

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007977.D
 Acq On : 11 Mar 2019 18:30
 Operator : JC/SP
 Sample : K1793-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305DL

Quant Time: Mar 12 08:40:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127044	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.50	113	117994	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	8.71	98	444131	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.13	95	163091	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	

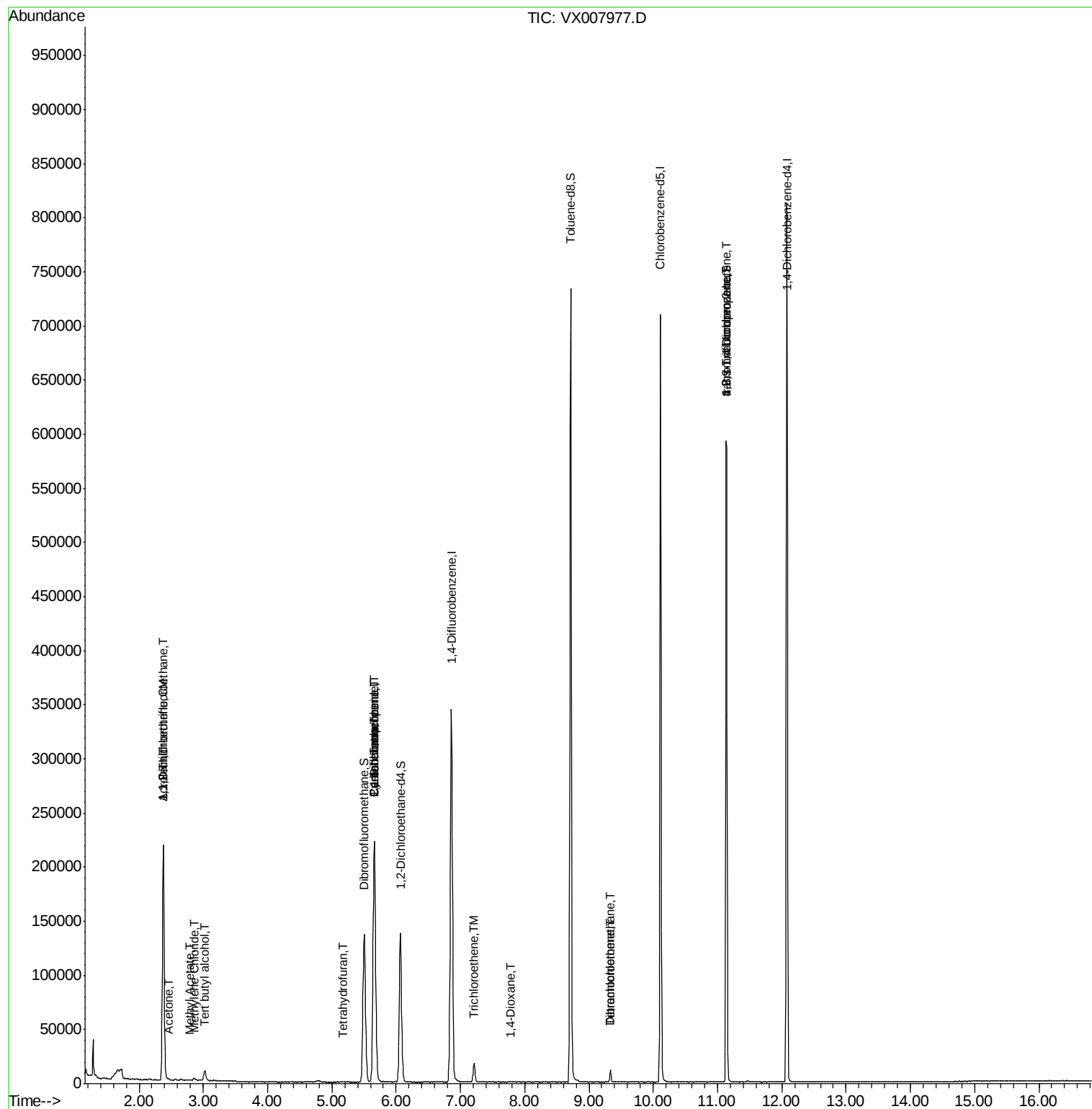
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	259	Below Cal	#	80
9) 1,1,2-Trichlorotrifluoroet	2.37	101	88384	42.120	ug/l	99
11) Tert butyl alcohol	3.03	59	5691	10.147	ug/l #	76
12) 1,1-Dichloroethene	2.37	96	533	0.264	ug/l #	56
13) Acrolein	2.39	56	22	1.610	ug/l #	13
16) Acetone	2.46	43	1100	0.758	ug/l	95
17) Carbon Disulfide	2.56	76	657	Below Cal	#	51
18) Methyl Acetate	2.79	43	982	0.318	ug/l #	76
20) Methylene Chloride	2.85	84	850	0.368	ug/l	96
29) Tetrahydrofuran	5.18	42	333	0.260	ug/l #	45
31) Cyclohexane	5.66	56	3560	0.924	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14445	4.364	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20175	6.420	ug/l #	17
44) Trichloroethene	7.21	130	7497	2.761	ug/l	95
49) 1,4-Dioxane	7.78	88	19	0.303	ug/l #	22
60) Dibromochloromethane	9.34	129	2220	0.872	ug/l #	11
64) Tetrachloroethene	9.34	164	2511	0.892	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	74325	19.981	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	74325	63.869	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031119\
Data File : VX007977.D
Acq On : 11 Mar 2019 18:30
Operator : JC/SP
Sample : K1793-03DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305DL

Quant Time: Mar 12 08:40:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

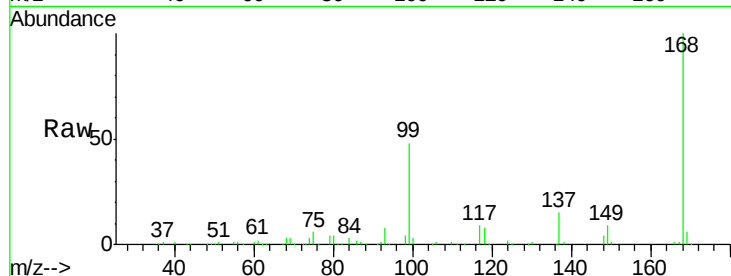
RE131D3-20190305DL

Tot Ion:168 Resp: 237740

Ion Ratio Lower Upper

168 100

99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

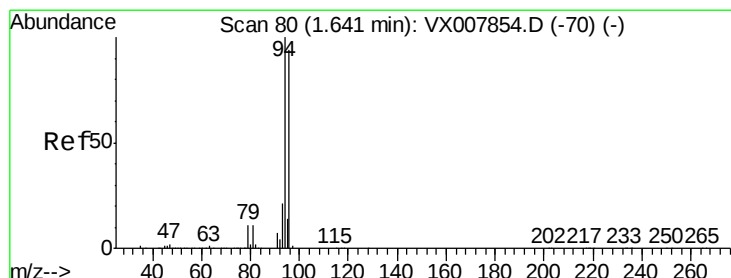
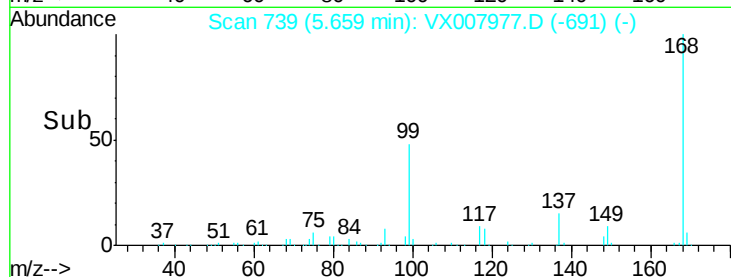
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007977.D

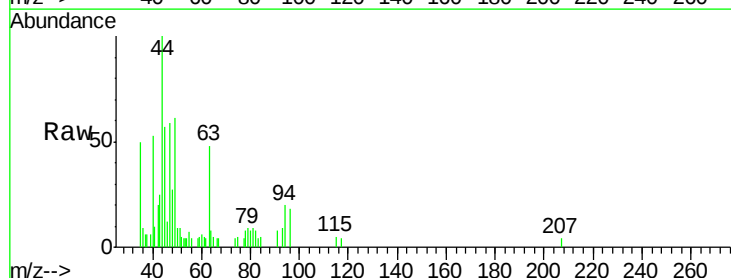
Acq: 11 Mar 2019 18:30

Tgt Ion: 94 Resp: 259

Ion Ratio Lower Upper

94 100

96 75.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

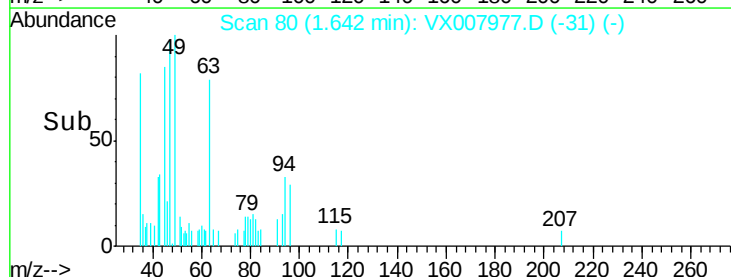
150

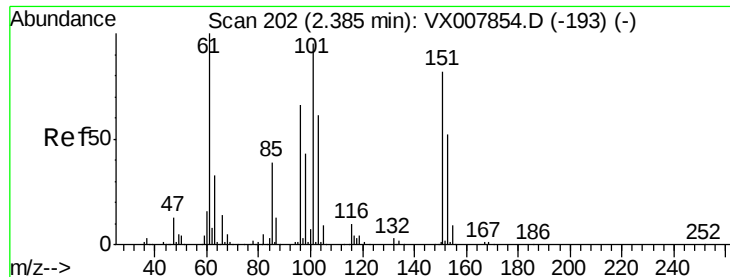
100

50

0

Time--> 1.62 1.64 1.66 1.68





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.120 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305DL

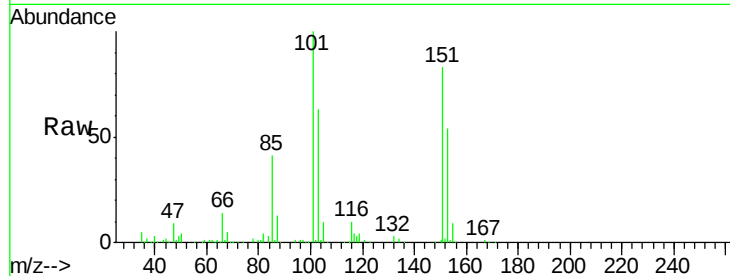
Tot Ion:101 Resp: 88384

Ion Ratio Lower Upper

101 100

85 42.1 33.8 50.6

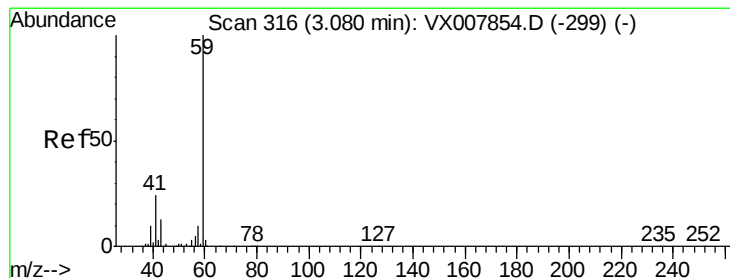
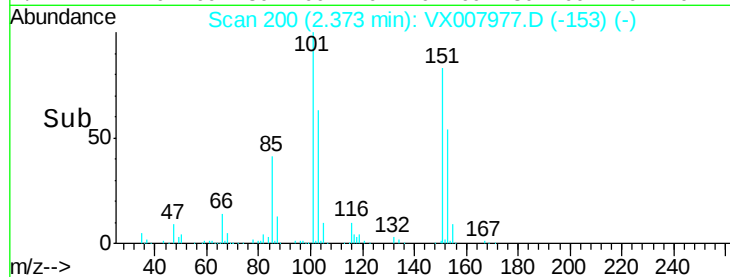
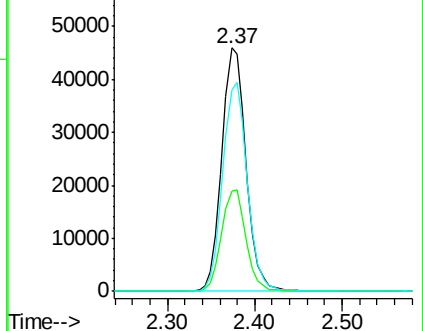
151 87.1 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 10.147 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007977.D

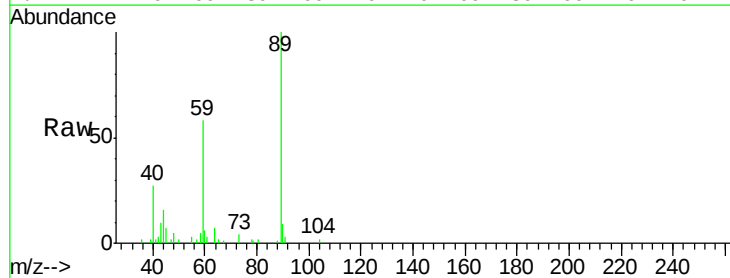
Acq: 11 Mar 2019 18:30

Tgt Ion: 59 Resp: 5691

Ion Ratio Lower Upper

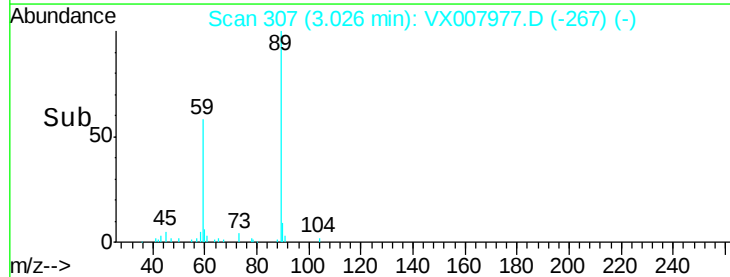
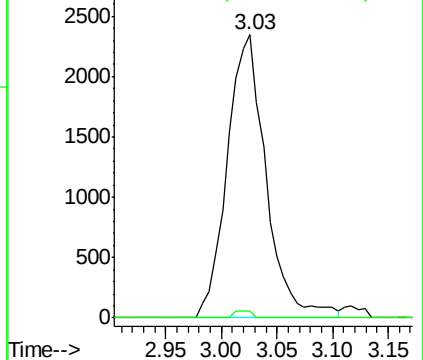
59 100

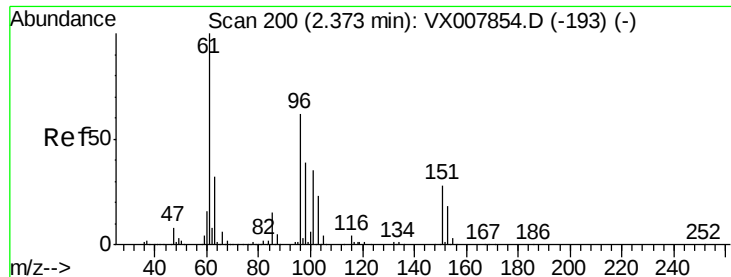
57 1.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.264 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305DL

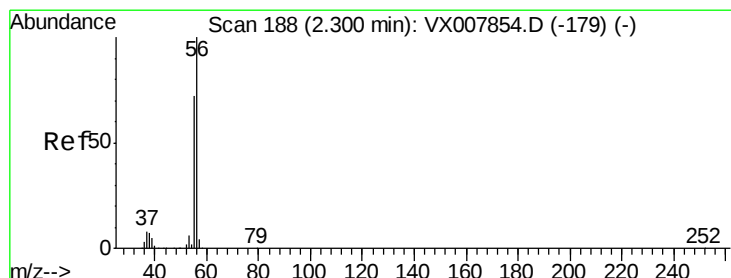
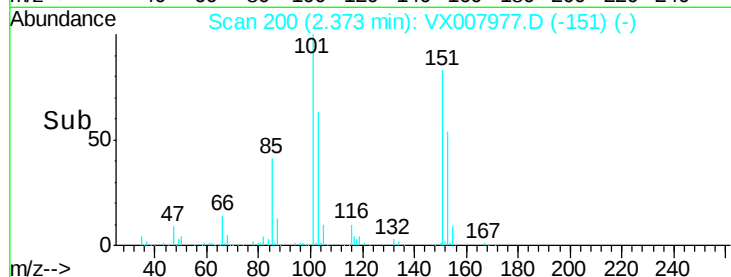
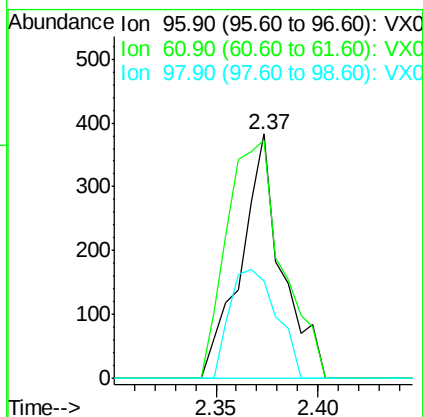
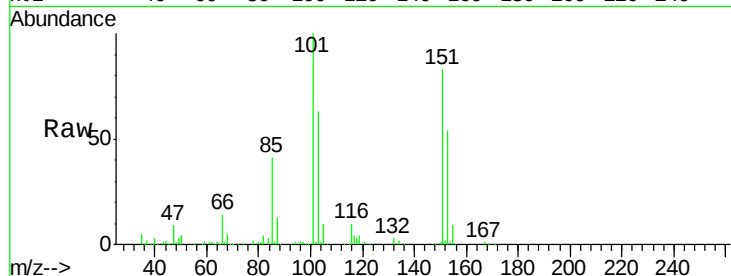
Tot Ion: 96 Resp: 533

Ion Ratio Lower Upper

96 100

61 97.7 129.8 194.6#

98 39.4 51.0 76.6#



#13

Acrolein

Concen: 1.610 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.09 min

Lab File: VX007977.D

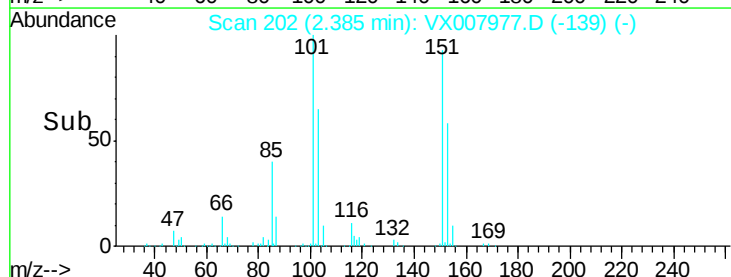
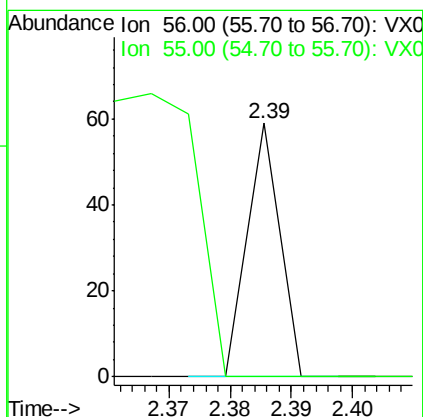
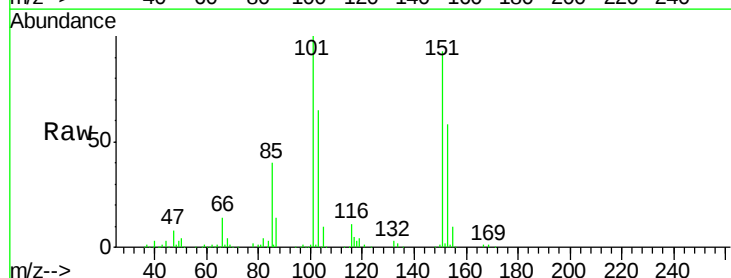
Acq: 11 Mar 2019 18:30

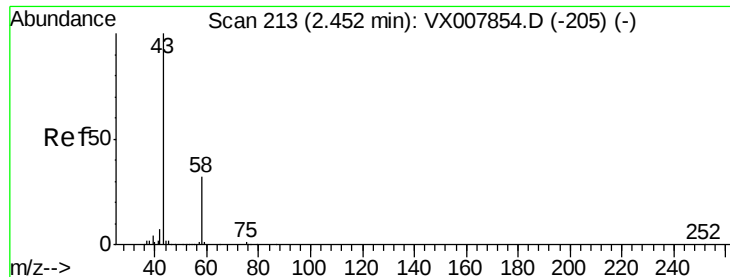
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#





#16

Acetone

Concen: 0.758 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

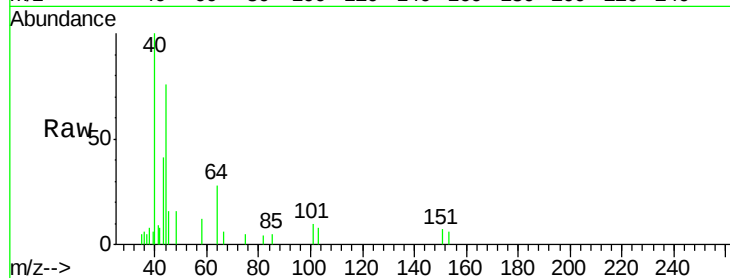
RE131D3-20190305DL

Tot Ion: 43 Resp: 1100

Ion Ratio Lower Upper

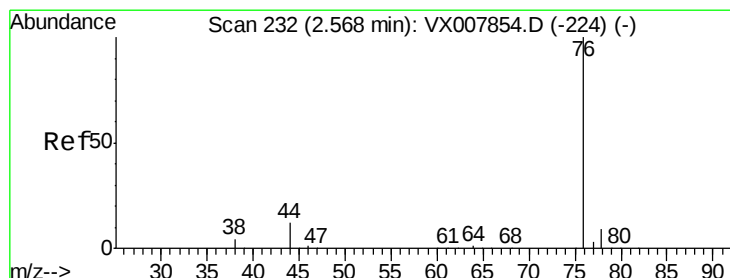
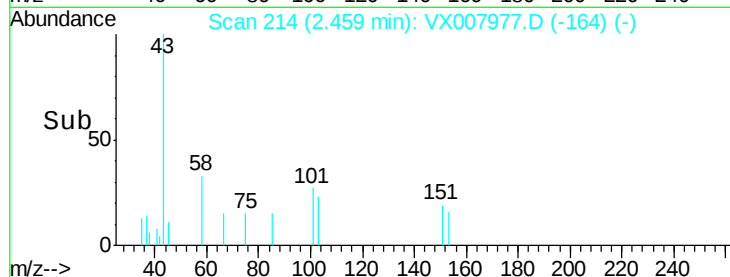
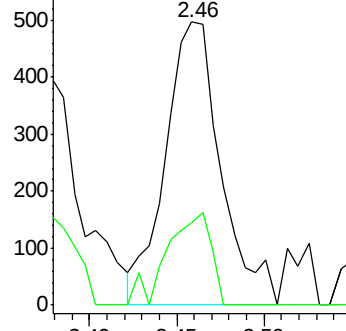
43 100

58 29.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX007977.D

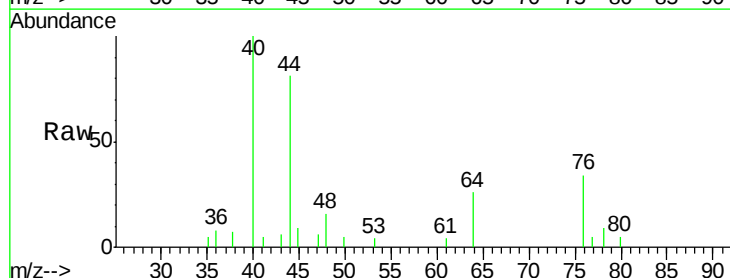
Acq: 11 Mar 2019 18:30

Tgt Ion: 76 Resp: 657

Ion Ratio Lower Upper

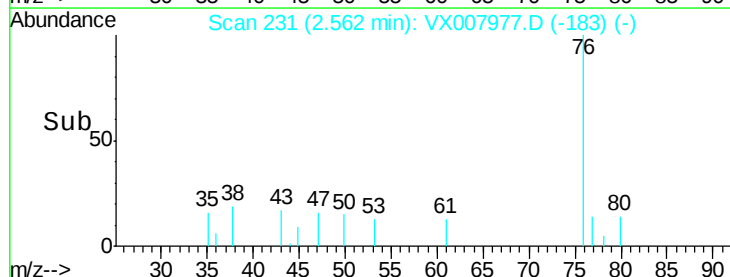
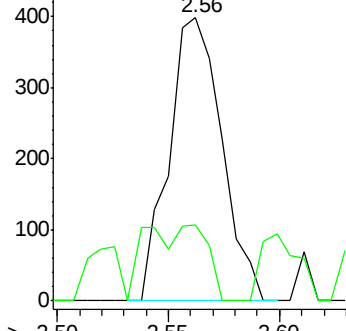
76 100

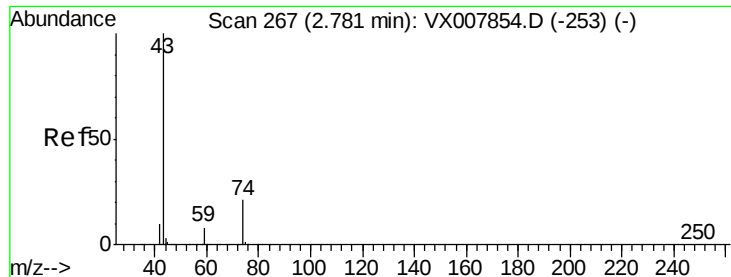
78 26.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

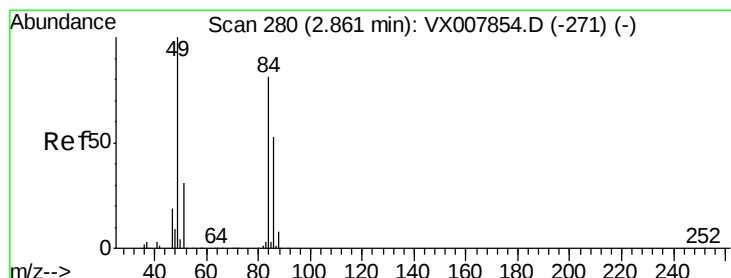
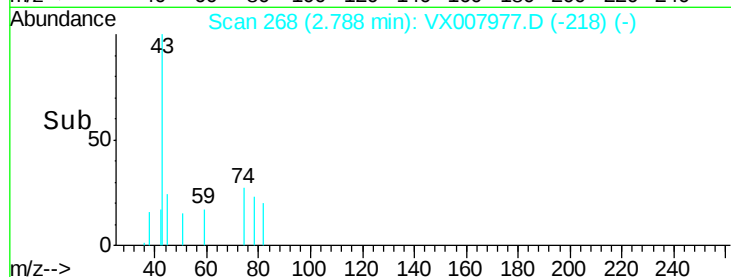
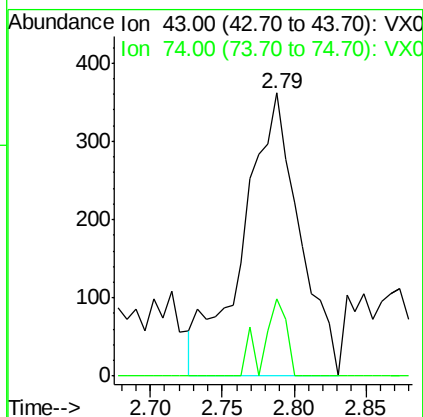
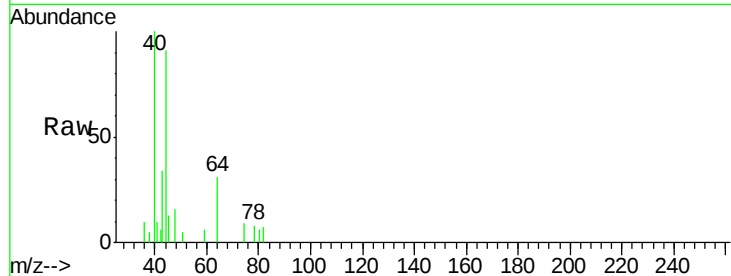




#18
Methyl Acetate
Concen: 0.318 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007977.D
Acq: 11 Mar 2019 18:30

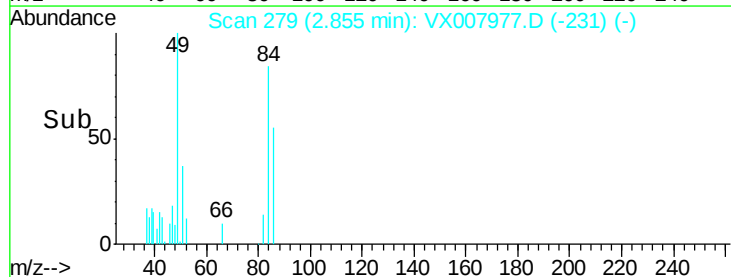
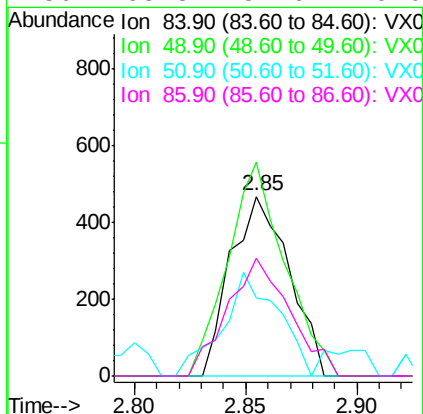
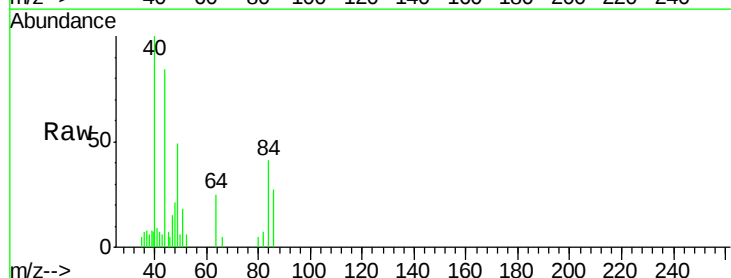
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305DL

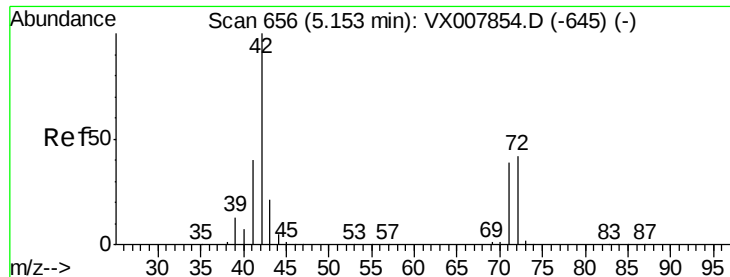
Tot Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
74 10.8 17.8 26.6#



#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007977.D
Acq: 11 Mar 2019 18:30

Tgt Ion: 84 Resp: 850
Ion Ratio Lower Upper
84 100
49 118.8 99.3 148.9
51 32.5 31.3 46.9
86 65.8 52.6 79.0





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305DL

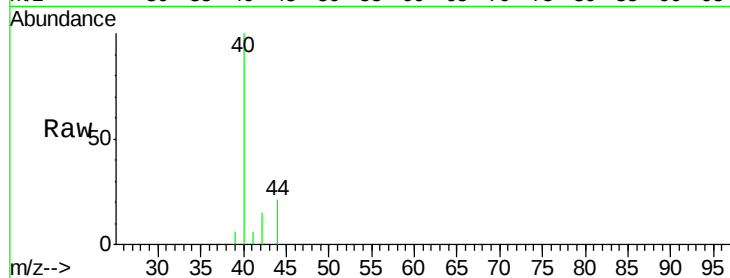
Tot Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

72 7.2 33.8 50.6#

71 6.0 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.18

150

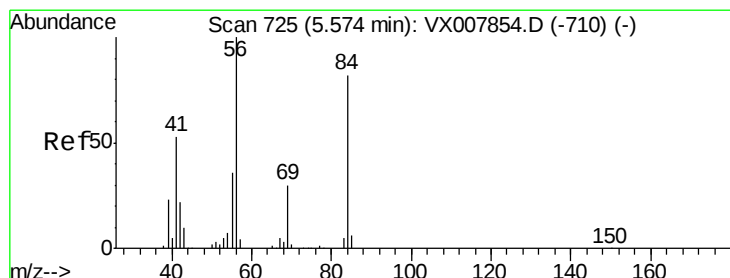
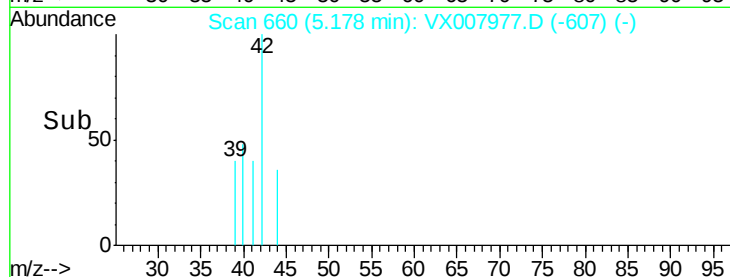
100

50

0

Time-->

5.10 5.15 5.20



#31

Cyclohexane

Concen: 0.924 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

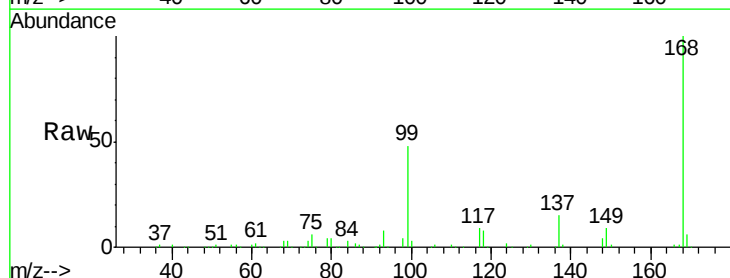
Tgt Ion: 56 Resp: 3560

Ion Ratio Lower Upper

56 100

69 214.3 24.0 36.0#

84 214.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.66

3000

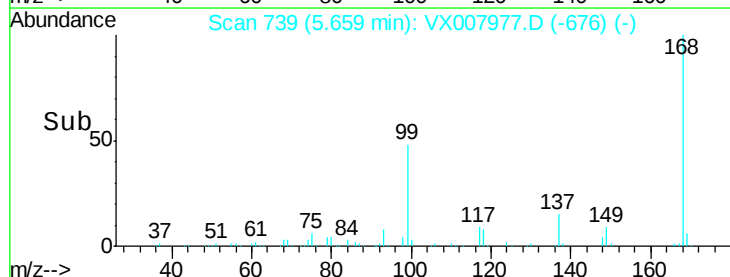
2000

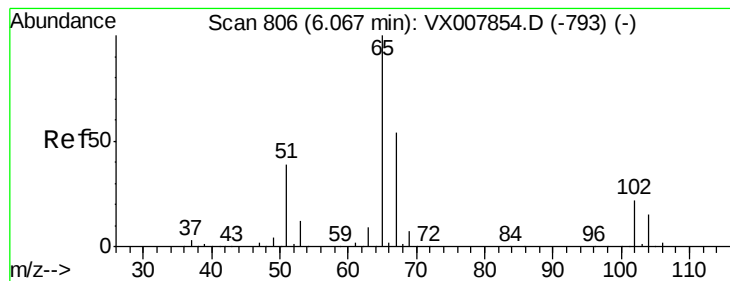
1000

0

Time-->

5.55 5.60 5.65 5.70 5.75





#33

1,2-Dichloroethane-d4

Concen: 50.657 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

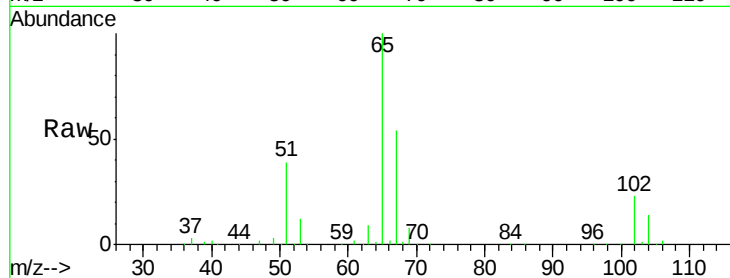
RE131D3-20190305DL

Tot Ion: 65 Resp: 127044

Ion Ratio Lower Upper

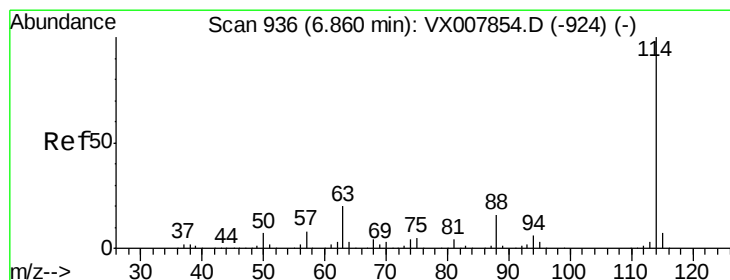
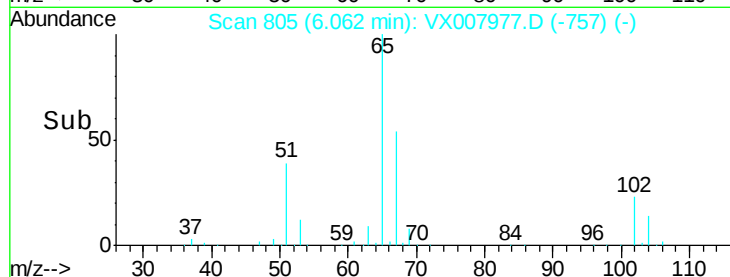
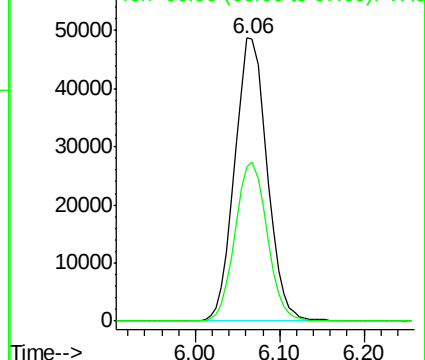
65 100

67 55.6 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

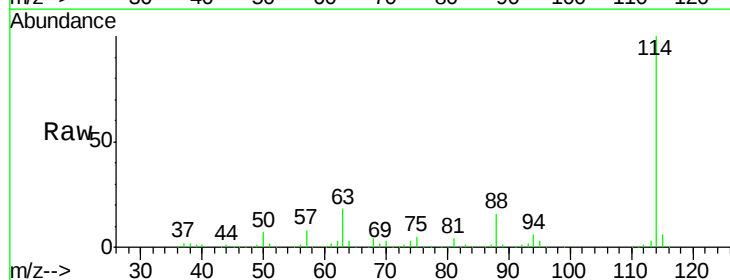
Tgt Ion: 114 Resp: 365570

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.8

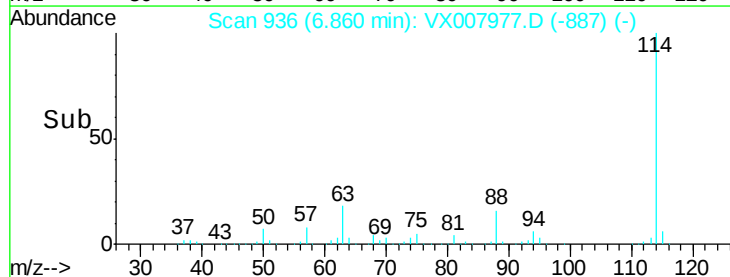
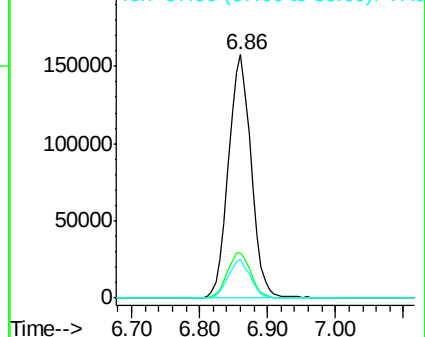
88 15.7 0.0 31.4

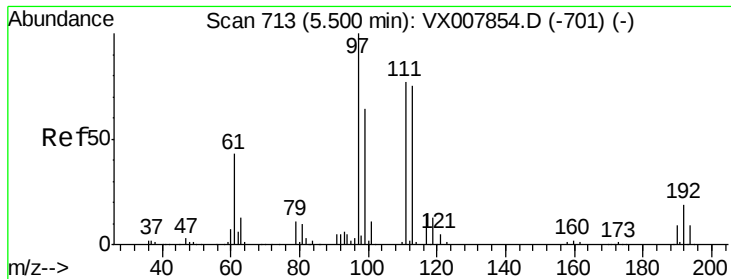


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.459 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305DL

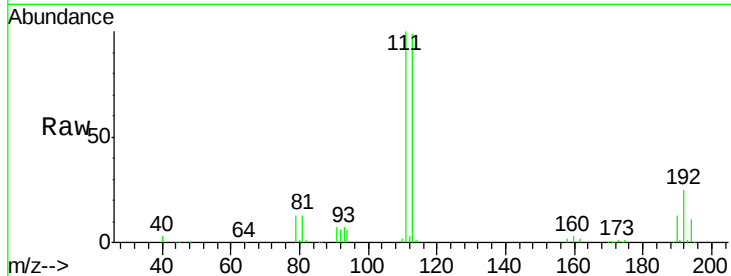
Tot Ion:113 Resp: 117994

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

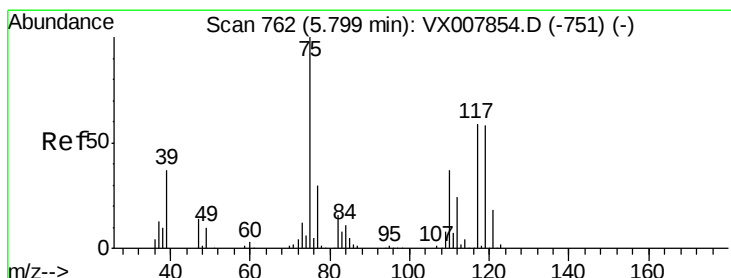
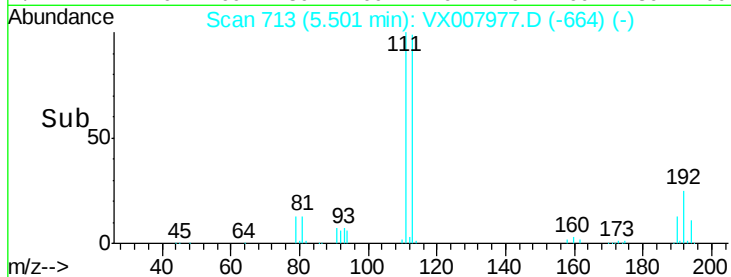
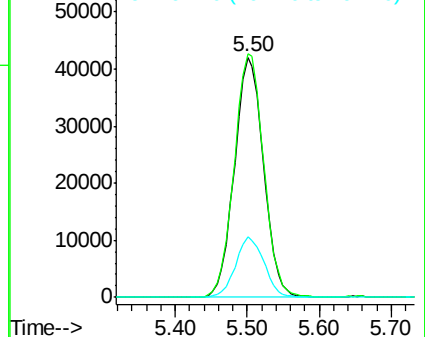
192 24.8 19.4 29.0



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: 4.364 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

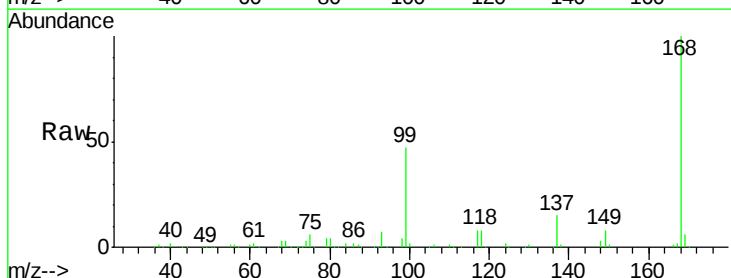
Tgt Ion: 75 Resp: 14445

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

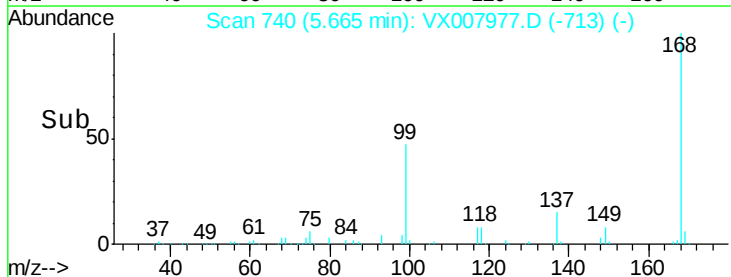
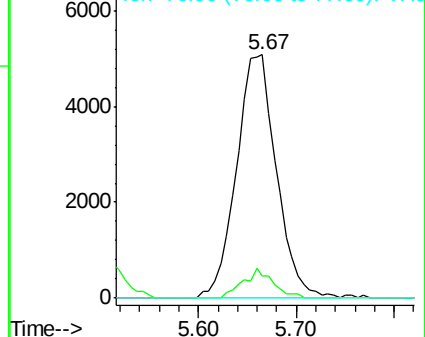
77 0.0 25.0 37.4#

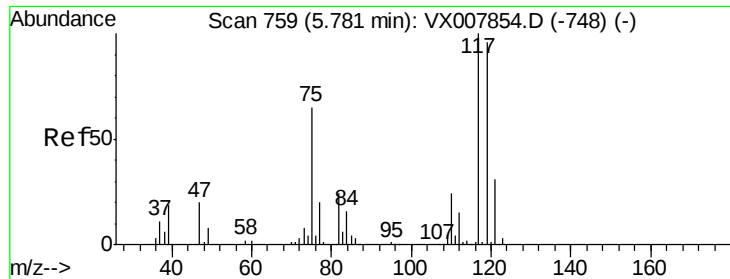


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

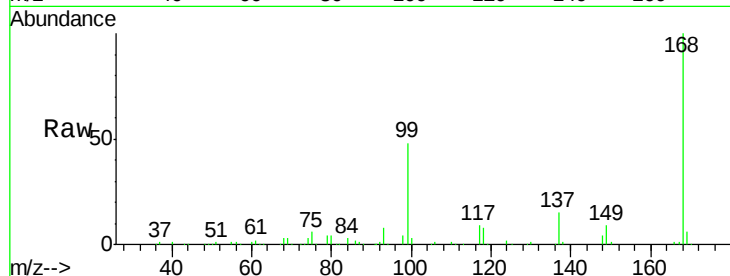




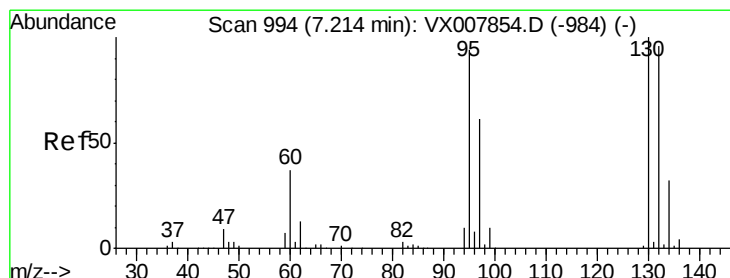
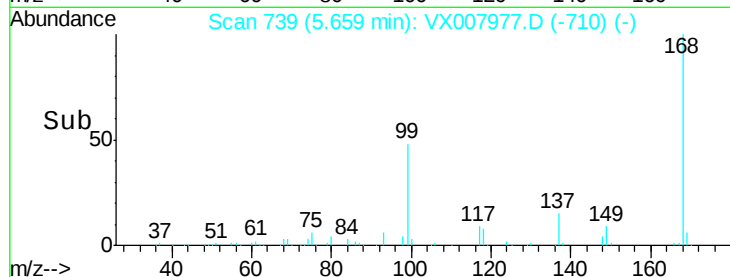
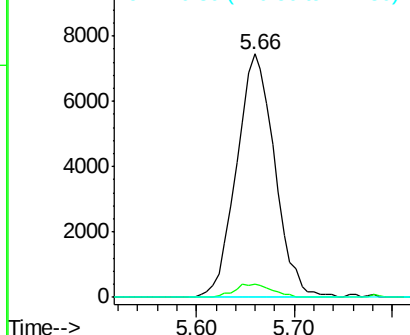
#38
Carbon Tetrachloride
Concen: 6.420 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007977.D
Acq: 11 Mar 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305DL

Tot Ion:117 Resp: 20175
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.6 36.8#

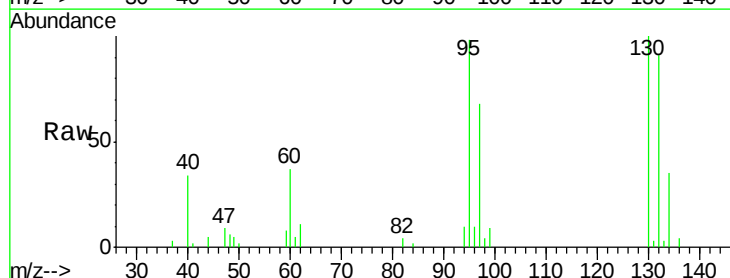


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

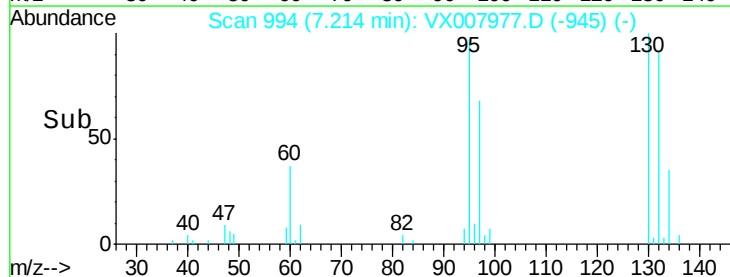
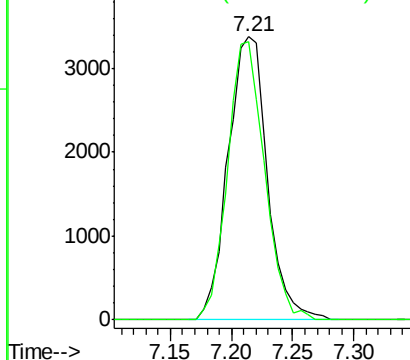


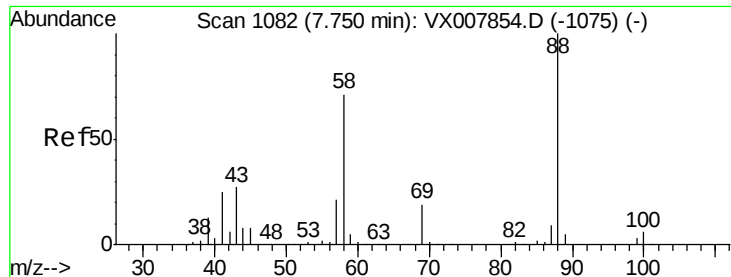
#44
Trichloroethene
Concen: 2.761 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX007977.D
Acq: 11 Mar 2019 18:30

Tgt Ion:130 Resp: 7497
Ion Ratio Lower Upper
130 100
95 98.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

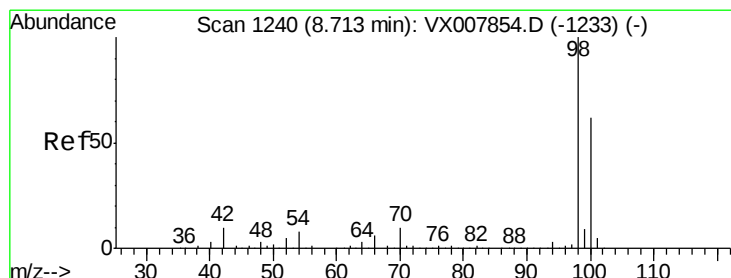
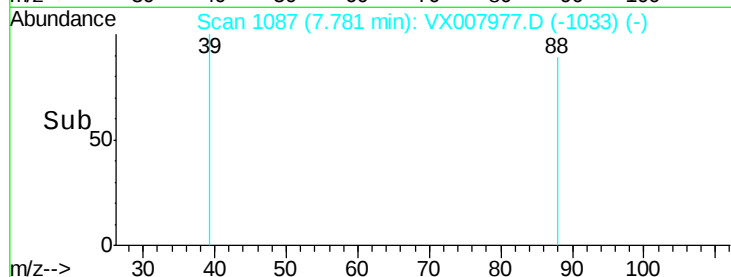
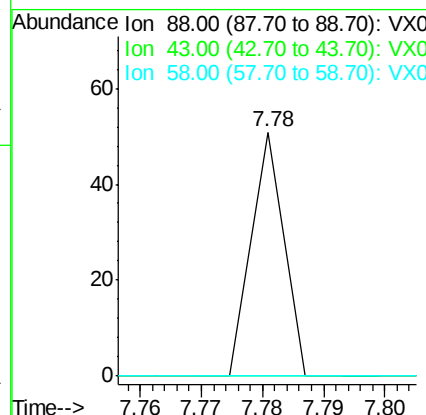
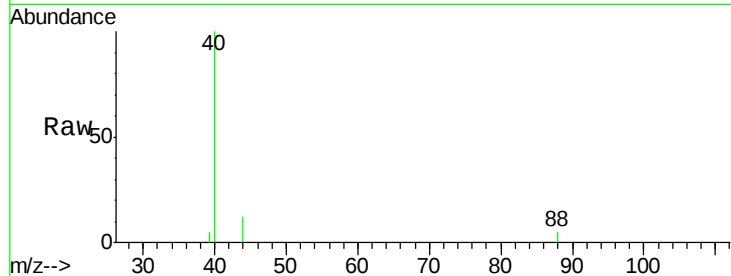




#49
 1,4-Dioxane
 Concen: 0.303 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. 0.03 min
 Lab File: VX007977.D
 Acq: 11 Mar 2019 18:30

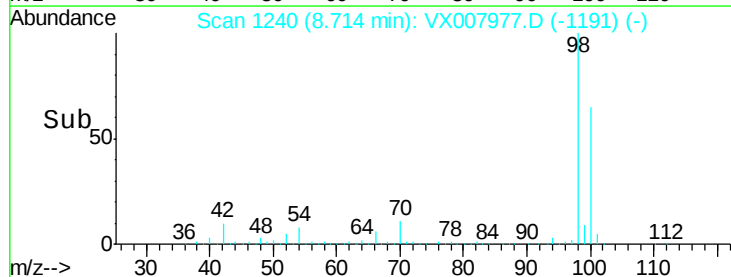
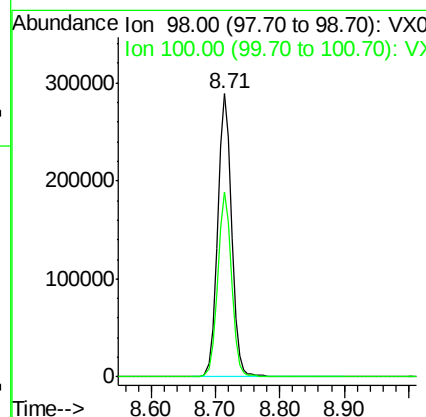
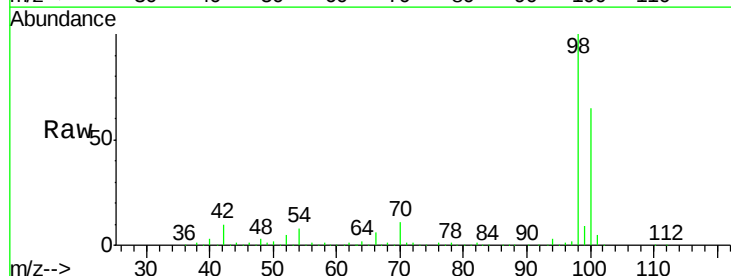
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305DL

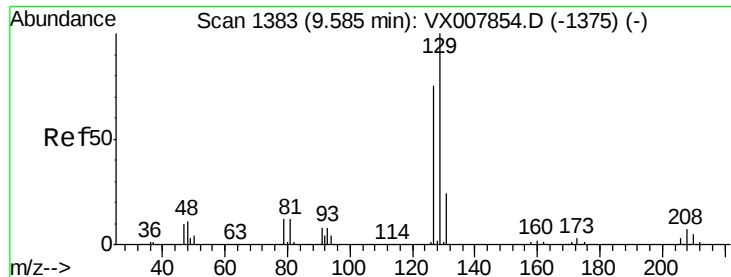
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	57.8	86.6#



#50
 Toluene-d8
 Concen: 51.715 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007977.D
 Acq: 11 Mar 2019 18:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5

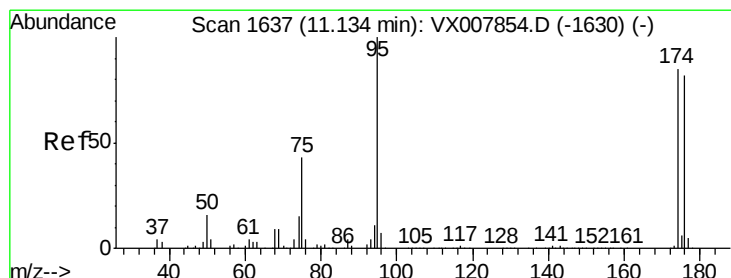
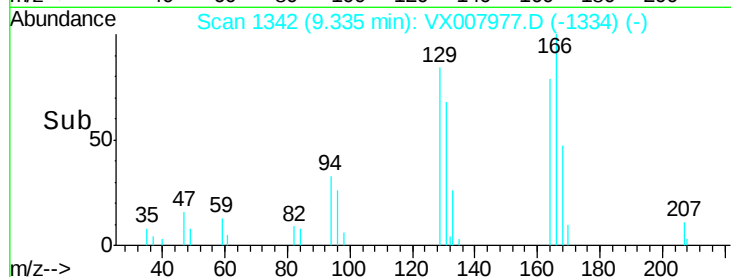
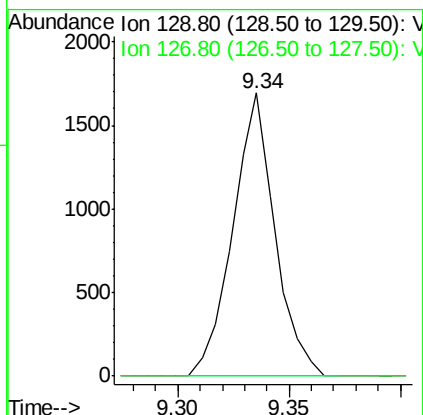
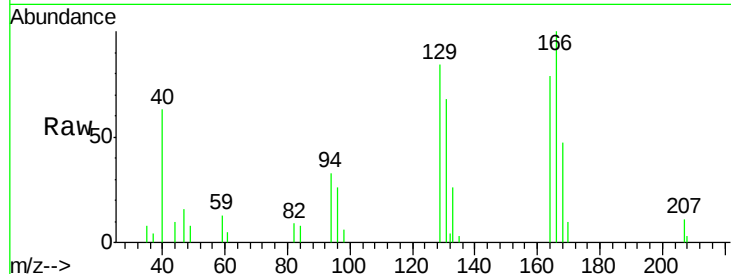




#60
 Dibromochloromethane
 Concen: 0.872 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX007977.D
 Acq: 11 Mar 2019 18:30

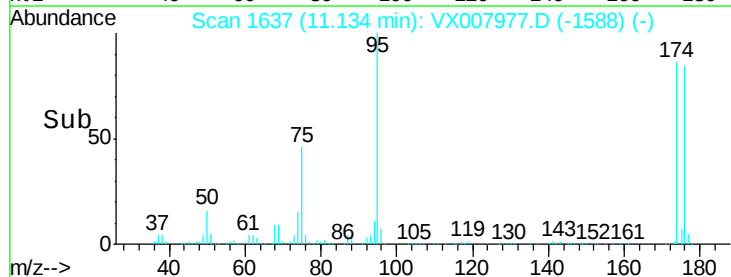
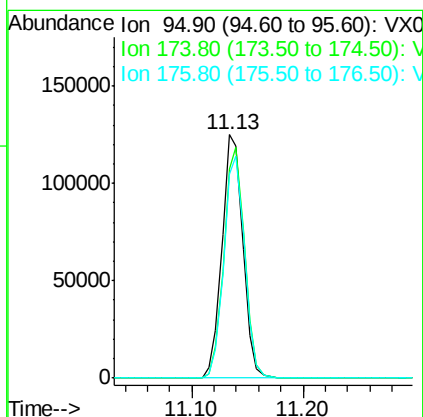
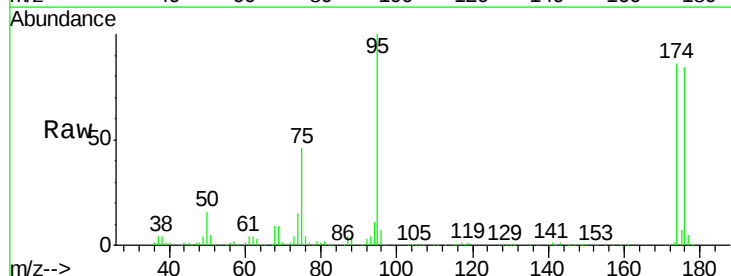
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305DL

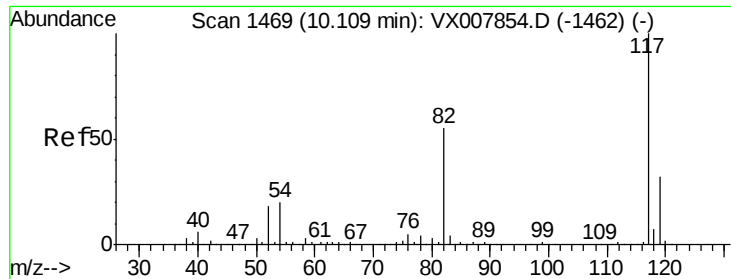
Tot Ion:129 Resp: 2220
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#



#62
 4-Bromofluorobenzene
 Concen: 54.165 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007977.D
 Acq: 11 Mar 2019 18:30

Tgt Ion: 95 Resp: 163091
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 182.8
 176 90.5 0.0 178.0

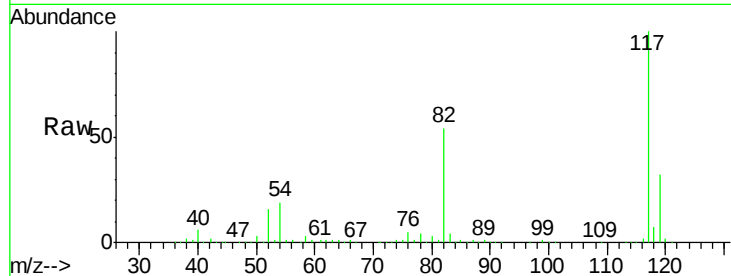




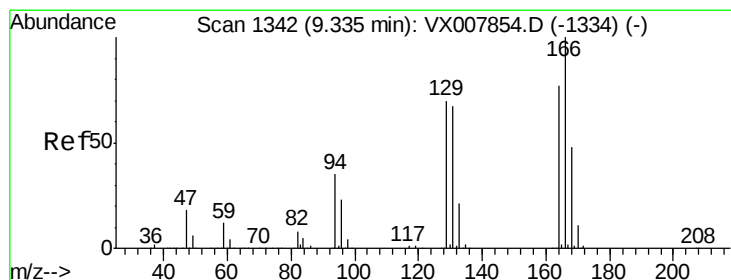
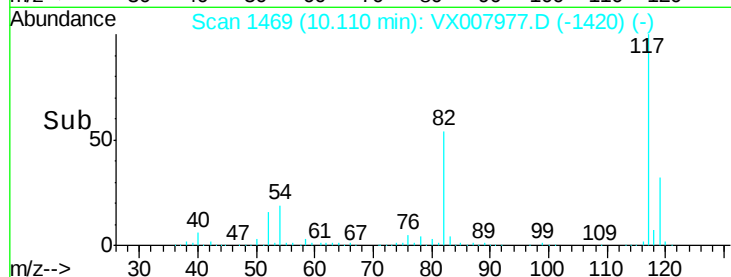
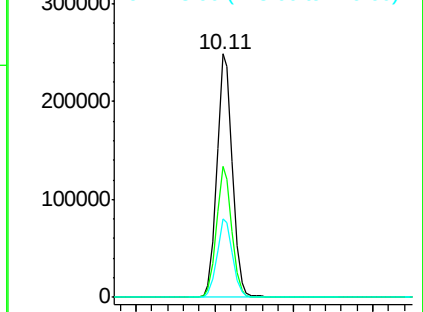
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007977.D
Acq: 11 Mar 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305DL

Tot Ion:117 Resp: 339873
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.0 25.3 37.9

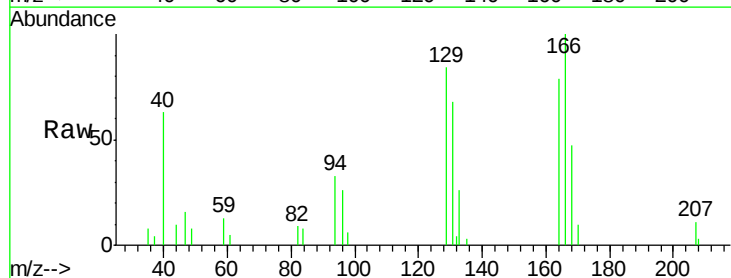


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

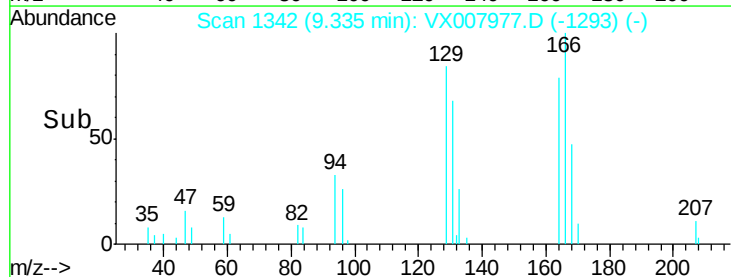
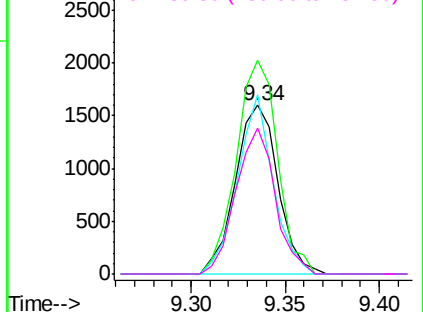


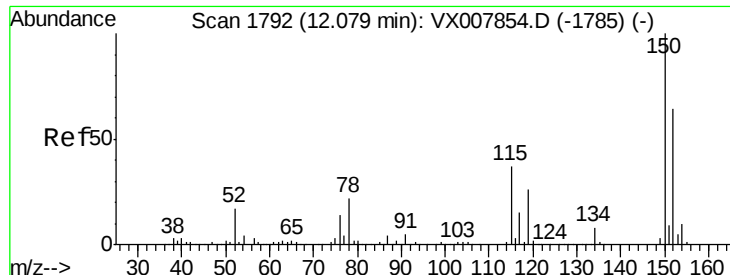
#64
Tetrachloroethene
Concen: 0.892 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007977.D
Acq: 11 Mar 2019 18:30

Tgt Ion:164 Resp: 2511
Ion Ratio Lower Upper
164 100
166 126.7 103.4 155.0
129 106.0 72.2 108.4
131 86.7 69.4 104.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305DL

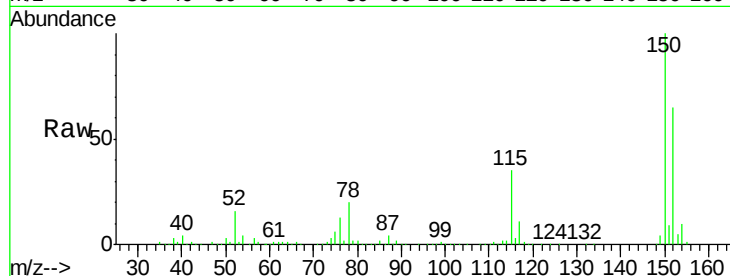
Tot Ion:152 Resp: 177267

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

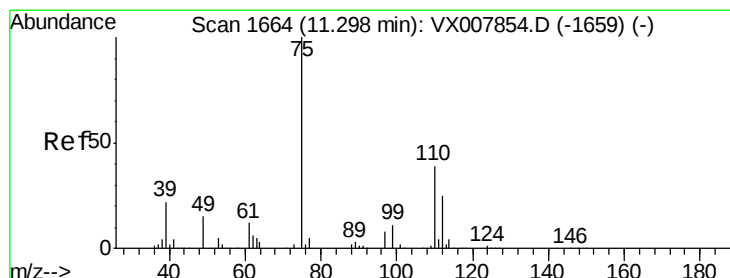
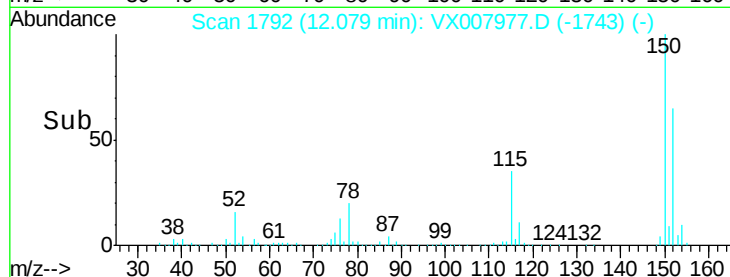
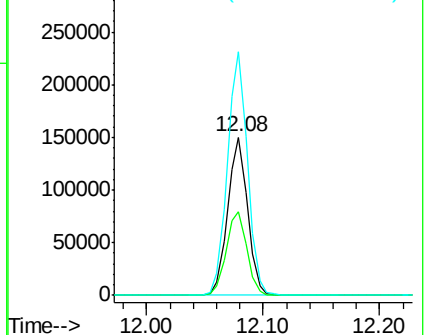
150 156.2 0.0 348.4



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: 19.981 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007977.D

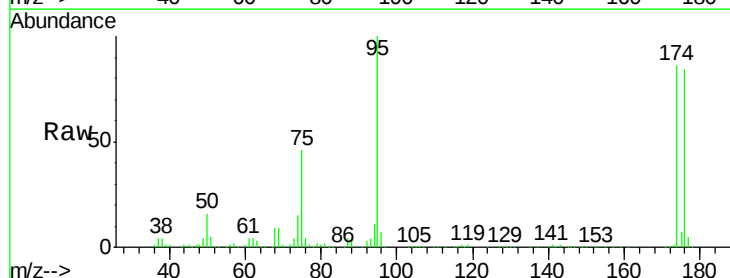
Acq: 11 Mar 2019 18:30

Tgt Ion: 75 Resp: 74325

Ion Ratio Lower Upper

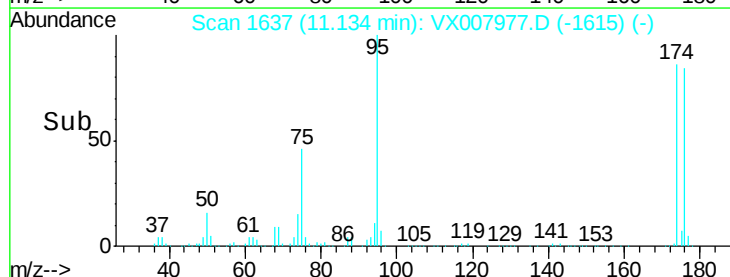
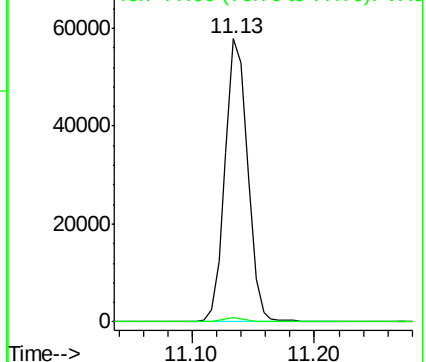
75 100

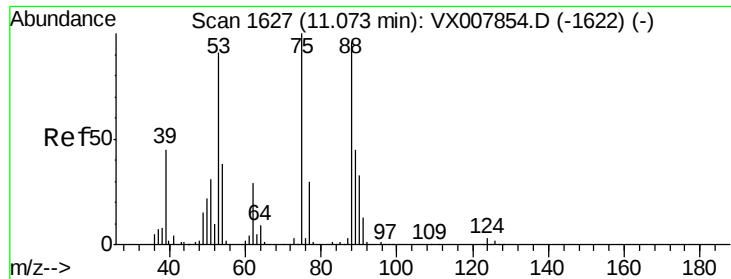
77 1.4 18.9 56.7#



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: 63.869 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007977.D

Acq: 11 Mar 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305DL

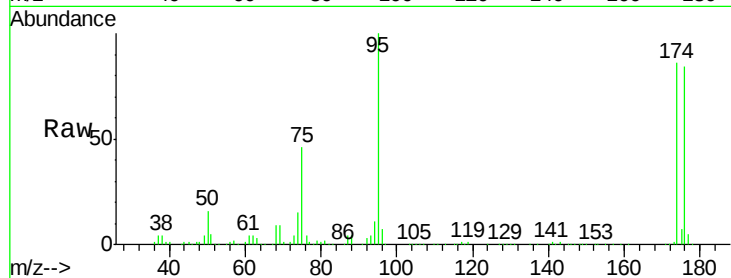
Tot Ion: 75 Resp: 74325

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

