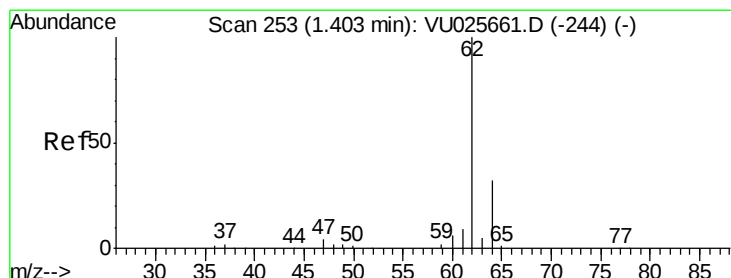
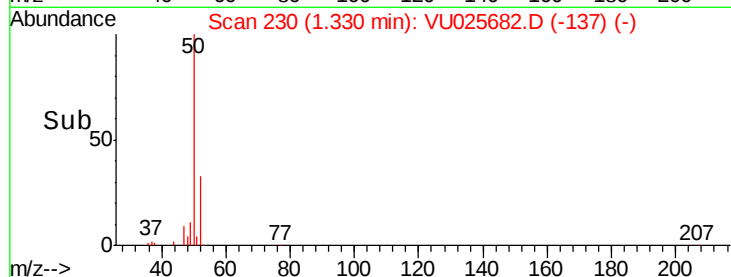
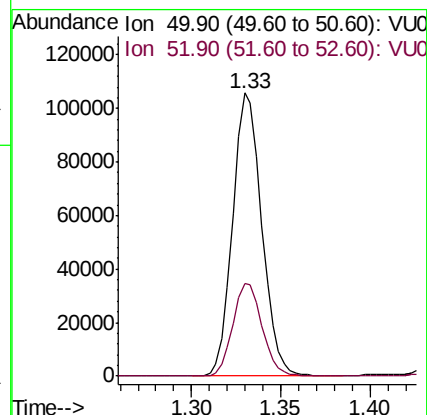
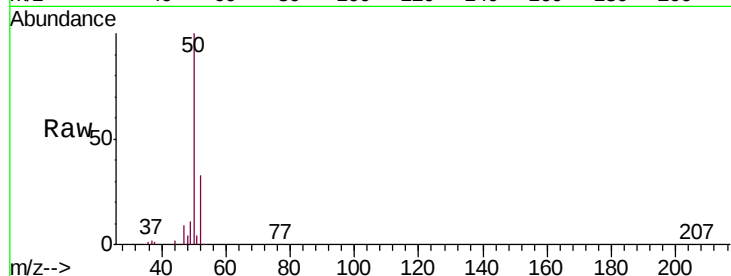
VSTDCCC050EC

Tot Ion: 50 Resp: 120075

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 48.06 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025682.D

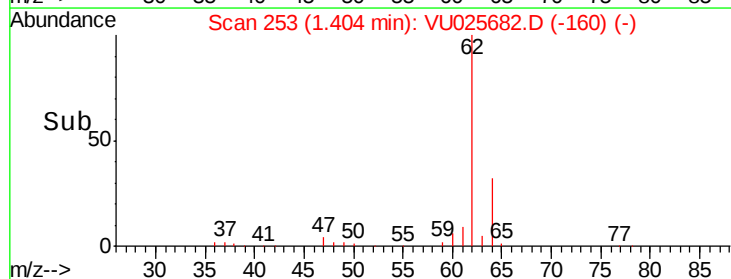
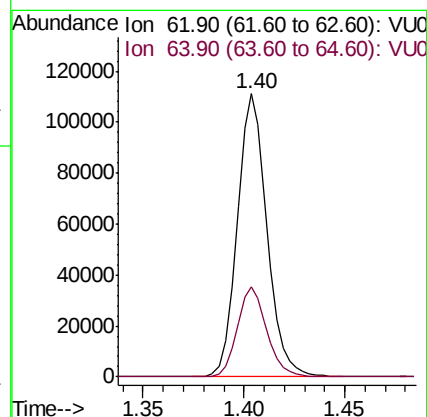
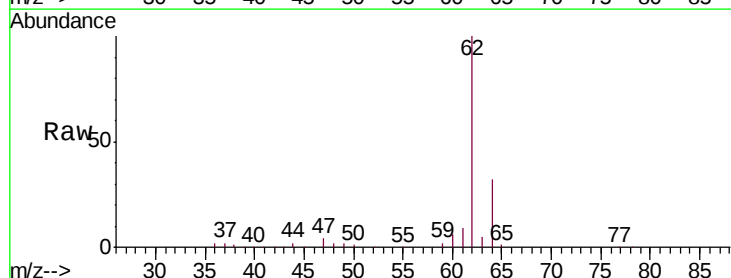
Acq: 27 Jul 2018 20:23

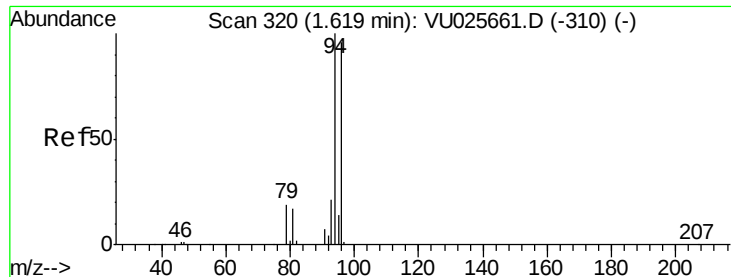
Tgt Ion: 62 Resp: 114368

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 49.38 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

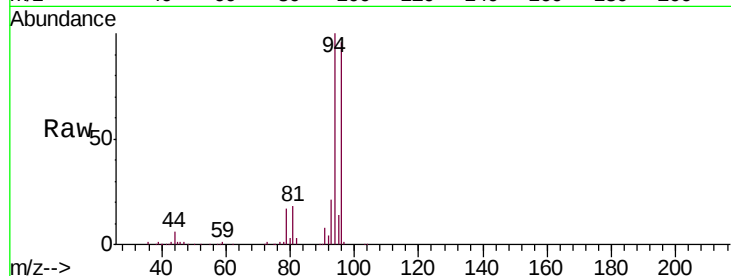
VSTDCCC050EC

Tot Ion: 94 Resp: 57396

Ion Ratio Lower Upper

94 100

96 95.9 75.0 112.4

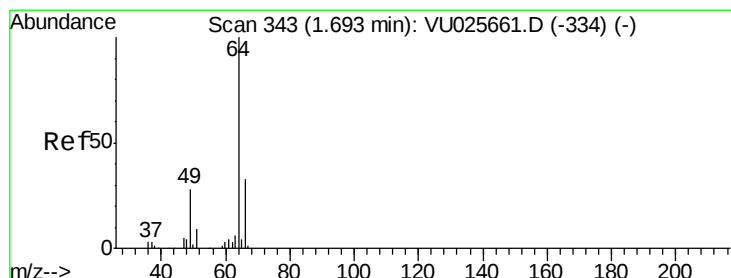
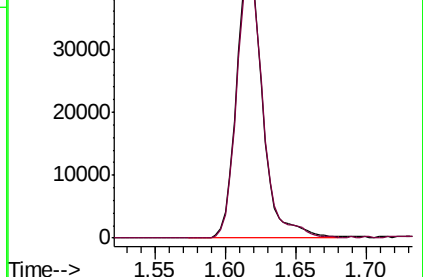
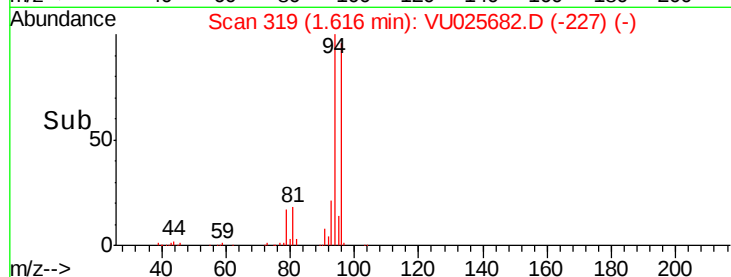


Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

Time-->



#6

Chloroethane

Concen: 48.00 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025682.D

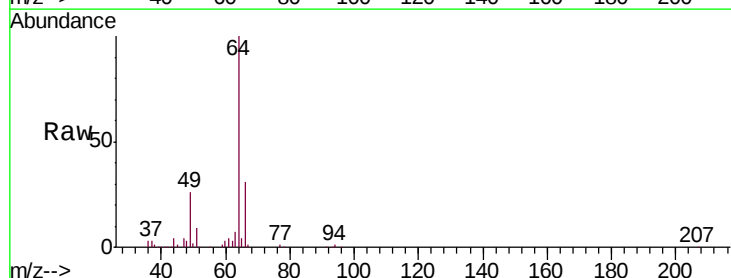
Acq: 27 Jul 2018 20:23

Tgt Ion: 64 Resp: 66790

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4

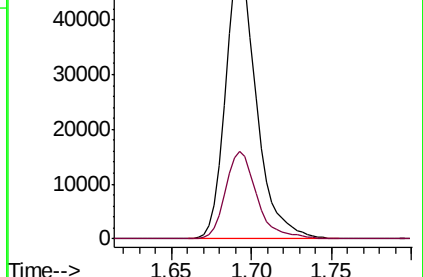
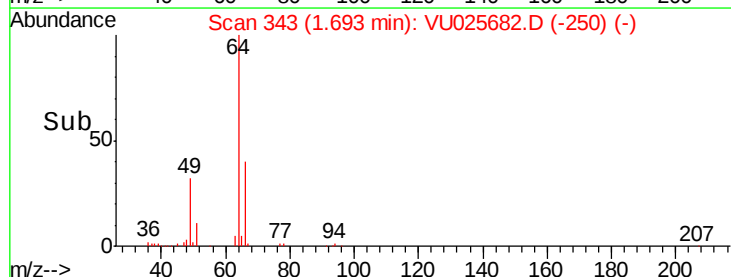


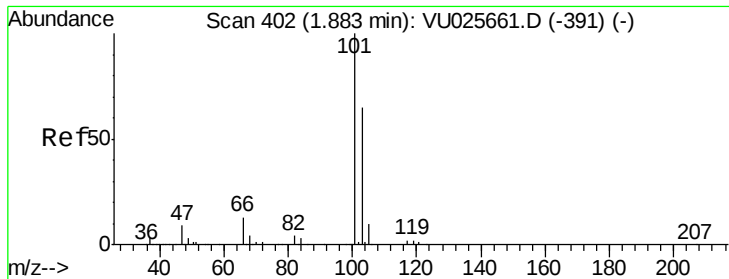
Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.69

Time-->





#7

Trichlorofluoromethane

Concen: 47.89 ug/l

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

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ClientSampleId :

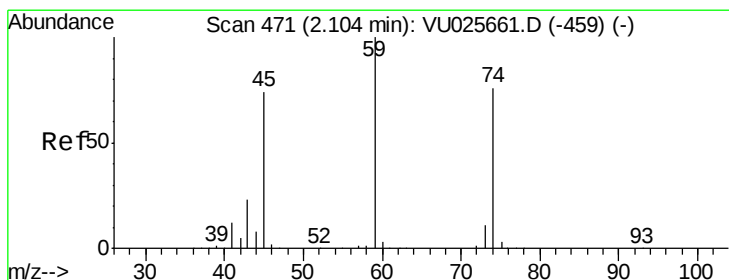
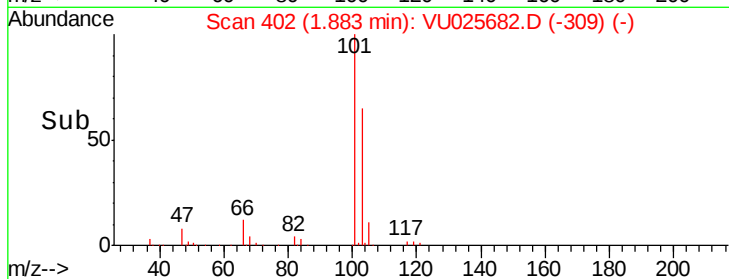
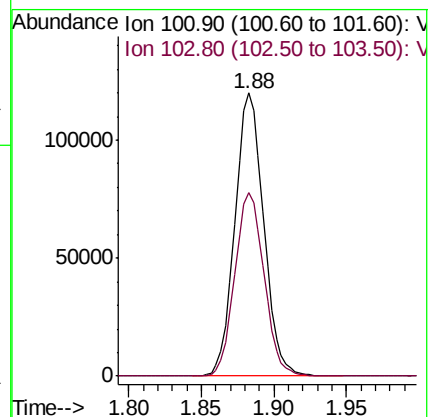
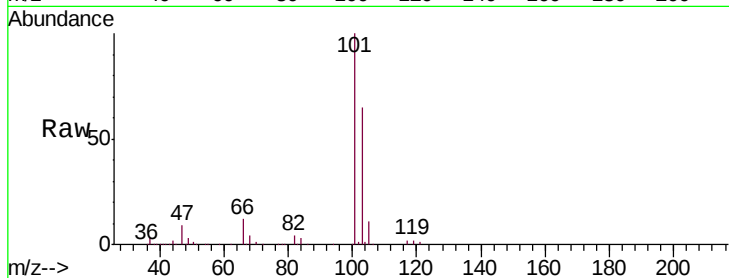
VSTDCCC050EC

Tot Ion:101 Resp: 164791

Ion Ratio Lower Upper

101 100

103 64.7 52.2 78.2



#8

Diethyl Ether

Concen: 46.81 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025682.D

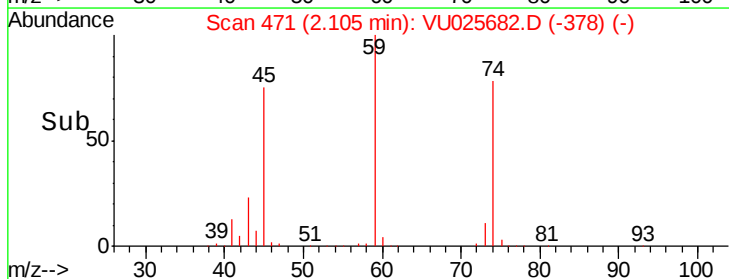
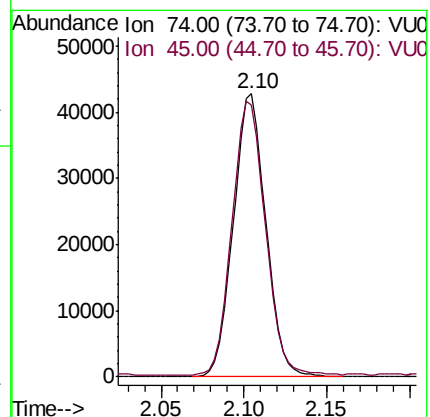
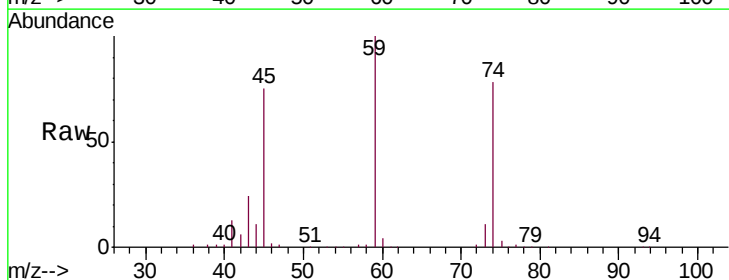
Acq: 27 Jul 2018 20:23

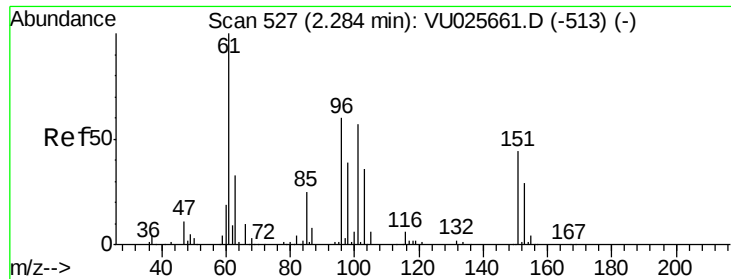
Tgt Ion: 74 Resp: 58276

Ion Ratio Lower Upper

74 100

45 99.4 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.52 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

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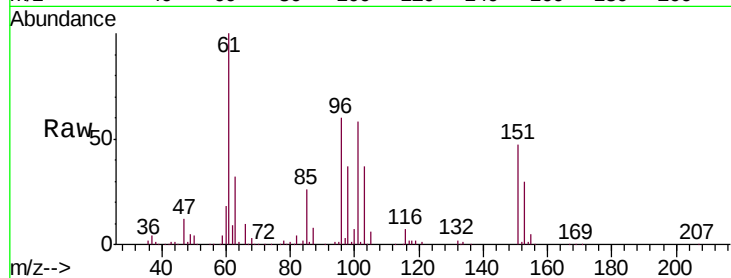
Tot Ion:101 Resp: 94625

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

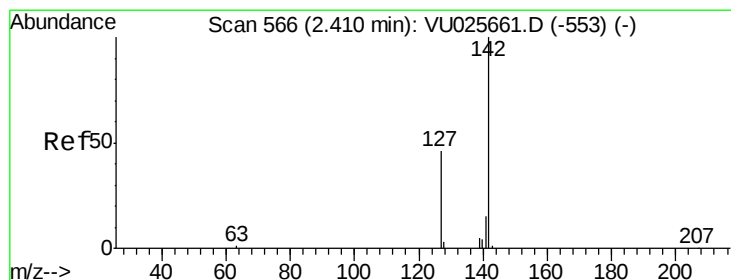
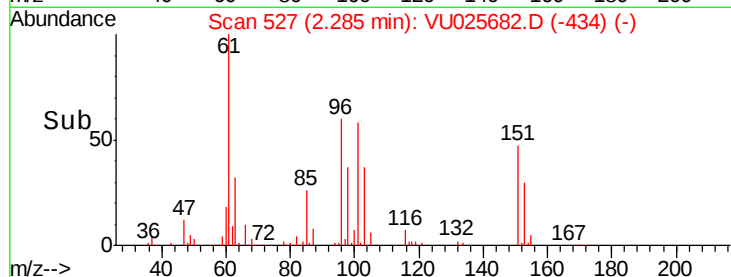
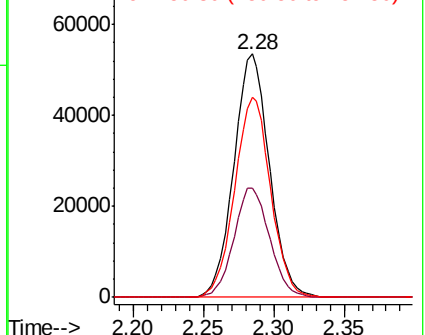
151 82.8 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.52 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

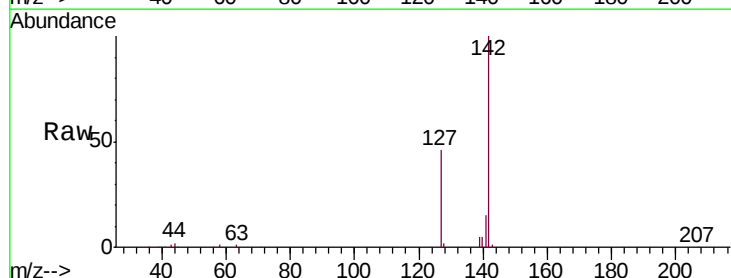
Tgt Ion:142 Resp: 87294

Ion Ratio Lower Upper

142 100

127 45.7 36.5 54.7

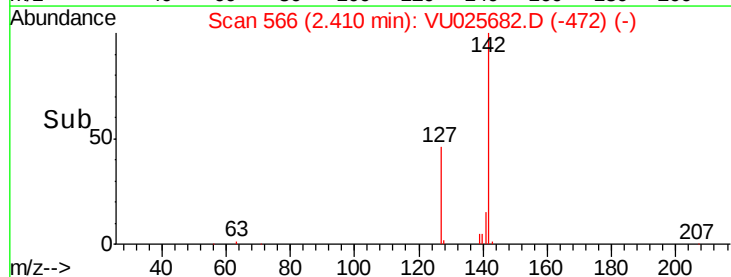
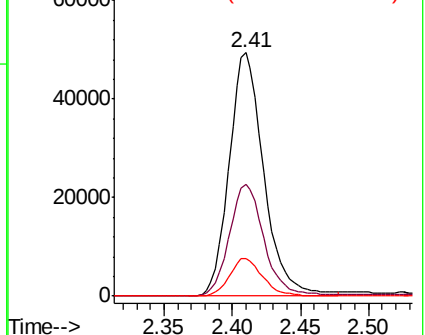
141 14.9 11.4 17.2

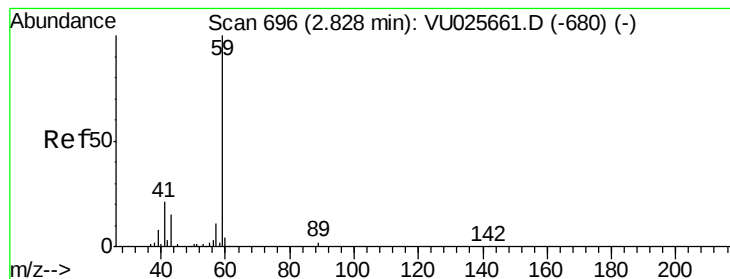


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



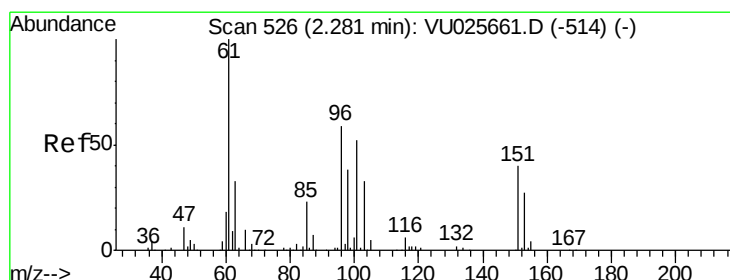
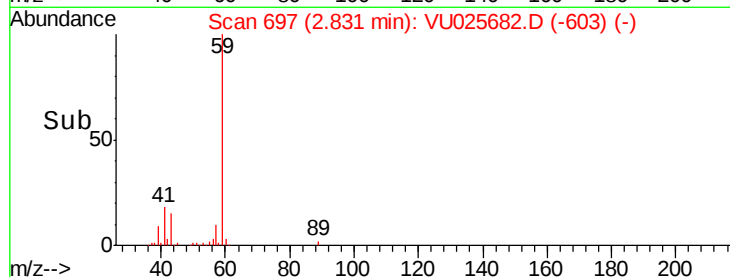
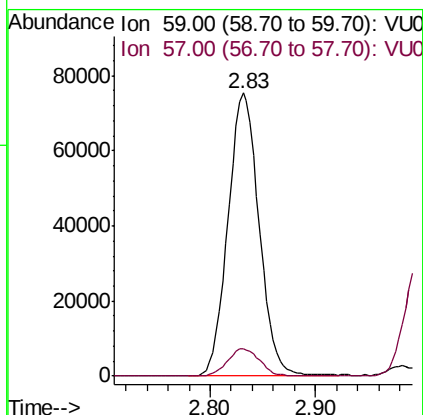
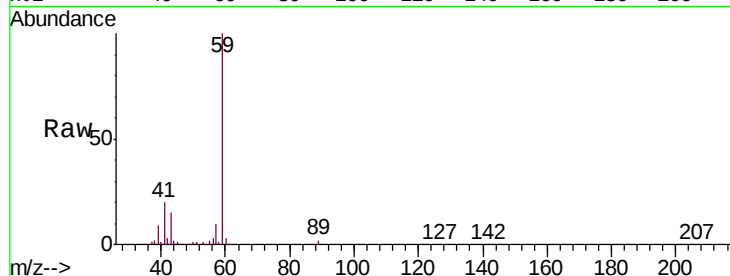


#11

Tert butyl alcohol
 Concen: 258.13 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

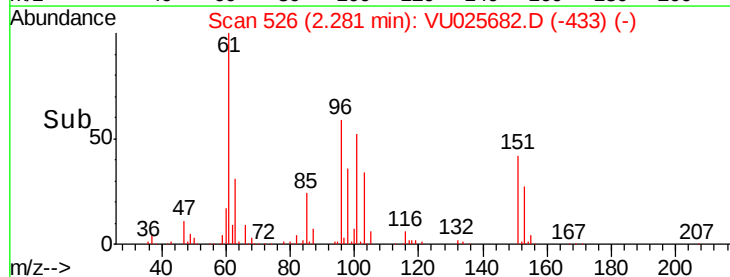
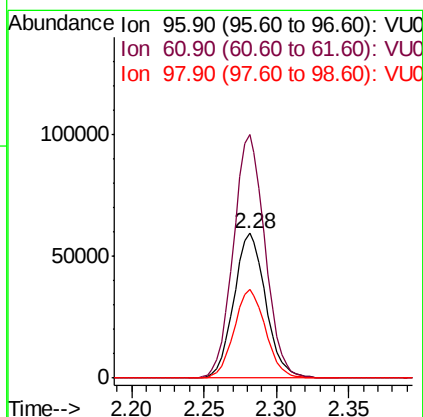
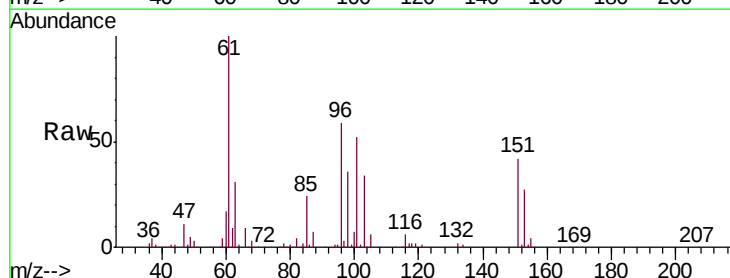
Tot Ion: 59 Resp: 154146
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

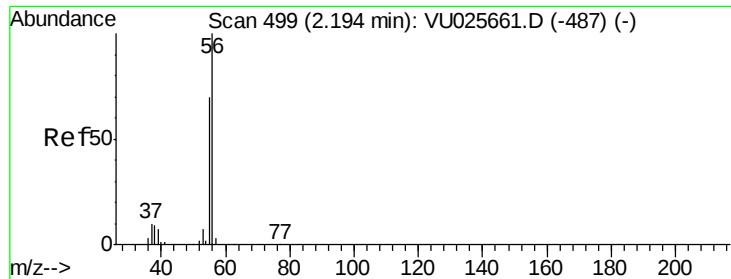


#12

1,1-Dichloroethene
 Concen: 48.09 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion: 96 Resp: 90386
 Ion Ratio Lower Upper
 96 100
 61 168.4 140.2 210.4
 98 61.0 49.3 73.9

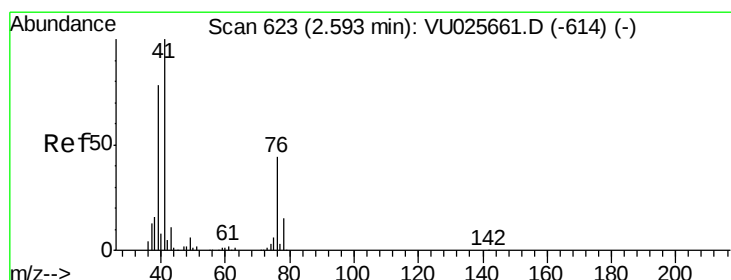
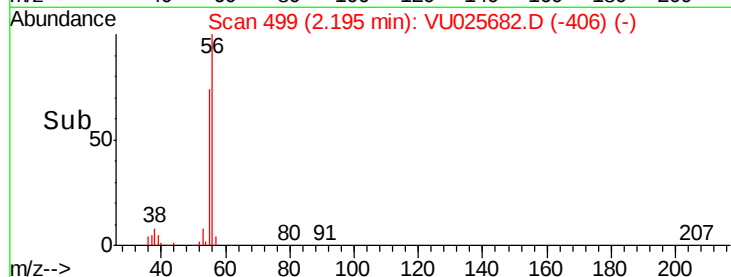
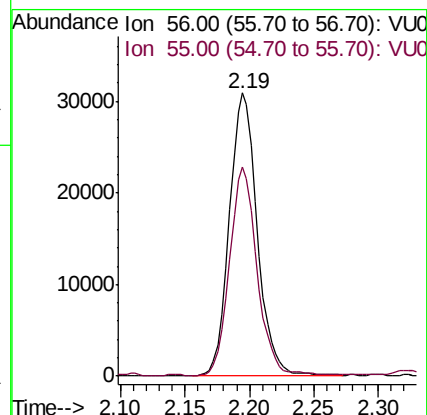
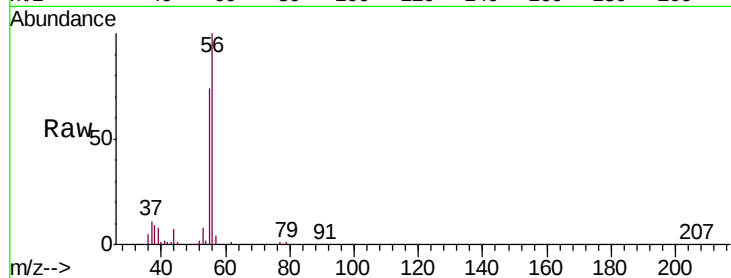




#13
Acrolein
Concen: 214.59 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

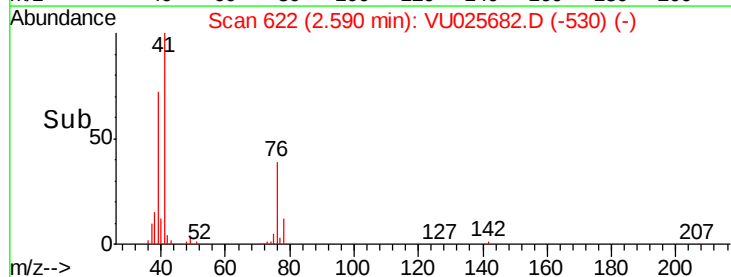
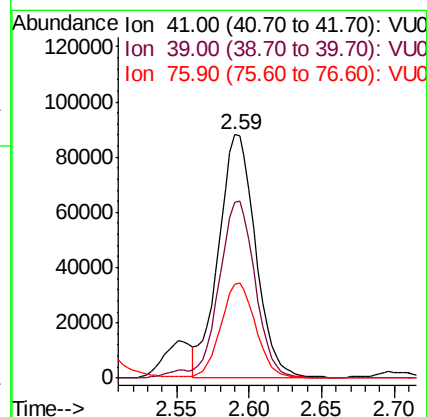
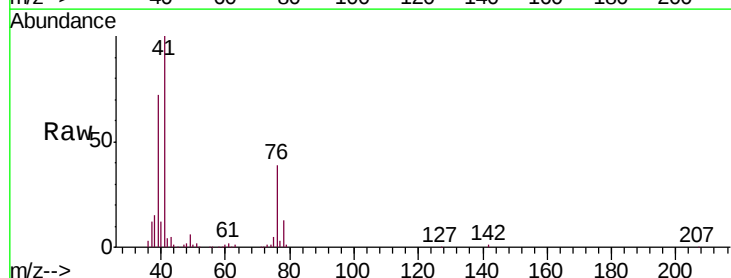
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

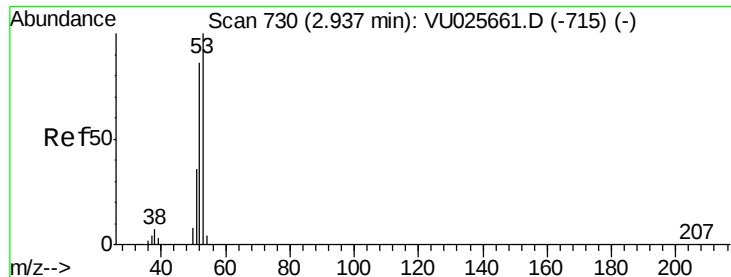
Tot Ion: 56 Resp: 46471
Ion Ratio Lower Upper
56 100
55 73.9 57.2 85.8



#14
Allyl chloride
Concen: 46.22 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 41 Resp: 156106
Ion Ratio Lower Upper
41 100
39 72.9 60.6 91.0
76 37.0 30.5 45.7





#15

Acrylonitrile

Concen: 262.17 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

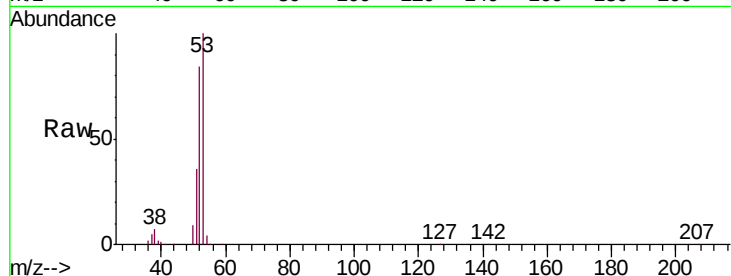
Tot Ion: 53 Resp: 312573

Ion Ratio Lower Upper

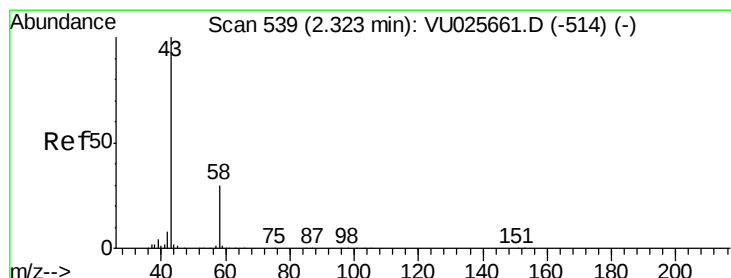
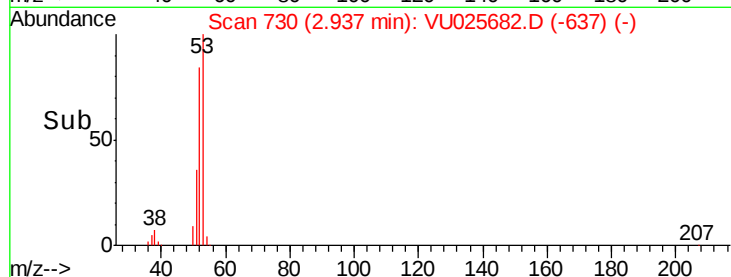
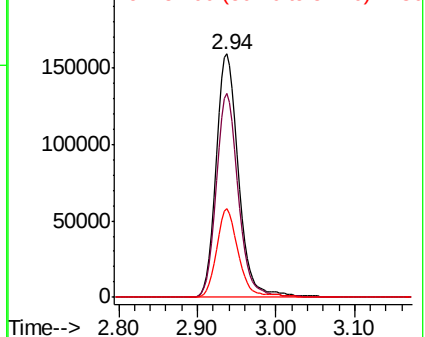
53 100

52 81.6 66.6 99.8

51 34.7 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 215.36 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025682.D

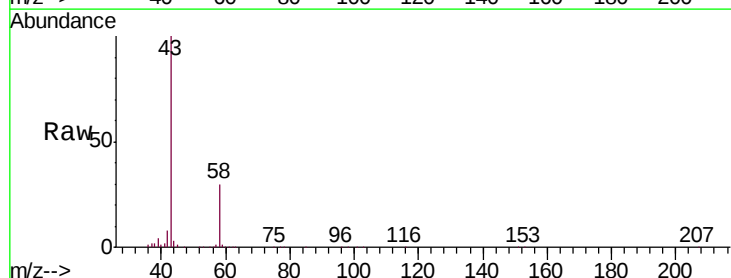
Acq: 27 Jul 2018 20:23

Tgt Ion: 43 Resp: 286386

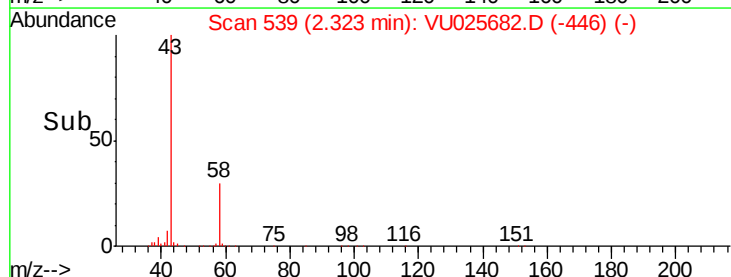
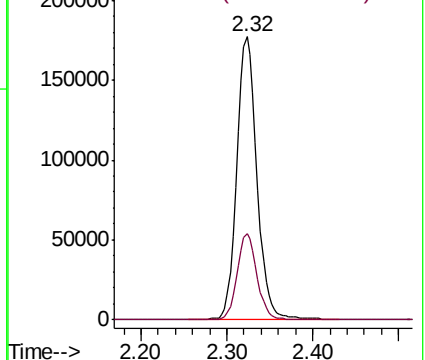
Ion Ratio Lower Upper

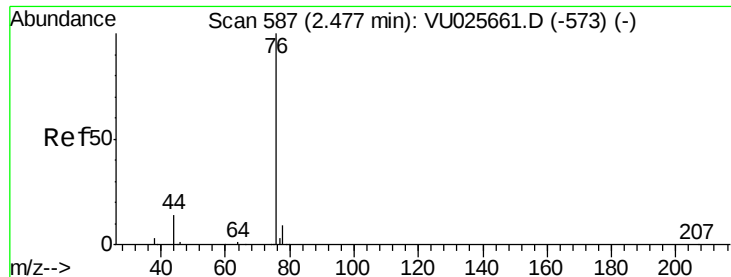
43 100

58 30.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

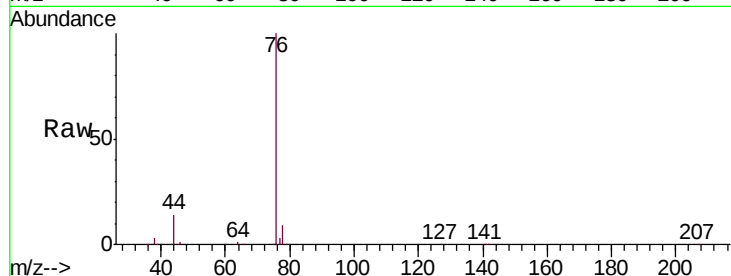




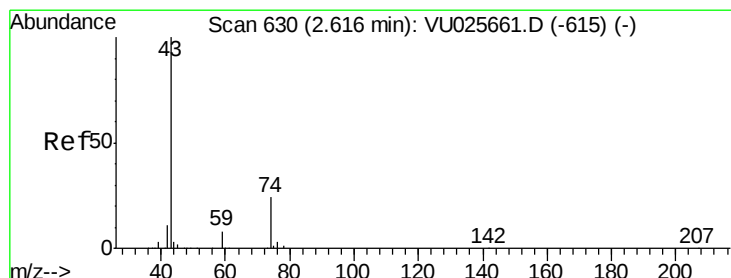
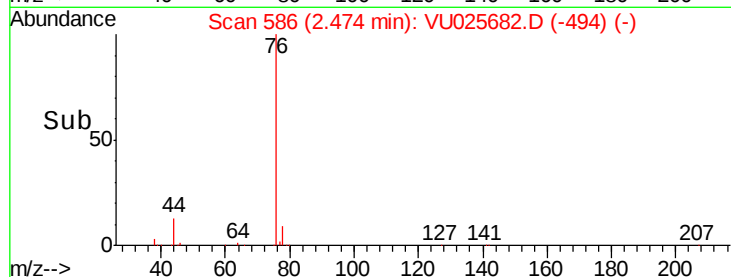
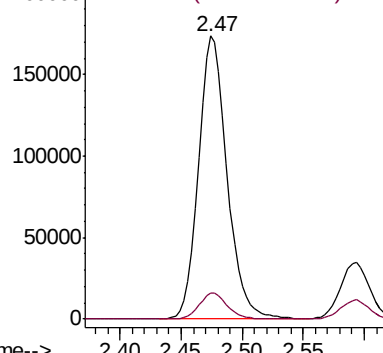
#17
Carbon Disulfide
Concen: 46.79 ug/l
RT: 2.47 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 284610
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

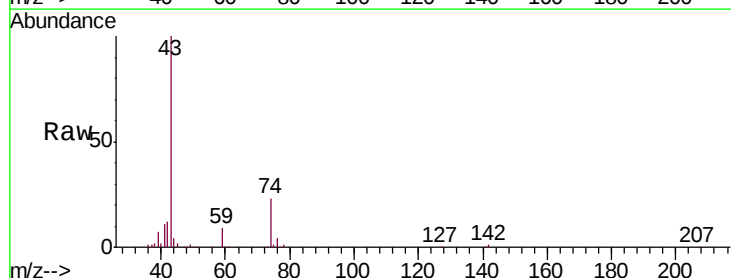


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

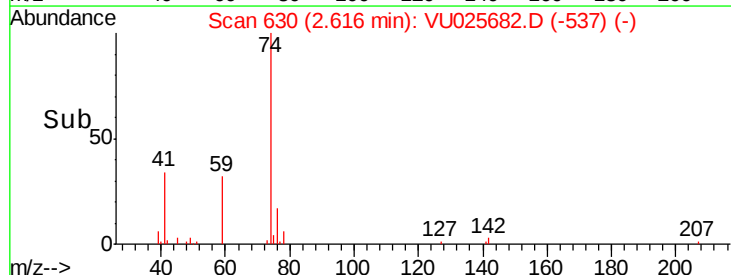
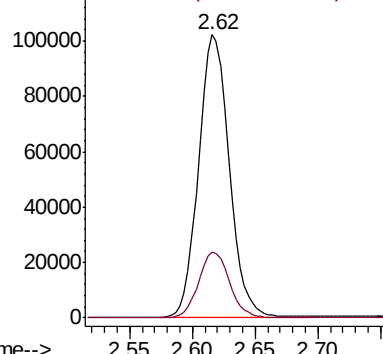


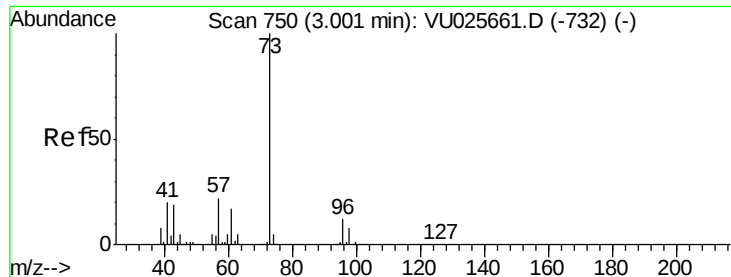
#18
Methyl Acetate
Concen: 54.08 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 43 Resp: 173078
Ion Ratio Lower Upper
43 100
74 23.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

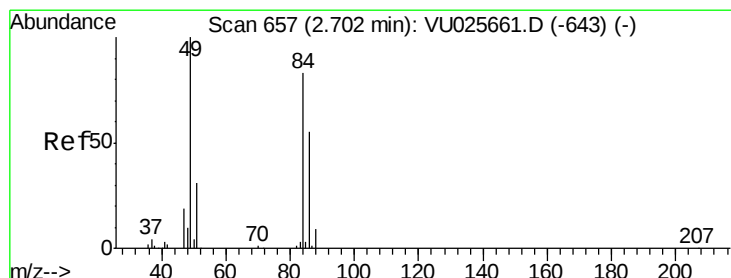
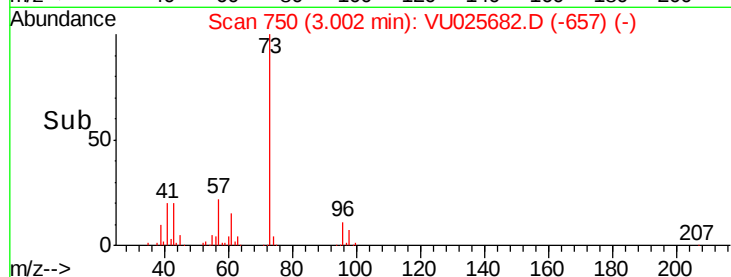
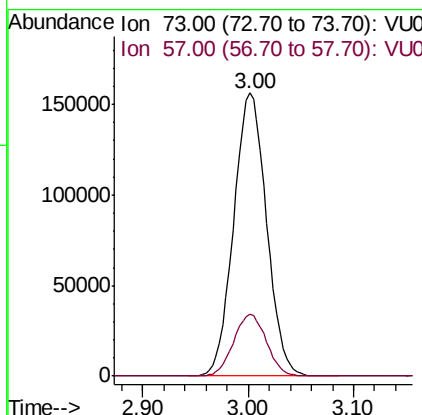
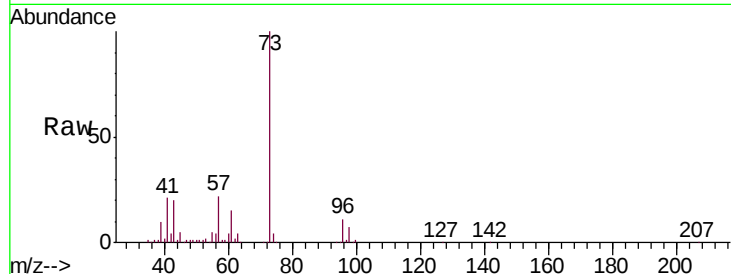




#19
Methyl tert-butyl Ether
Concen: 49.53 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

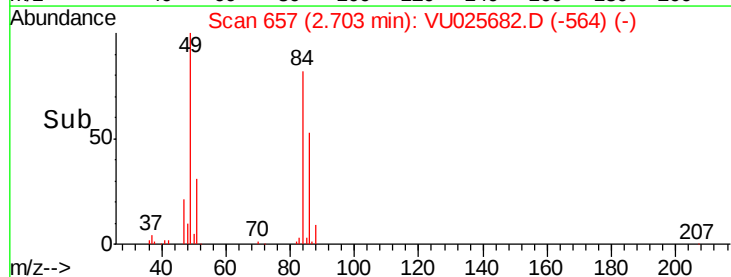
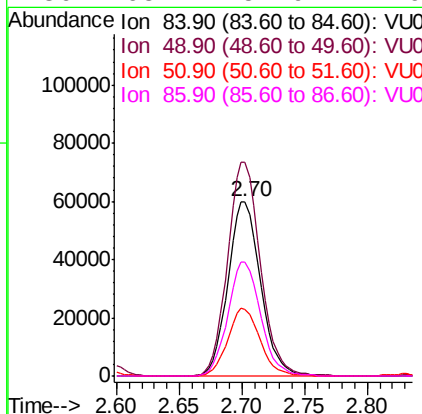
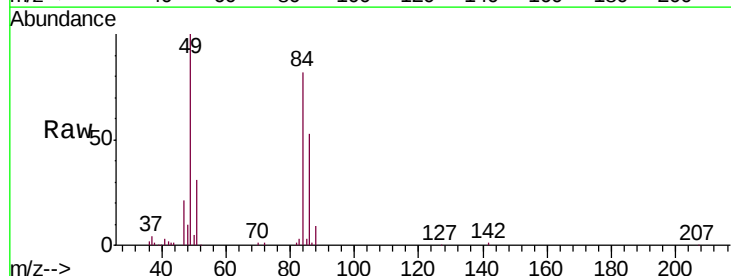
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

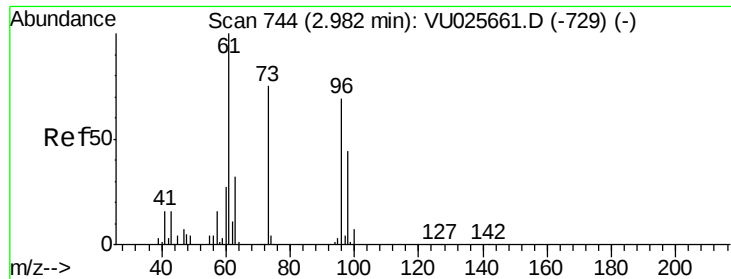
Tot Ion: 73 Resp: 337393
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2



#20
Methylene Chloride
Concen: 45.97 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 84 Resp: 108335
Ion Ratio Lower Upper
84 100
49 122.6 101.8 152.6
51 38.1 30.8 46.2
86 65.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.63 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

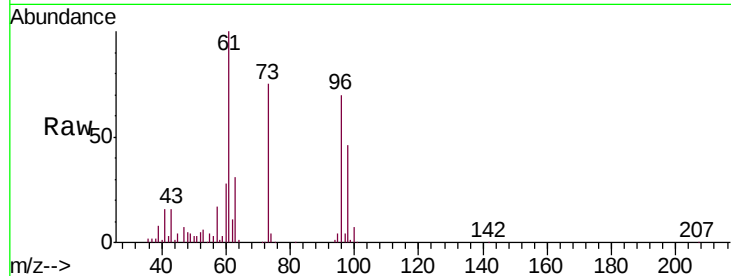
Tot Ion: 96 Resp: 103478

Ion Ratio Lower Upper

96 100

61 143.8 114.5 171.7

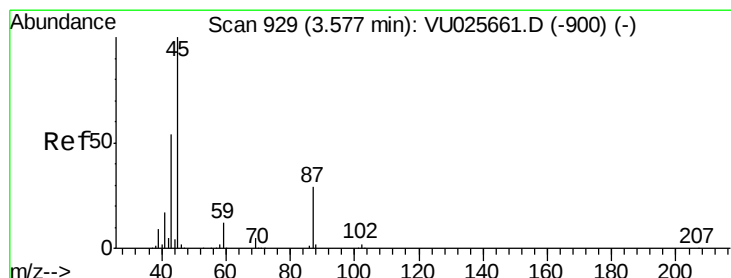
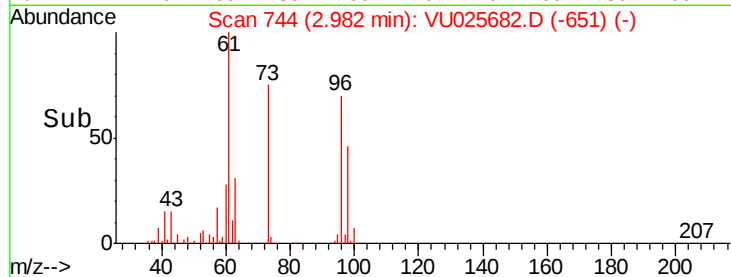
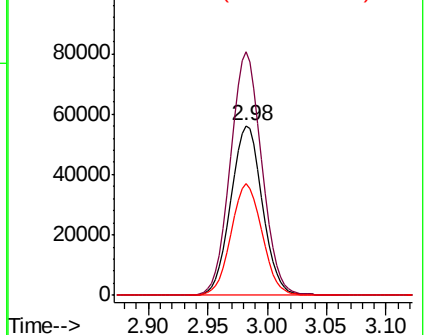
98 65.8 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025682.D (-651) (-)

Ion 60.90 (60.60 to 61.60): VU025682.D (-651) (-)

Ion 97.90 (97.60 to 98.60): VU025682.D (-651) (-)



#22

Diisopropyl ether

Concen: 49.46 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion: 45 Resp: 329182

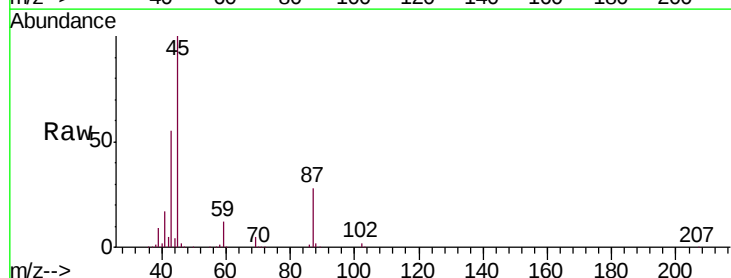
Ion Ratio Lower Upper

45 100

43 54.6 50.9 76.3

87 28.4 23.8 35.8

59 11.9 9.0 13.4

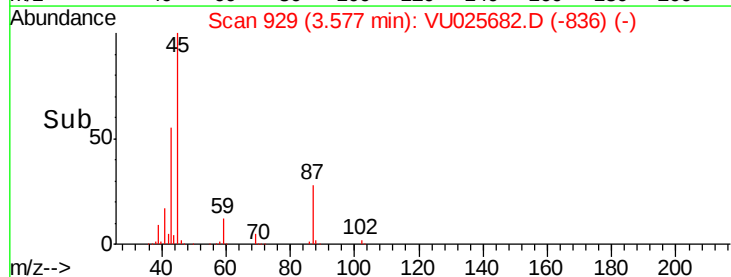
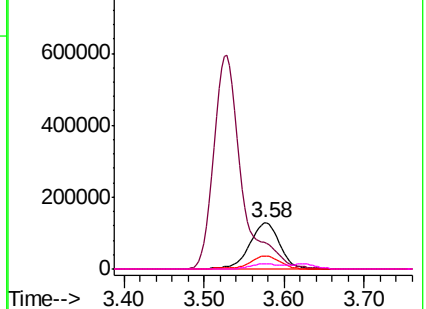


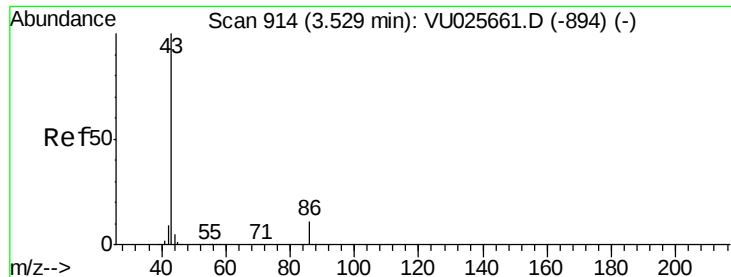
Abundance Ion 45.00 (44.70 to 45.70): VU025682.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU025682.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU025682.D (-836) (-)

Ion 59.00 (58.70 to 59.70): VU025682.D (-836) (-)





#23

Vinyl Acetate

Concen: 247.55 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

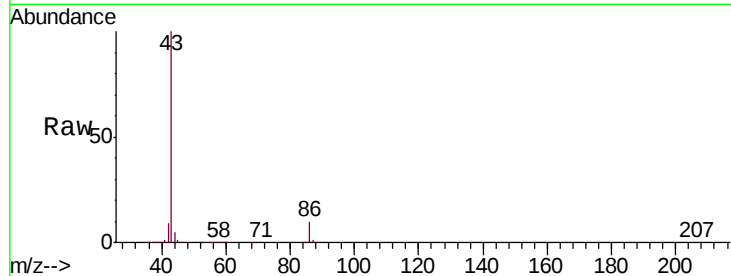
VSTDCCC050EC

Tot Ion: 43 Resp: 1435935

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

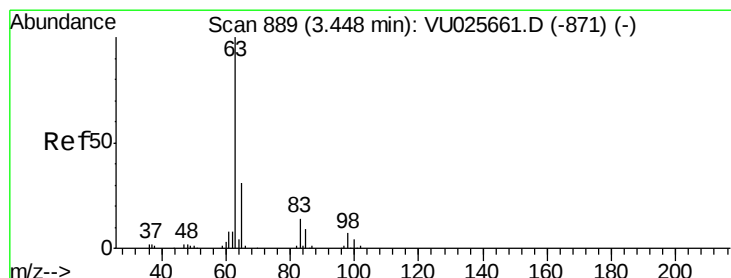
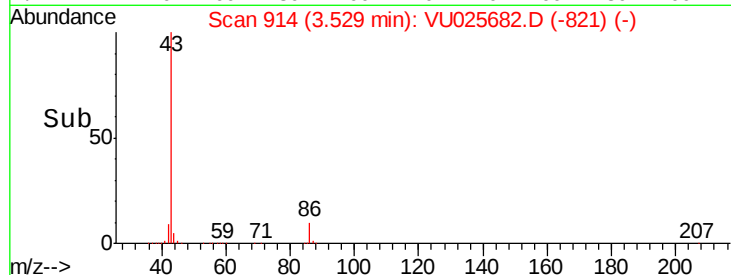
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.06 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

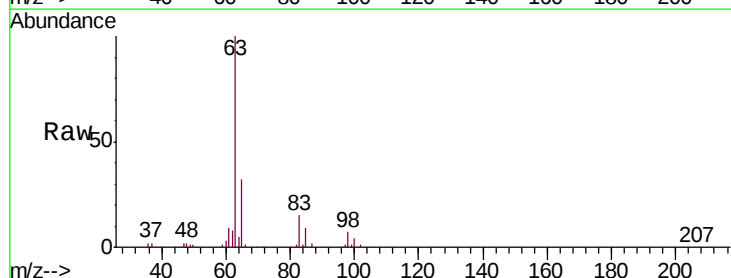
Tgt Ion: 63 Resp: 192025

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

120000

100000

80000

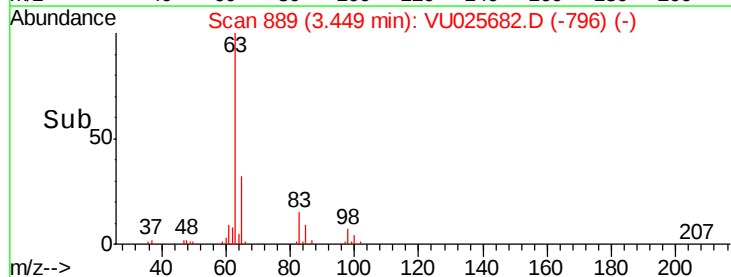
60000

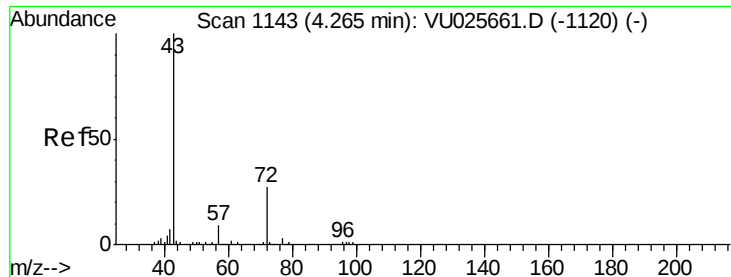
40000

20000

0

Time-->

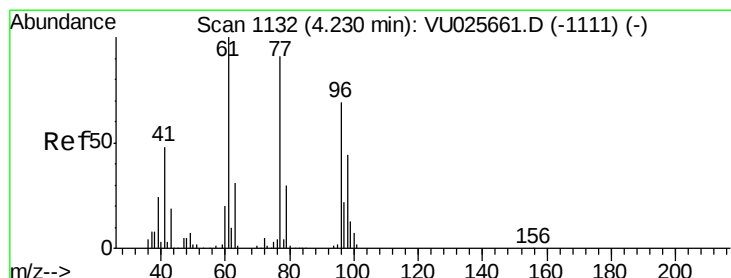
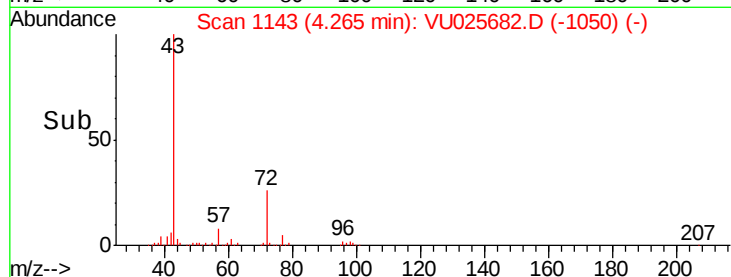
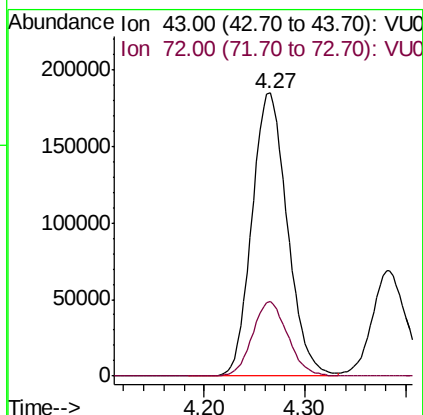
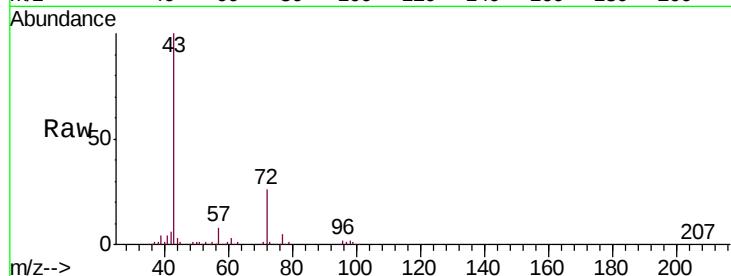




#25
2-Butanone
Concen: 248.02 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

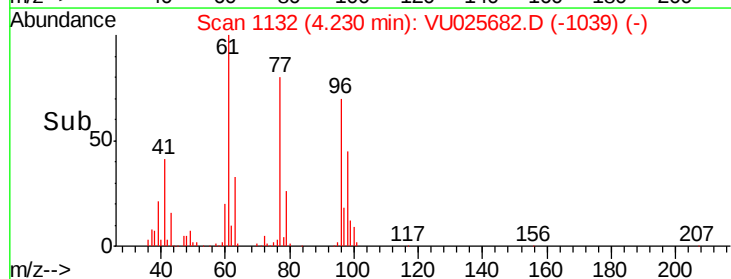
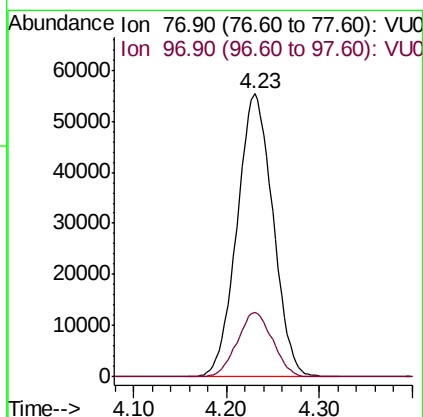
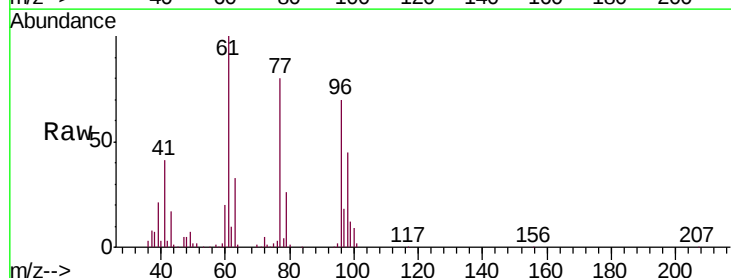
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

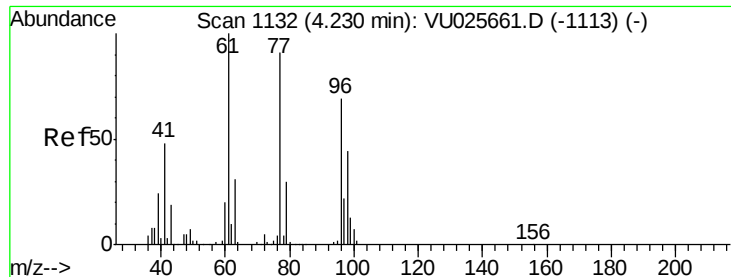
Tot Ion: 43 Resp: 448960
Ion Ratio Lower Upper
43 100
72 26.3 21.0 31.4



#26
2,2-Dichloropropane
Concen: 40.89 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 77 Resp: 148506
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.85 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

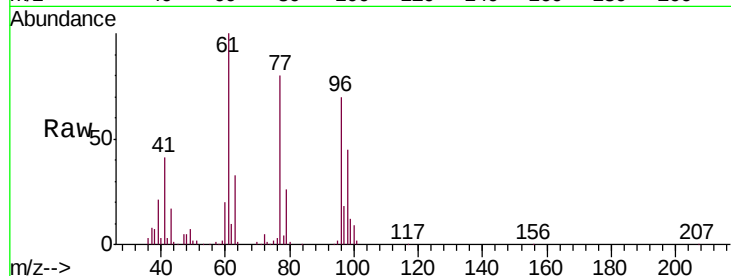
Tot Ion: 96 Resp: 117221

Ion Ratio Lower Upper

96 100

61 144.6 0.0 299.8

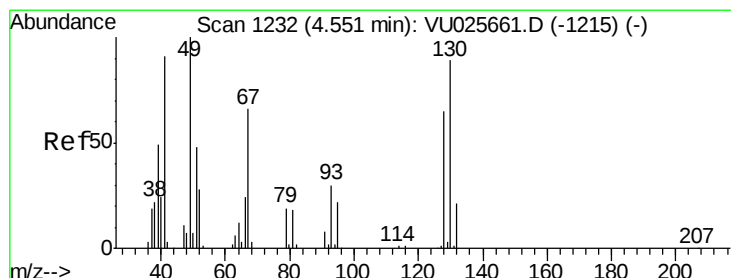
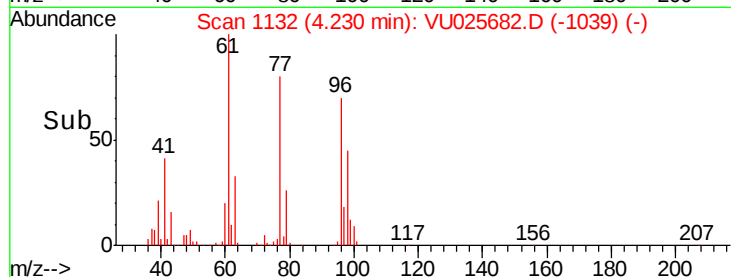
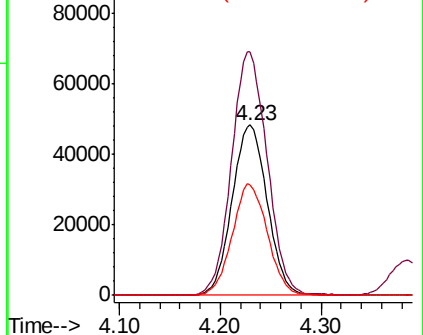
98 65.4 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 48.50 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

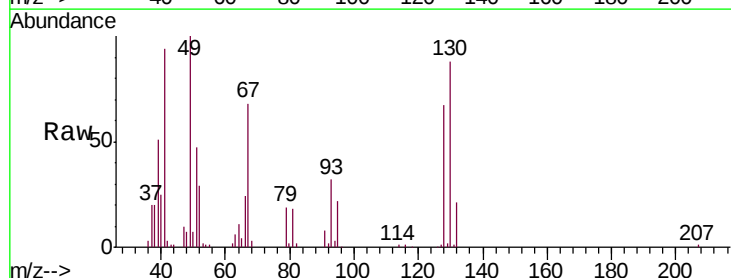
Tgt Ion: 49 Resp: 86643

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

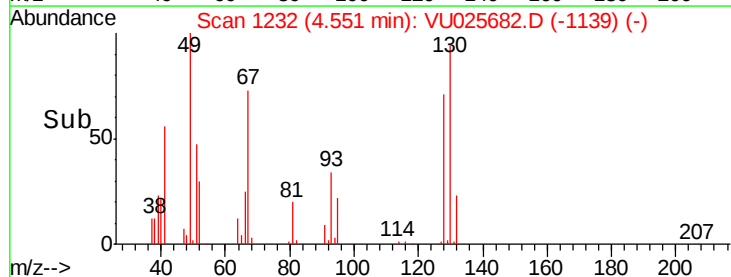
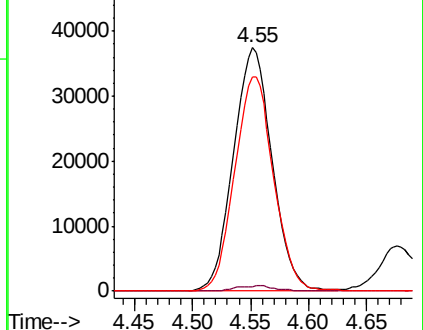
130 88.4 68.6 102.8

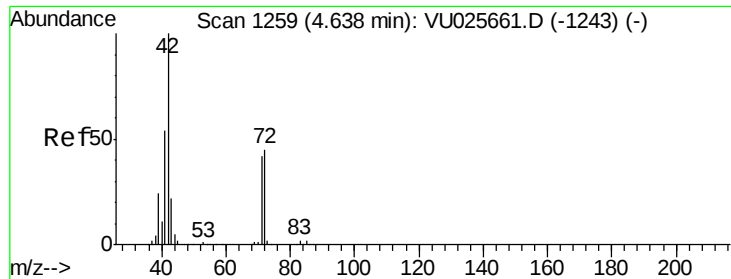


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

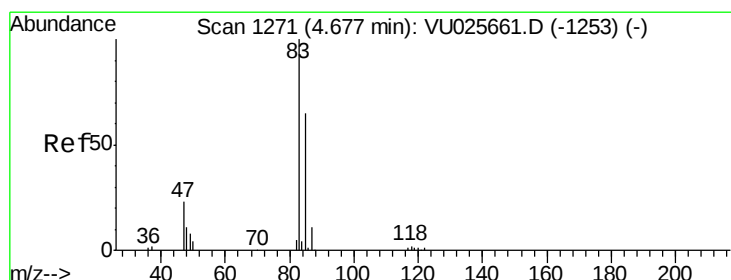
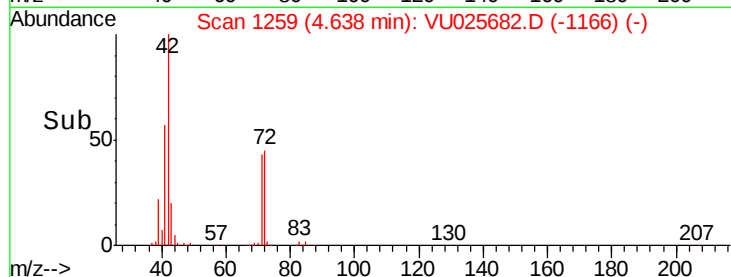
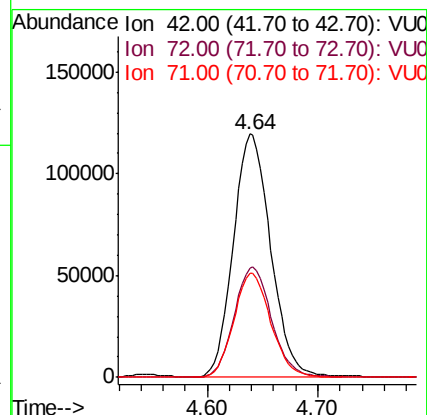
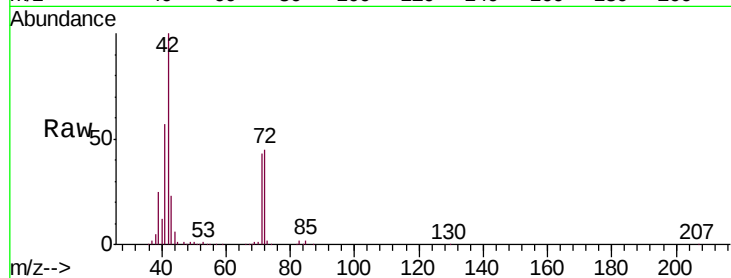




#29
Tetrahydrofuran
Concen: 258.39 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

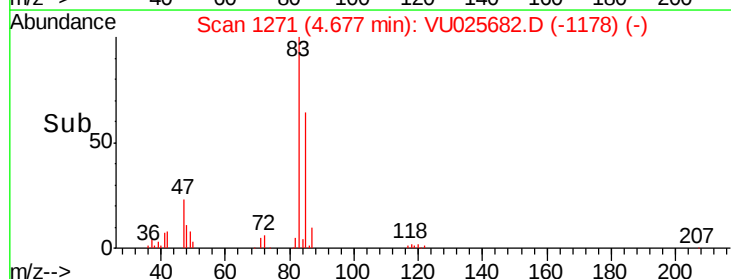
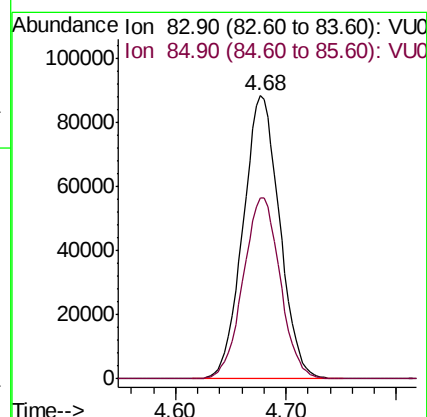
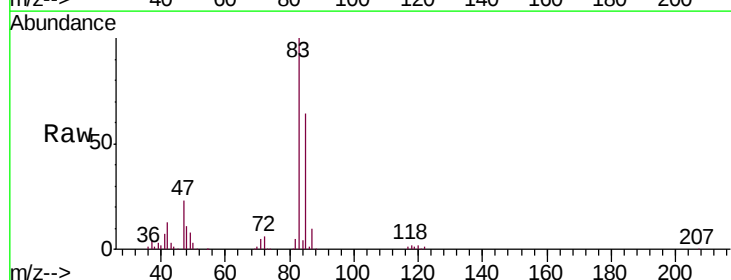
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

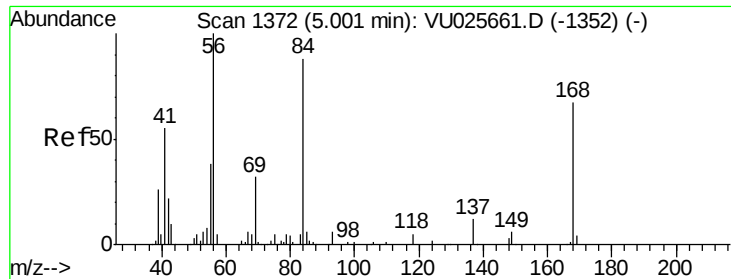
Tot Ion: 42 Resp: 280227
Ion Ratio Lower Upper
42 100
72 45.6 36.7 55.1
71 42.7 33.9 50.9



#30
Chloroform
Concen: 48.04 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 83 Resp: 202604
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3





#31

Cvclohexane

Concen: 48.19 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

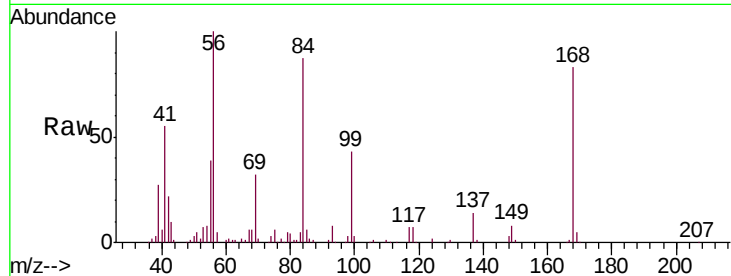
Tot Ion: 56 Resp: 167669

Ion Ratio Lower Upper

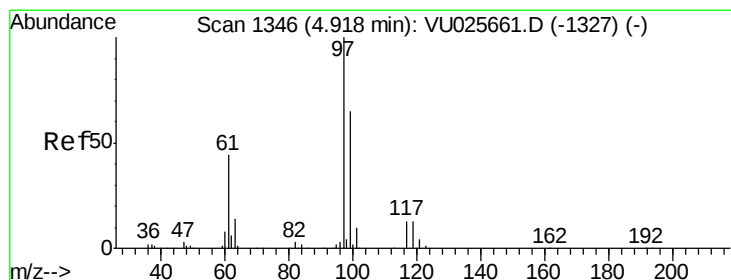
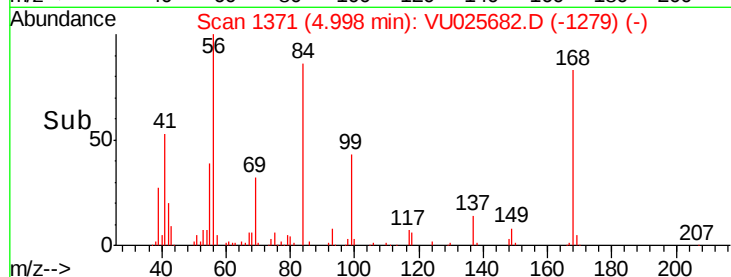
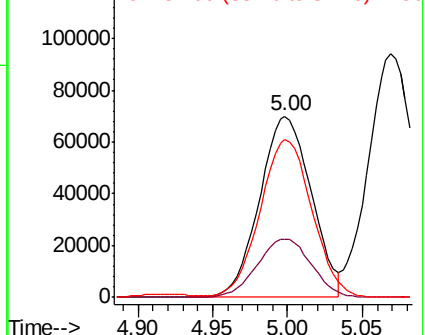
56 100

69 32.1 26.8 40.2

84 86.0 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 48.35 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

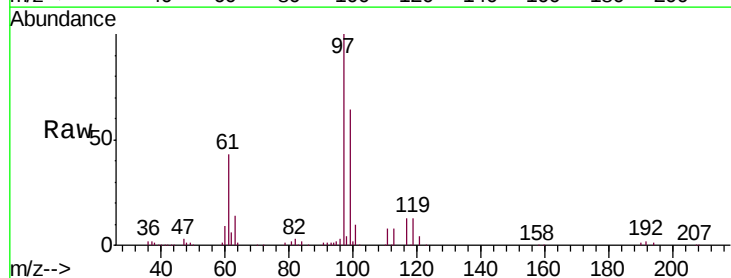
Tgt Ion: 97 Resp: 183578

Ion Ratio Lower Upper

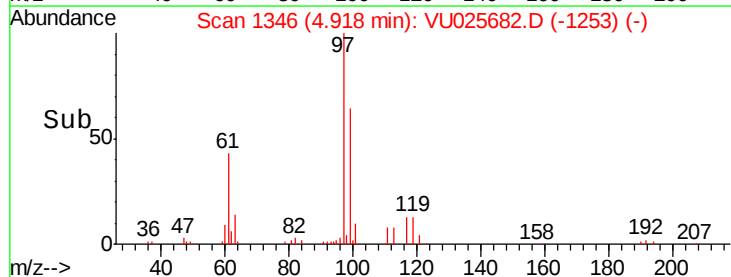
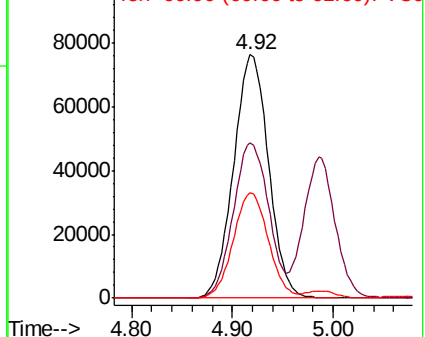
97 100

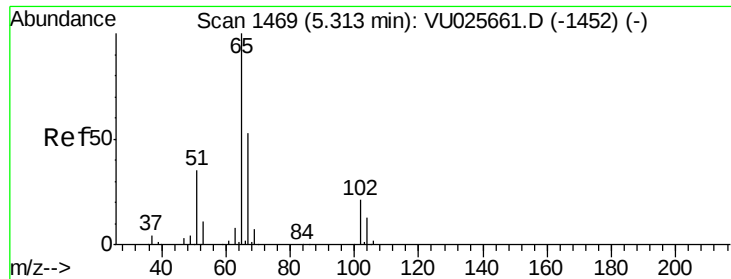
99 64.8 50.8 76.2

61 43.5 35.2 52.8



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





#33

1,2-Dichloroethane-d4

Concen: 50.42 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

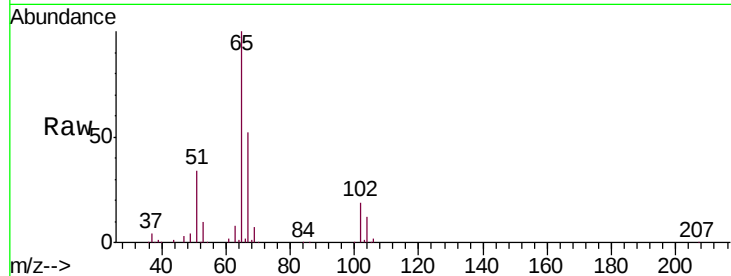
VSTDCCC050EC

Tot Ion: 65 Resp: 137509

Ion Ratio Lower Upper

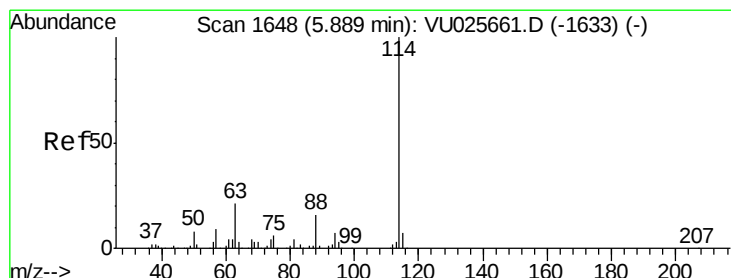
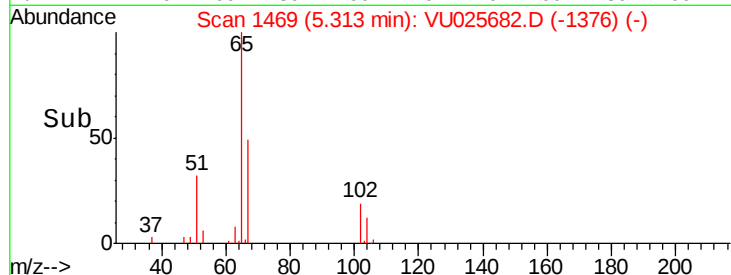
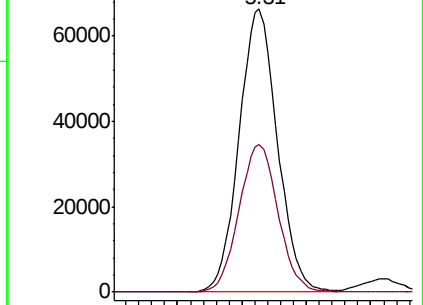
65 100

67 53.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

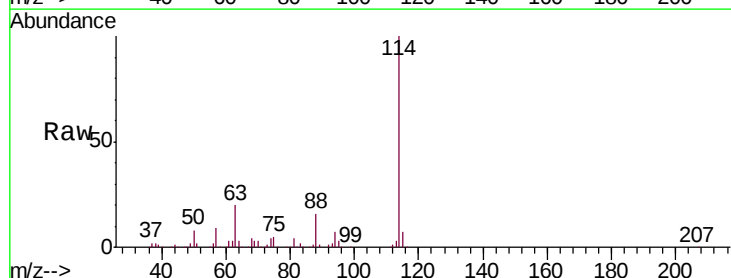
Tgt Ion: 114 Resp: 265582

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

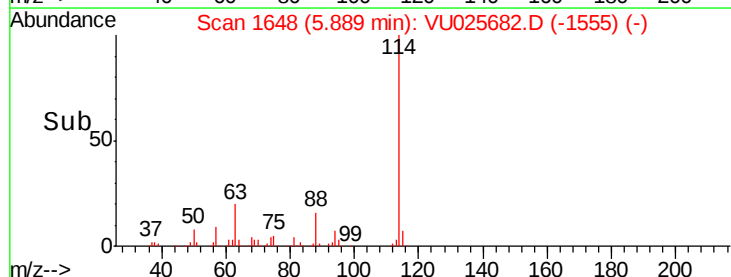
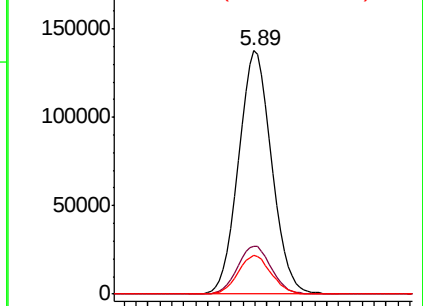
88 15.7 0.0 32.4

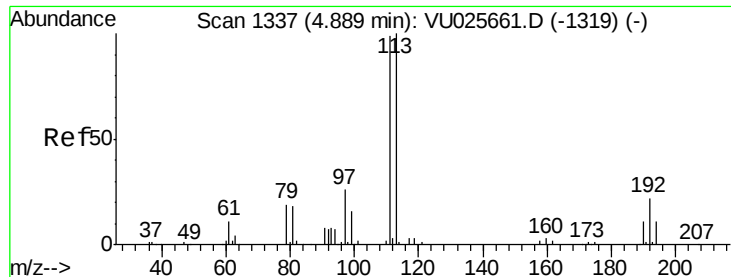


Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

Ion 63.00 (62.70 to 63.70): VU025661.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025661.D (-1633) (-)

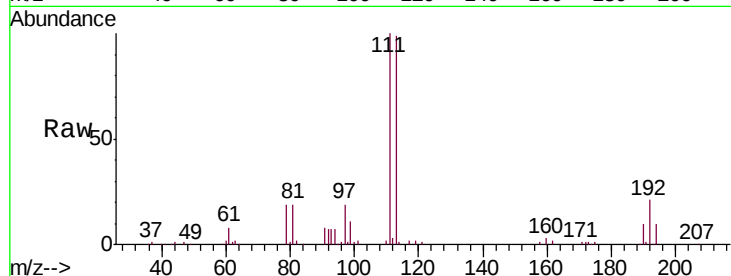




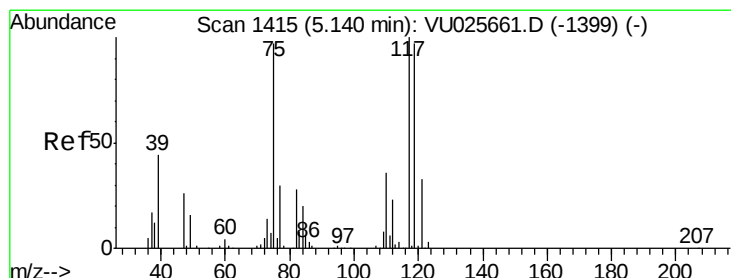
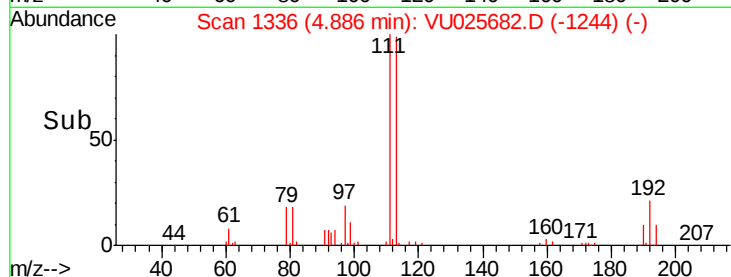
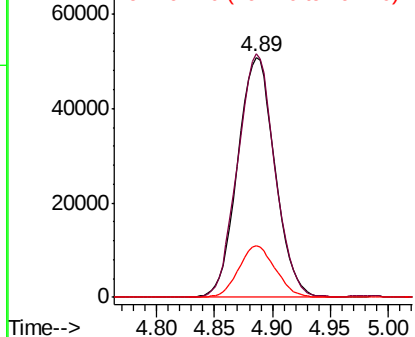
#35
Dibromofluoromethane
Concen: 49.27 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 113813
Ion Ratio Lower Upper
113 100
111 101.1 81.7 122.5
192 21.1 17.1 25.7

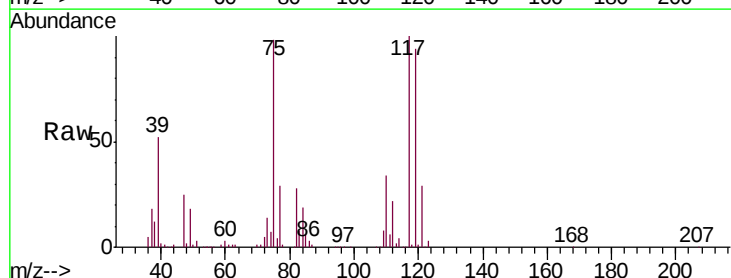


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

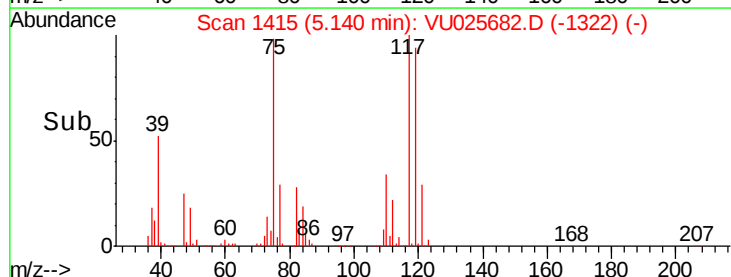
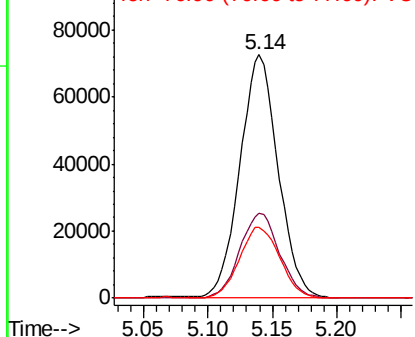


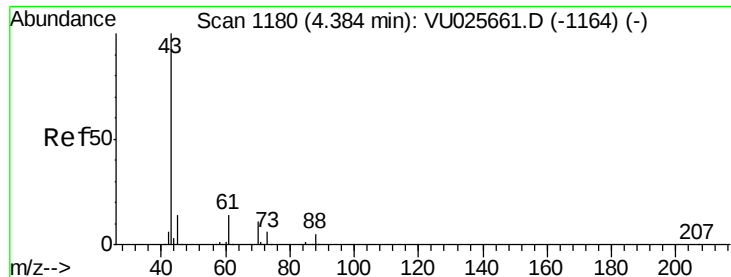
#36
1,1-Dichloropropene
Concen: 47.88 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 75 Resp: 148595
Ion Ratio Lower Upper
75 100
110 36.7 17.6 52.9
77 31.1 24.4 36.6



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

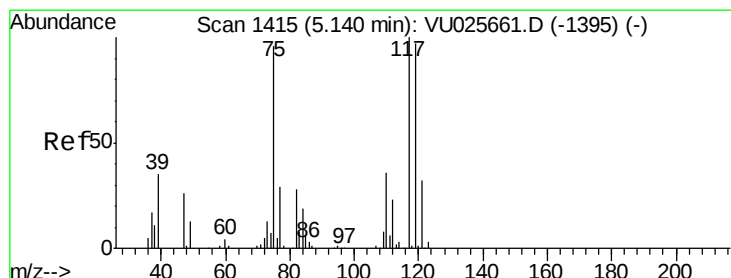
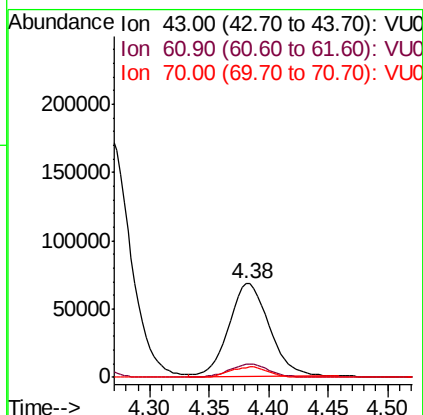
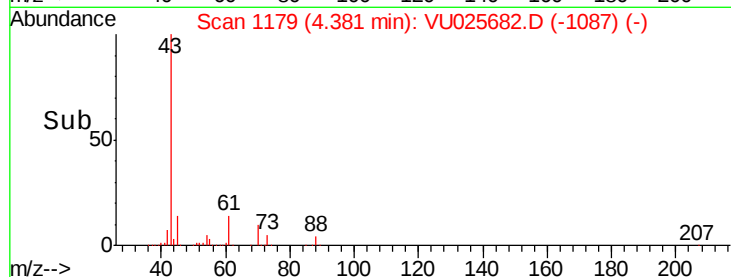
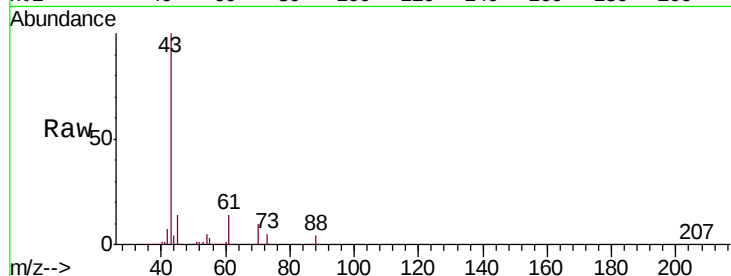




#37
Ethyl Acetate
Concen: 50.19 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

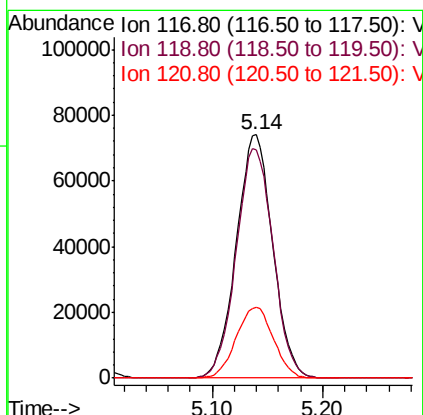
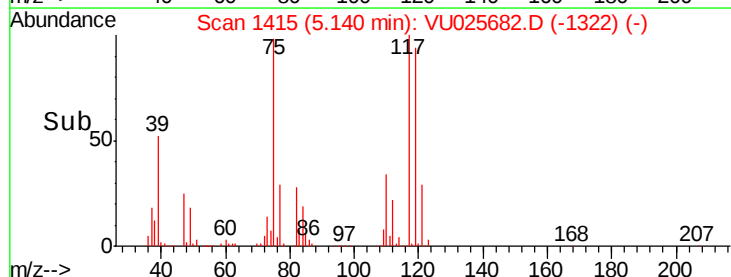
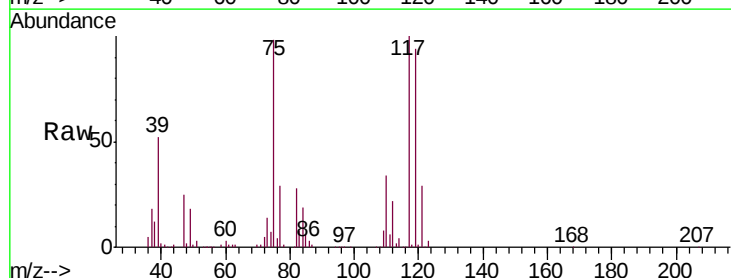
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

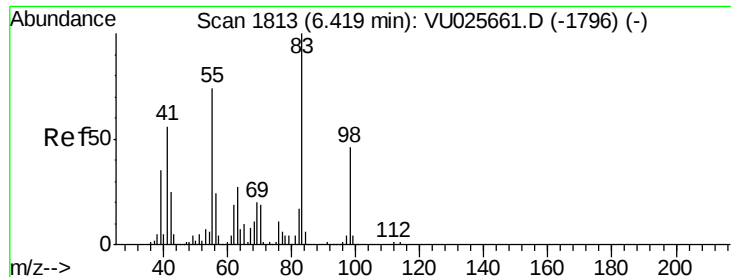
Tot Ion: 43 Resp: 161517
Ion Ratio Lower Upper
43 100
61 14.5 10.7 16.1
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.10 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 117 Resp: 169106
Ion Ratio Lower Upper
117 100
119 93.7 75.7 113.5
121 29.3 24.6 36.8

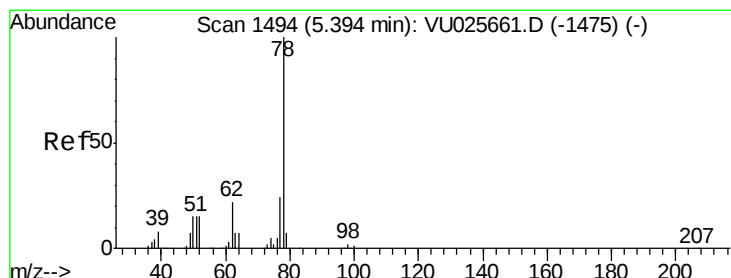
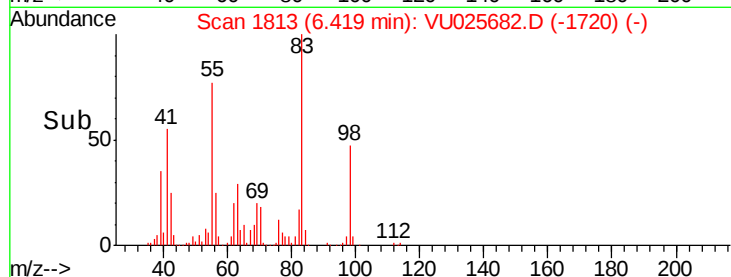
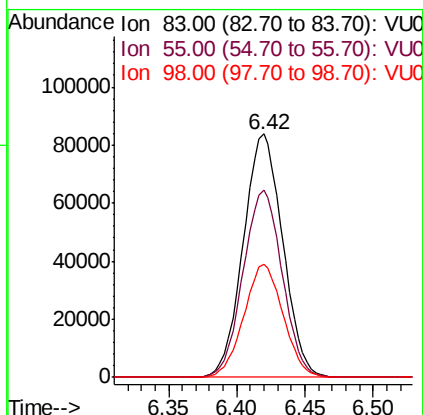
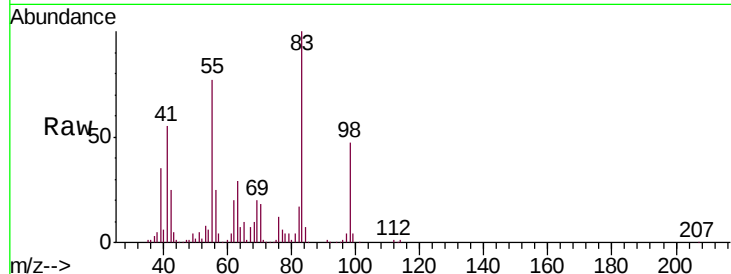




#39
Methvlcvclohexane
Concen: 47.31 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

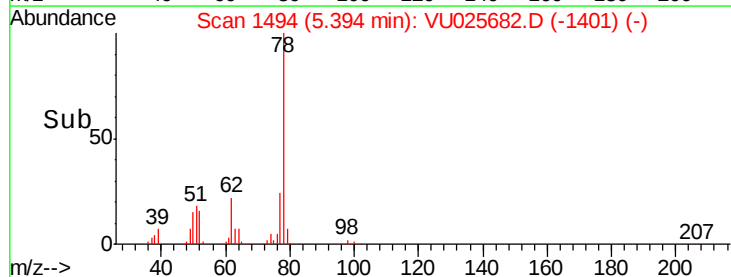
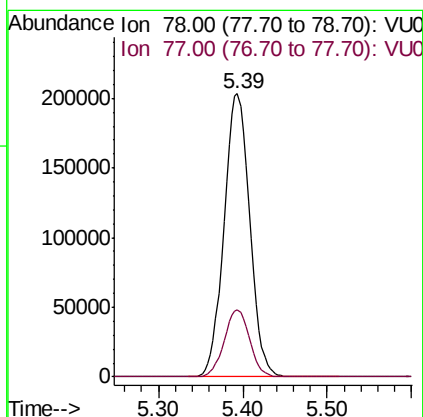
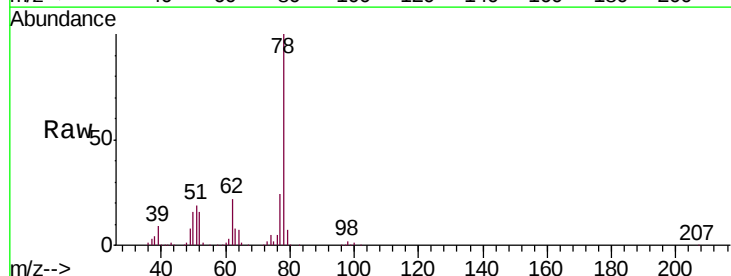
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

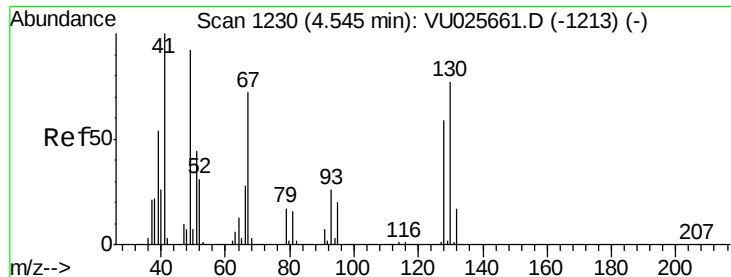
Tot Ion: 83 Resp: 168262
Ion Ratio Lower Upper
83 100
55 76.7 60.0 90.0
98 46.6 36.1 54.1



#40
Benzene
Concen: 47.48 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 78 Resp: 430731
Ion Ratio Lower Upper
78 100
77 23.6 19.8 29.6

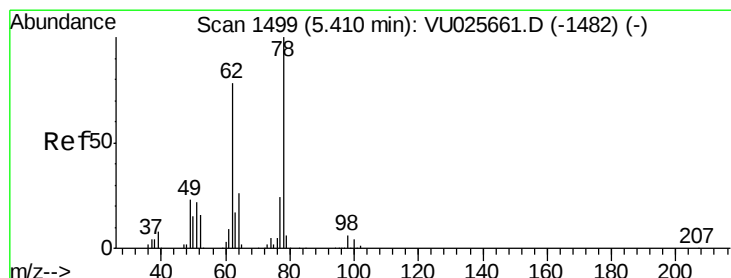
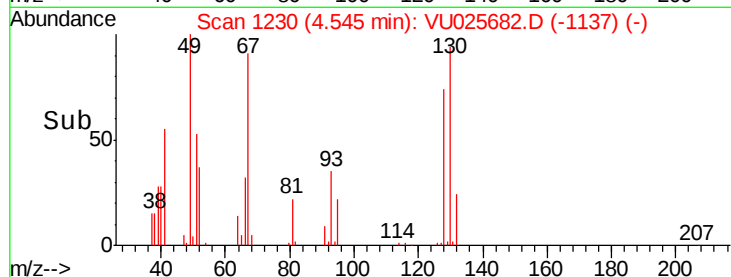
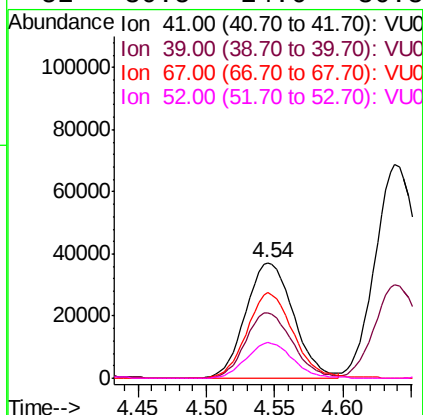
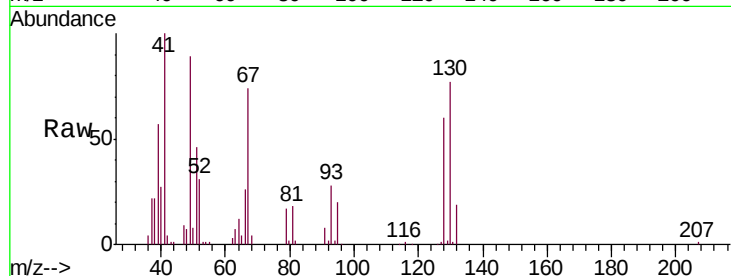




#41
Methacrylonitrile
Concen: 50.69 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

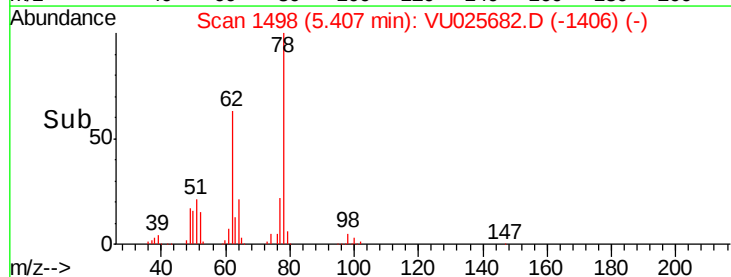
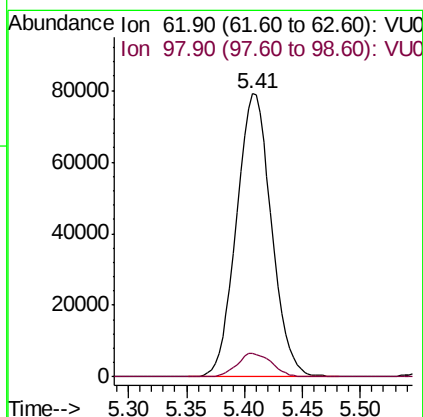
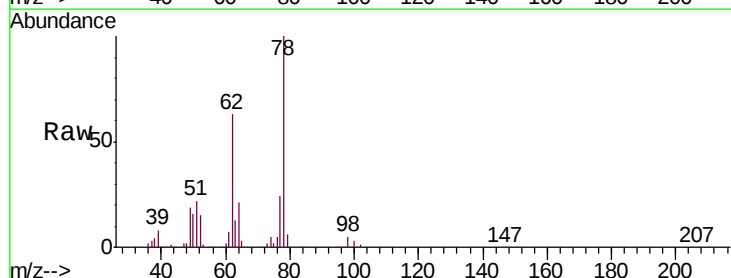
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

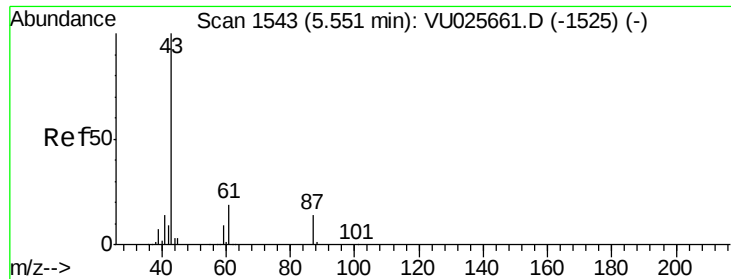
Tot Ion:	41	Resp:	90605
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.4	66.6
67	71.6	56.0	84.0
52	30.5	24.6	36.8



#42
1,2-Dichloroethane
Concen: 47.49 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion:	62	Resp:	165897
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



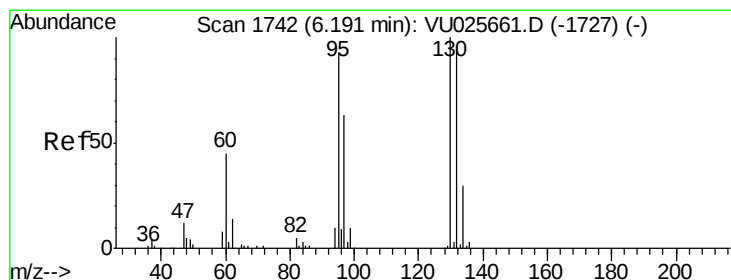
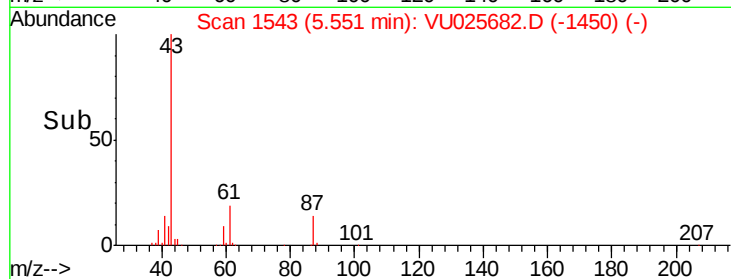
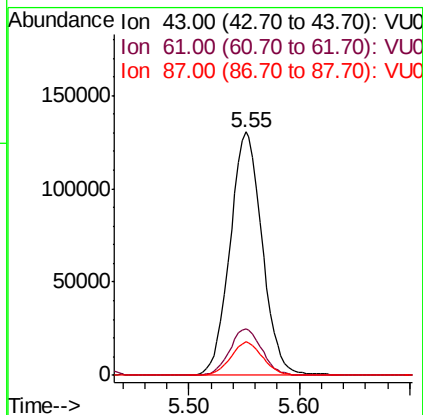
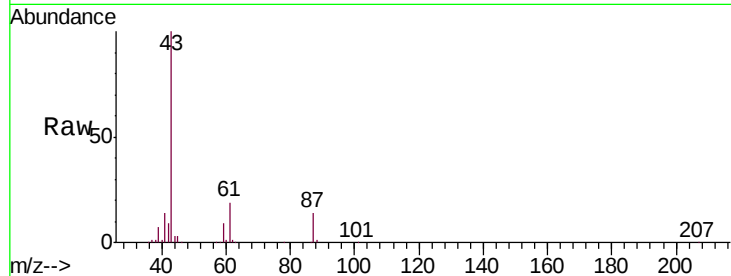


#43

Isopropyl Acetate
 Concen: 49.33 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

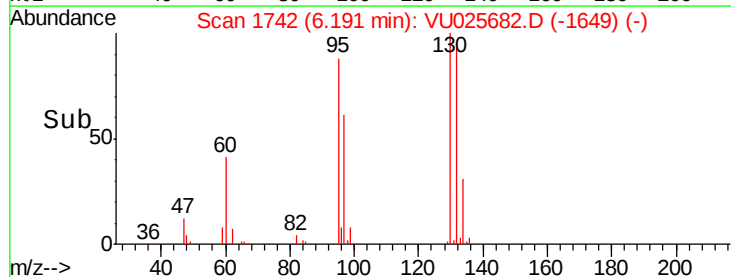
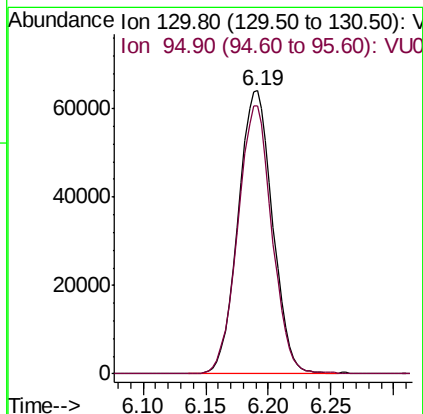
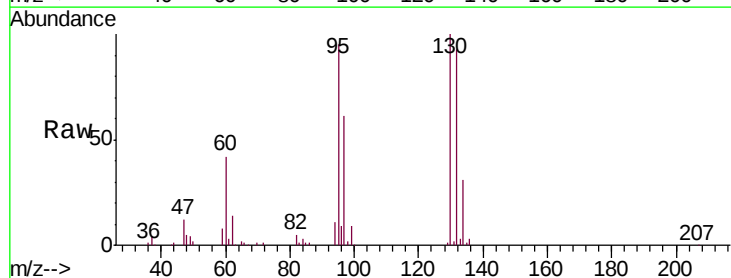
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.6	10.6	16.0

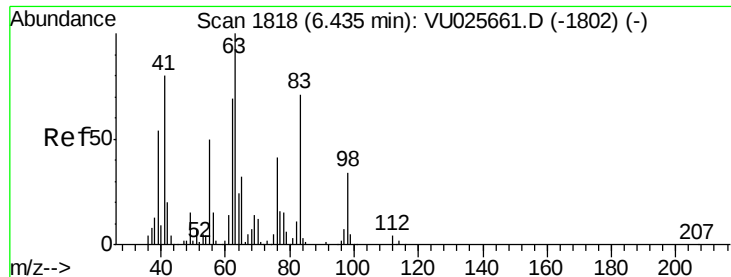


#44

Trichloroethene
 Concen: 48.42 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.2

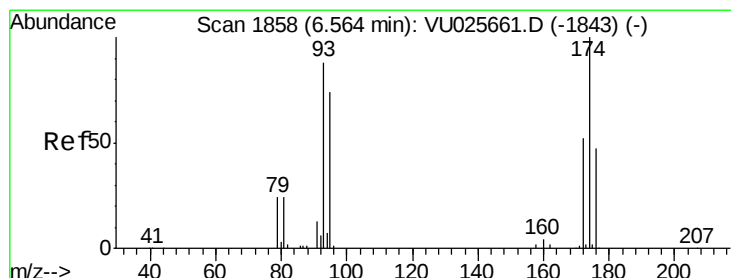
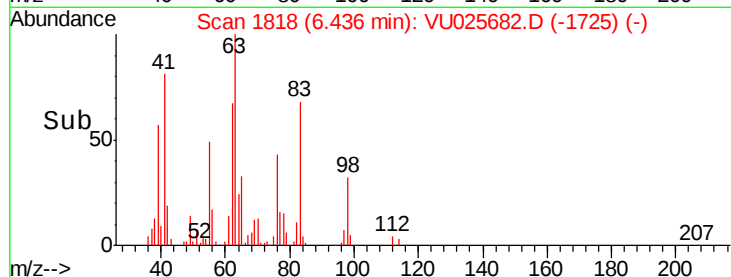
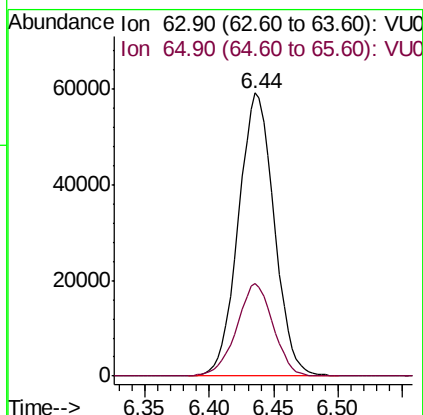
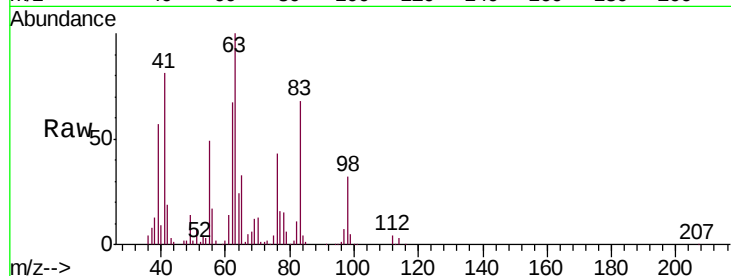




#45
 1,2-Dichloropropane
 Concen: 48.40 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

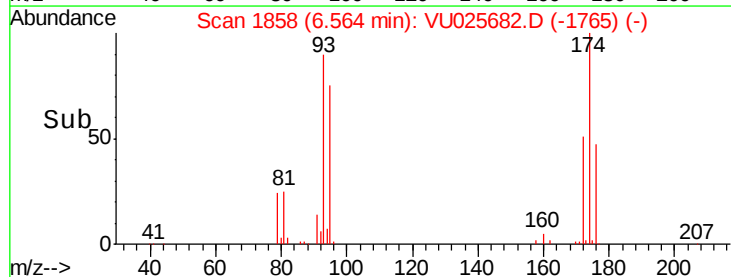
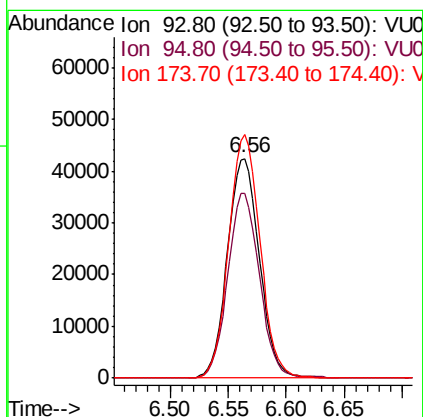
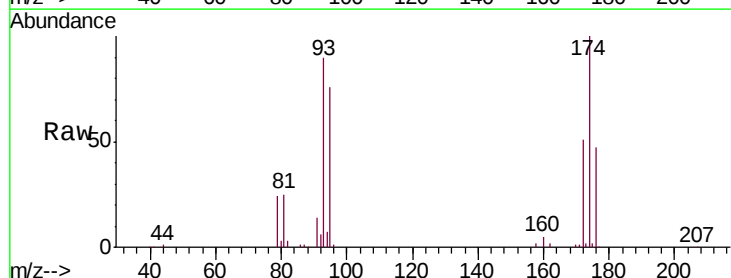
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

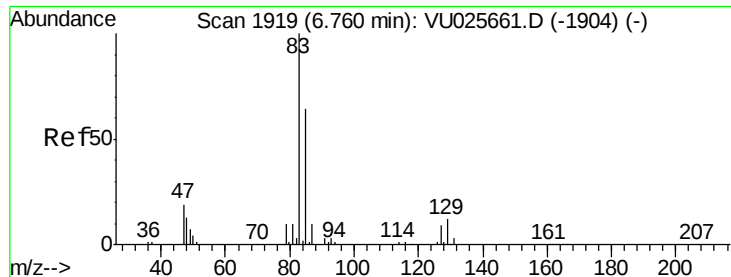
Tot Ion: 63 Resp: 114513
 Ion Ratio Lower Upper
 63 100
 65 32.7 26.1 39.1



#46
 Dibromomethane
 Concen: 47.44 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion: 93 Resp: 81337
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 108.2 85.8 128.8





#47

Bromodichloromethane

Concen: 47.78 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

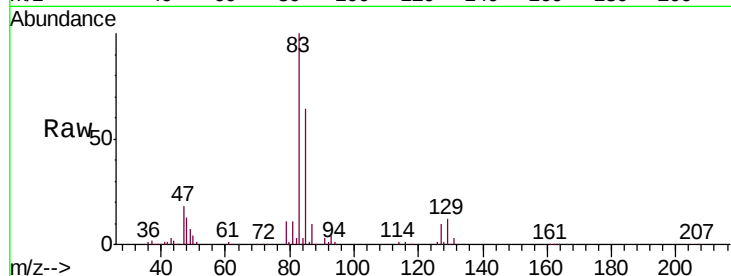
Tot Ion: 83 Resp: 156245

Ion Ratio Lower Upper

83 100

85 64.4 50.2 75.4

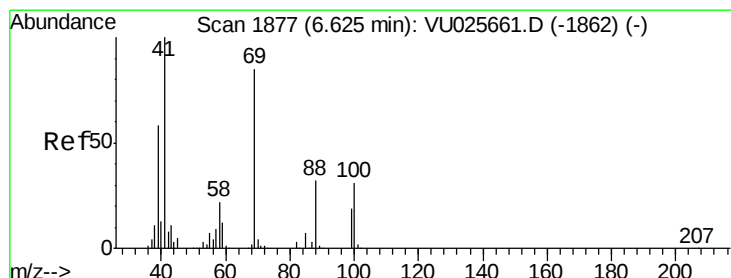
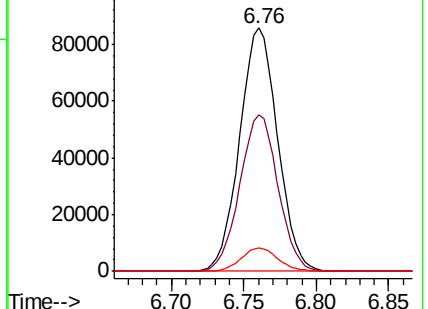
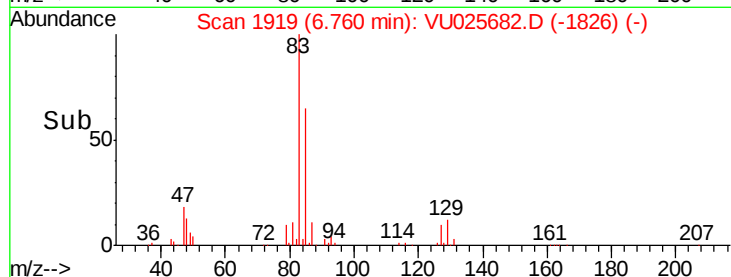
127 9.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025682.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025682.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025682.D (-1826) (-)



#48

Methyl methacrylate

Concen: 51.38 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

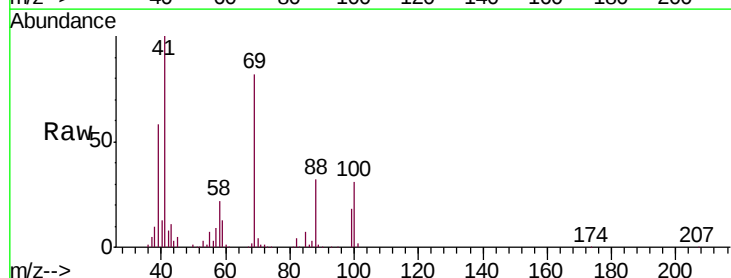
Tgt Ion: 41 Resp: 133910

Ion Ratio Lower Upper

41 100

69 83.8 65.0 97.4

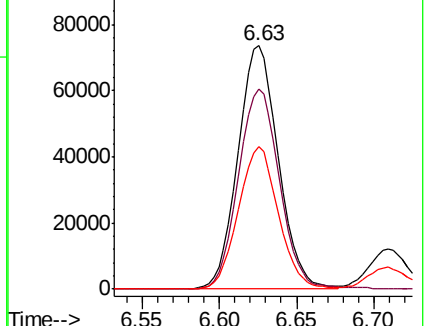
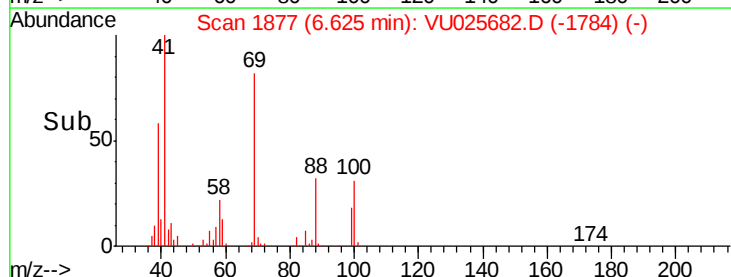
39 57.9 46.4 69.6

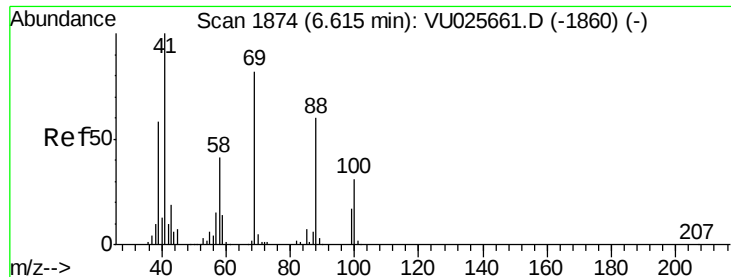


Abundance Ion 41.00 (40.70 to 41.70): VU025682.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025682.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025682.D (-1784) (-)





#49

1,4-Dioxane

Concen: 1031.92 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

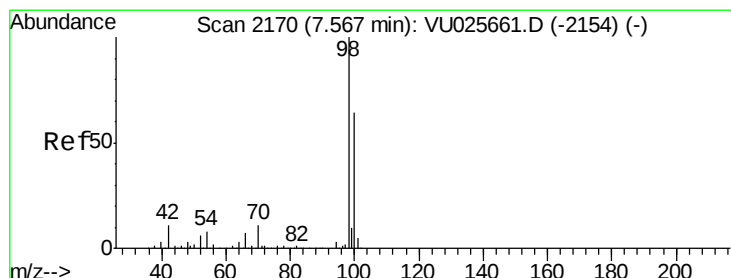
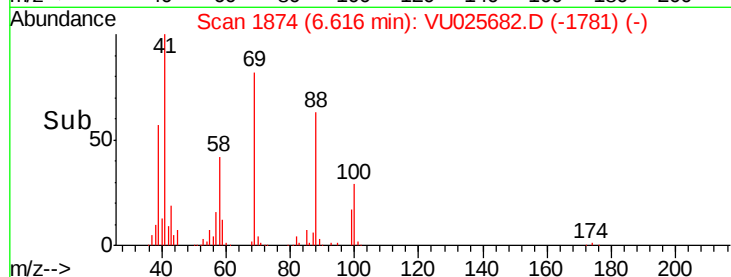
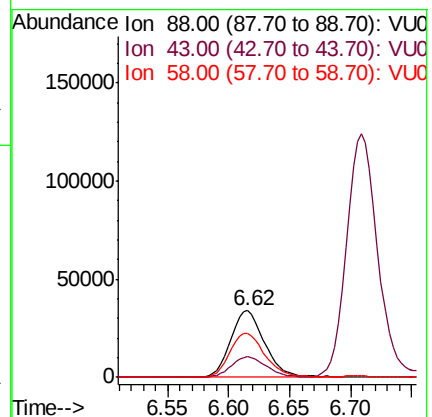
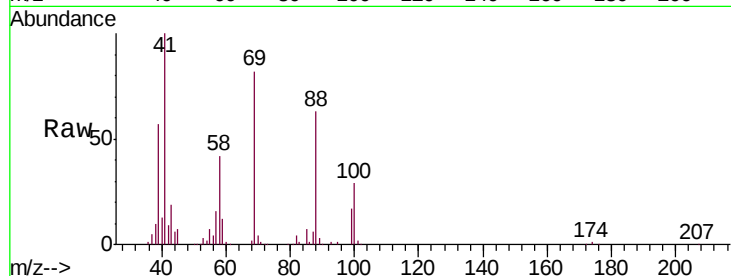
Tot Ion: 88 Resp: 65453

Ion Ratio Lower Upper

88 100

43 32.2 27.3 40.9

58 69.4 57.6 86.4



#50

Toluene-d8

Concen: 49.91 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025682.D

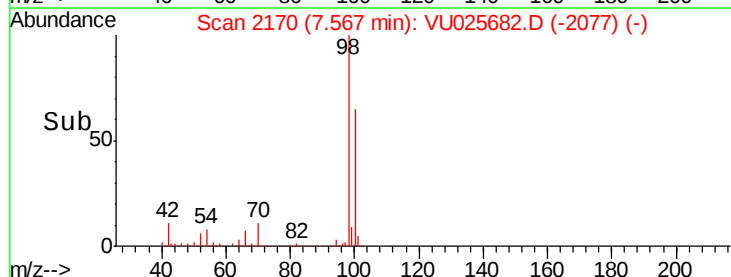
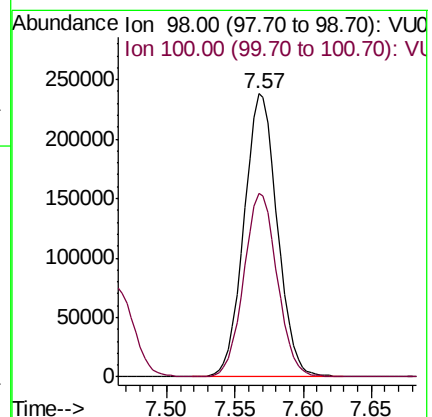
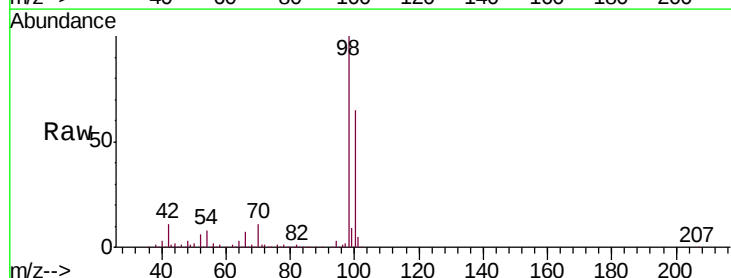
Acq: 27 Jul 2018 20:23

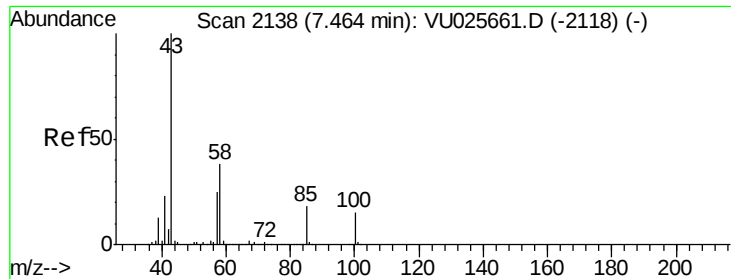
Tgt Ion: 98 Resp: 403451

Ion Ratio Lower Upper

98 100

100 65.2 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 254.51 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

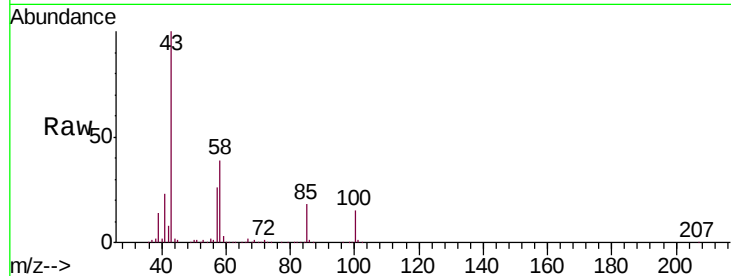
VSTDCCC050EC

Tot Ion: 43 Resp: 847399

Ion Ratio Lower Upper

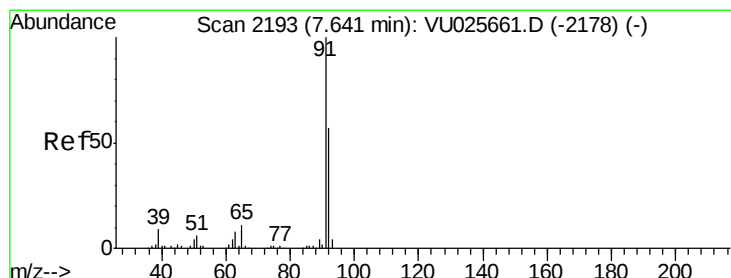
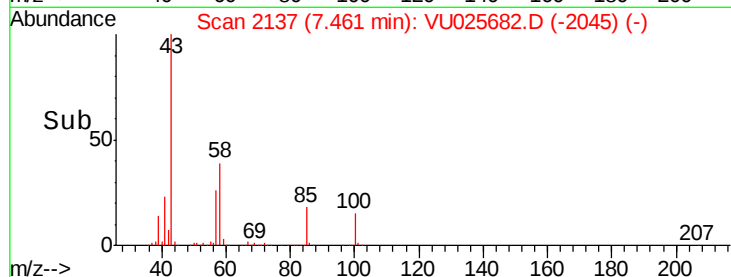
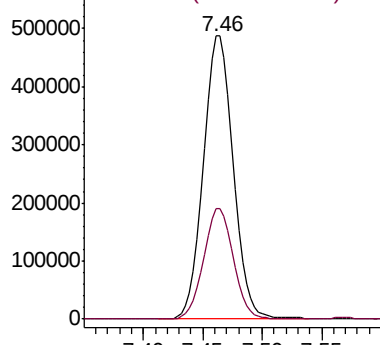
43 100

58 39.2 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.29 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025682.D

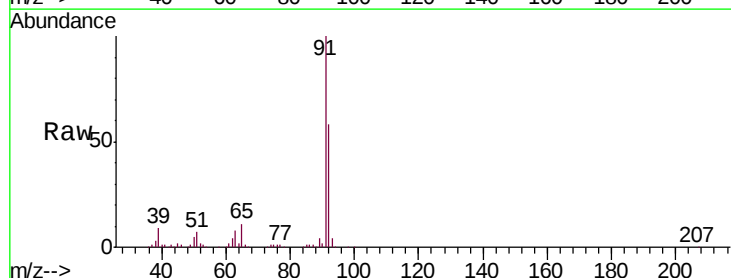
Acq: 27 Jul 2018 20:23

Tgt Ion: 92 Resp: 277835

Ion Ratio Lower Upper

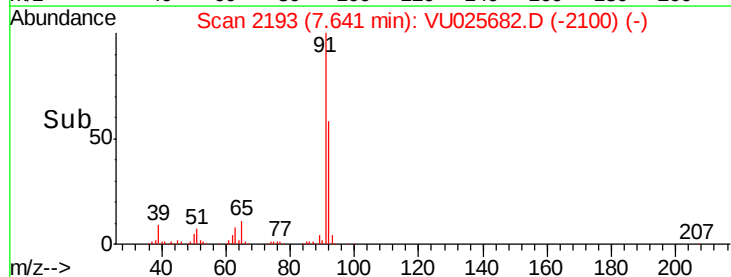
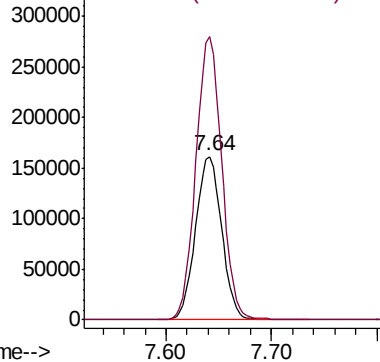
92 100

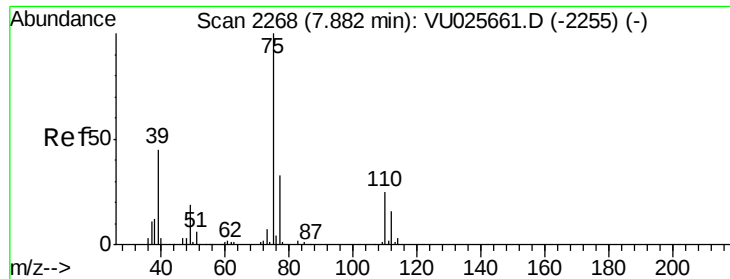
91 170.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 48.70 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

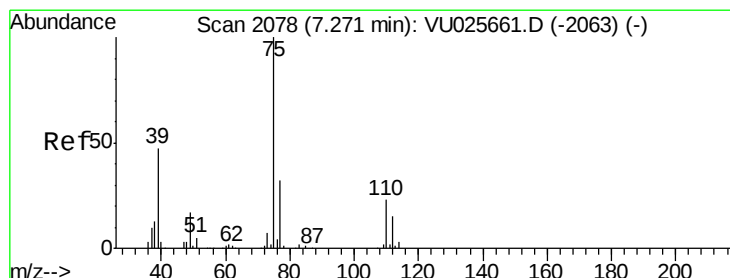
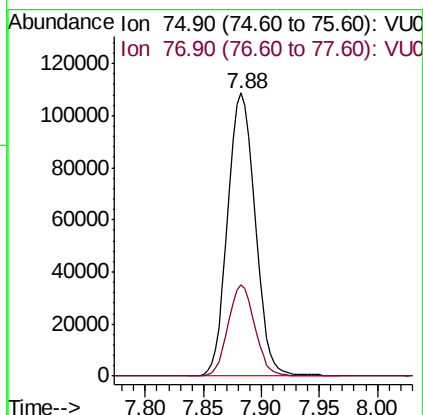
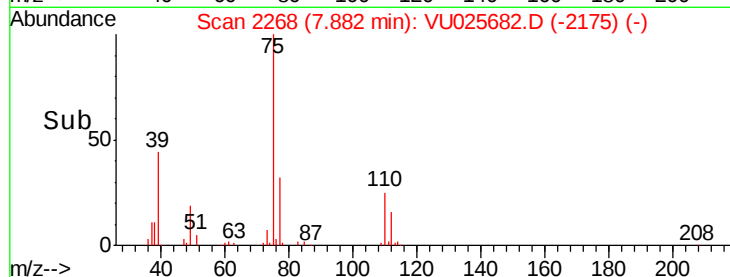
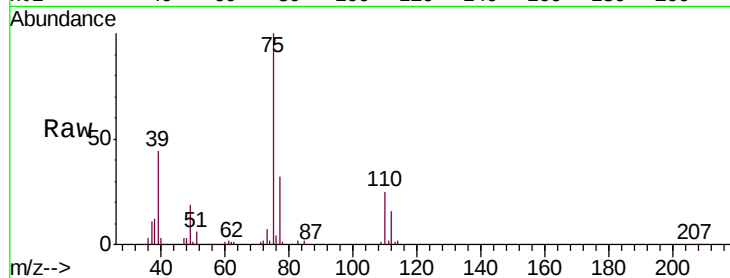
VSTDCCC050EC

Tot Ion: 75 Resp: 178808

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 48.56 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

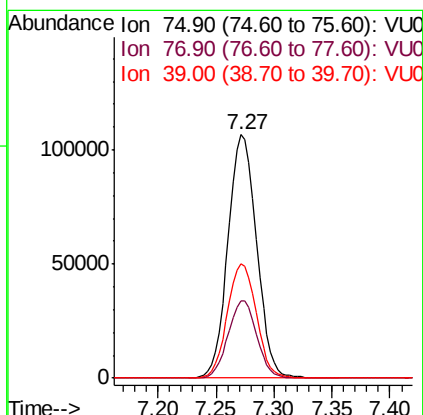
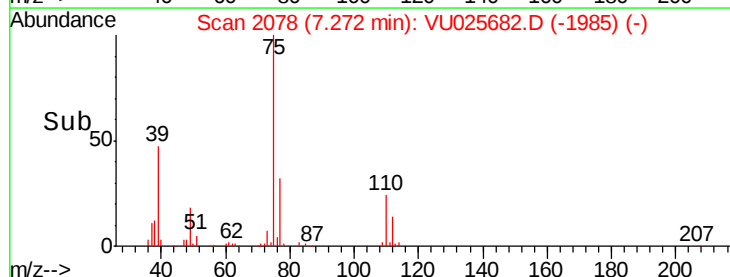
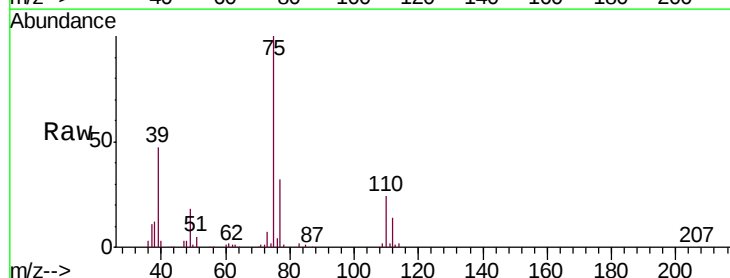
Tgt Ion: 75 Resp: 183155

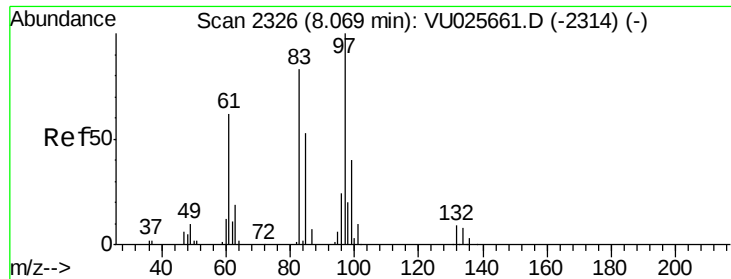
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 47.0 40.0 60.0

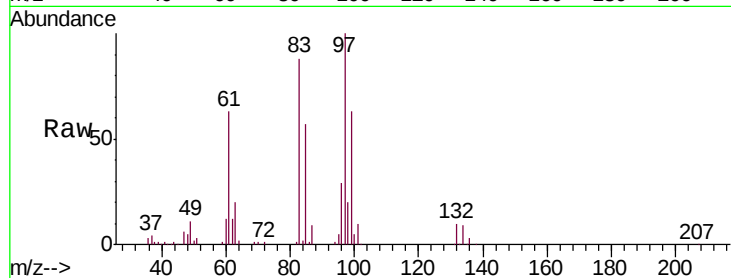




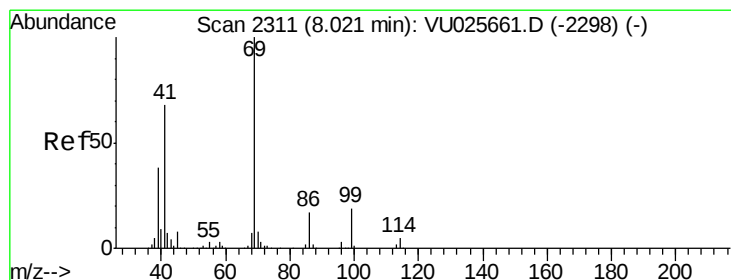
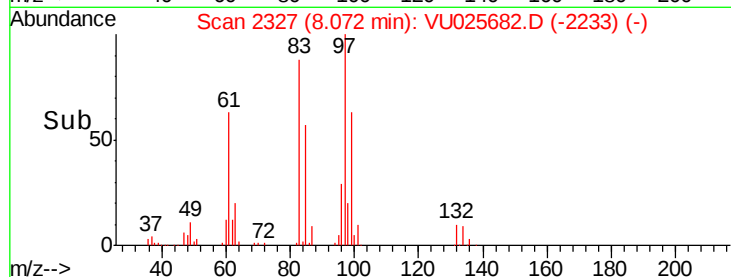
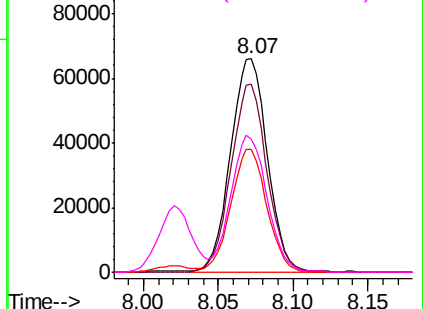
#55
 1,1,2-Trichloroethane
 Concen: 47.93 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	112261
Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.9	103.3
85	57.4	44.4	66.6
99	62.8	51.0	76.4

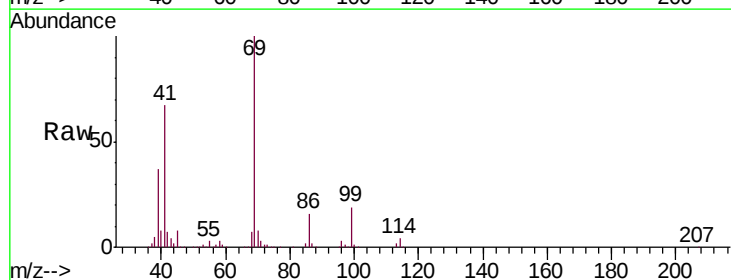


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

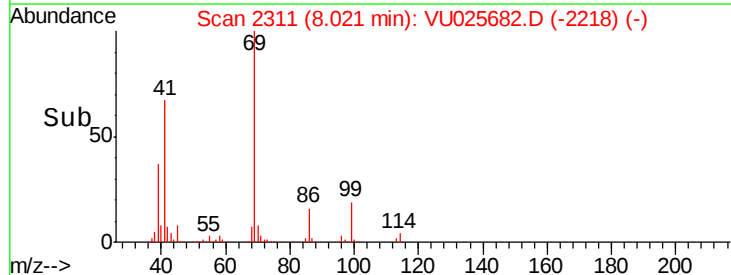
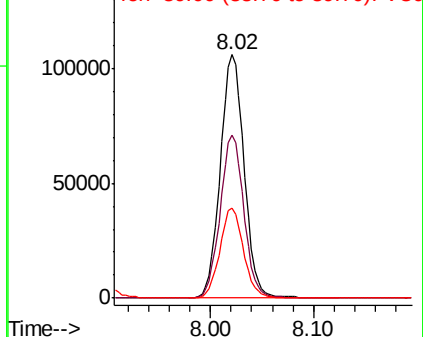


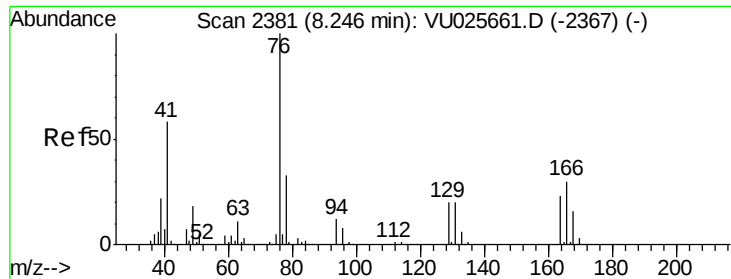
#56
 Ethyl methacrylate
 Concen: 50.93 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion:	69	Resp:	170440
Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.8	82.2
39	36.3	31.1	46.7



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

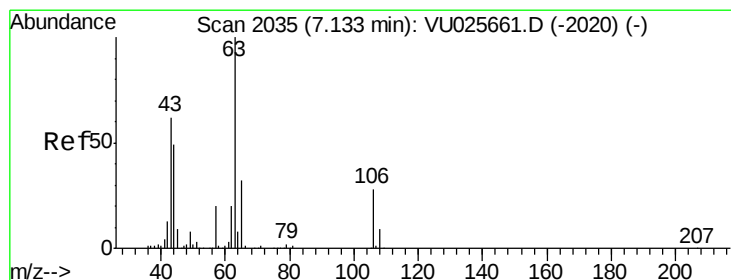
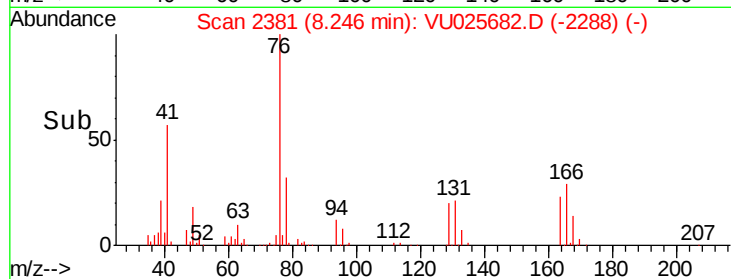
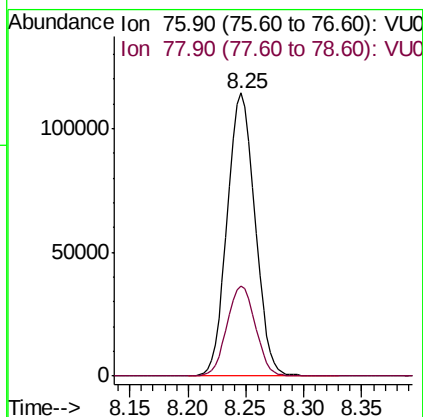
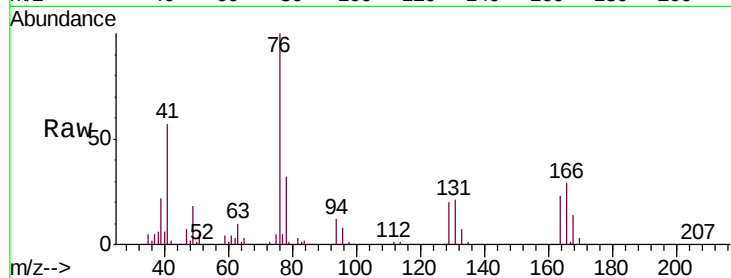




#57
 1,3-Dichloropropane
 Concen: 48.22 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

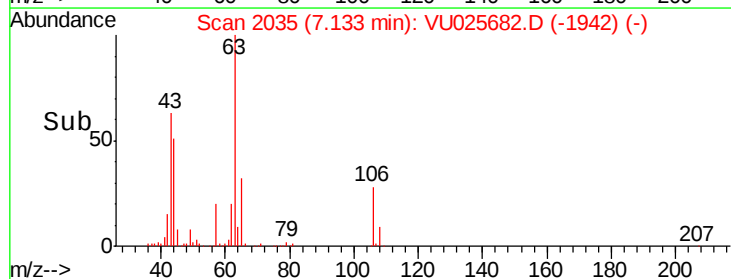
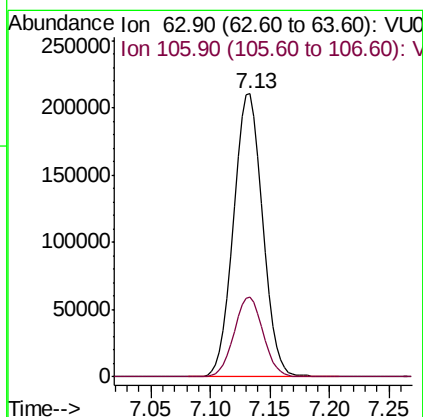
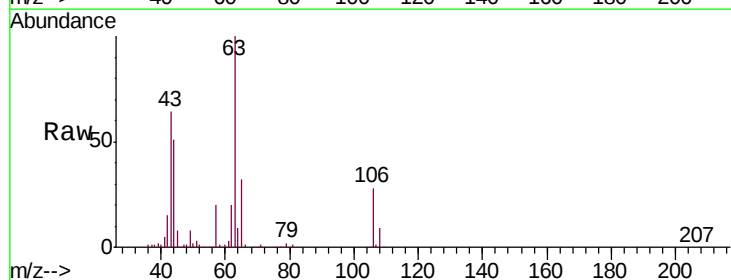
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

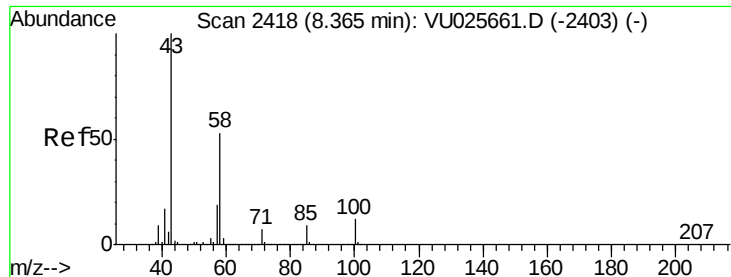
Tot Ion: 76 Resp: 189941
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.72 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion: 63 Resp: 358157
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5

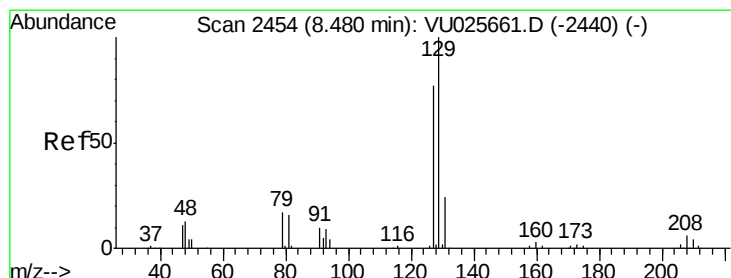
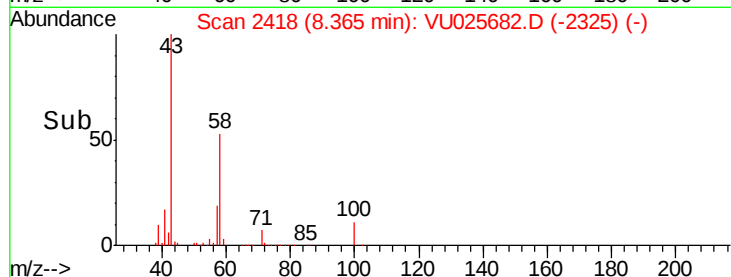
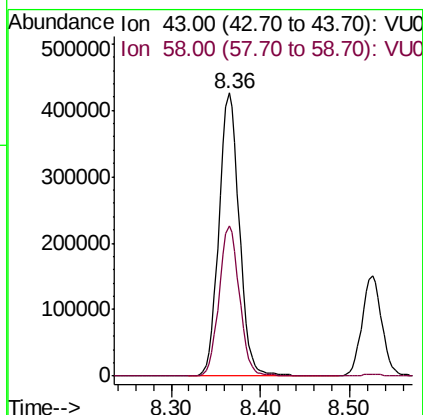
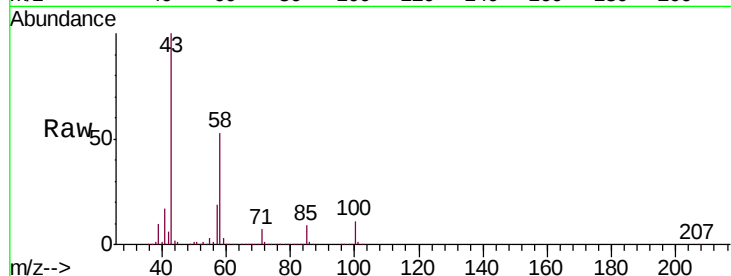




#59
2-Hexanone
Concen: 258.24 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

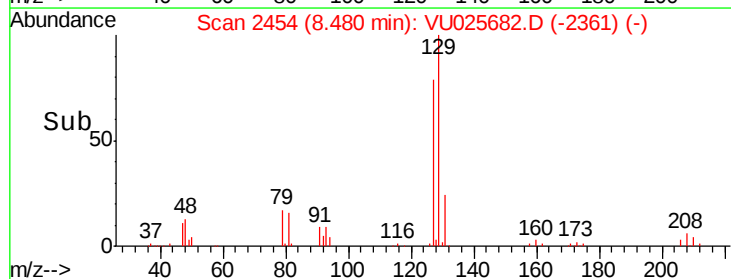
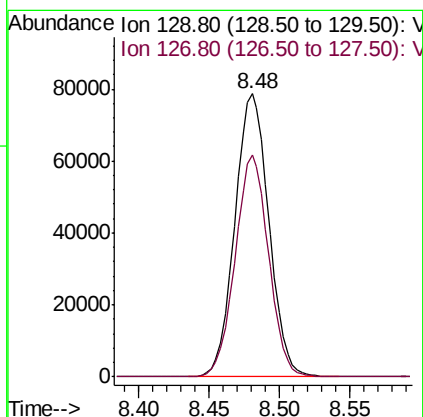
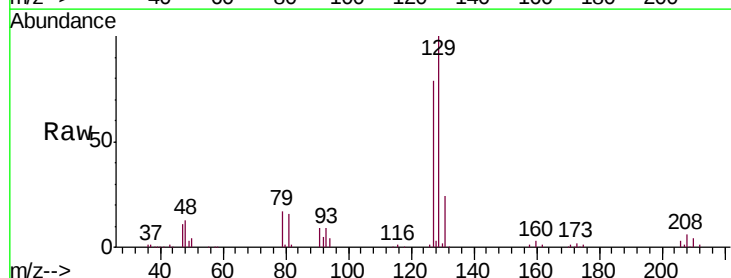
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

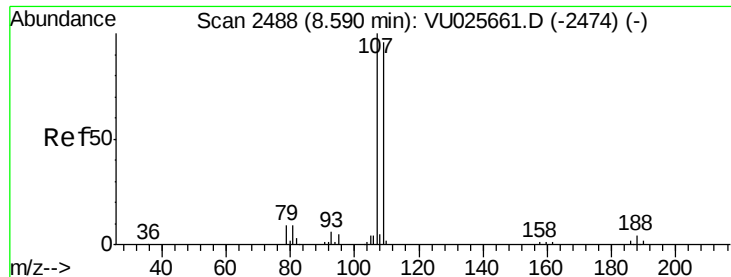
Tot Ion: 43 Resp: 673986
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.5



#60
Dibromochloromethane
Concen: 48.20 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 129 Resp: 133142
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.63 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

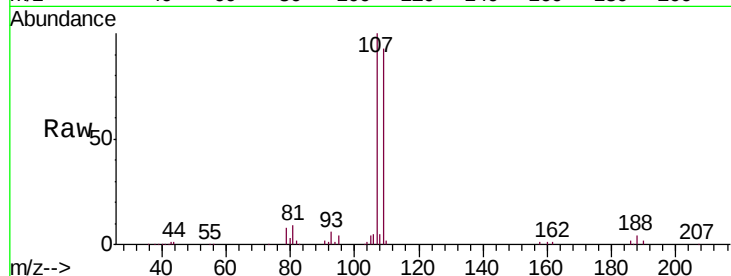
VSTDCCC050EC

Tot Ion:107 Resp: 126674

Ion Ratio Lower Upper

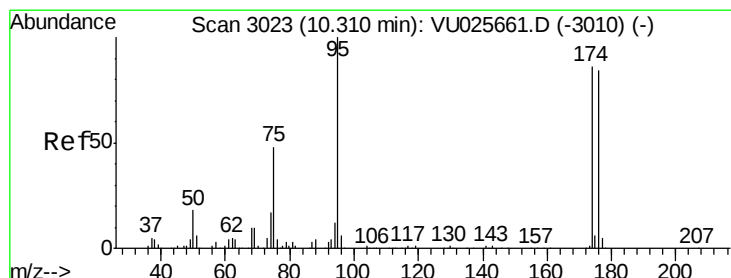
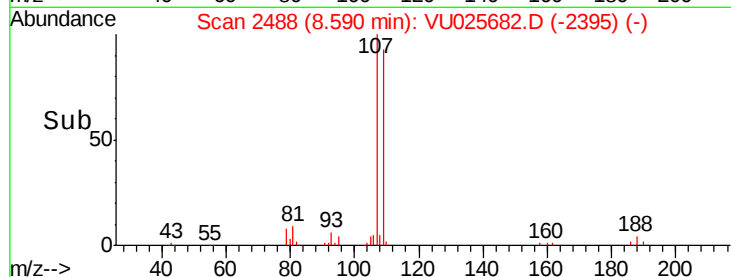
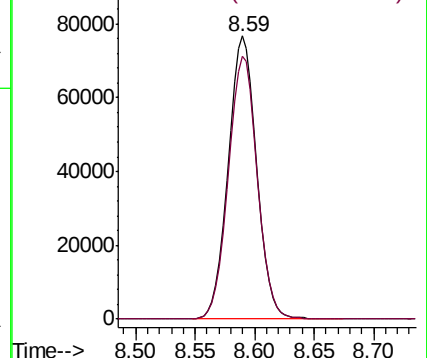
107 100

109 94.7 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.82 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

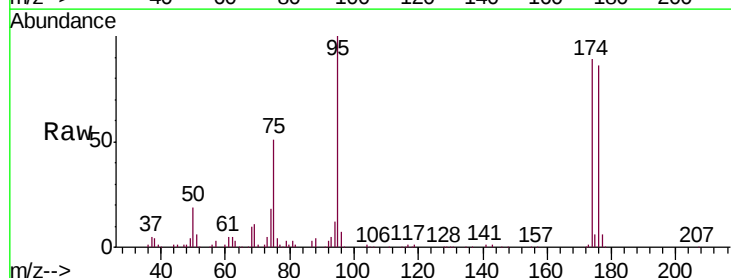
Tgt Ion: 95 Resp: 156306

Ion Ratio Lower Upper

95 100

174 89.2 0.0 172.2

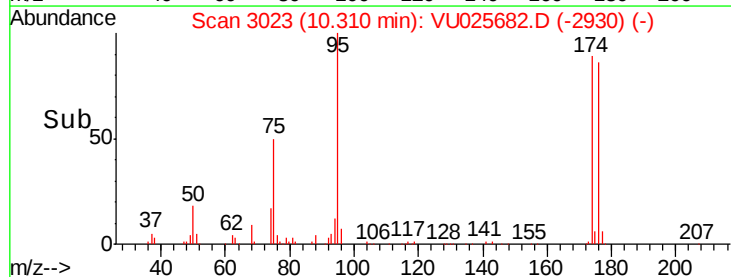
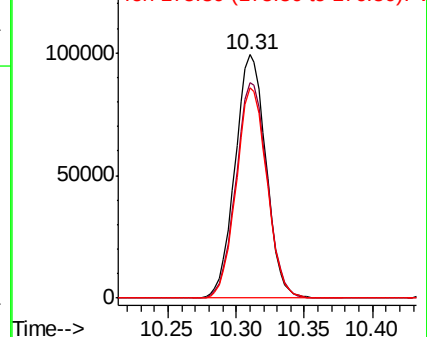
176 86.0 0.0 162.6

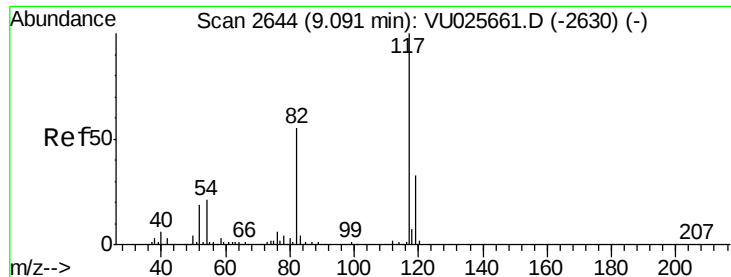


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

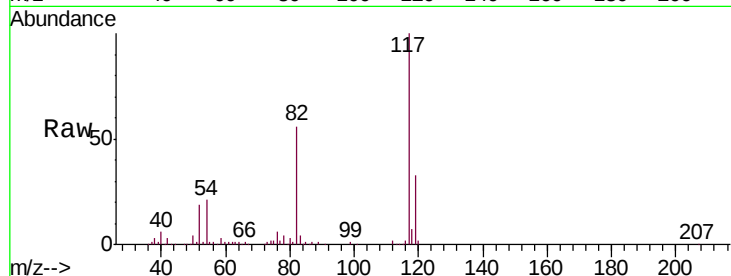




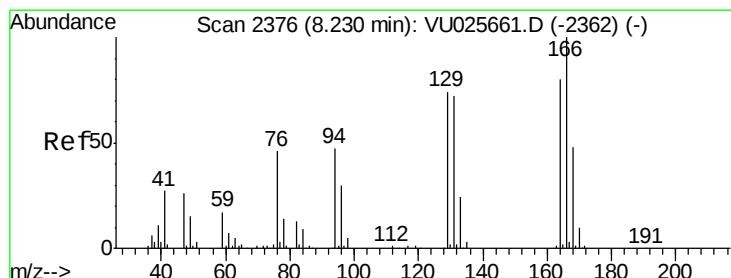
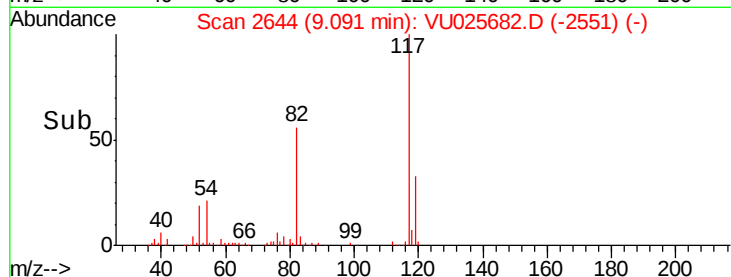
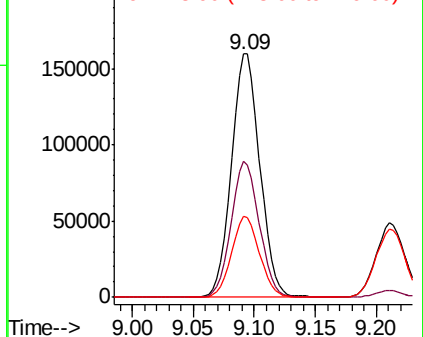
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 259106
Ion Ratio Lower Upper
117 100
82 55.9 46.0 69.0
119 33.0 26.0 39.0

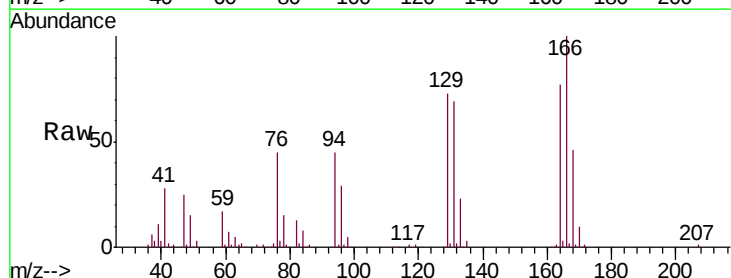


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

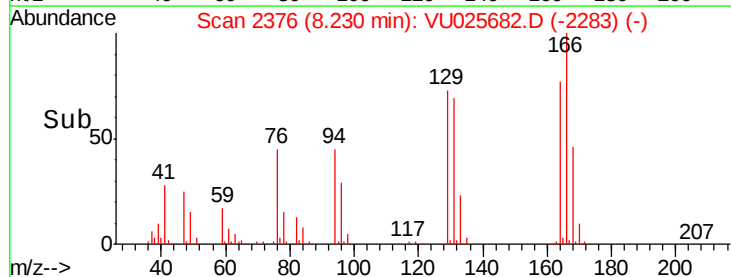
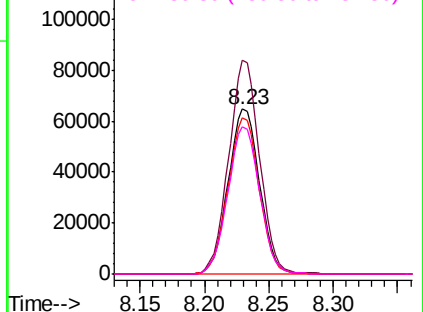


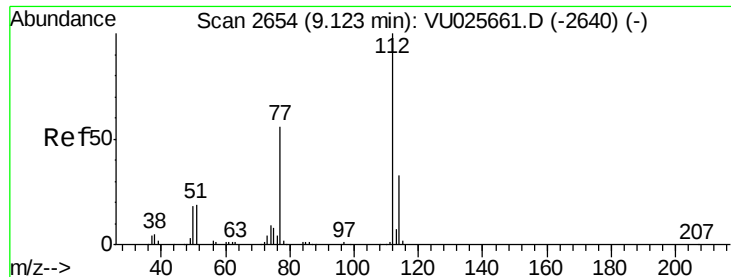
#64
Tetrachloroethene
Concen: 48.10 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion:164 Resp: 109707
Ion Ratio Lower Upper
164 100
166 129.5 101.1 151.7
129 94.5 73.0 109.6
131 89.6 72.1 108.1



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





#65

Chlorobenzene

Concen: 47.71 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

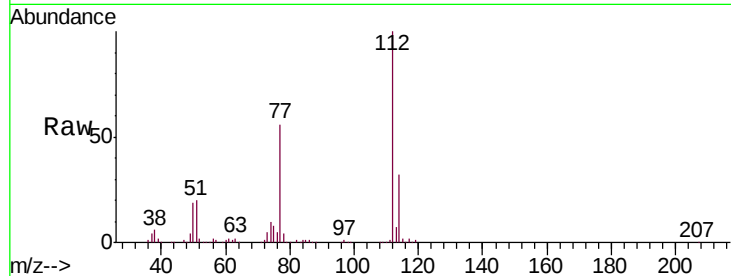
VSTDCCC050EC

Tot Ion:112 Resp: 318699

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

200000

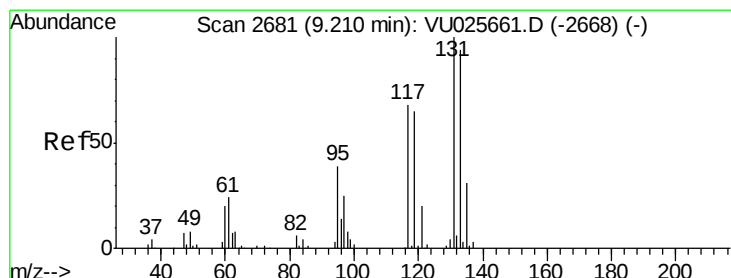
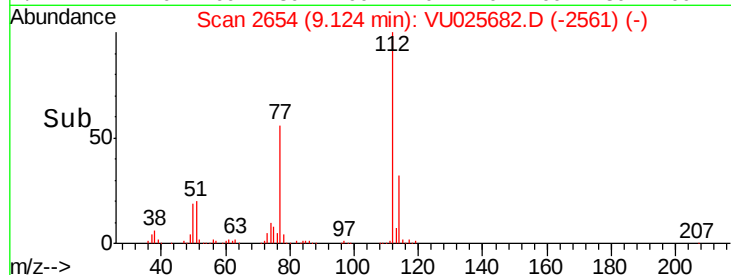
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.14 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

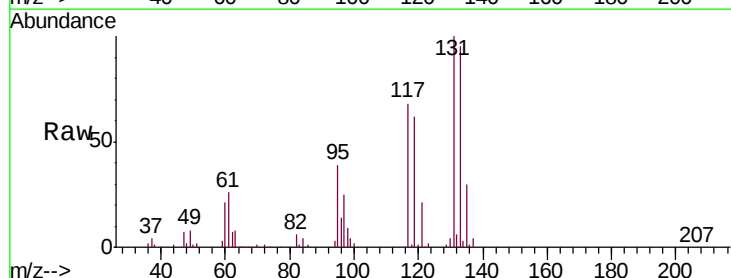
Tgt Ion:131 Resp: 118764

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

119 62.4 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

100000

80000

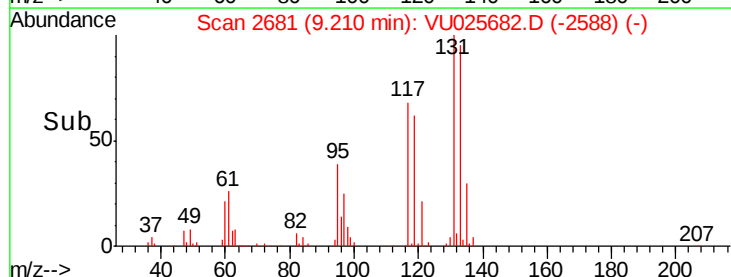
60000

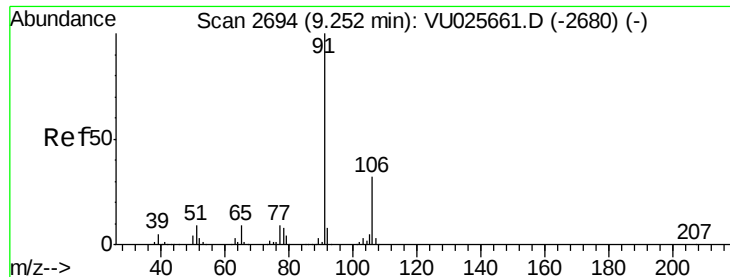
40000

20000

0

Time-->

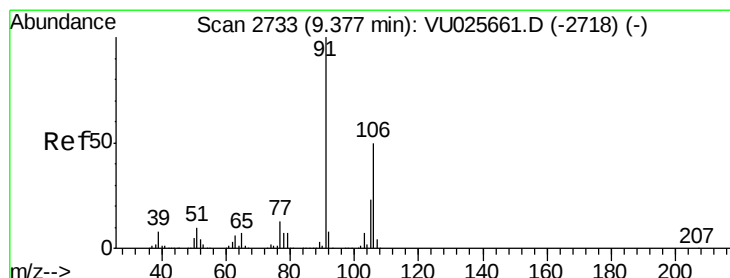
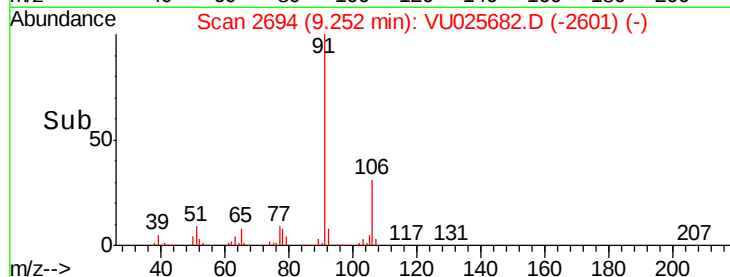
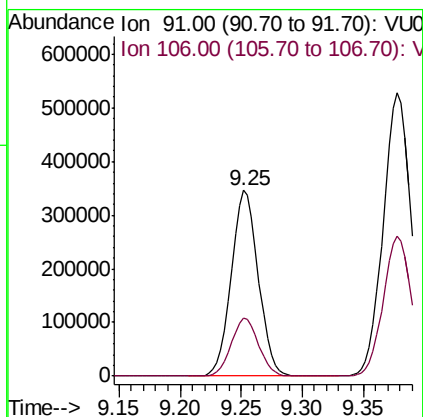
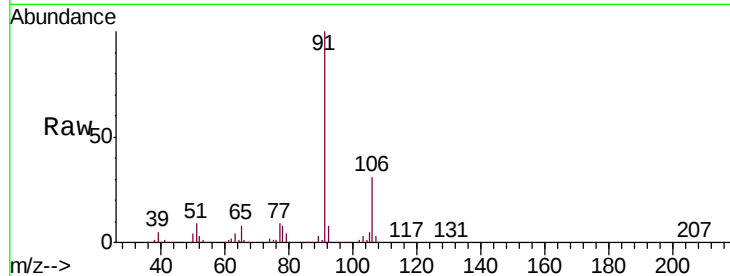




#67
Ethyl Benzene
Concen: 48.35 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

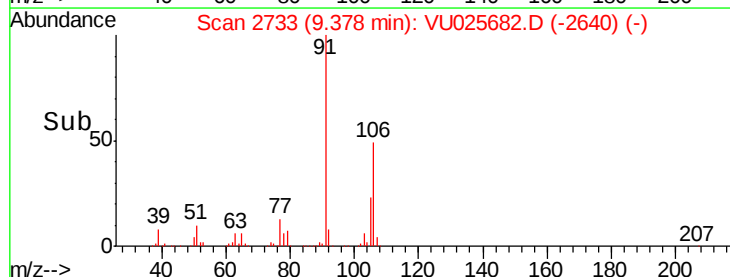
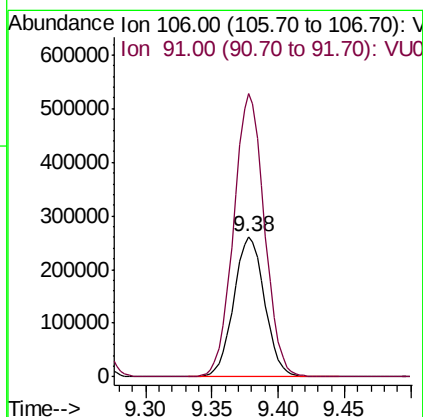
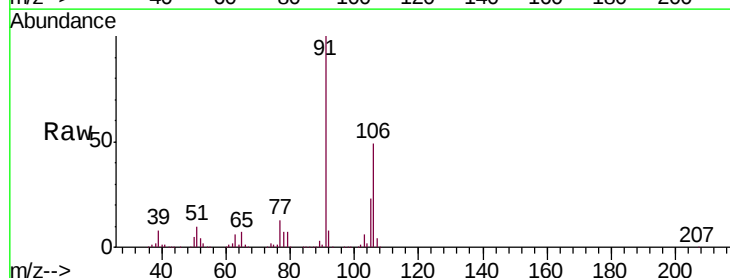
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

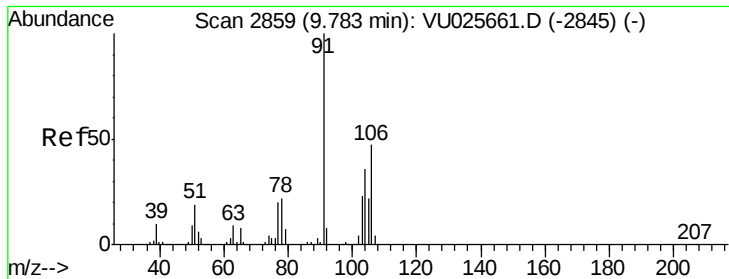
Tot Ion: 91 Resp: 535042
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9



#68
m/p-Xylenes
Concen: 99.38 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 106 Resp: 422193
Ion Ratio Lower Upper
106 100
91 201.3 162.3 243.5

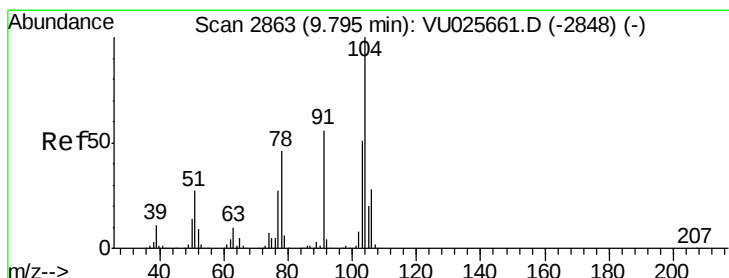
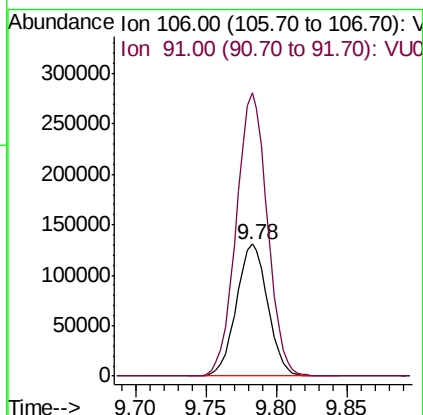
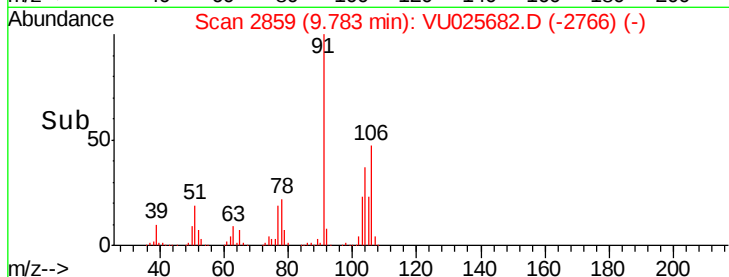
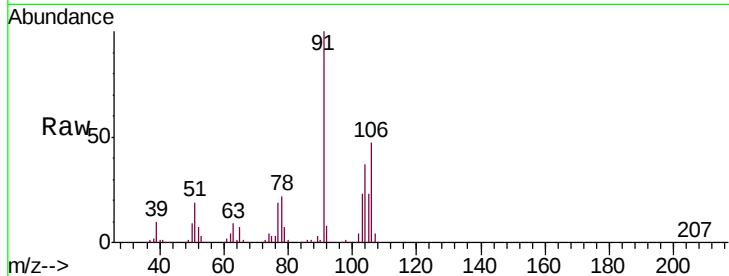




#69
o-Xylene
Concen: 49.14 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

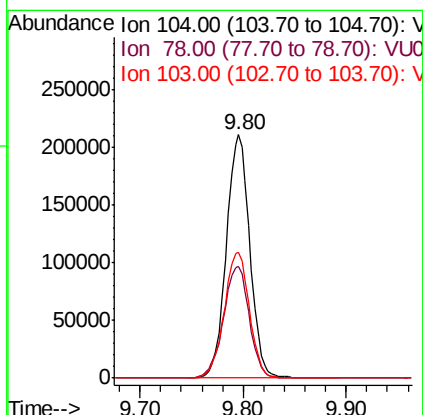
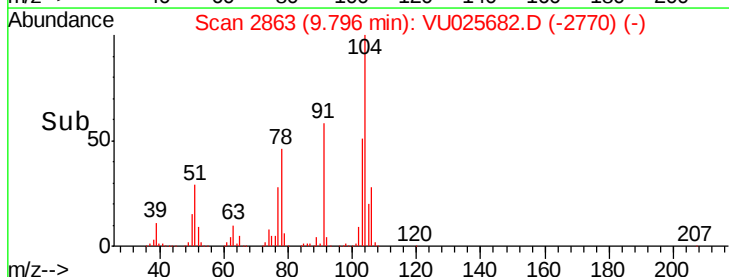
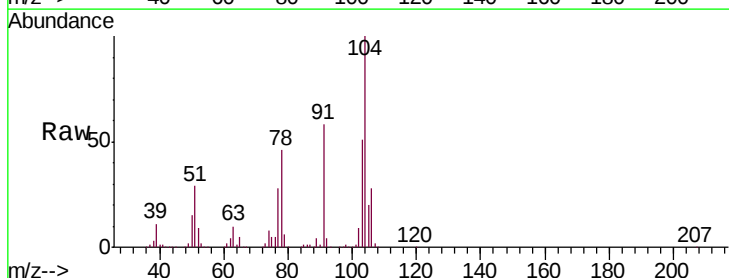
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

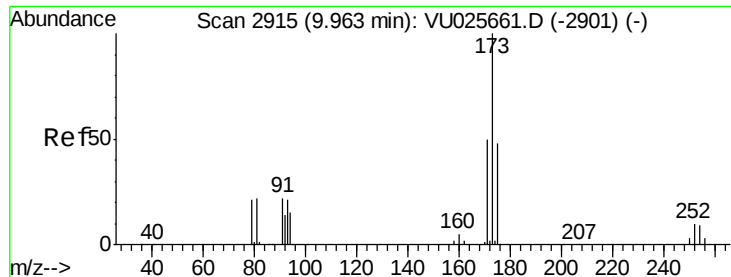
Tot Ion:106 Resp: 204017
Ion Ratio Lower Upper
106 100
91 213.0 105.3 315.8



#70
Styrene
Concen: 49.95 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion:104 Resp: 335006
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 55.4 44.6 66.8





#71

Bromoform

Concen: 49.29 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

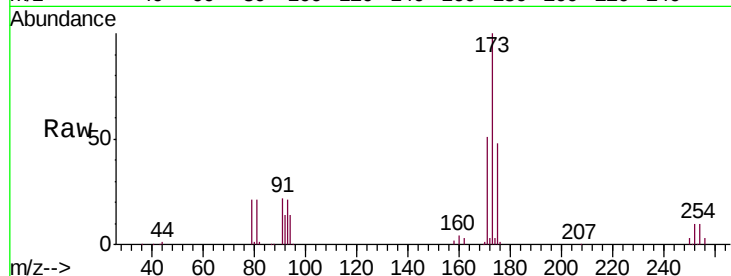
Tot Ion:173 Resp: 103286

Ion Ratio Lower Upper

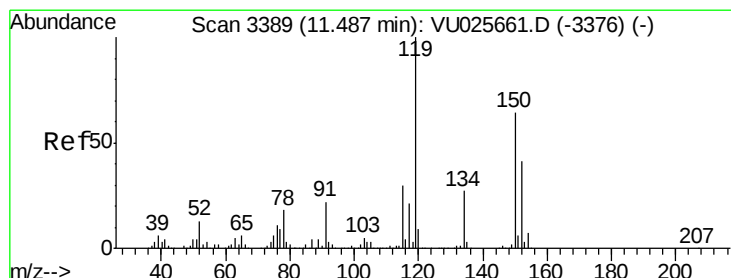
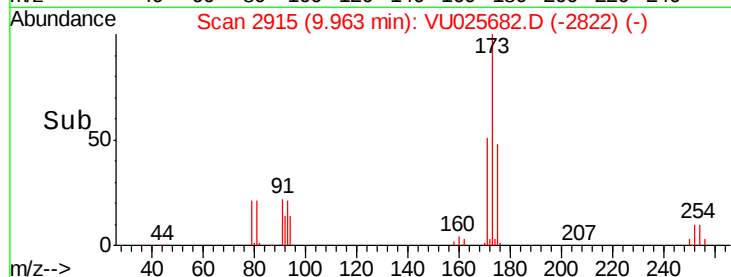
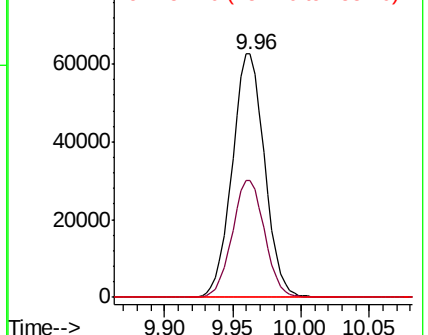
173 100

175 48.0 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

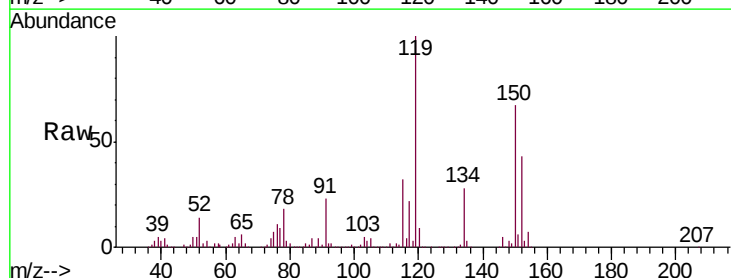
Tgt Ion:152 Resp: 166753

Ion Ratio Lower Upper

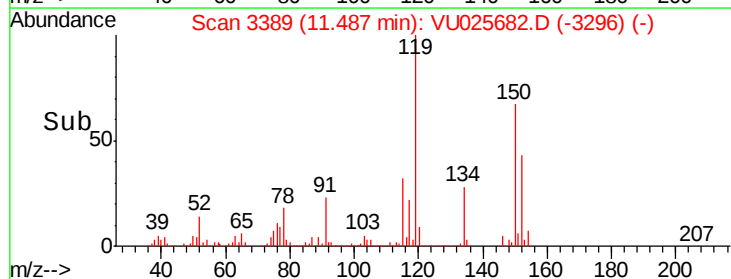
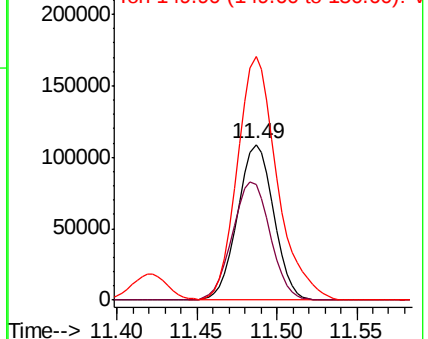
152 100

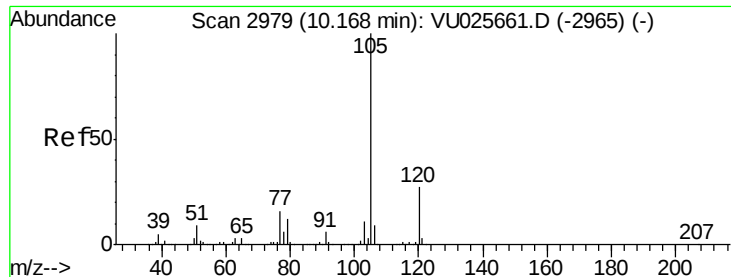
115 80.1 40.1 120.3

150 172.9 0.0 351.4



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





#73

Isopropylbenzene

Concen: 48.57 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

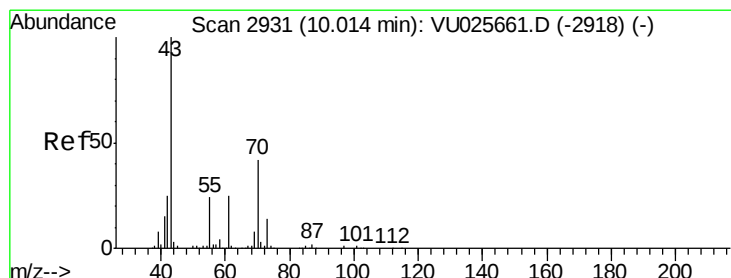
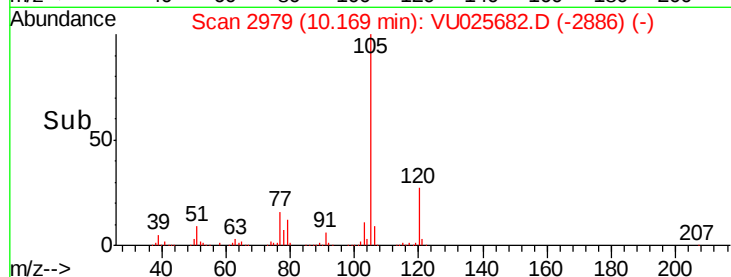
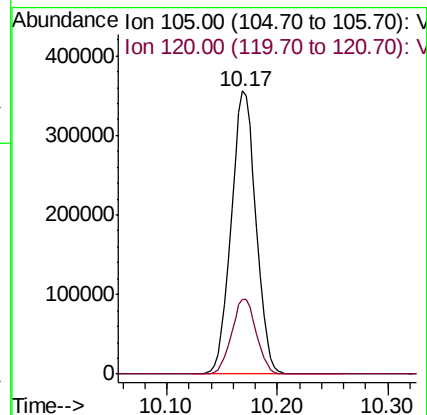
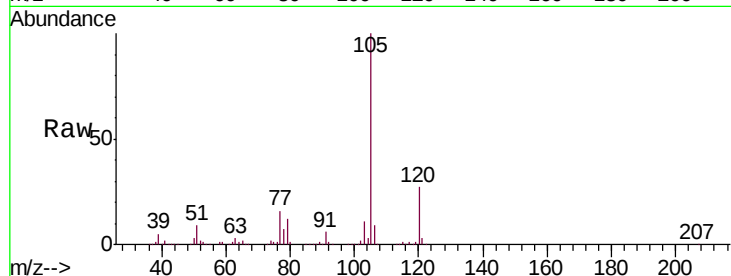
VSTDCCC050EC

Tot Ion:105 Resp: 552811

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 50.36 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion: 43 Resp: 233986

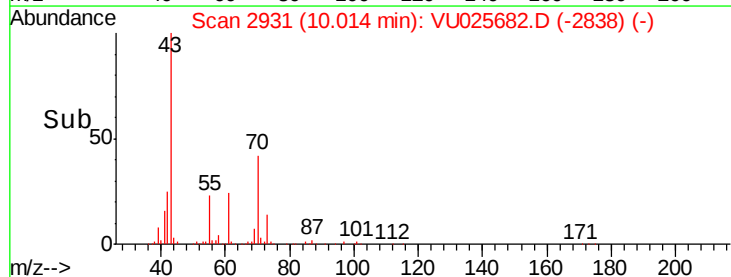
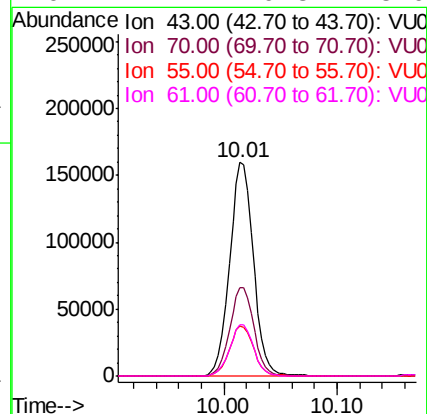
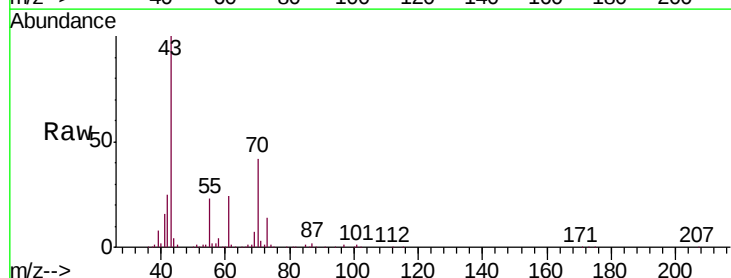
Ion Ratio Lower Upper

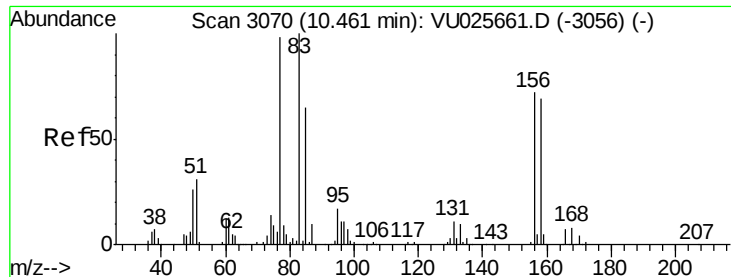
43 100

70 42.0 33.4 50.2

55 24.0 19.0 28.6

61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.71 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

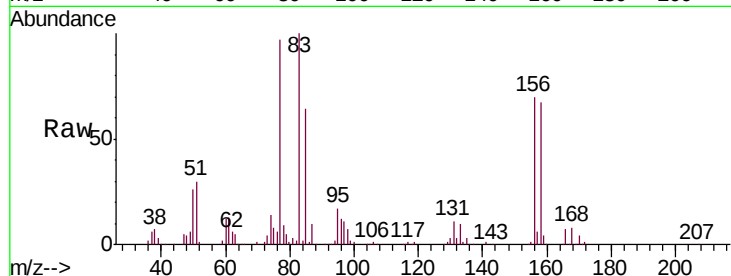
Tot Ion: 83 Resp: 187767

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

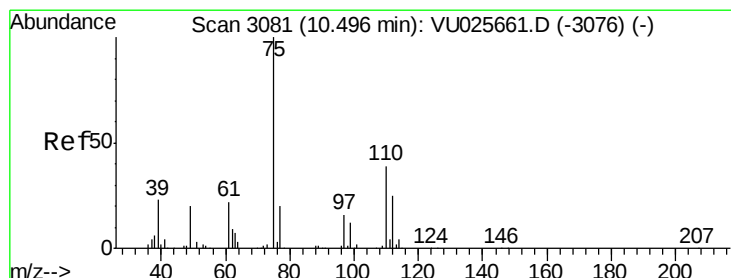
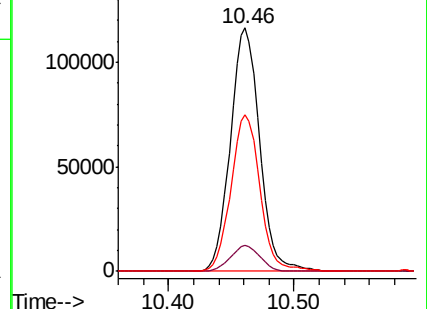
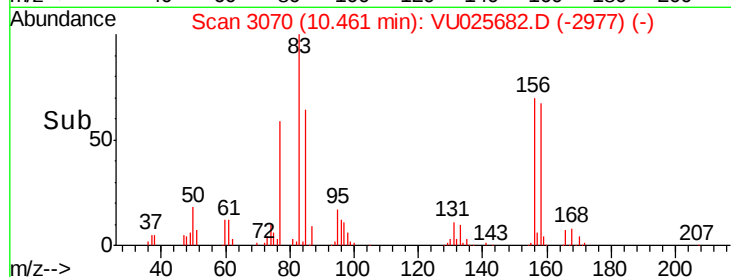
85 64.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025682.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025682.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025682.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 59.70 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025682.D

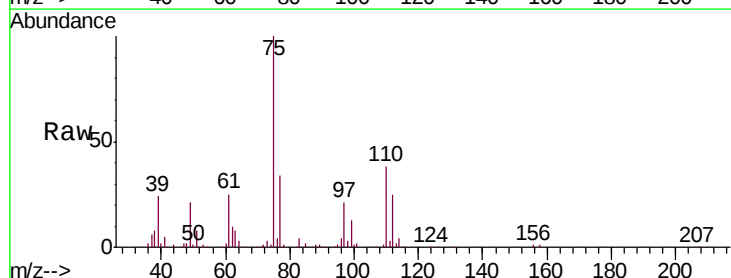
Acq: 27 Jul 2018 20:23

Tgt Ion: 75 Resp: 219328

Ion Ratio Lower Upper

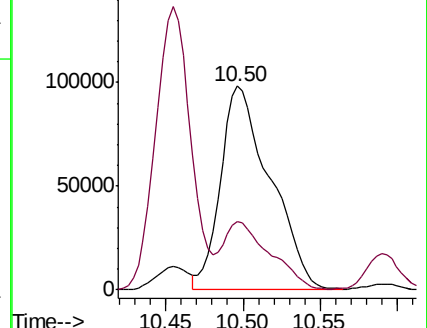
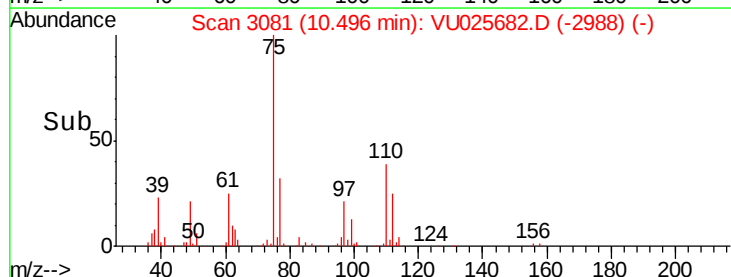
75 100

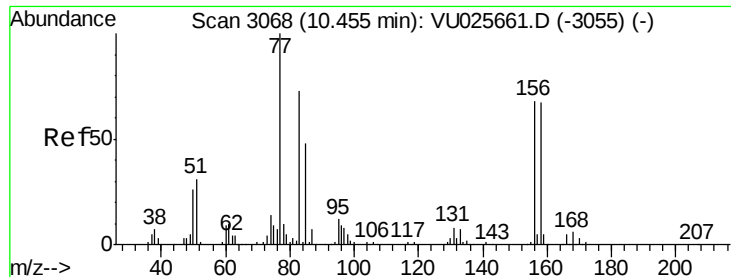
77 31.9 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025682.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025682.D (-2988) (-)





#77

Bromobenzene

Concen: 47.57 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

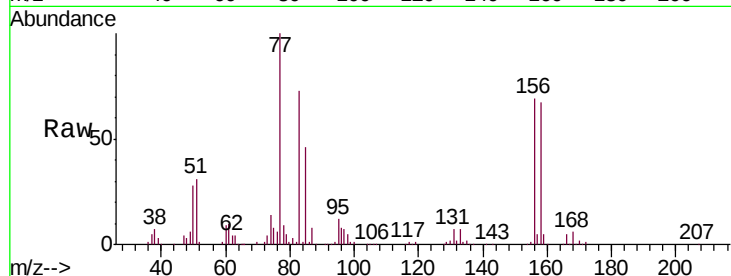
Tot Ion:156 Resp: 149323

Ion Ratio Lower Upper

156 100

77 144.9 73.8 221.4

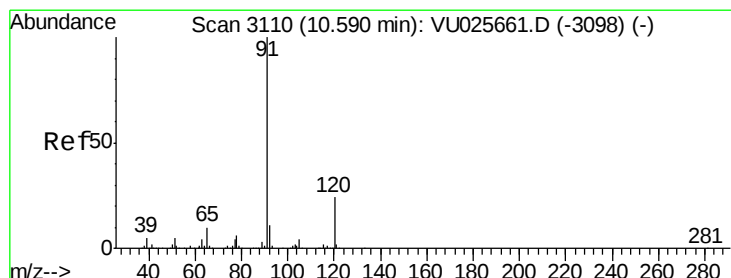
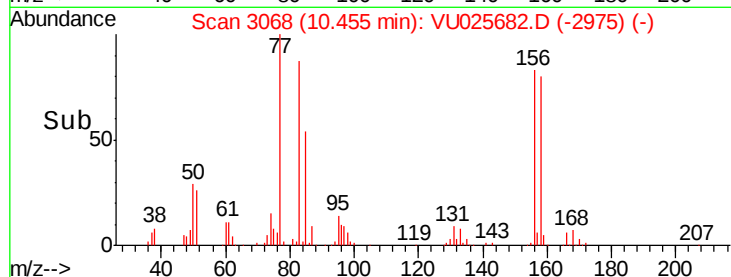
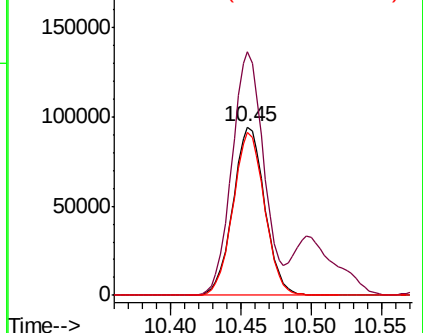
158 96.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.85 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025682.D

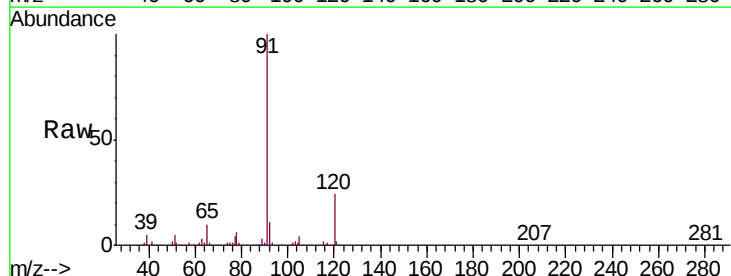
Acq: 27 Jul 2018 20:23

Tgt Ion: 91 Resp: 648956

Ion Ratio Lower Upper

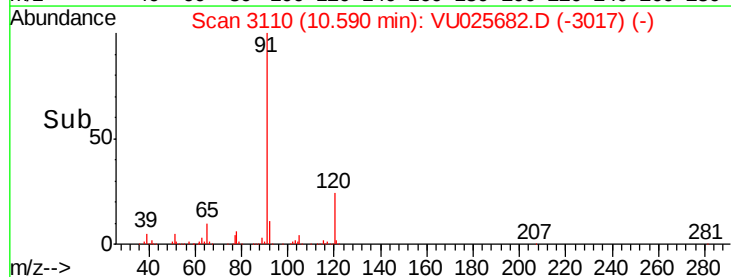
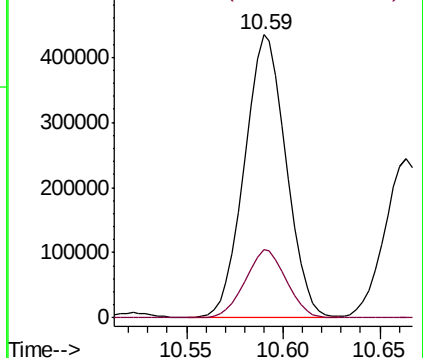
91 100

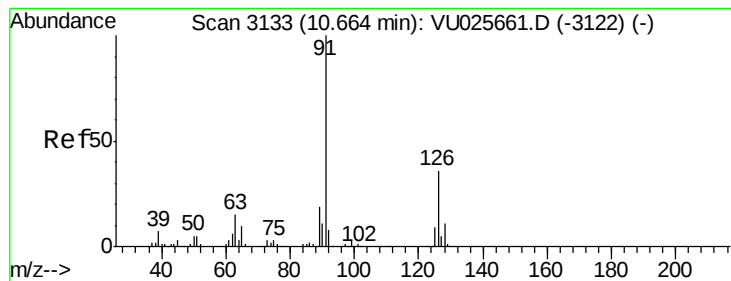
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.60 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

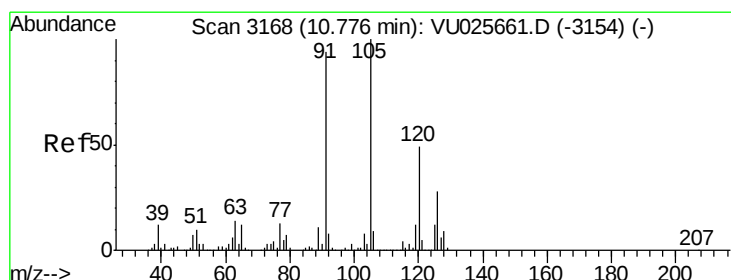
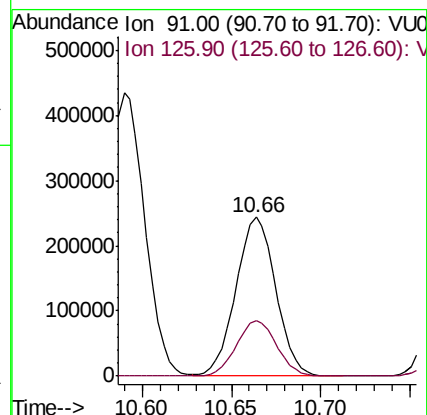
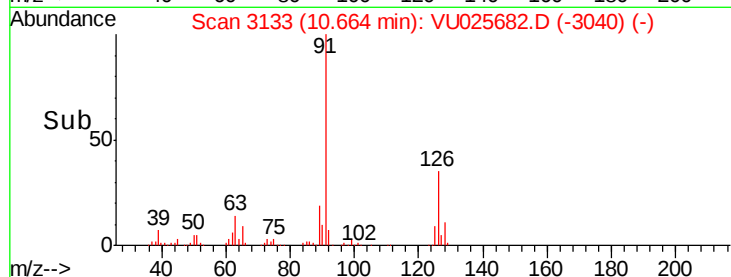
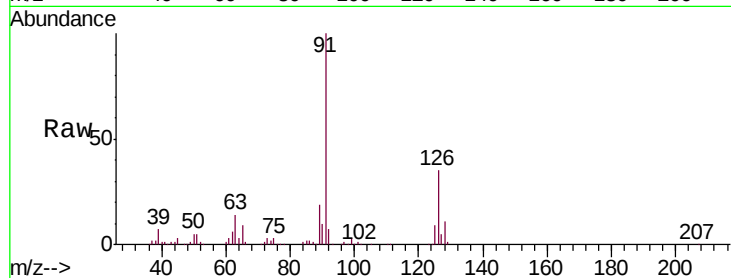
VSTDCCC050EC

Tot Ion: 91 Resp: 378132

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 49.32 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025682.D

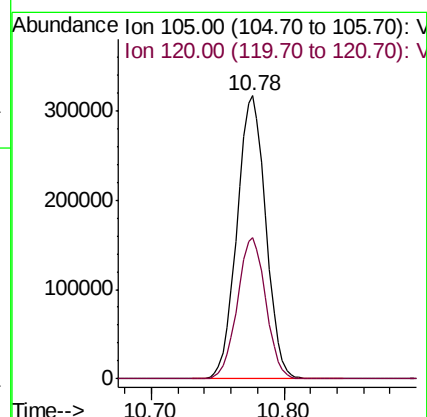
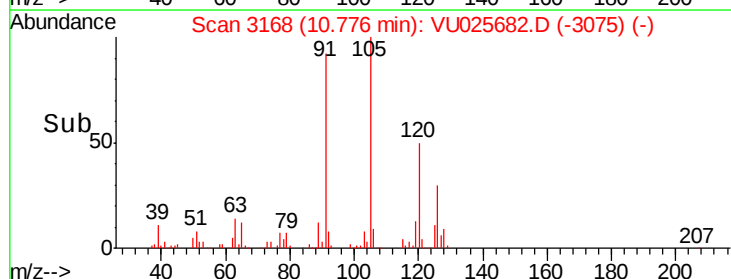
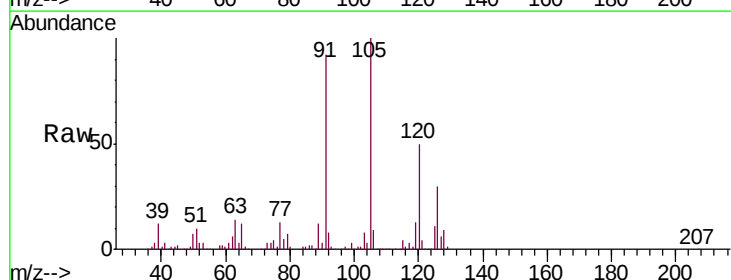
Acq: 27 Jul 2018 20:23

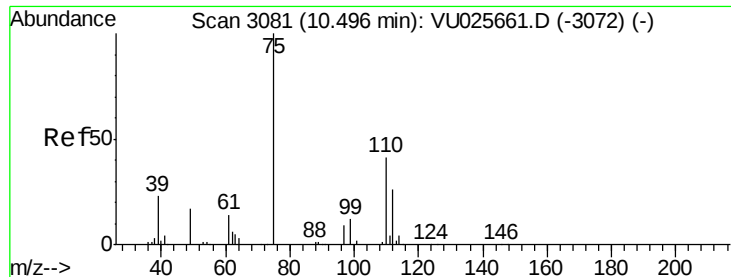
Tgt Ion: 105 Resp: 476734

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2

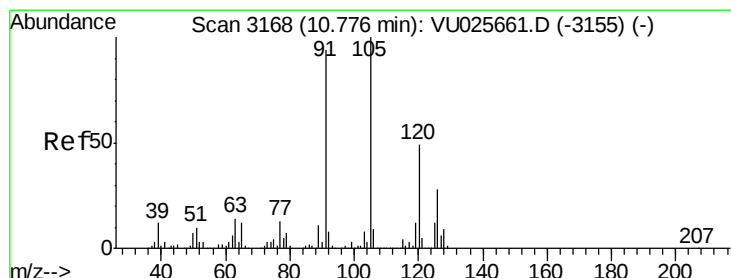
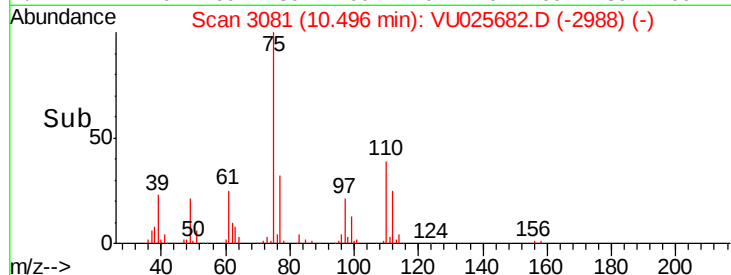
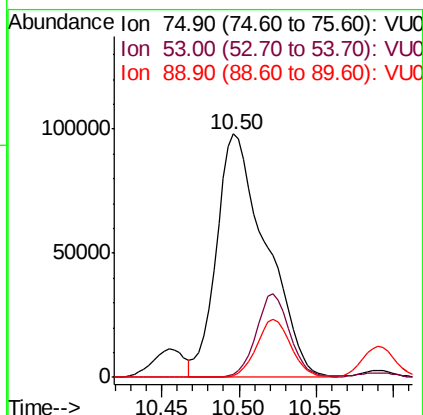
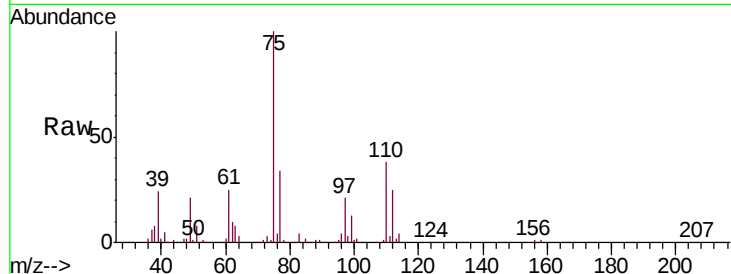




#81
trans-1,4-Dichloro-2-butene
Concen: 149.69 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

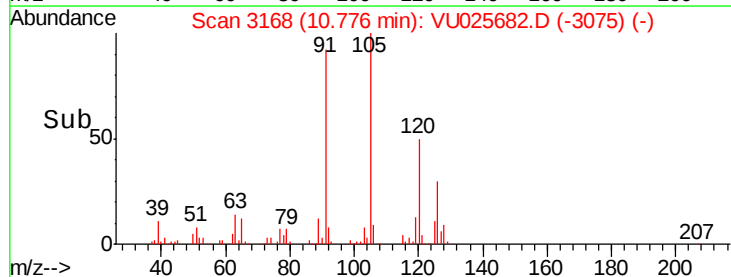
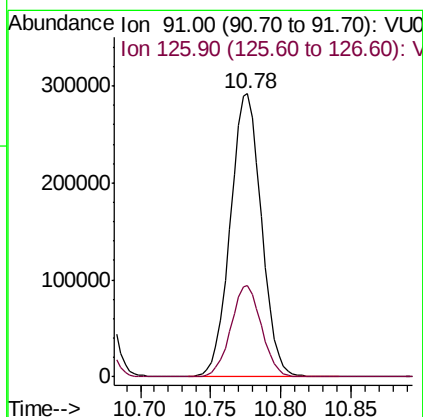
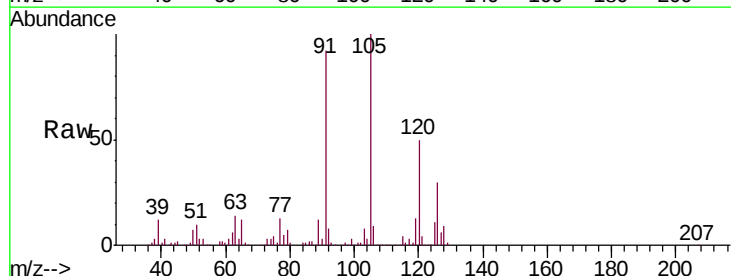
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

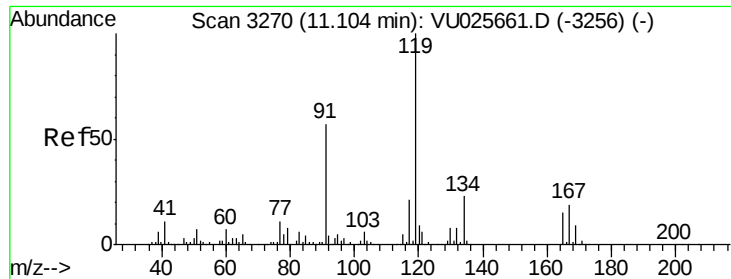
Tot Ion: 75 Resp: 219328
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 49.05 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 91 Resp: 449889
Ion Ratio Lower Upper
91 100
126 31.6 15.3 45.9

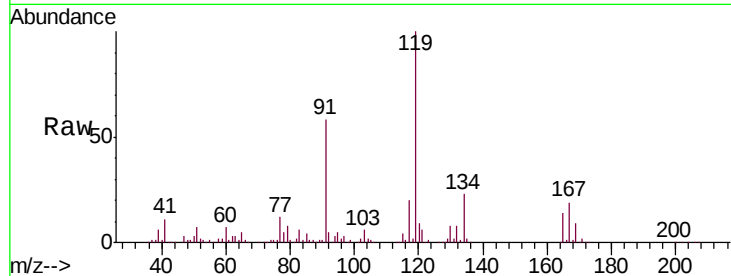




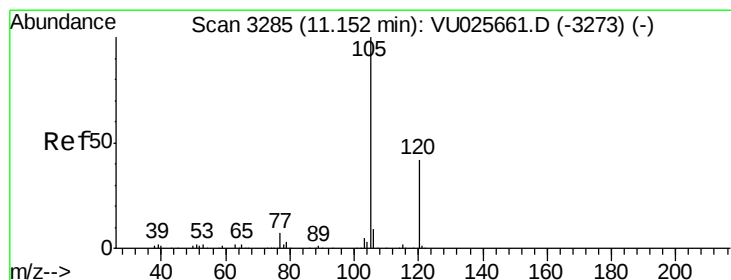
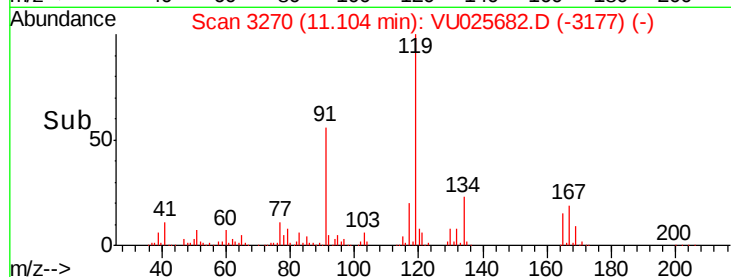
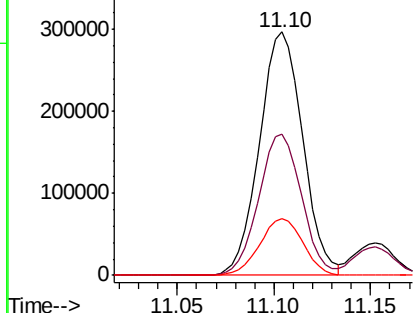
#83
tert-Butylbenzene
Concen: 48.12 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.7	89.1
134	23.3	11.5	34.5

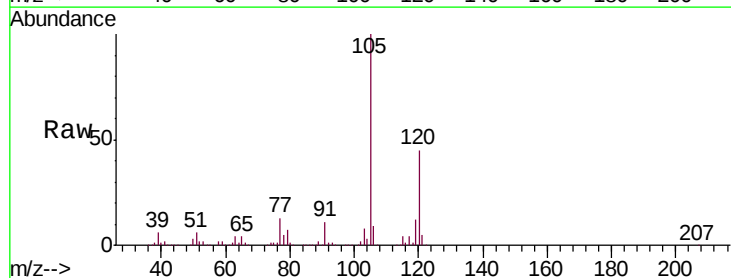


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

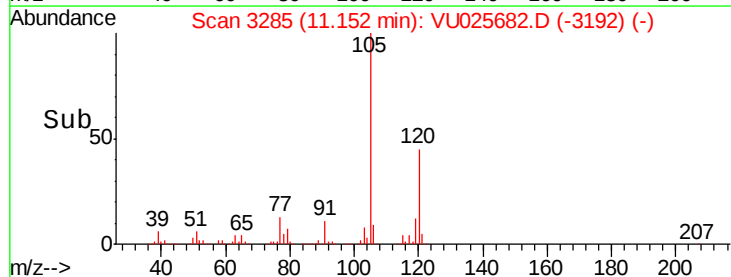
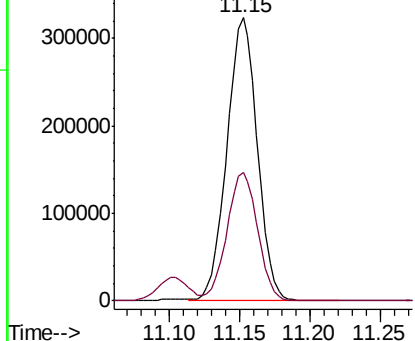


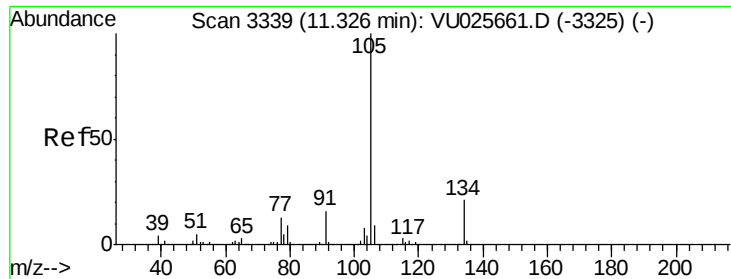
#84
1,2,4-Trimethylbenzene
Concen: 49.58 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8



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

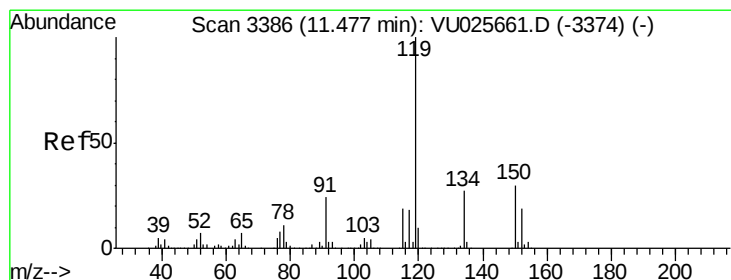
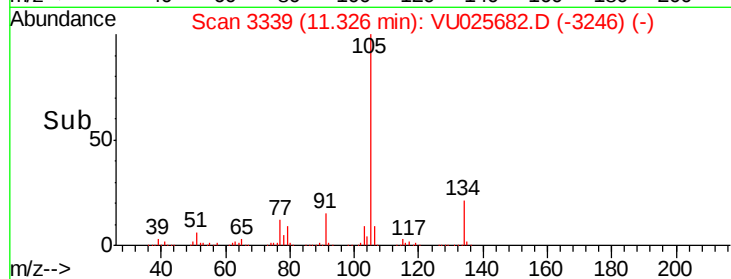
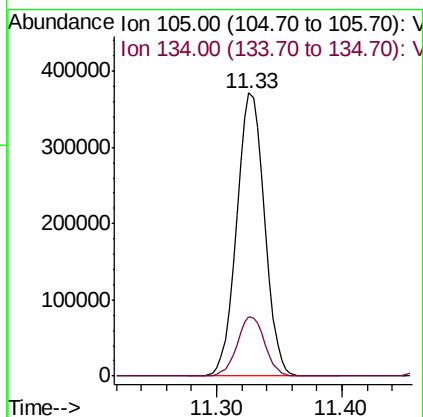
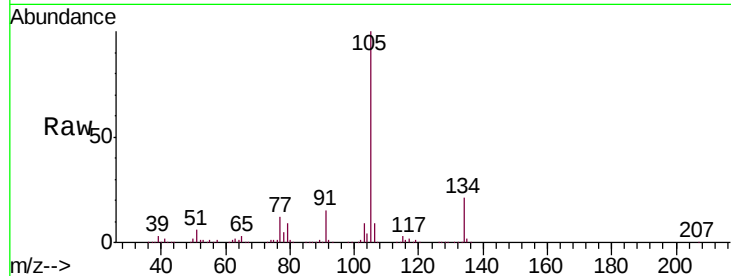




#85
 sec-Butylbenzene
 Concen: 48.78 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

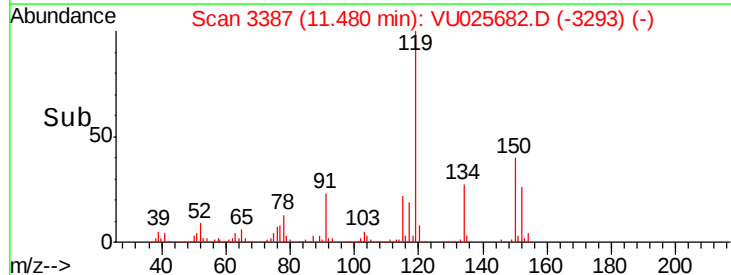
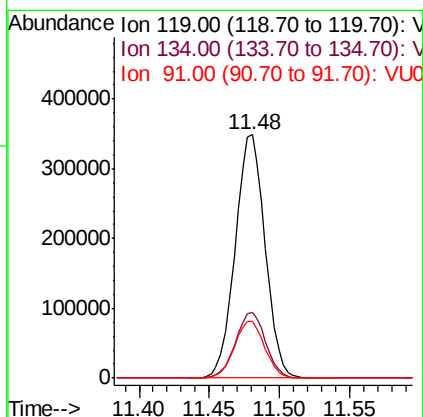
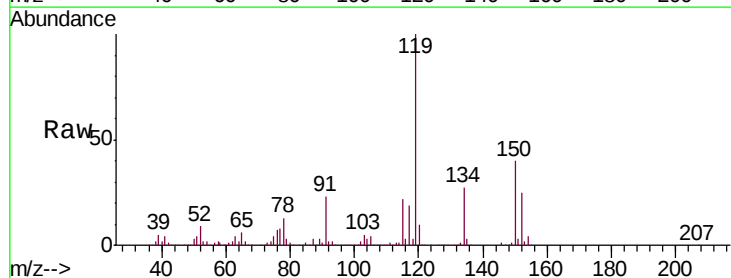
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

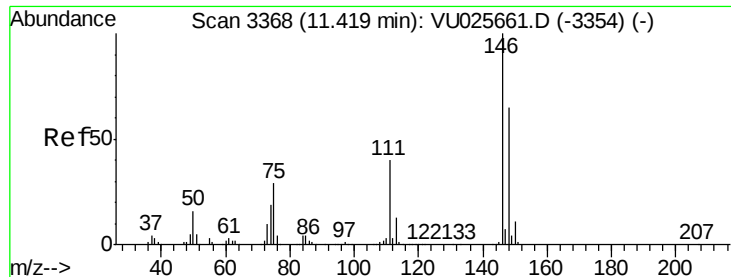
Tot Ion:105 Resp: 572007
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 49.22 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion:119 Resp: 516784
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.5
 91 23.7 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 47.71 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

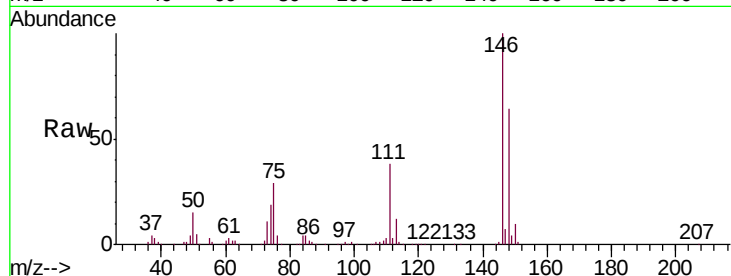
Tot Ion:146 Resp: 278014

Ion Ratio Lower Upper

146 100

111 38.5 19.7 59.1

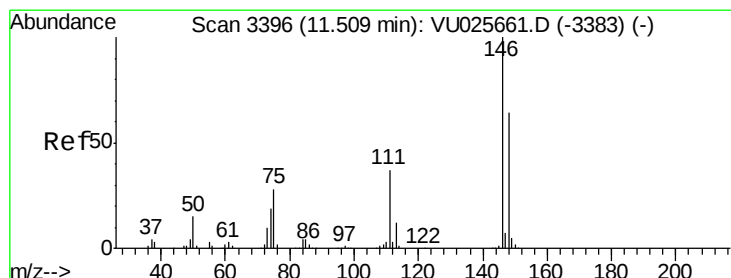
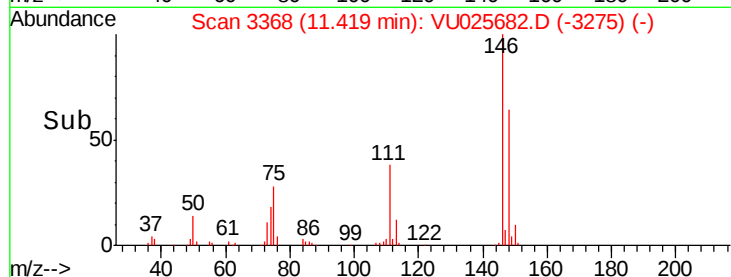
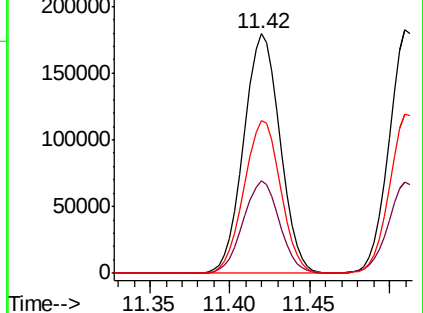
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.51 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

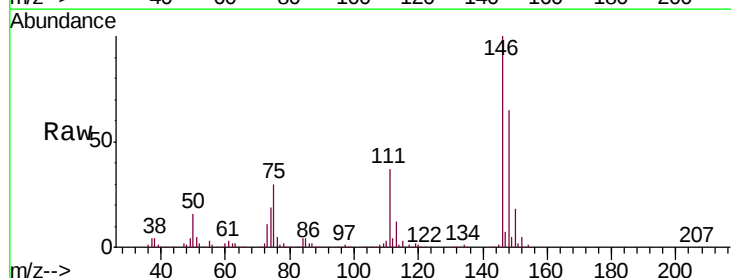
Tgt Ion:146 Resp: 282506

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.1

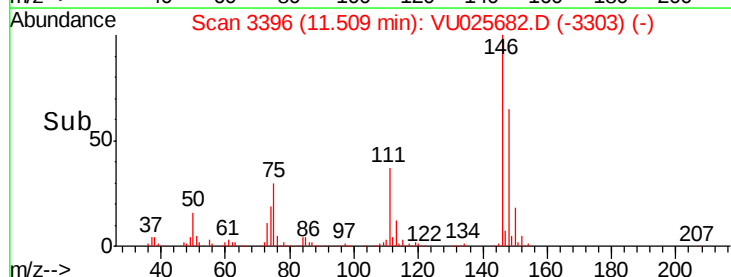
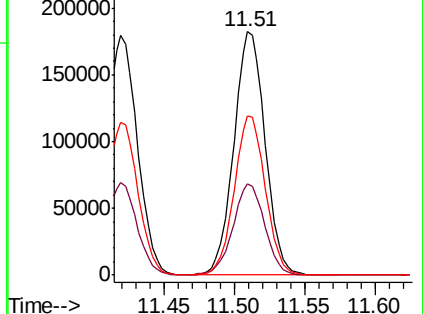
148 65.0 31.7 95.1

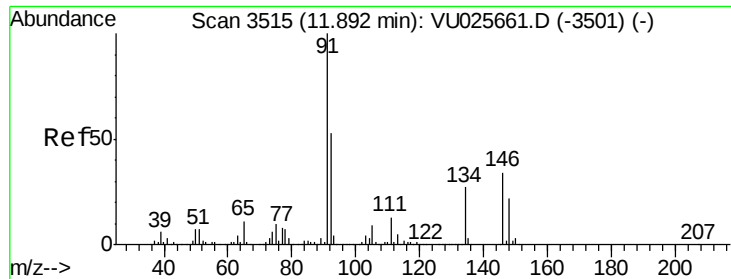


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

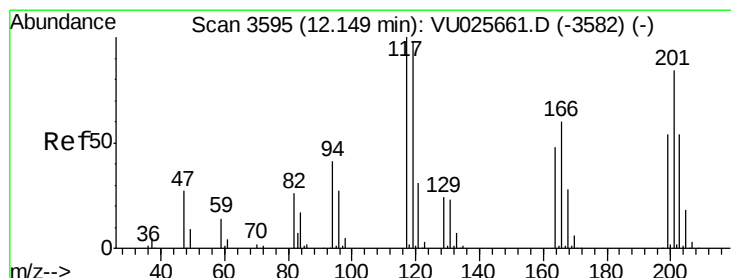
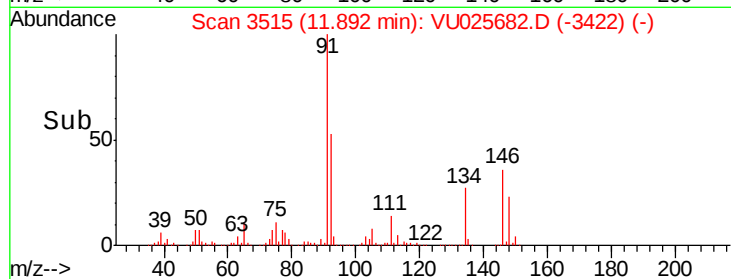
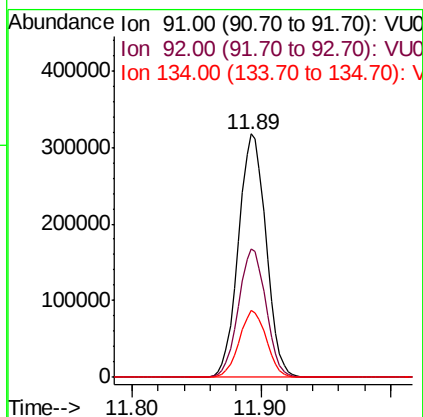
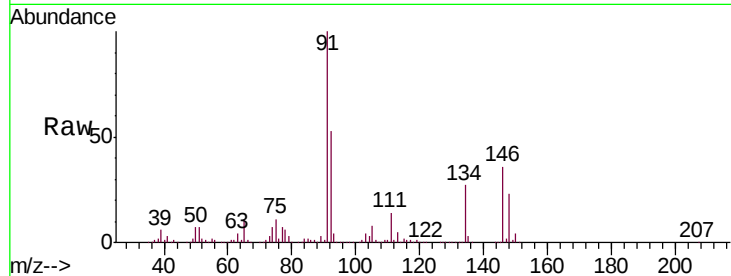




#89
n-Butylbenzene
Concen: 48.83 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

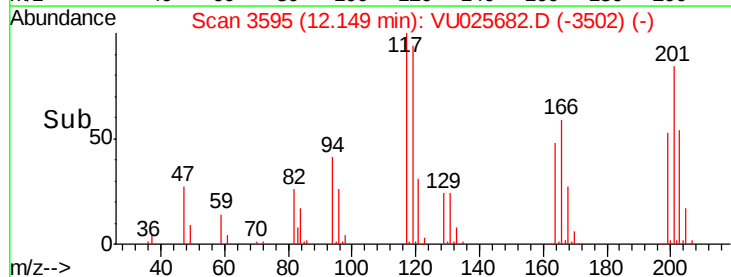
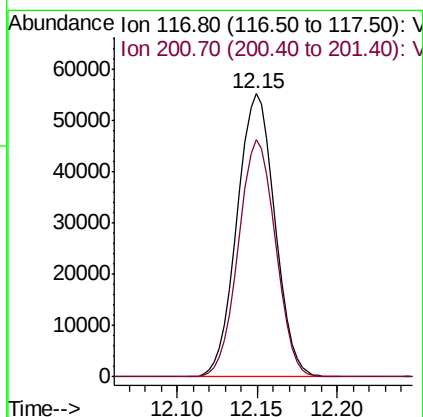
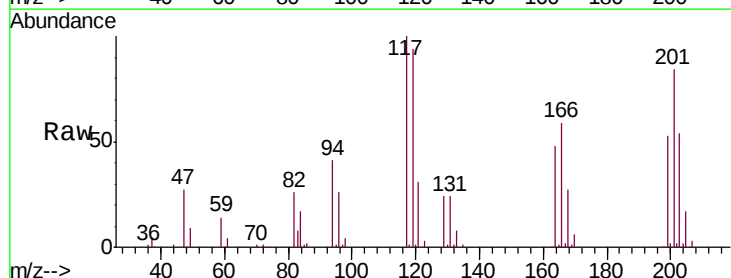
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

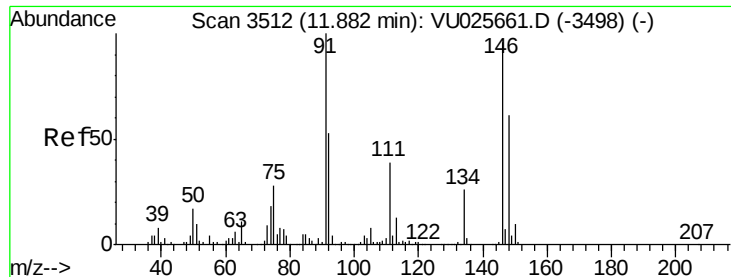
Tot Ion: 91 Resp: 473074
Ion Ratio Lower Upper
91 100
92 52.4 26.5 79.5
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 47.72 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 117 Resp: 89072
Ion Ratio Lower Upper
117 100
201 82.2 42.5 127.6

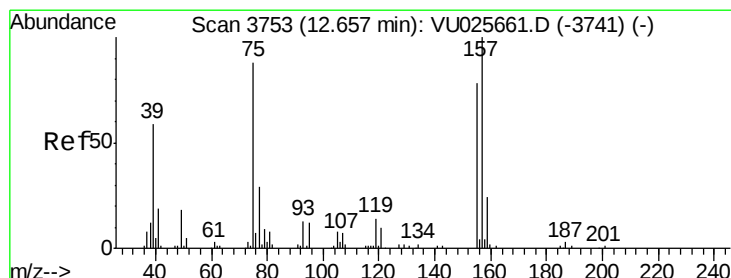
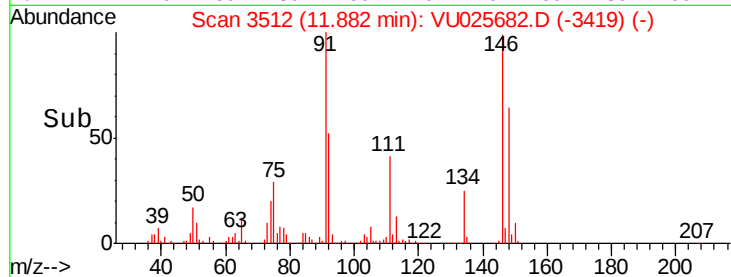
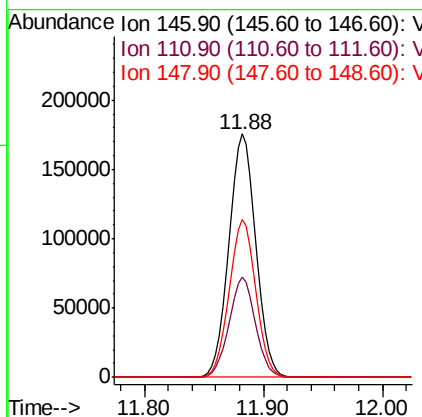
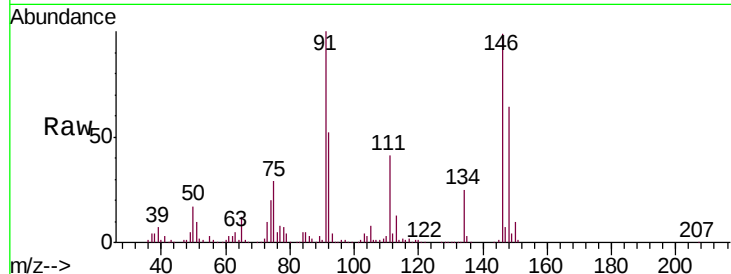




#91
 1,2-Dichlorobenzene
 Concen: 48.11 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

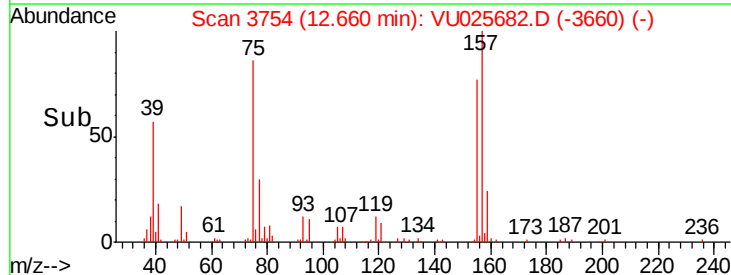
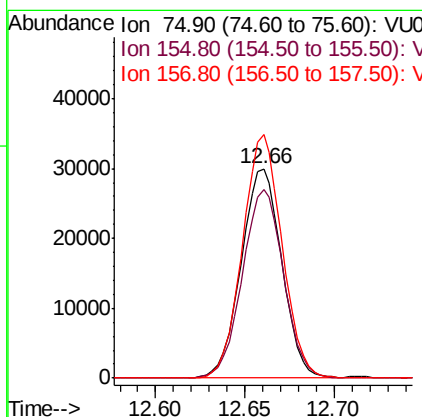
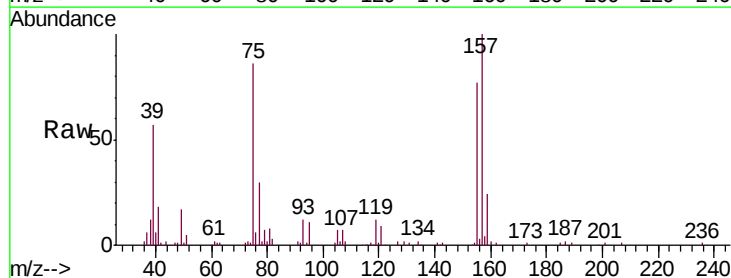
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

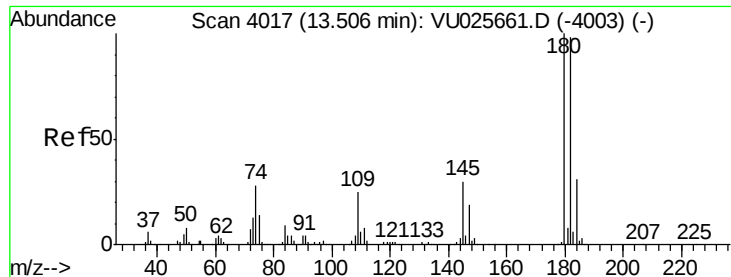
Tot Ion:146 Resp: 274770
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.6 61.8
 148 63.8 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.18 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion: 75 Resp: 47755
 Ion Ratio Lower Upper
 75 100
 155 90.8 44.5 133.3
 157 113.2 57.0 170.8

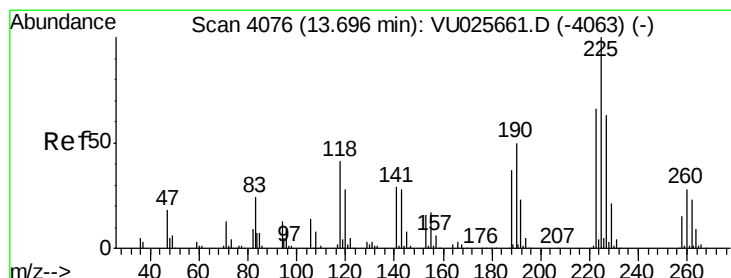
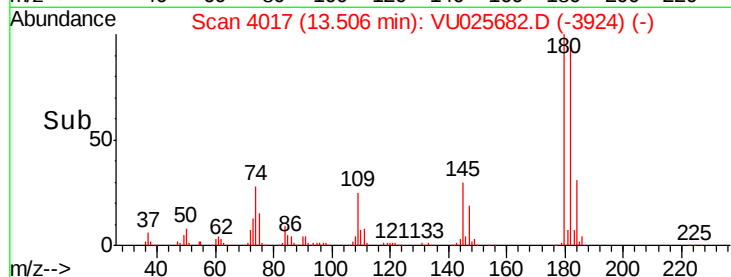
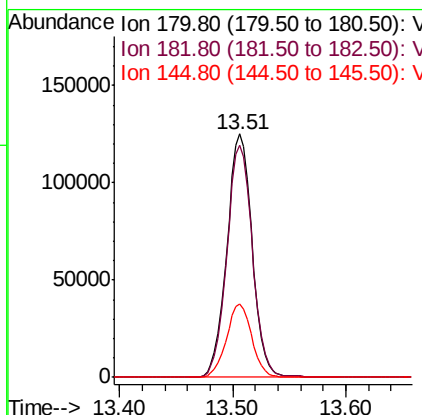
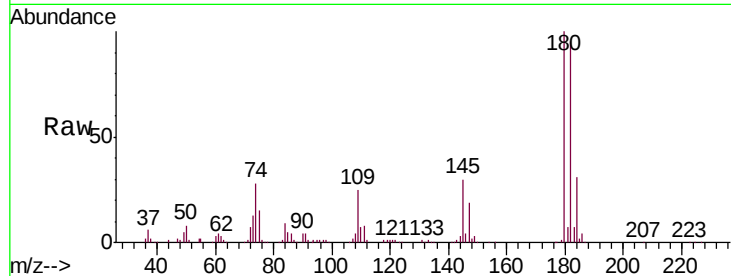




#93
 1,2,4-Trichlorobenzene
 Concen: 50.43 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

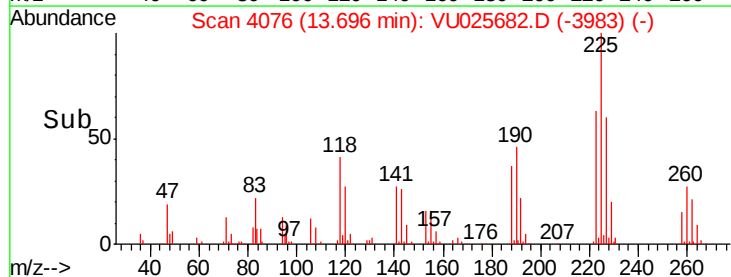
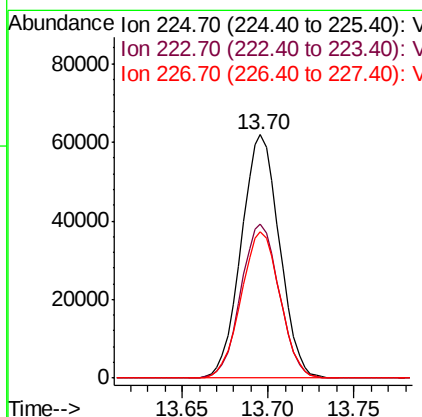
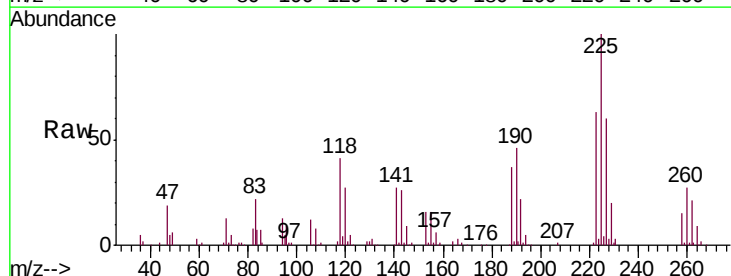
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

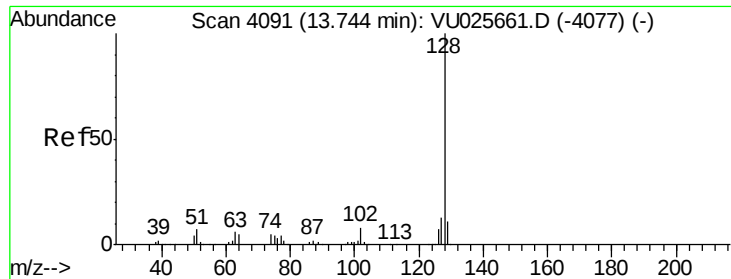
Tot Ion:180 Resp: 194412
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.3 141.9
 145 30.1 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 47.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion:225 Resp: 95672
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.9 95.7
 227 61.0 32.3 96.9

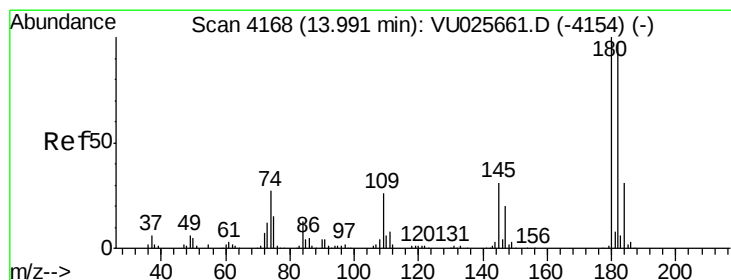
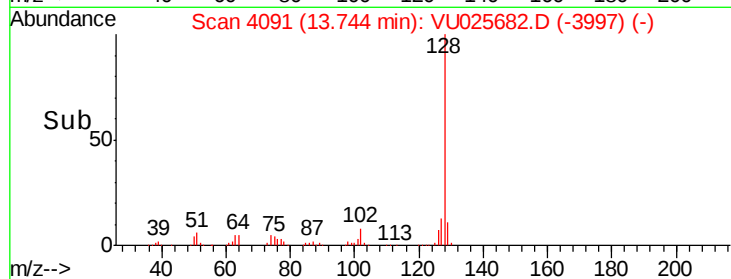
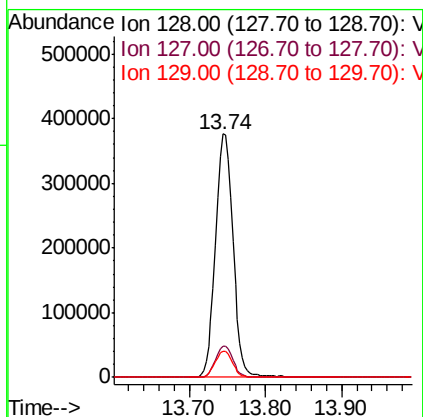
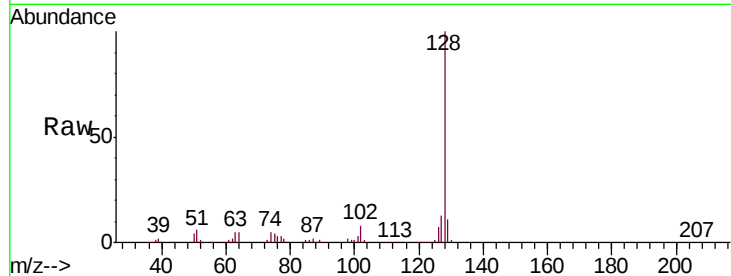




#95
Naphthalene
Concen: 48.62 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 601631
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.66 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion:180 Resp: 198643
Ion Ratio Lower Upper
180 100
182 94.4 47.8 143.3
145 30.9 15.6 46.8

