

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007787.D
 Acq On : 01 Mar 2019 14:07
 Operator : JC/SP
 Sample : K1349-13
 Misc : 3.14g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-022719-A

Quant Time: Mar 01 22:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	273474	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	423654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	409232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156237	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	5.51	113	129575	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
50) Toluene-d8	8.71	98	523215	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.14	95	199570	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

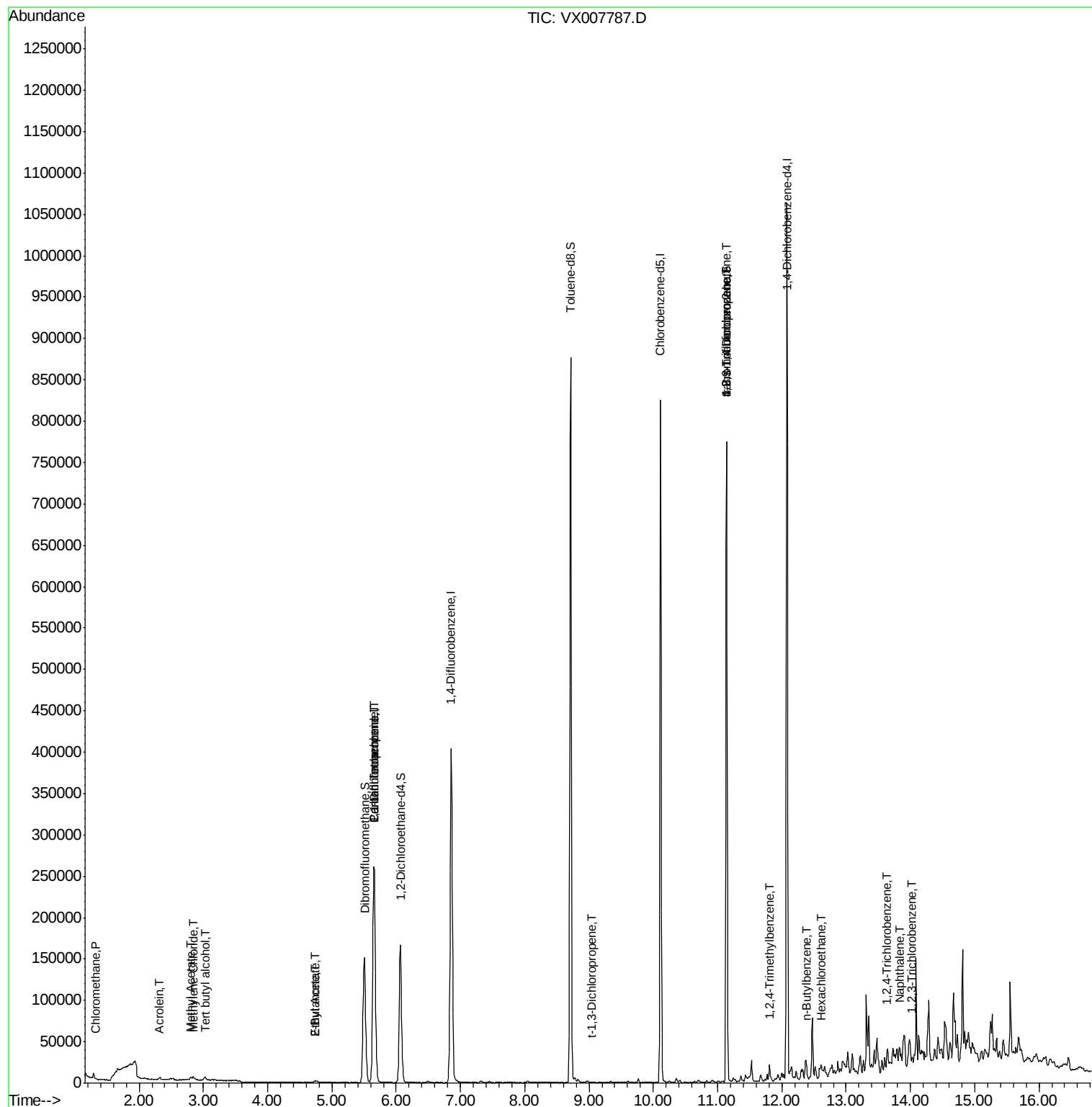
					Qvalue	
3) Chloromethane	1.33	50	702	0.251	ug/l	94
5) Bromomethane	1.64	94	965	Below Cal		82
11) Tert butyl alcohol	3.03	59	2492	3.877	ug/l #	78
13) Acrolein	2.31	56	289	0.506	ug/l #	69
18) Methyl Acetate	2.80	43	3749	1.141	ug/l	98
20) Methylene Chloride	2.84	84	1772	0.637	ug/l #	88
25) 2-Butanone	4.74	43	4313	1.880	ug/l	94
36) 1,1-Dichloropropene	5.65	75	18009	4.728	ug/l #	47
37) Ethyl Acetate	4.74	43	4313	1.019	ug/l #	55
38) Carbon Tetrachloride	5.65	117	23914	6.250	ug/l #	17
53) t-1,3-Dichloropropene	9.05	75	127	2.829	ug/l #	82
76) 1,2,3-Trichloropropane	11.14	75	93733	19.693	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	93733	52.605	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	8254	0.615	ug/l	99
89) n-Butylbenzene	12.39	91	4436	0.360	ug/l #	54
90) Hexachloroethane	12.61	117	511	0.219	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.65	180	958	0.211	ug/l #	52
95) Naphthalene	13.83	128	13077	0.890	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.02	180	1045	0.229	ug/l #	45

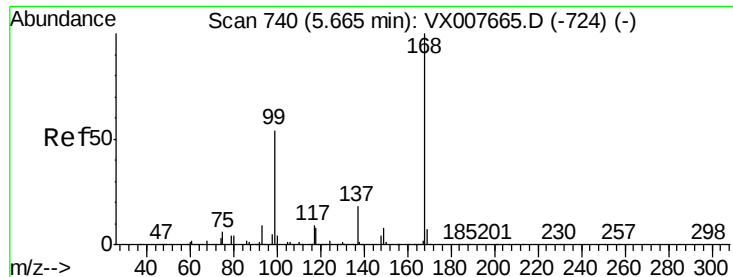
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

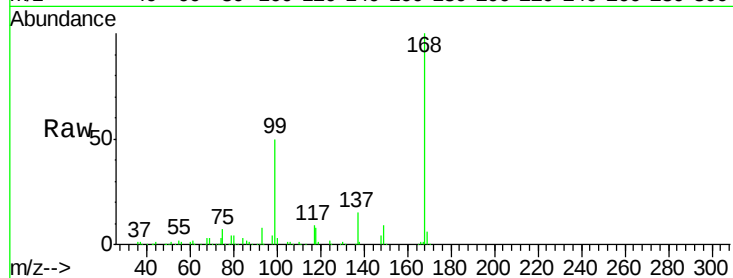
OR-03-022719-A

Tot Ion:168 Resp: 273474

Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

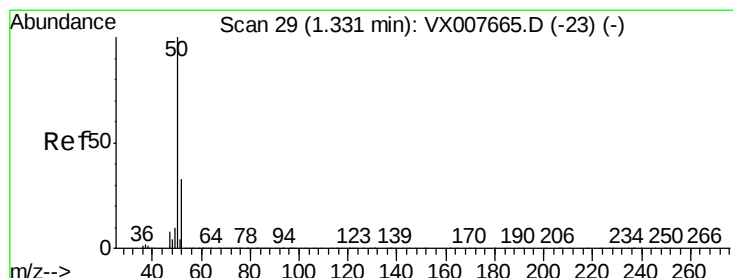
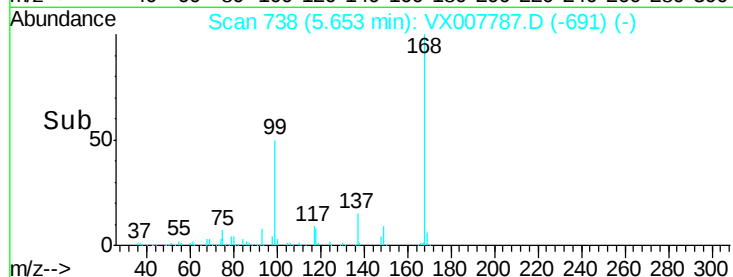
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007787.D

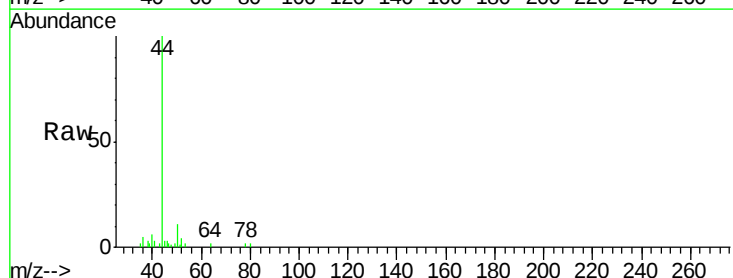
Acq: 01 Mar 2019 14:07

Tgt Ion: 50 Resp: 702

Ion Ratio Lower Upper

50 100

52 36.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

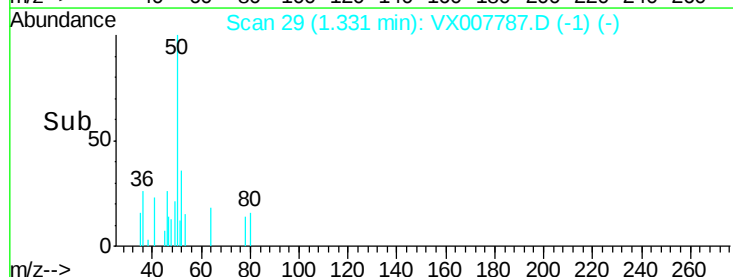
300

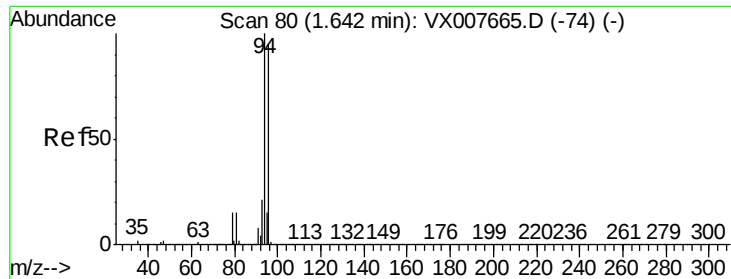
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

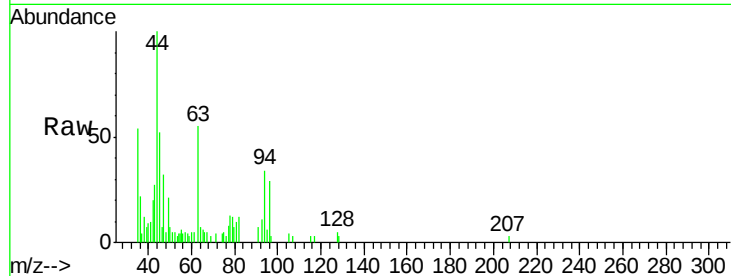
OR-03-022719-A

Tot Ion: 94 Resp: 965

Ion Ratio Lower Upper

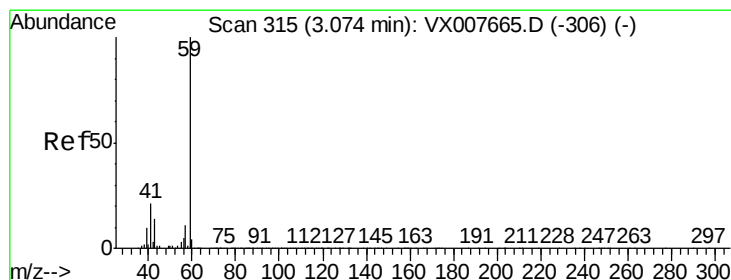
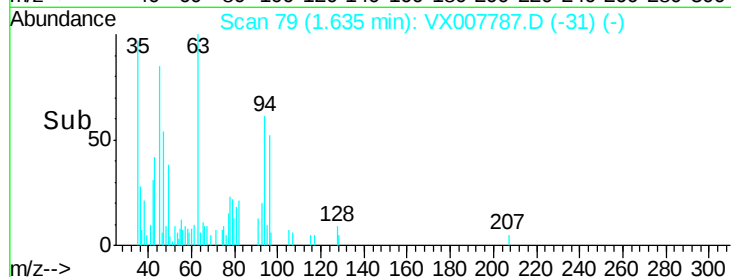
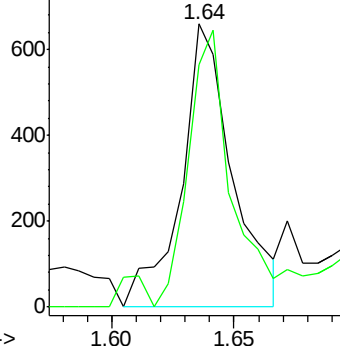
94 100

96 75.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 3.877 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007787.D

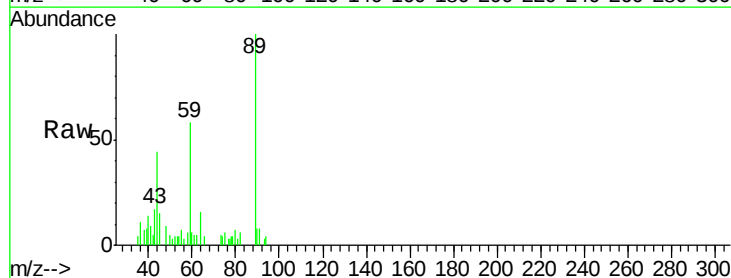
Acq: 01 Mar 2019 14:07

Tgt Ion: 59 Resp: 2492

Ion Ratio Lower Upper

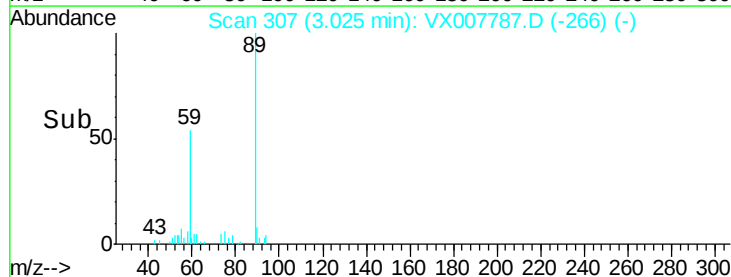
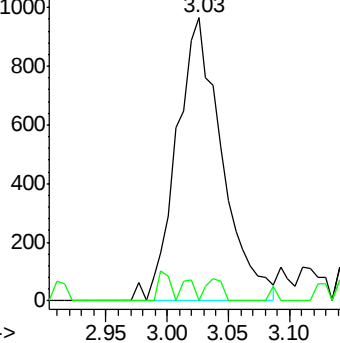
59 100

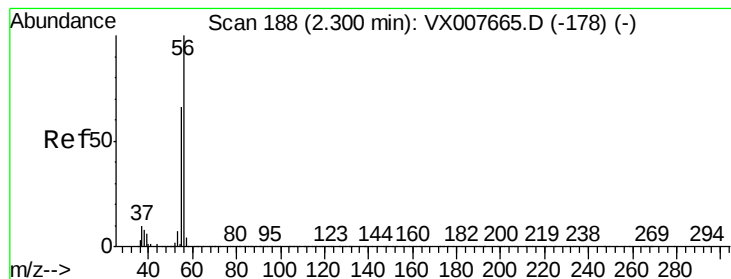
57 2.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.506 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

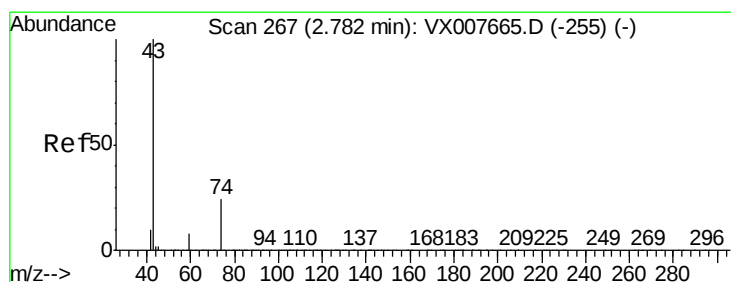
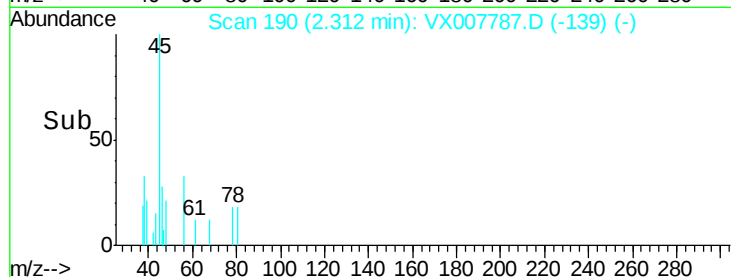
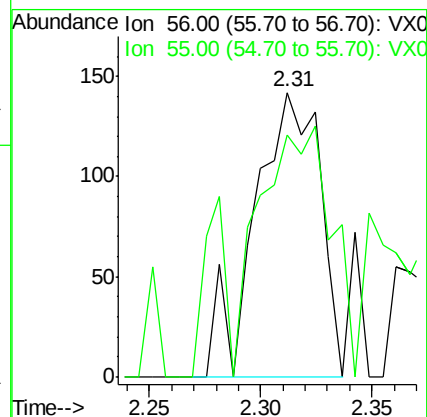
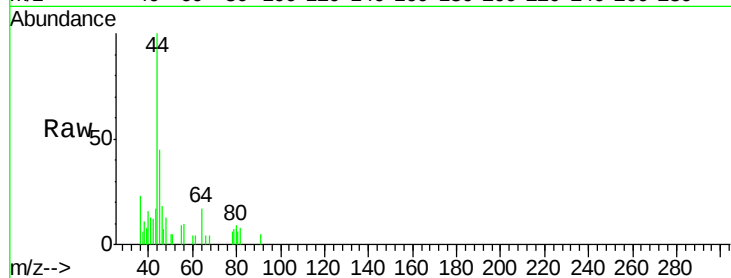
OR-03-022719-A

Tot Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 96.5 56.9 85.3#



#18

Methyl Acetate

Concen: 1.141 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX007787.D

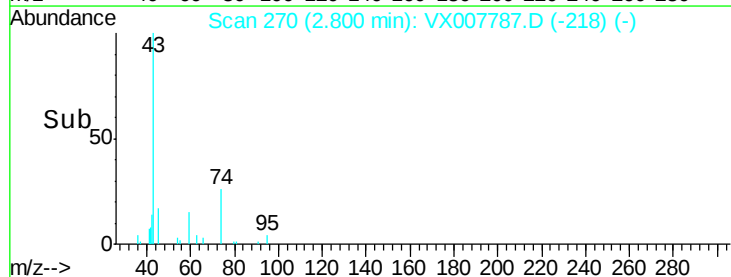
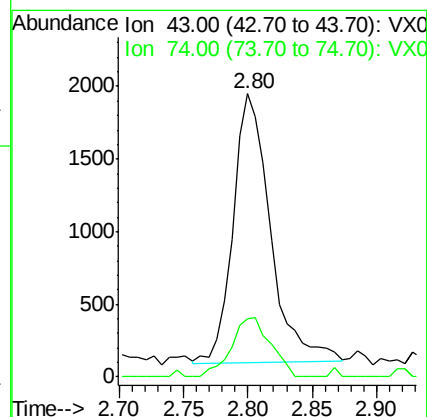
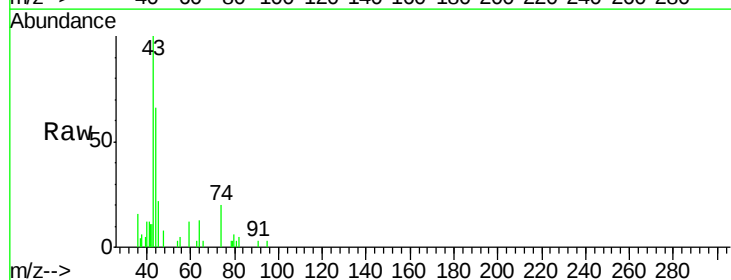
Acq: 01 Mar 2019 14:07

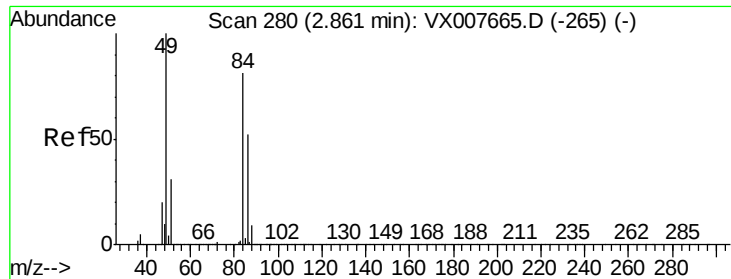
Tgt Ion: 43 Resp: 3749

Ion Ratio Lower Upper

43 100

74 23.2 19.4 29.2

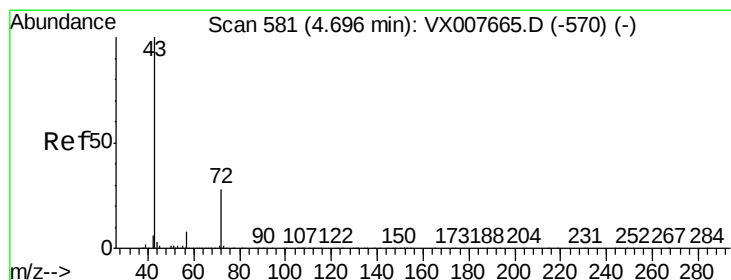
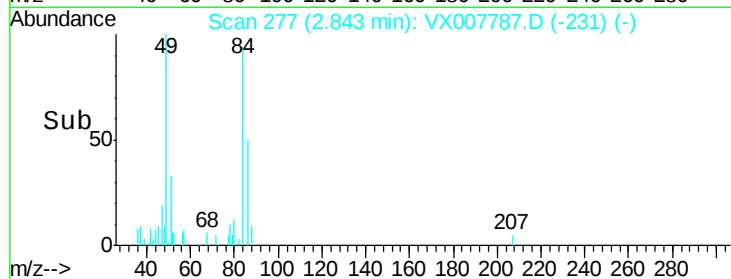
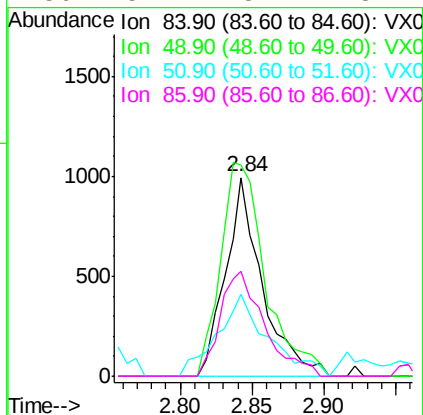
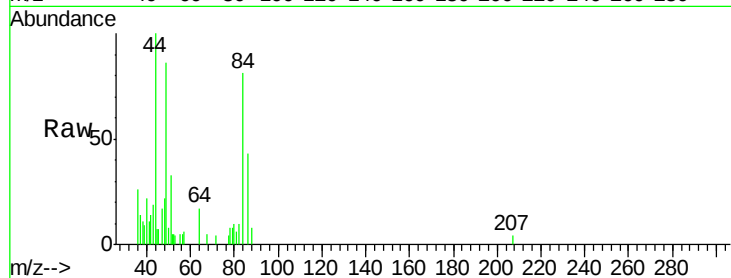




#20
Methvlene Chloride
Concen: 0.637 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

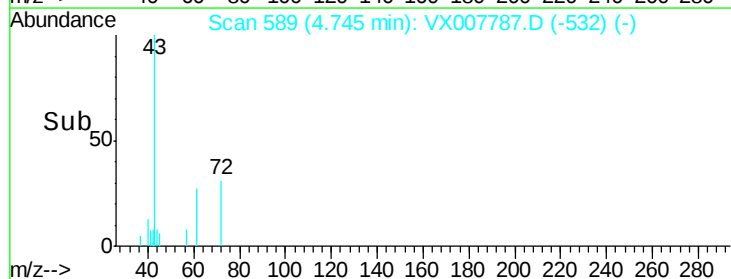
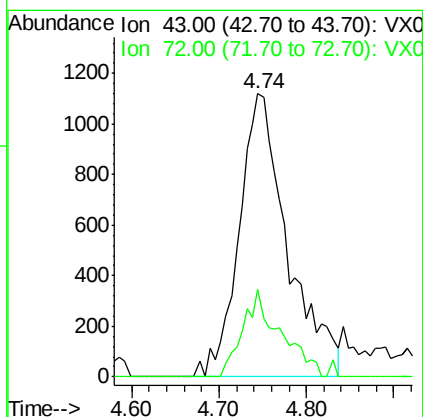
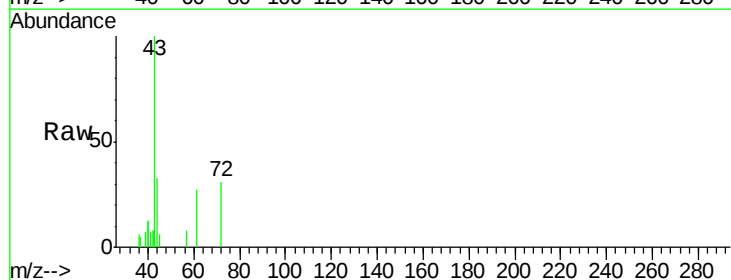
Instrument :
MSVOA_X
ClientSampleId :
OR-03-022719-A

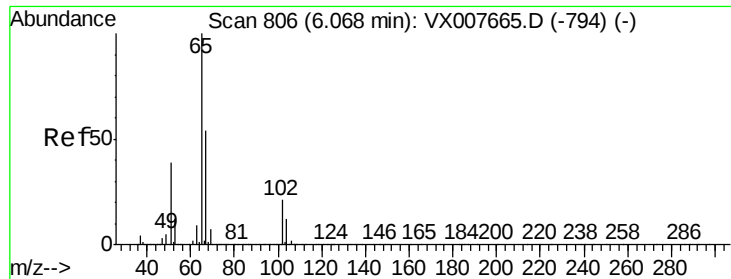
Tot Ion:	84	Resp:	1772
Ion	Ratio	Lower	Upper
84	100		
49	106.1	94.8	142.2
51	34.9	29.8	44.8
86	52.7	54.1	81.1#



#25
2-Butanone
Concen: 1.880 ug/l
RT: 4.74 min Scan# 589
Delta R.T. 0.05 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

Tgt Ion:	43	Resp:	4313
Ion	Ratio	Lower	Upper
43	100		
72	30.9	22.2	33.2





#33

1,2-Dichloroethane-d4

Concen: 46.122 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

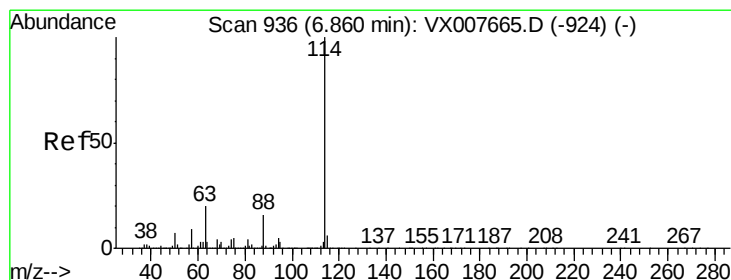
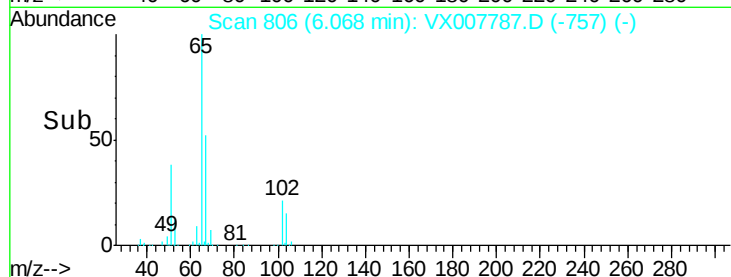
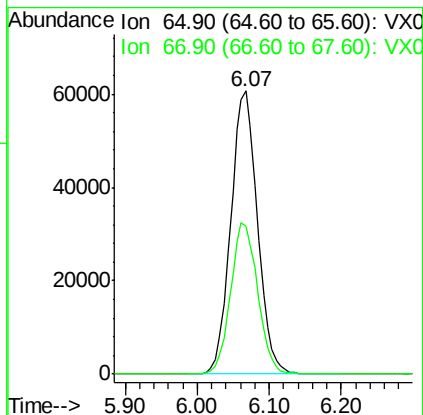
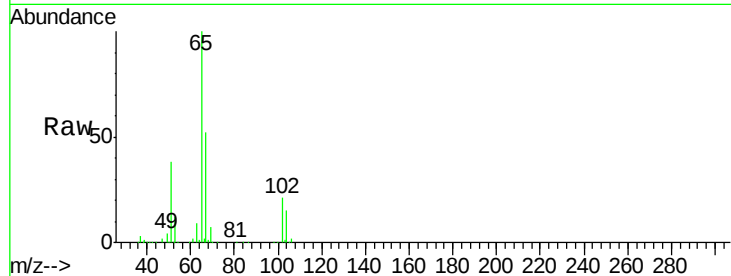
OR-03-022719-A

Tot Ion: 65 Resp: 156237

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

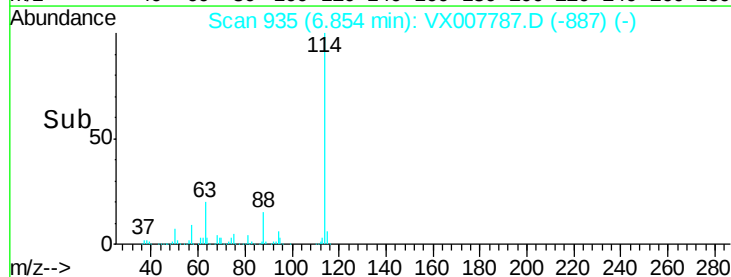
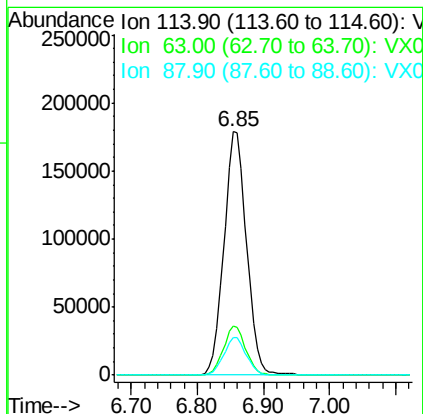
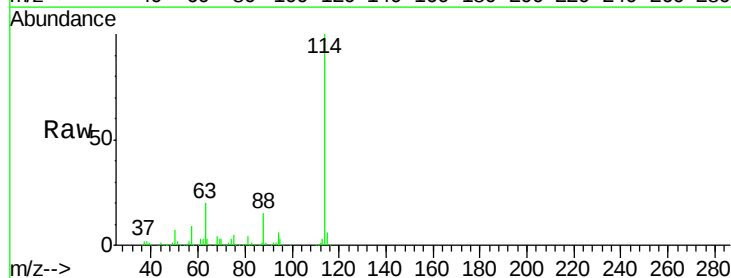
Tgt Ion: 114 Resp: 423654

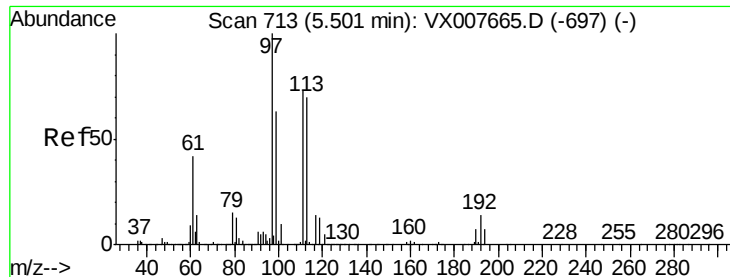
Ion Ratio Lower Upper

114 100

63 20.3 0.0 35.6

88 15.4 0.0 29.6

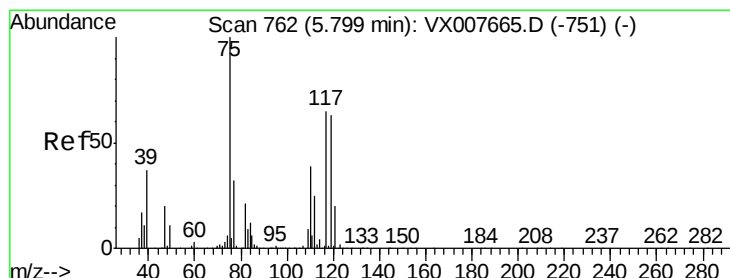
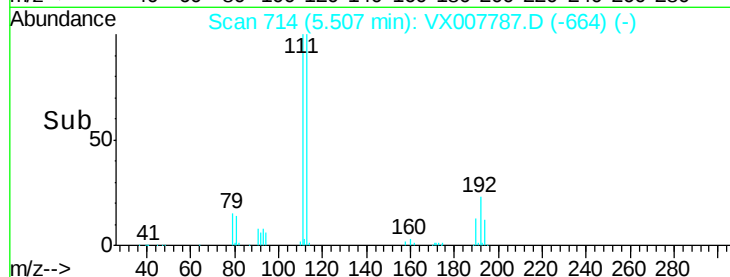
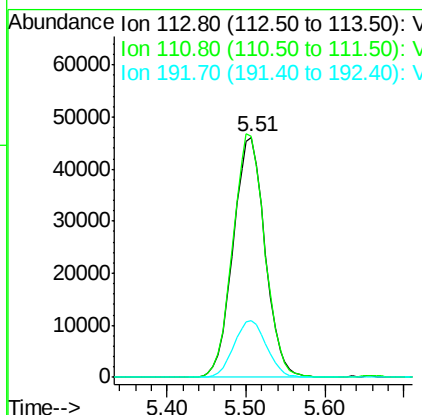
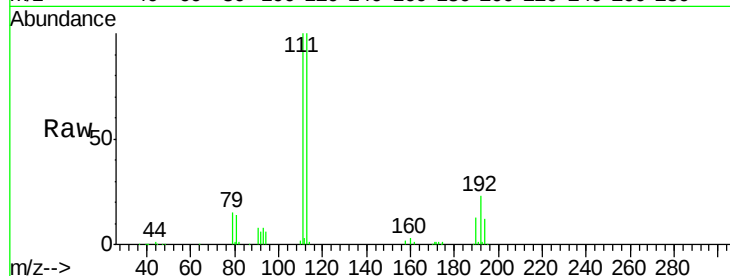




#35
 Dibromofluoromethane
 Concen: 45.754 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007787.D
 Acq: 01 Mar 2019 14:07

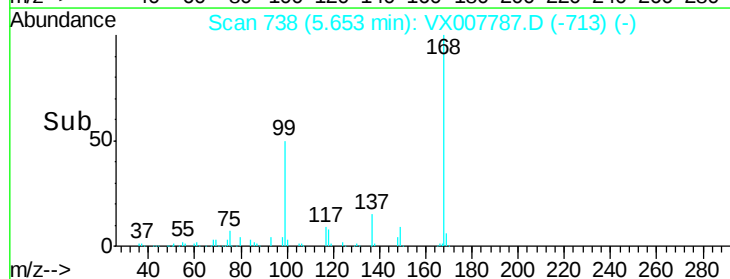
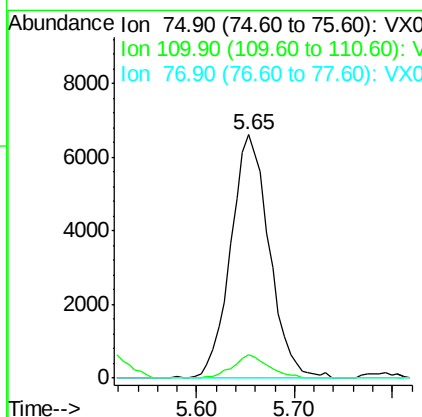
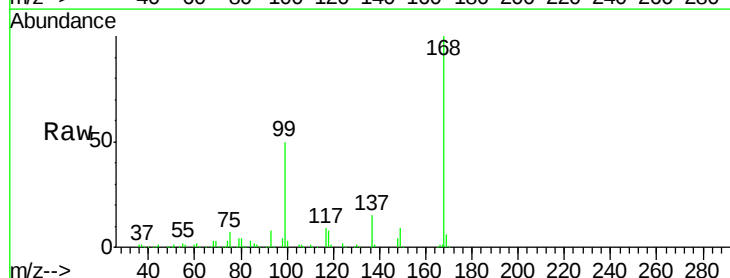
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-022719-A

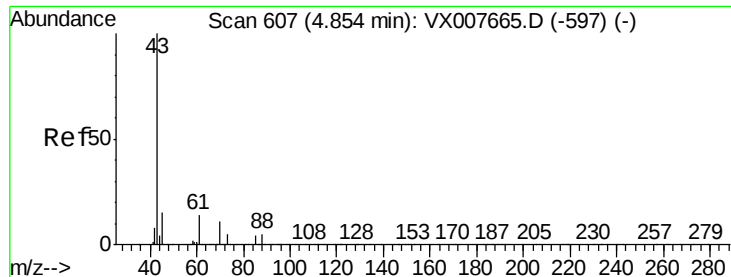
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	24.3	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX007787.D
 Acq: 01 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	20.0	59.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 1.019 ug/l

RT: 4.74 min Scan# 589

Delta R.T. -0.11 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

OR-03-022719-A

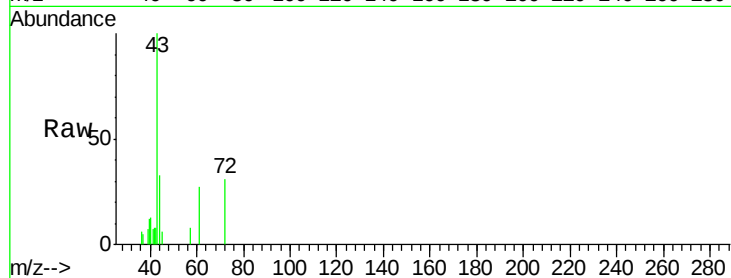
Tot Ion: 43 Resp: 4313

Ion Ratio Lower Upper

43 100

61 37.3 11.3 16.9#

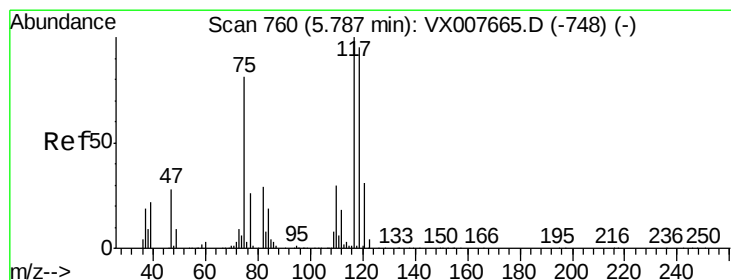
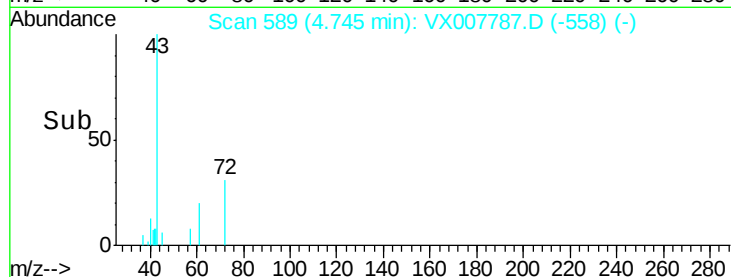
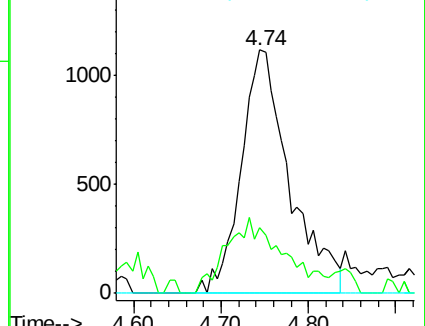
70 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.250 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

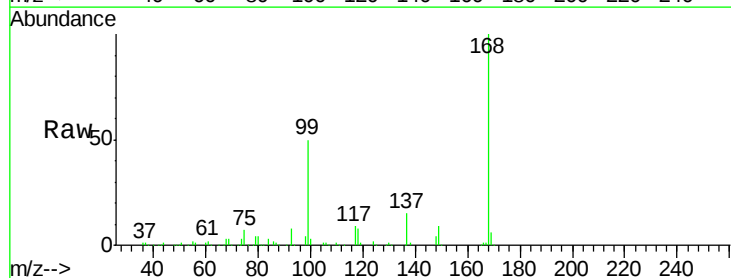
Tgt Ion: 117 Resp: 23914

Ion Ratio Lower Upper

117 100

119 6.0 75.3 112.9#

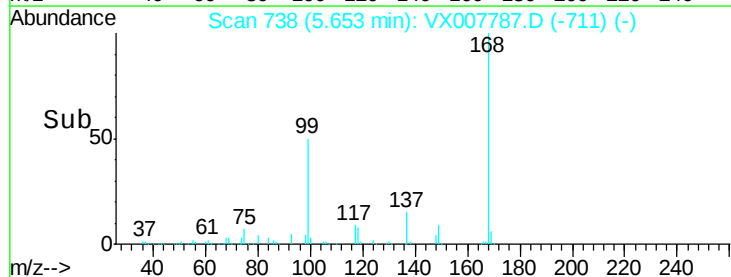
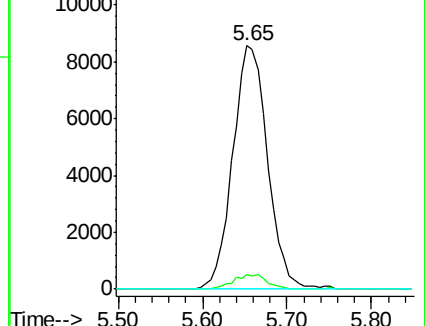
121 0.0 25.0 37.4#

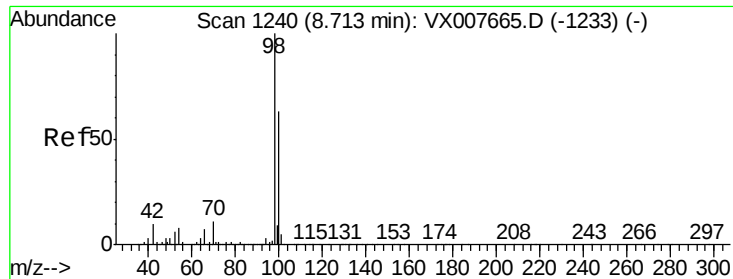


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

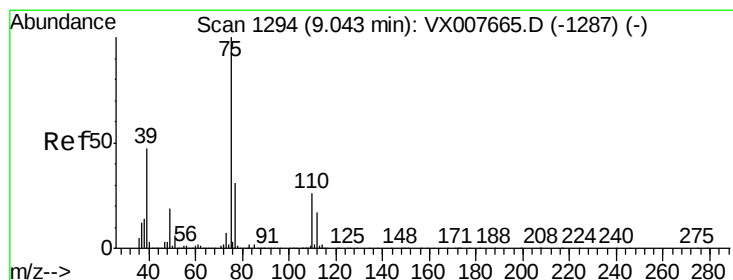
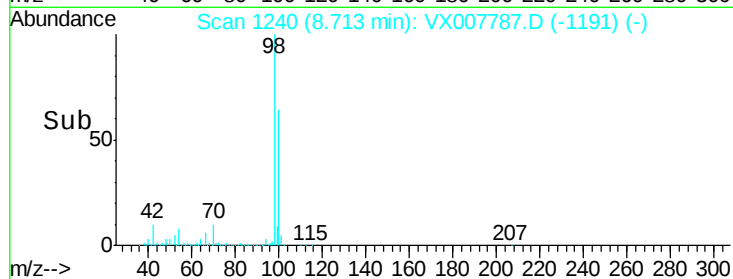
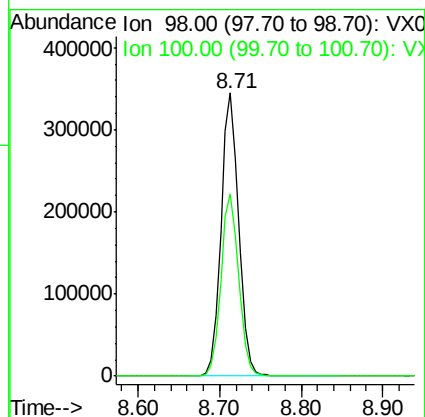
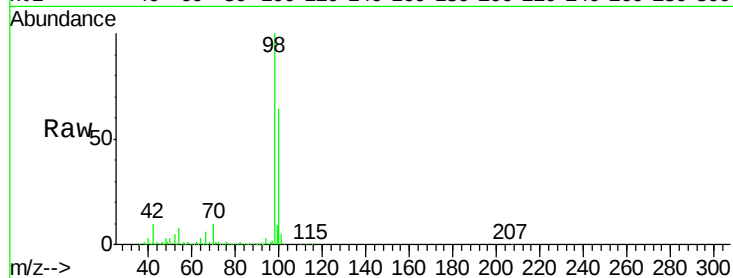




#50
Toluene-d8
Concen: 48.258 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

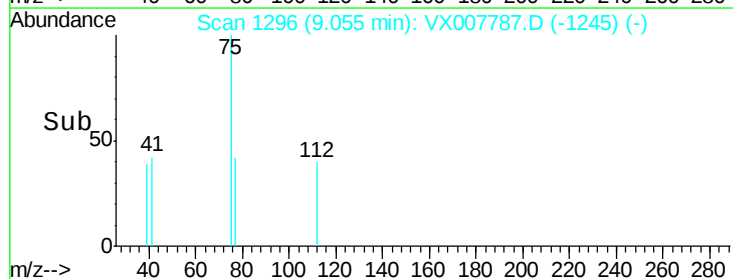
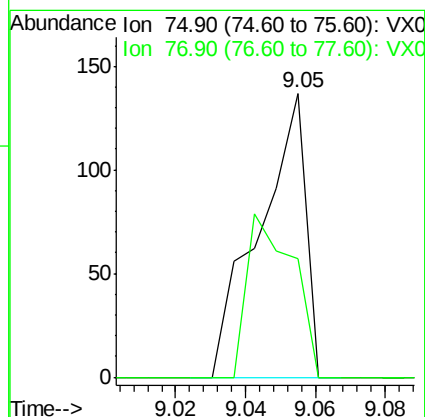
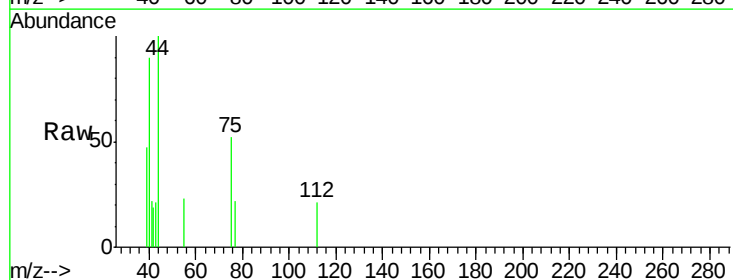
Instrument :
MSVOA_X
ClientSampleId :
OR-03-022719-A

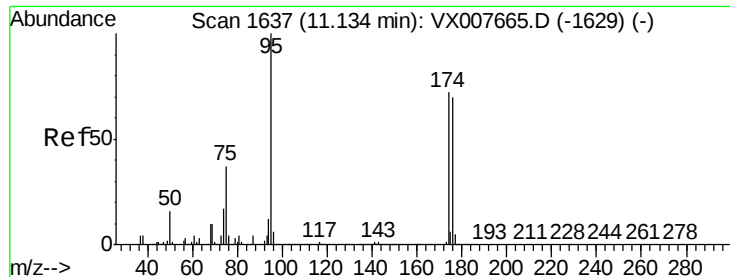
Tot Ion: 98 Resp: 523215
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#53
t-1,3-Dichloropropene
Concen: 2.829 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

Tgt Ion: 75 Resp: 127
Ion Ratio Lower Upper
75 100
77 41.6 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 50.151 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

OR-03-022719-A

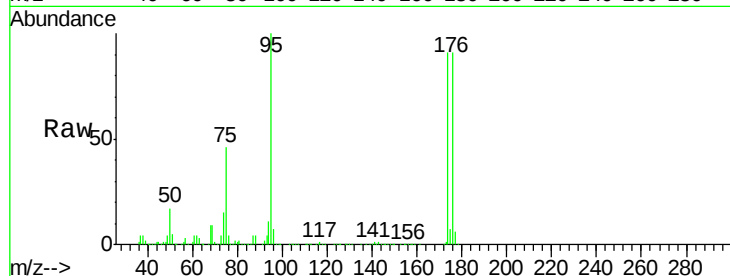
Tot Ion: 95 Resp: 199570

Ion Ratio Lower Upper

95 100

174 91.7 0.0 189.2

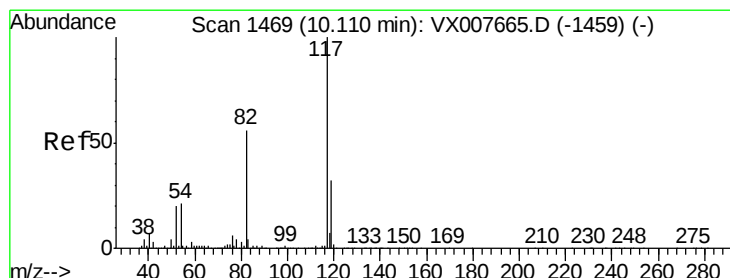
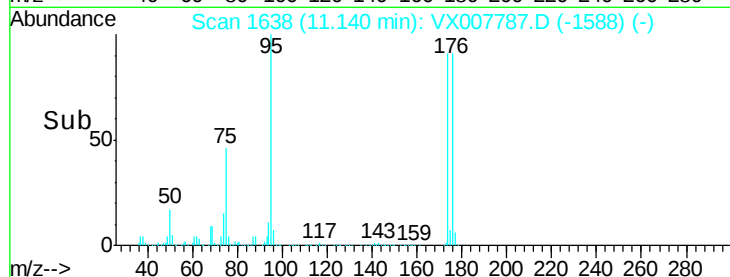
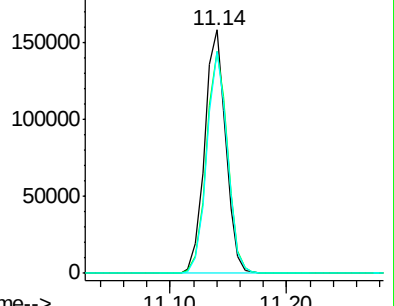
176 89.4 0.0 186.2



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

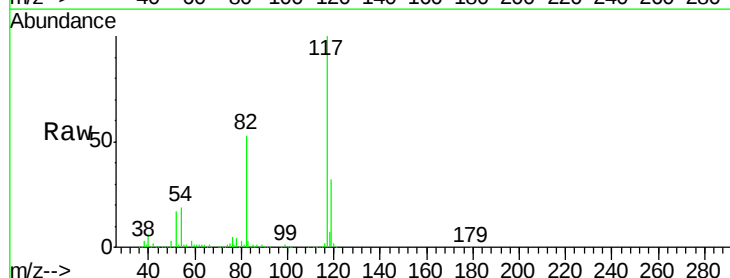
Tgt Ion: 117 Resp: 409232

Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

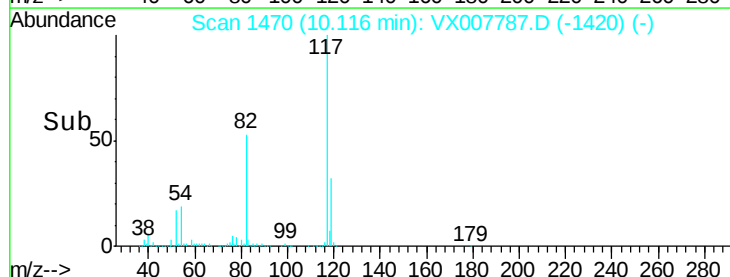
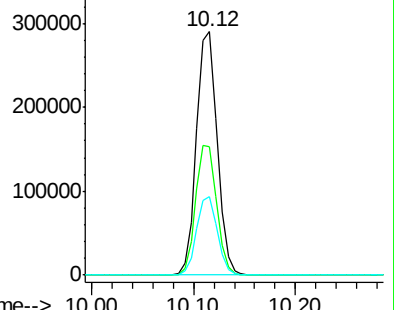
119 32.3 26.5 39.7

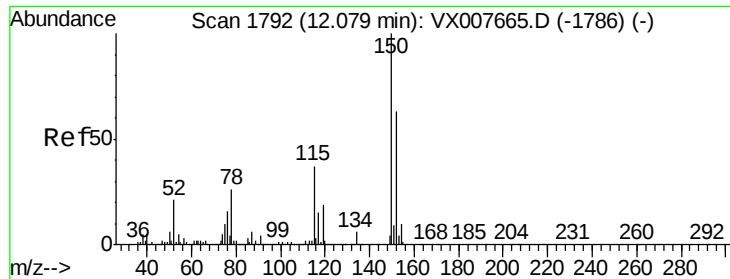


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



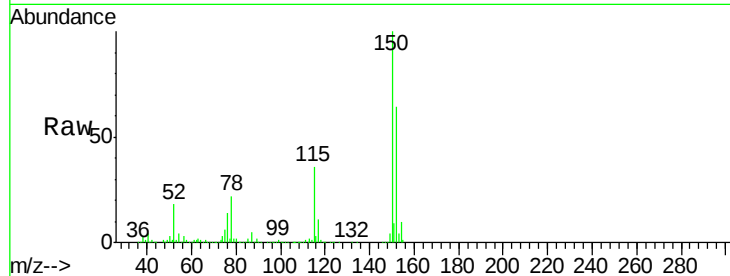


#72

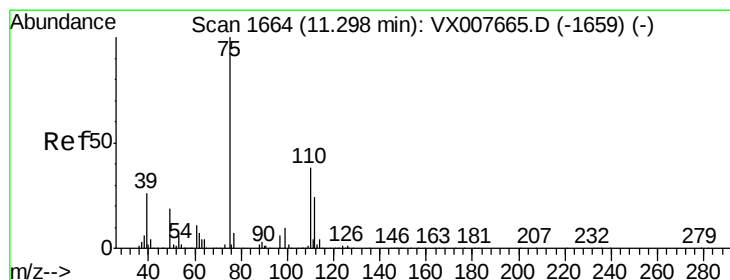
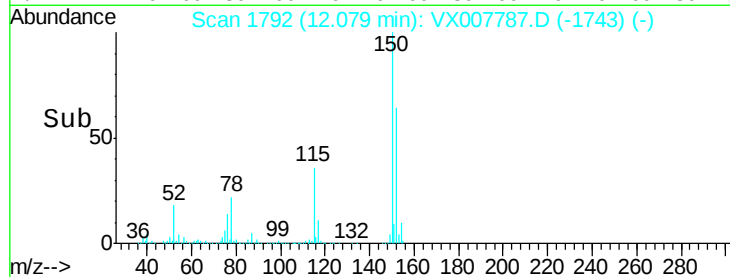
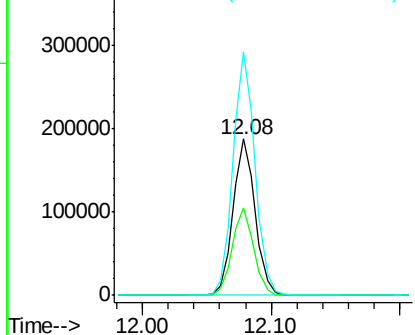
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
OR-03-022719-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.0	114.0
150	156.0	0.0	346.4



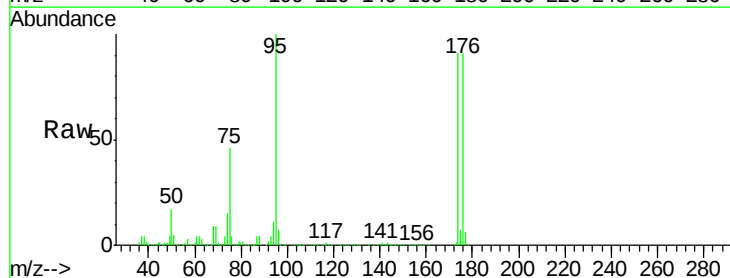
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



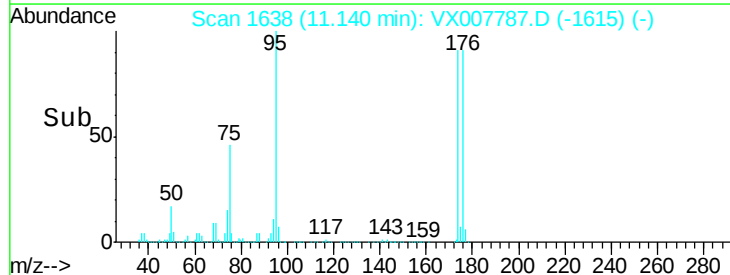
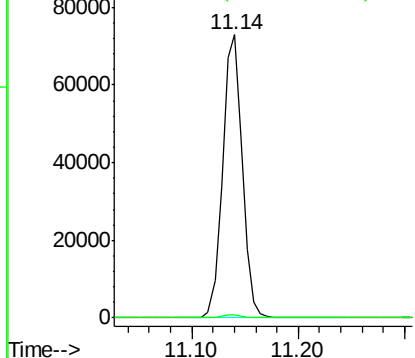
#76

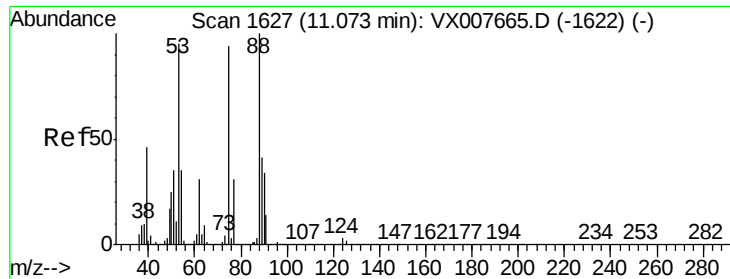
1,2,3-Trichloropropane
Concen: 19.693 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.605 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

OR-03-022719-A

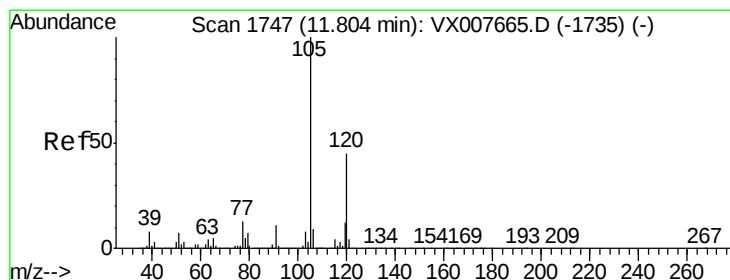
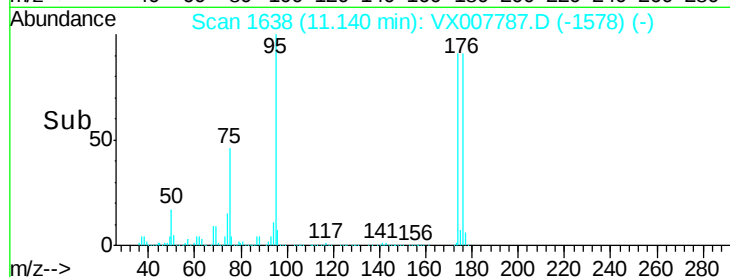
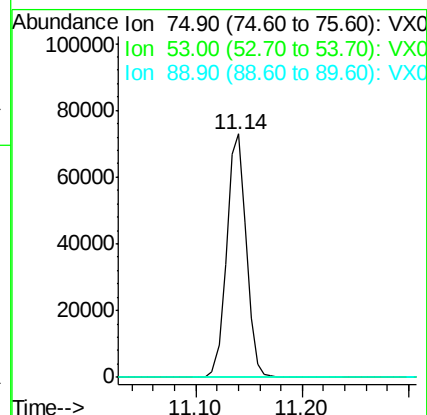
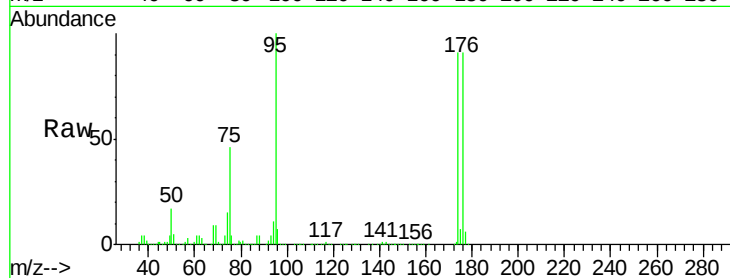
Tot Ion: 75 Resp: 93733

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#



#84

1,2,4-Trimethylbenzene

Concen: 0.615 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007787.D

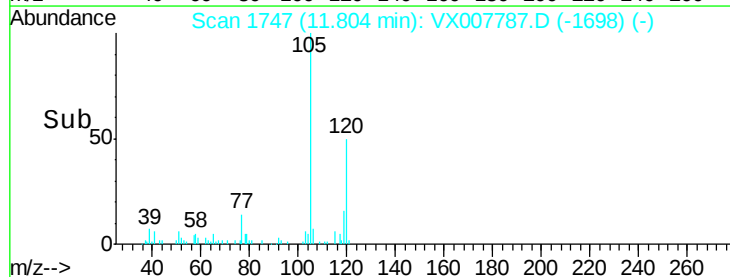
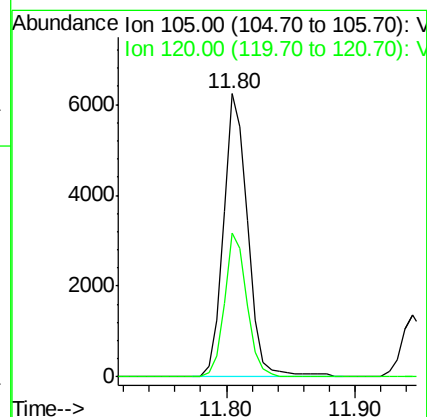
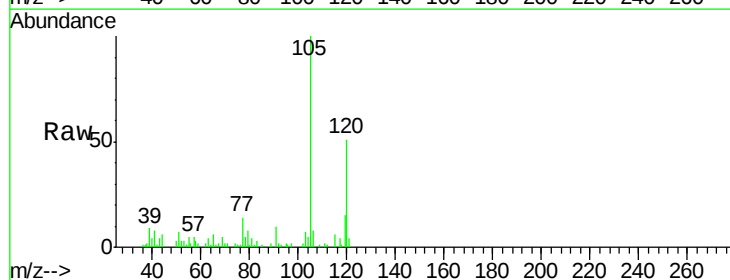
Acq: 01 Mar 2019 14:07

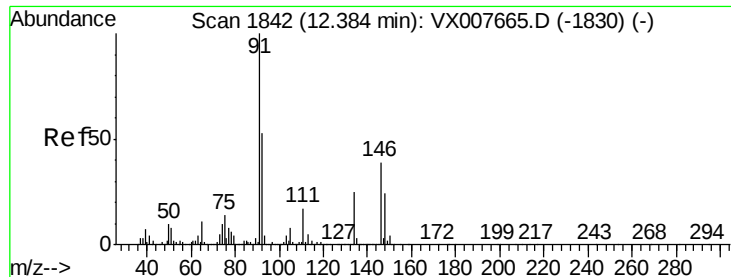
Tgt Ion: 105 Resp: 8254

Ion Ratio Lower Upper

105 100

120 46.7 23.1 69.3

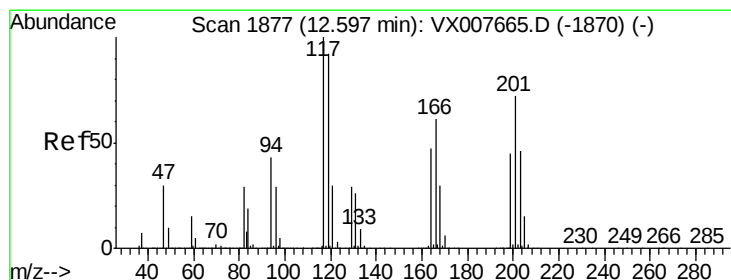
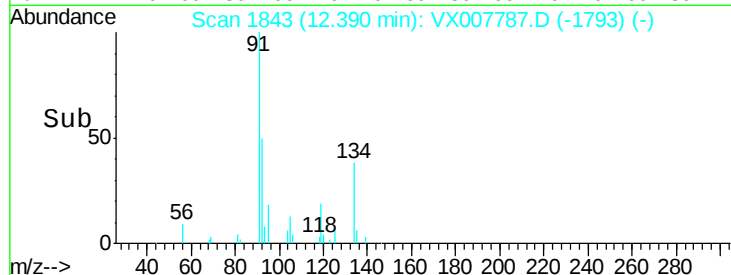
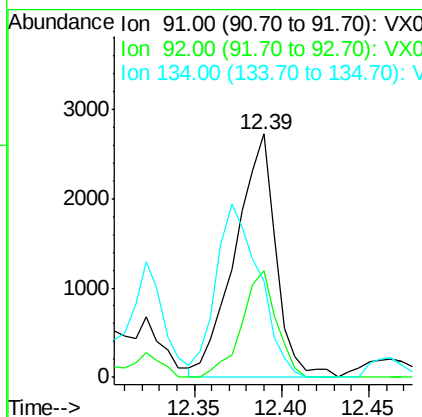
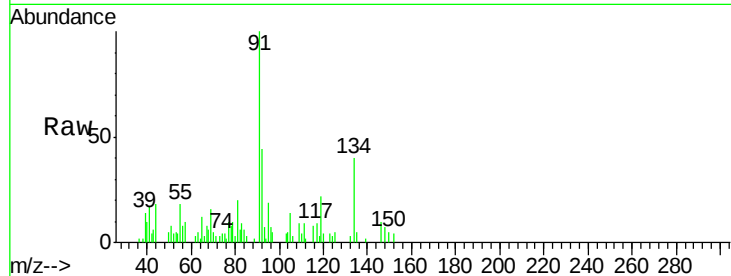




#89
n-Butylbenzene
Concen: 0.360 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

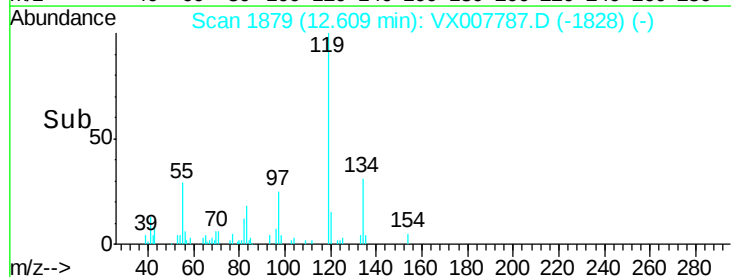
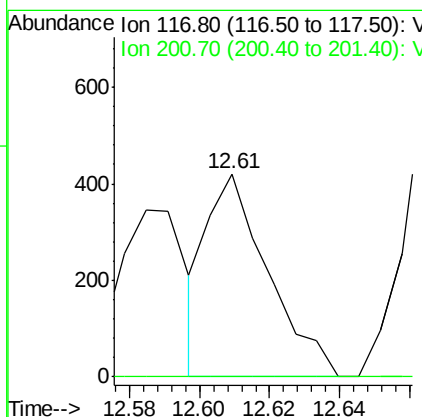
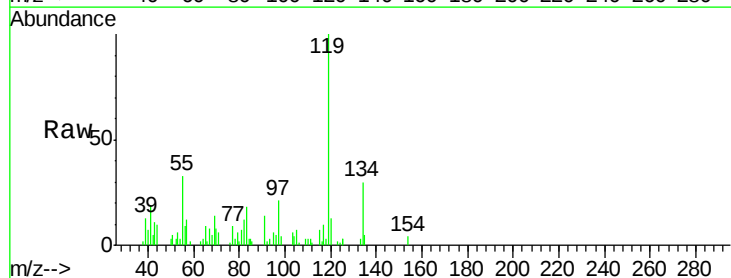
Instrument :
MSVOA_X
ClientSampled :
OR-03-022719-A

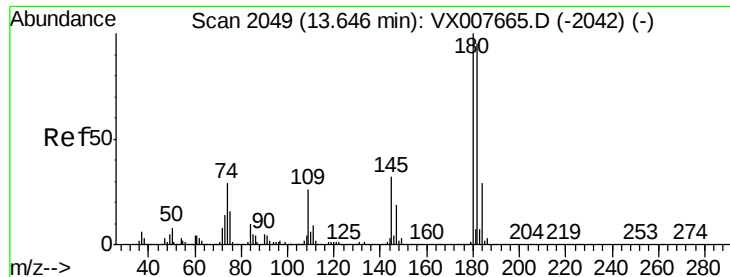
Tot Ion: 91 Resp: 4436
Ion Ratio Lower Upper
91 100
92 37.2 26.3 78.9
134 75.8 13.9 41.6#



#90
Hexachloroethane
Concen: 0.219 ug/l
RT: 12.61 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VX007787.D
Acq: 01 Mar 2019 14:07

Tgt Ion: 117 Resp: 511
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.7#





#93

1,2,4-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

OR-03-022719-A

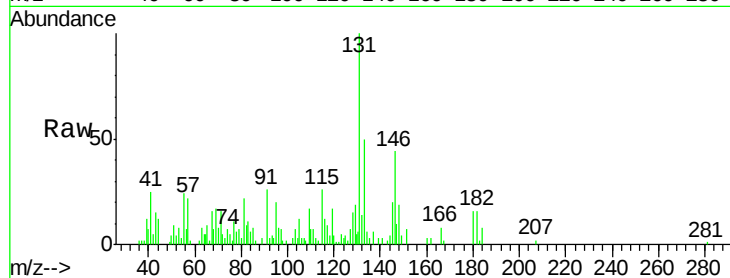
Tot Ion:180 Resp: 958

Ion Ratio Lower Upper

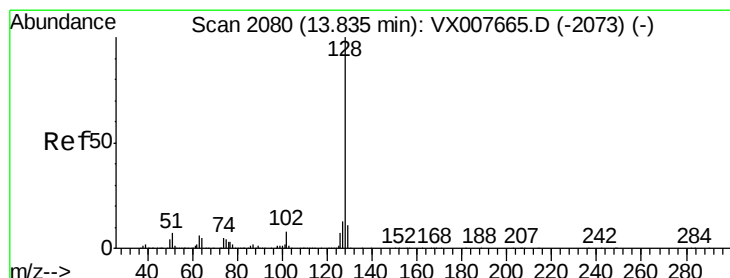
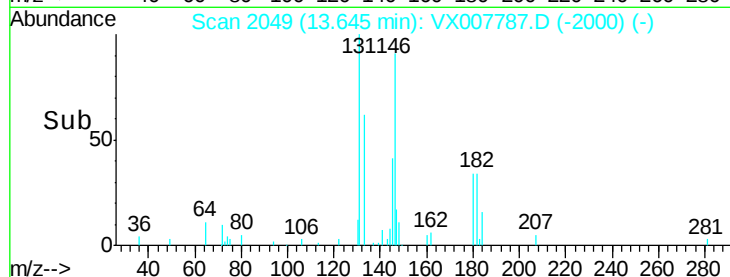
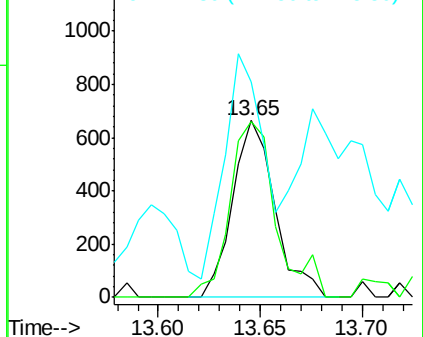
180 100

182 108.1 47.8 143.3

145 116.3 14.1 42.2#



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



#95

Naphthalene

Concen: 0.890 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007787.D

Acq: 01 Mar 2019 14:07

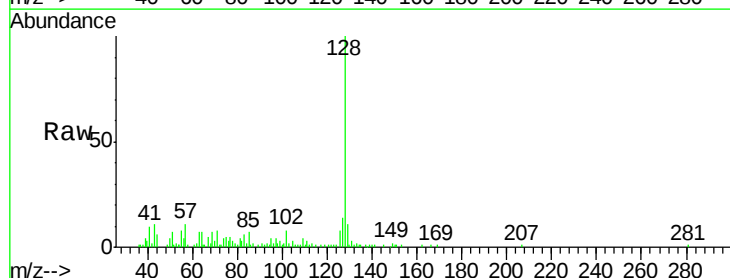
Tgt Ion:128 Resp: 13077

Ion Ratio Lower Upper

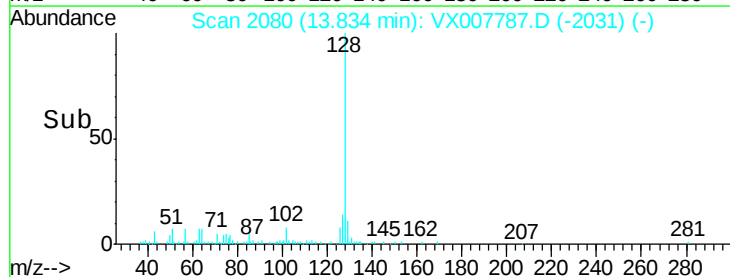
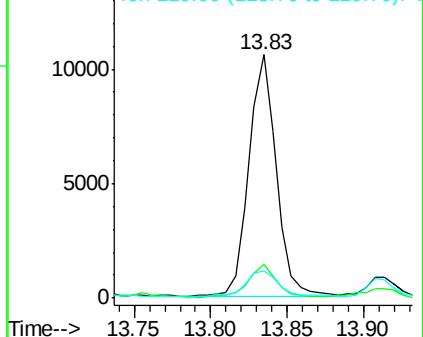
128 100

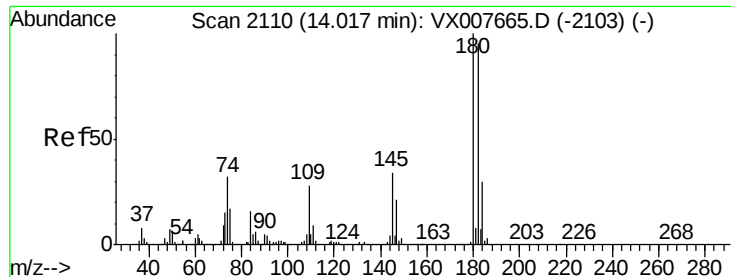
127 15.7 10.5 15.7

129 16.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

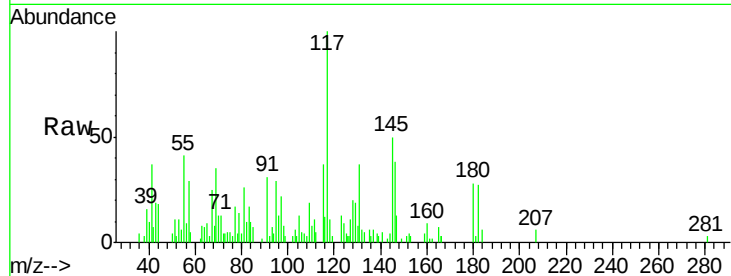




#96
 1,2,3-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX007787.D
 Acq: 01 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-022719-A

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	152.2	14.9	44.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

