

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012106.D
 Acq On : 05 Sep 2019 17:38
 Operator : SY/SP
 Sample : K4545-05RE
 Misc : 6.43g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E2-(2.25)RE

Quant Time: Sep 06 05:43:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	117606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	196850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	123753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	22297	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	80597	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	5.48	113	60702	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.71	98	203102	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
62) 4-Bromofluorobenzene	11.14	95	49731	24.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.14%	

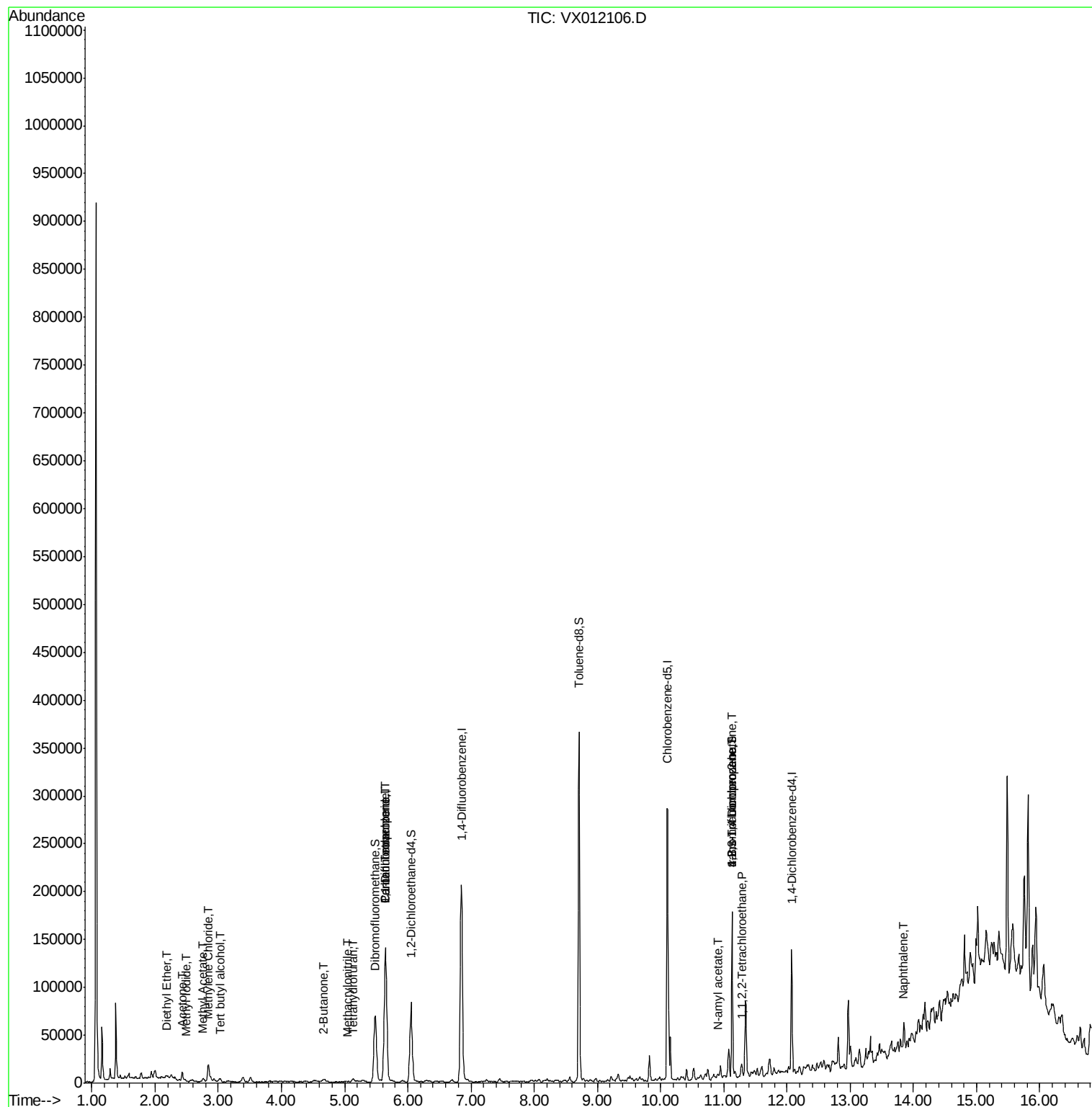
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	870	1.551	ug/l	93
10) Methyl Iodide	2.50	142	128	7.079	ug/l #	85
11) Tert butyl alcohol	3.03	59	4215	27.043	ug/l #	92
13) Acrolein	2.27	56	127	Below Cal	#	12
16) Acetone	2.43	43	9872	25.452	ug/l	98
18) Methyl Acetate	2.76	43	2356	2.578	ug/l #	88
20) Methylene Chloride	2.84	84	8415	5.403	ug/l	91
25) 2-Butanone	4.67	43	884	1.790	ug/l #	86
29) Tetrahydrofuran	5.14	42	2651	8.912	ug/l #	92
36) 1,1-Dichloropropene	5.65	75	11025	6.359	ug/l #	49
38) Carbon Tetrachloride	5.65	117	13860	7.587	ug/l #	15
41) Methacrylonitrile	5.04	41	753	1.339	ug/l #	23
74) N-amyl acetate	10.91	43	797	1.648	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	11.28	83	739	2.167	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	26502	97.278	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	26502	229.981	ug/l #	10
95) Naphthalene	13.83	128	1111	1.092	ug/l #	74

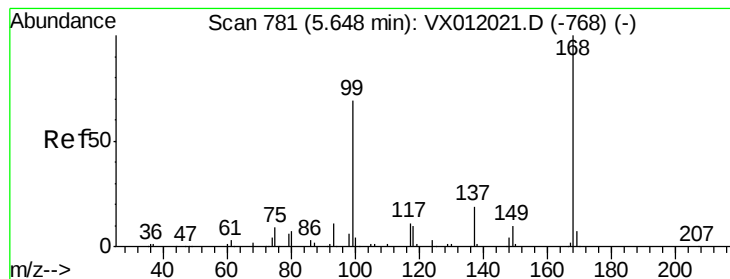
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012106.D
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)RE

Quant Time: Sep 06 05:43:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012106.D

Acq: 05 Sep 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

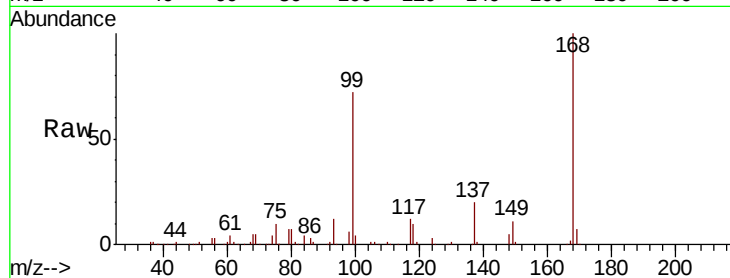
T16-17-E2-(2.25)RE

Tgt Ion:168 Resp: 117606

Ion Ratio Lower Upper

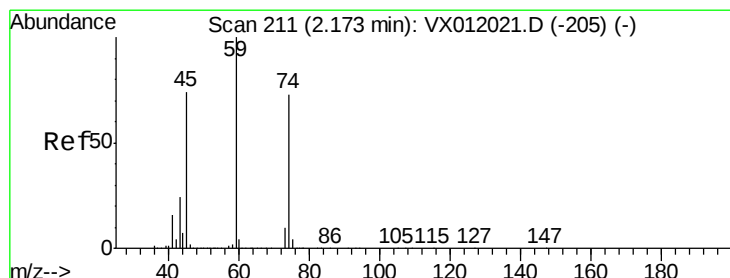
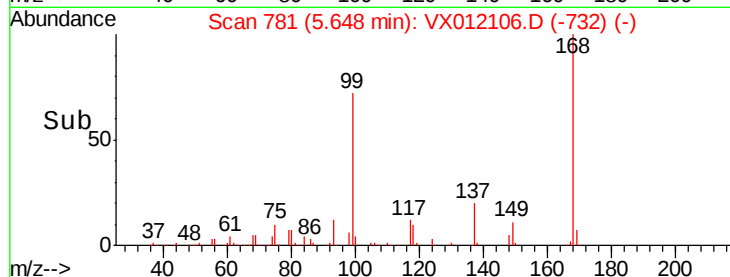
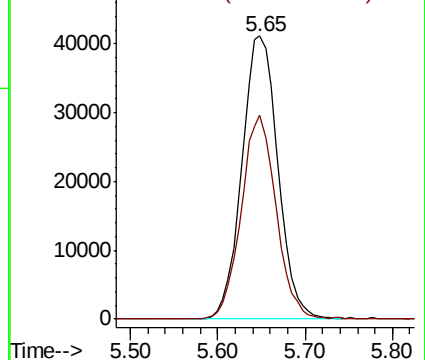
168 100

99 72.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.551 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012106.D

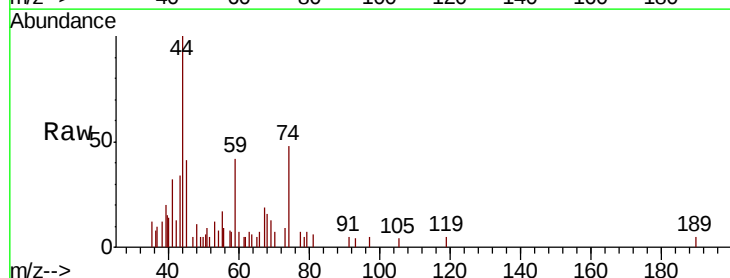
Acq: 05 Sep 2019 17:38

Tgt Ion: 74 Resp: 870

Ion Ratio Lower Upper

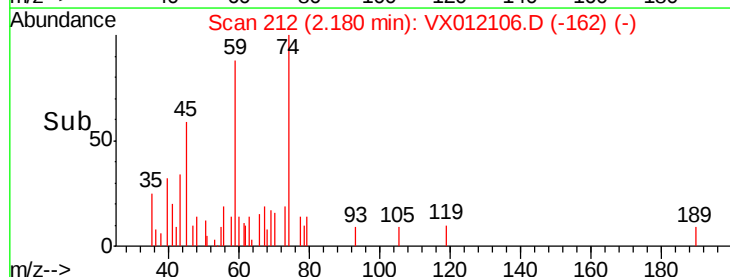
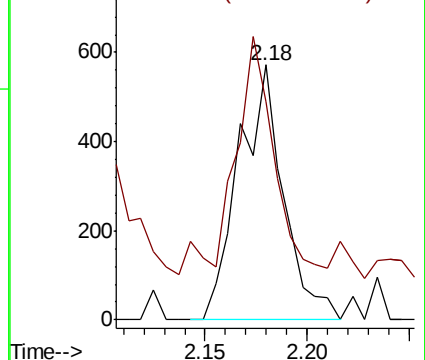
74 100

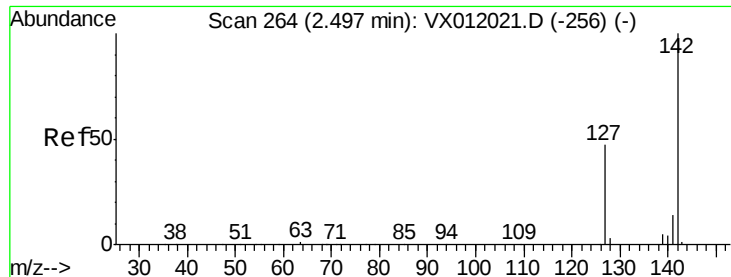
45 84.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

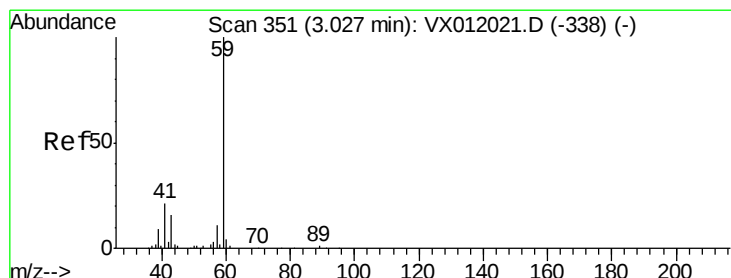
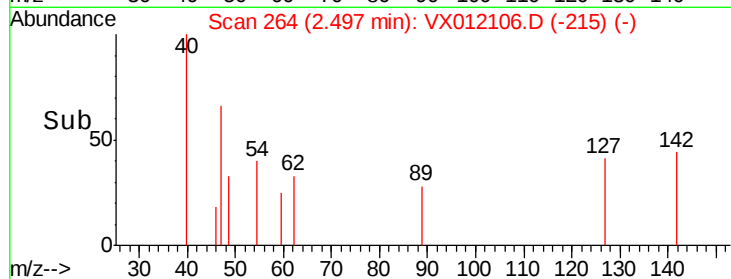
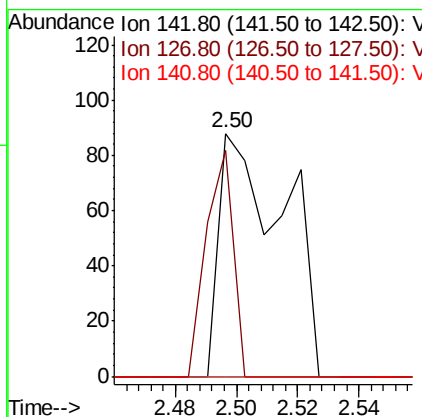
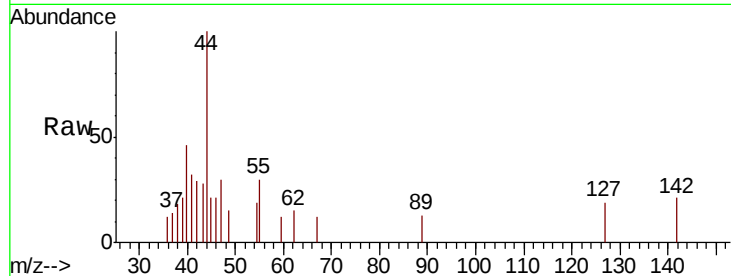




#10
Methyl Iodide
Concen: 7.079 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

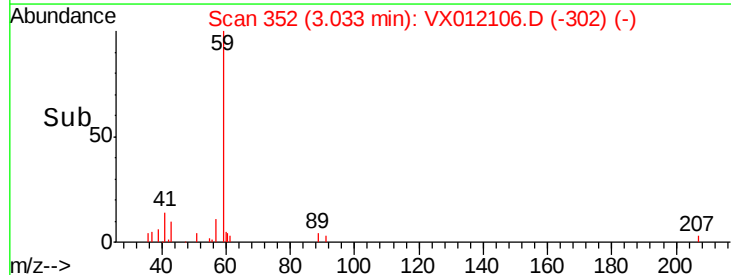
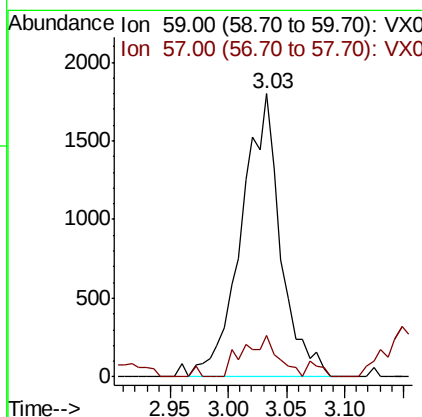
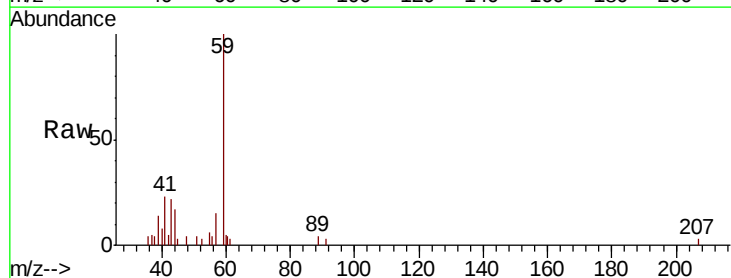
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)RE

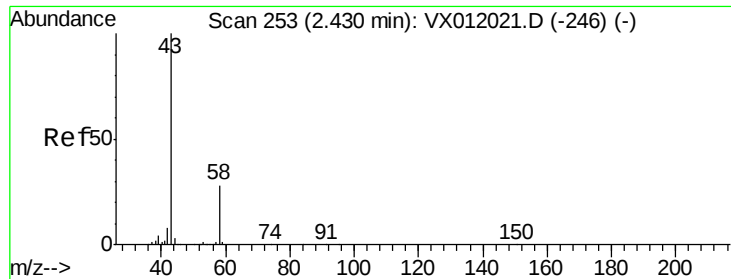
Tgt Ion:142 Resp: 128
Ion Ratio Lower Upper
142 100
127 39.1 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 27.043 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

Tgt Ion: 59 Resp: 4215
Ion Ratio Lower Upper
59 100
57 12.8 7.9 11.9#





#16

Acetone

Concen: 25.452 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012106.D

Acq: 05 Sep 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

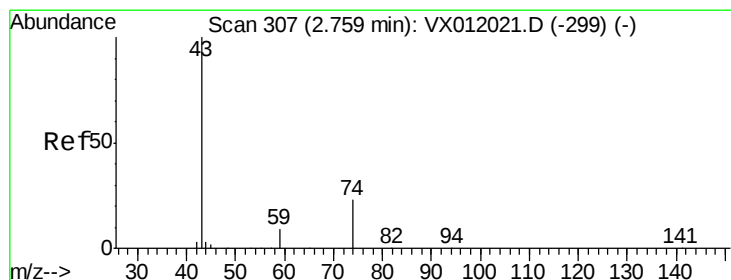
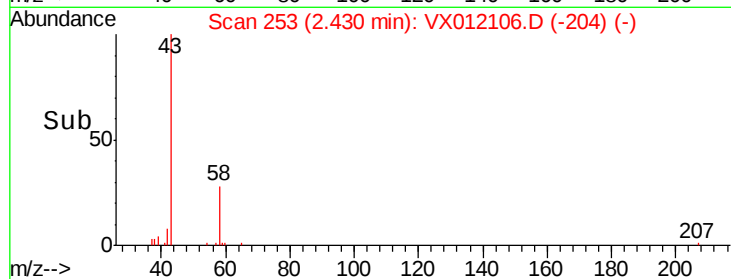
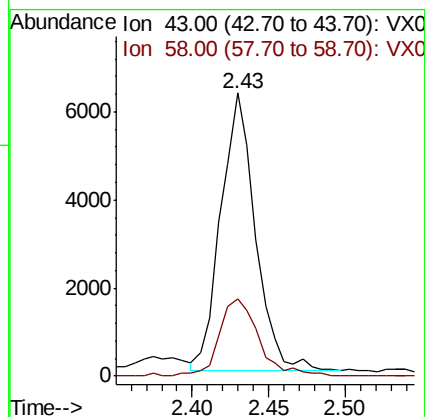
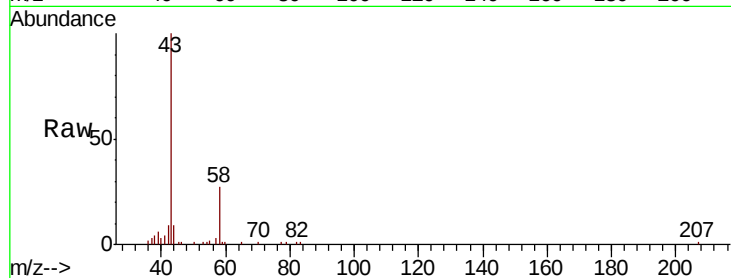
T16-17-E2-(2.25)RE

Tgt Ion: 43 Resp: 9872

Ion Ratio Lower Upper

43 100

58 27.7 22.8 34.2



#18

Methyl Acetate

Concen: 2.578 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012106.D

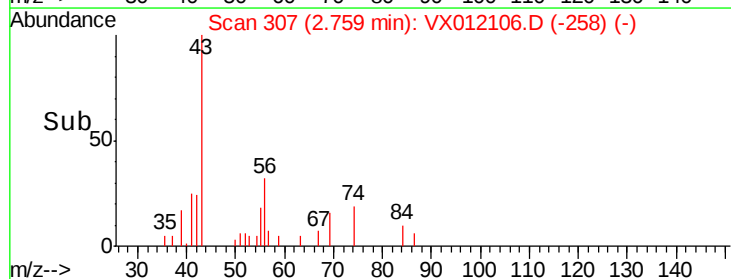
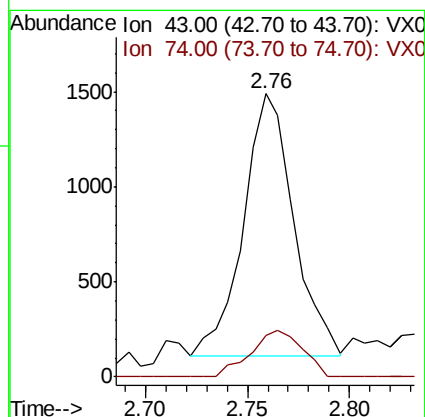
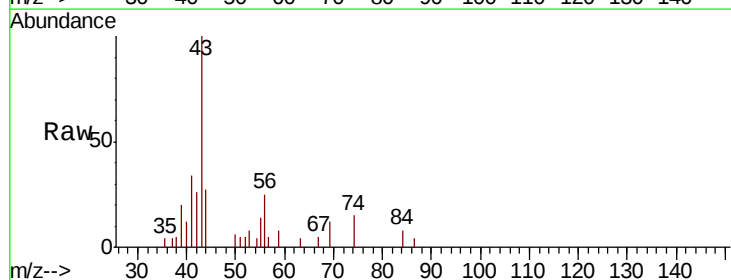
Acq: 05 Sep 2019 17:38

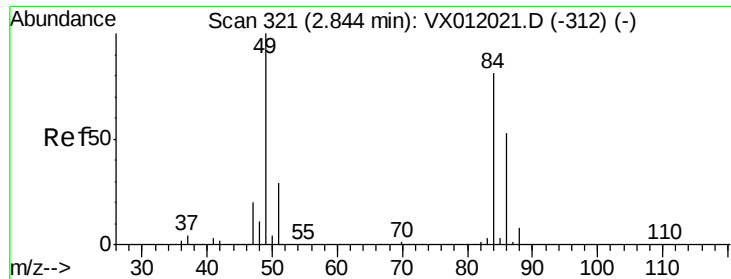
Tgt Ion: 43 Resp: 2356

Ion Ratio Lower Upper

43 100

74 18.3 19.5 29.3#

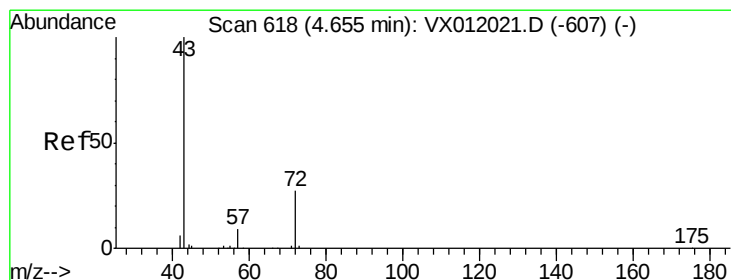
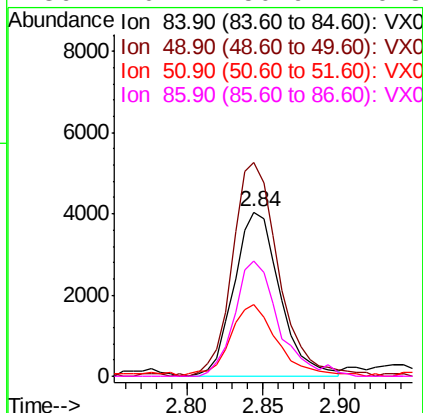
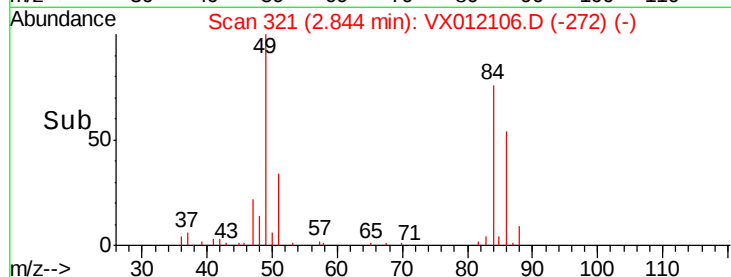
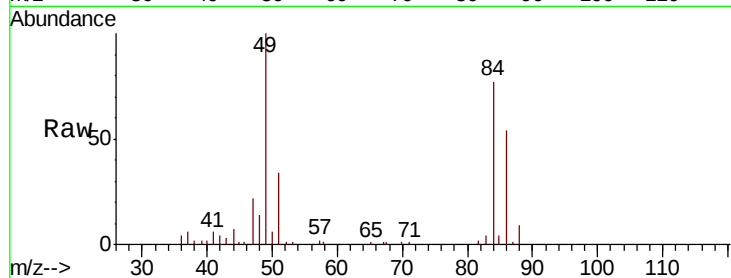




#20
Methylene Chloride
Concen: 5.403 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

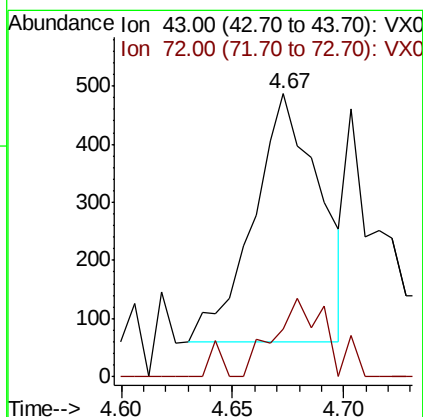
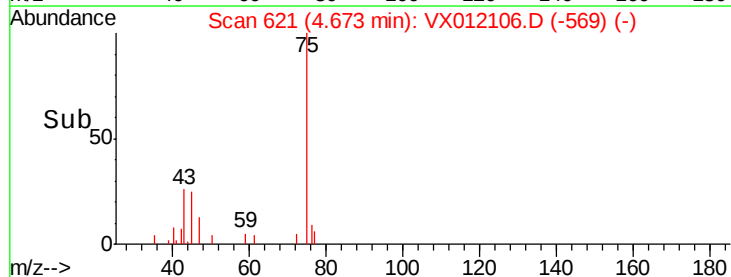
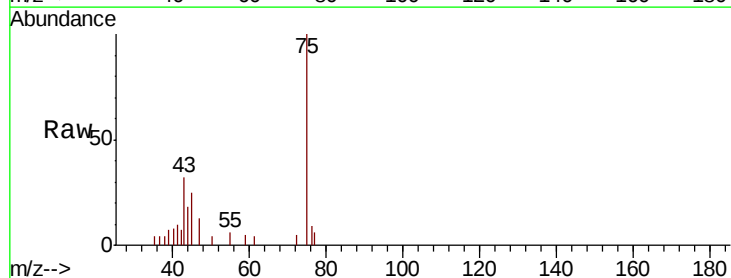
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)RE

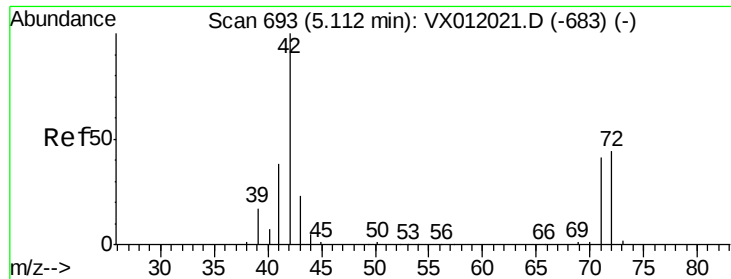
Tgt Ion:	84	Resp:	8415
Ion	Ratio	Lower	Upper
84	100		
49	130.3	95.8	143.8
51	42.0	28.6	43.0
86	70.4	50.9	76.3



#25
2-Butanone
Concen: 1.790 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

Tgt Ion:	43	Resp:	884
Ion	Ratio	Lower	Upper
43	100		
72	19.4	21.3	31.9#





#29

Tetrahydrofuran

Concen: 8.912 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX012106.D

Acq: 05 Sep 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E2-(2.25)RE

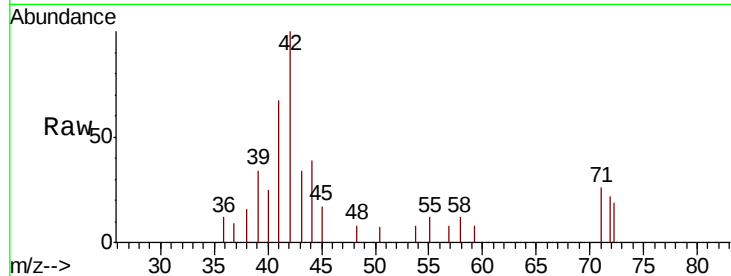
Tgt Ion: 42 Resp: 2651

Ion Ratio Lower Upper

42 100

72 36.5 37.0 55.4#

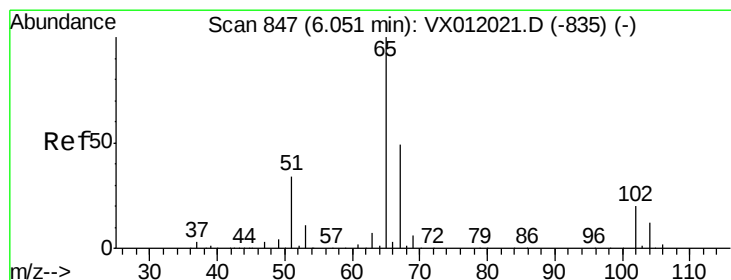
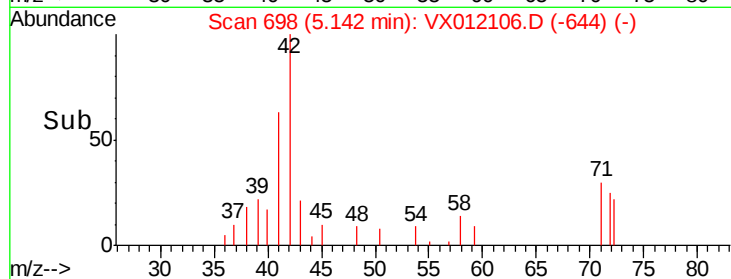
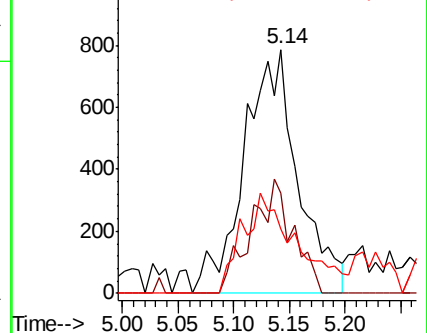
71 41.5 33.8 50.8



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



#33

1,2-Dichloroethane-d4

Concen: 49.668 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012106.D

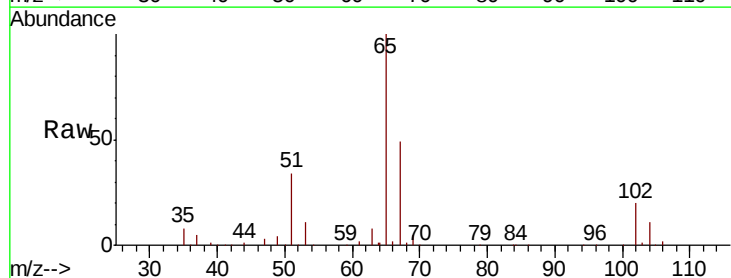
Acq: 05 Sep 2019 17:38

Tgt Ion: 65 Resp: 80597

Ion Ratio Lower Upper

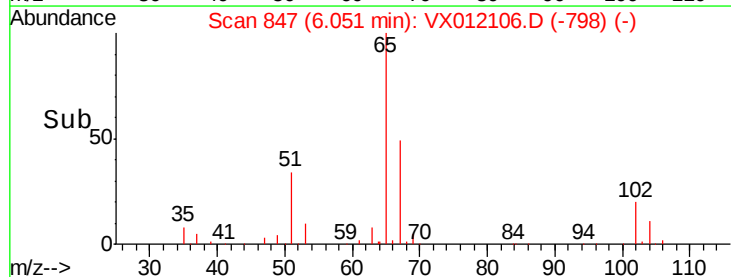
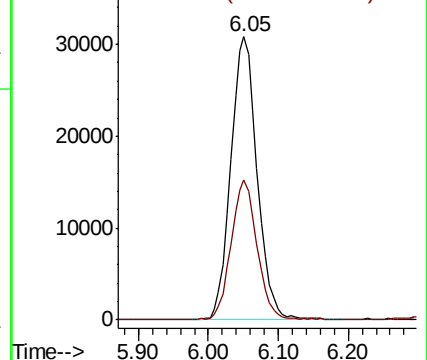
65 100

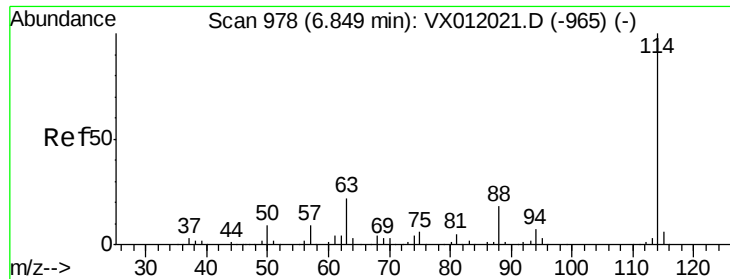
67 48.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

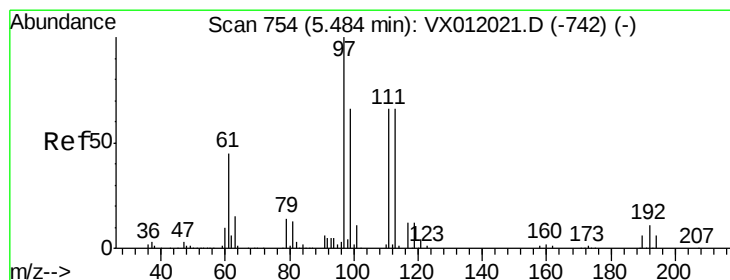
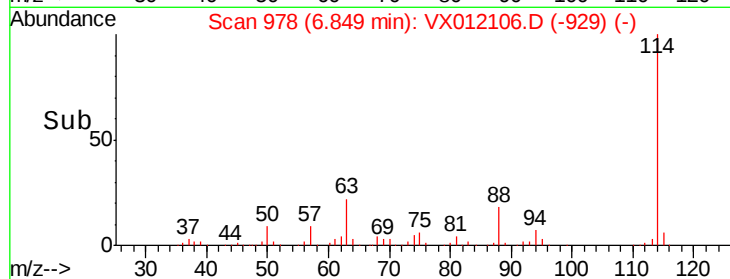
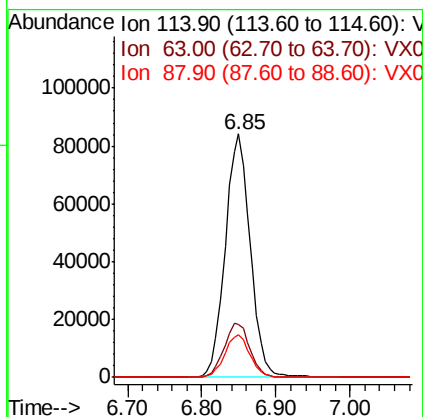
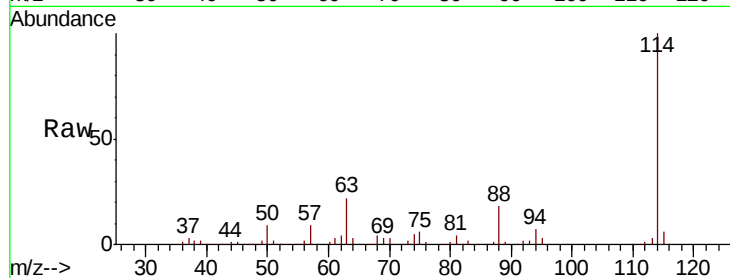




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012106.D
 Acq: 05 Sep 2019 17:38

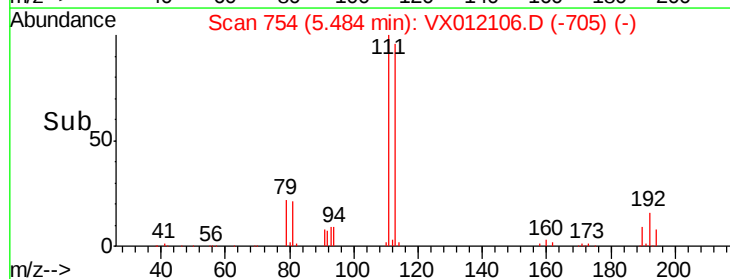
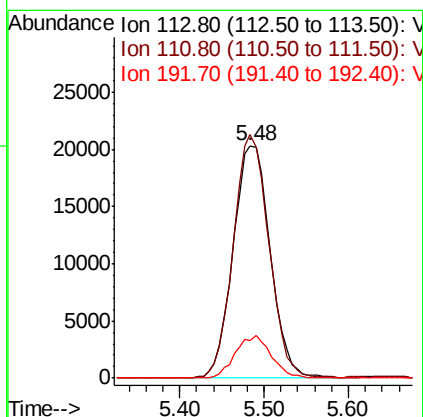
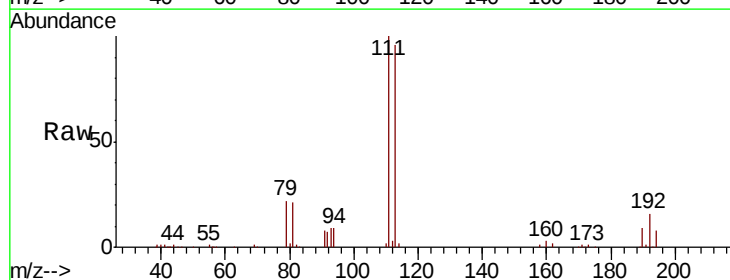
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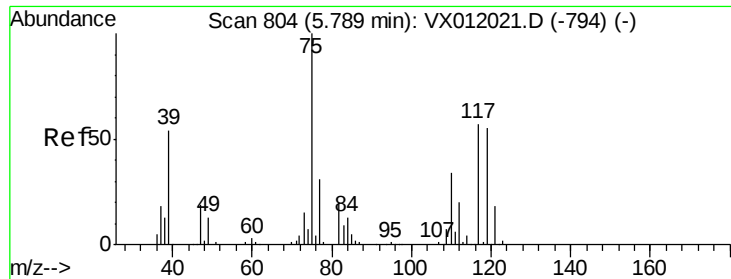
Tgt Ion:114 Resp: 196850
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 37.4
 88 17.6 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 50.143 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012106.D
 Acq: 05 Sep 2019 17:38

Tgt Ion:113 Resp: 60702
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.7 122.5
 192 17.6 22.5 33.7#

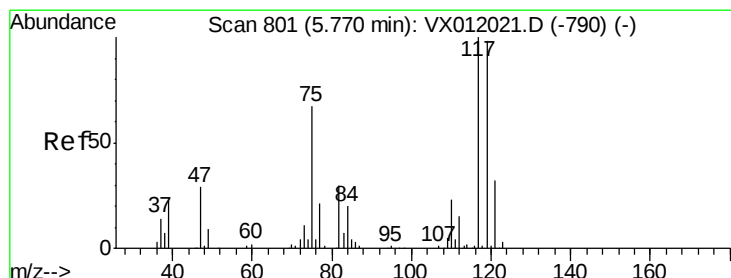
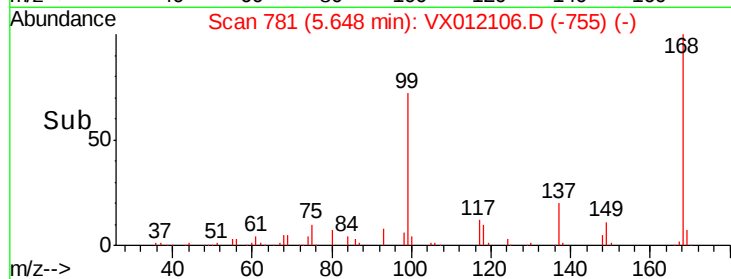
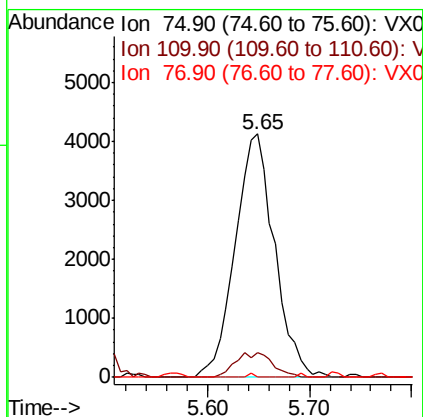
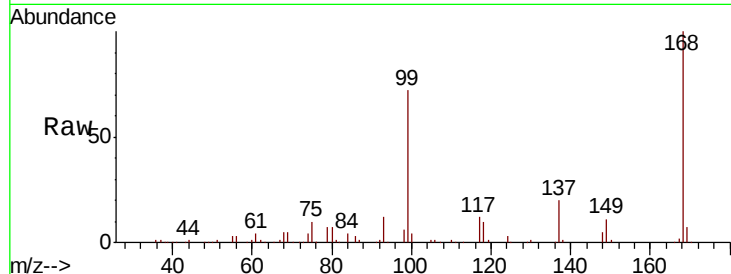




#36
 1,1-Dichloropropene
 Concen: 6.359 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012106.D
 Acq: 05 Sep 2019 17:38

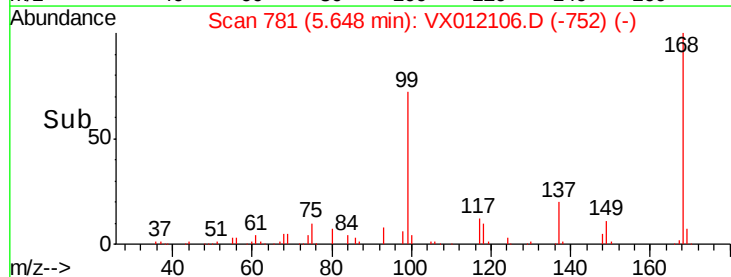
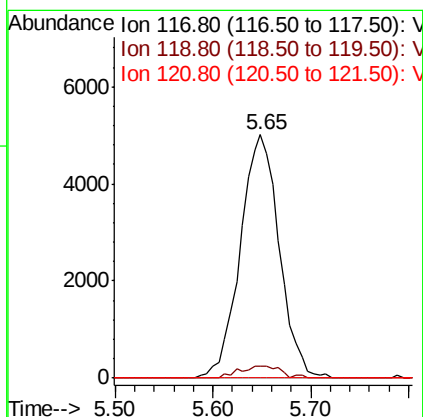
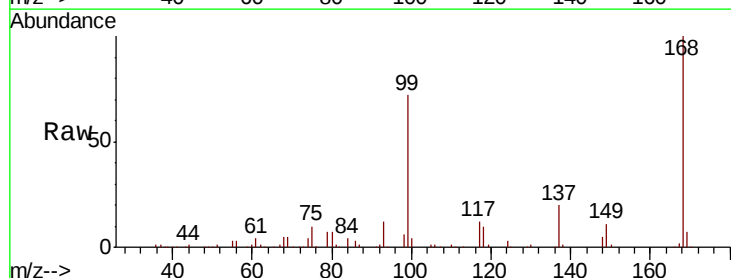
Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E2-(2.25)RE

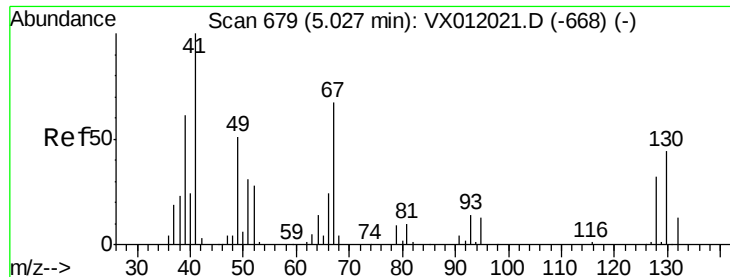
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.5	58.5#
77	0.3	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.587 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012106.D
 Acq: 05 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.3	117.5#
121	0.0	24.2	36.2#

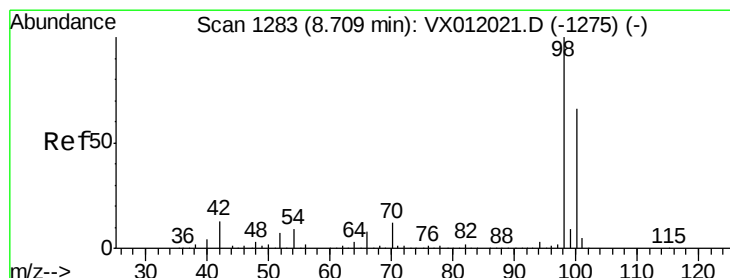
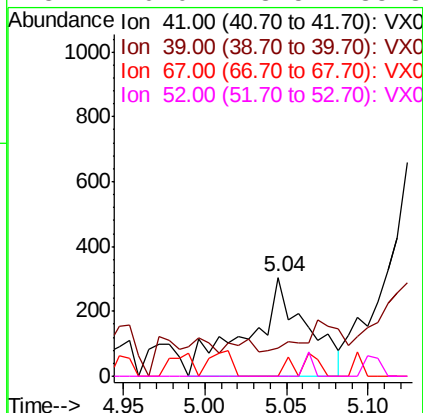
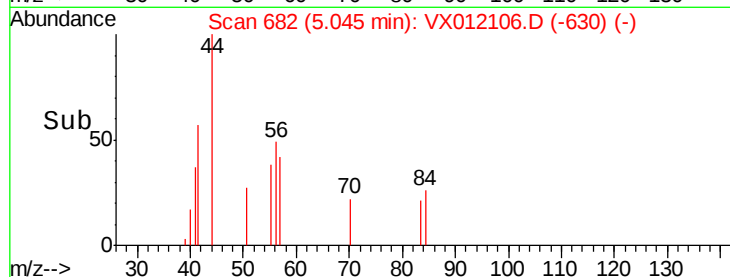
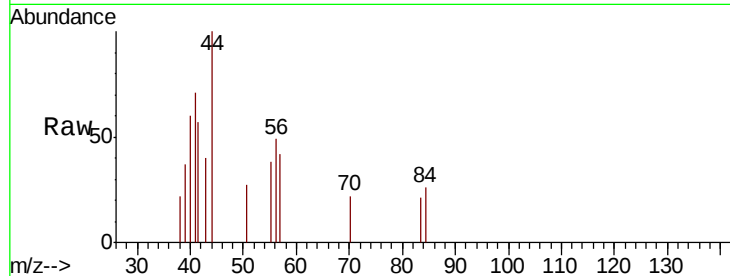




#41
Methacrylonitrile
Concen: 1.339 ug/l
RT: 5.04 min Scan# 682
Delta R.T. 0.02 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

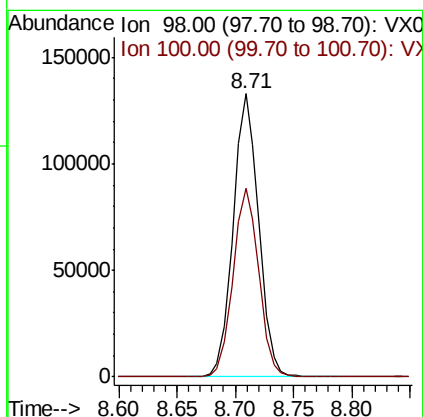
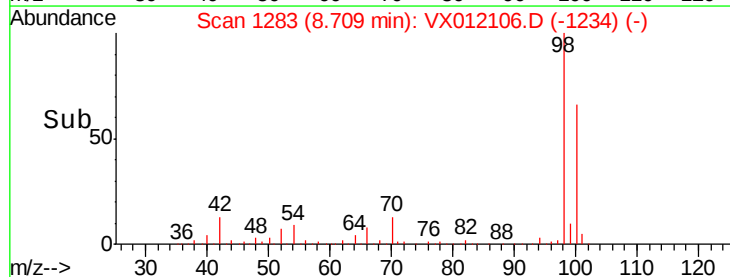
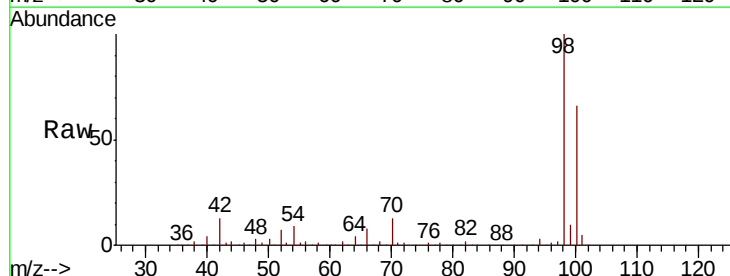
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)RE

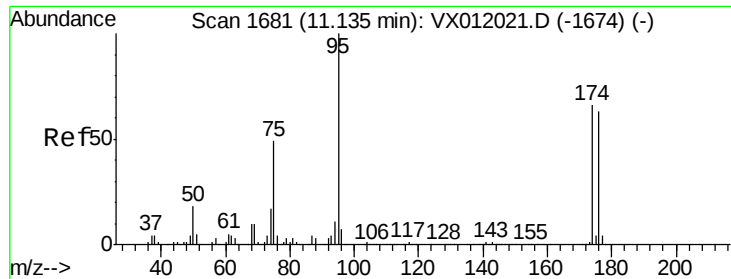
Tgt Ion: 41 Resp: 753
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 57.0 85.6#
52 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 45.721 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

Tgt Ion: 98 Resp: 203102
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9

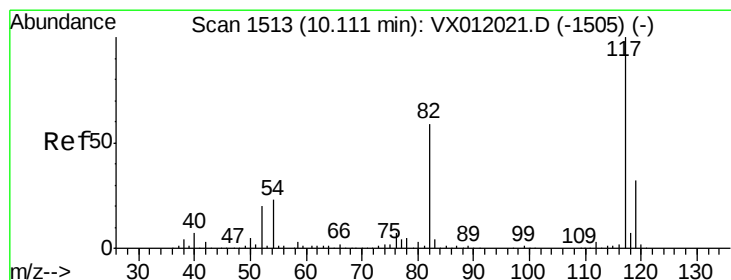
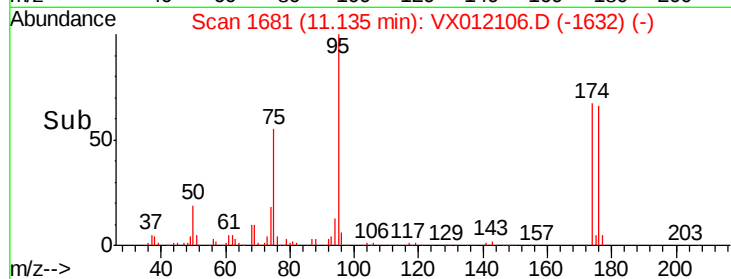
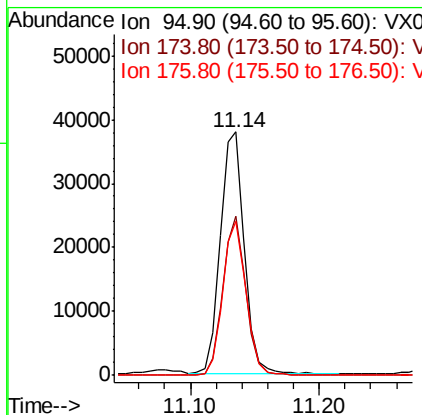
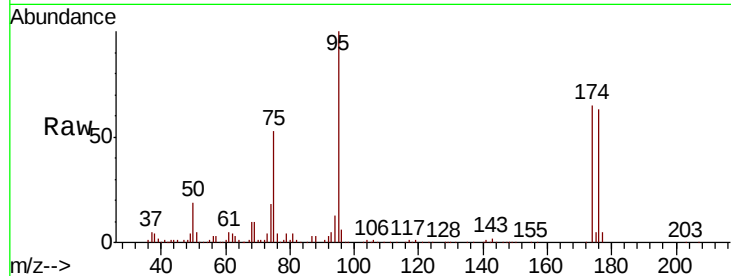




#62
4-Bromofluorobenzene
Concen: 24.072 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

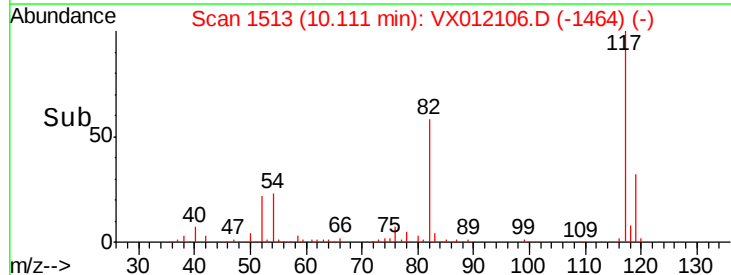
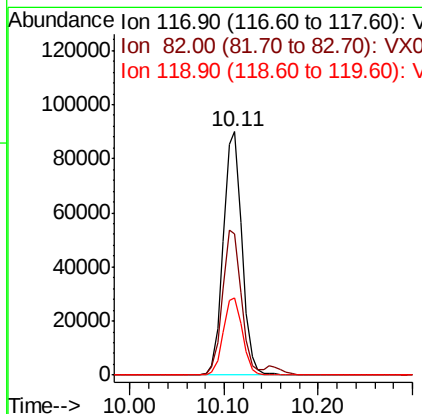
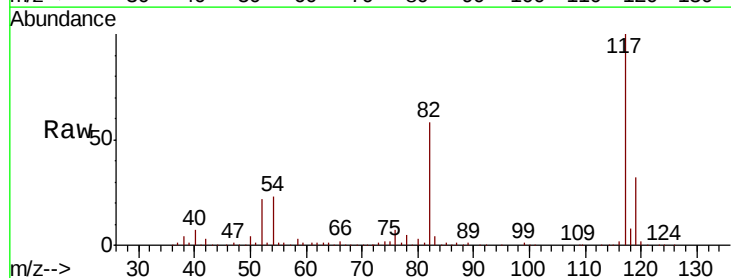
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)RE

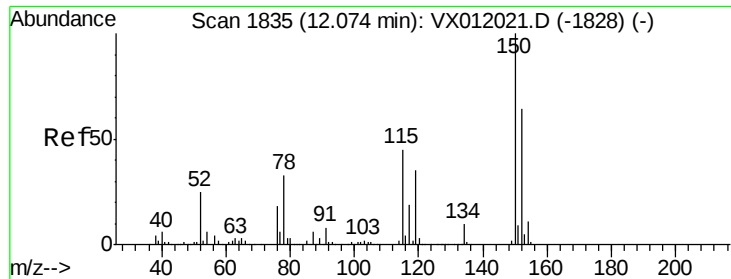
Tgt Ion: 95 Resp: 49731
Ion Ratio Lower Upper
95 100
174 62.8 0.0 205.4
176 62.0 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

Tgt Ion: 117 Resp: 123753
Ion Ratio Lower Upper
117 100
82 58.0 39.4 59.0
119 31.9 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012106.D

Acq: 05 Sep 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E2-(2.25)RE

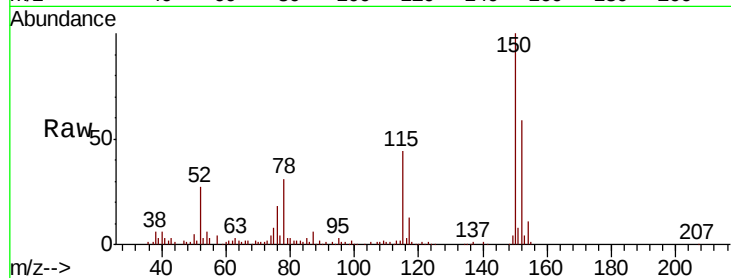
Tgt Ion:152 Resp: 22297

Ion Ratio Lower Upper

152 100

115 69.7 36.4 109.3

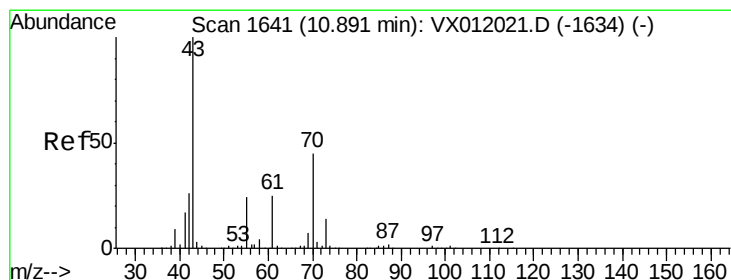
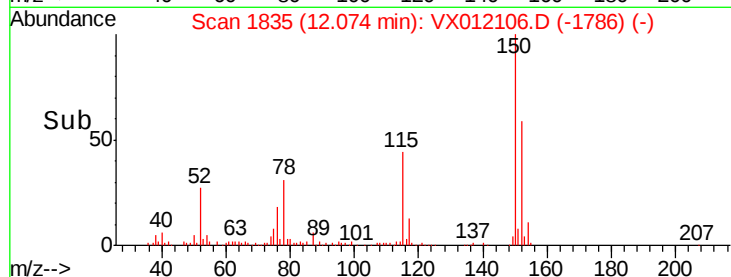
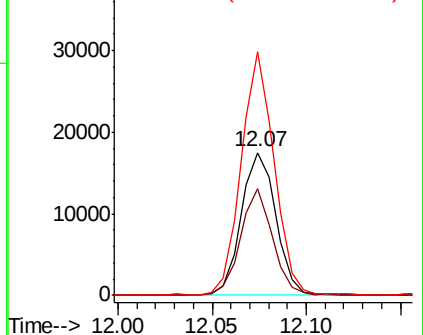
150 164.1 0.0 341.2



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



#74

N-ethyl acetate

Concen: 1.648 ug/l

RT: 10.91 min Scan# 1644

Delta R.T. 0.02 min

Lab File: VX012106.D

Acq: 05 Sep 2019 17:38

Tgt Ion: 43 Resp: 797

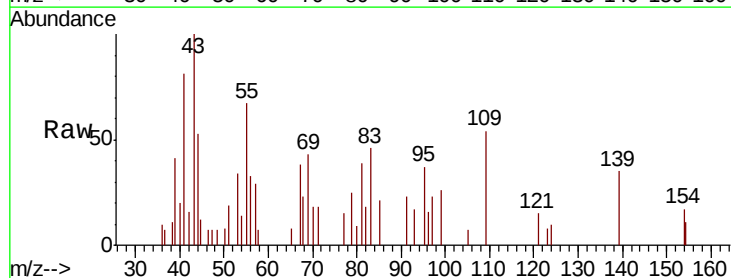
Ion Ratio Lower Upper

43 100

70 14.8 34.4 51.6#

55 70.3 18.5 27.7#

61 0.0 19.5 29.3#

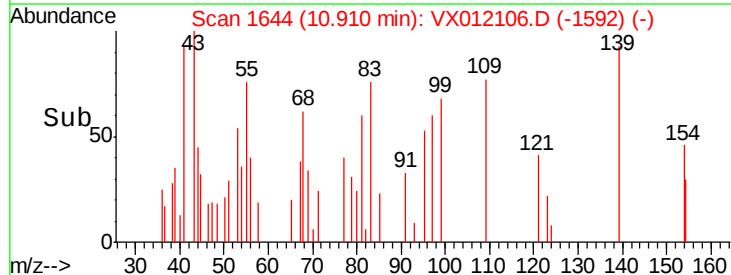
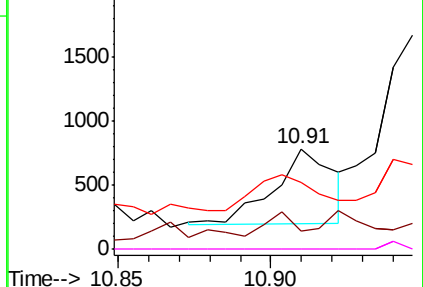


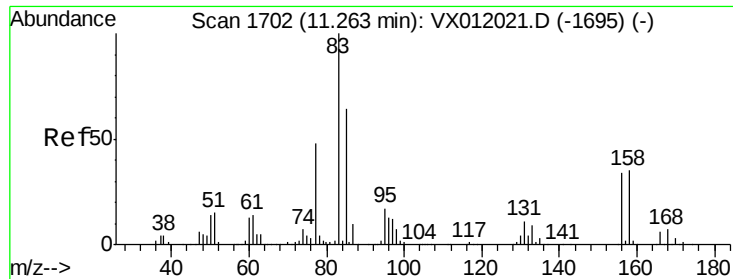
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 2.167 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012106.D

Acq: 05 Sep 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E2-(2.25)RE

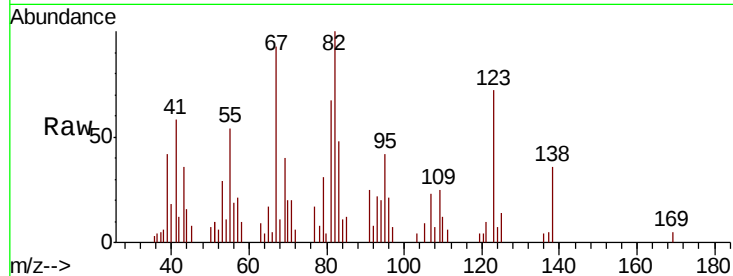
Tgt Ion: 83 Resp: 739

Ion Ratio Lower Upper

83 100

131 0.0 6.3 19.1#

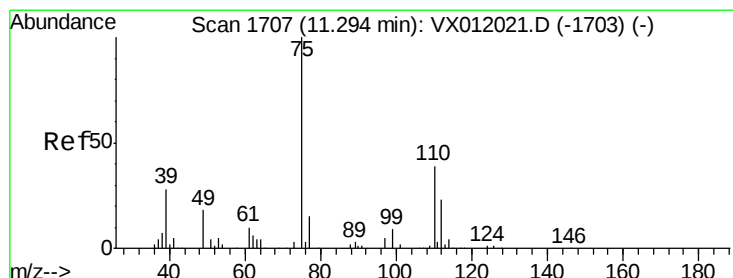
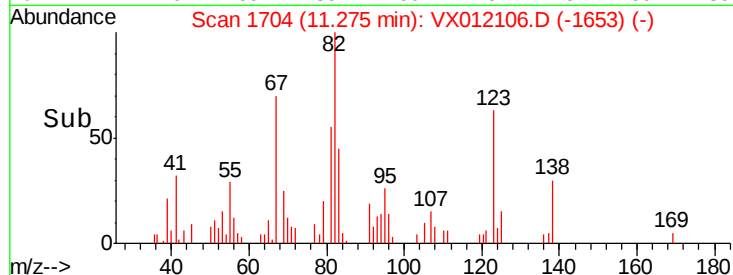
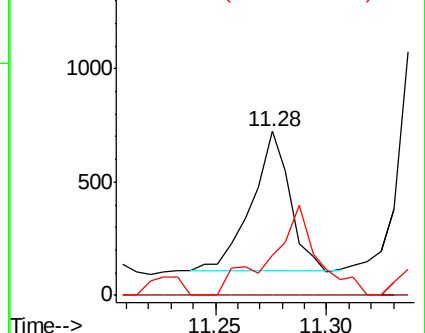
85 79.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 97.278 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012106.D

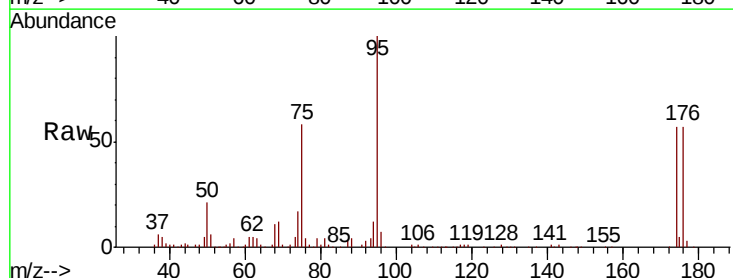
Acq: 05 Sep 2019 17:38

Tgt Ion: 75 Resp: 26502

Ion Ratio Lower Upper

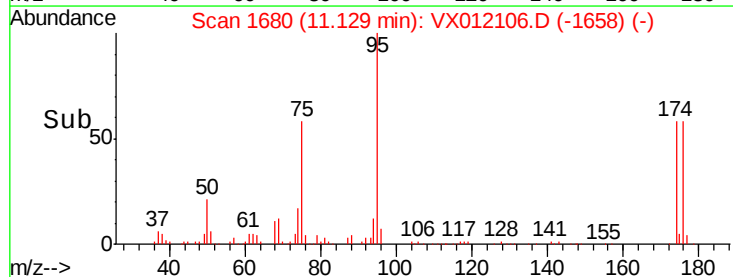
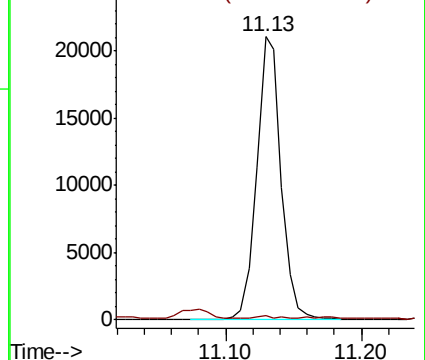
75 100

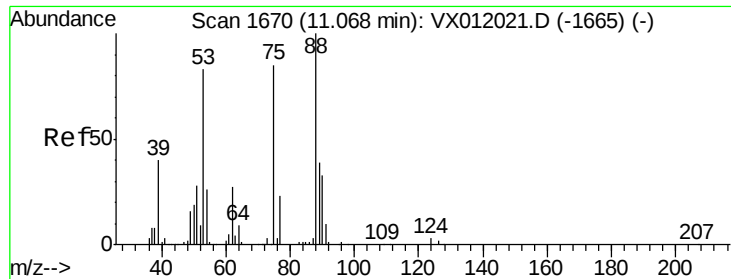
77 1.1 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

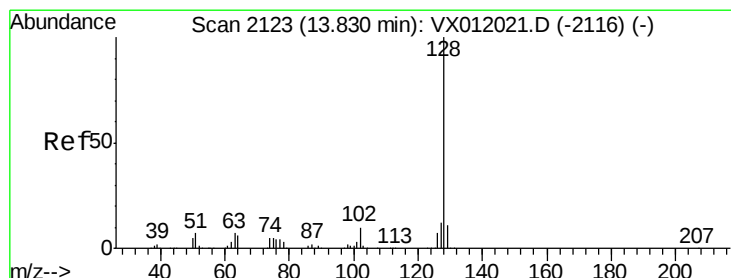
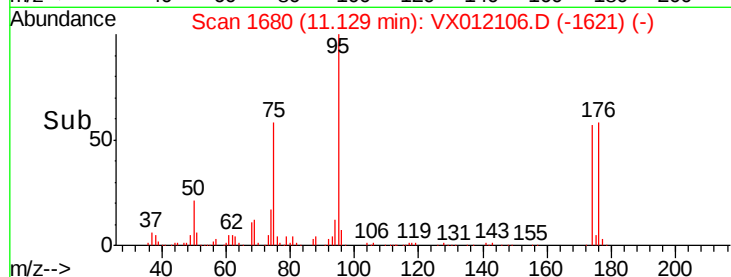
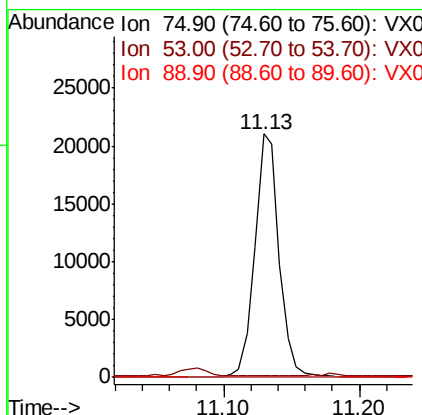
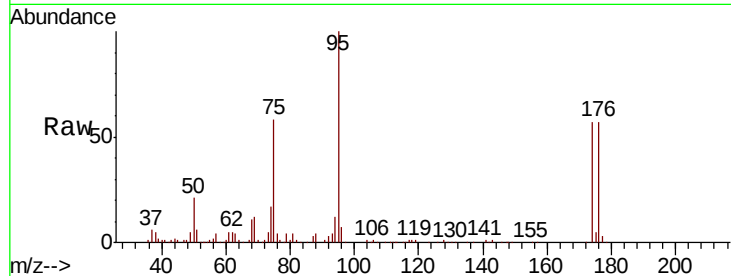




#81
trans-1,4-Dichloro-2-butene
Concen: 229.981 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)RE

Tgt Ion: 75 Resp: 26502
Ion Ratio Lower Upper
75 100
53 0.5 78.6 117.8#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 1.092 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012106.D
Acq: 05 Sep 2019 17:38

Tgt Ion: 128 Resp: 1111
Ion Ratio Lower Upper
128 100
127 19.0 10.5 15.7#
129 25.7 8.8 13.2#

