

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013135.D
 Acq On : 18 Oct 2019 18:17
 Operator : JC/SP
 Sample : K5451-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0342

Quant Time: Oct 18 23:59:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	261388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85121	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	99897	48.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.78%	
35) Dibromofluoromethane	5.49	113	77521	51.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.34%	
50) Toluene-d8	8.71	98	299266	51.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.14	95	100030	44.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.00%	

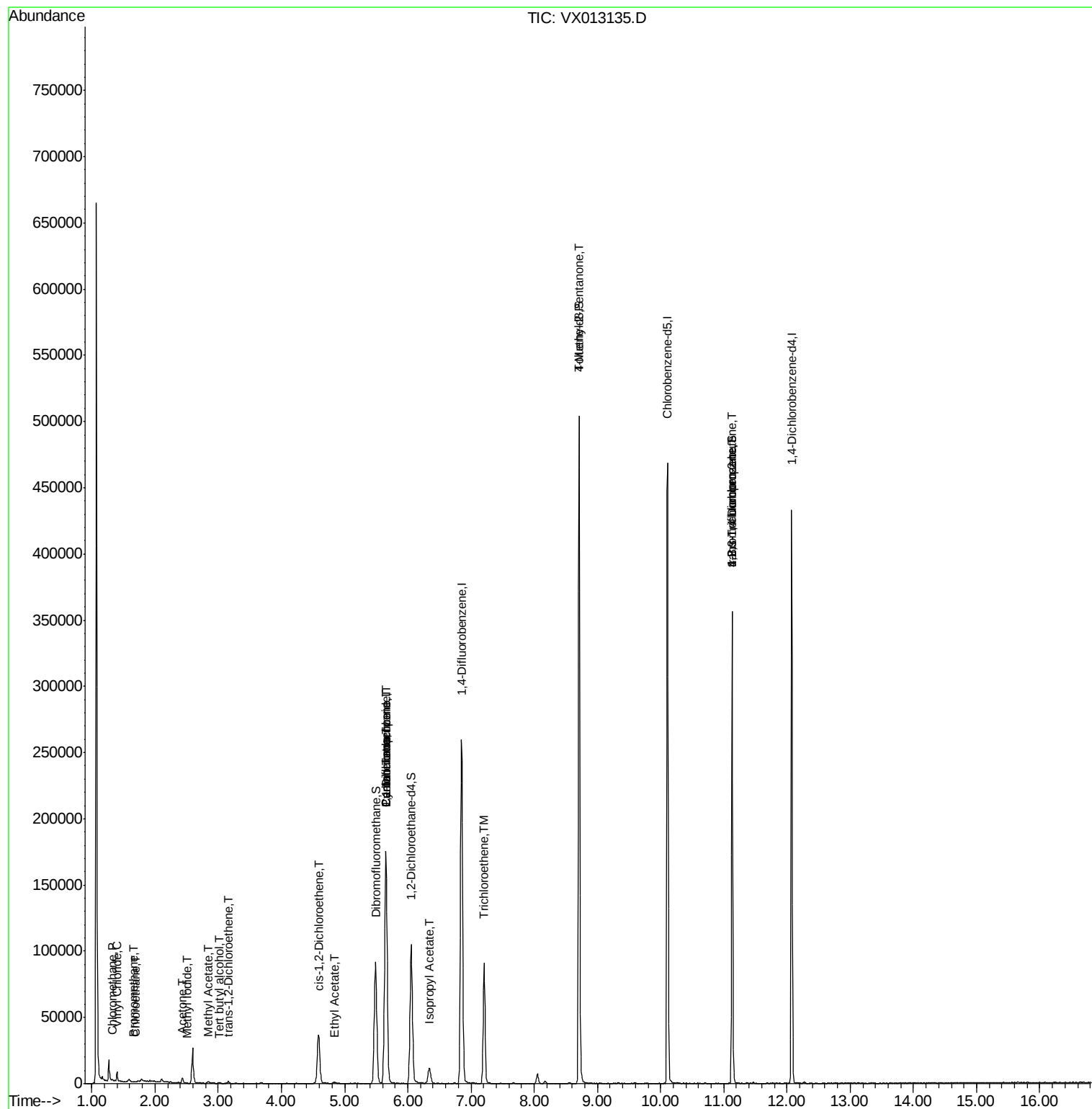
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	506	0.279	ug/l	91
4) Vinyl Chloride	1.40	62	2936	1.568	ug/l	94
5) Bromomethane	1.66	94	167	0.215	ug/l #	56
6) Chloroethane	1.69	64	263	0.596	ug/l #	43
10) Methyl Iodide	2.51	142	22	5.092	ug/l #	40
11) Tert butyl alcohol	3.01	59	545	1.006	ug/l #	72
16) Acetone	2.43	43	4267	3.962	ug/l	92
18) Methyl Acetate	2.83	43	1177	0.461	ug/l #	51
21) trans-1,2-Dichloroethene	3.16	96	708	0.400	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	23617	11.570	ug/l	86
31) Cyclohexane	5.65	56	3351	1.130	ug/l #	8
36) 1,1-Dichloropropene	5.65	75	12136	5.281	ug/l #	50
37) Ethyl Acetate	4.84	43	1789	0.696	ug/l #	70
38) Carbon Tetrachloride	5.65	117	16608	7.425	ug/l #	17
43) Isopropyl Acetate	6.34	43	2923	0.709	ug/l #	60
44) Trichloroethene	7.21	130	35463	18.841	ug/l	96
51) 4-Methyl-2-Pentanone	8.71	43	1139	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	51048	27.038	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	51048	67.934	ug/l #	10

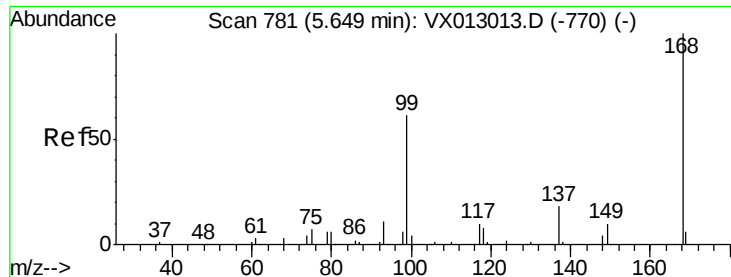
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

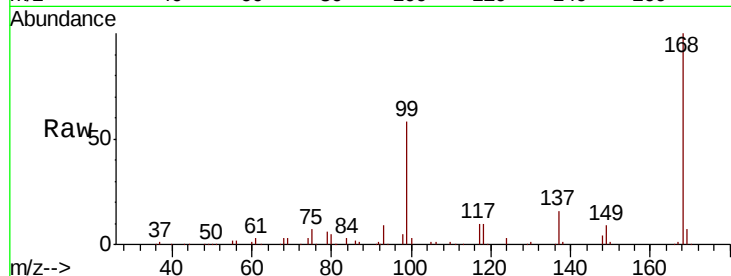
FA19-JPZ0342

Tot Ion:168 Resp: 163489

Ion Ratio Lower Upper

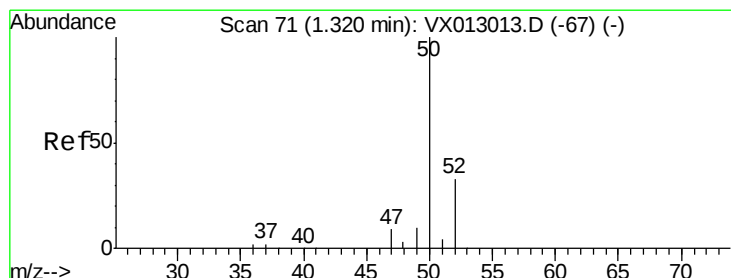
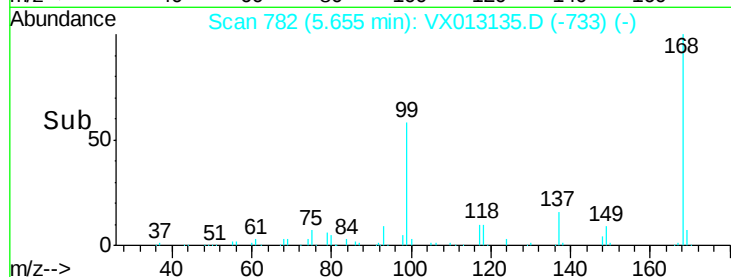
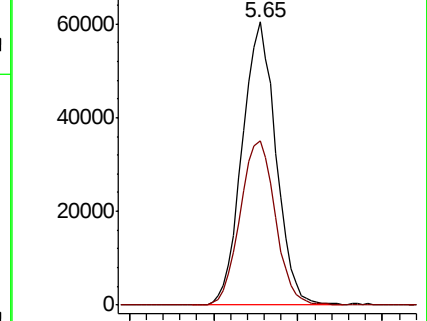
168 100

99 58.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013135.D

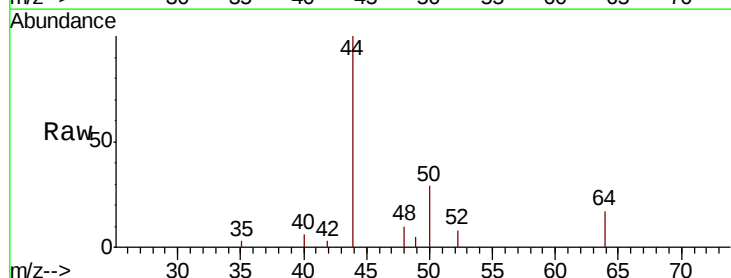
Acq: 18 Oct 2019 18:17

Tgt Ion: 50 Resp: 506

Ion Ratio Lower Upper

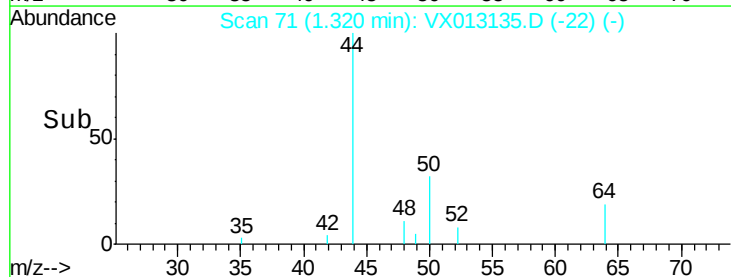
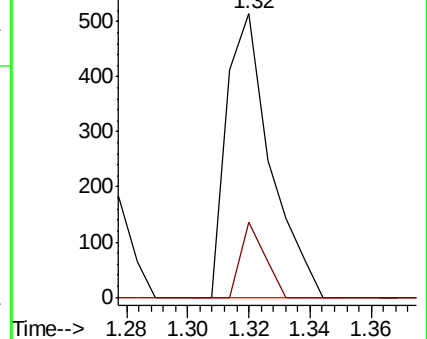
50 100

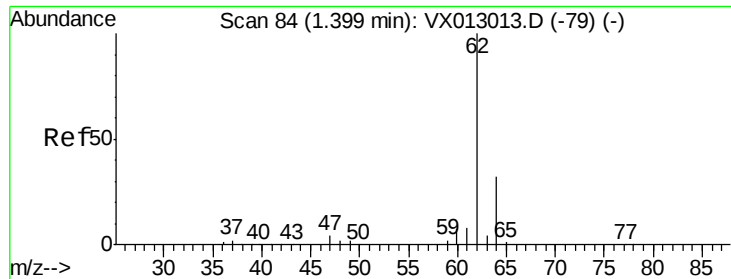
52 26.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.568 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

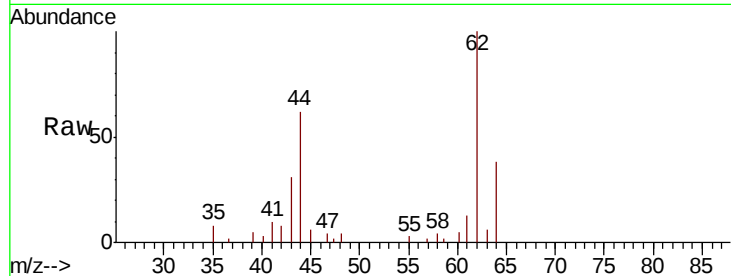
FA19-JPZ0342

Tot Ion: 62 Resp: 2936

Ion Ratio Lower Upper

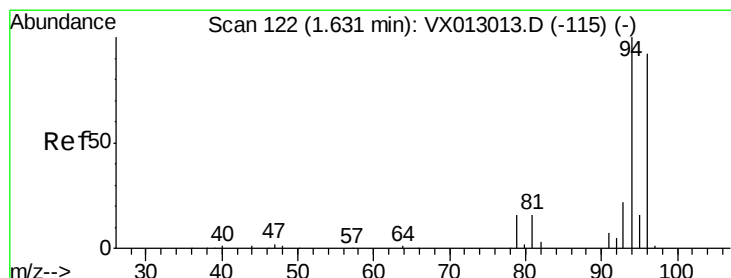
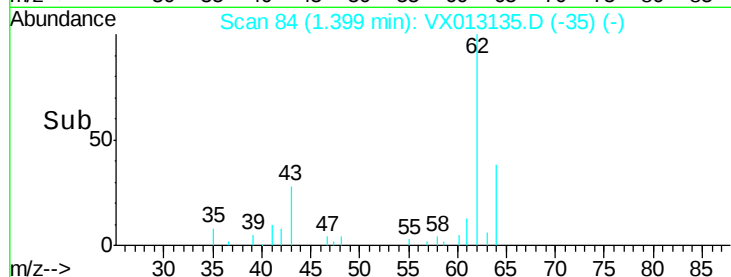
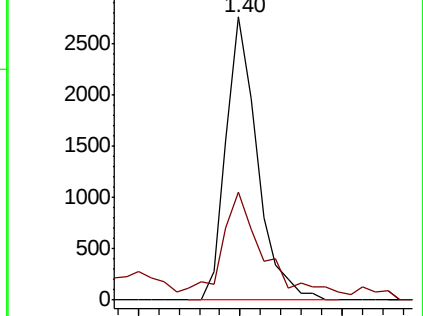
62 100

64 35.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX013135.D

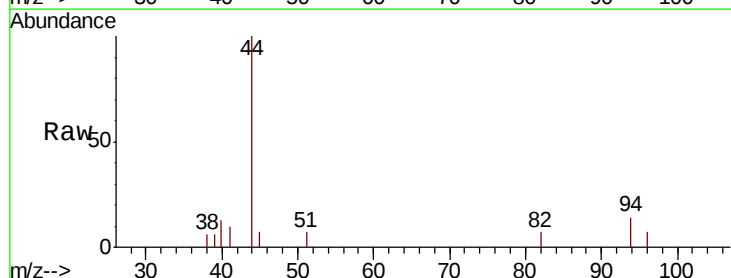
Acq: 18 Oct 2019 18:17

Tgt Ion: 94 Resp: 167

Ion Ratio Lower Upper

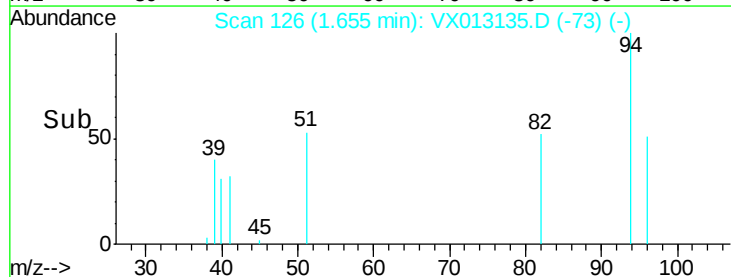
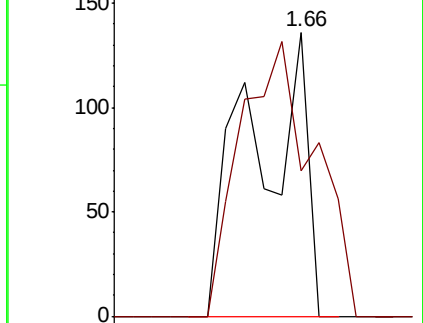
94 100

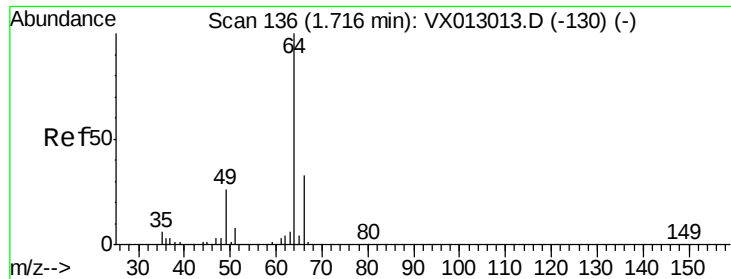
96 51.5 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.596 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

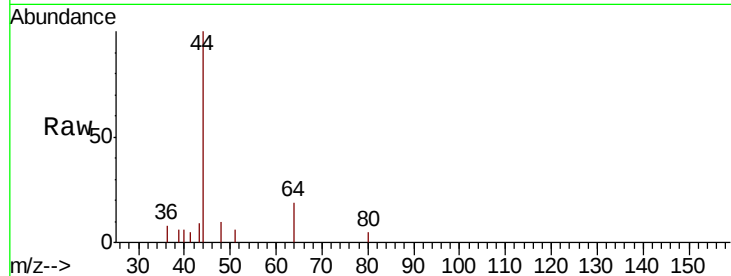
FA19-JPZ0342

Tot Ion: 64 Resp: 263

Ion Ratio Lower Upper

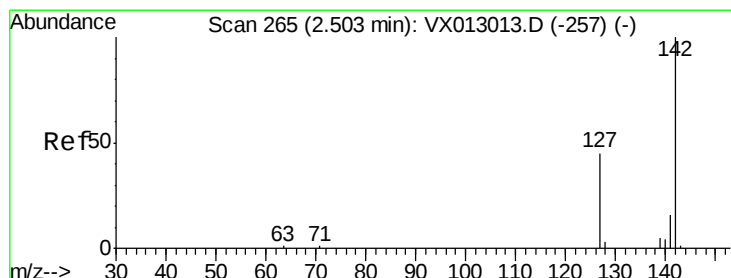
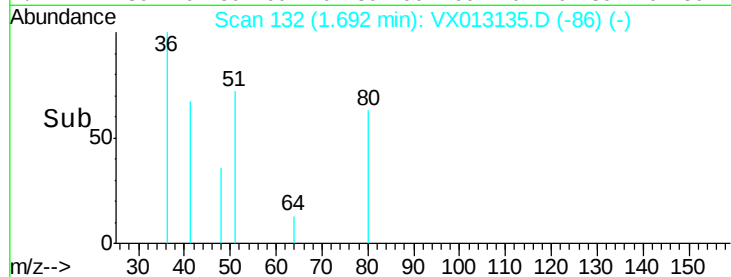
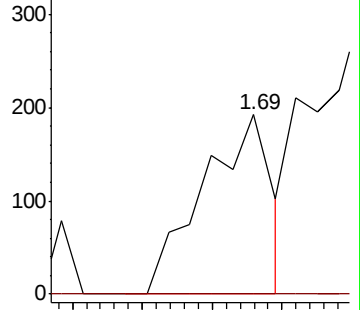
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.092 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

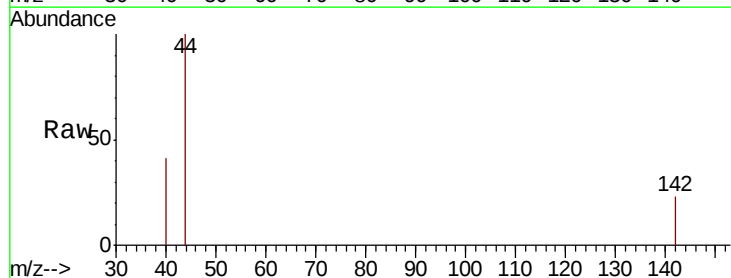
Tgt Ion: 142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

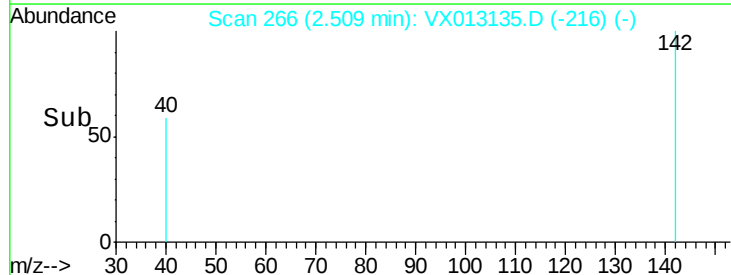
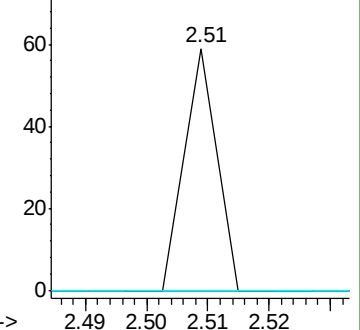
141 0.0 11.6 17.4#

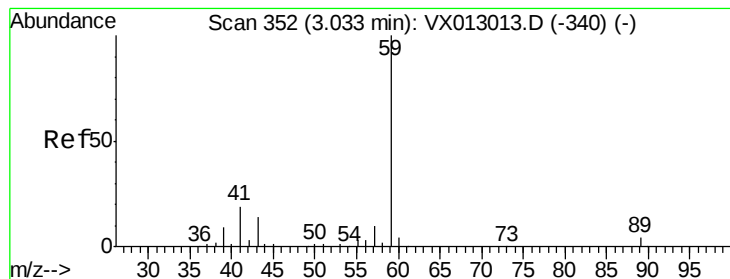


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



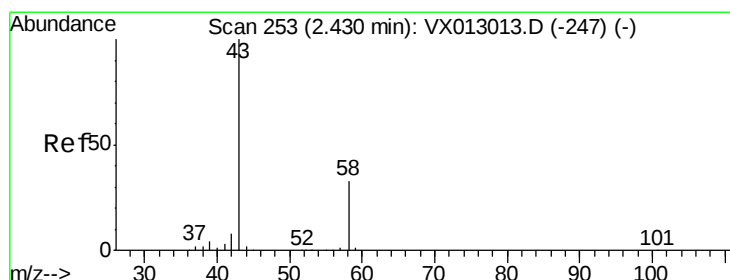
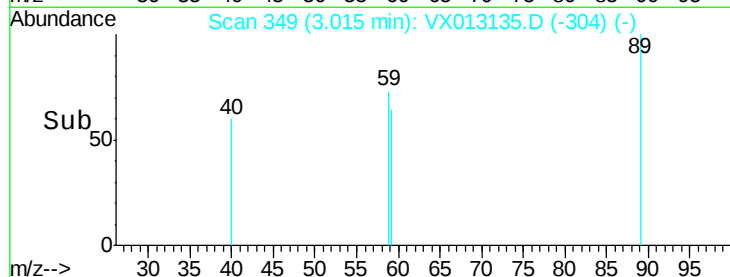
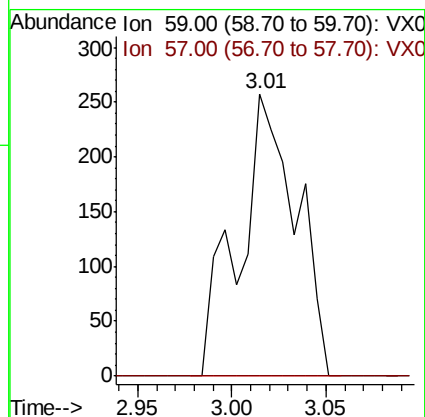
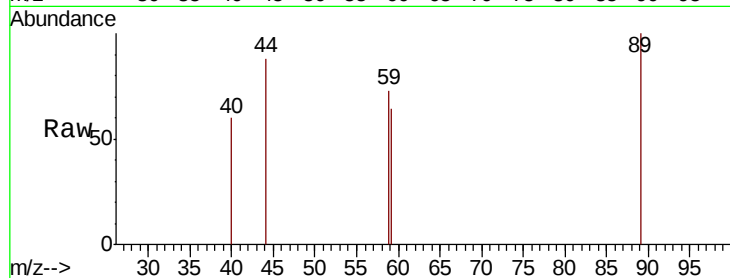


#11

Tert butyl alcohol
 Concen: 1.006 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX013135.D
 Acq: 18 Oct 2019 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0342

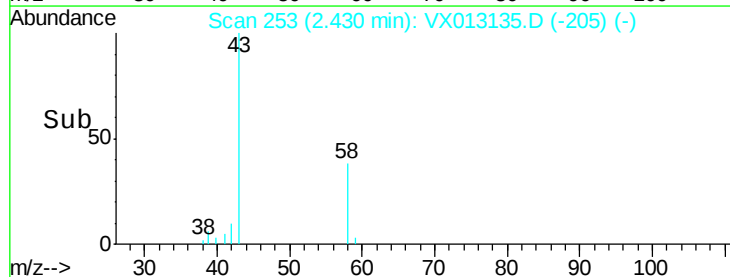
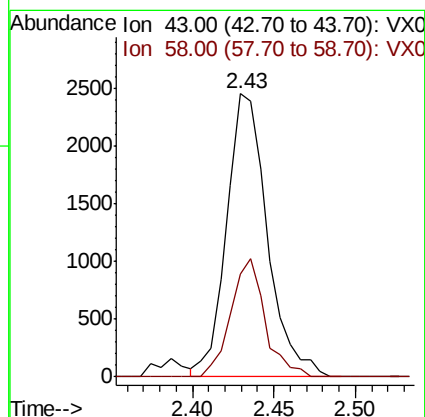
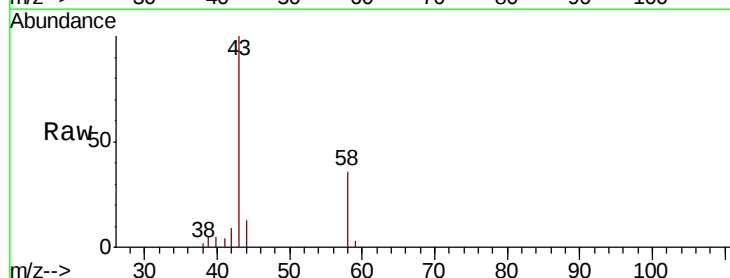
Tot Ion: 59 Resp: 545
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

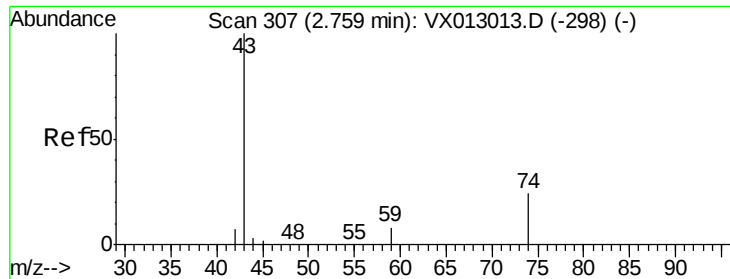


#16

Acetone
 Concen: 3.962 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013135.D
 Acq: 18 Oct 2019 18:17

Tgt Ion: 43 Resp: 4267
 Ion Ratio Lower Upper
 43 100
 58 36.2 25.4 38.2

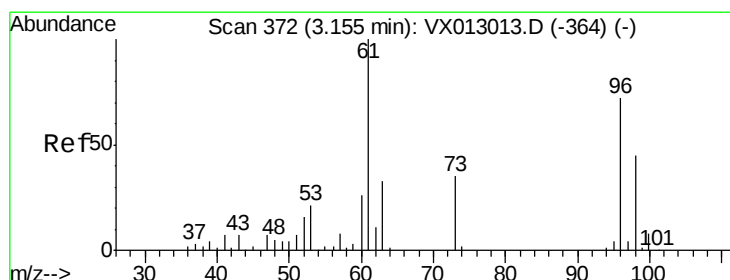
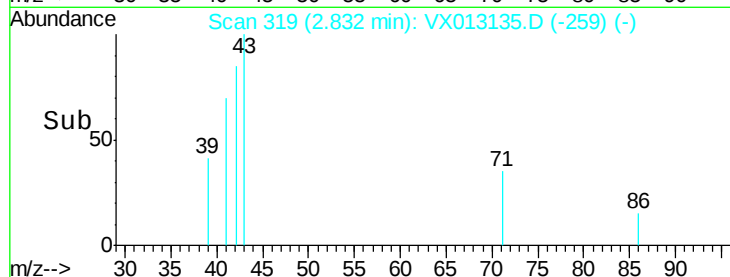
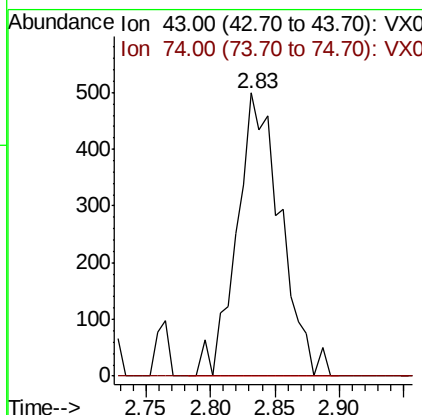
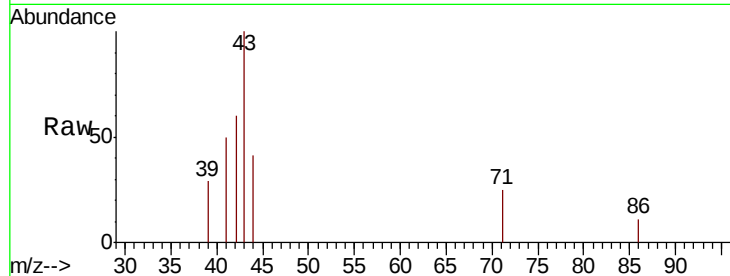




#18
Methyl Acetate
Concen: 0.461 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX013135.D
Acq: 18 Oct 2019 18:17

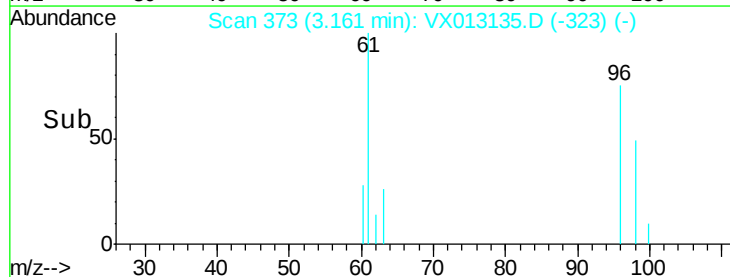
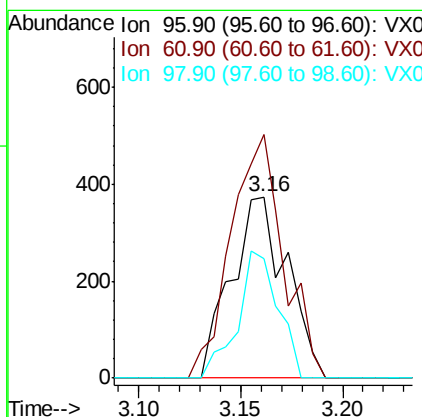
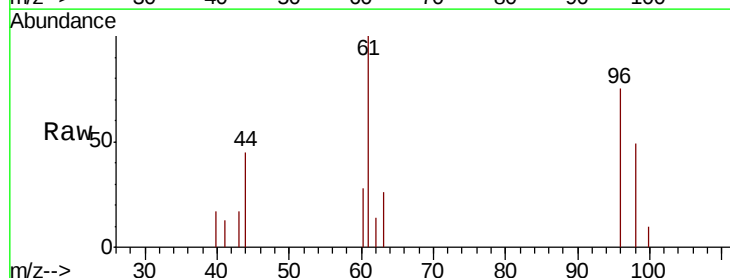
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0342

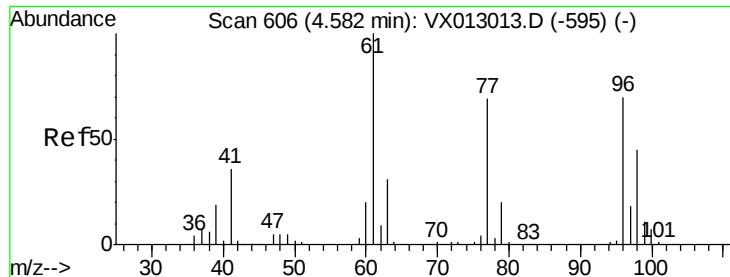
Tot Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#21
trans-1,2-Dichloroethene
Concen: 0.400 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013135.D
Acq: 18 Oct 2019 18:17

Tgt Ion: 96 Resp: 708
Ion Ratio Lower Upper
96 100
61 134.2 110.4 165.6
98 66.0 51.5 77.3



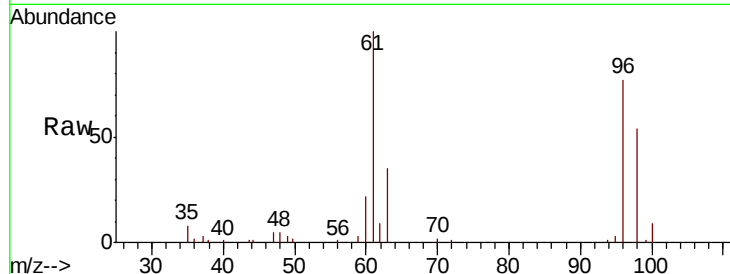


#27

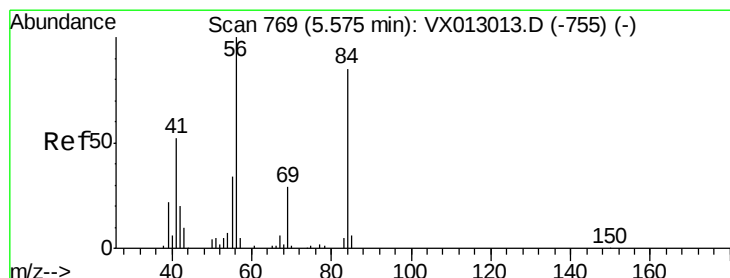
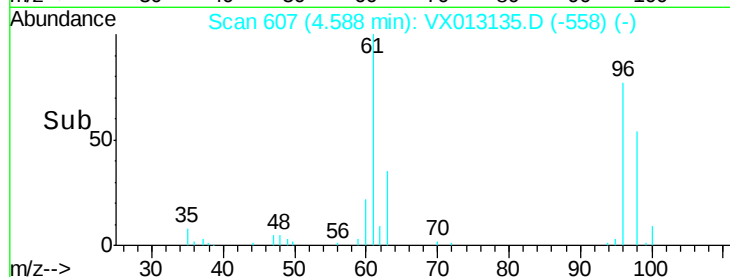
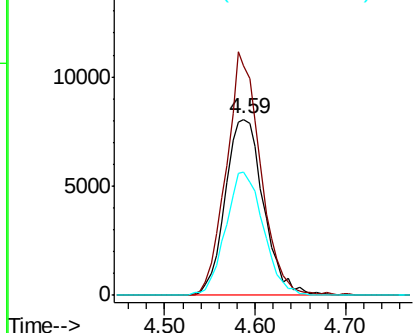
cis-1,2-Dichloroethene
 Concen: 11.570 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX013135.D
 Acq: 18 Oct 2019 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0342

Tot Ion: 96 Resp: 23617
 Ion Ratio Lower Upper
 96 100
 61 123.6 0.0 290.6
 98 68.9 0.0 128.8



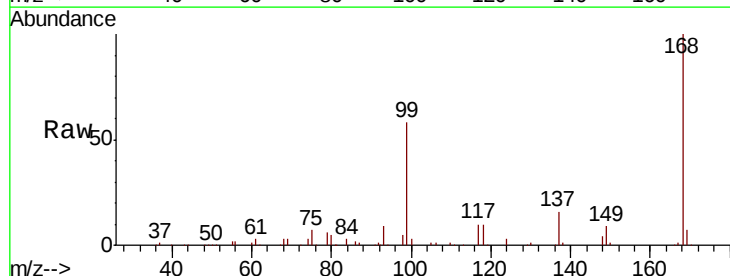
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



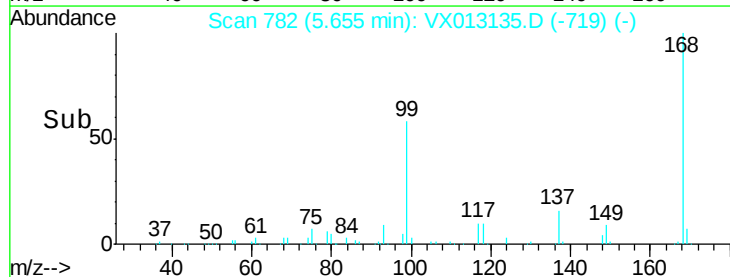
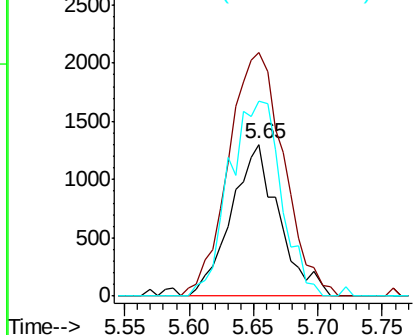
#31

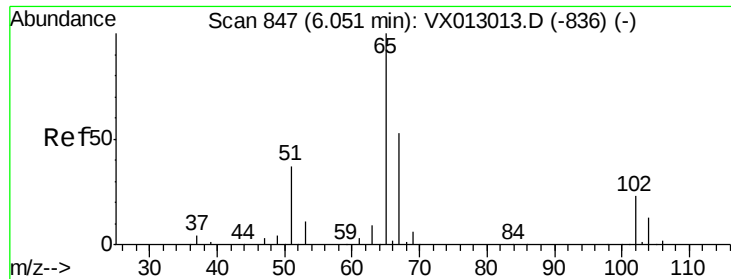
Cyclohexane
 Concen: 1.130 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX013135.D
 Acq: 18 Oct 2019 18:17

Tgt Ion: 56 Resp: 3351
 Ion Ratio Lower Upper
 56 100
 69 160.6 25.2 37.8#
 84 128.6 71.3 106.9#



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

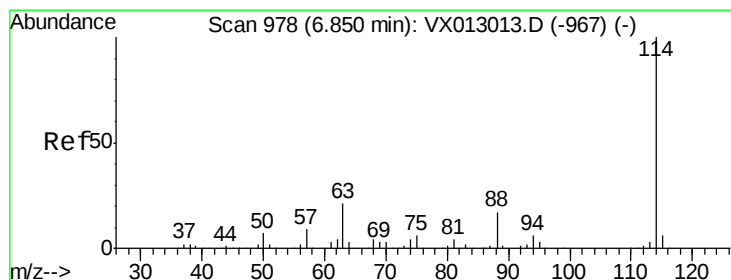
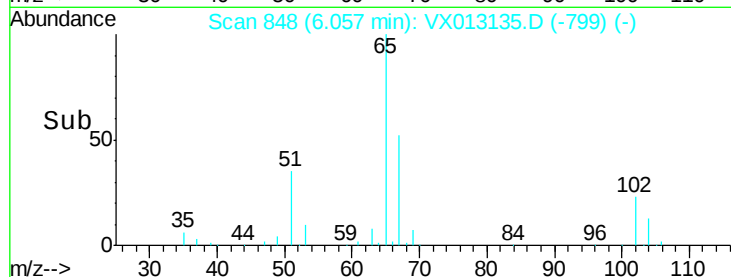
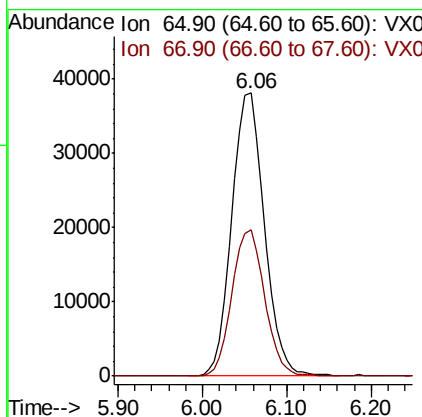
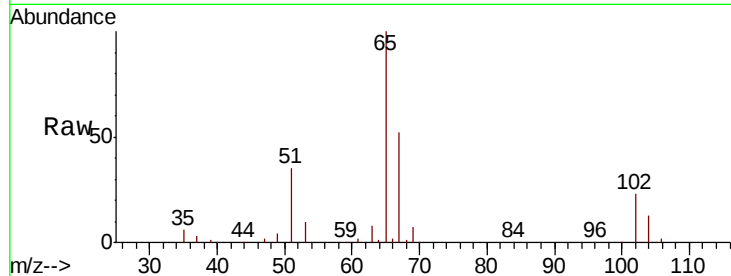




#33
 1,2-Dichloroethane-d4
 Concen: 48.888 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013135.D
 Acq: 18 Oct 2019 18:17

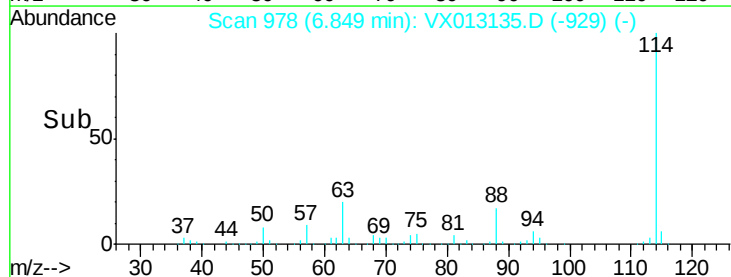
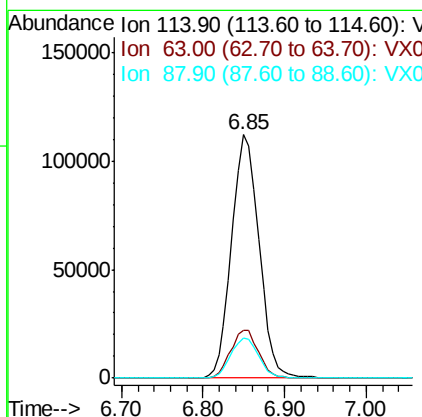
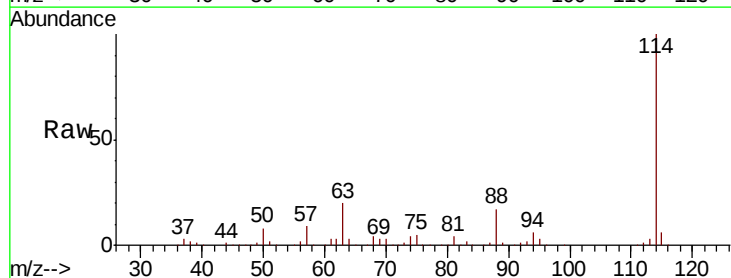
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0342

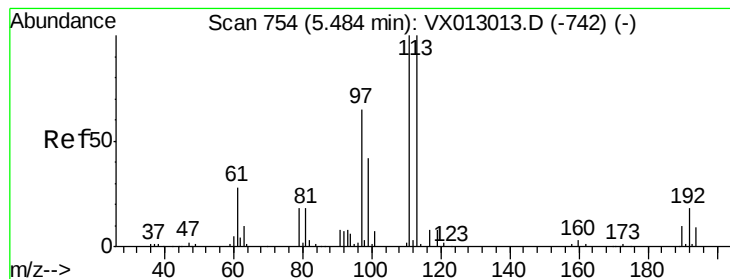
Tot Ion: 65 Resp: 99897
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013135.D
 Acq: 18 Oct 2019 18:17

Tgt Ion: 114 Resp: 261388
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.673 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0342

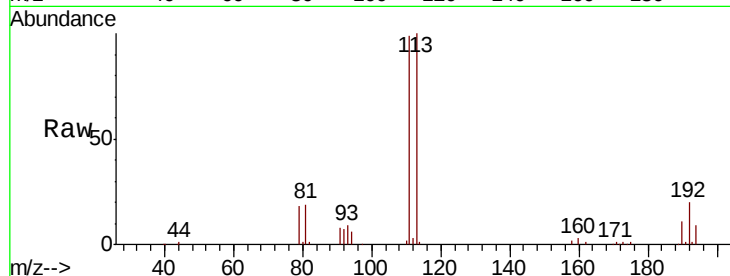
Tot Ion:113 Resp: 77521

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

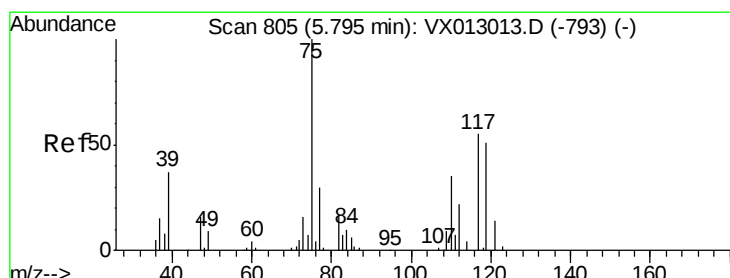
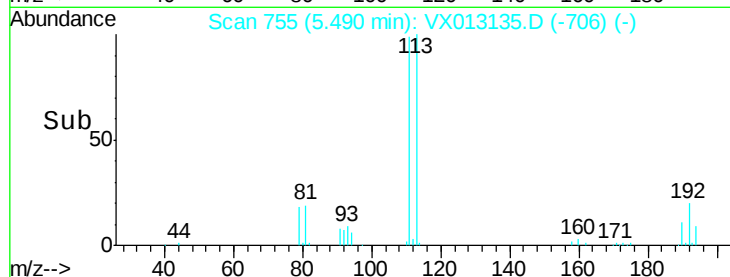
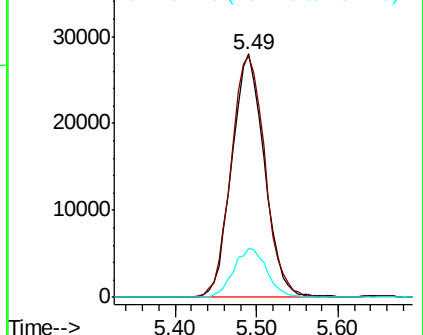
192 20.4 15.4 23.2



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: 5.281 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

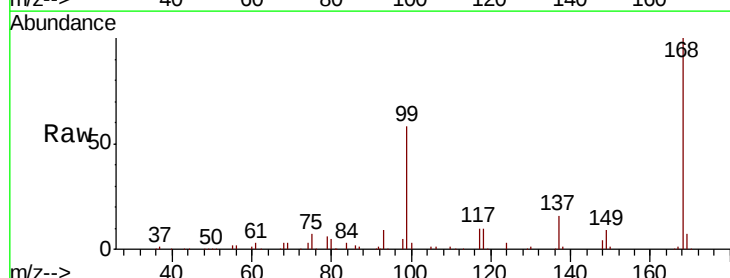
Tgt Ion: 75 Resp: 12136

Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.9#

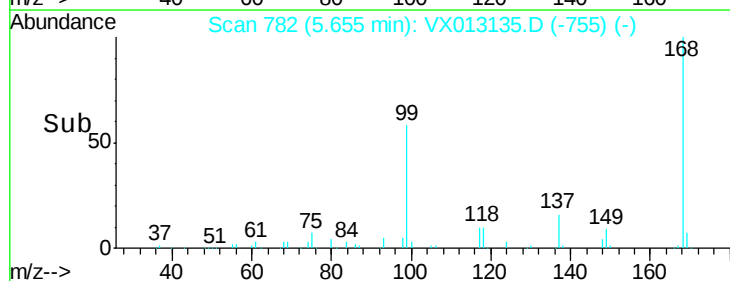
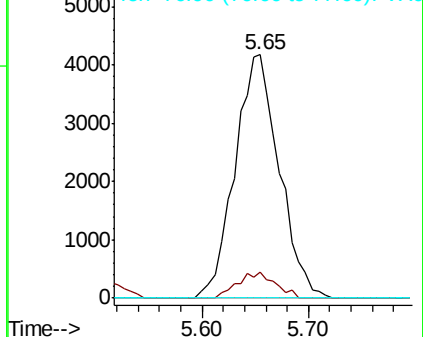
77 0.0 24.4 36.6#

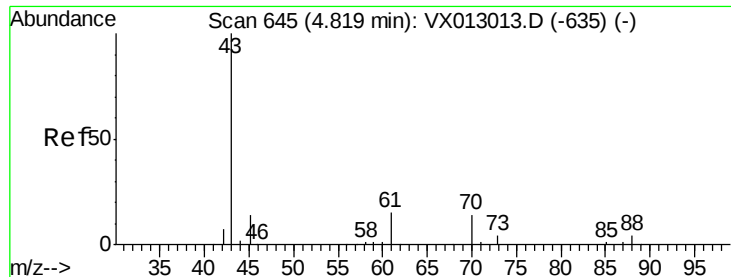


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

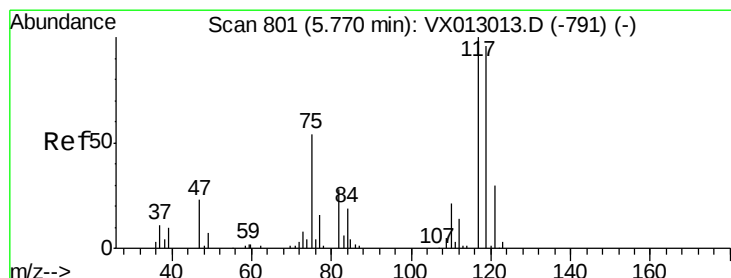
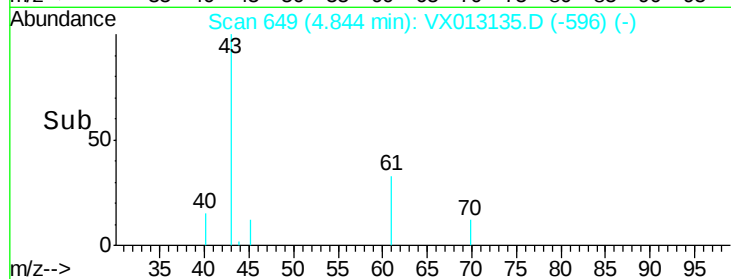
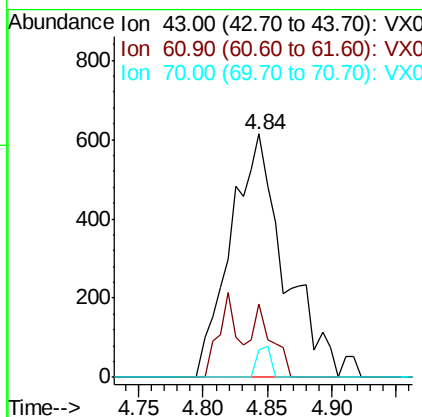
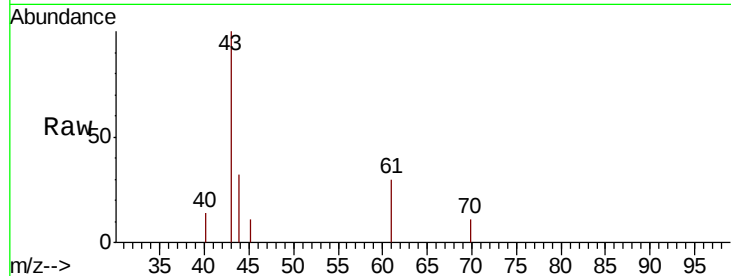




#37
Ethyl Acetate
Concen: 0.696 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX013135.D
Acq: 18 Oct 2019 18:17

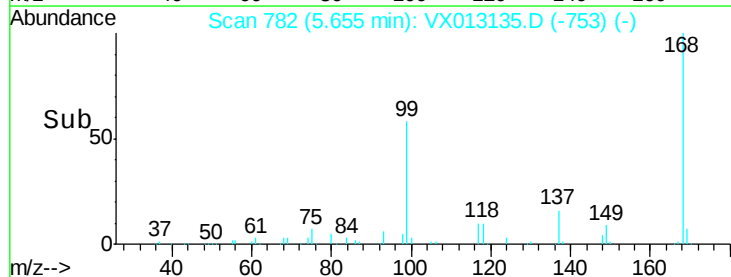
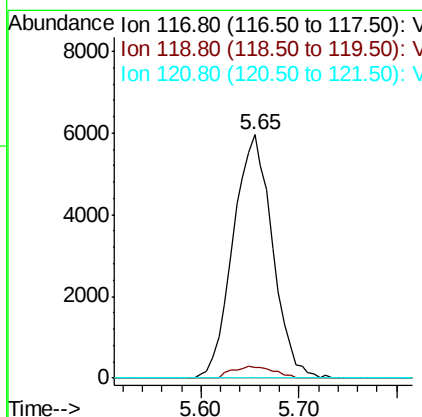
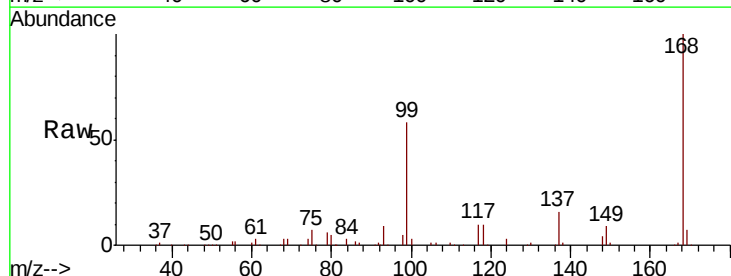
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0342

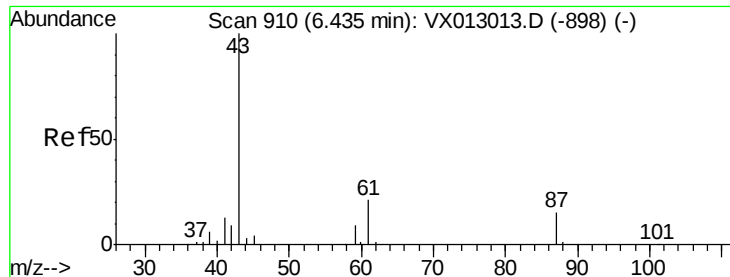
Tot Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 3.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.425 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013135.D
Acq: 18 Oct 2019 18:17

Tgt Ion: 117 Resp: 16608
Ion Ratio Lower Upper
117 100
119 4.4 74.5 111.7#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 0.709 ug/l

RT: 6.34 min Scan# 894

Delta R.T. -0.10 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0342

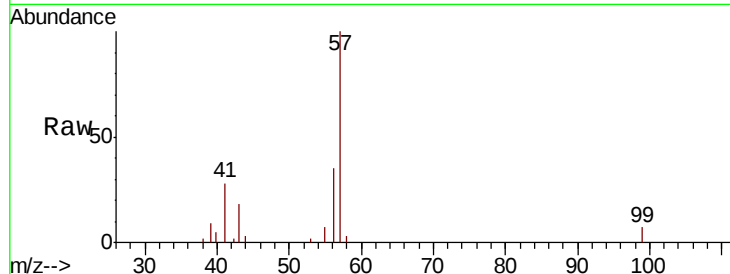
Tot Ion: 43 Resp: 2923

Ion Ratio Lower Upper

43 100

61 0.0 16.6 24.8#

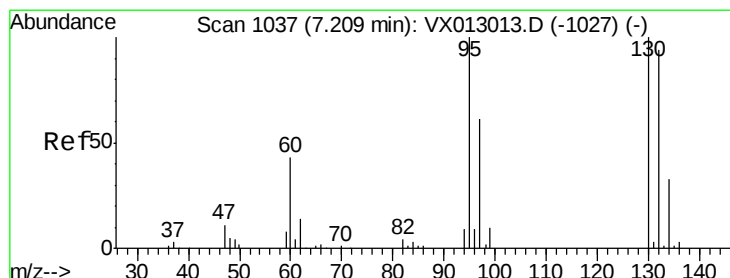
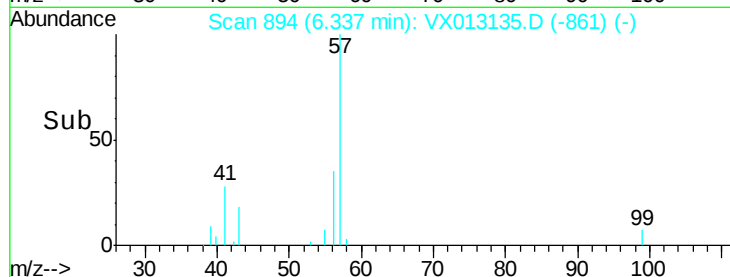
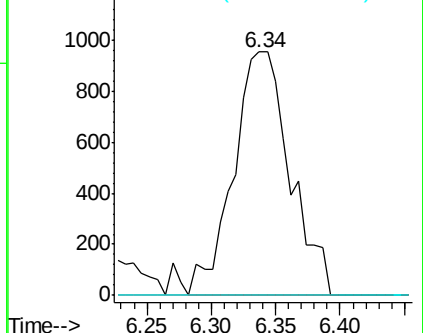
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.841 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013135.D

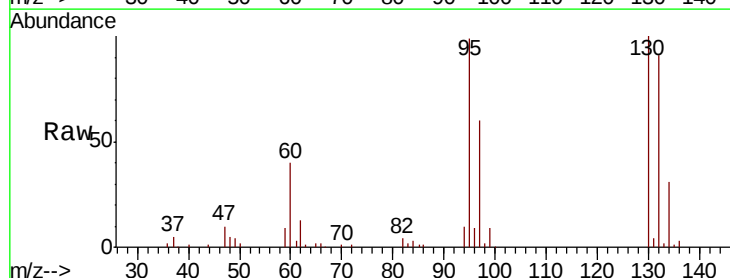
Acq: 18 Oct 2019 18:17

Tgt Ion: 130 Resp: 35463

Ion Ratio Lower Upper

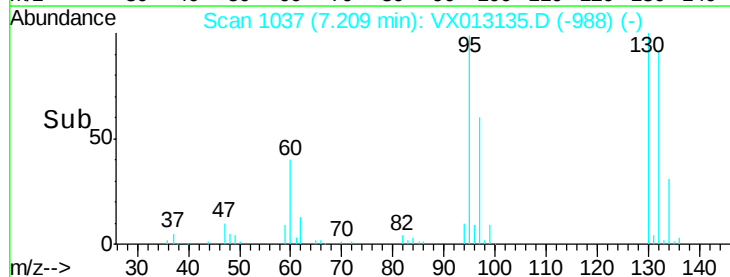
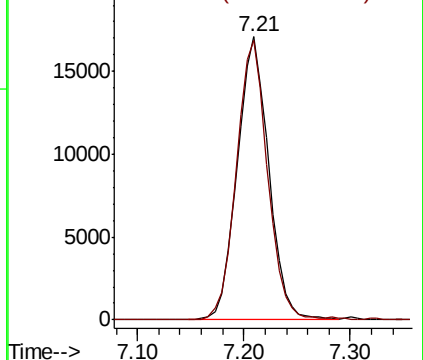
130 100

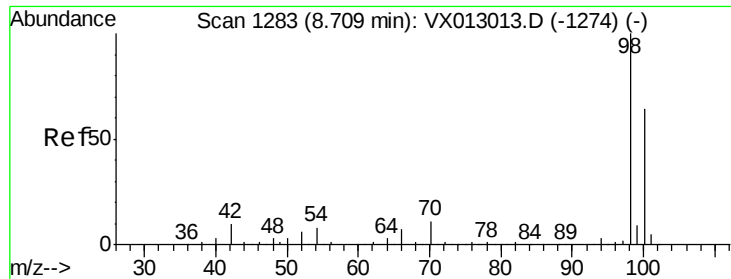
95 98.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

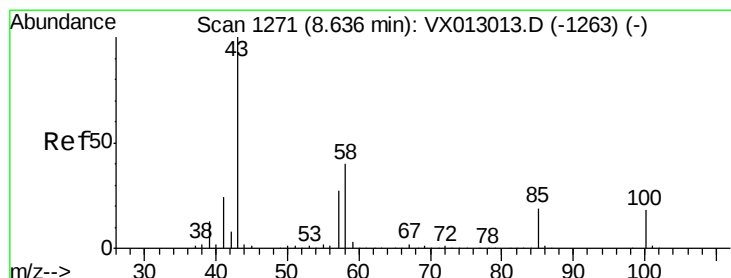
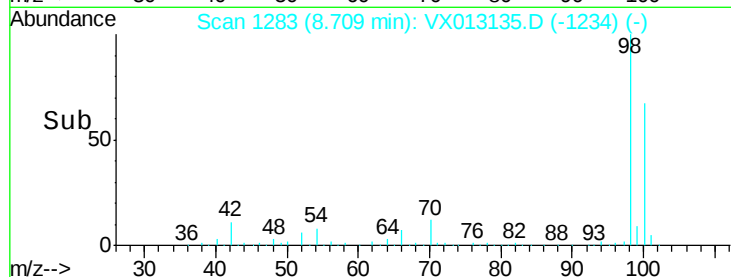
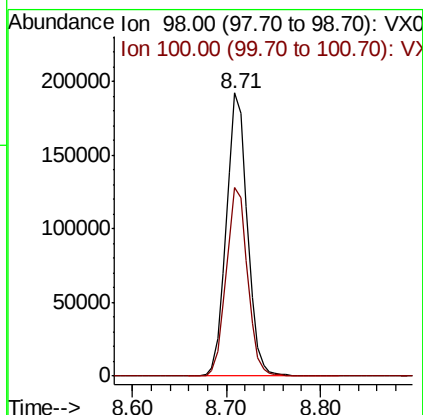
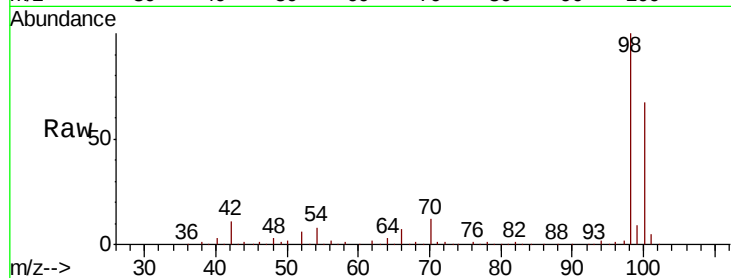




#50
Toluene-d8
Concen: 51.146 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013135.D
Acq: 18 Oct 2019 18:17

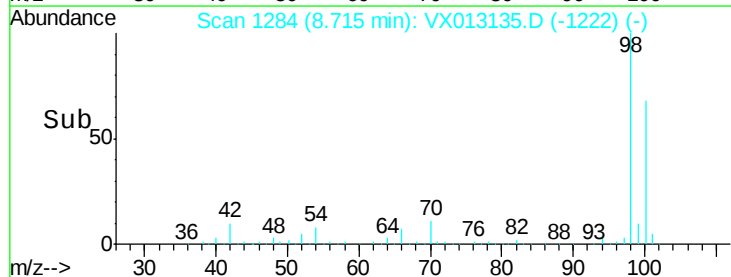
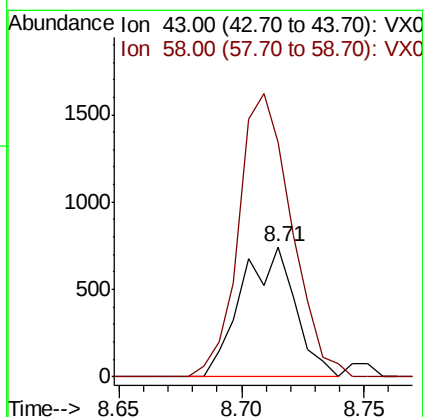
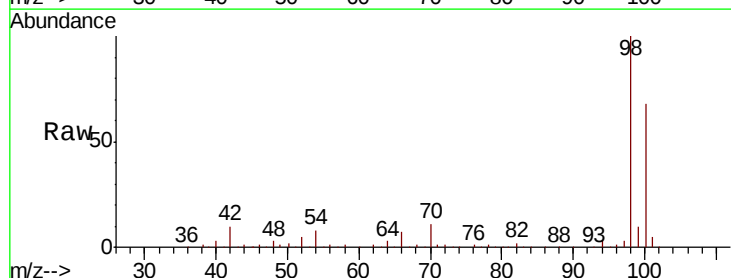
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0342

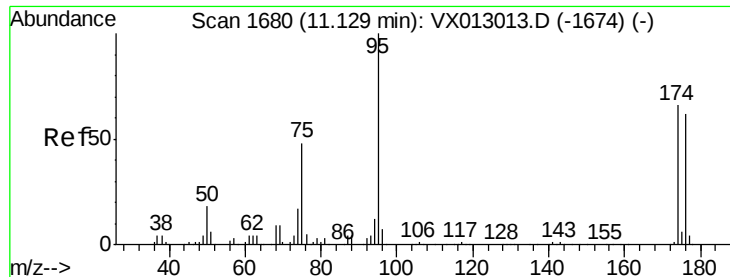
Tot Ion: 98 Resp: 299266
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX013135.D
Acq: 18 Oct 2019 18:17

Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
58 214.3 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 43.997 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0342

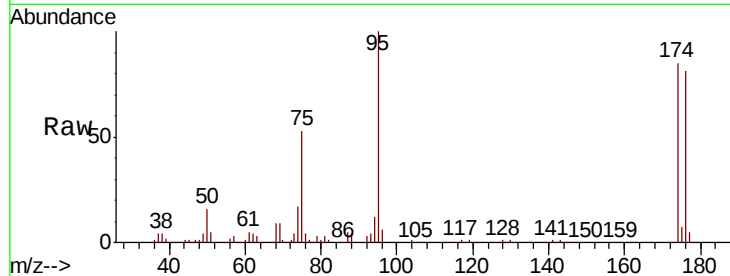
Tot Ion: 95 Resp: 100030

Ion Ratio Lower Upper

95 100

174 76.9 0.0 143.4

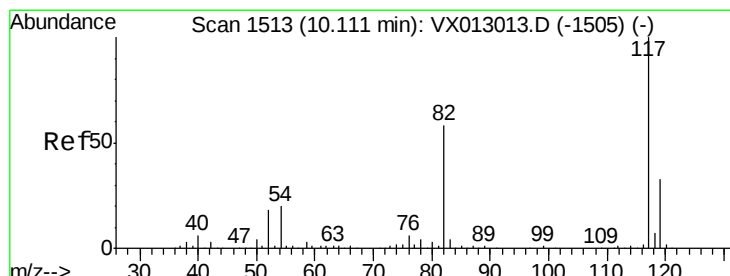
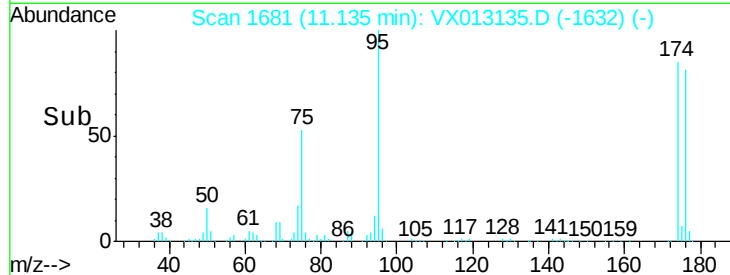
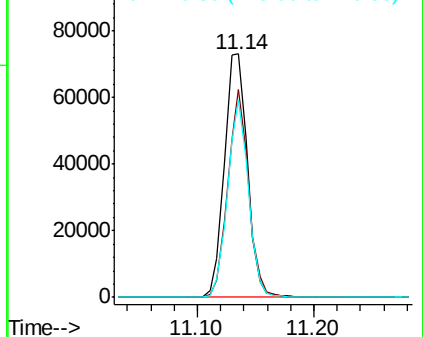
176 73.5 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX013135.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013135.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013135.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

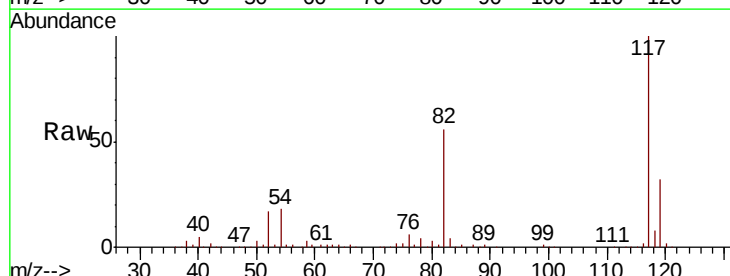
Tgt Ion: 117 Resp: 220566

Ion Ratio Lower Upper

117 100

82 55.6 44.1 66.1

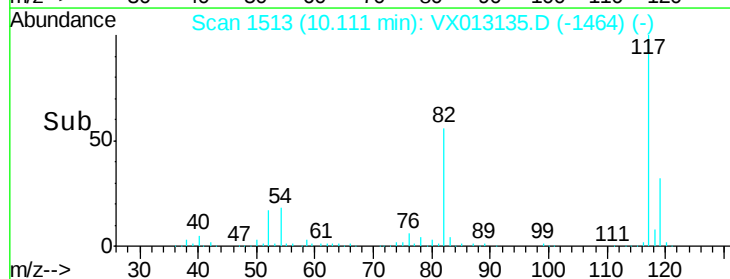
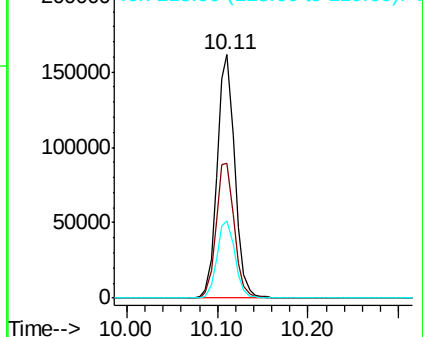
119 31.9 25.8 38.8

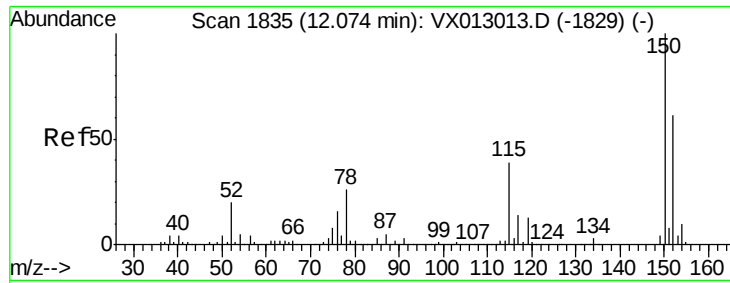


Abundance Ion 116.90 (116.60 to 117.60): VX013135.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013135.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013135.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0342

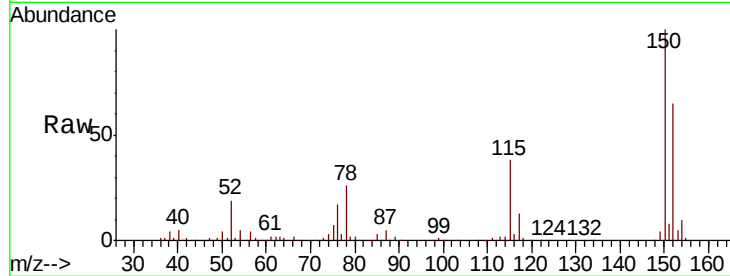
Tot Ion:152 Resp: 85121

Ion Ratio Lower Upper

152 100

115 60.0 44.5 133.5

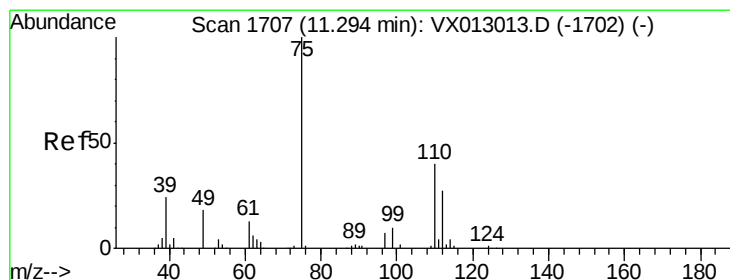
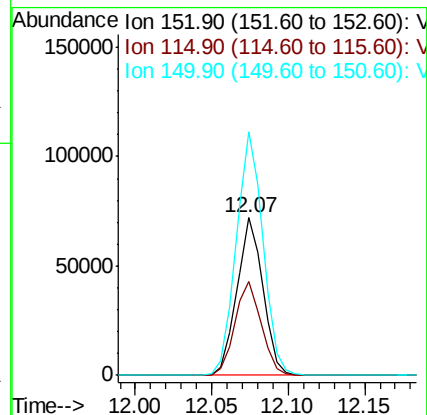
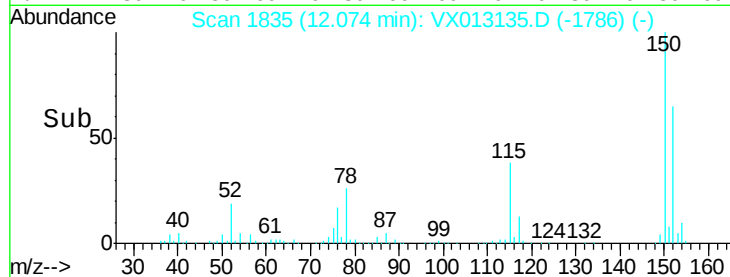
150 157.7 0.0 353.4



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: 27.038 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013135.D

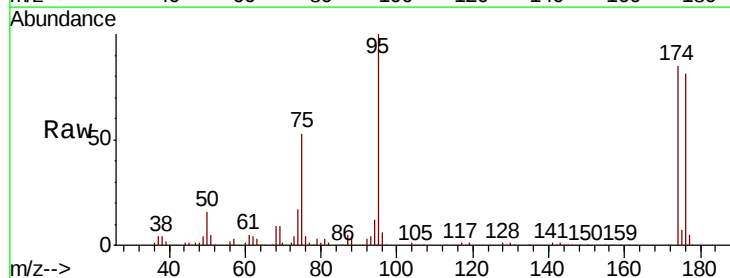
Acq: 18 Oct 2019 18:17

Tgt Ion: 75 Resp: 51048

Ion Ratio Lower Upper

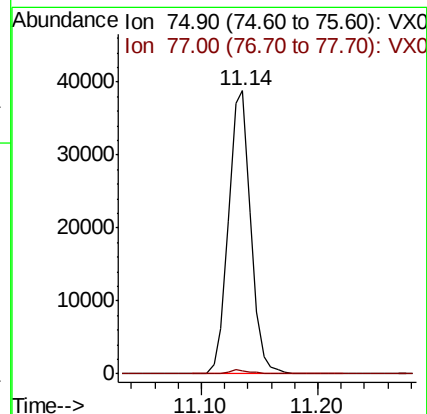
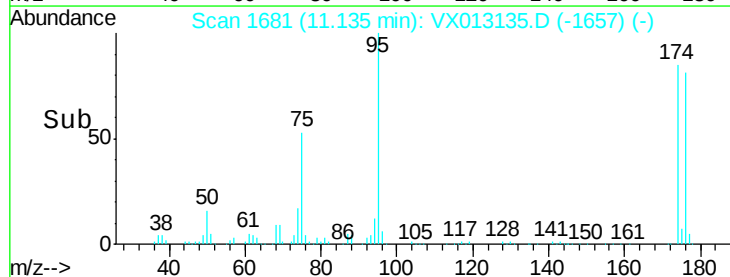
75 100

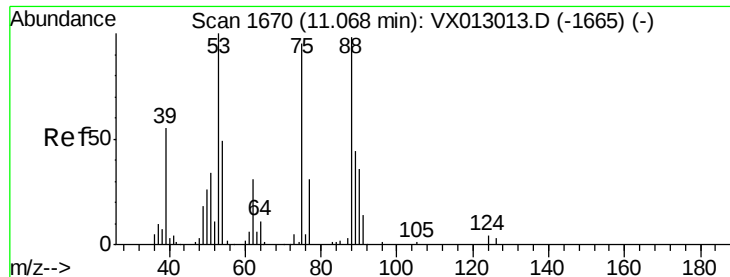
77 1.2 22.9 68.8#



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: 67.934 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013135.D

Acq: 18 Oct 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0342

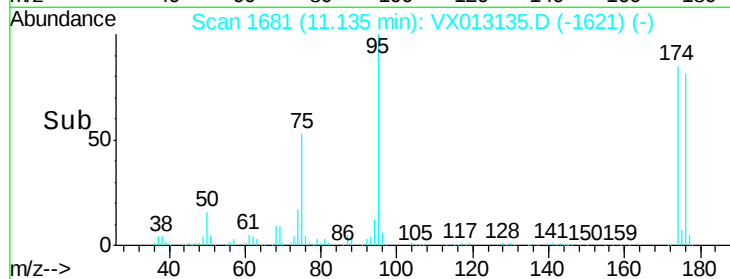
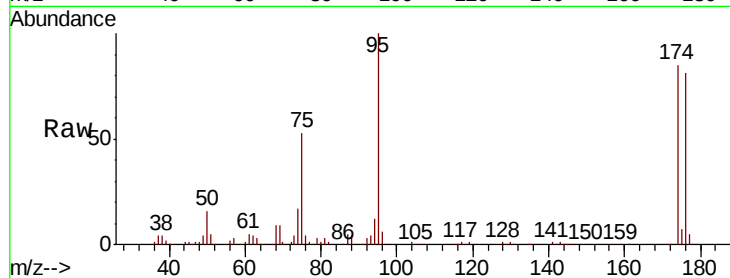
Tot Ion: 75 Resp: 51048

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

