

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002019.D
 Acq On : 26 May 2018 15:15
 Operator : JC/MD
 Sample : J3064-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:31:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452552	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227675	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	268701	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	5.51	113	208976	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
50) Toluene-d8	8.72	98	761610	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.14	95	281741	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102	Below Cal	#	41
3) Chloromethane	1.37	50	3287	0.72	ug/l	62
5) Bromomethane	1.61	94	164	Below Cal	#	2
10) Methyl Iodide	2.52	142	2599	0.52	ug/l	86
11) Tert butyl alcohol	3.08	59	9190	8.85	ug/l	91
13) Acrolein	2.28	56	222	0.49	ug/l	1
15) Acrylonitrile	3.14	53	450	0.21	ug/l	39
16) Acetone	2.45	43	17847	8.74	ug/l	95
17) Carbon Disulfide	2.57	76	2438	0.25	ug/l	95
18) Methyl Acetate	2.78	43	871	Below Cal	#	81
19) Methyl tert-butyl Ether	3.21	73	26410	2.04	ug/l	95
20) Methylene Chloride	2.86	84	1064	Below Cal	#	79
21) trans-1,2-Dichloroethene	3.17	96	131	Below Cal		87
28) Bromochloromethane	4.94	49	45	Below Cal	#	14
29) Tetrahydrofuran	5.18	42	935	0.38	ug/l	57
31) Cyclohexane	5.57	56	3683	0.51	ug/l	92
36) 1,1-Dichloropropene	5.67	75	20210	3.21	ug/l	52
38) Carbon Tetrachloride	5.67	117	26502	3.61	ug/l	15
39) Methylcyclohexane	7.47	83	6851	0.89	ug/l	98
41) Methacrylonitrile	5.07	41	166	Below Cal	#	61
73) Isopropylbenzene	11.02	105	65620	3.40	ug/l	99
74) N-amyl acetate	6.45	43	1216	Below Cal	#	62
75) 1,1,2,2-Tetrachloroethane	11.28	83	1575	Below Cal	#	69
76) 1,2,3-Trichloropropane	11.14	75	146490	26.79	ug/l	32
78) n-propylbenzene	11.37	91	85813	3.97	ug/l	98
79) 2-Chlorotoluene	11.37	91	85813	5.18	ug/l	40
81) trans-1,4-Dichloro-2-buten	11.14	75	146490	64.38	ug/l	10
82) 4-Chlorotoluene	11.37	91	85813	5.63	ug/l	45
83) tert-Butylbenzene	11.77	119	15277	0.94	ug/l	89
84) 1,2,4-Trimethylbenzene	11.95	105	65671	3.86	ug/l	32
85) sec-Butylbenzene	11.95	105	65671	3.38	ug/l	82
86) p-Isopropyltoluene	12.24	119	26843	1.54	ug/l	98
89) n-Butylbenzene	12.39	91	16895	1.15	ug/l	67
90) Hexachloroethane	12.68	117	15286	4.46	ug/l	2

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Response via : Initial Calibration

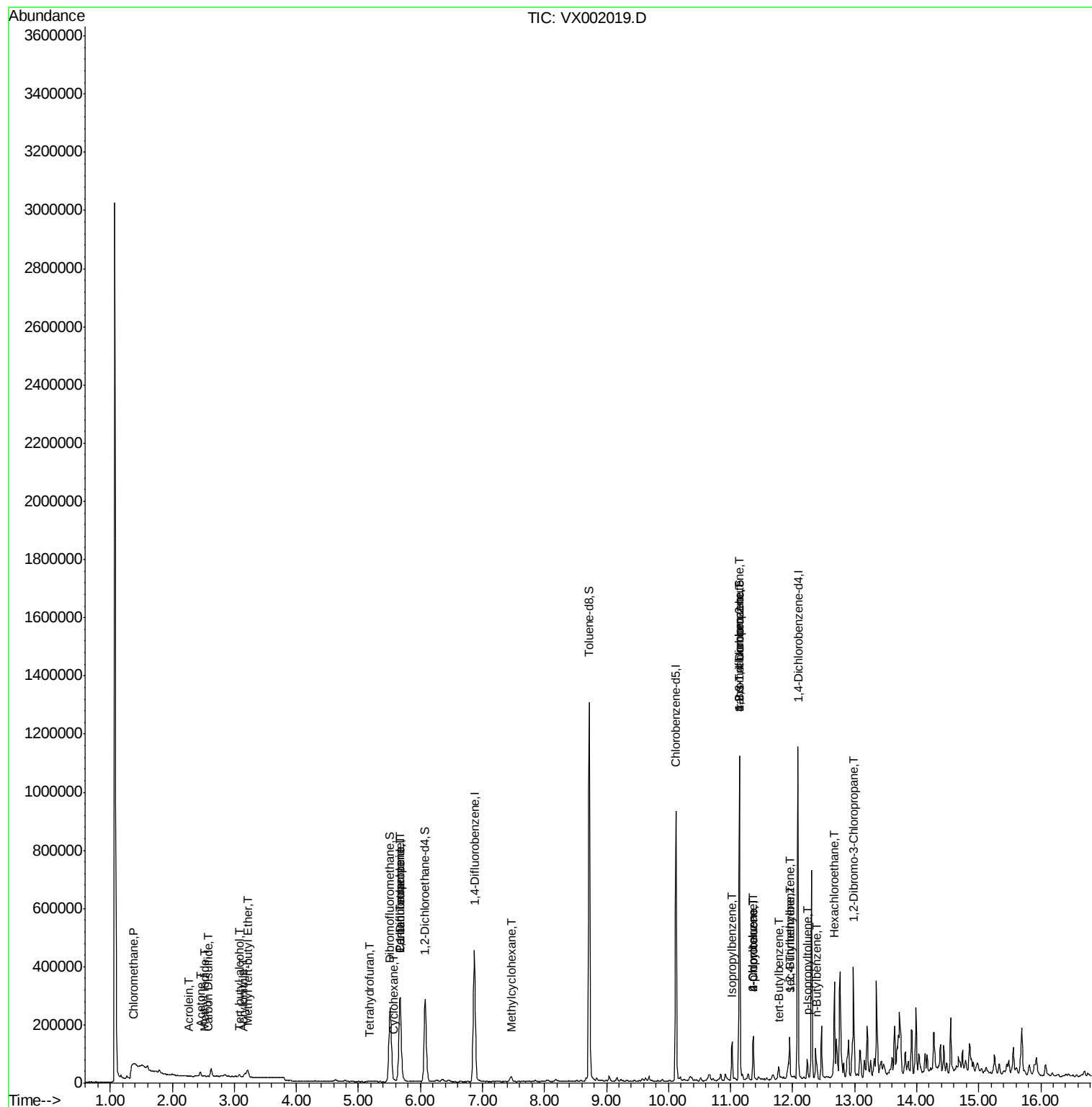
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1921	1.12	ug/l #	1

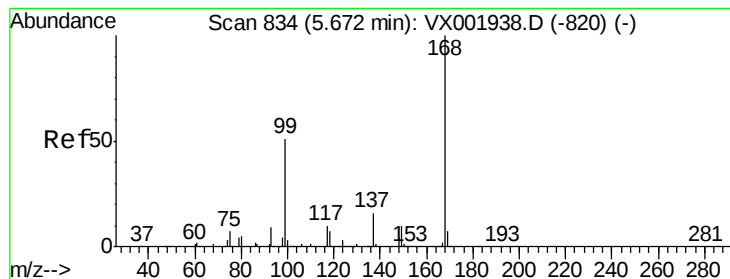
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

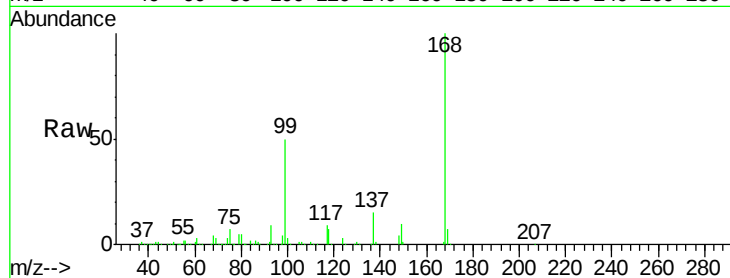
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 295866

Ion Ratio Lower Upper

168 100

99 49.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

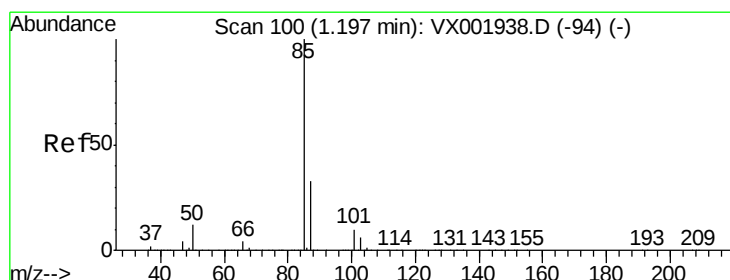
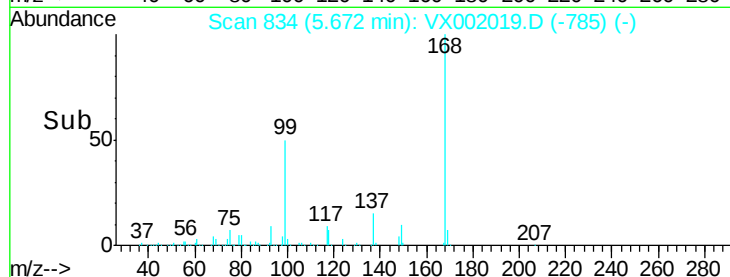
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002019.D

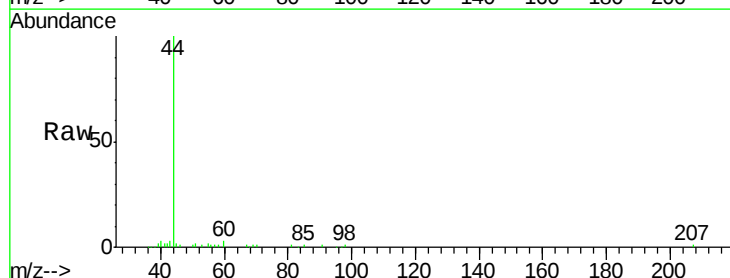
Acq: 26 May 2018 15:15

Tgt Ion: 85 Resp: 102

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120

100

80

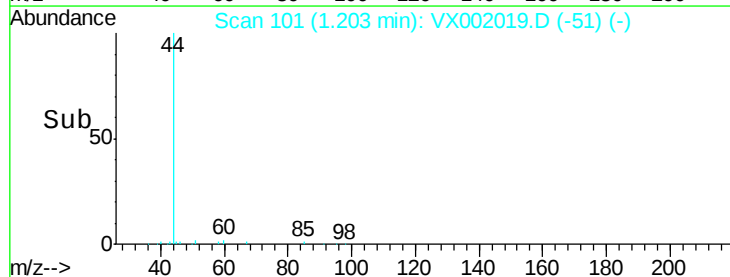
60

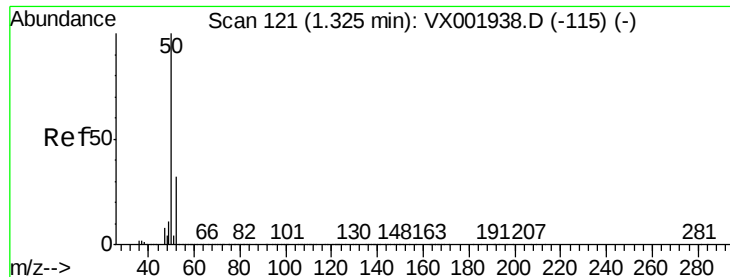
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.72 ua/l

RT: 1.37 min Scan# 128

Delta R.T. 0.04 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

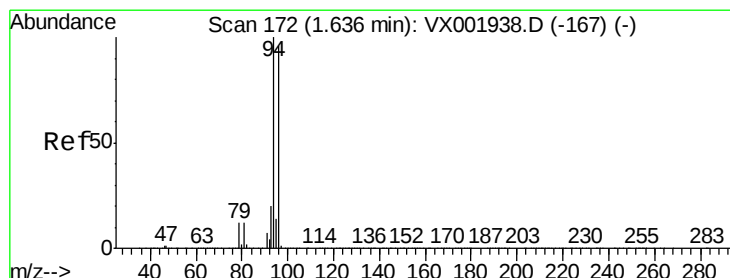
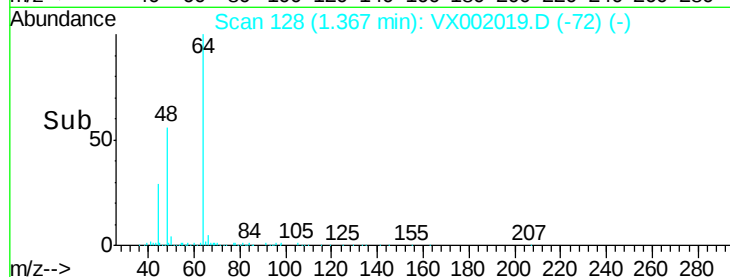
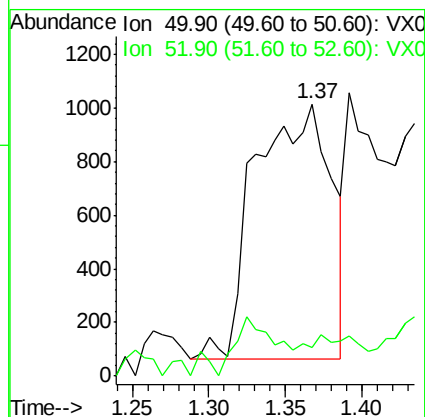
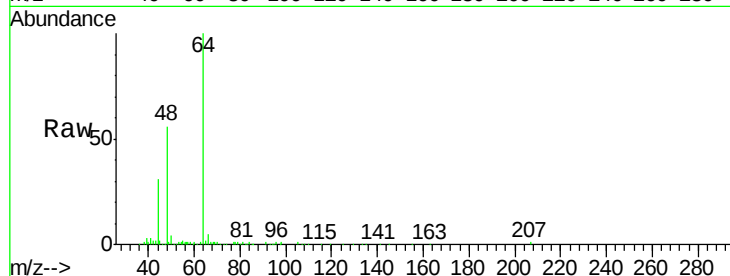
ClientSampleId :

Tot Ion: 50 Resp: 3287

Ion Ratio Lower Upper

50 100

52 11.3 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX002019.D

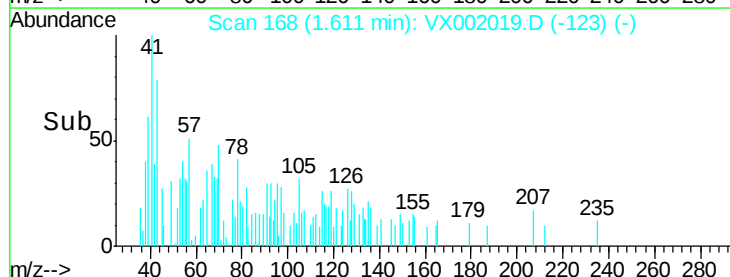
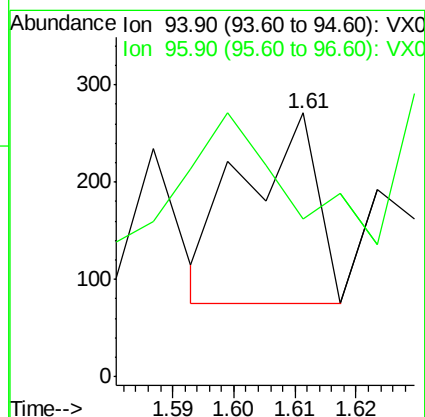
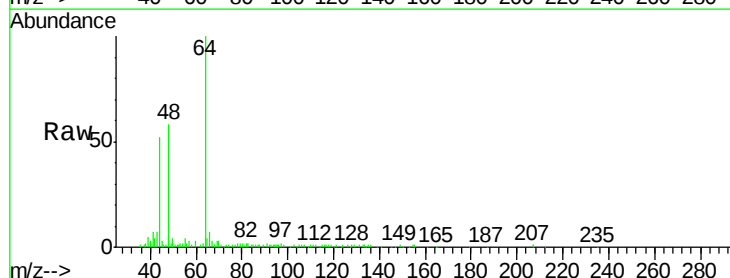
Acq: 26 May 2018 15:15

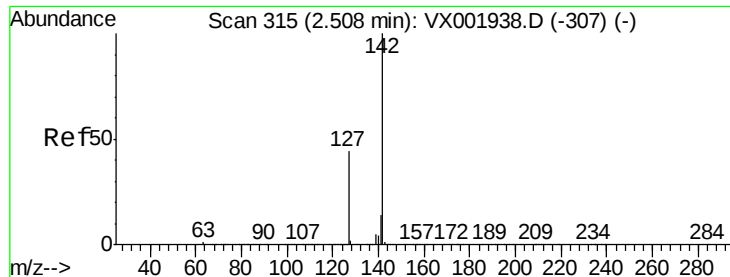
Tgt Ion: 94 Resp: 164

Ion Ratio Lower Upper

94 100

96 0.0 75.9 113.9#

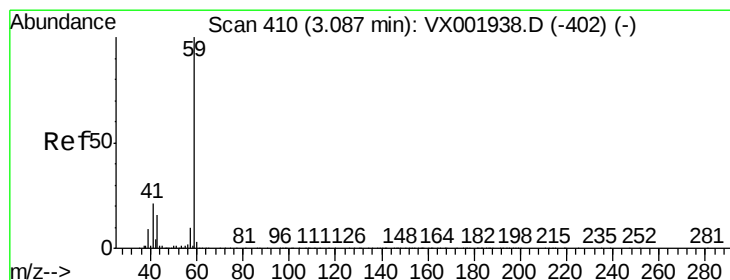
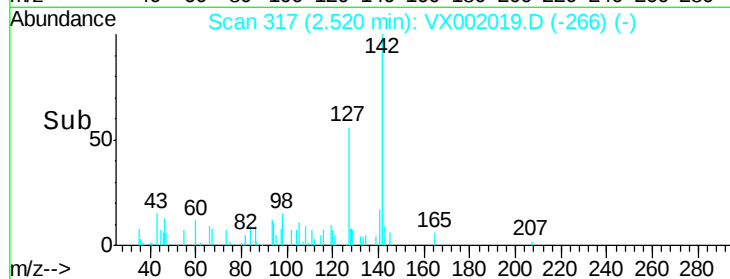
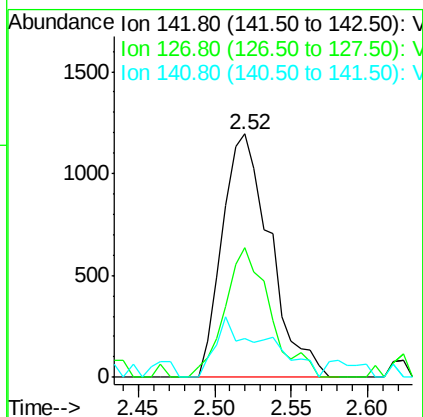
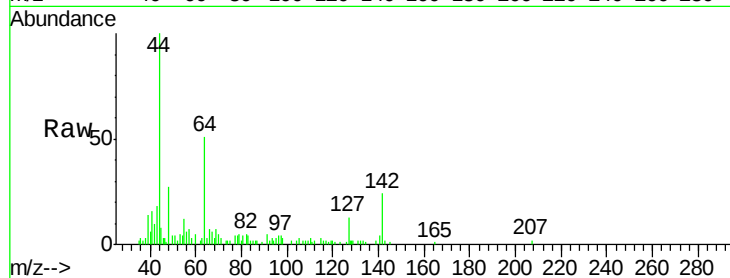




#10
Methvl Iodide
Concen: 0.52 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

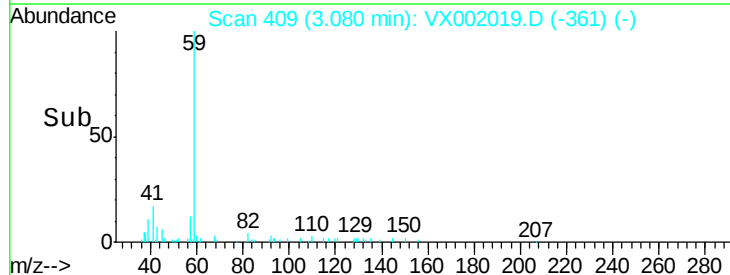
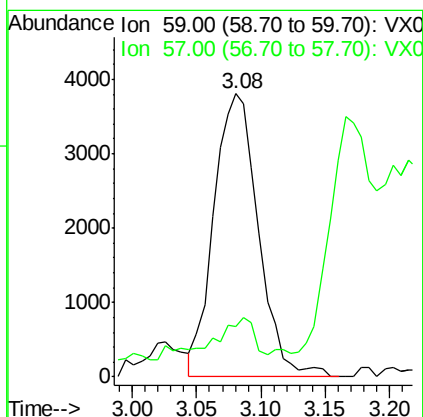
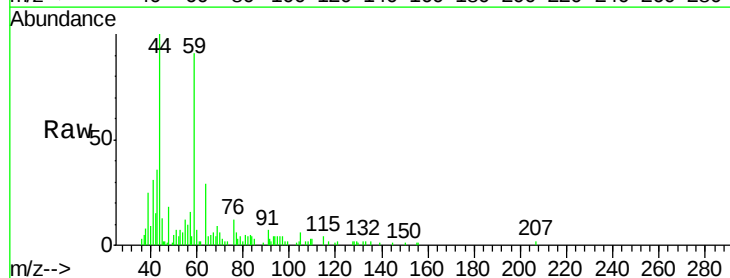
Instrument :
MSVOA_X
ClientSampleId :

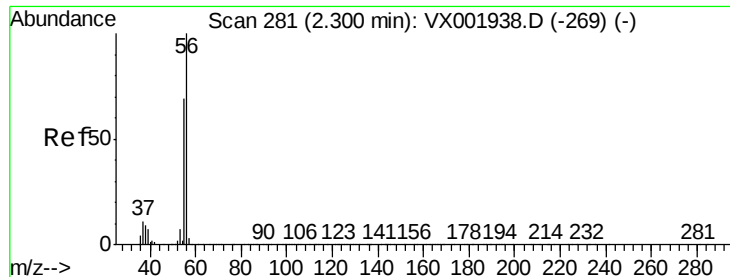
Tot Ion:142 Resp: 2599
Ion Ratio Lower Upper
142 100
127 50.2 35.5 53.3
141 26.2 11.3 16.9#



#11
Tert butyl alcohol
Concen: 8.85 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

Tgt Ion: 59 Resp: 9190
Ion Ratio Lower Upper
59 100
57 14.7 8.9 13.3#





#13

Acrolein

Concen: 0.49 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

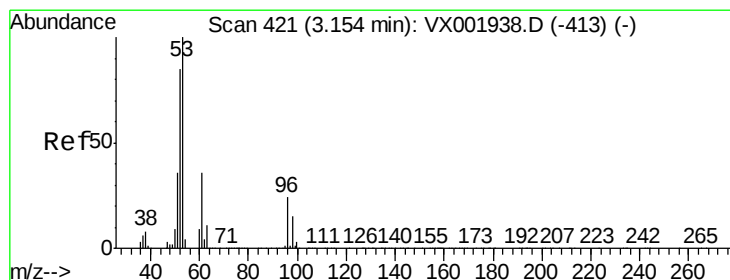
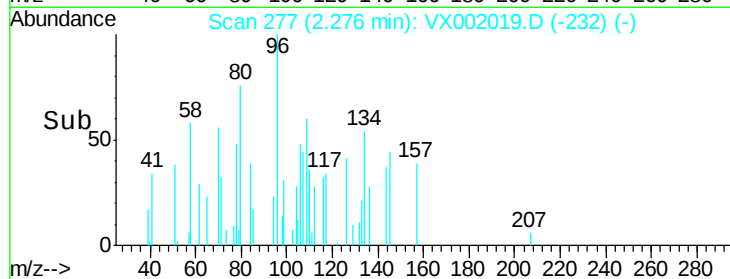
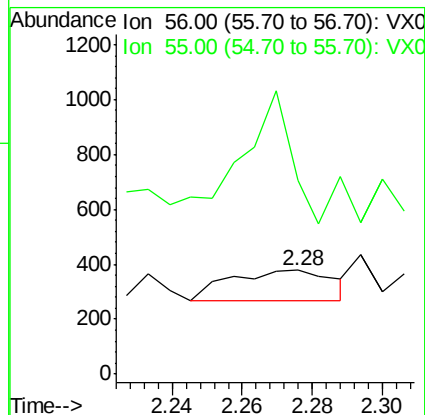
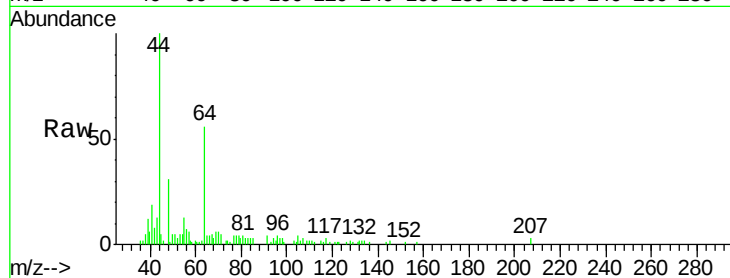
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

55 191.9 56.8 85.2#



#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

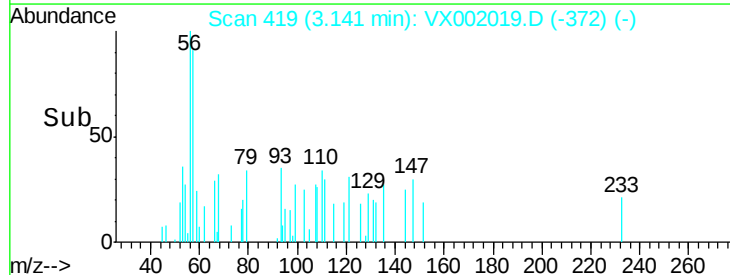
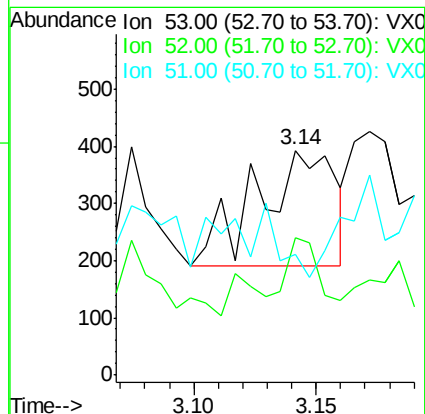
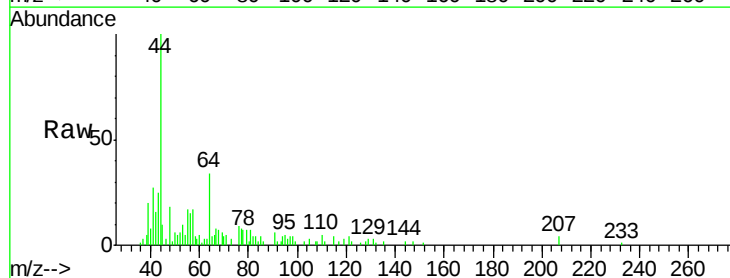
Tgt Ion: 53 Resp: 450

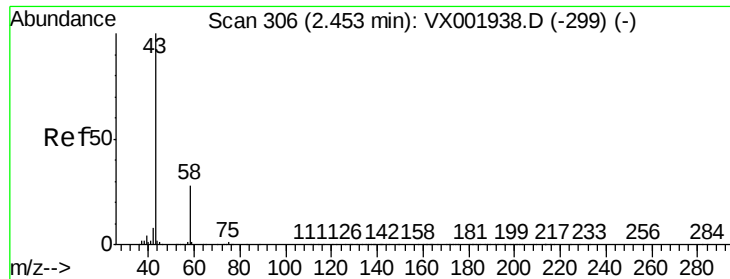
Ion Ratio Lower Upper

53 100

52 28.4 66.4 99.6#

51 0.0 29.3 43.9#





#16

Acetone

Concen: 8.74 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

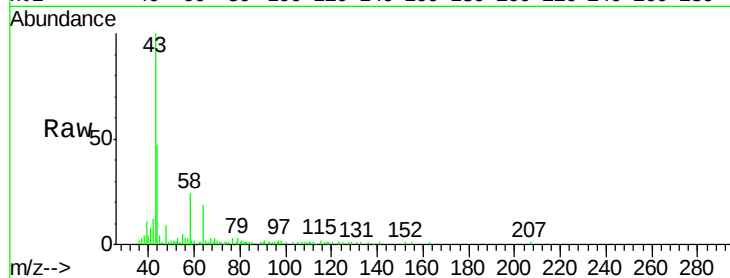
ClientSampleId :

Tot Ion: 43 Resp: 17847

Ion Ratio Lower Upper

43 100

58 25.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

12000

10000

8000

6000

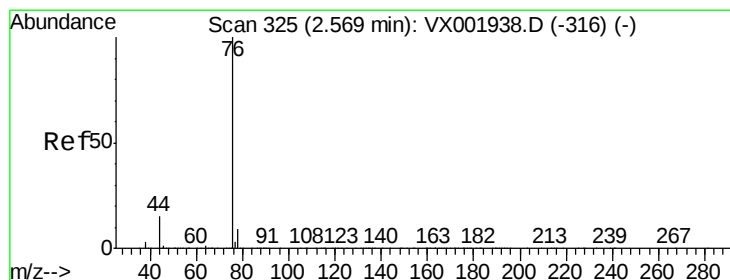
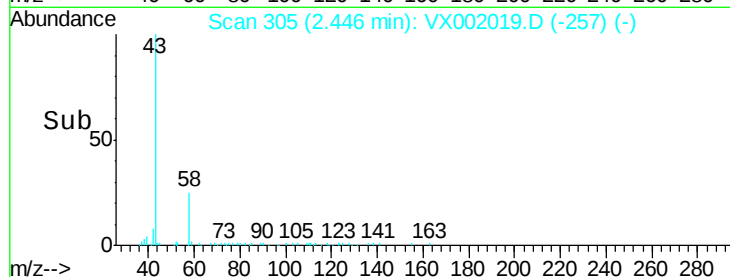
4000

2000

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002019.D

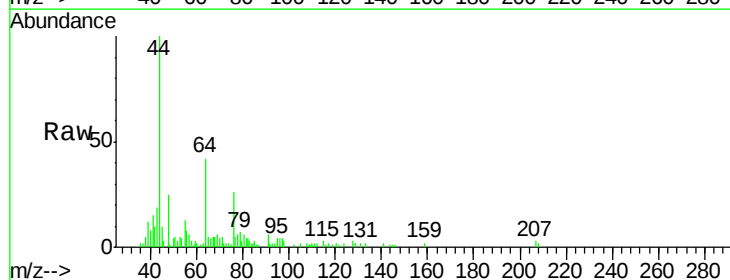
Acq: 26 May 2018 15:15

Tgt Ion: 76 Resp: 2438

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

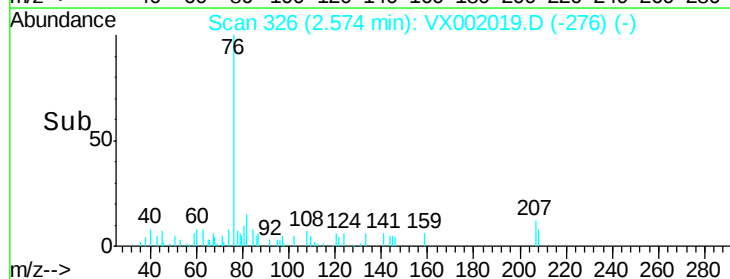
1000

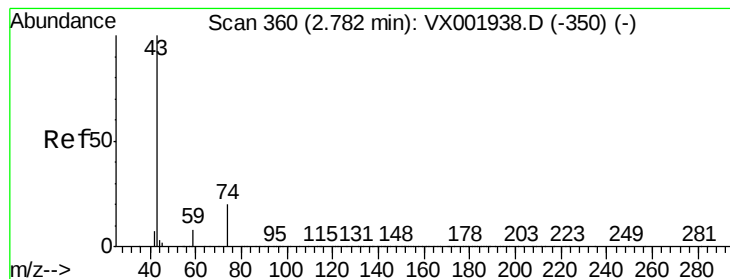
500

0

Time-->

2.50 2.55 2.60





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

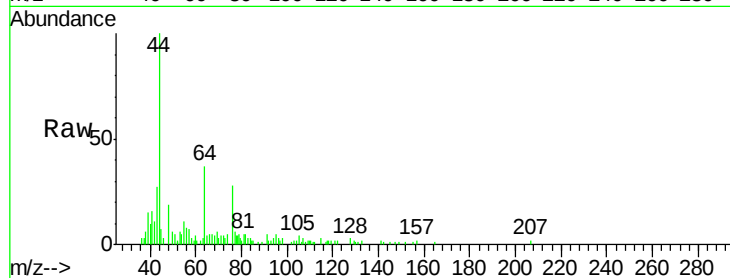
ClientSampleId :

Tot Ion: 43 Resp: 871

Ion Ratio Lower Upper

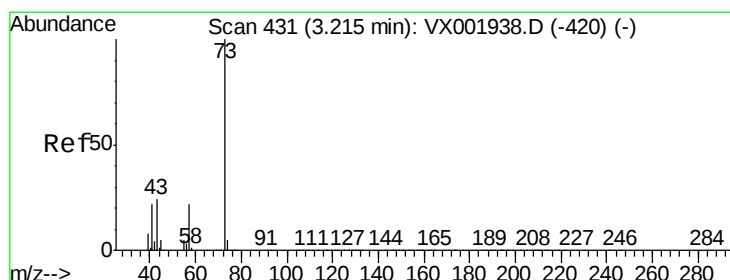
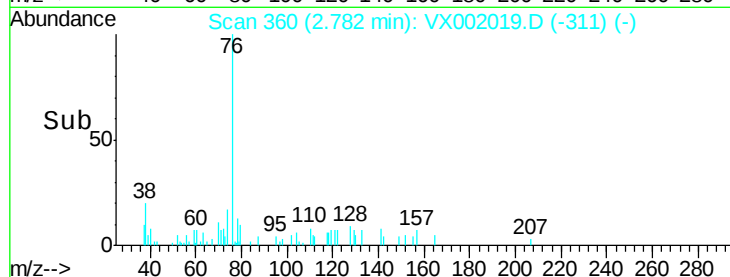
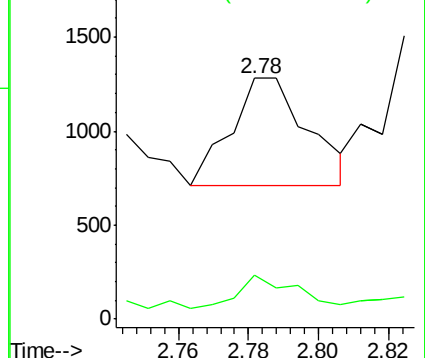
43 100

74 29.7 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#19

Methyl tert-butyl Ether

Concen: 2.04 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX002019.D

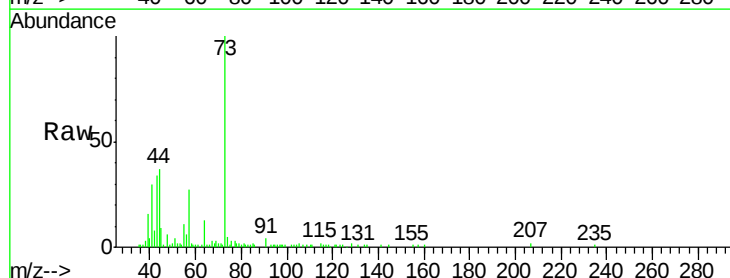
Acq: 26 May 2018 15:15

Tgt Ion: 73 Resp: 26410

Ion Ratio Lower Upper

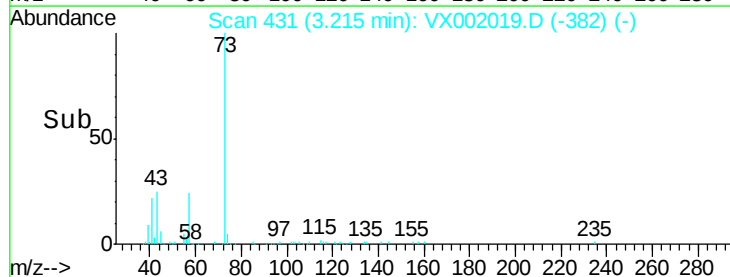
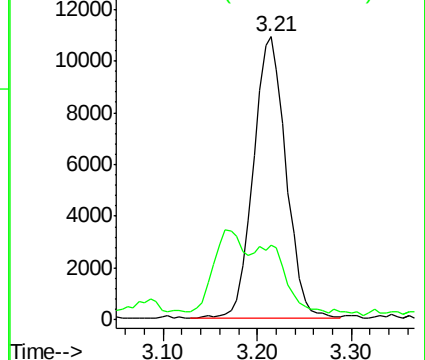
73 100

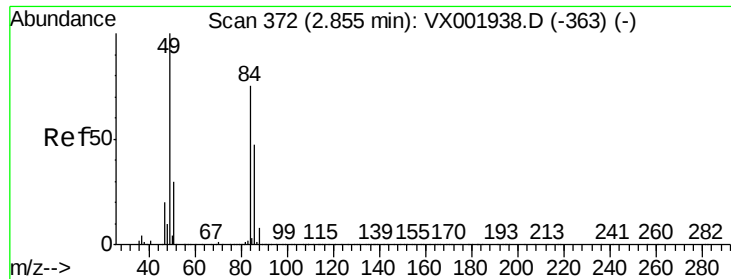
57 24.1 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

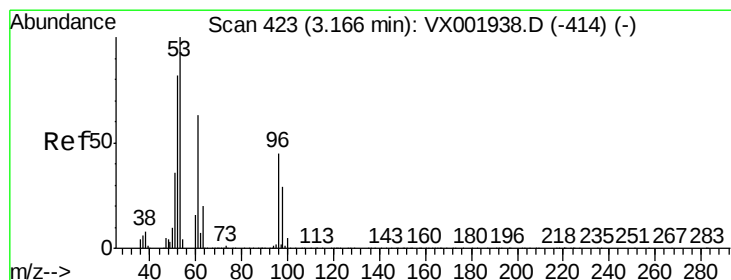
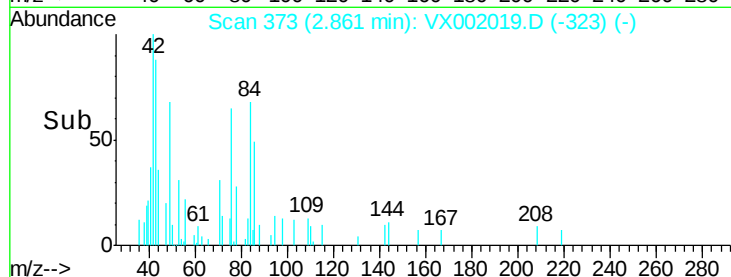
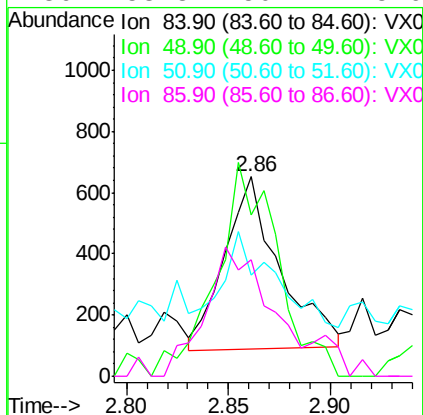
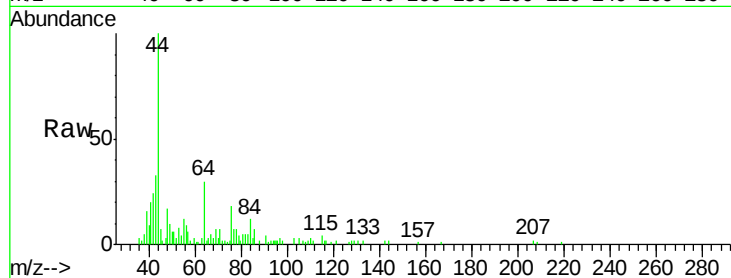




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

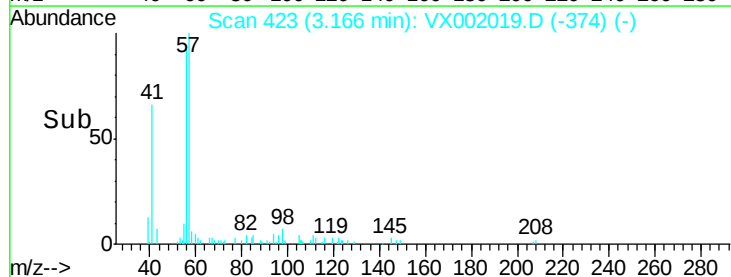
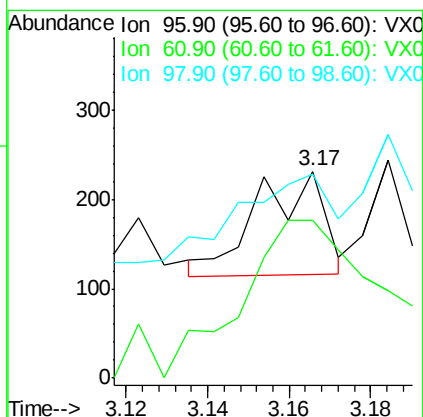
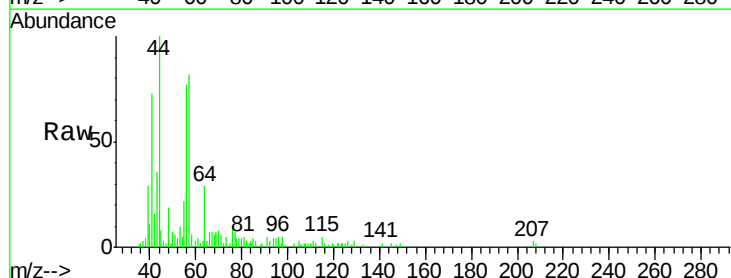
Instrument :
MSVOA_X
ClientSampled :

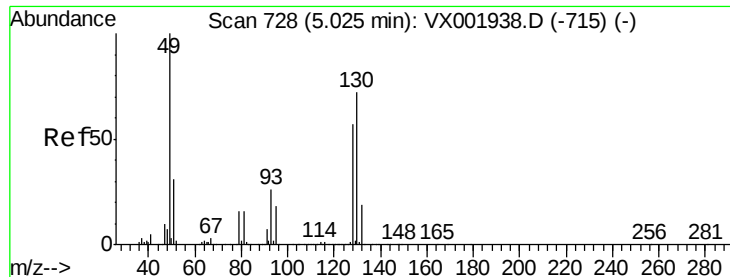
Tot Ion: 84 Resp: 1064
Ion Ratio Lower Upper
84 100
49 100.4 107.2 160.8#
51 32.5 32.4 48.6
86 53.8 50.4 75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

Tgt Ion: 96 Resp: 131
Ion Ratio Lower Upper
96 100
61 123.2 113.3 169.9
98 70.7 51.7 77.5





#28

Bromochloromethane

Concen: Below Cal

RT: 4.94 min Scan# 714

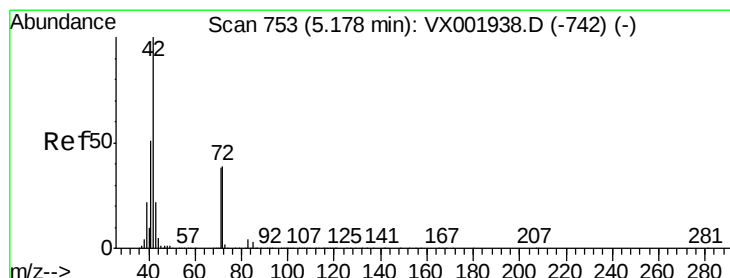
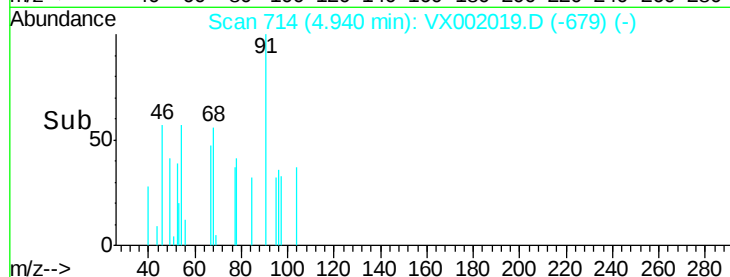
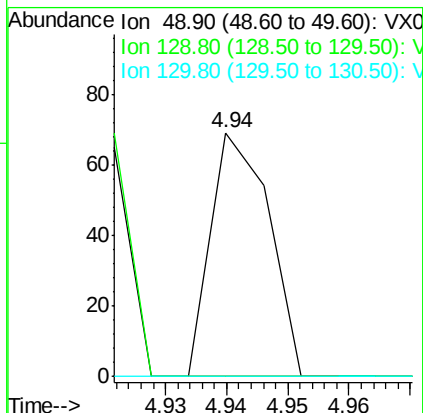
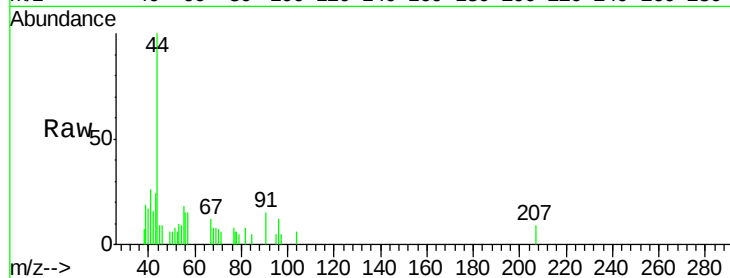
Delta R.T. -0.09 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	49	Resp:	45
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



#29

Tetrahydrofuran

Concen: 0.38 ug/l

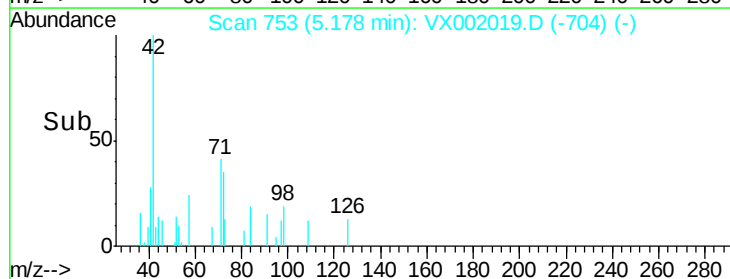
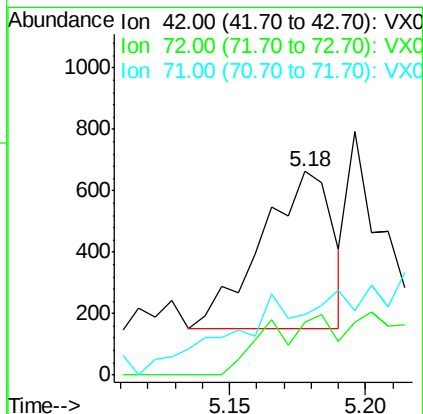
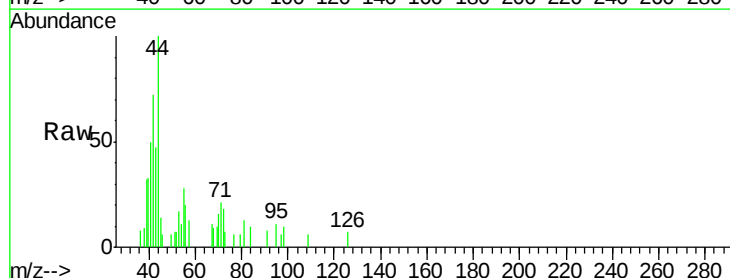
RT: 5.18 min Scan# 753

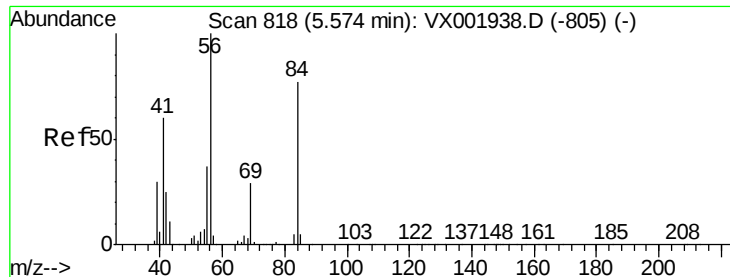
Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Tgt Ion:	42	Resp:	935
Ion	Ratio	Lower	Upper
42	100		
72	18.6	31.4	47.0#
71	4.9	29.5	44.3#

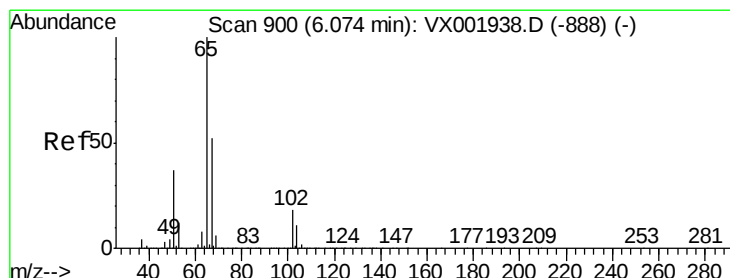
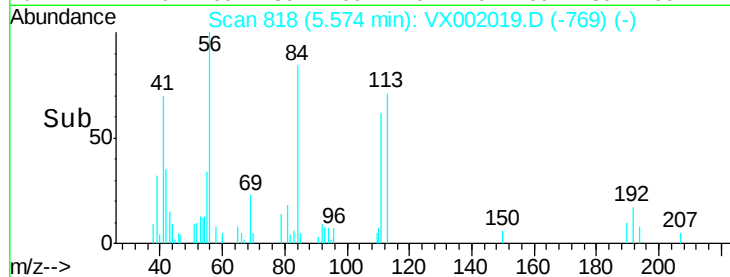
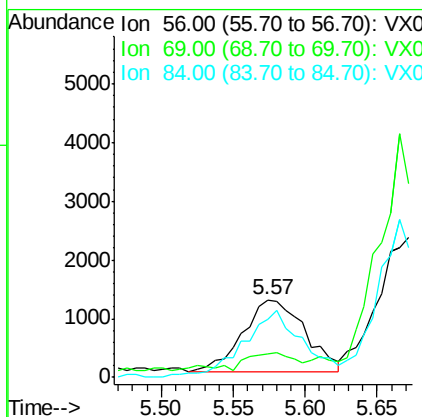
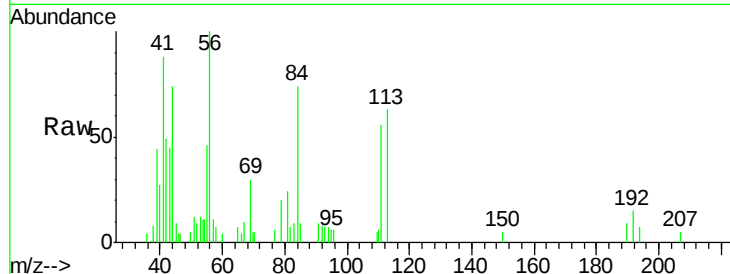




#31
Cyclohexane
Concen: 0.51 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

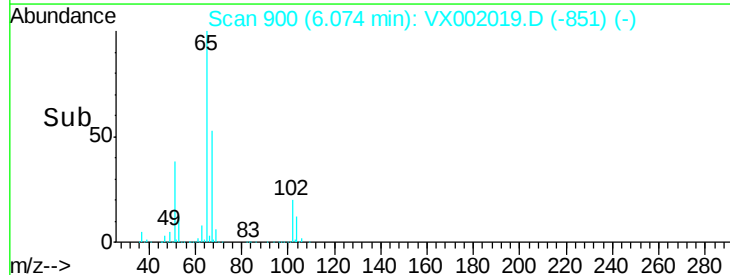
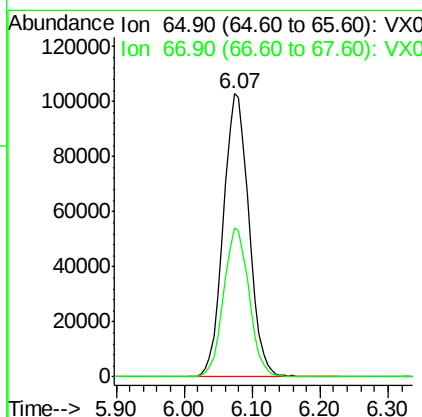
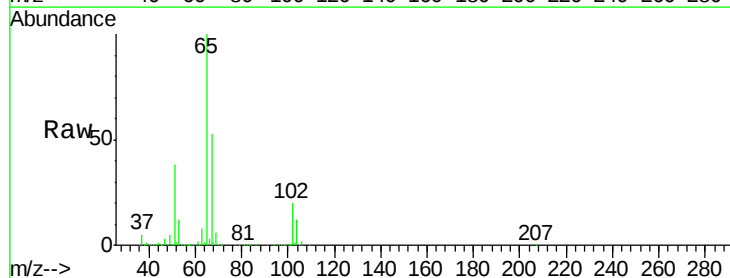
Instrument :
MSVOA_X
ClientSampleId :

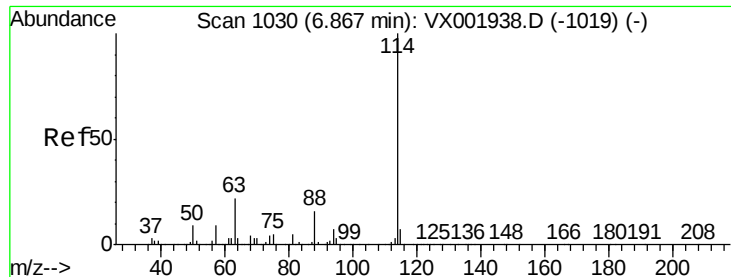
Tot Ion: 56 Resp: 3683
Ion Ratio Lower Upper
56 100
69 19.2 23.1 34.7#
84 73.8 62.0 93.0



#33
1,2-Dichloroethane-d4
Concen: 50.81 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

Tgt Ion: 65 Resp: 268701
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

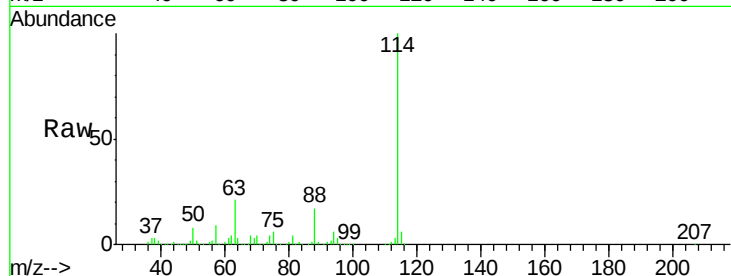
Tot Ion:114 Resp: 452552

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

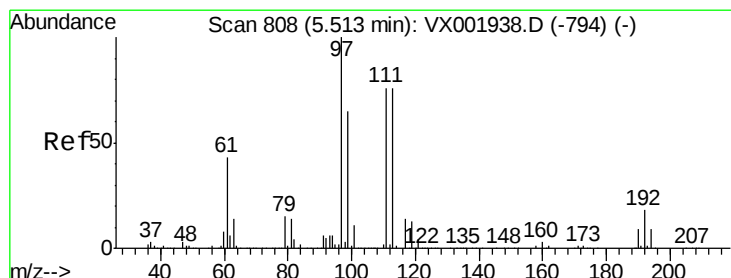
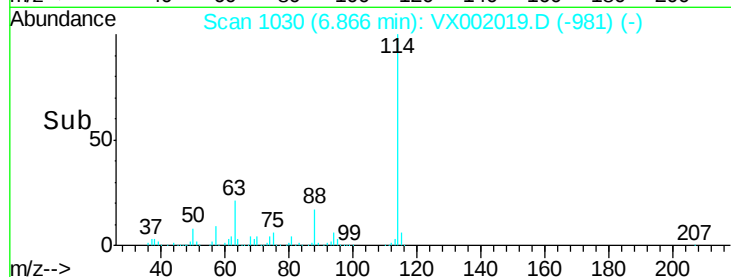
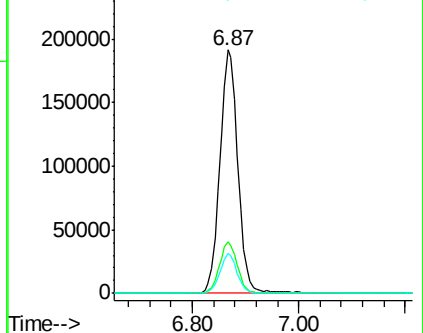
88 16.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.18 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

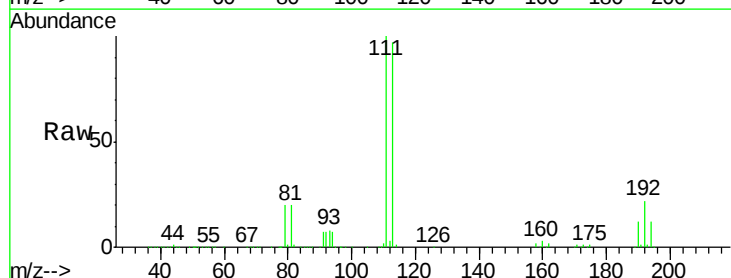
Tgt Ion:113 Resp: 208976

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

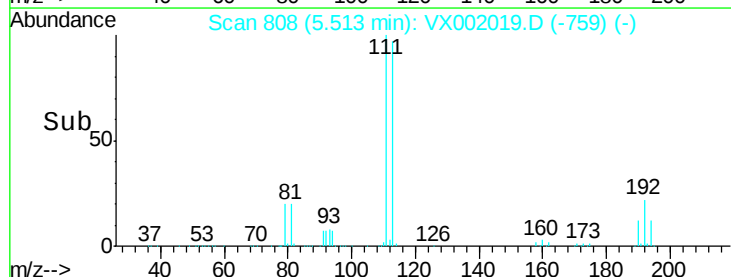
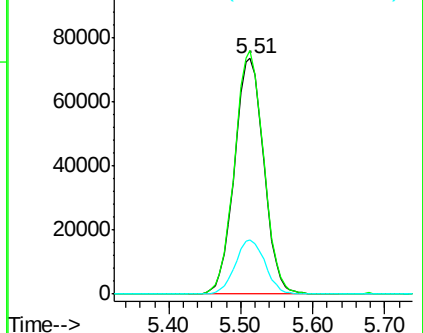
192 23.2 18.9 28.3

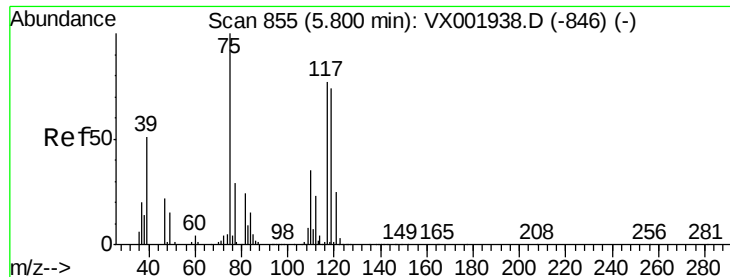


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

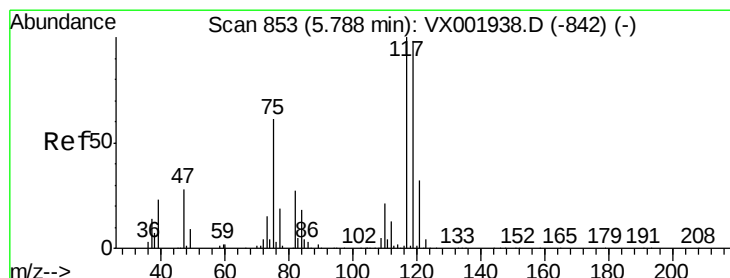
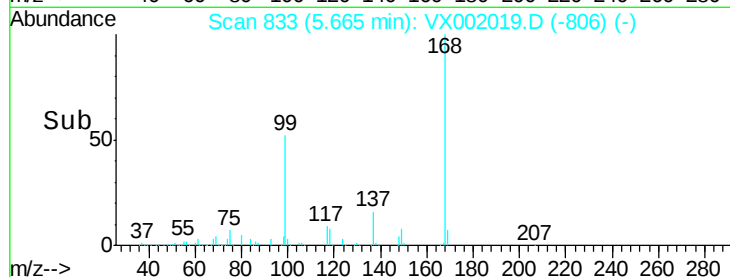
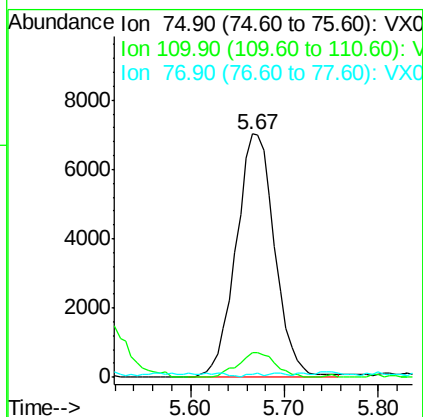
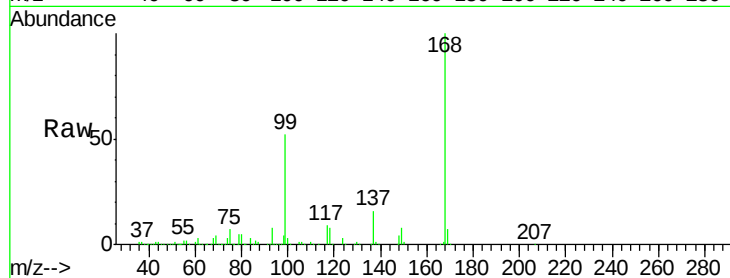




#36
 1,1-Dichloropropene
 Concen: 3.21 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002019.D
 Acq: 26 May 2018 15:15

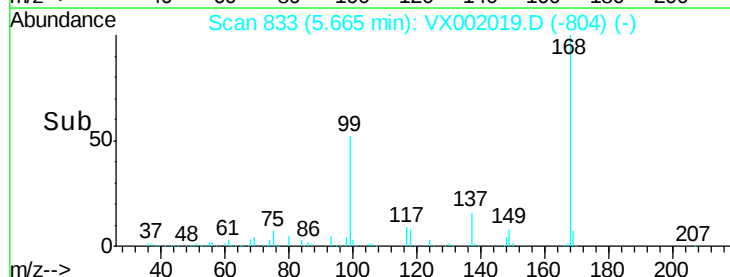
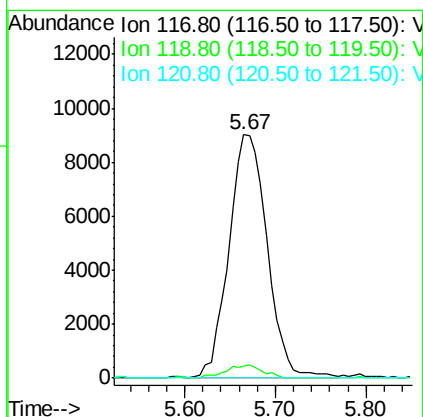
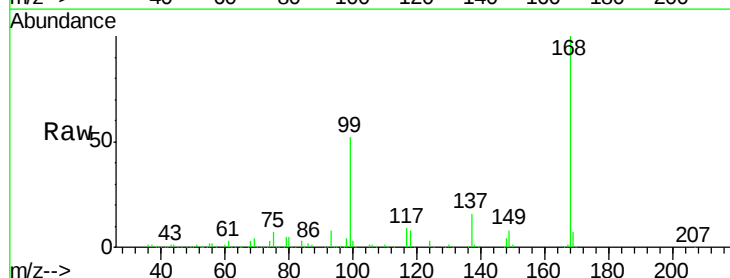
Instrument :
 MSVOA_X
 ClientSampled :

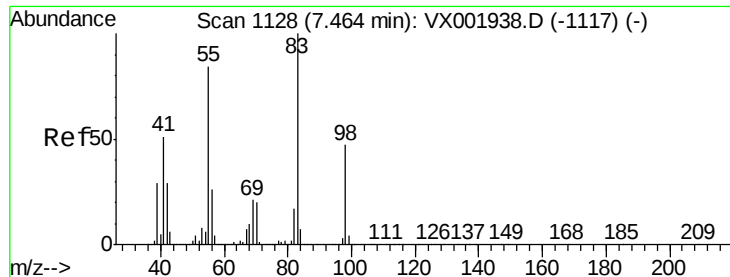
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.4	52.2#
77	0.7	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.61 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002019.D
 Acq: 26 May 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.5	117.7#
121	0.0	25.5	38.3#

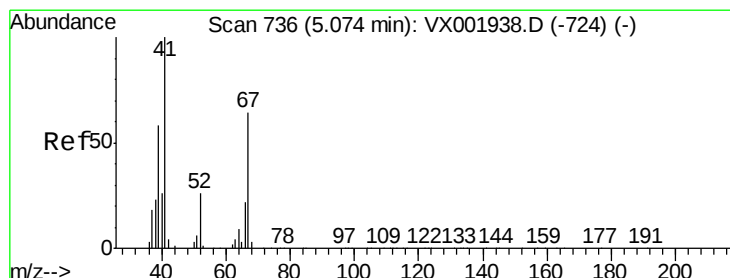
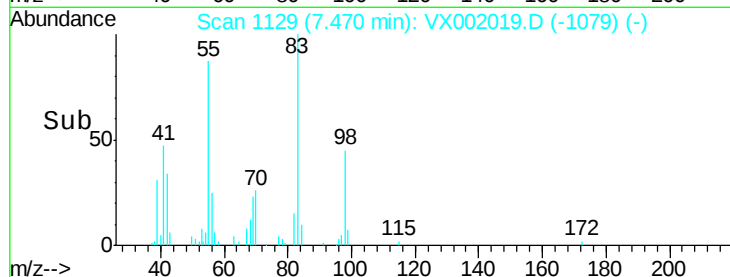
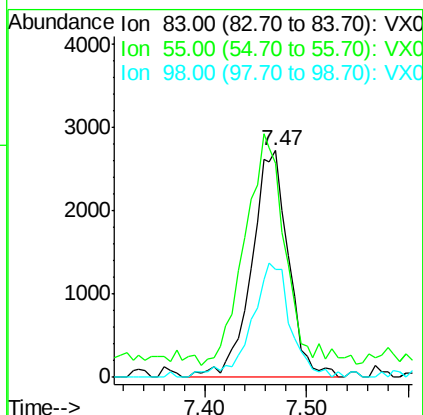
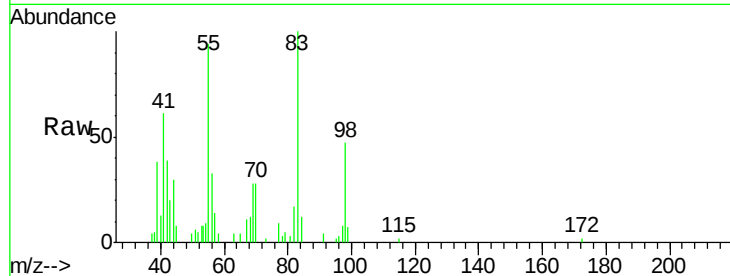




#39
Methylcyclohexane
Concen: 0.89 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

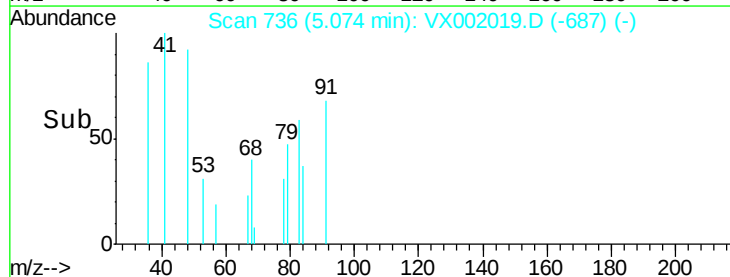
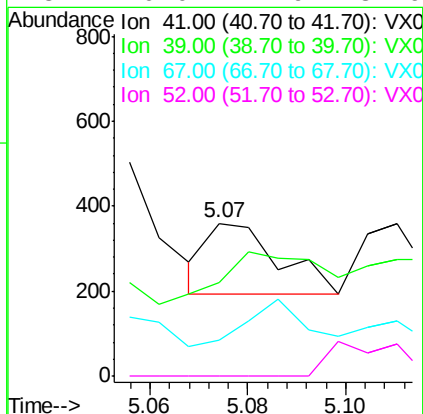
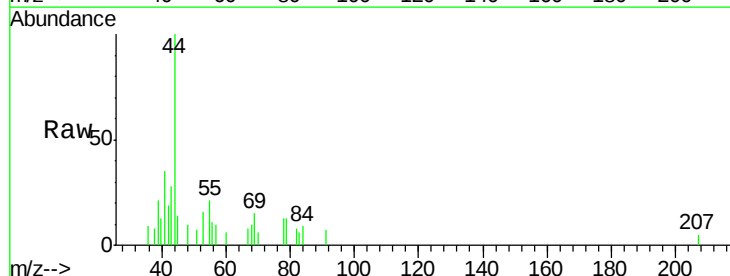
Instrument :
MSVOA_X
ClientSampleId :

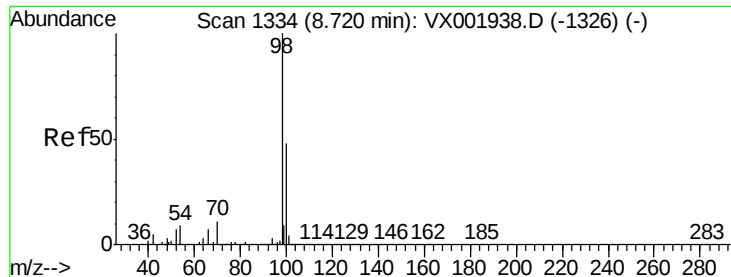
Tot Ion: 83 Resp: 6851
Ion Ratio Lower Upper
83 100
55 86.0 67.3 100.9
98 47.4 37.5 56.3



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

Tgt Ion: 41 Resp: 166
Ion Ratio Lower Upper
41 100
39 103.6 46.0 69.0#
67 53.6 50.6 75.8
52 0.0 21.9 32.9#





#50

Toluene-d8

Concen: 46.48 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

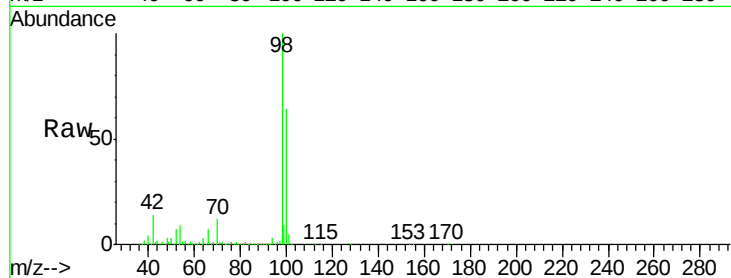
ClientSampleId :

Tot Ion: 98 Resp: 761610

Ion Ratio Lower Upper

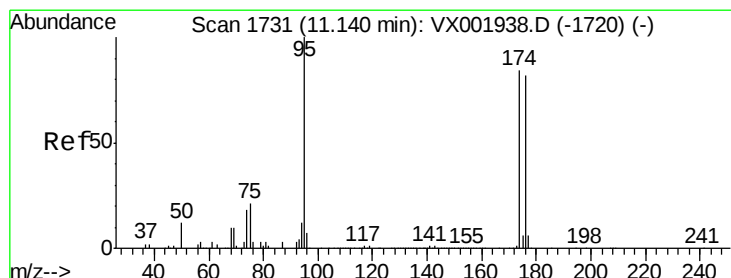
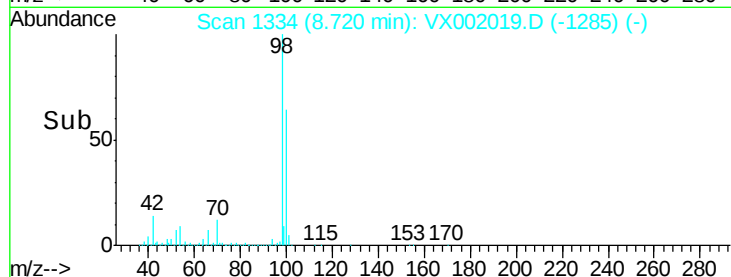
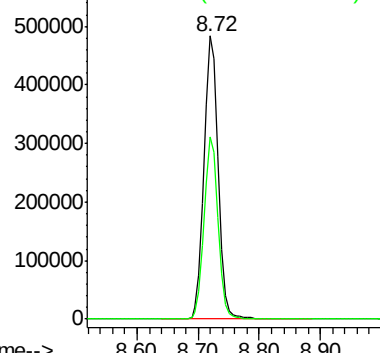
98 100

100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

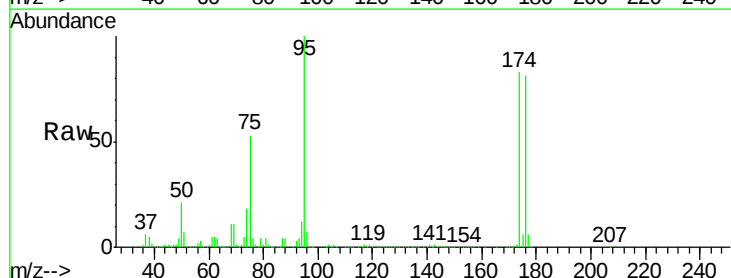
Tgt Ion: 95 Resp: 281741

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

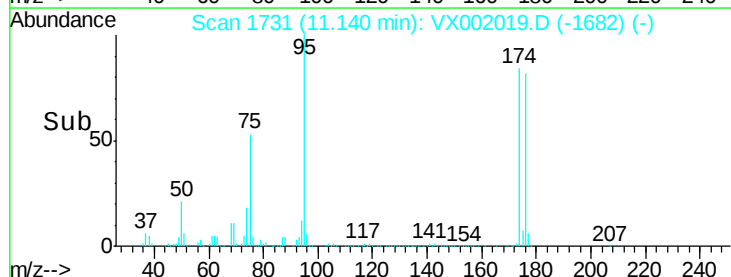
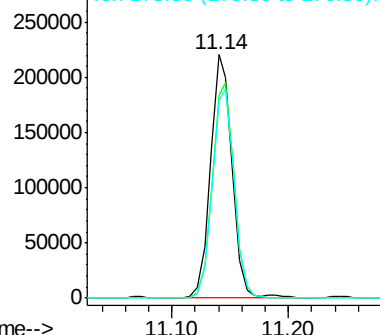
176 87.9 0.0 175.6

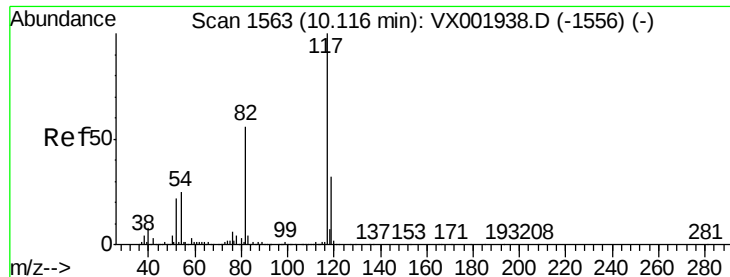


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

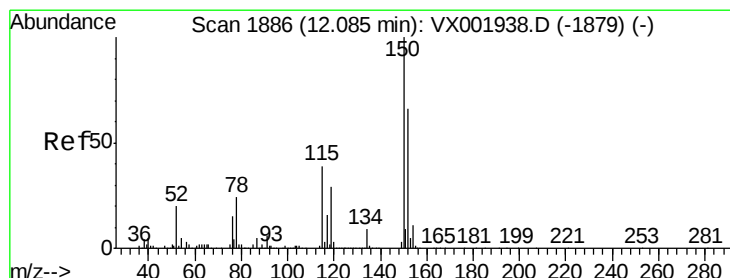
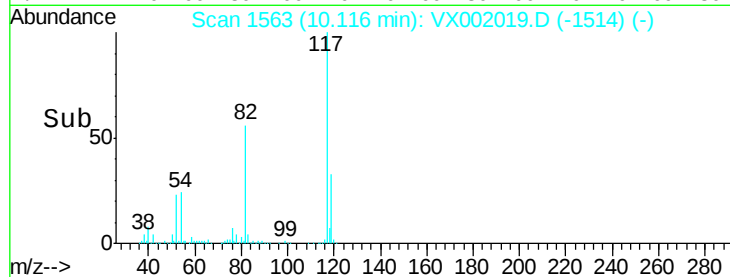
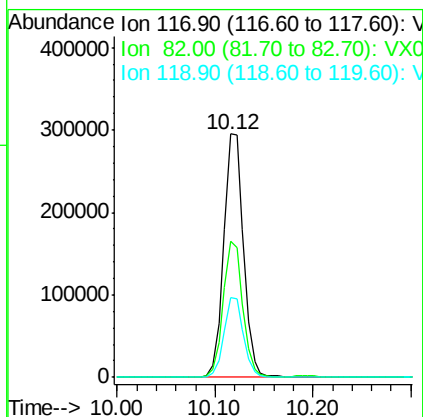
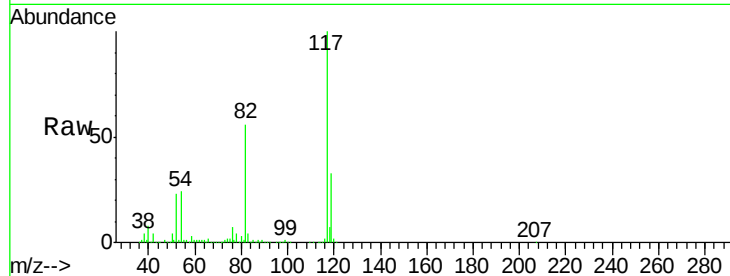




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

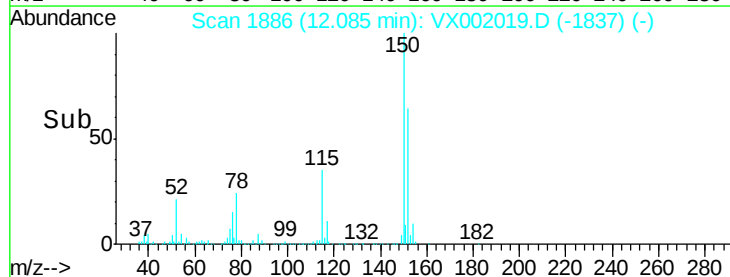
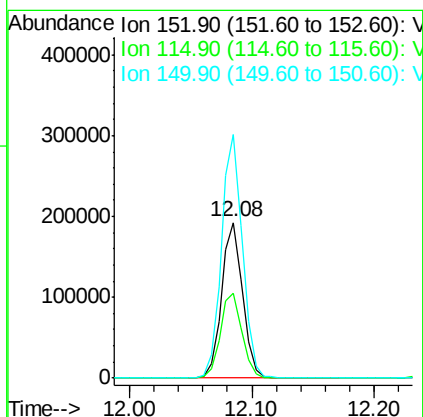
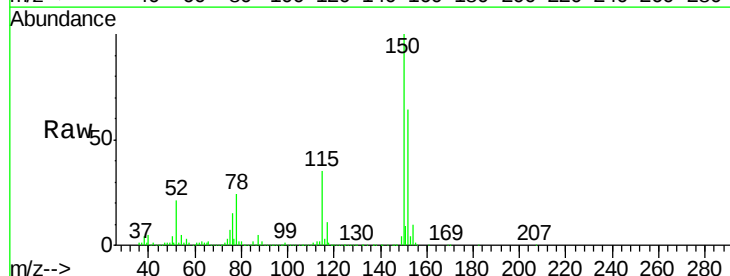
Instrument :
MSVOA_X
ClientSampleId :

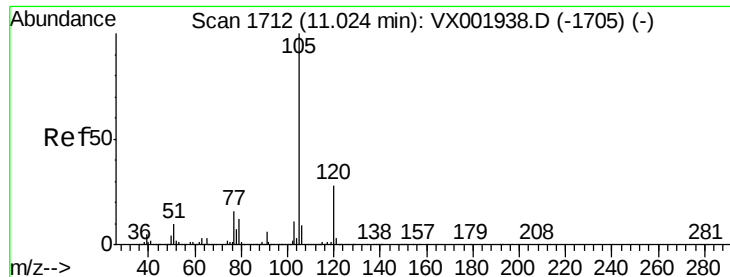
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.8	67.2
119	32.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002019.D
Acq: 26 May 2018 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	42.3	126.8
150	157.1	0.0	351.0





#73

Isopropylbenzene

Concen: 3.40 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

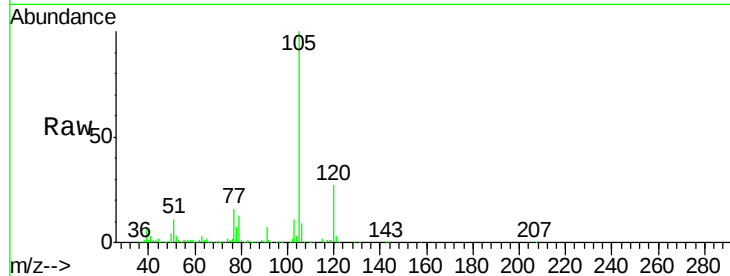
ClientSampled :

Tot Ion:105 Resp: 65620

Ion Ratio Lower Upper

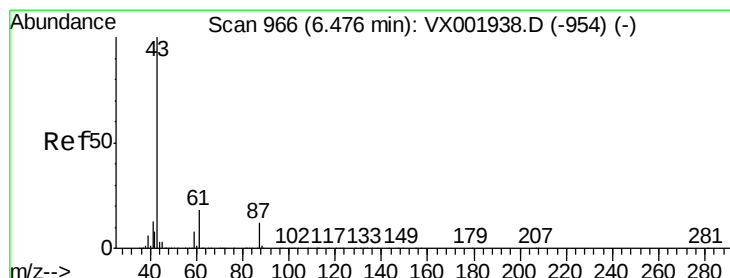
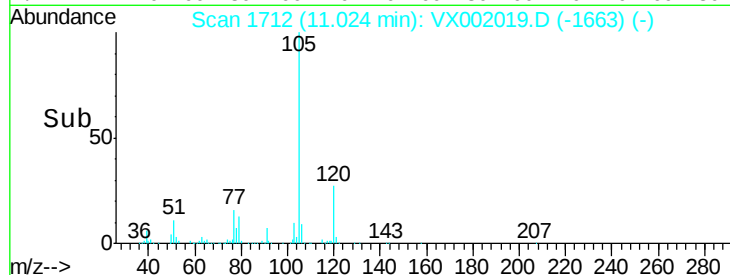
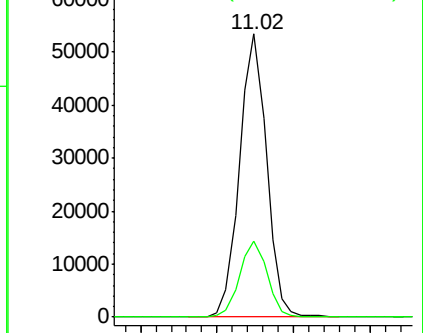
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Tgt Ion: 43 Resp: 1216

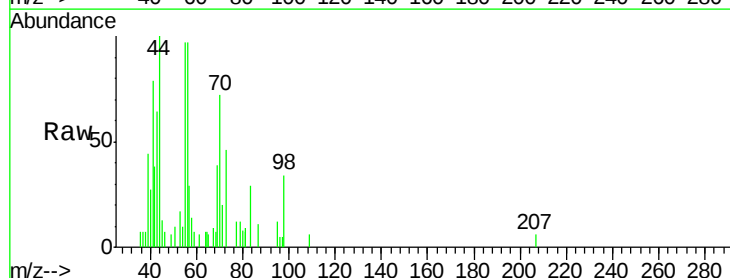
Ion Ratio Lower Upper

43 100

70 178.6 0.1 0.1#

55 184.2 0.1 0.1#

61 1.6 14.5 21.7#

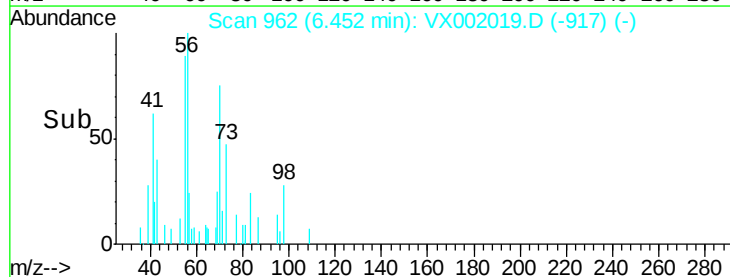
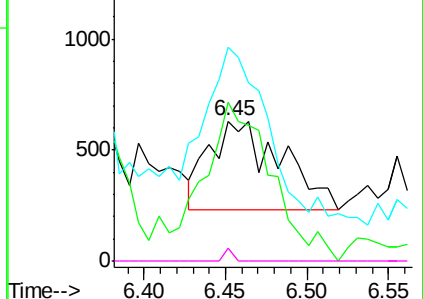


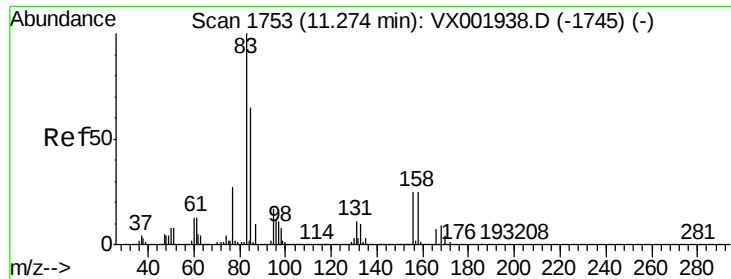
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

ClientSampled :

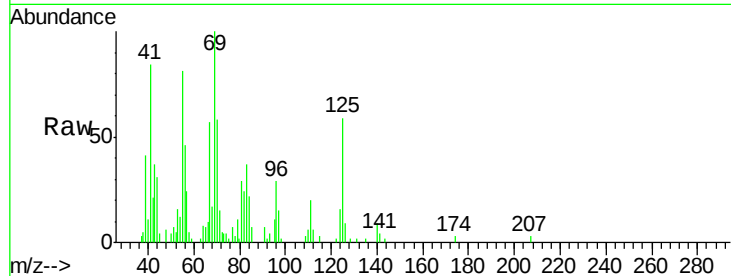
Tot Ion: 83 Resp: 1575

Ion Ratio Lower Upper

83 100

131 4.8 5.7 17.0#

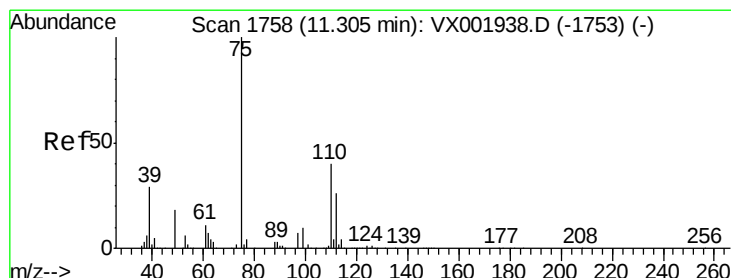
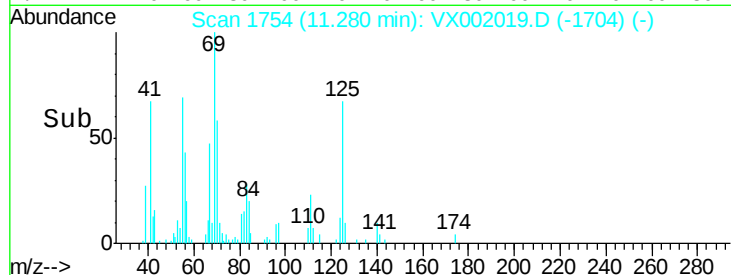
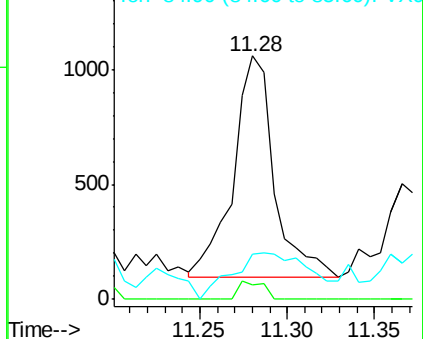
85 38.5 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002019.D

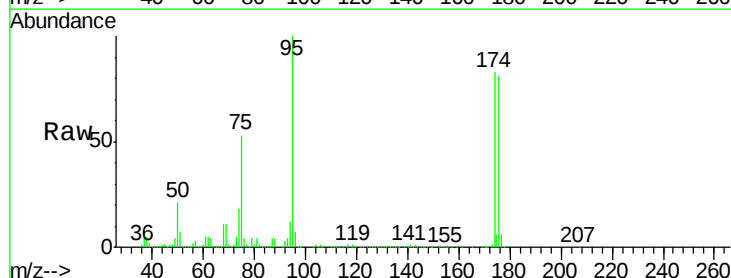
Acq: 26 May 2018 15:15

Tgt Ion: 75 Resp: 146490

Ion Ratio Lower Upper

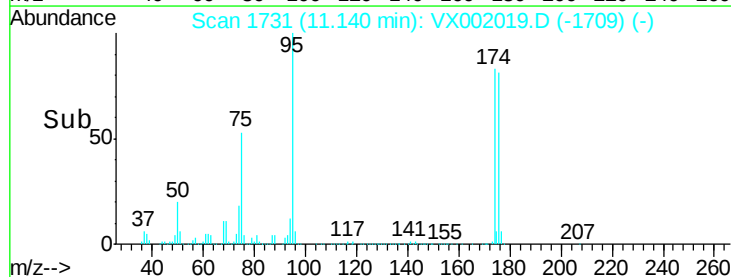
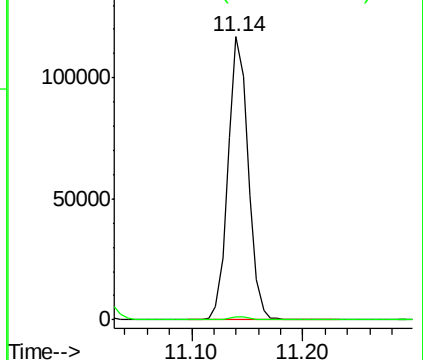
75 100

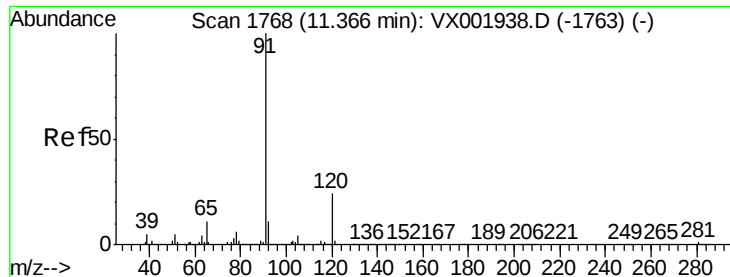
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 3.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

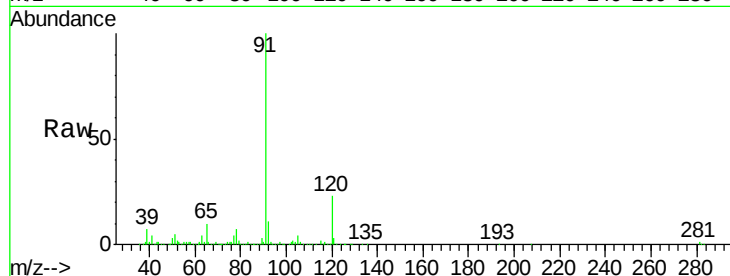
ClientSampled :

Tot Ion: 91 Resp: 85813

Ion Ratio Lower Upper

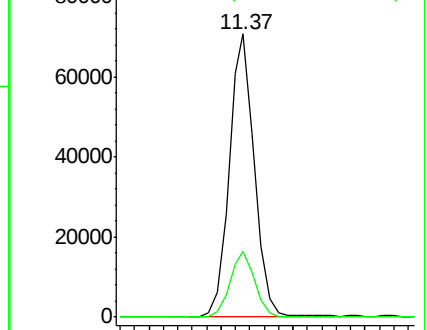
91 100

120 22.9 11.9 35.7

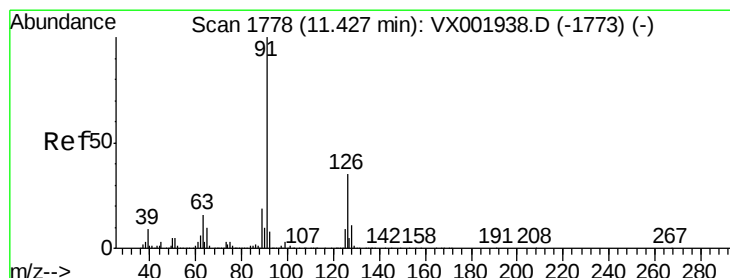
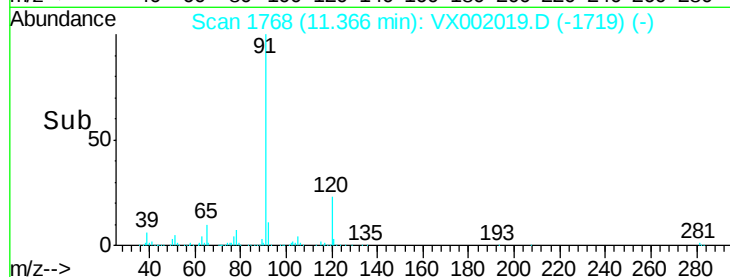


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40 11.45



#79

2-Chlorotoluene

Concen: 5.18 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.06 min

Lab File: VX002019.D

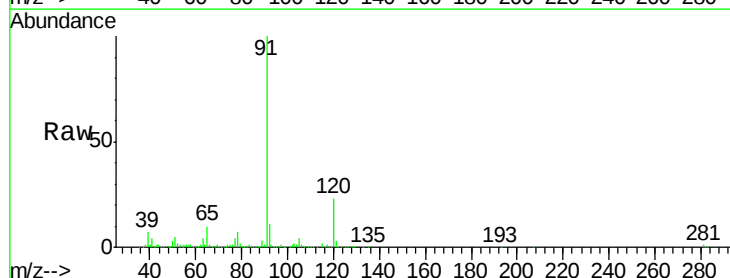
Acq: 26 May 2018 15:15

Tgt Ion: 91 Resp: 85813

Ion Ratio Lower Upper

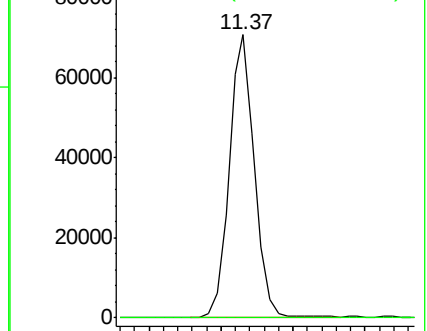
91 100

126 0.2 17.4 52.2#

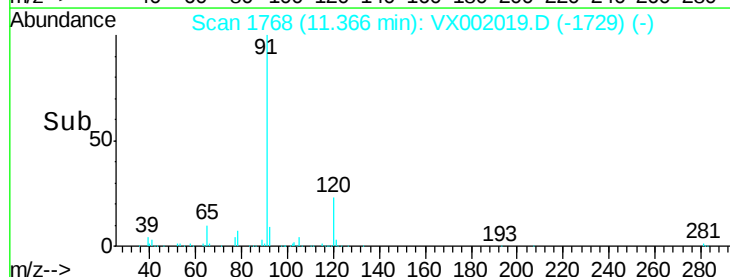


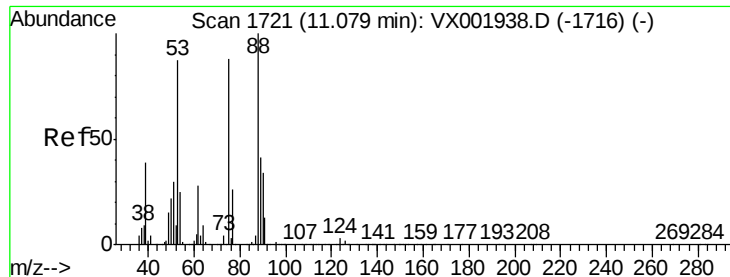
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.30 11.35 11.40 11.45





#81

trans-1,4-Dichloro-2-butene

Concen: 64.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

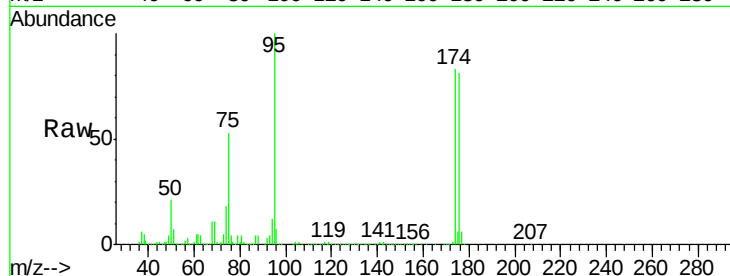
Tot Ion: 75 Resp: 146490

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

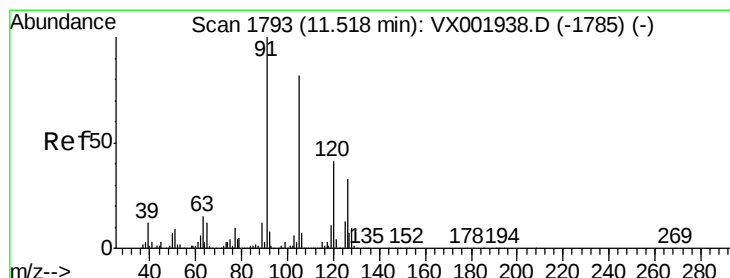
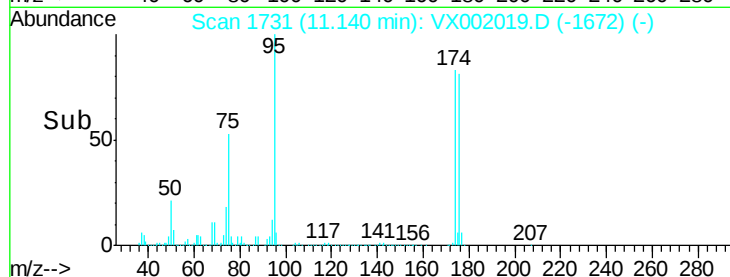
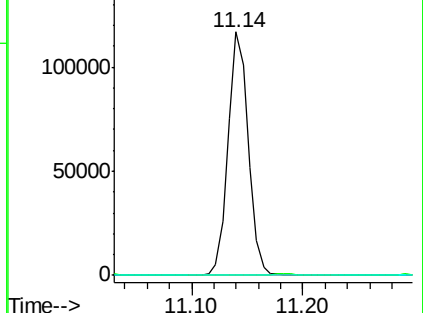
89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 5.63 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.15 min

Lab File: VX002019.D

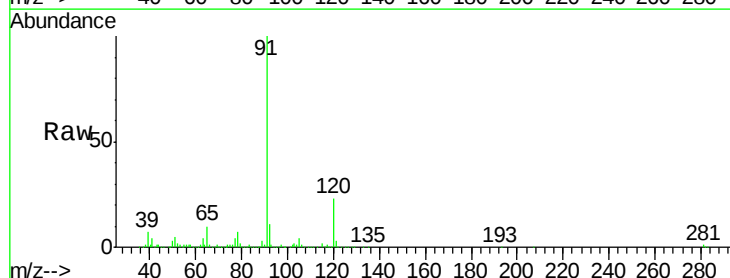
Acq: 26 May 2018 15:15

Tgt Ion: 91 Resp: 85813

Ion Ratio Lower Upper

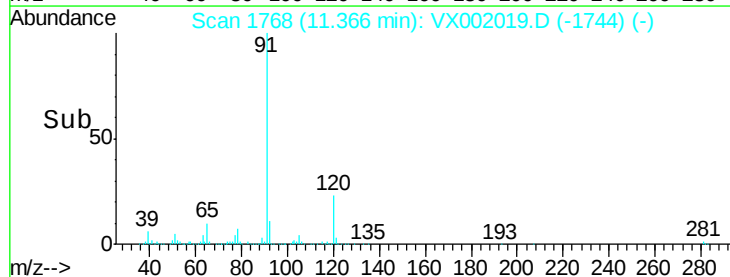
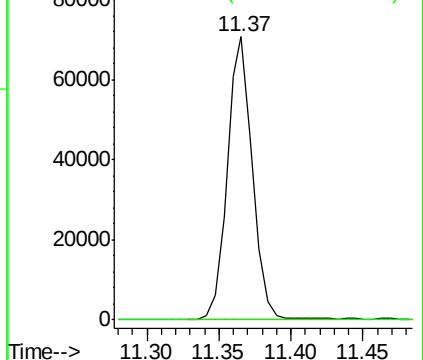
91 100

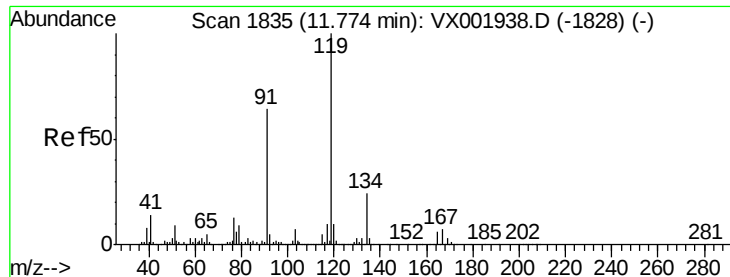
126 0.2 15.3 45.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.94 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

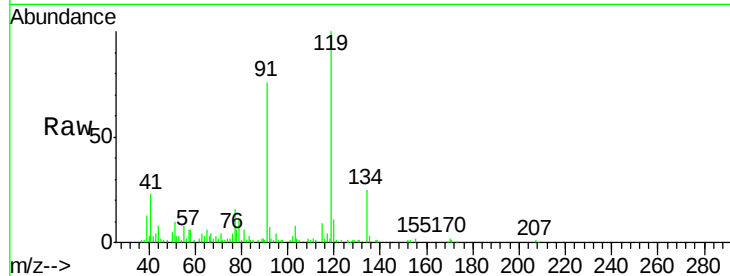
Tot Ion:119 Resp: 15277

Ion Ratio Lower Upper

119 100

91 72.2 30.6 91.8

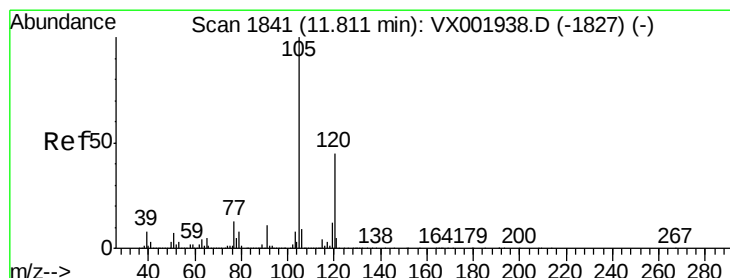
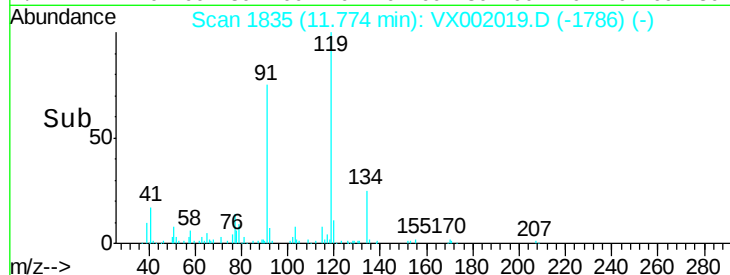
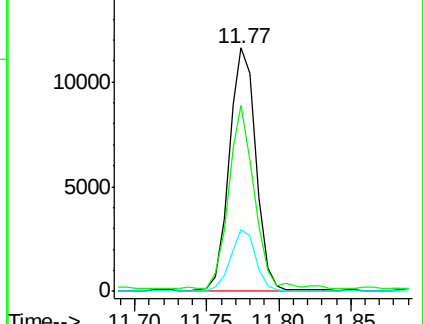
134 23.6 11.7 35.0



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: 3.86 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.14 min

Lab File: VX002019.D

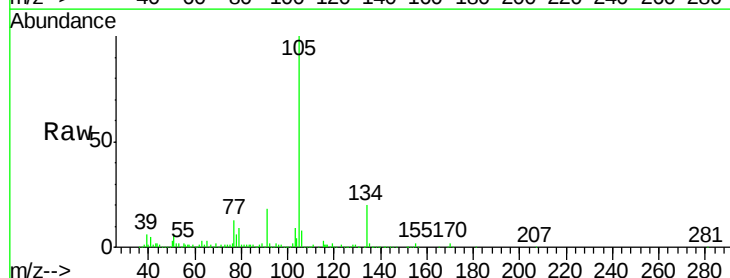
Acq: 26 May 2018 15:15

Tgt Ion:105 Resp: 65671

Ion Ratio Lower Upper

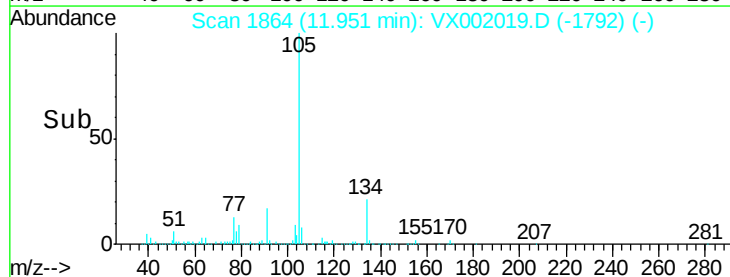
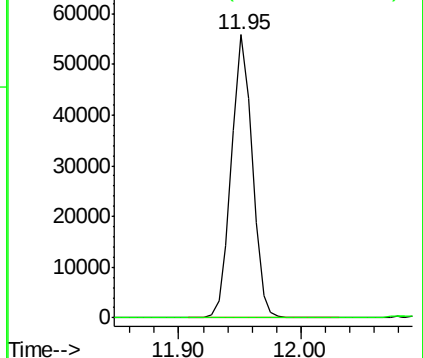
105 100

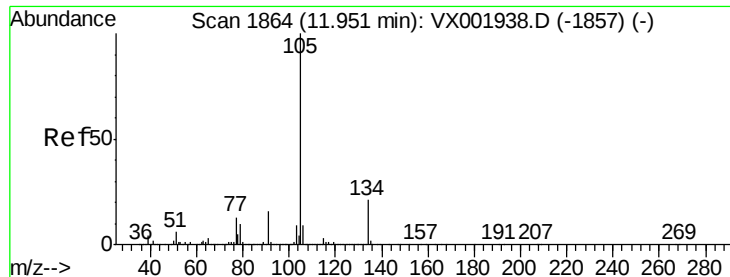
120 0.3 22.1 66.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.38 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

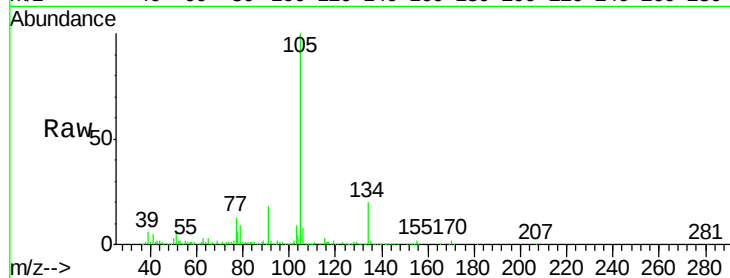
ClientSampleId :

Tot Ion:105 Resp: 65671

Ion Ratio Lower Upper

105 100

134 29.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

30000

20000

10000

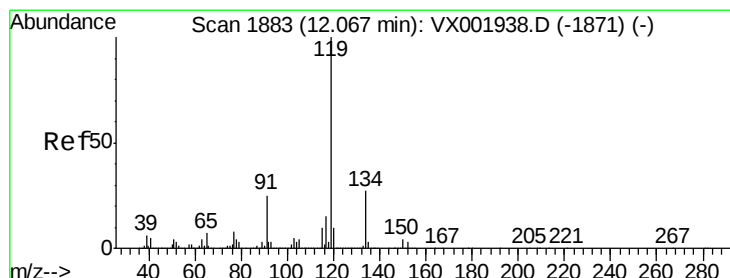
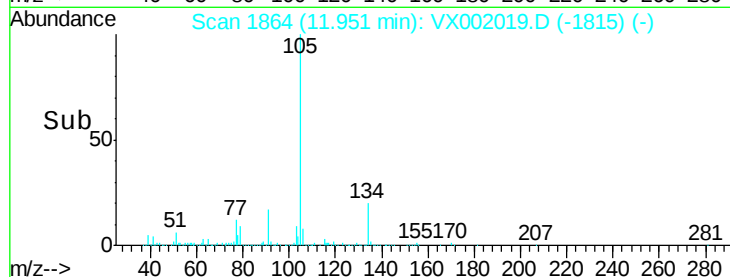
0

11.90

11.95

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 1.54 ug/l

RT: 12.24 min Scan# 1911

Delta R.T. 0.17 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

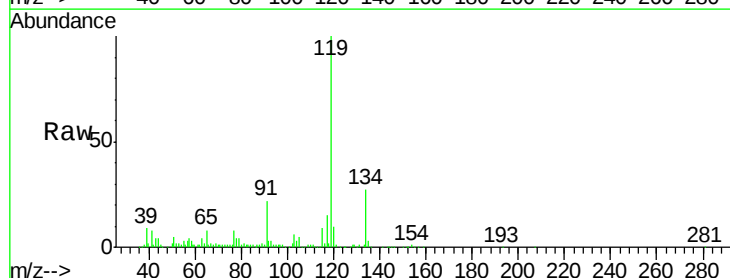
Tgt Ion:119 Resp: 26843

Ion Ratio Lower Upper

119 100

134 28.9 13.6 40.8

91 24.9 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

60000

40000

20000

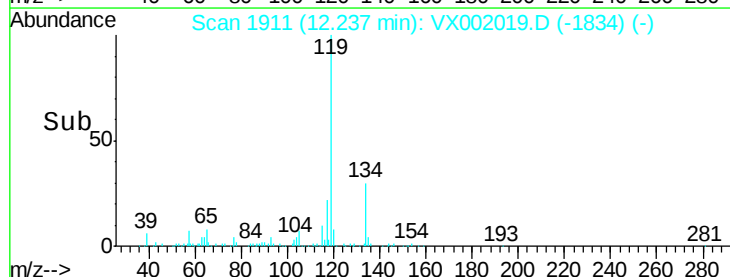
0

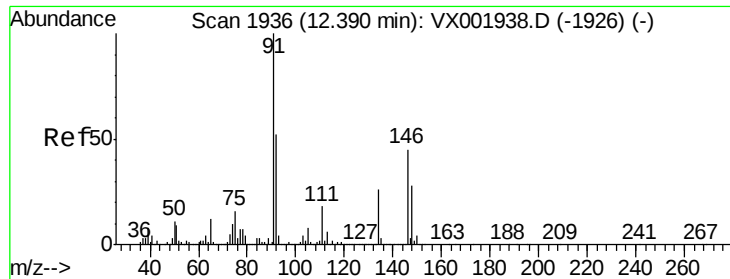
12.20

12.24

12.25

Time-->





#89

n-Butylbenzene

Concen: 1.15 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

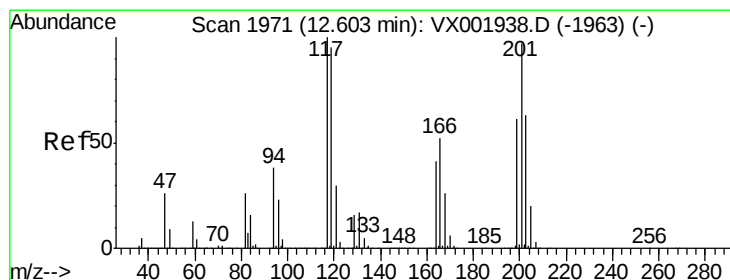
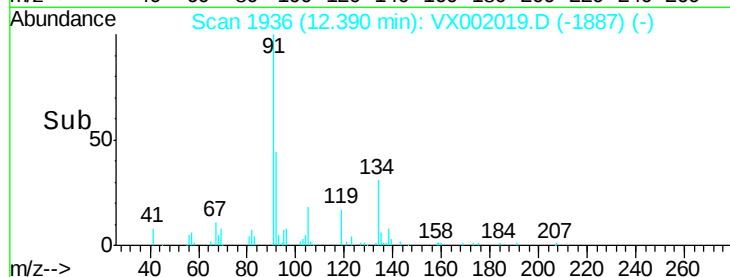
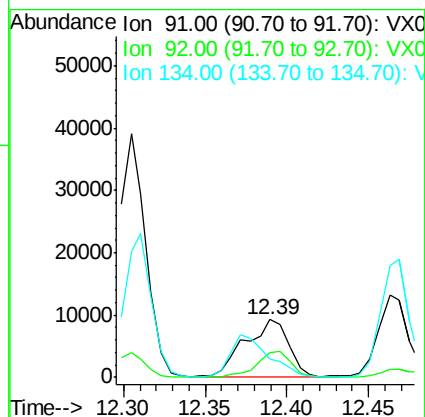
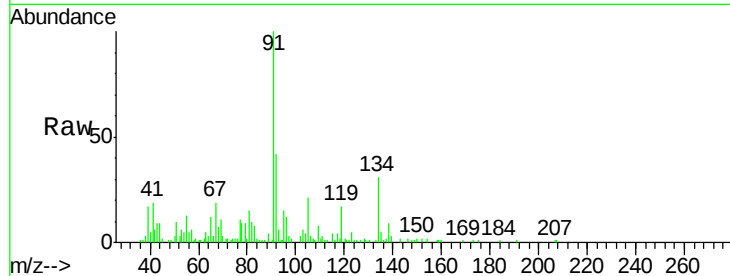
Tot Ion: 91 Resp: 16895

Ion Ratio Lower Upper

91 100

92 36.5 26.3 78.9

134 0.0 13.6 40.7#



#90

Hexachloroethane

Concen: 4.46 ug/l

RT: 12.68 min Scan# 1983

Delta R.T. 0.07 min

Lab File: VX002019.D

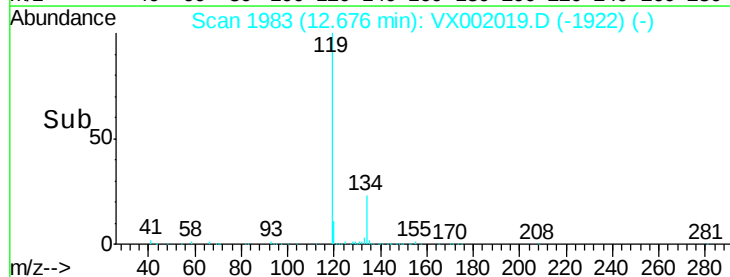
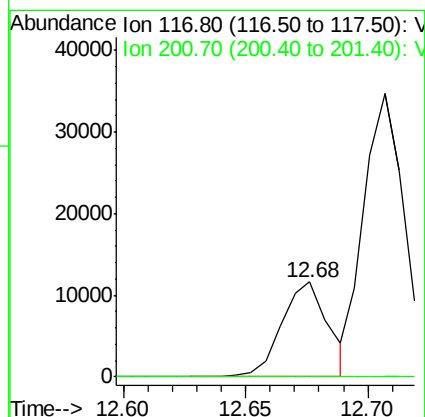
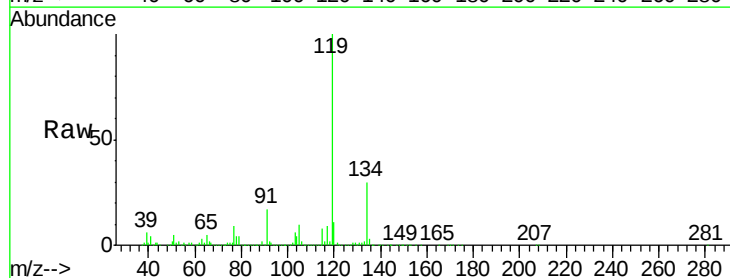
Acq: 26 May 2018 15:15

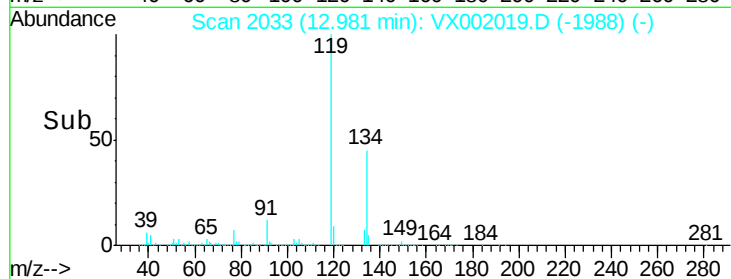
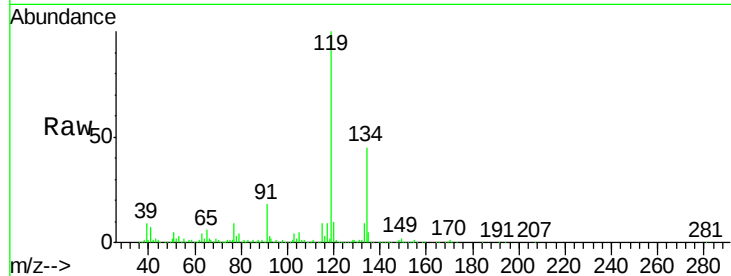
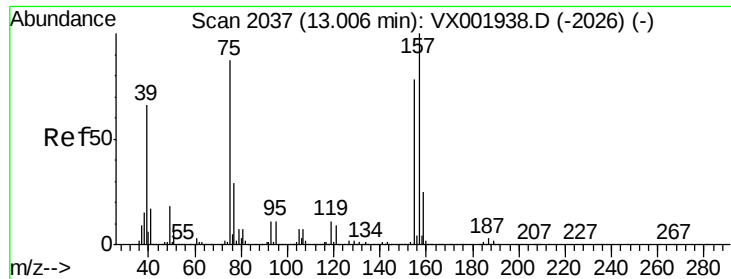
Tgt Ion: 117 Resp: 15286

Ion Ratio Lower Upper

117 100

201 0.0 48.0 144.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.12 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX002019.D

Acq: 26 May 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 1921

Ion Ratio Lower Upper

75 100

155 312.3 45.1 135.2#

157 14.1 58.1 174.2#

