

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012283.D
 Acq On : 11 Sep 2019 05:00
 Operator : SY/SP
 Sample : K4680-14
 Misc : 6.38g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(0)

Quant Time: Sep 11 07:37:17 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	163299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87191	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	115268	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	5.48	113	88122	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	8.71	98	339386	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.14	95	117376	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	

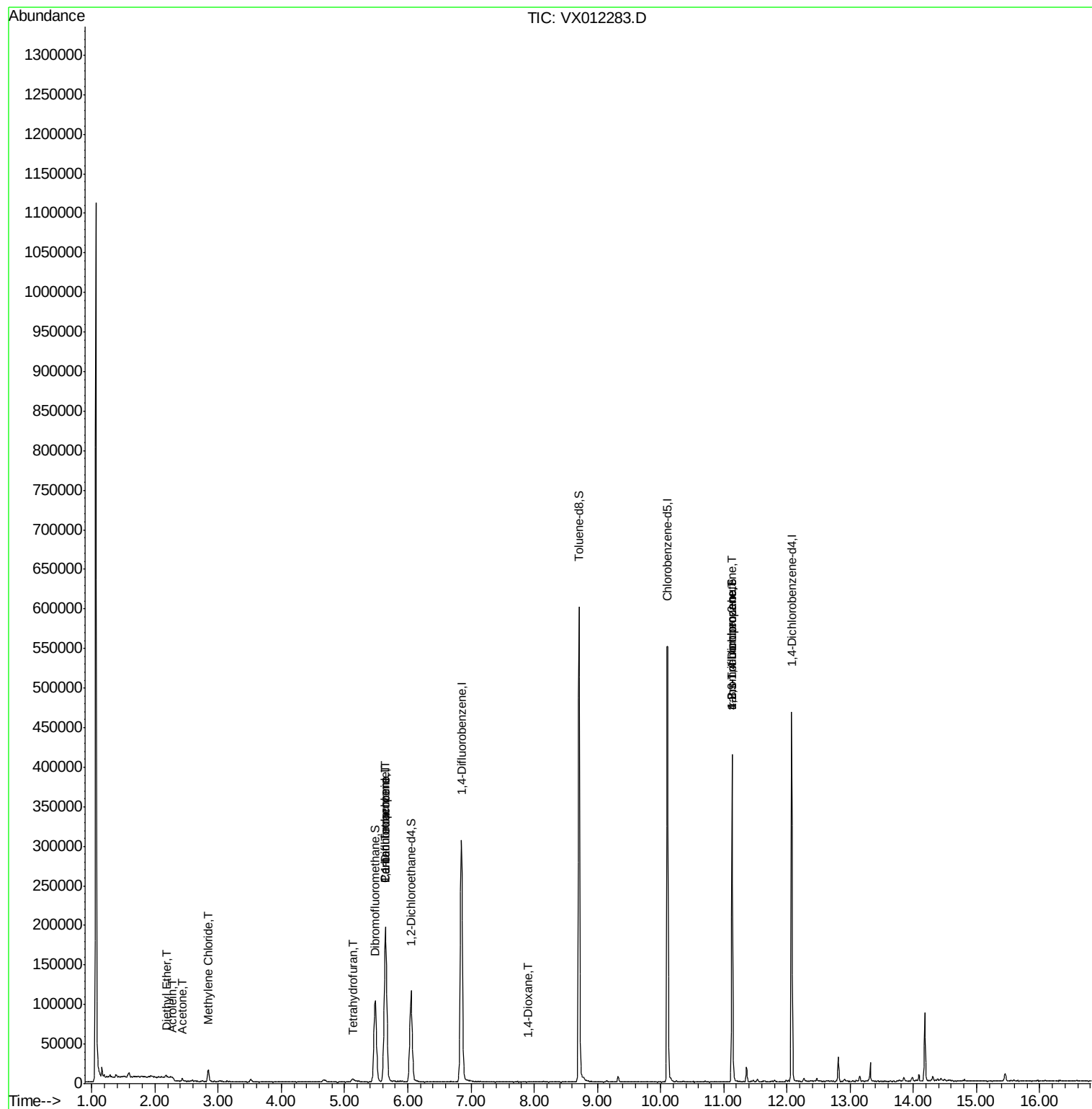
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	250	Below Cal	#	33
8) Diethyl Ether	2.17	74	1177	1.597	ug/l	87
11) Tert butyl alcohol	3.03	59	1598	Below Cal	#	70
13) Acrolein	2.28	56	153	1.268	ug/l #	39
16) Acetone	2.43	43	3124	5.716	ug/l	92
20) Methylene Chloride	2.84	84	6822	1.442	ug/l	98
29) Tetrahydrofuran	5.13	42	3925	10.412	ug/l	95
36) 1,1-Dichloropropene	5.64	75	15507	7.204	ug/l #	52
38) Carbon Tetrachloride	5.64	117	19922	7.889	ug/l #	14
49) 1,4-Dioxane	7.90	88	22	1.214	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	62764	56.034	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62764	167.892	ug/l #	5

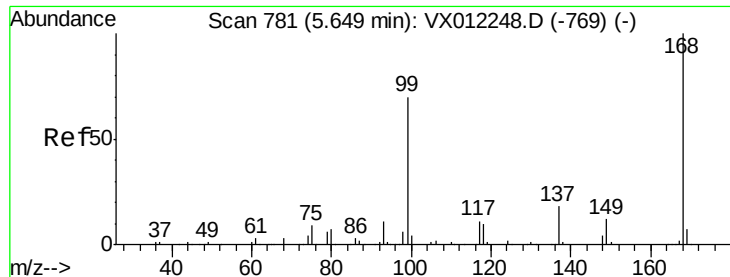
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

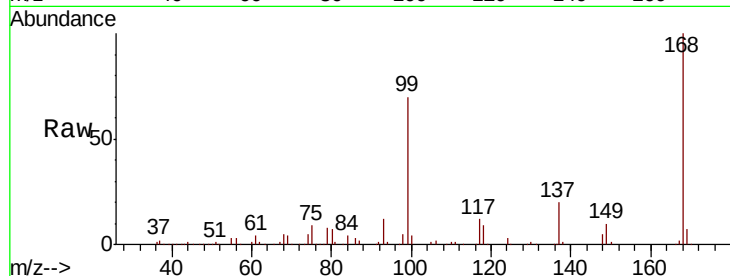
T3-2-(0)

Tgt Ion:168 Resp: 163299

Ion Ratio Lower Upper

168 100

99 70.3 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

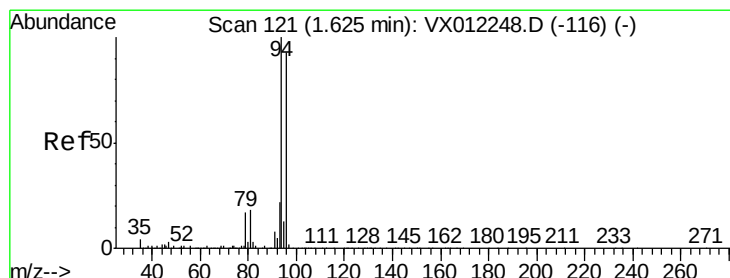
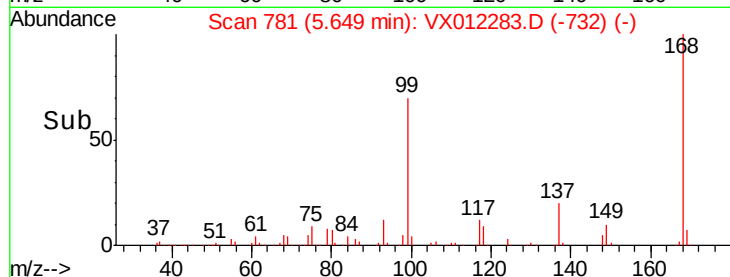
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012283.D

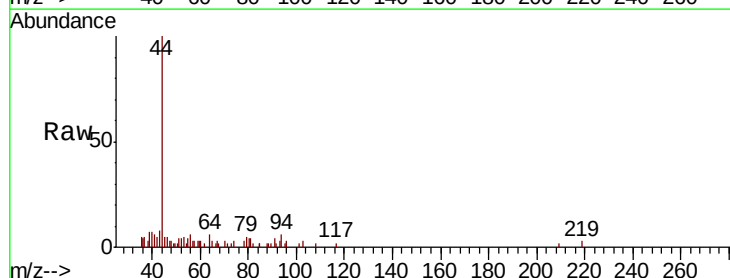
Acq: 11 Sep 2019 05:00

Tgt Ion: 94 Resp: 250

Ion Ratio Lower Upper

94 100

96 28.7 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

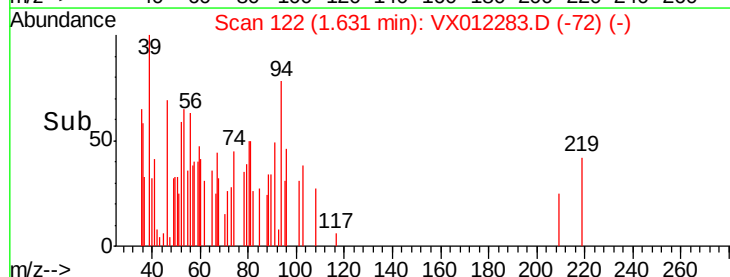
150

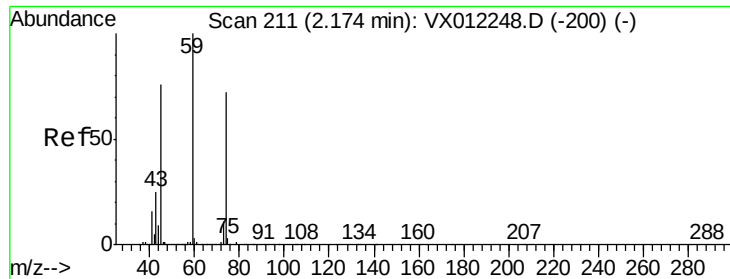
100

50

0

Time--> 1.60 1.62 1.64 1.66

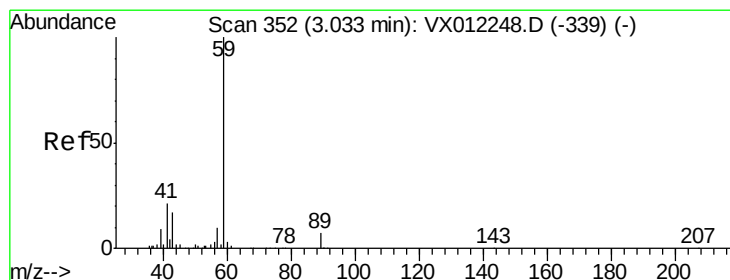
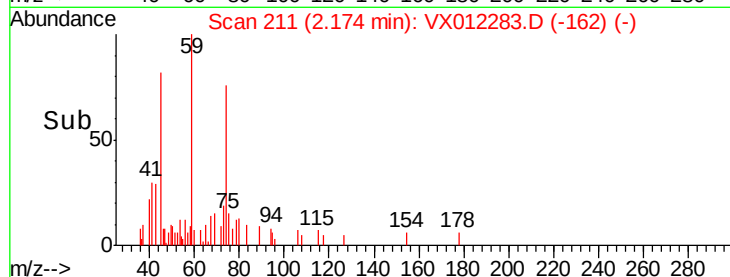
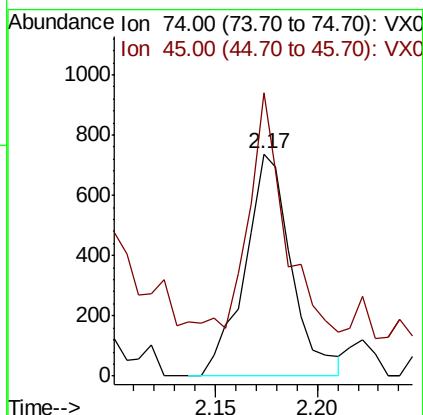
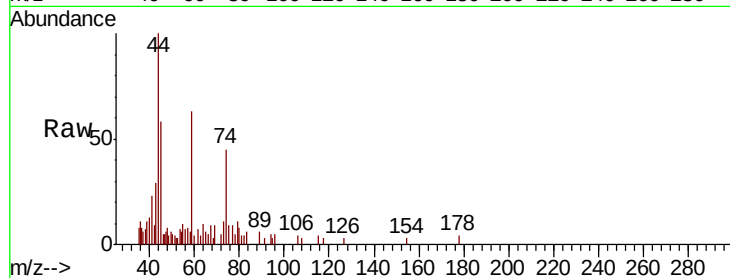




#8
Diethyl Ether
Concen: 1.597 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

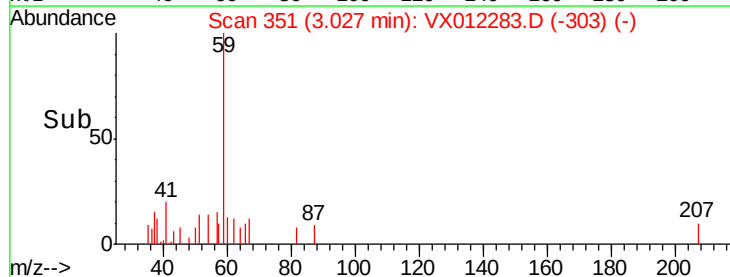
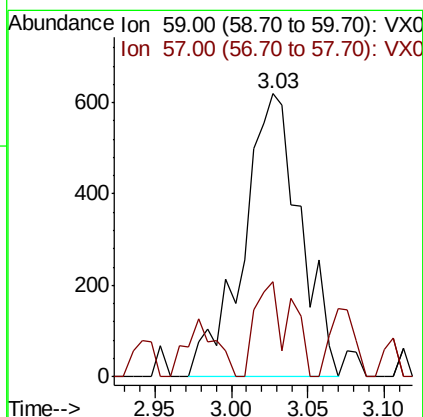
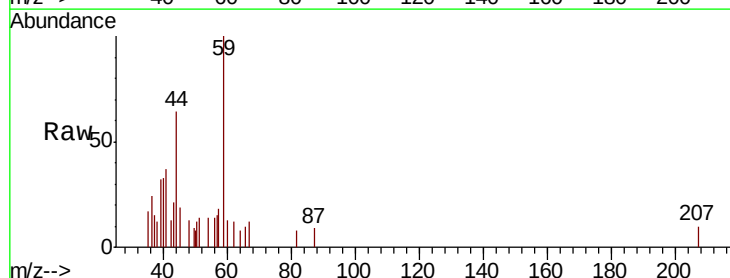
Instrument :
MSVOA_X
ClientSampled :
T3-2-(0)

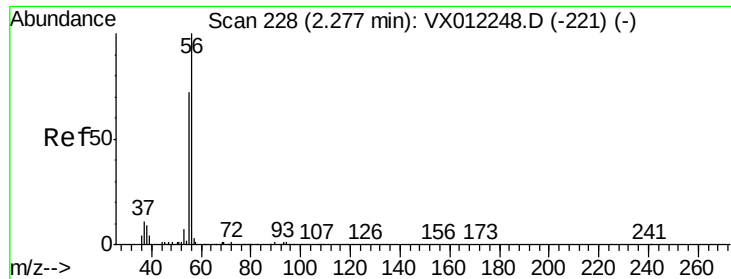
Tgt Ion: 74 Resp: 1177
Ion Ratio Lower Upper
74 100
45 89.2 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

Tgt Ion: 59 Resp: 1598
Ion Ratio Lower Upper
59 100
57 20.6 7.8 11.6#

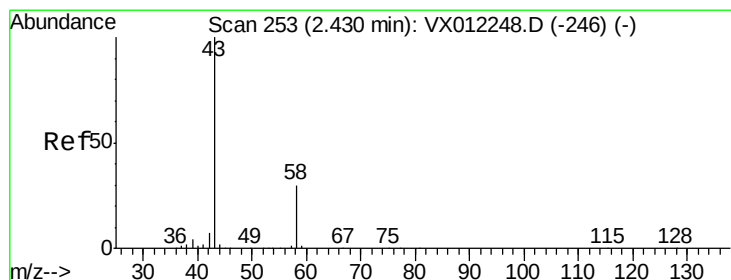
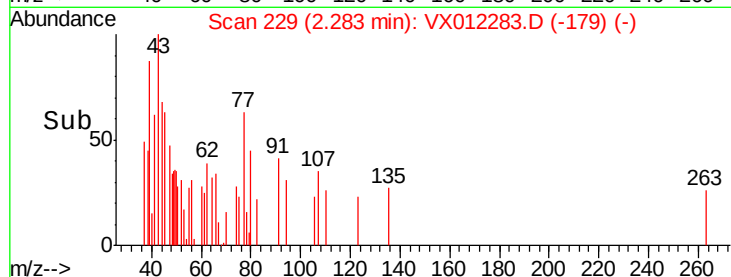
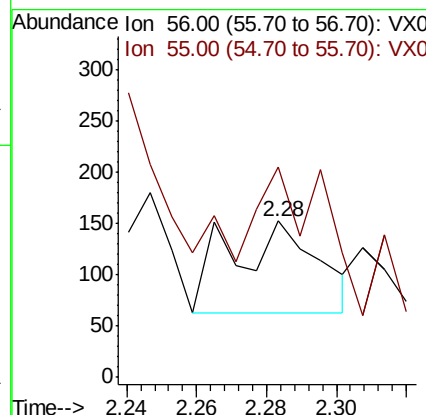
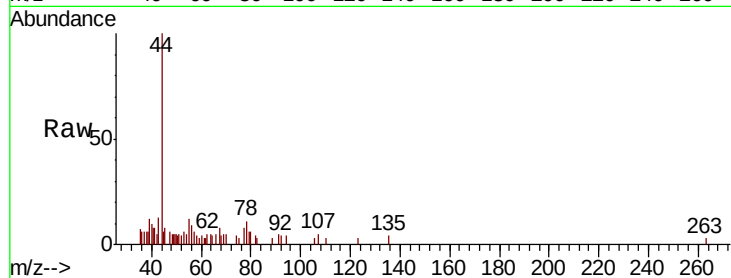




#13
Acrolein
Concen: 1.268 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

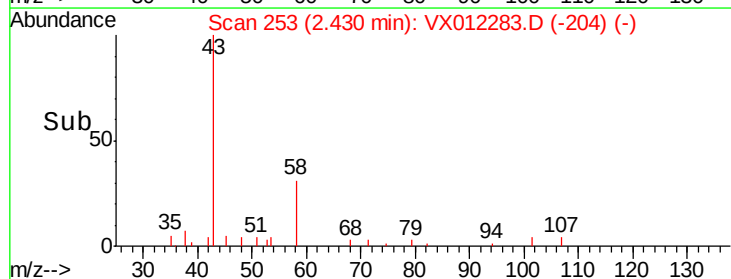
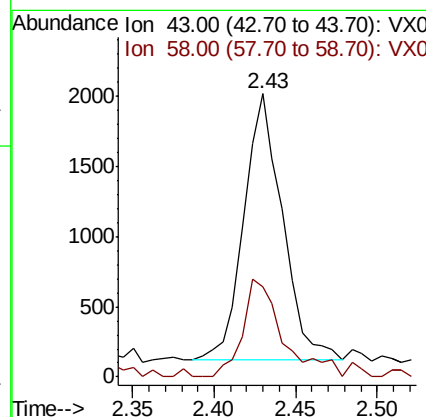
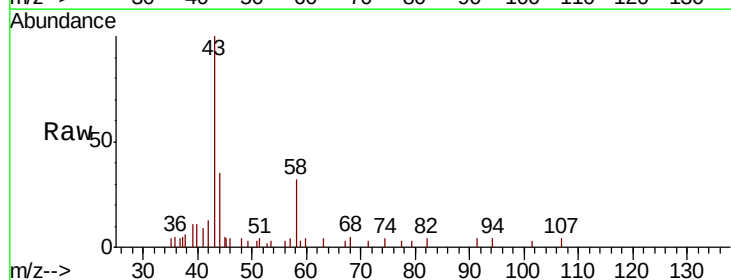
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(0)

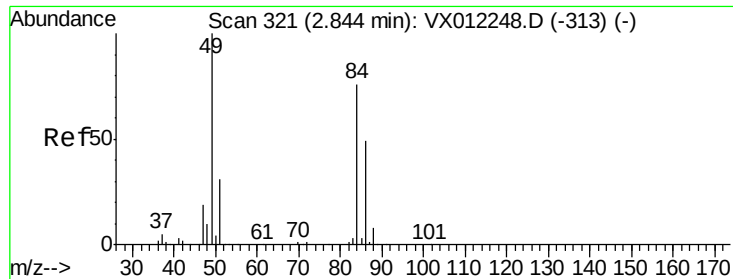
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 126.1 59.8 89.6#



#16
Acetone
Concen: 5.716 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

Tgt Ion: 43 Resp: 3124
Ion Ratio Lower Upper
43 100
58 34.0 23.6 35.4





#20

Methylene Chloride

Concen: 1.442 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

Tgt Ion: 84 Resp: 6822

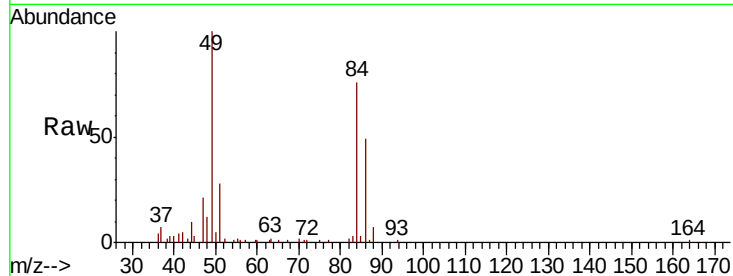
Ion Ratio Lower Upper

84 100

49 131.8 105.0 157.6

51 35.7 32.6 48.8

86 64.4 51.8 77.6

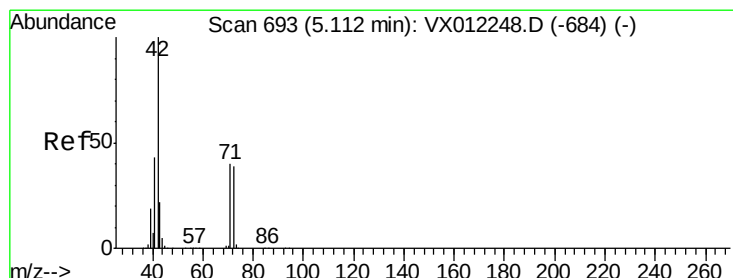
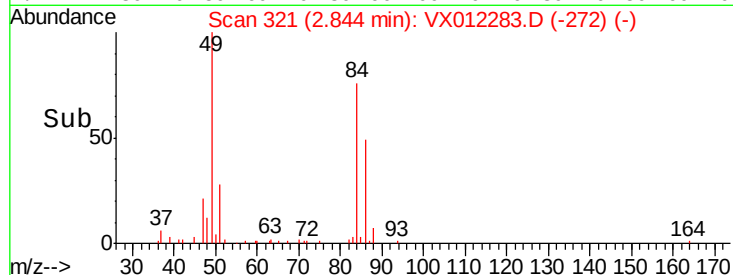
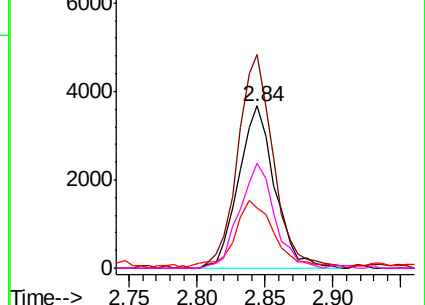


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 10.412 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

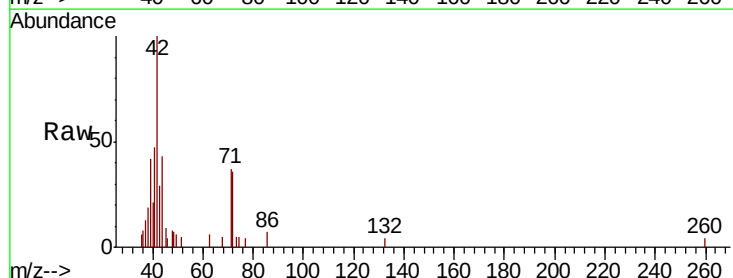
Tgt Ion: 42 Resp: 3925

Ion Ratio Lower Upper

42 100

72 38.8 35.2 52.8

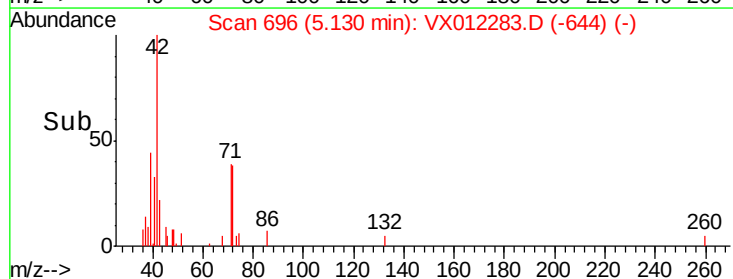
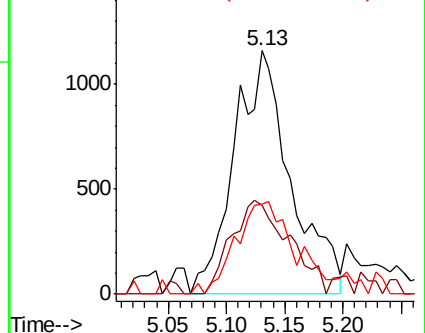
71 39.5 32.5 48.7

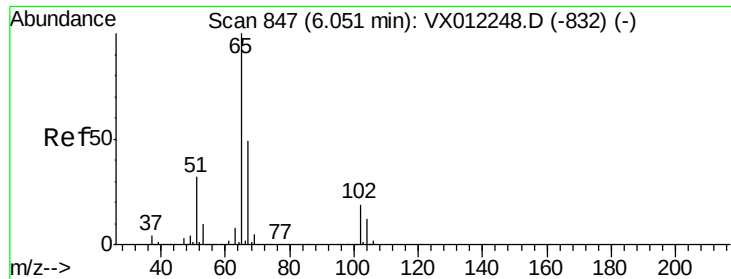


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

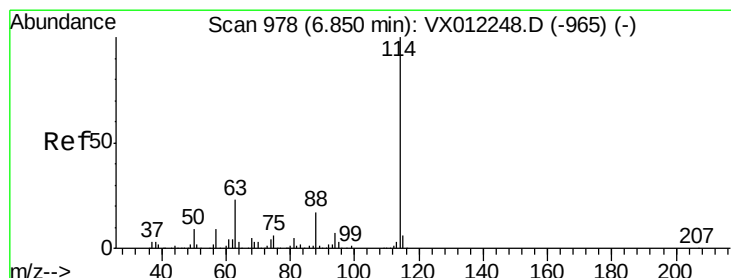
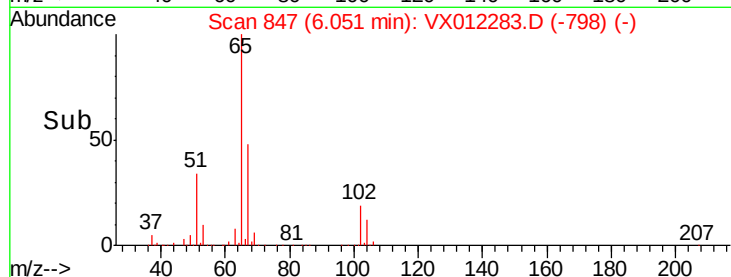
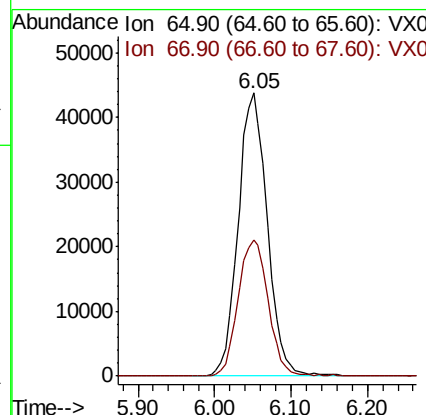
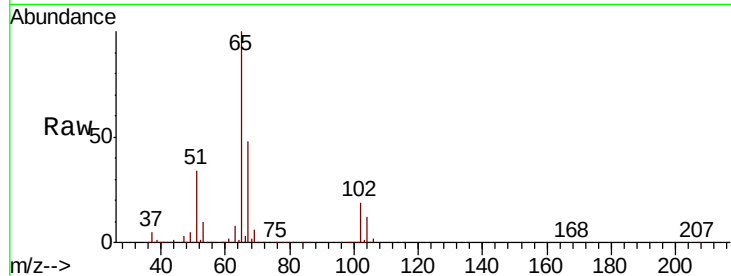




#33
 1,2-Dichloroethane-d4
 Concen: 49.927 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012283.D
 Acq: 11 Sep 2019 05:00

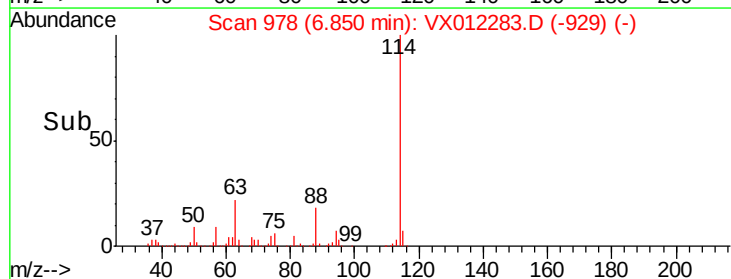
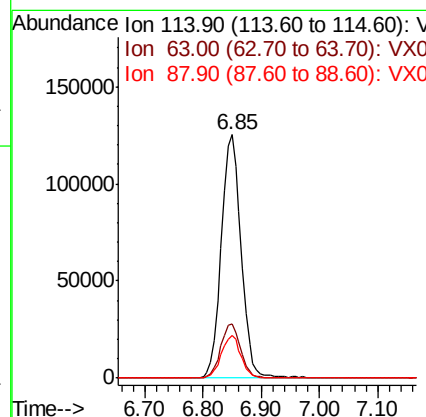
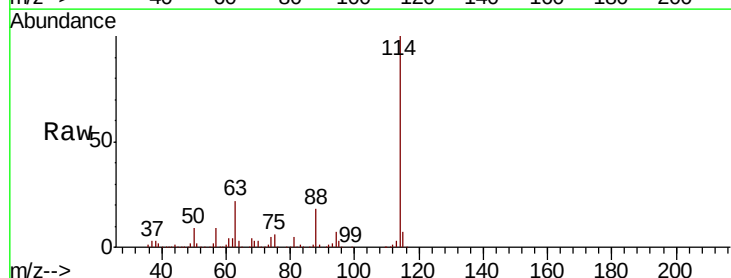
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(0)

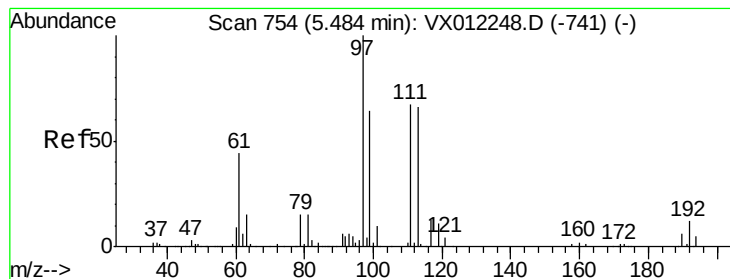
Tgt Ion: 65 Resp: 115268
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012283.D
 Acq: 11 Sep 2019 05:00

Tgt Ion: 114 Resp: 295199
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 17.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.567 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

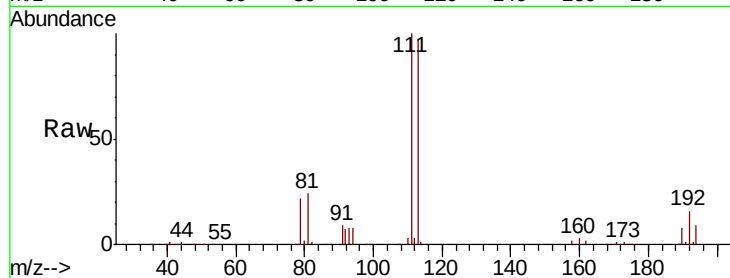
Tgt Ion:113 Resp: 88122

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

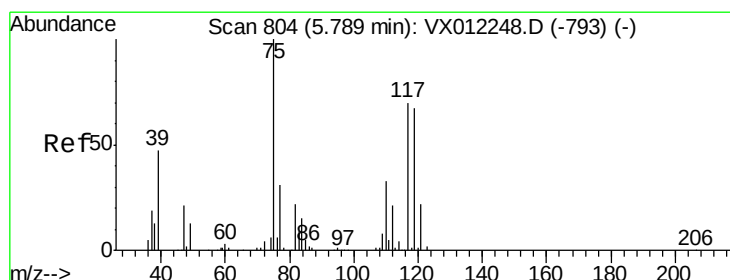
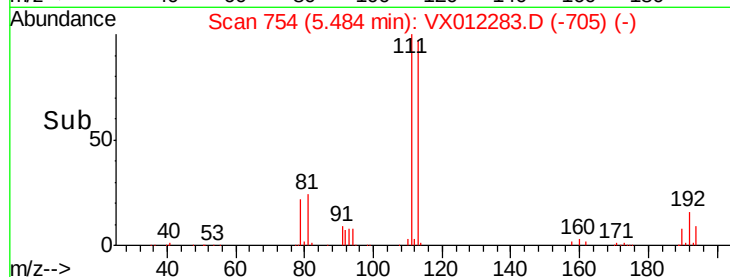
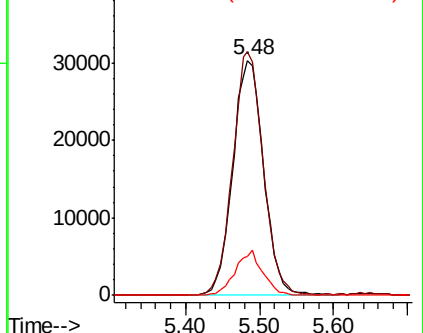
192 17.1 14.3 21.5



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: 7.204 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

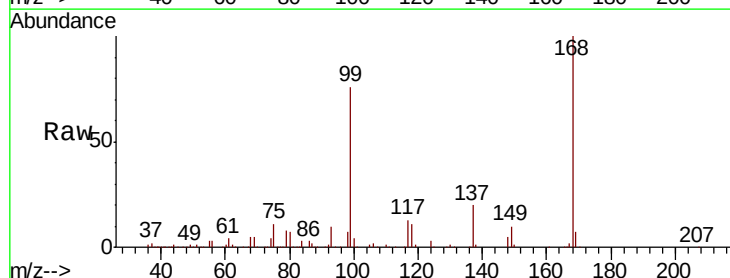
Tgt Ion: 75 Resp: 15507

Ion Ratio Lower Upper

75 100

110 9.7 16.8 50.4#

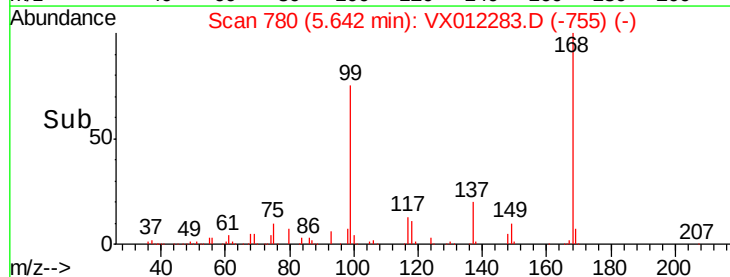
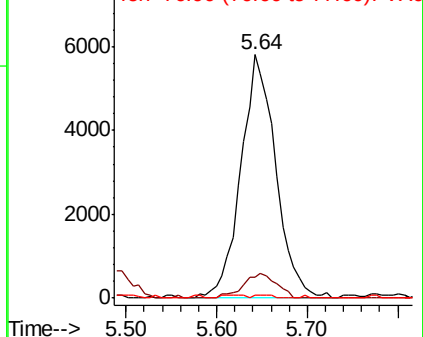
77 0.6 24.5 36.7#

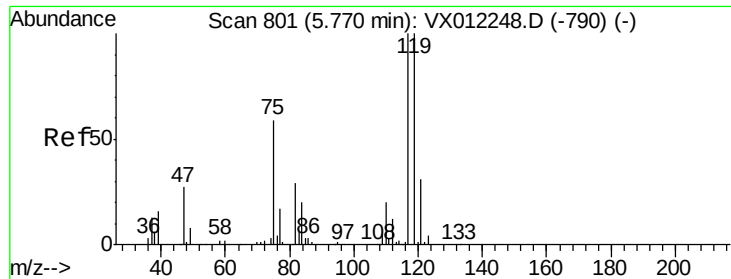


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

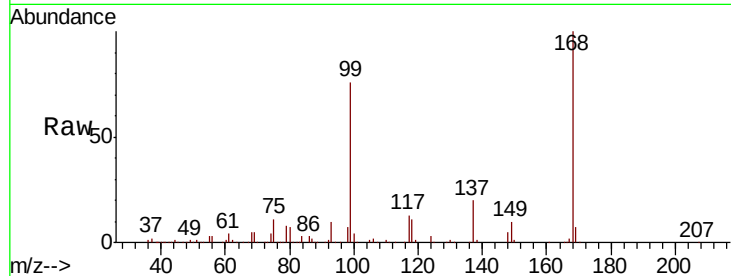




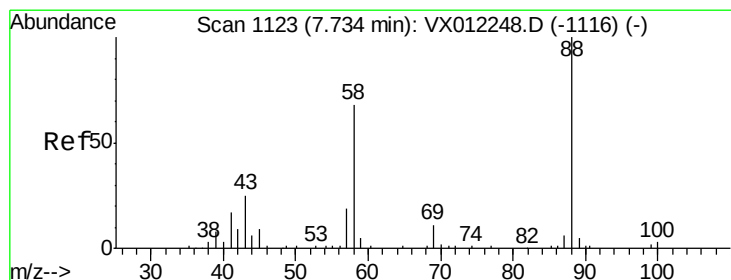
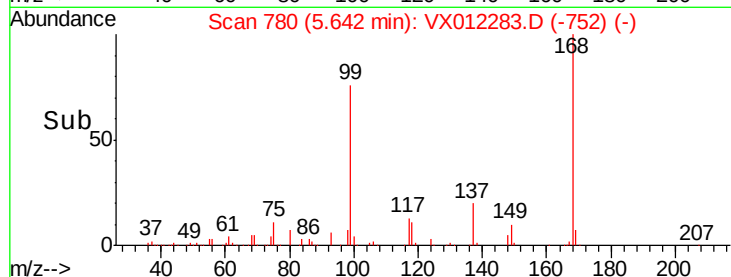
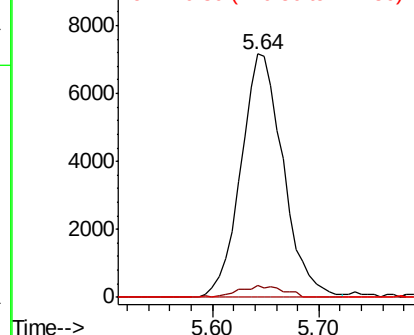
#38
Carbon Tetrachloride
Concen: 7.889 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

Instrument :
MSVOA_X
ClientSampleId :
T3-2-(0)

Tgt Ion: 117 Resp: 19922
Ion Ratio Lower Upper
117 100
119 4.8 79.6 119.4#
121 0.0 24.7 37.1#

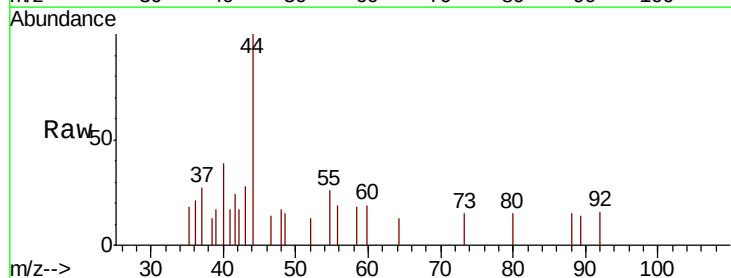


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

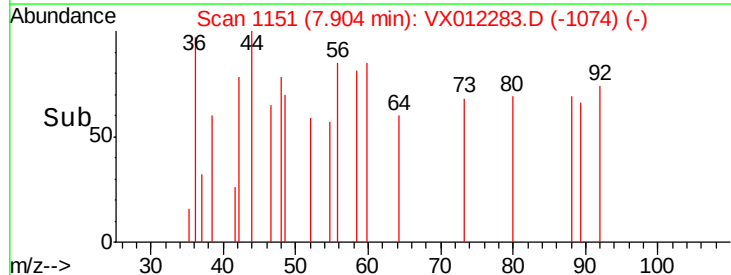
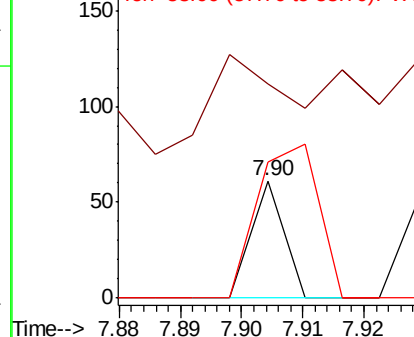


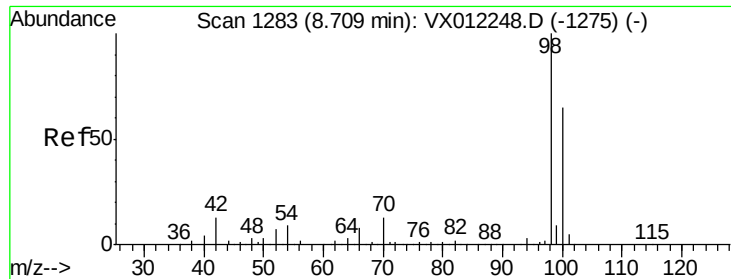
#49
1,4-Dioxane
Concen: 1.214 ug/l
RT: 7.90 min Scan# 1151
Delta R.T. 0.17 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1081.8 31.0 46.4#
58 250.0 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

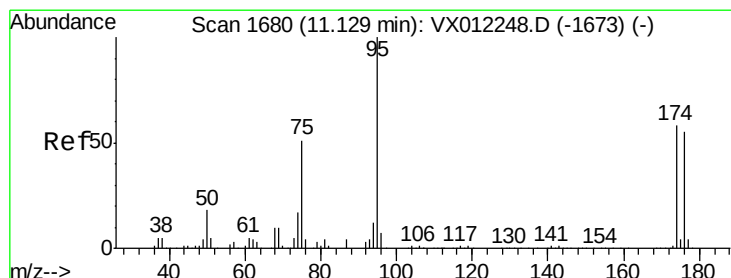
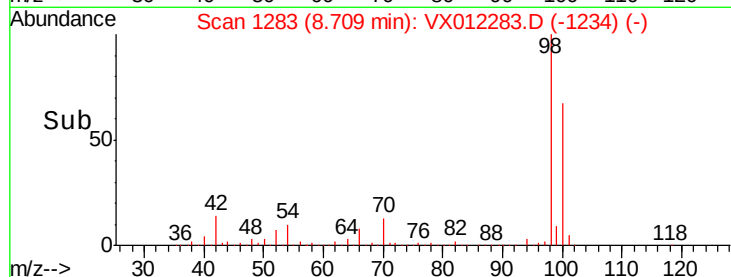
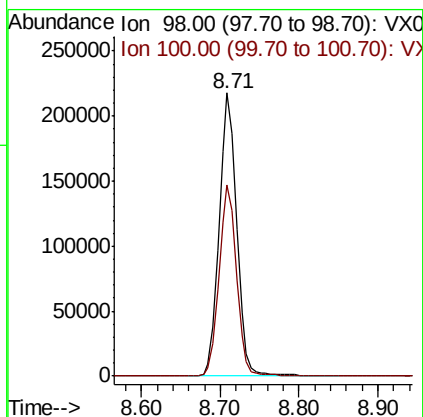
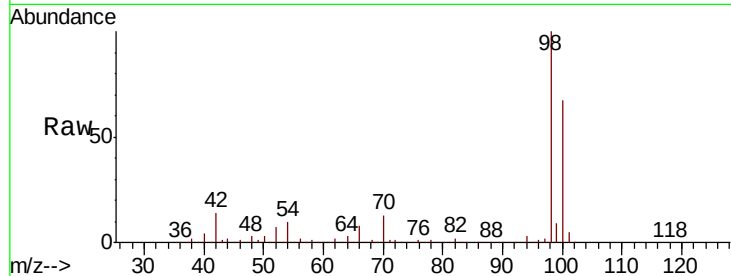




#50
Toluene-d8
Concen: 51.134 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

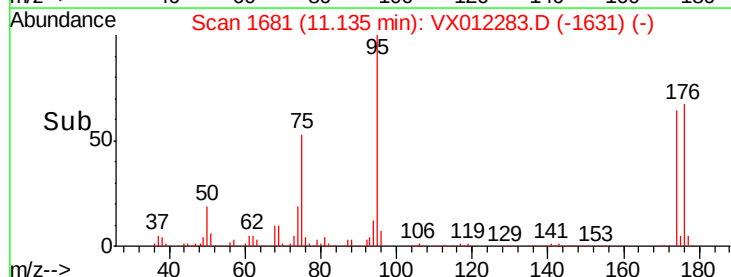
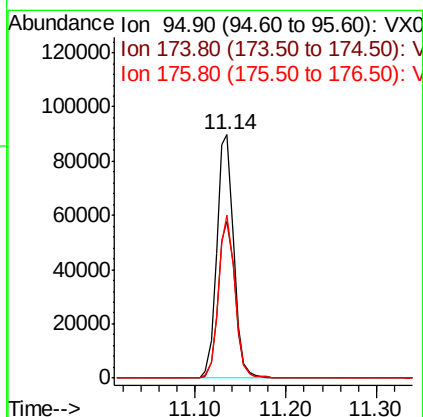
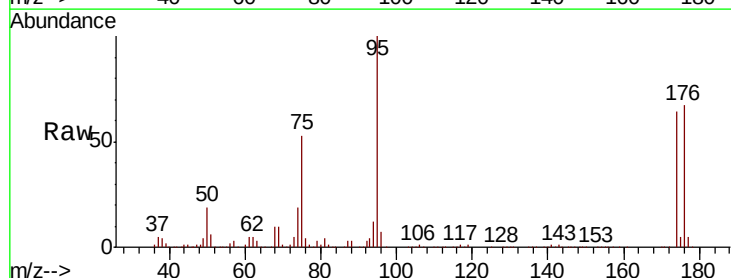
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(0)

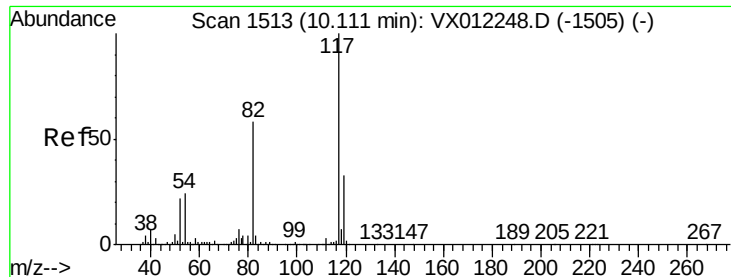
Tgt Ion: 98 Resp: 339386
Ion Ratio Lower Upper
98 100
100 67.3 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 38.146 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

Tgt Ion: 95 Resp: 117376
Ion Ratio Lower Upper
95 100
174 63.8 0.0 127.0
176 64.0 0.0 125.8

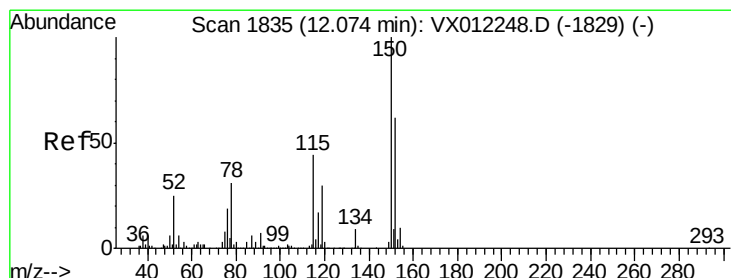
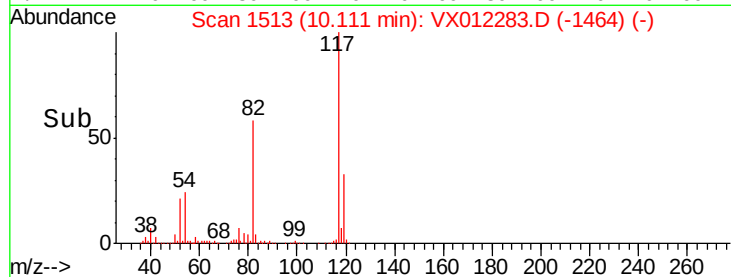
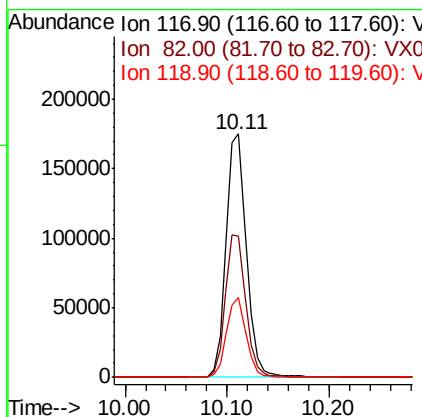
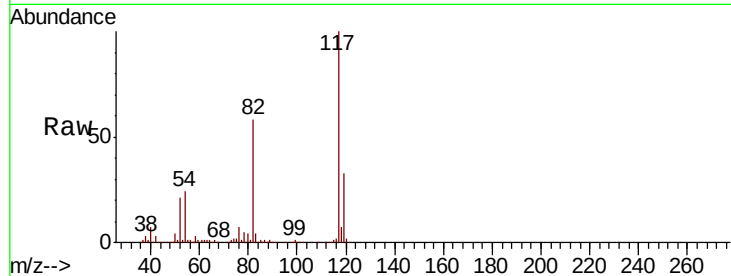




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

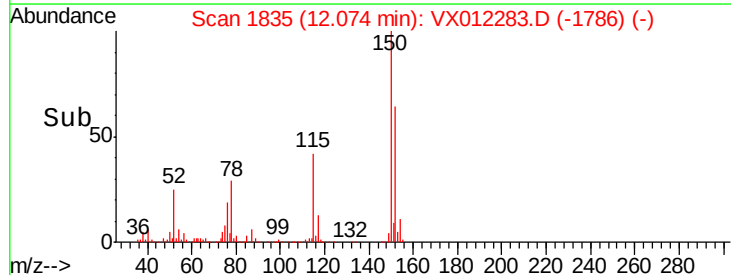
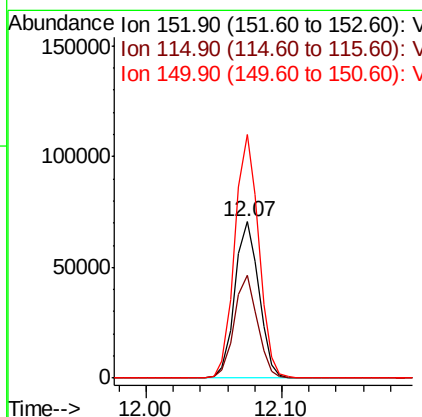
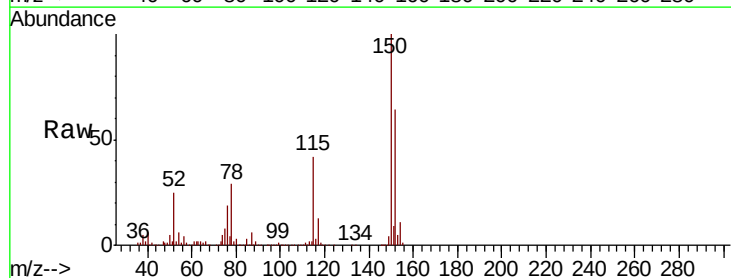
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(0)

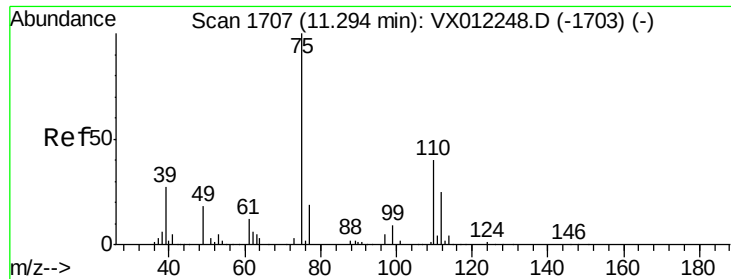
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.4	69.6
119	32.8	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012283.D
Acq: 11 Sep 2019 05:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	45.5	136.4
150	155.2	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 56.034 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampled :

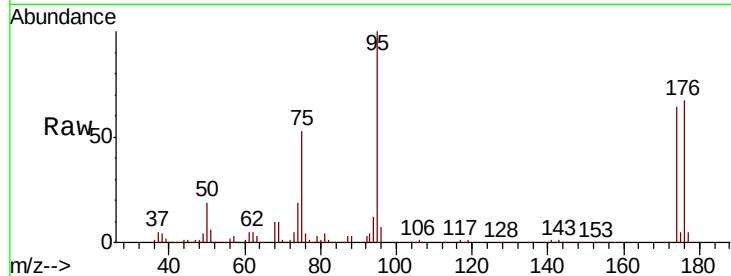
T3-2-(0)

Tgt Ion: 75 Resp: 62764

Ion Ratio Lower Upper

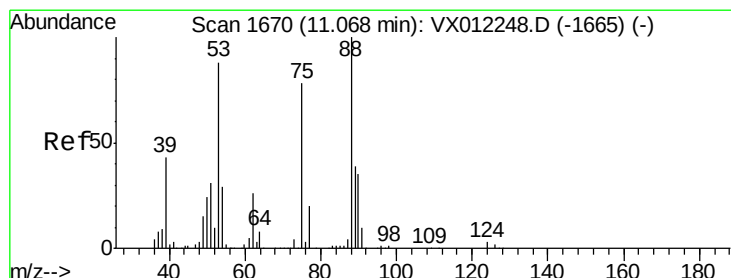
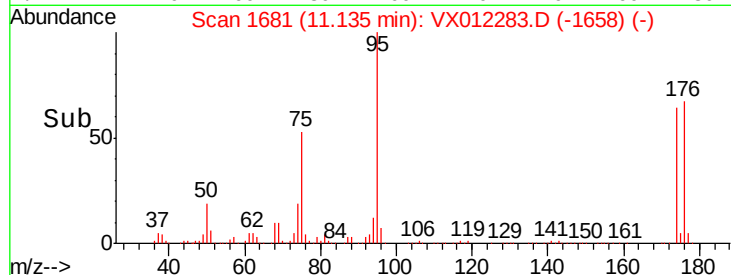
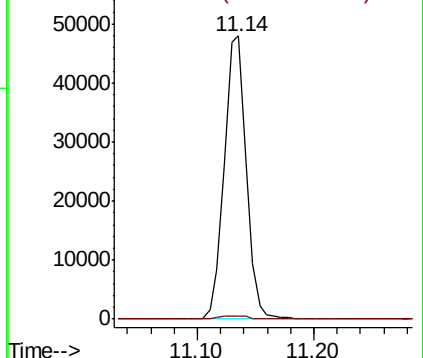
75 100

77 1.6 19.7 59.0#



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: 167.892 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

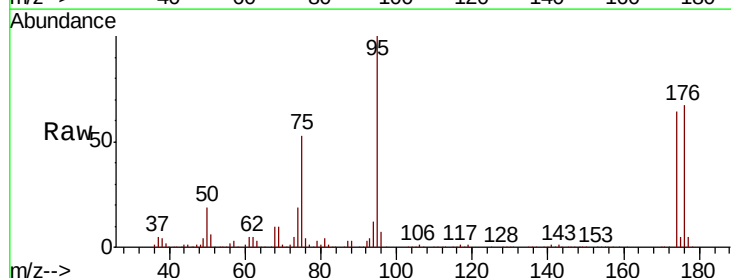
Tgt Ion: 75 Resp: 62764

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 43.5 65.3#



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

