

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012332.D
 Acq On : 12 Sep 2019 06:02
 Operator : SY/SP
 Sample : K4694-16
 Misc : 4.72g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-3-(1.5)

Quant Time: Sep 12 07:27:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	276599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	110746	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.86%		
35) Dibromofluoromethane	5.48	113	81972	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.46%		
50) Toluene-d8	8.71	98	329128	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.84%		
62) 4-Bromofluorobenzene	11.14	95	123625	42.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.76%		

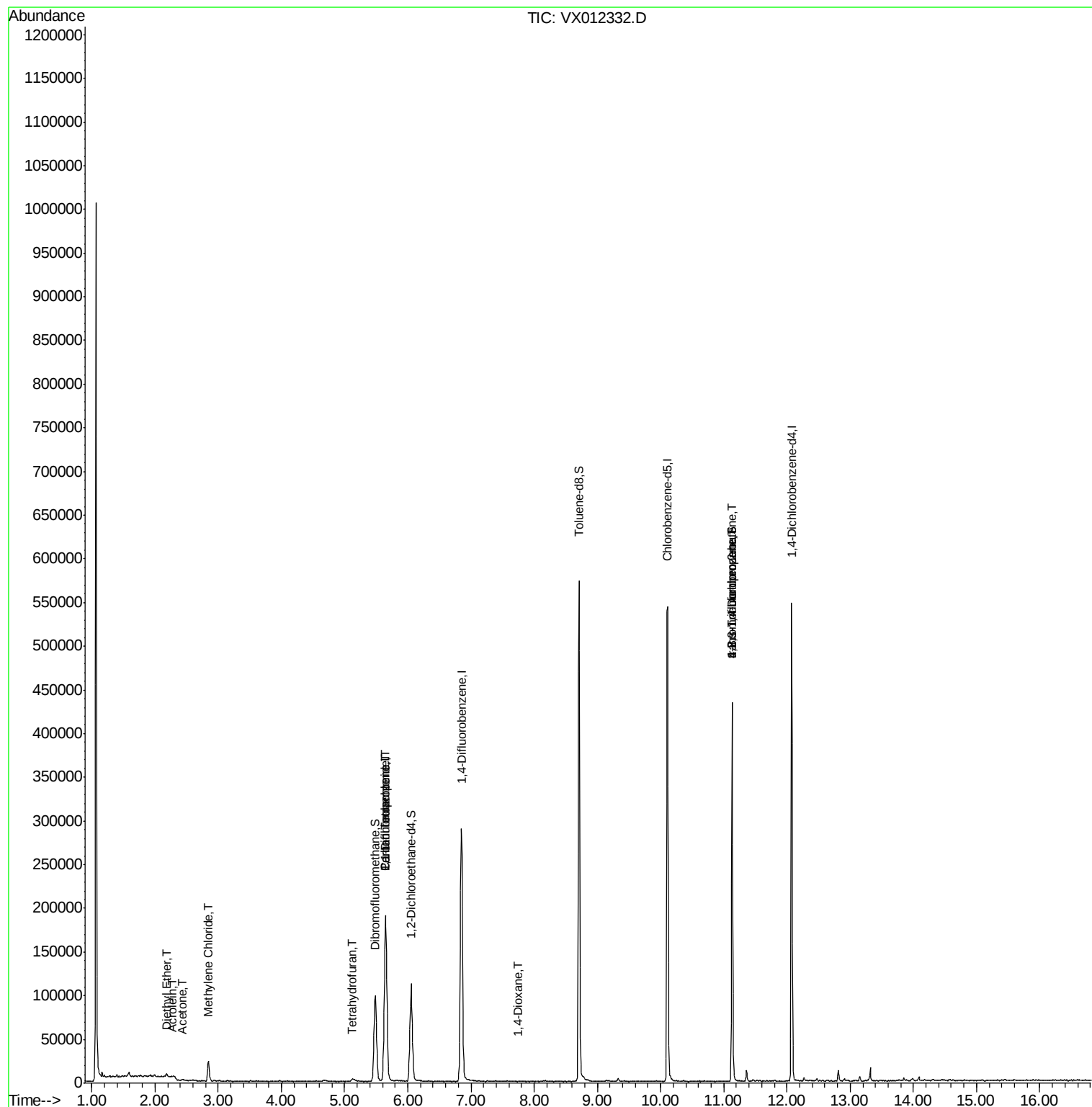
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	86	Below Cal	#	10
8) Diethyl Ether	2.18	74	1255	1.719	ug/l	94
11) Tert butyl alcohol	3.03	59	917	Below Cal	#	90
13) Acrolein	2.28	56	329	2.752	ug/l #	58
16) Acetone	2.44	43	1458	2.693	ug/l	94
20) Methylene Chloride	2.84	84	10568	3.824	ug/l	97
29) Tetrahydrofuran	5.12	42	3569	9.559	ug/l	92
36) 1,1-Dichloropropene	5.65	75	14382	7.131	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18508	7.821	ug/l #	14
49) 1,4-Dioxane	7.74	88	40	2.356	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65042	49.481	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	65042	148.257	ug/l #	6

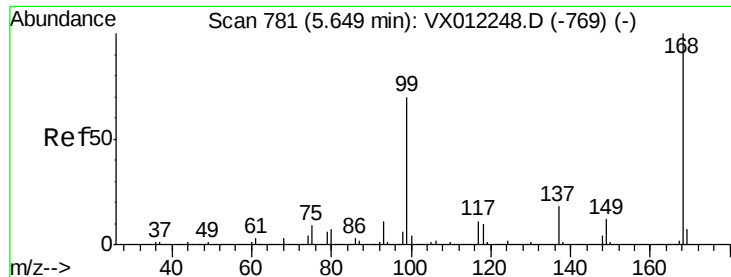
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

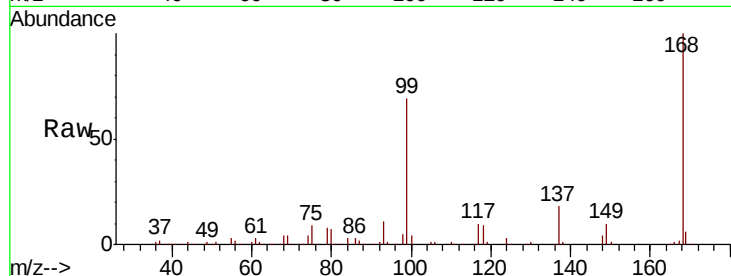
T2-3-(1.5)

Tgt Ion: 168 Resp: 161746

Ion Ratio Lower Upper

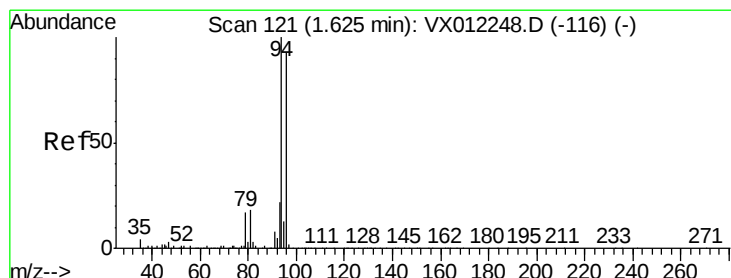
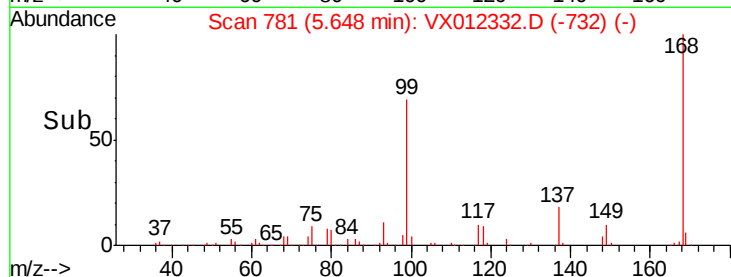
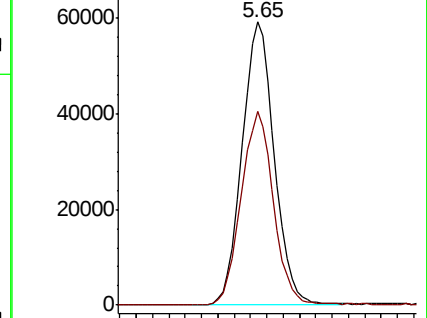
168 100

99 68.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX012332.D

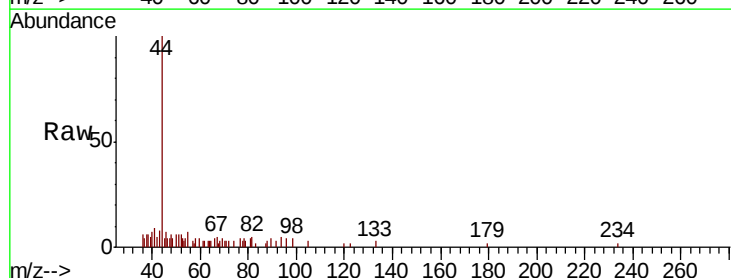
Acq: 12 Sep 2019 06:02

Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

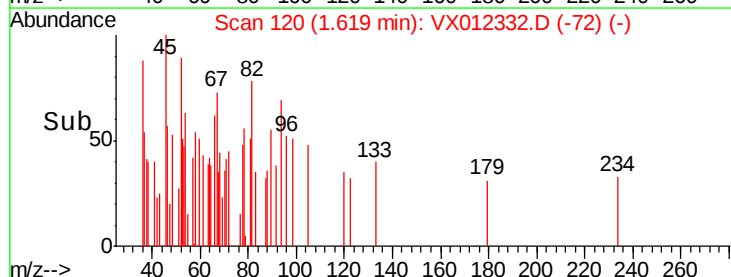
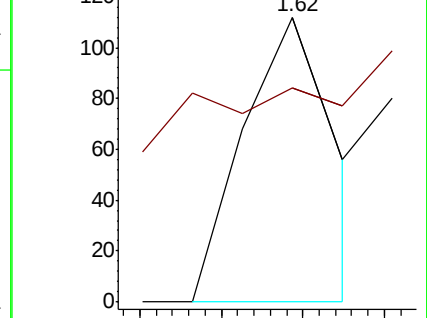
94 100

96 6.3 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.719 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampled :

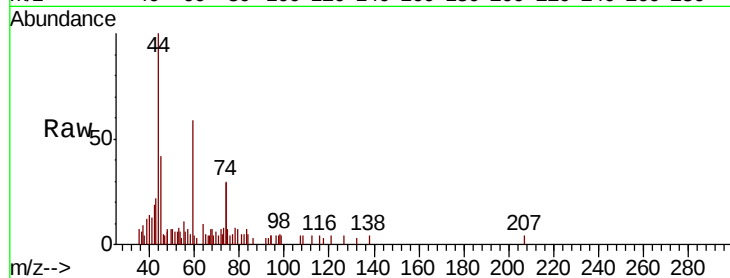
T2-3-(1.5)

Tgt Ion: 74 Resp: 1255

Ion Ratio Lower Upper

74 100

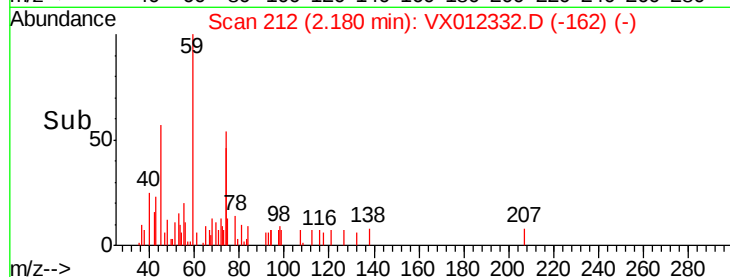
45 96.3 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

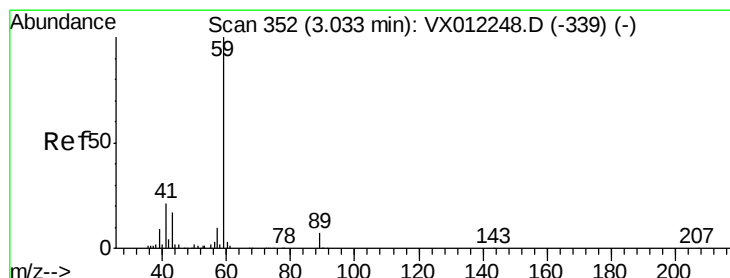
Time-->



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012332.D

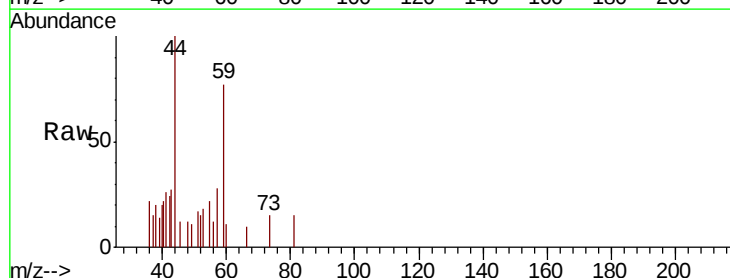
Acq: 12 Sep 2019 06:02

Tgt Ion: 59 Resp: 917

Ion Ratio Lower Upper

59 100

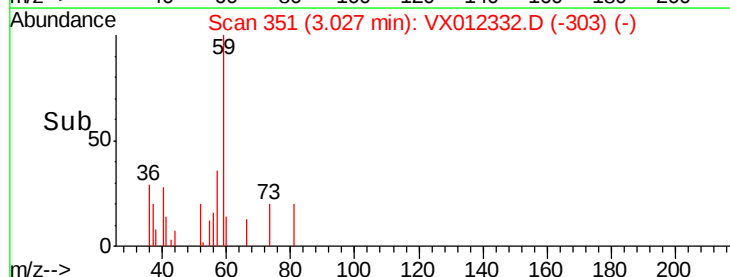
57 13.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

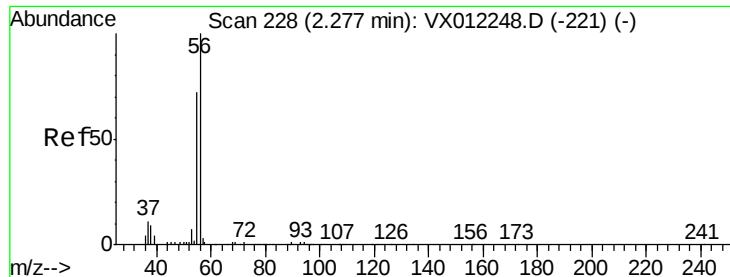
Time-->



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Time-->



#13

Acrolein

Concen: 2.752 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

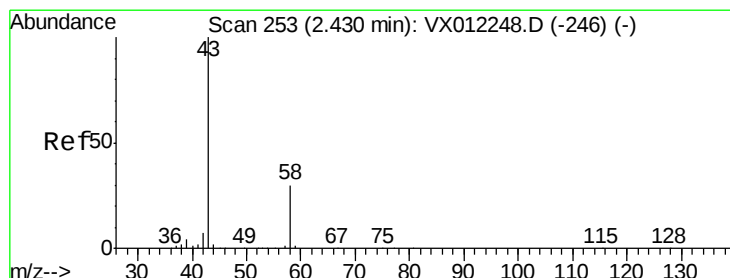
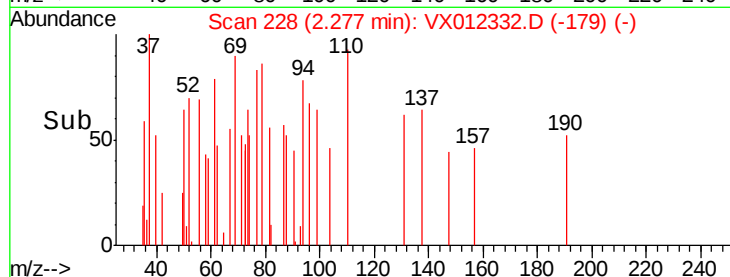
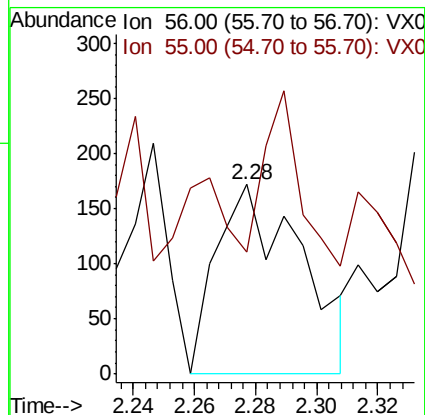
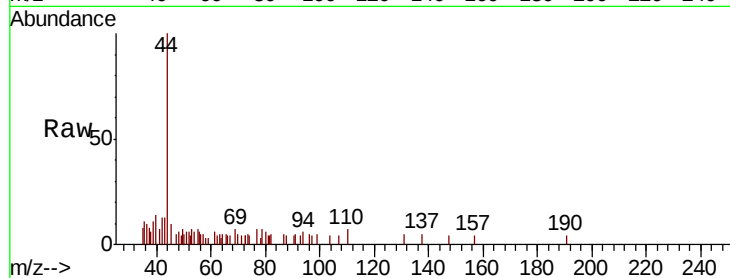
T2-3-(1.5)

Tgt Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 38.6 59.8 89.6#



#16

Acetone

Concen: 2.693 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012332.D

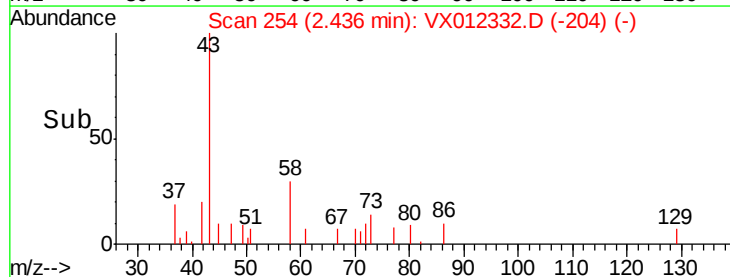
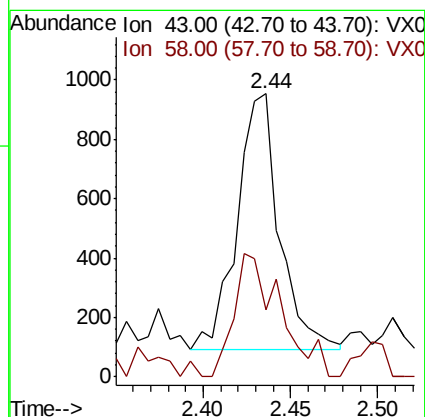
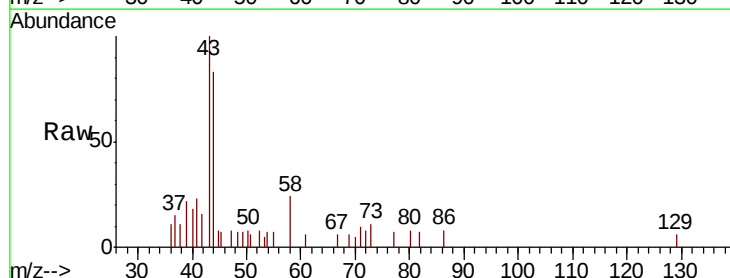
Acq: 12 Sep 2019 06:02

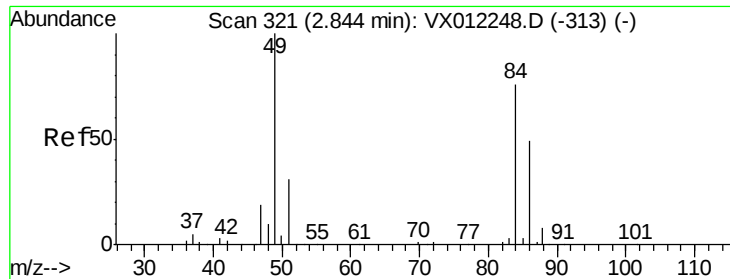
Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

58 26.2 23.6 35.4

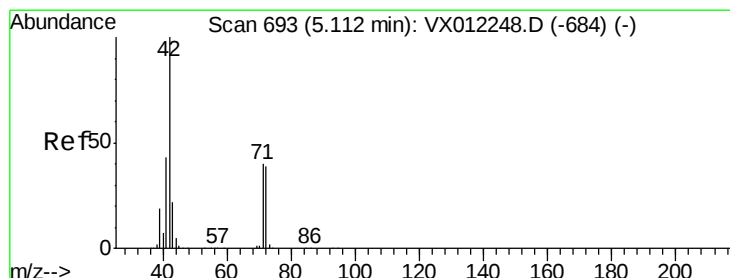
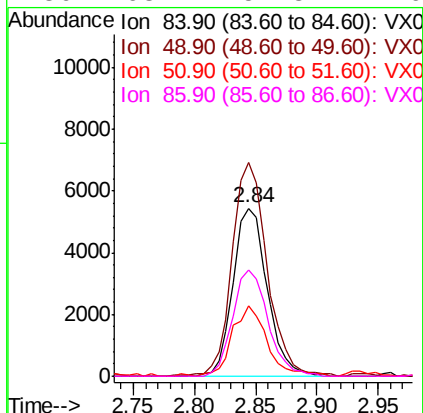
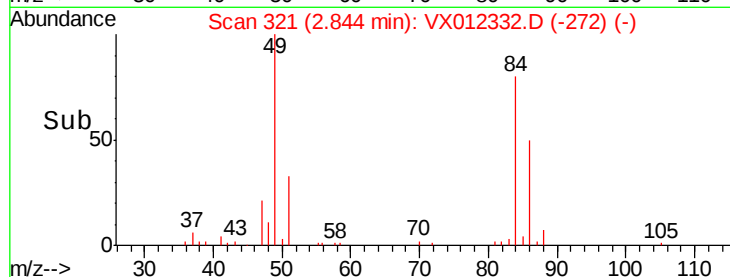
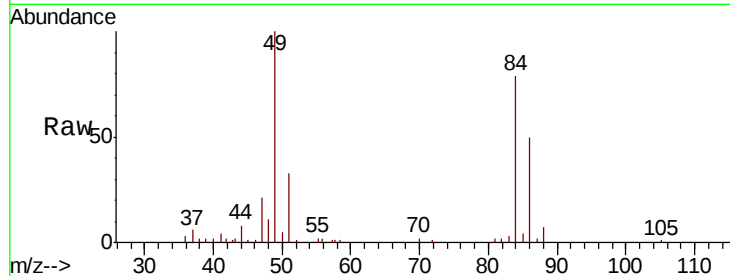




#20
Methylene Chloride
Concen: 3.824 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012332.D
Acq: 12 Sep 2019 06:02

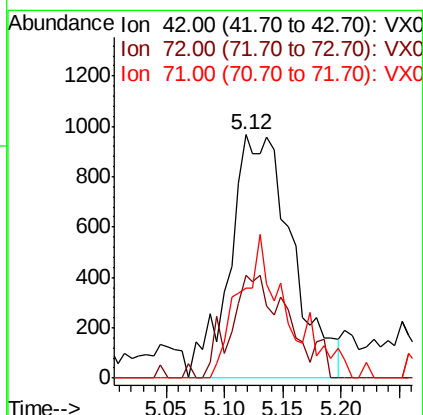
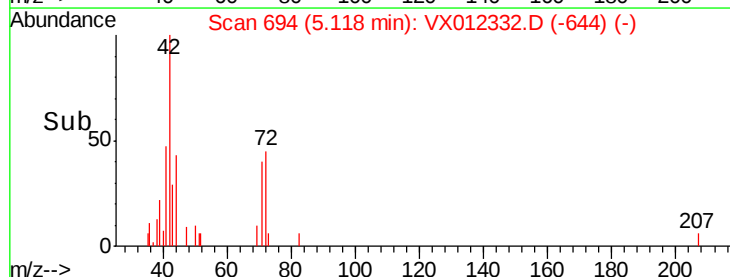
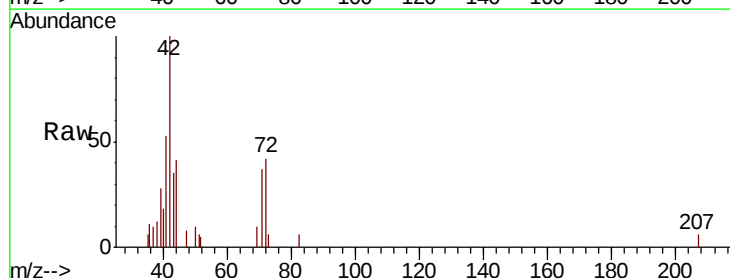
Instrument :
MSVOA_X
ClientSampled :
T2-3-(1.5)

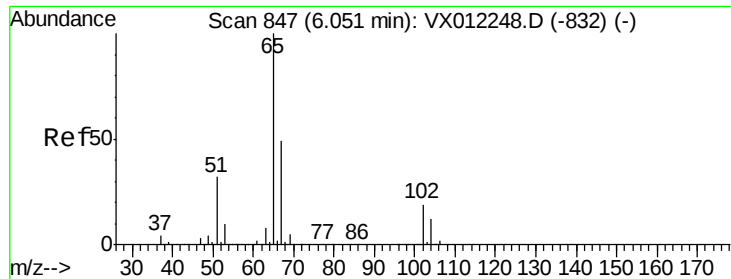
Tgt Ion: 84 Resp: 10568
Ion Ratio Lower Upper
84 100
49 125.9 105.0 157.6
51 41.5 32.6 48.8
86 63.1 51.8 77.6



#29
Tetrahydrofuran
Concen: 9.559 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012332.D
Acq: 12 Sep 2019 06:02

Tgt Ion: 42 Resp: 3569
Ion Ratio Lower Upper
42 100
72 36.7 35.2 52.8
71 38.0 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 48.429 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

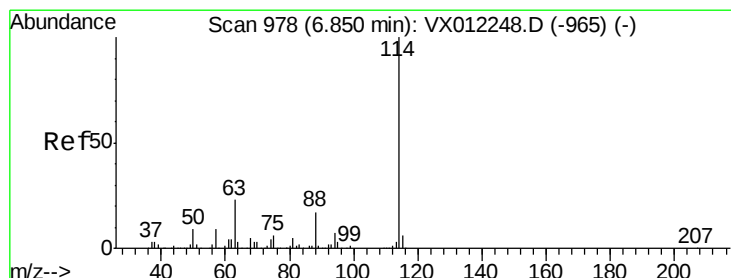
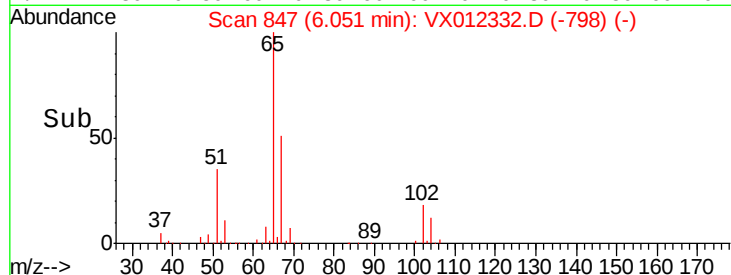
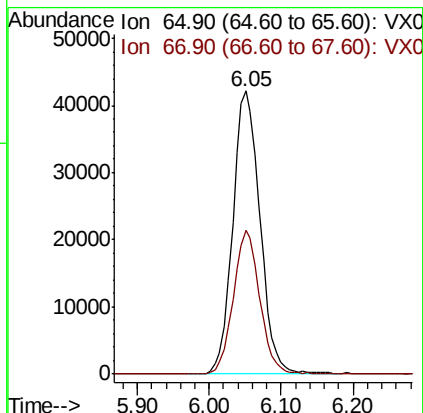
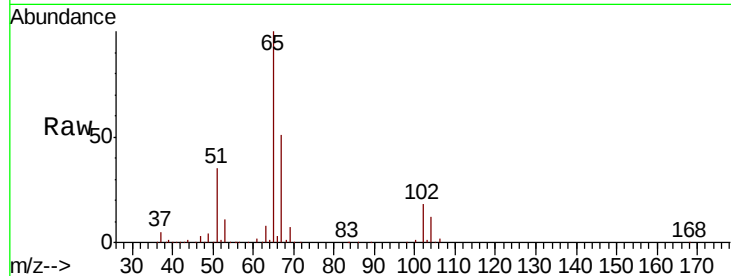
T2-3-(1.5)

Tgt Ion: 65 Resp: 110746

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

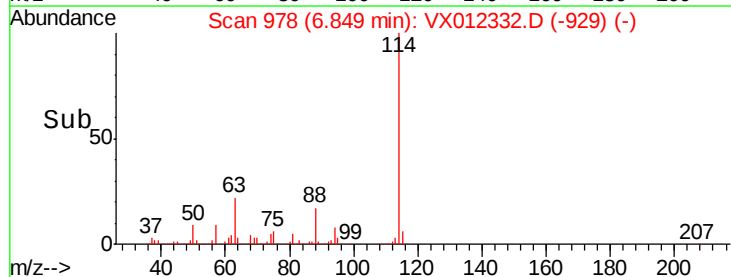
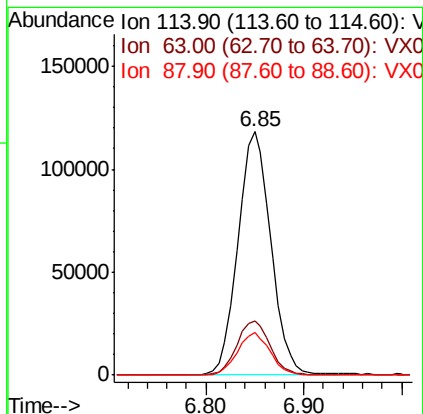
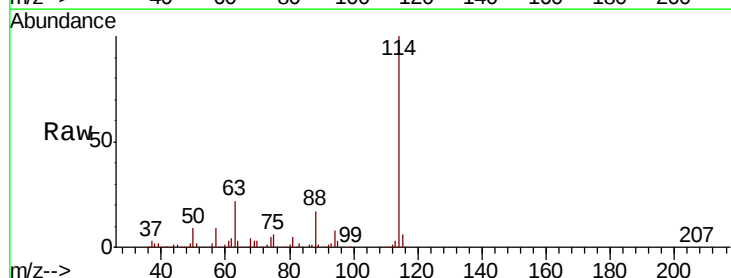
Tgt Ion: 114 Resp: 276599

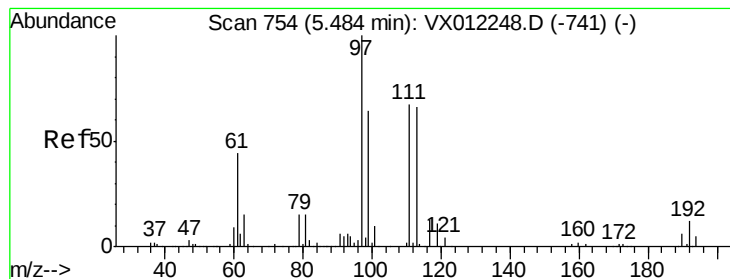
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 17.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.230 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

T2-3-(1.5)

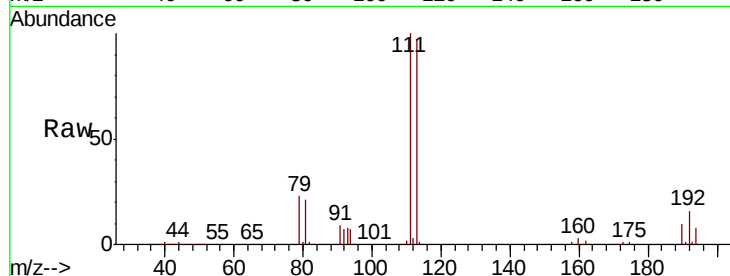
Tgt Ion:113 Resp: 81972

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.6

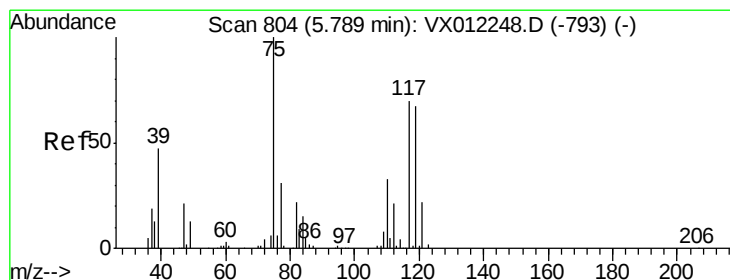
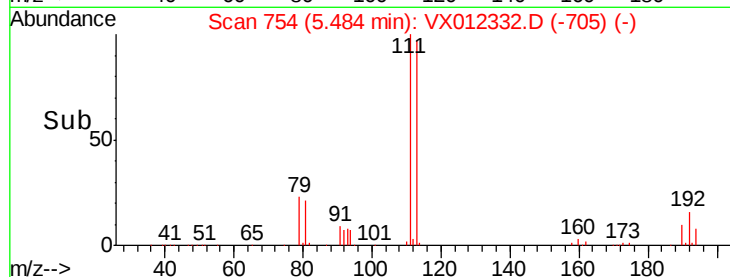
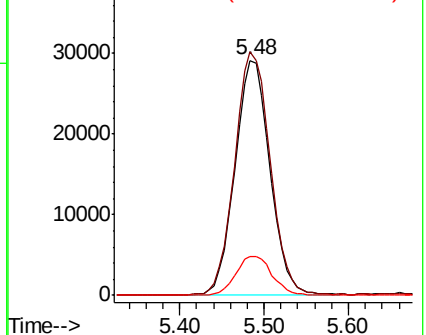
192 17.2 14.3 21.5



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: 7.131 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

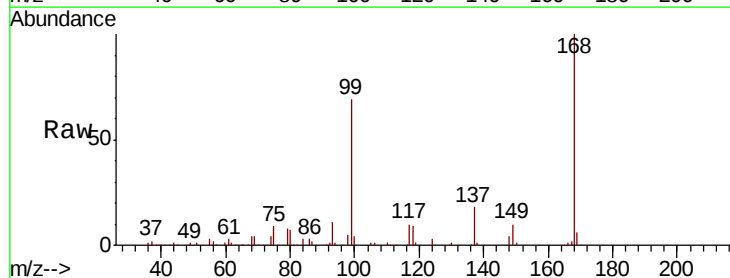
Tgt Ion: 75 Resp: 14382

Ion Ratio Lower Upper

75 100

110 10.3 16.8 50.4#

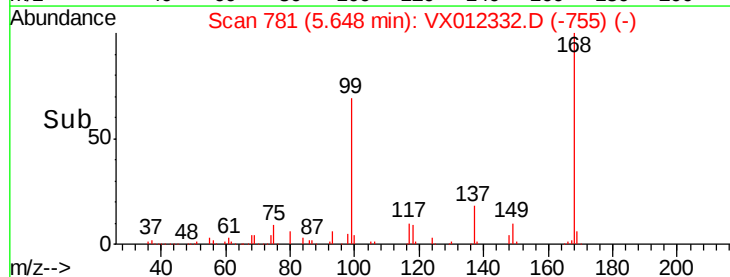
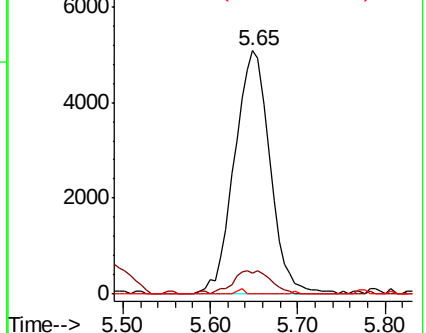
77 0.5 24.5 36.7#

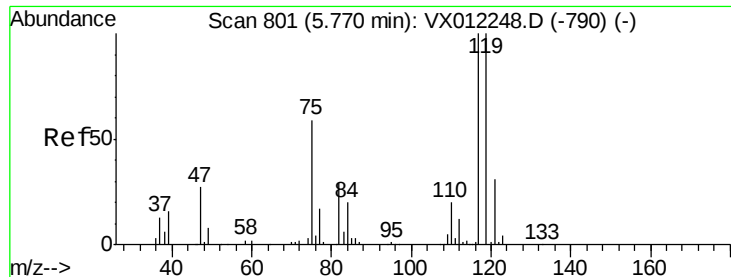


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

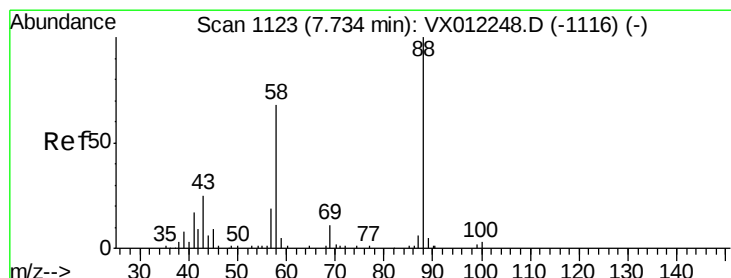
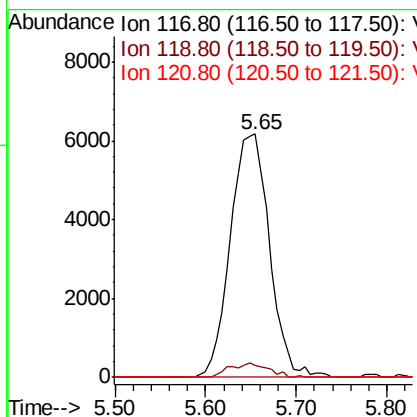
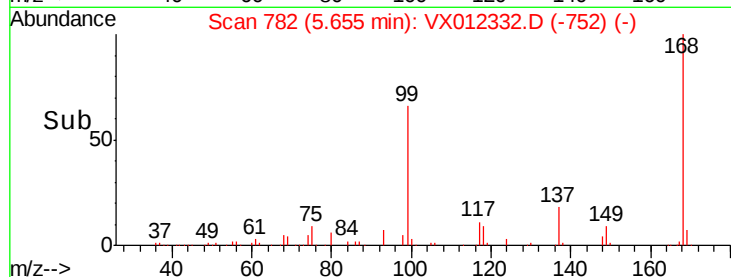
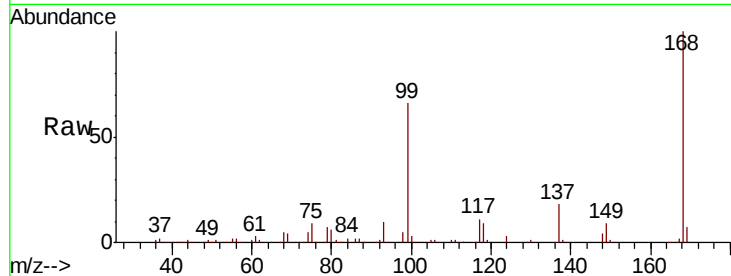




#38
 Carbon Tetrachloride
 Concen: 7.821 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012332.D
 Acq: 12 Sep 2019 06:02

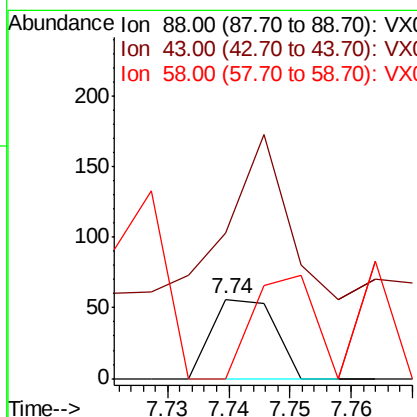
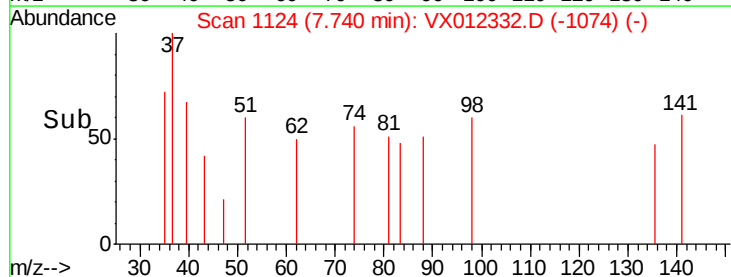
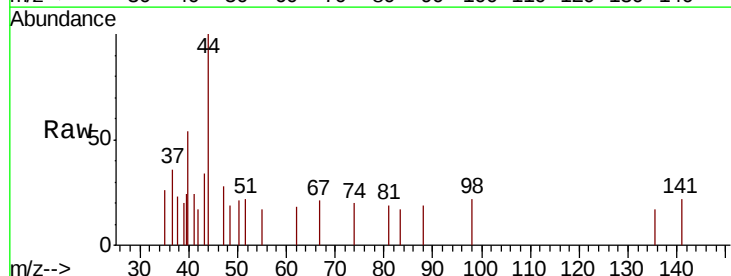
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-3-(1.5)

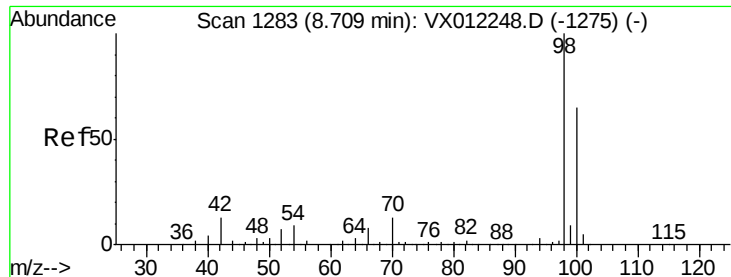
Tgt Ion: 117 Resp: 18508
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.6 119.4#
 121 0.0 24.7 37.1#



#49
 1,4-Dioxane
 Concen: 2.356 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX012332.D
 Acq: 12 Sep 2019 06:02

Tgt Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 442.5 31.0 46.4#
 58 127.5 61.5 92.3#

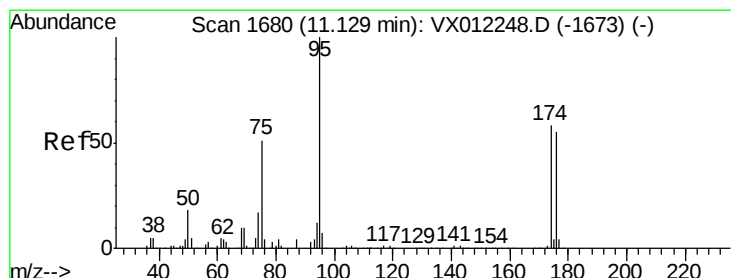
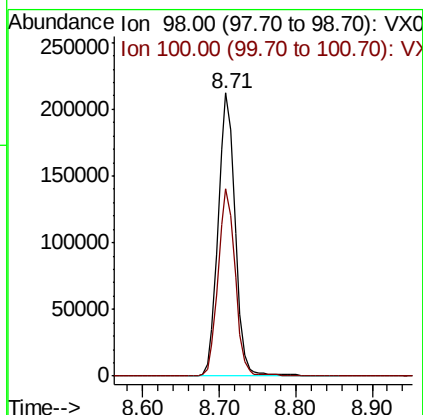
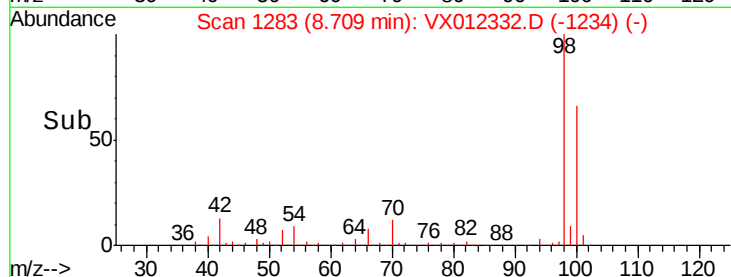
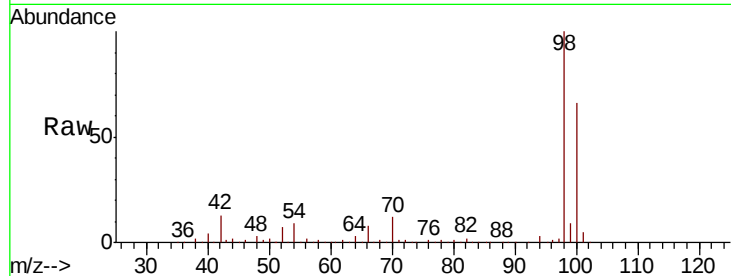




#50
Toluene-d8
Concen: 52.923 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012332.D
Acq: 12 Sep 2019 06:02

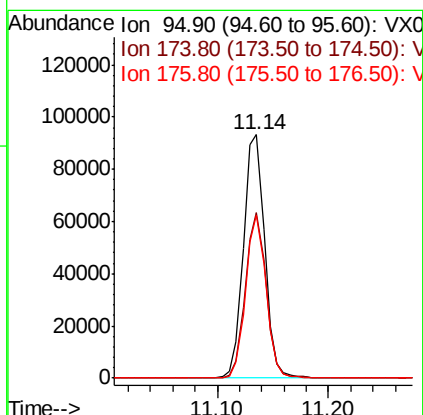
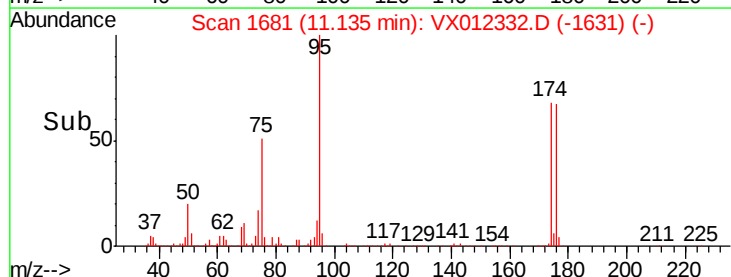
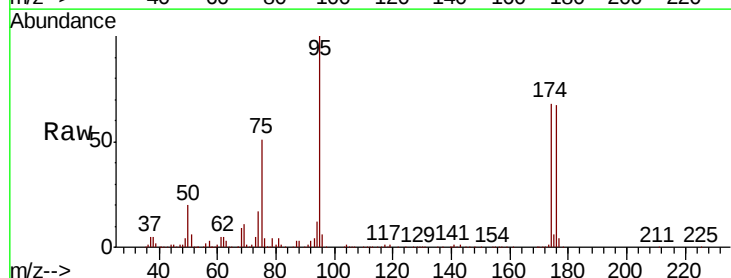
Instrument :
MSVOA_X
ClientSampleId :
T2-3-(1.5)

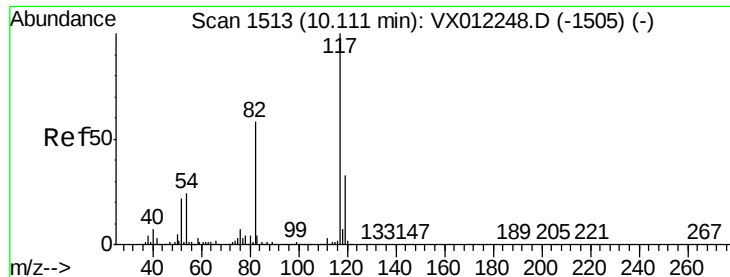
Tgt Ion: 98 Resp: 329128
Ion Ratio Lower Upper
98 100
100 66.5 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 42.879 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012332.D
Acq: 12 Sep 2019 06:02

Tgt Ion: 95 Resp: 123625
Ion Ratio Lower Upper
95 100
174 66.5 0.0 127.0
176 64.2 0.0 125.8

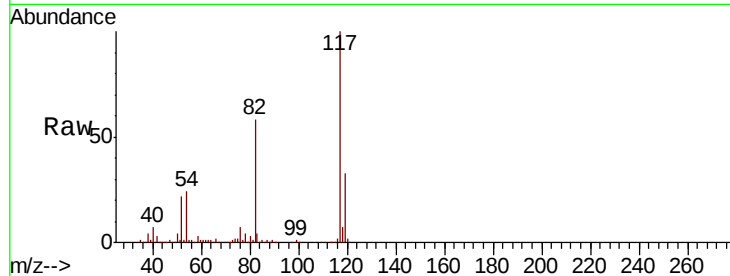




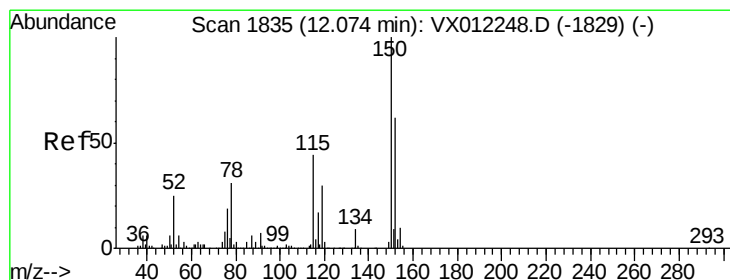
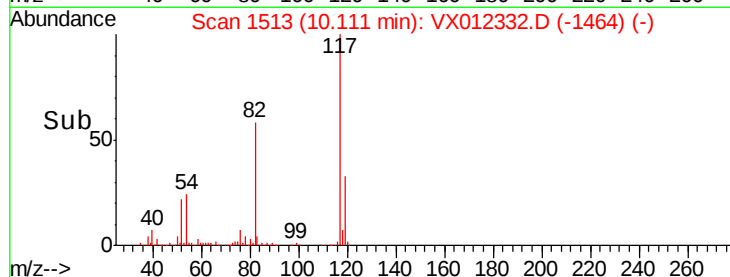
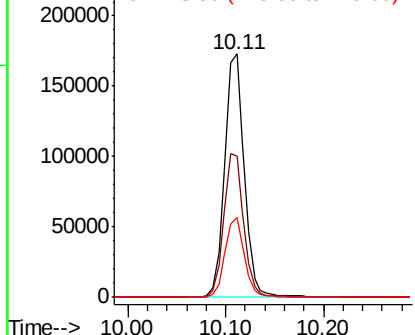
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012332.D
Acq: 12 Sep 2019 06:02

Instrument :
MSVOA_X
ClientSampleId :
T2-3-(1.5)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.4	69.6
119	32.5	26.6	39.8

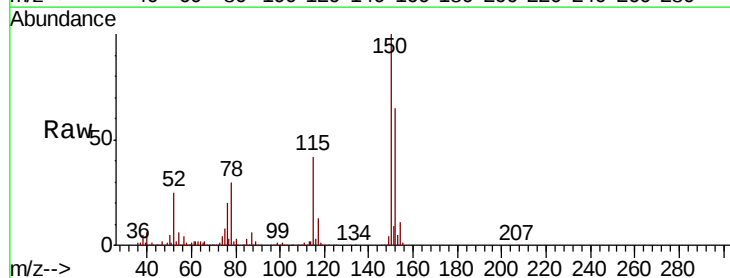


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

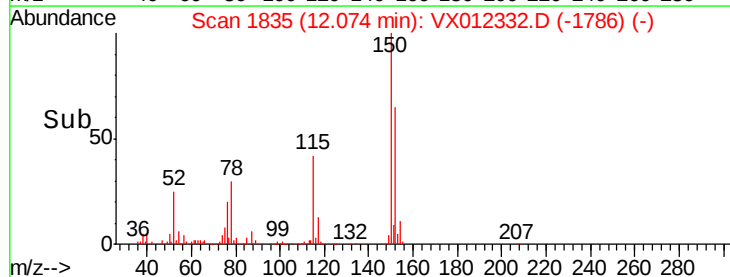
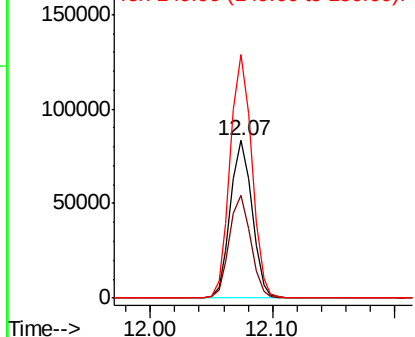


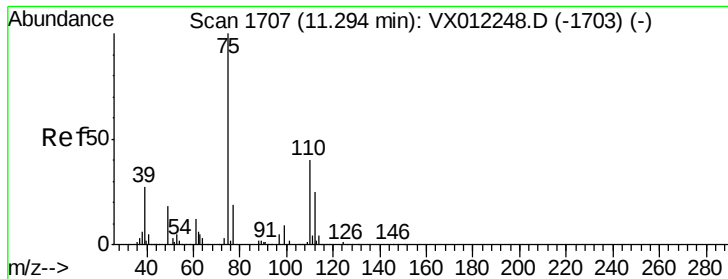
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012332.D
Acq: 12 Sep 2019 06:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	45.5	136.4
150	153.7	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

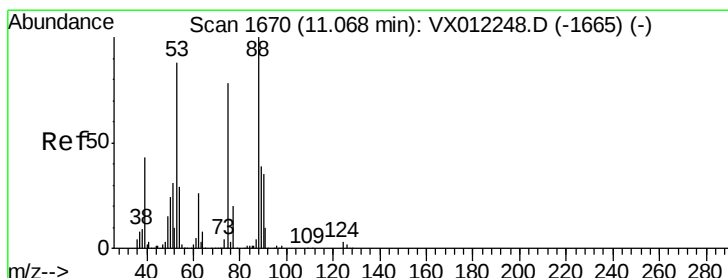
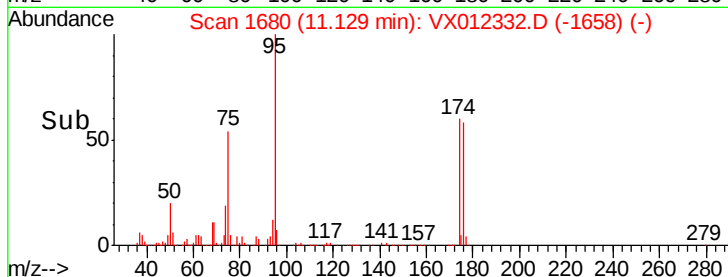
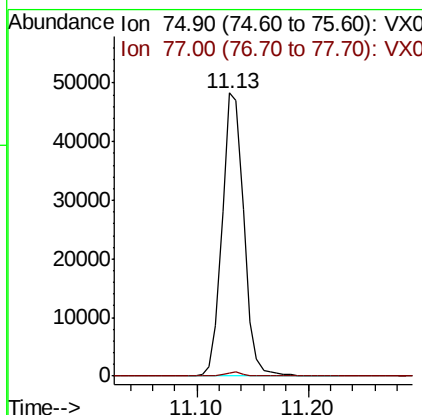
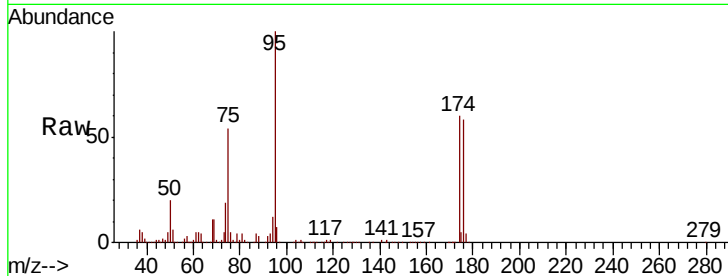




#76
 1,2,3-Trichloropropane
 Concen: 49.481 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012332.D
 Acq: 12 Sep 2019 06:02

Instrument :
 MSVOA_X
 ClientSampled :
 T2-3-(1.5)

Tgt Ion: 75 Resp: 65042
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.257 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012332.D
 Acq: 12 Sep 2019 06:02

Tgt Ion: 75 Resp: 65042
 Ion Ratio Lower Upper
 75 100
 53 0.7 88.1 132.1#
 89 0.0 43.5 65.3#

