

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012327.D
 Acq On : 12 Sep 2019 03:42
 Operator : SY/SP
 Sample : K4694-11
 Misc : 5.62g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-1-(0)

Quant Time: Sep 12 05:45:29 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	171390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86889	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	117198	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
35) Dibromofluoromethane	5.48	113	88698	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.71	98	345434	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	118189	38.31	ug/l	0.00
Spiked Amount			Recovery	=	76.62%	

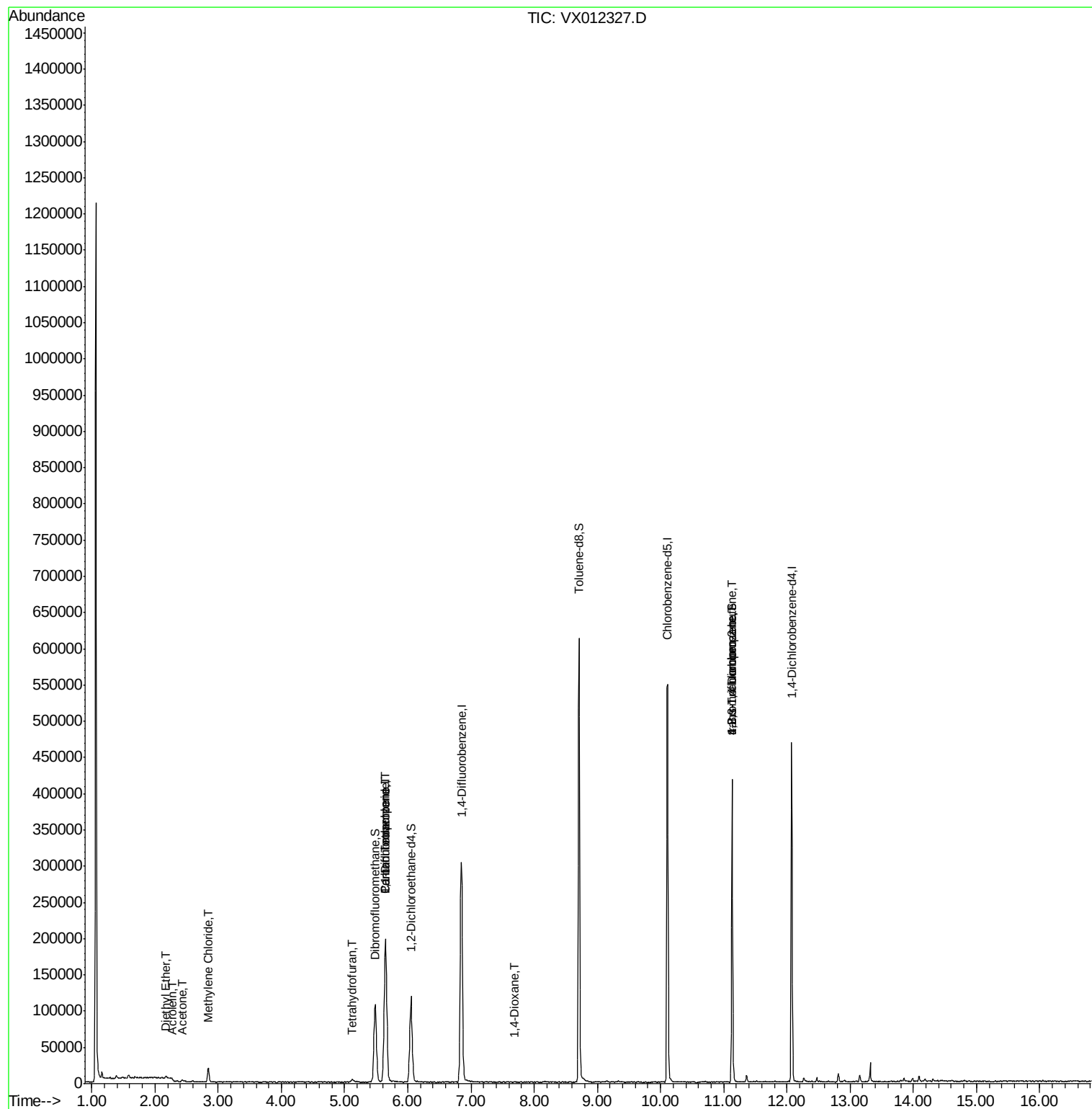
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	211	Below Cal		98
8) Diethyl Ether	2.17	74	1124	1.453	ug/l	90
11) Tert butyl alcohol	3.03	59	465	Below Cal	#	68
13) Acrolein	2.28	56	163	1.287	ug/l #	12
16) Acetone	2.43	43	2138	3.727	ug/l #	87
20) Methylene Chloride	2.84	84	8738	2.373	ug/l	93
29) Tetrahydrofuran	5.12	42	4122	10.418	ug/l	97
36) 1,1-Dichloropropene	5.64	75	15552	7.207	ug/l #	53
38) Carbon Tetrachloride	5.64	117	19911	7.865	ug/l #	15
49) 1,4-Dioxane	7.69	88	22	1.211	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	62330	55.840	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62330	167.310	ug/l #	5

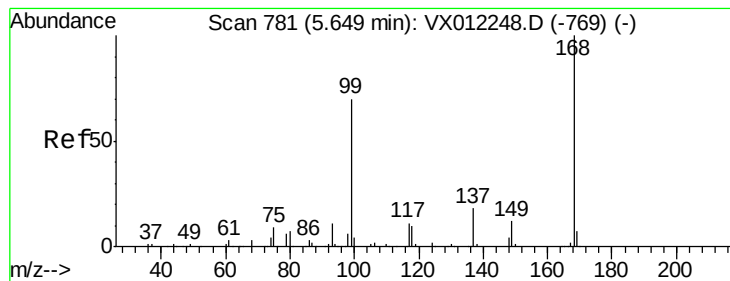
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012327.D

Acq: 12 Sep 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

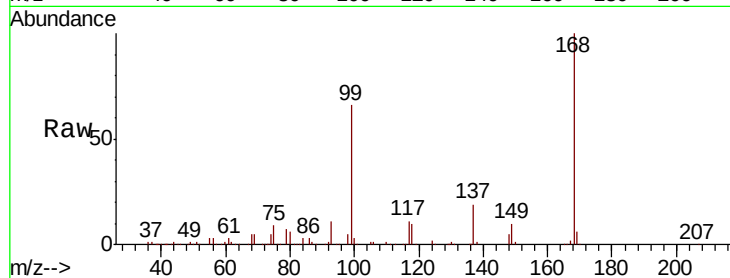
T2-1-(0)

Tgt Ion:168 Resp: 171390

Ion Ratio Lower Upper

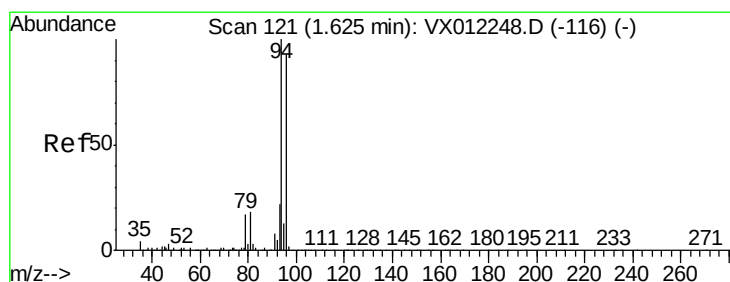
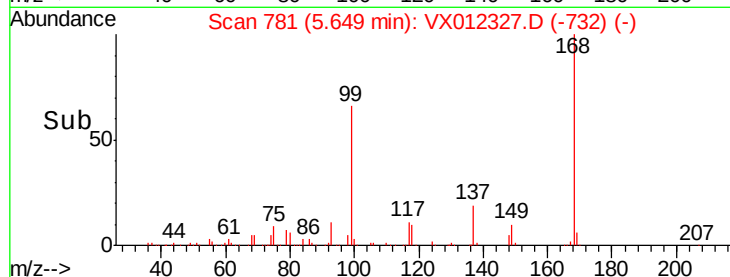
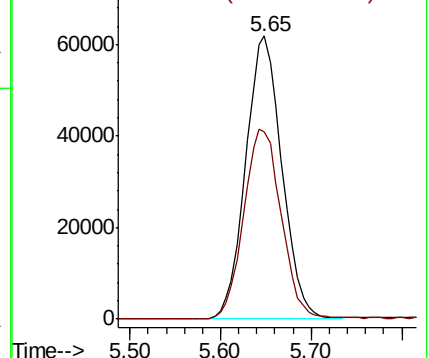
168 100

99 66.3 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: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012327.D

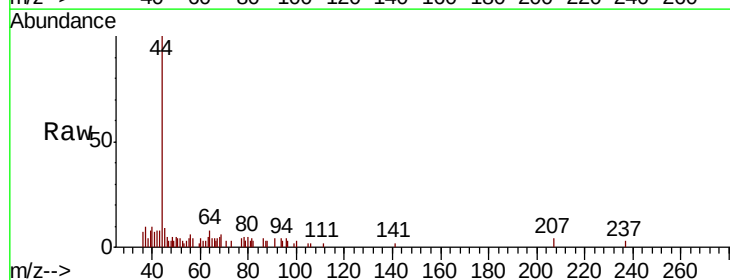
Acq: 12 Sep 2019 03:42

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

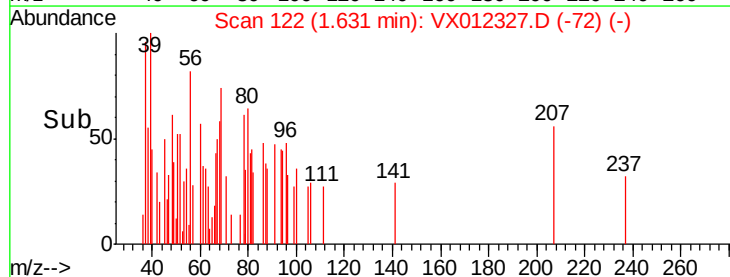
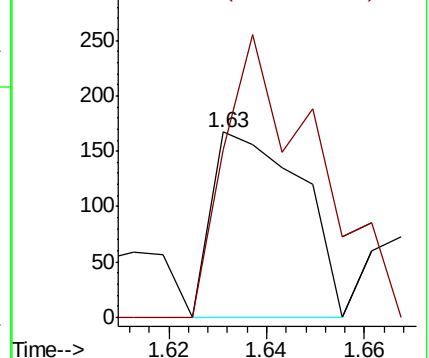
94 100

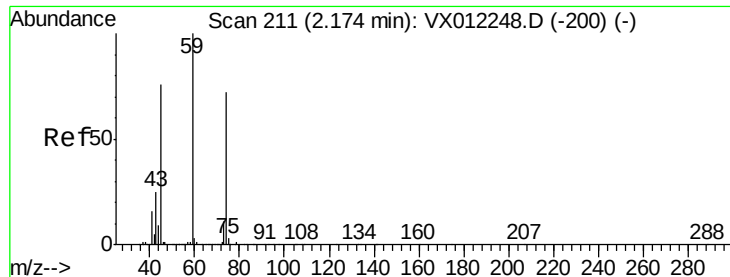
96 90.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.453 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012327.D

Acq: 12 Sep 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

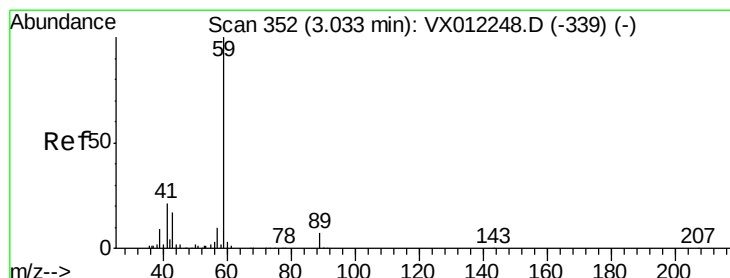
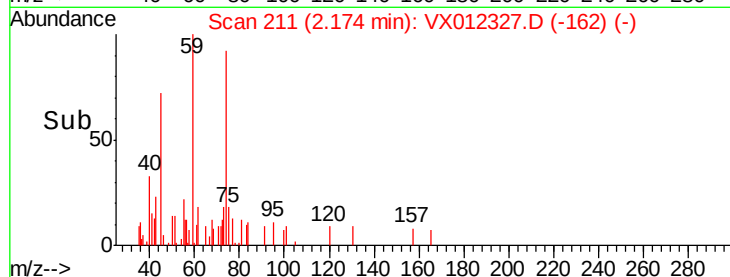
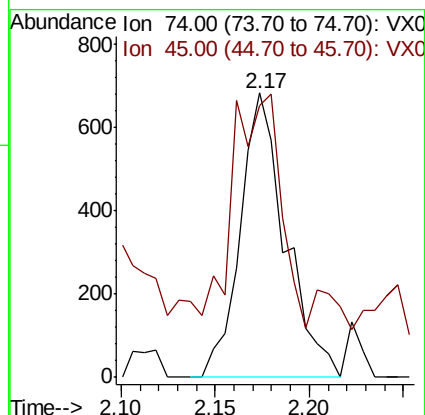
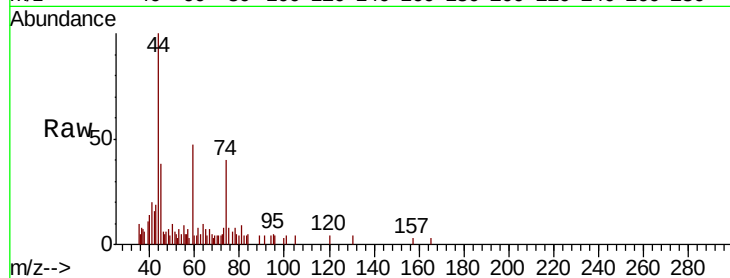
T2-1-(0)

Tgt Ion: 74 Resp: 1124

Ion Ratio Lower Upper

74 100

45 92.4 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012327.D

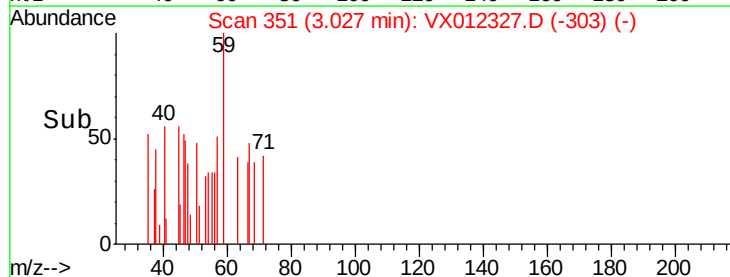
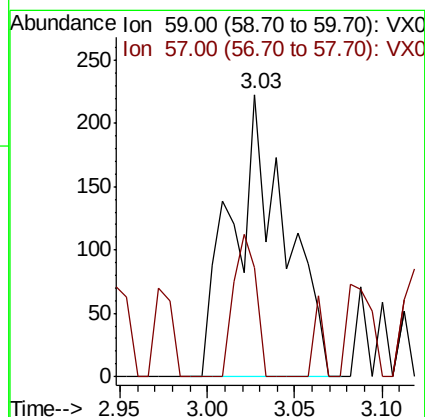
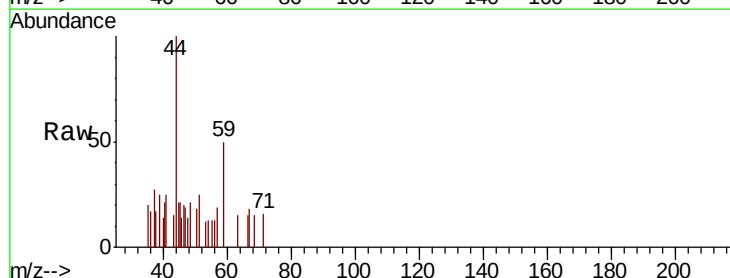
Acq: 12 Sep 2019 03:42

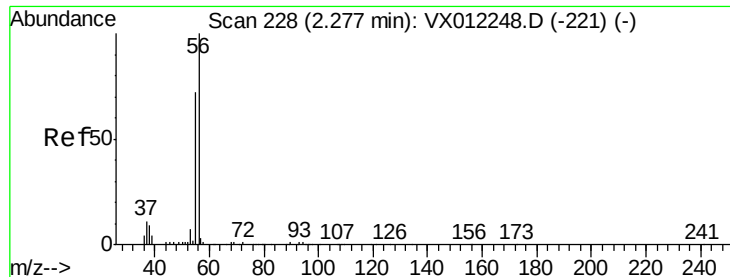
Tgt Ion: 59 Resp: 465

Ion Ratio Lower Upper

59 100

57 21.5 7.8 11.6#





#13

Acrolein

Concen: 1.287 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012327.D

Acq: 12 Sep 2019 03:42

Instrument :

MSVOA_X

ClientSampled :

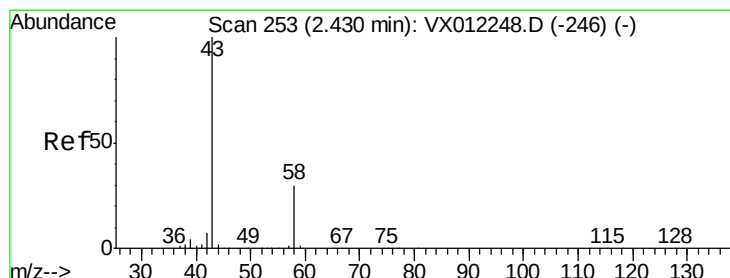
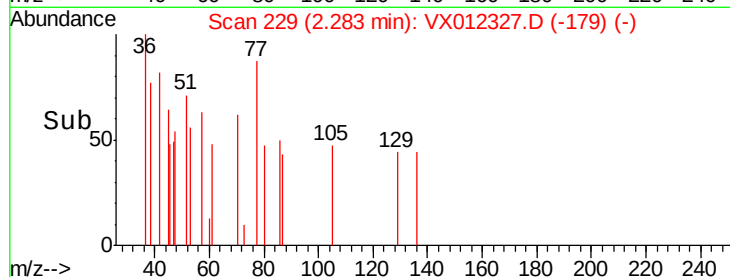
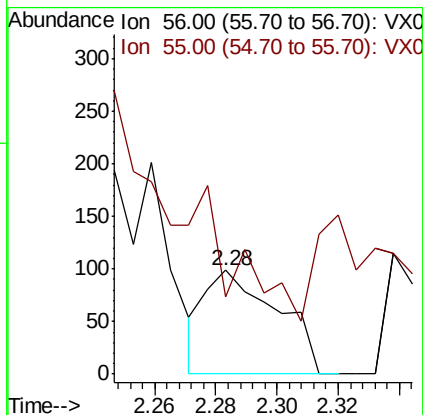
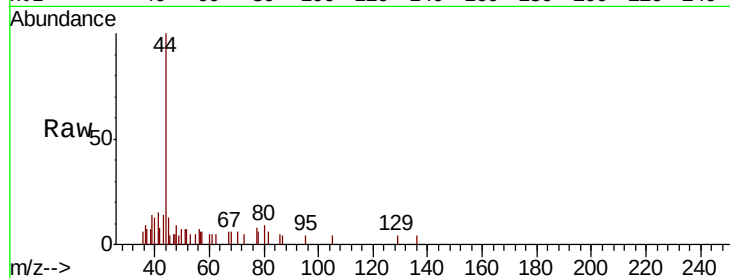
T2-1-(0)

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.6#



#16

Acetone

Concen: 3.727 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012327.D

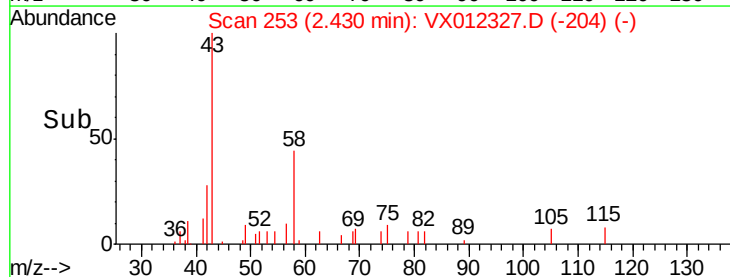
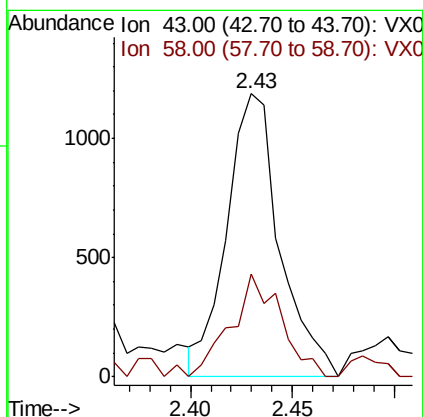
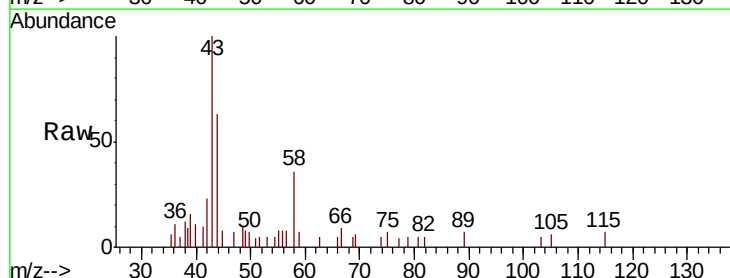
Acq: 12 Sep 2019 03:42

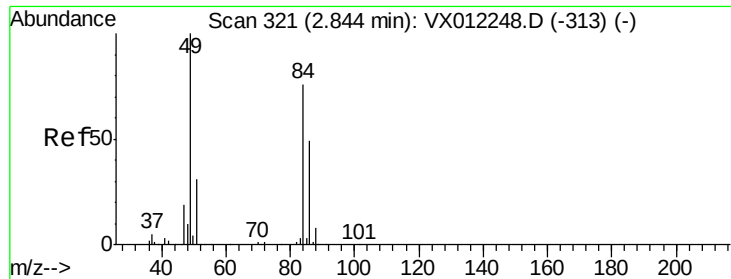
Tgt Ion: 43 Resp: 2138

Ion Ratio Lower Upper

43 100

58 36.3 23.6 35.4#

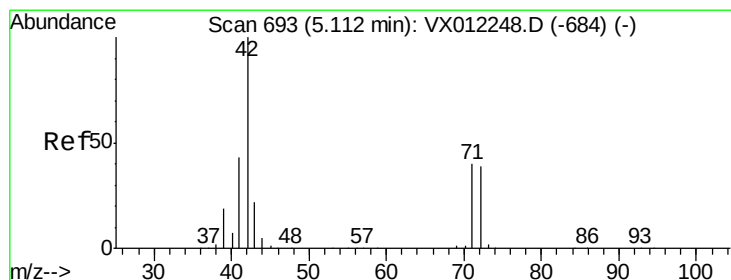
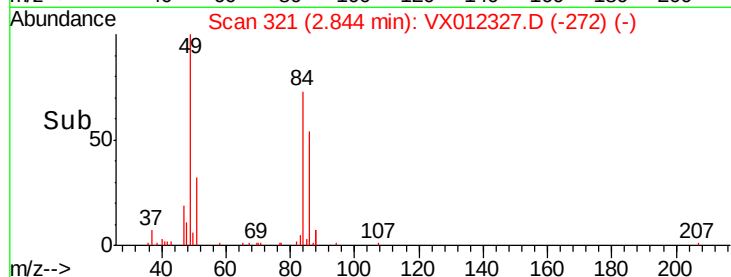
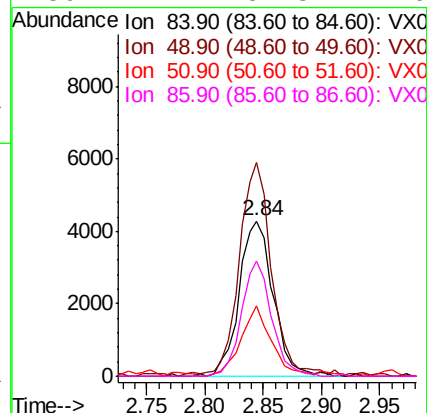
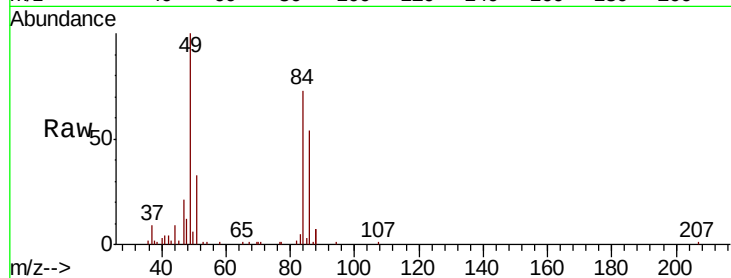




#20
Methylene Chloride
Concen: 2.373 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

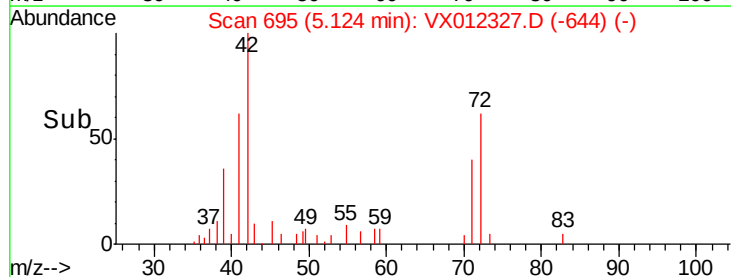
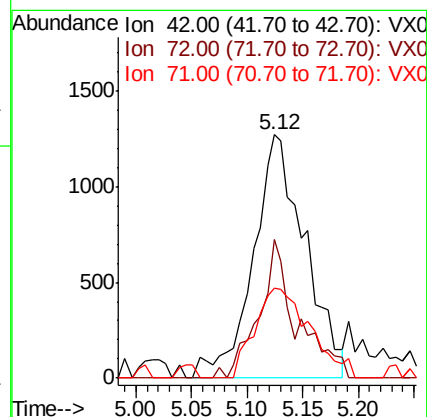
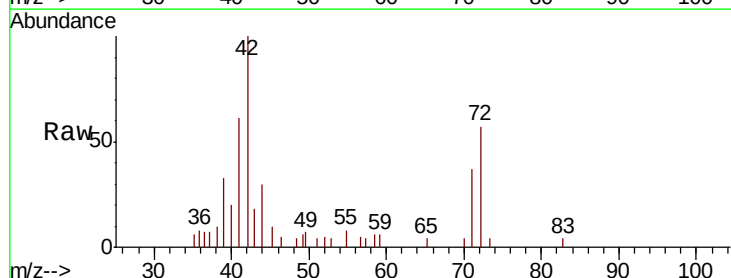
Instrument :
MSVOA_X
ClientSampleId :
T2-1-(0)

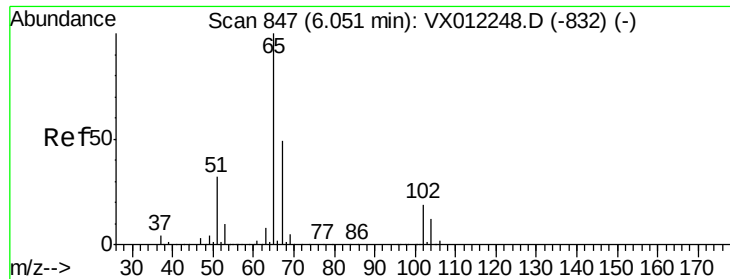
Tgt Ion:	84	Resp:	8738
Ion	Ratio	Lower	Upper
84	100		
49	137.8	105.0	157.6
51	44.2	32.6	48.8
86	74.4	51.8	77.6



#29
Tetrahydrofuran
Concen: 10.418 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

Tgt Ion:	42	Resp:	4122
Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.2	52.8
71	39.2	32.5	48.7

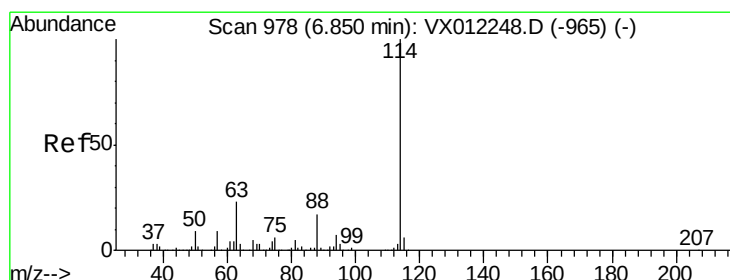
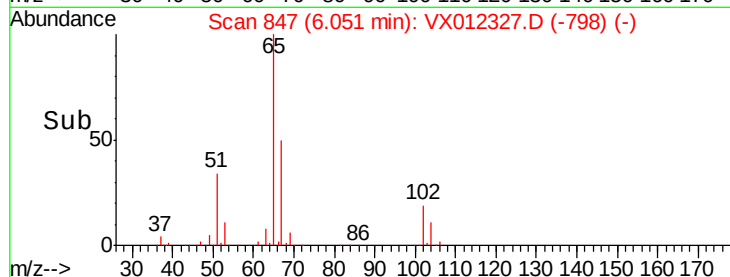
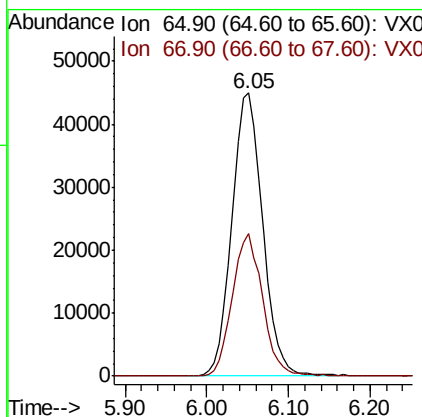
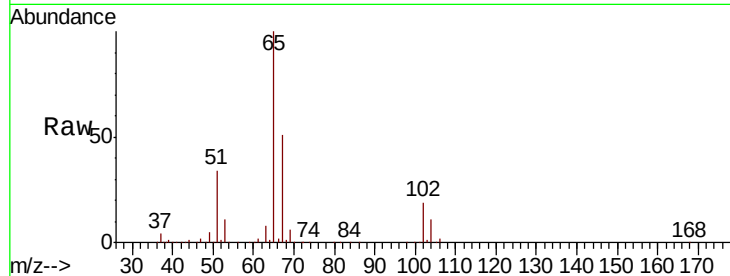




#33
 1,2-Dichloroethane-d4
 Concen: 48.367 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012327.D
 Acq: 12 Sep 2019 03:42

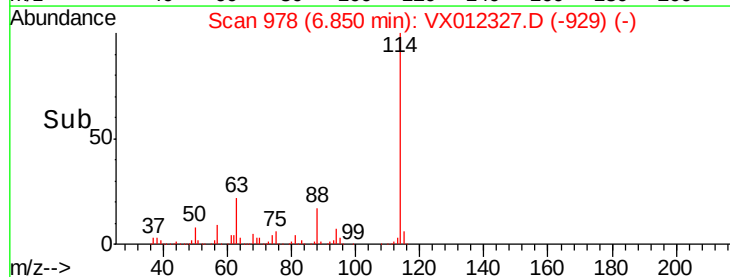
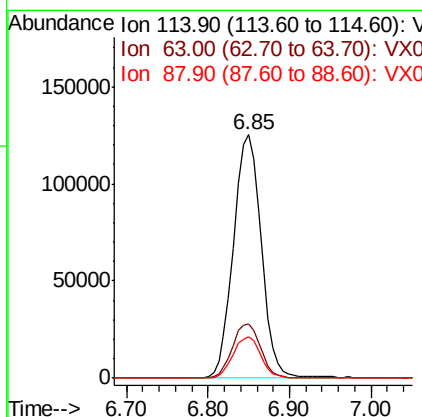
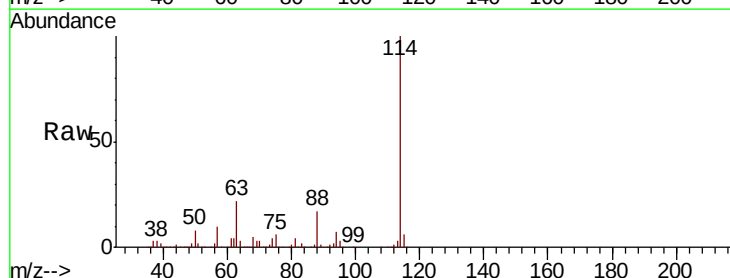
Instrument :
 MSVOA_X
 ClientSampled :
 T2-1-(0)

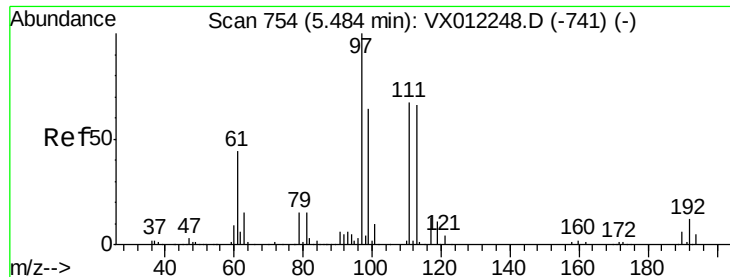
Tgt Ion: 65 Resp: 117198
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012327.D
 Acq: 12 Sep 2019 03:42

Tgt Ion: 114 Resp: 295937
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 17.2 0.0 34.8

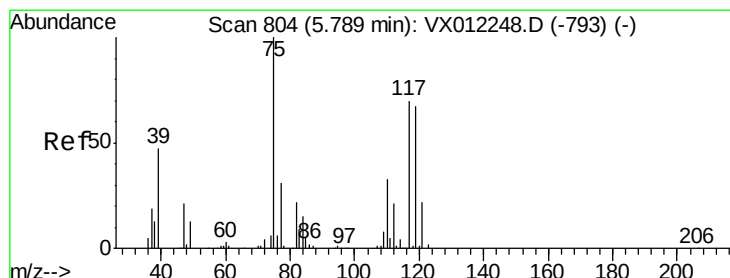
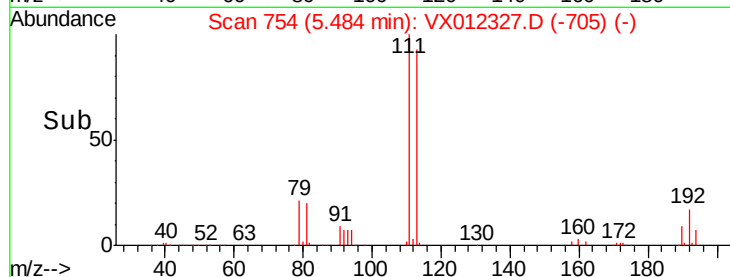
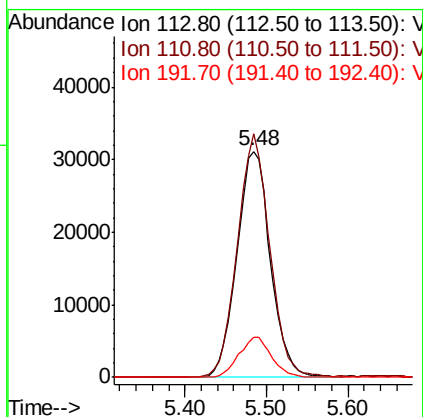
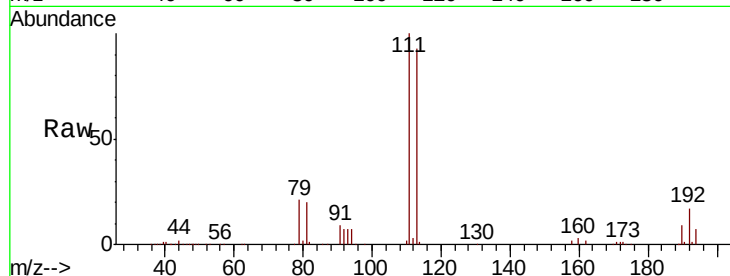




#35
 Dibromofluoromethane
 Concen: 46.755 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012327.D
 Acq: 12 Sep 2019 03:42

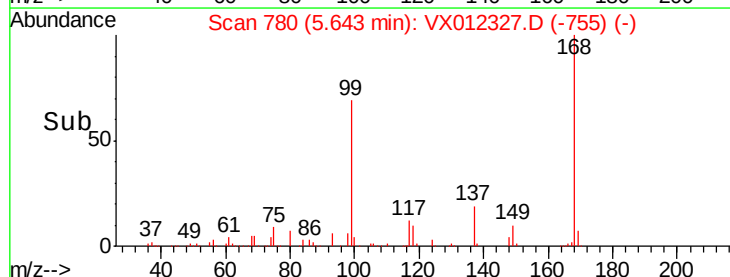
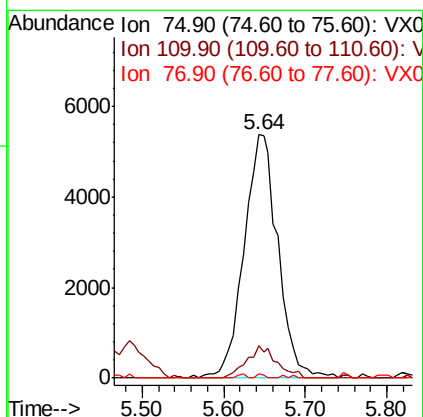
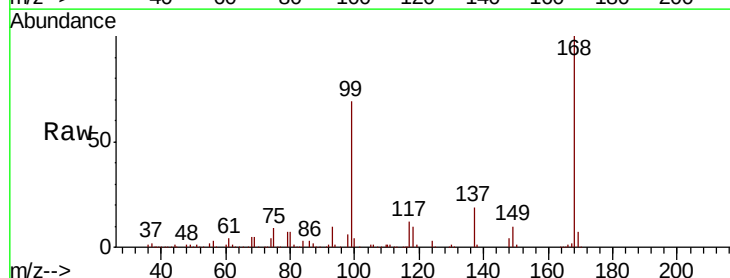
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-1-(0)

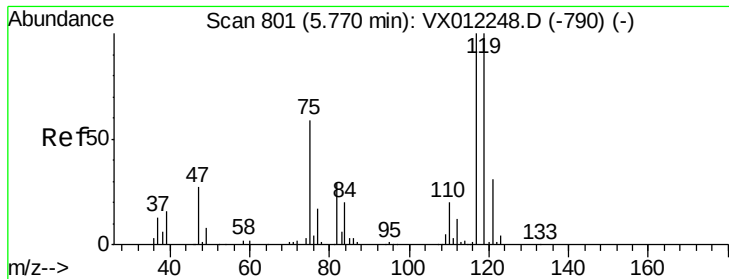
Tgt Ion:113 Resp: 88698
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 17.4 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 7.207 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012327.D
 Acq: 12 Sep 2019 03:42

Tgt Ion: 75 Resp: 15552
 Ion Ratio Lower Upper
 75 100
 110 11.6 16.8 50.4#
 77 0.3 24.5 36.7#

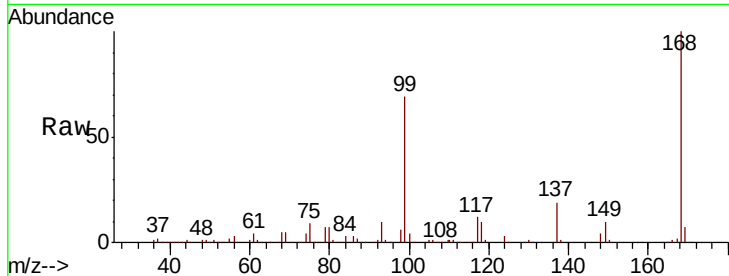




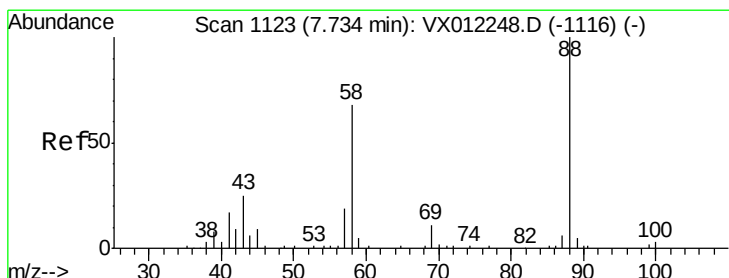
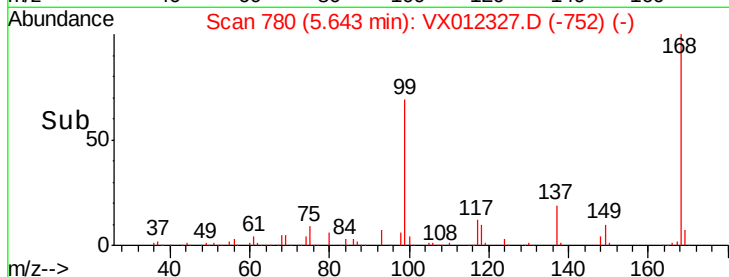
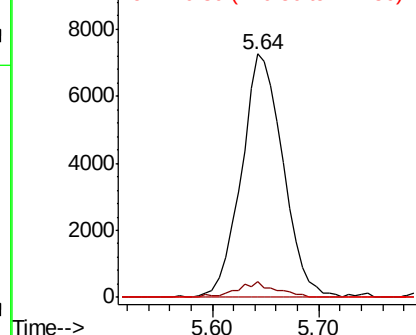
#38
Carbon Tetrachloride
Concen: 7.865 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

Instrument :
MSVOA_X
ClientSampleId :
T2-1-(0)

Tgt Ion: 117 Resp: 19911
Ion Ratio Lower Upper
117 100
119 6.3 79.6 119.4#
121 0.0 24.7 37.1#

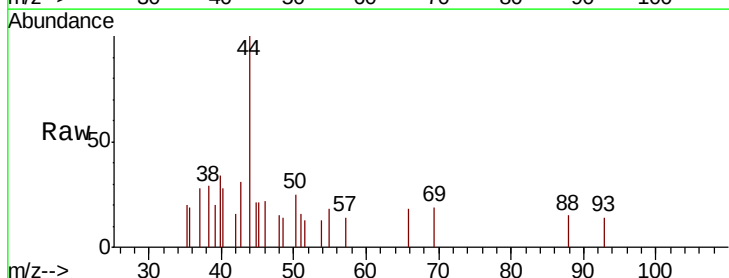


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

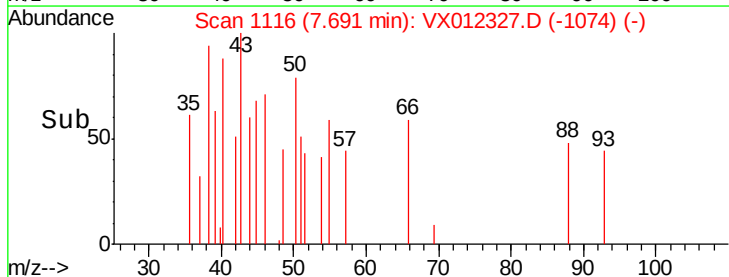
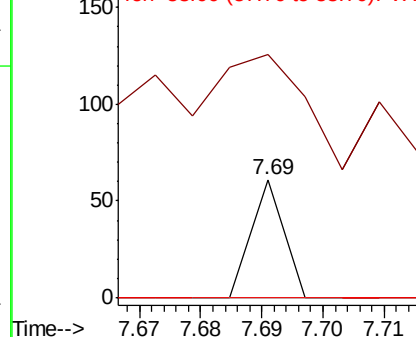


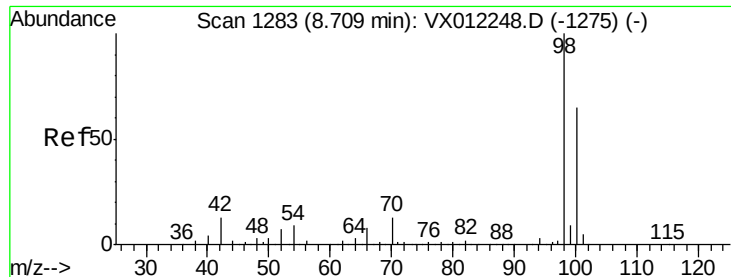
#49
1,4-Dioxane
Concen: 1.211 ug/l
RT: 7.69 min Scan# 1116
Delta R.T. -0.04 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 568.2 31.0 46.4#
58 0.0 61.5 92.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

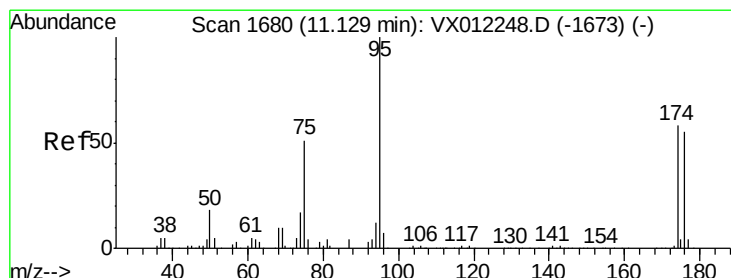
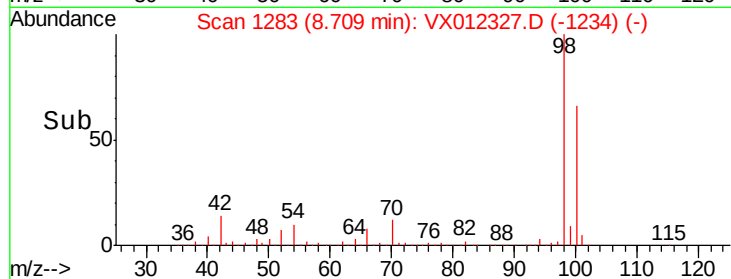
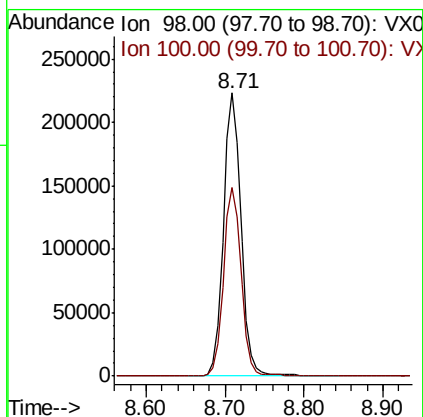
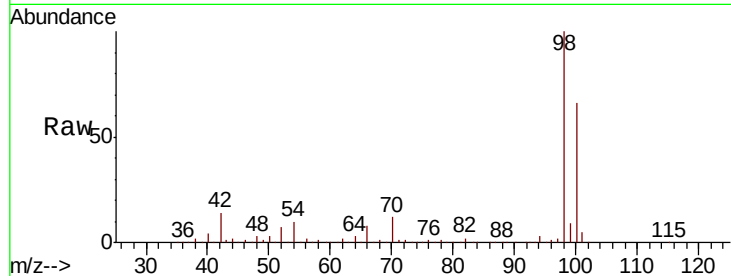




#50
Toluene-d8
Concen: 51.916 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

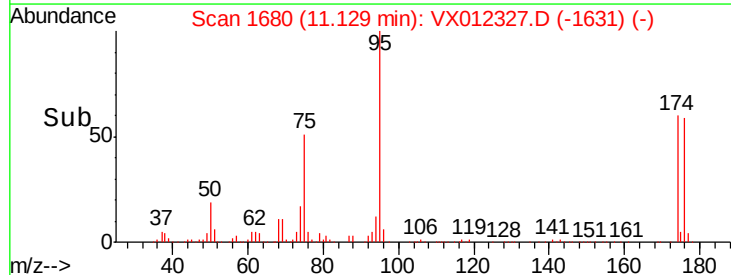
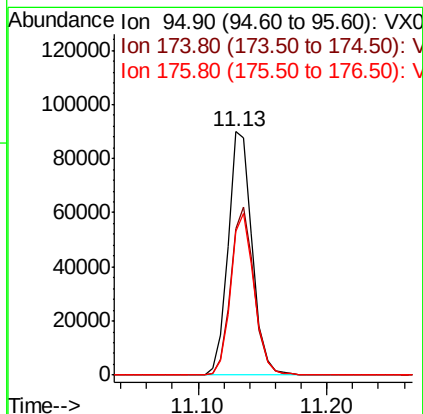
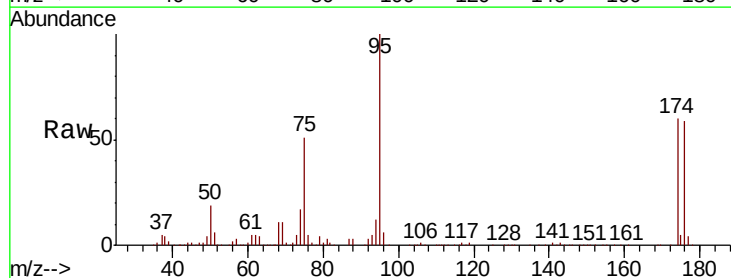
Instrument :
MSVOA_X
ClientSampleId :
T2-1-(0)

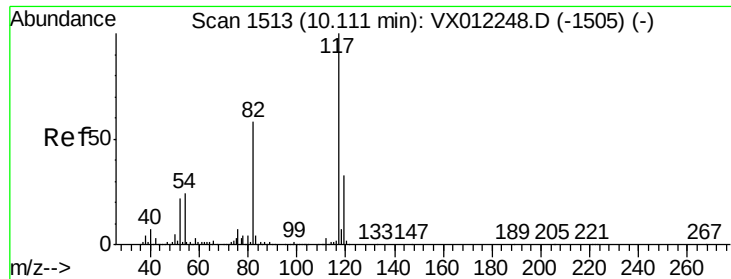
Tgt Ion: 98 Resp: 345434
Ion Ratio Lower Upper
98 100
100 67.1 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 38.315 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

Tgt Ion: 95 Resp: 118189
Ion Ratio Lower Upper
95 100
174 66.9 0.0 127.0
176 64.5 0.0 125.8

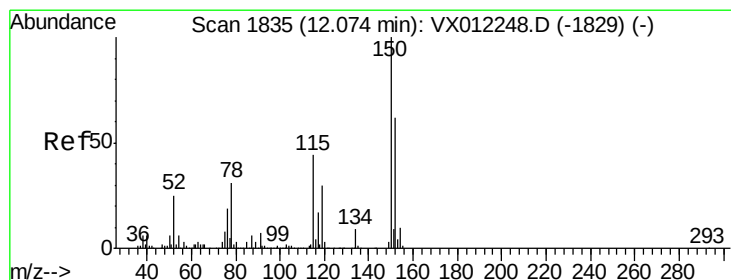
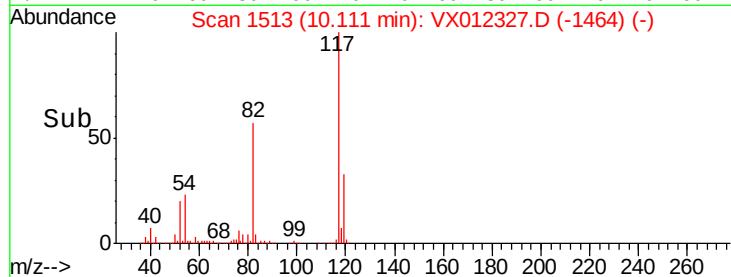
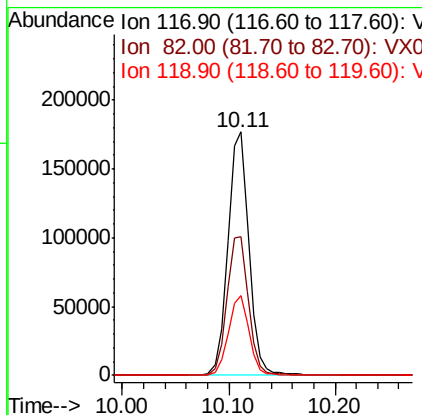
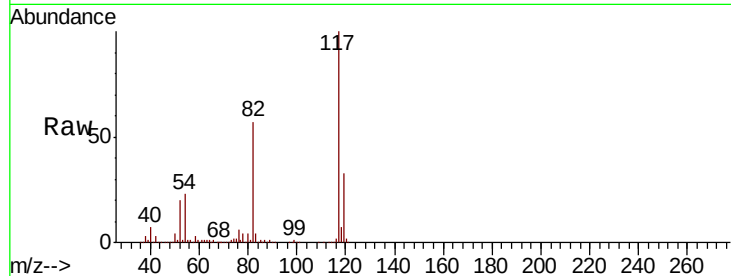




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

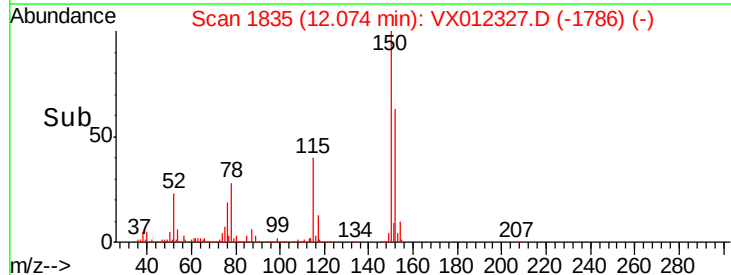
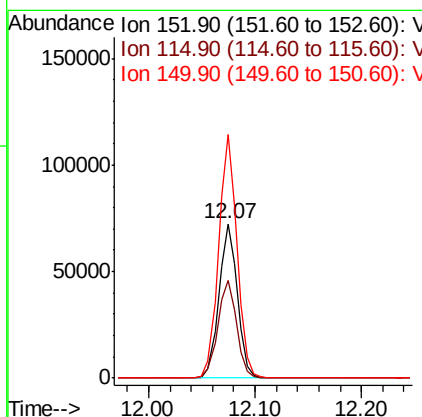
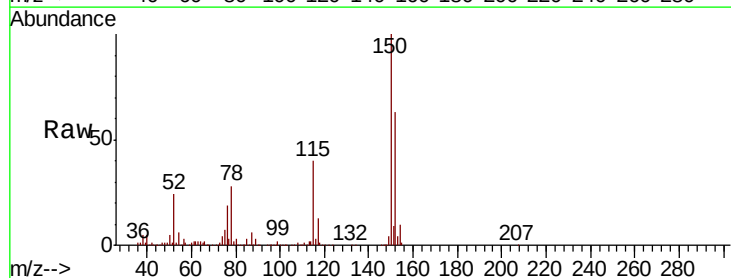
Instrument :
MSVOA_X
ClientSampleId :
T2-1-(0)

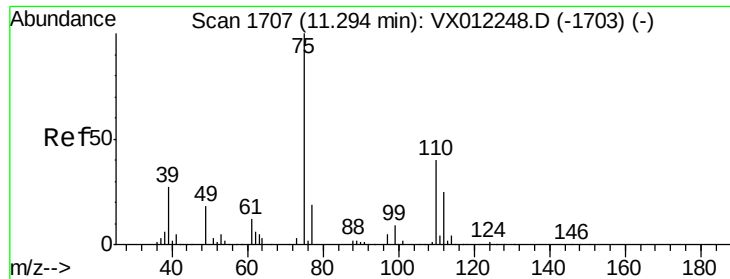
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.4	69.6
119	32.8	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012327.D
Acq: 12 Sep 2019 03:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	45.5	136.4
150	157.2	0.0	346.4

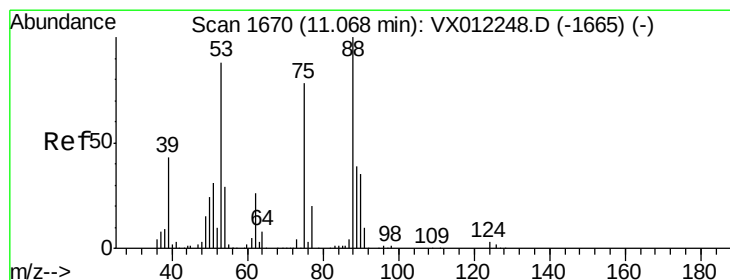
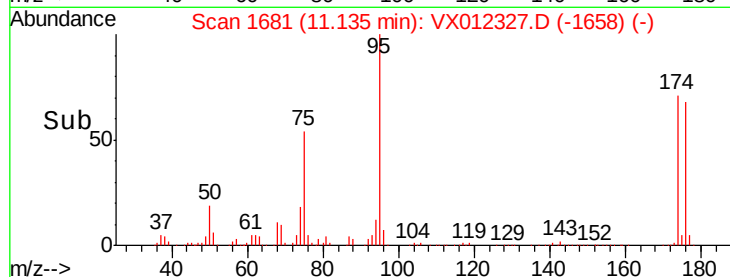
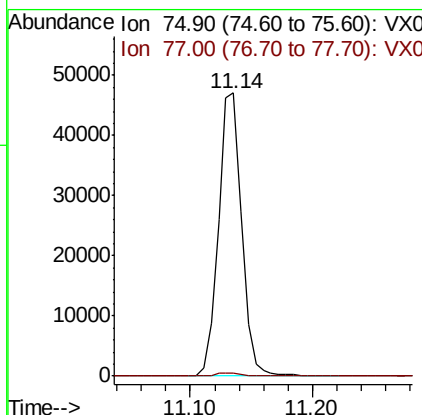
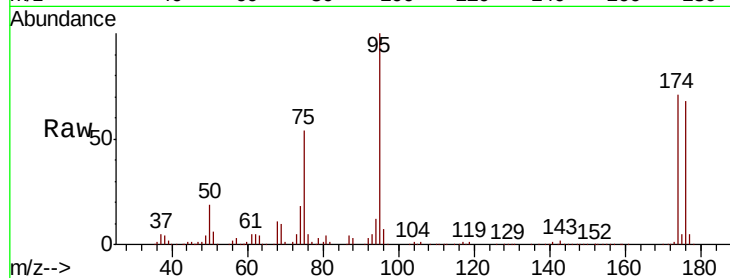




#76
 1,2,3-Trichloropropane
 Concen: 55.840 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012327.D
 Acq: 12 Sep 2019 03:42

Instrument :
 MSVOA_X
 ClientSampled :
 T2-1-(0)

Tgt Ion: 75 Resp: 62330
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 167.310 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012327.D
 Acq: 12 Sep 2019 03:42

Tgt Ion: 75 Resp: 62330
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.1 132.1#
 89 0.0 43.5 65.3#

