

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012383.D
 Acq On : 13 Sep 2019 13:34
 Operator : SY/SP
 Sample : K4695-03
 Misc : 4.79g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(1.5)

Quant Time: Sep 14 00:03:21 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	165642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84917	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	106418	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
35) Dibromofluoromethane	5.48	113	80777	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
50) Toluene-d8	8.71	98	327502	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.14	95	112483	38.45	ug/l	0.00
Spiked Amount			Recovery	=	76.90%	

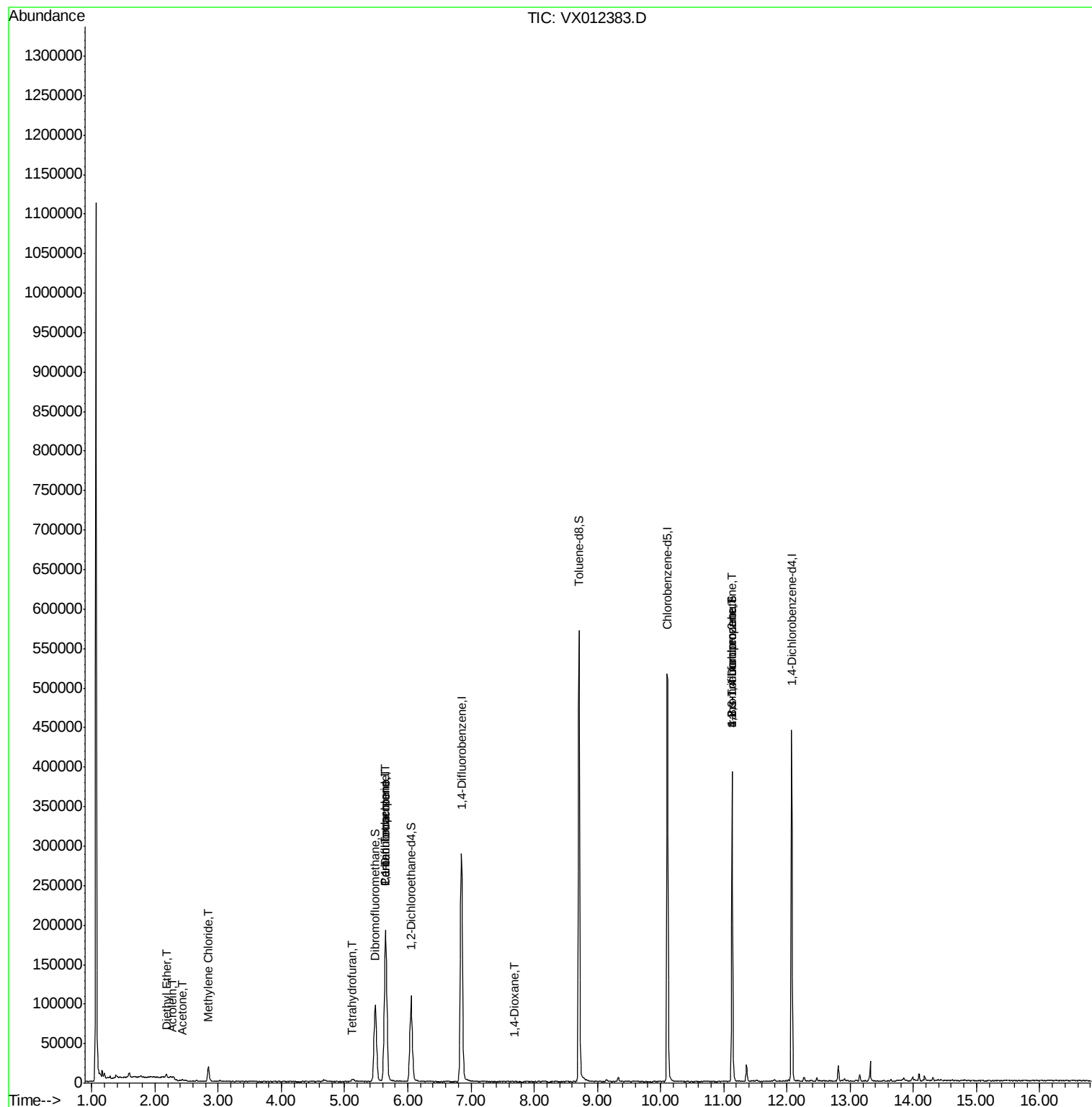
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	166	Below Cal	#	78
8) Diethyl Ether	2.18	74	1114	1.490	ug/l	74
11) Tert butyl alcohol	3.02	59	1011	Below Cal	#	74
13) Acrolein	2.28	56	381	3.112	ug/l	93
16) Acetone	2.43	43	1669	3.011	ug/l	95
20) Methylene Chloride	2.85	84	8539	2.430	ug/l	89
29) Tetrahydrofuran	5.12	42	3325	8.696	ug/l	95
36) 1,1-Dichloropropene	5.64	75	14295	6.985	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18480	7.696	ug/l #	14
49) 1,4-Dioxane	7.69	88	24	1.393	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	57513	52.721	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	57513	157.965	ug/l #	5

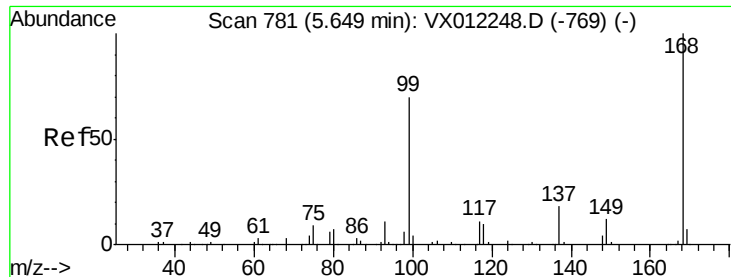
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX012383.D

Acq: 13 Sep 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

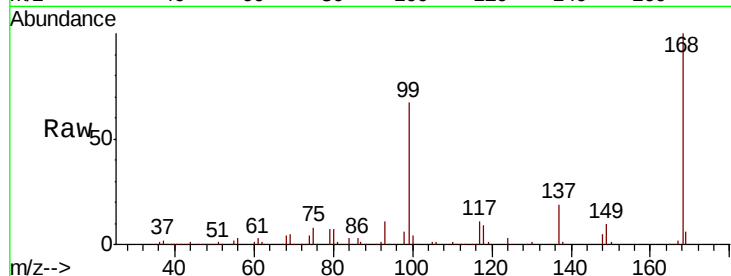
T3-2-(1.5)

Tgt Ion:168 Resp: 165642

Ion Ratio Lower Upper

168 100

99 67.2 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

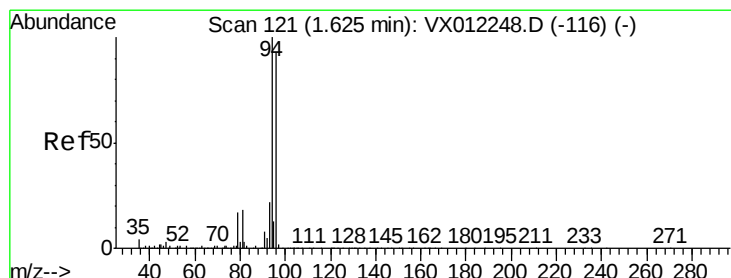
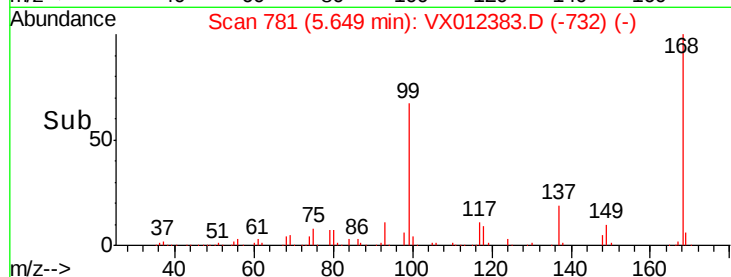
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012383.D

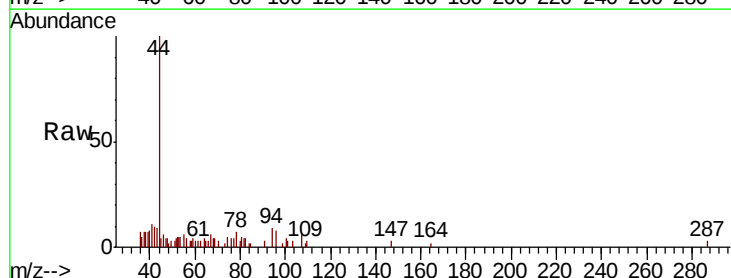
Acq: 13 Sep 2019 13:34

Tgt Ion: 94 Resp: 166

Ion Ratio Lower Upper

94 100

96 71.5 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

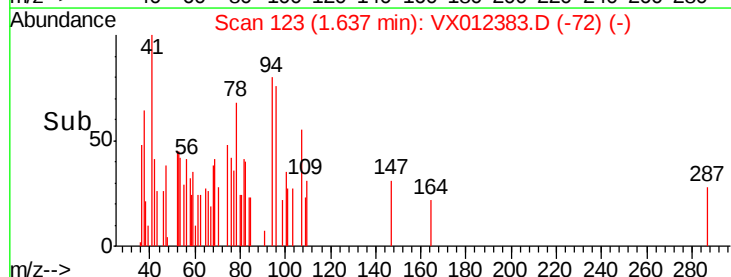
150

100

50

0

Time--> 1.60 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.490 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

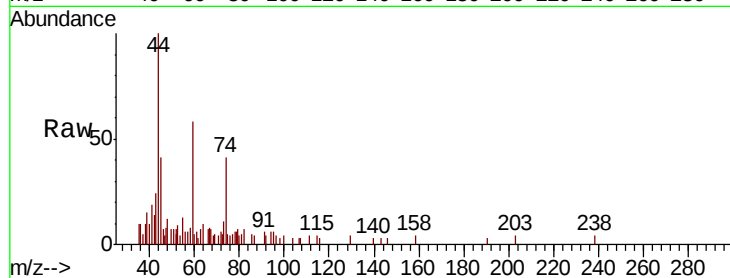
T3-2-(1.5)

Tgt Ion: 74 Resp: 1114

Ion Ratio Lower Upper

74 100

45 76.2 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

400

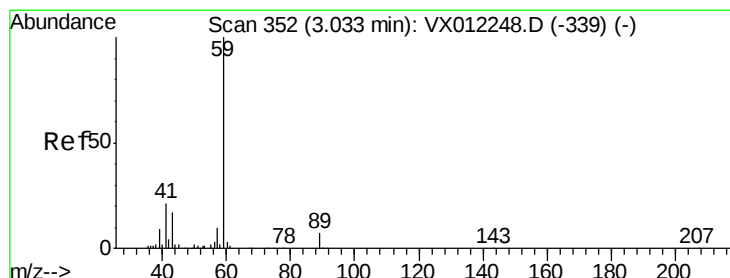
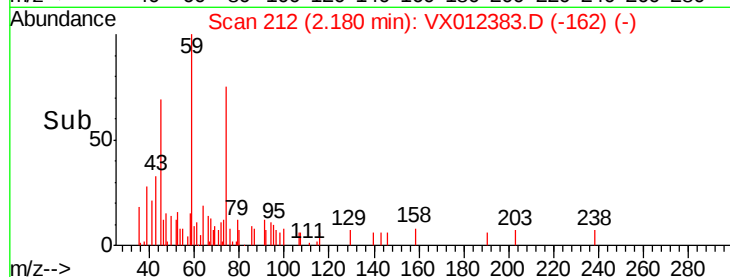
200

0

2.15

2.20

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012383.D

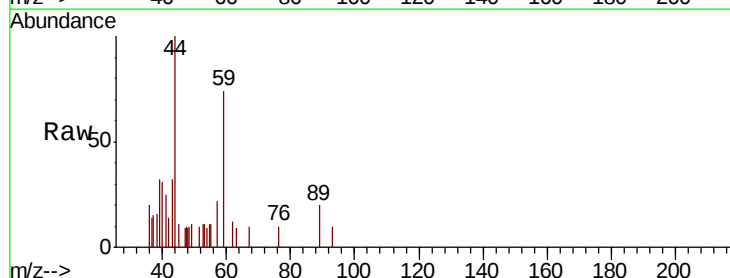
Acq: 13 Sep 2019 13:34

Tgt Ion: 59 Resp: 1011

Ion Ratio Lower Upper

59 100

57 19.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

500

400

300

200

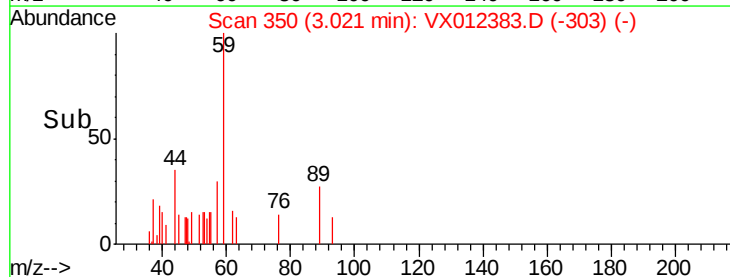
100

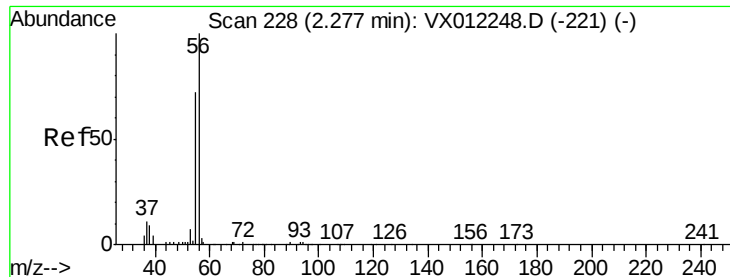
0

3.00

3.05

Time-->





#13

Acrolein

Concen: 3.112 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

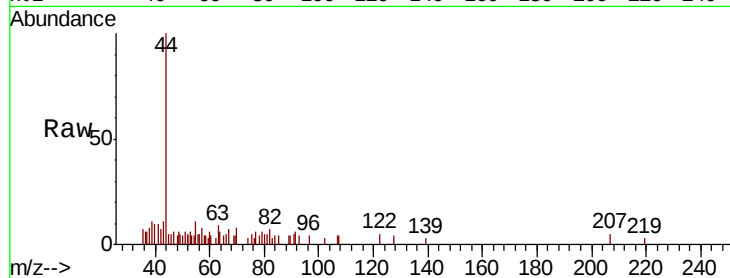
T3-2-(1.5)

Tgt Ion: 56 Resp: 381

Ion Ratio Lower Upper

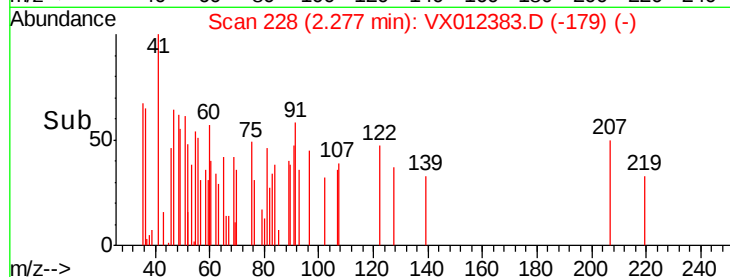
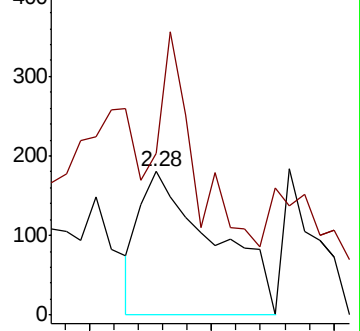
56 100

55 68.8 59.8 89.6

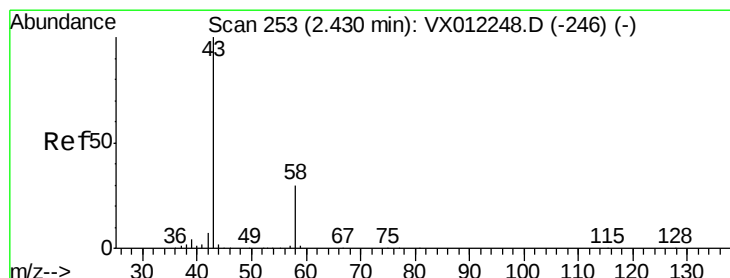


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 3.011 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012383.D

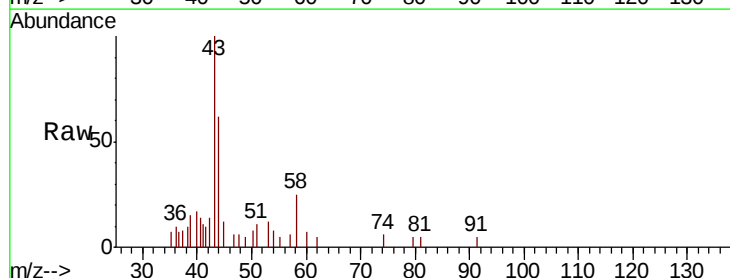
Acq: 13 Sep 2019 13:34

Tgt Ion: 43 Resp: 1669

Ion Ratio Lower Upper

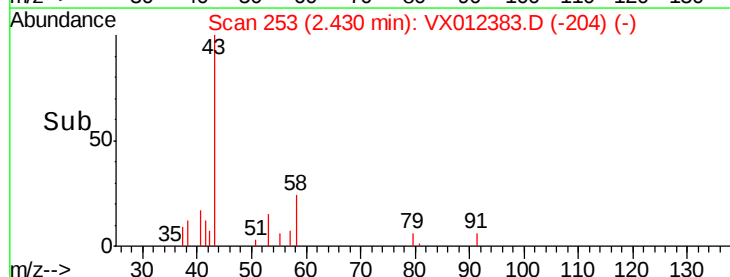
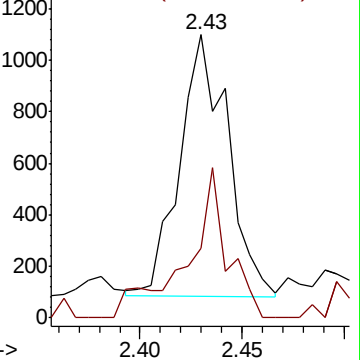
43 100

58 27.0 23.6 35.4

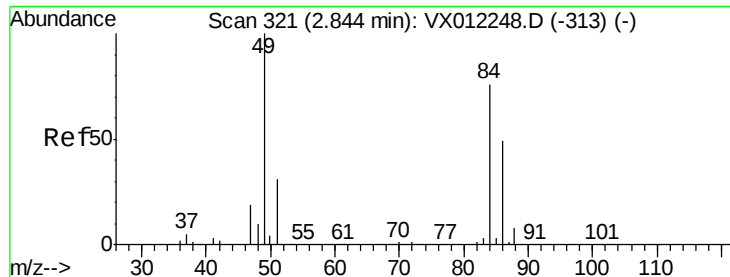


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



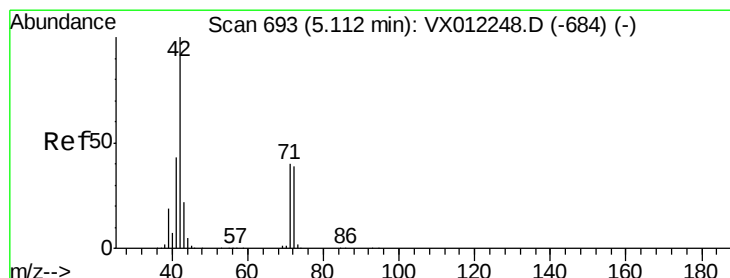
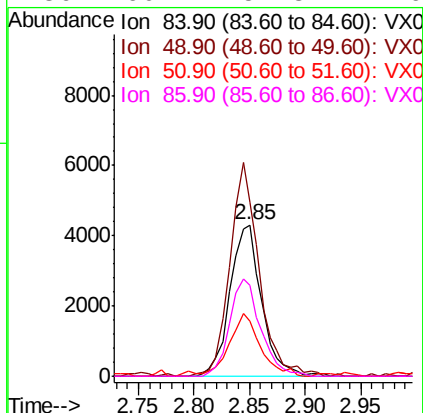
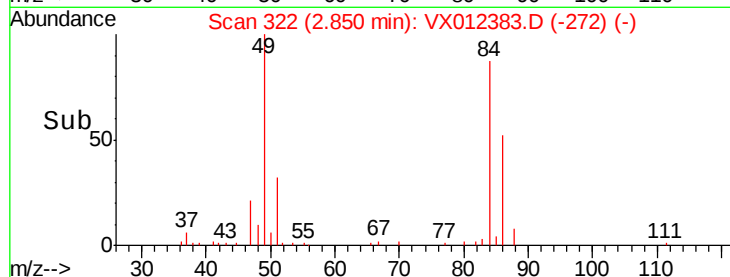
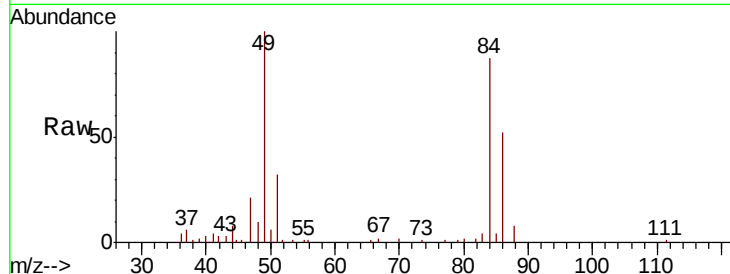
Time-->



#20
Methylene Chloride
Concen: 2.430 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012383.D
Acq: 13 Sep 2019 13:34

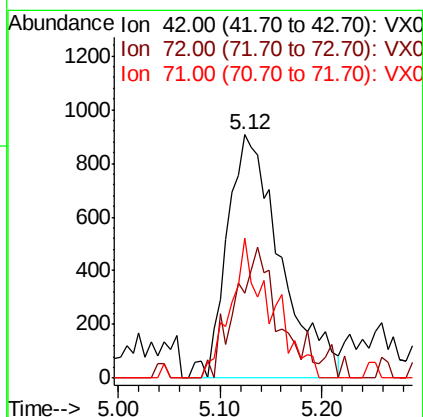
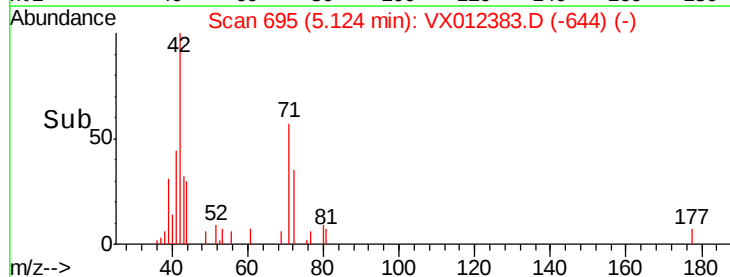
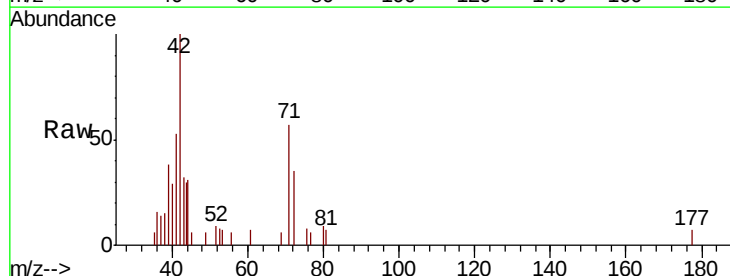
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(1.5)

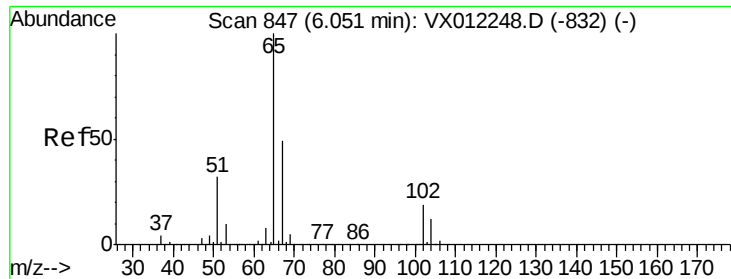
Tgt Ion:	84	Resp:	8539
Ion	Ratio	Lower	Upper
84	100		
49	114.9	105.0	157.6
51	35.2	32.6	48.8
86	60.1	51.8	77.6



#29
Tetrahydrofuran
Concen: 8.696 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012383.D
Acq: 13 Sep 2019 13:34

Tgt Ion:	42	Resp:	3325
Ion	Ratio	Lower	Upper
42	100		
72	41.2	35.2	52.8
71	43.6	32.5	48.7

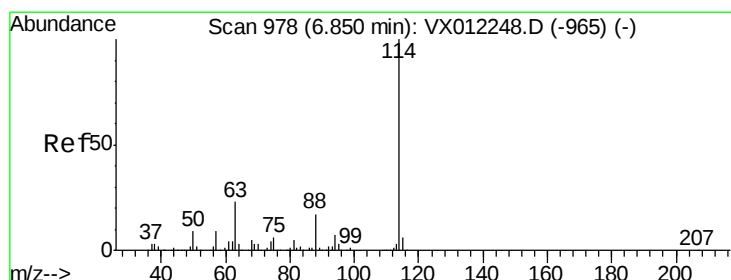
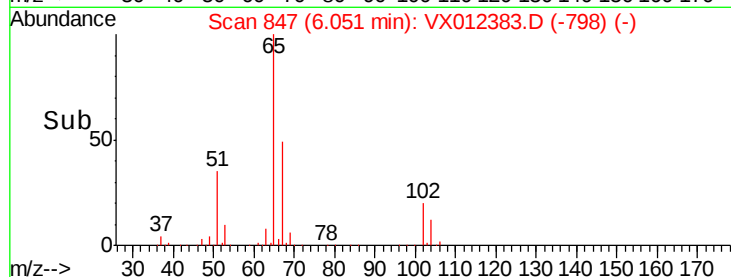
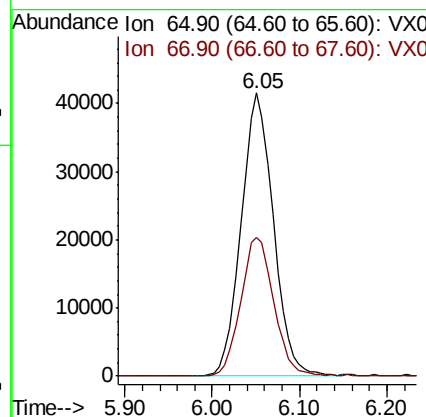
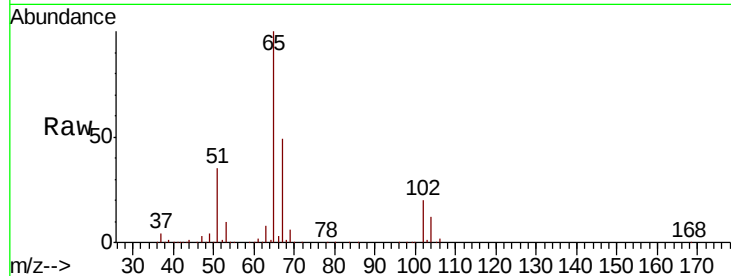




#33
 1,2-Dichloroethane-d4
 Concen: 45.442 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012383.D
 Acq: 13 Sep 2019 13:34

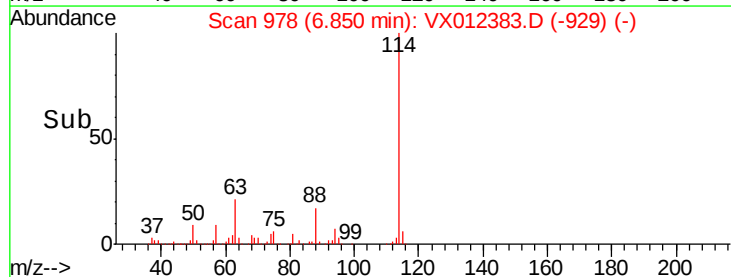
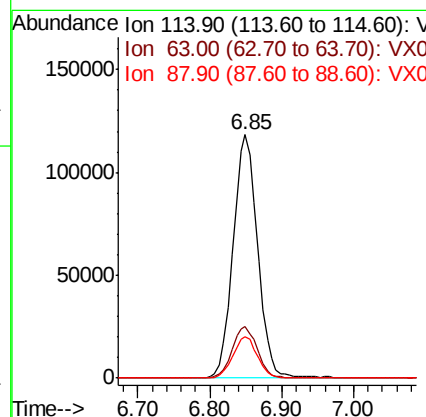
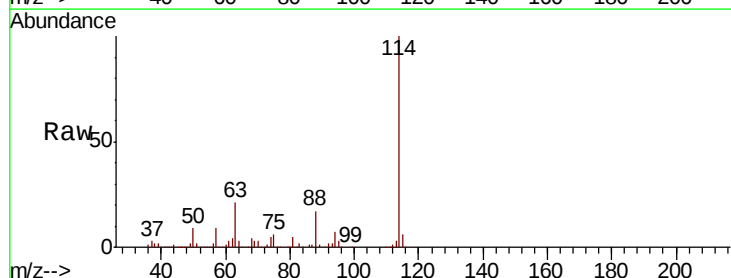
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(1.5)

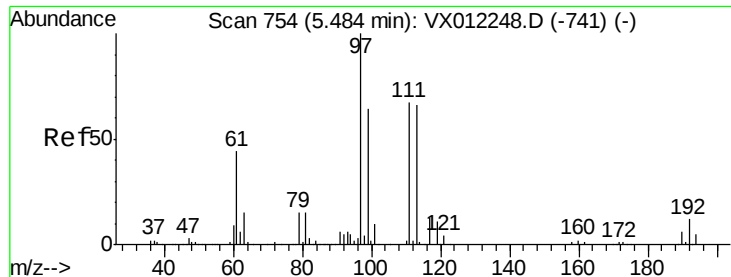
Tgt Ion: 65 Resp: 106418
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012383.D
 Acq: 13 Sep 2019 13:34

Tgt Ion: 114 Resp: 280672
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.2
 88 17.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 44.895 ug/l

RT: 5.48 min Scan# 754

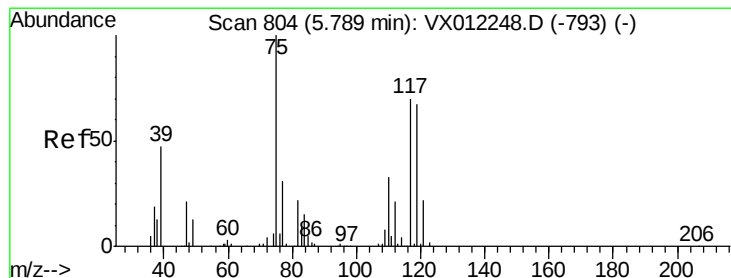
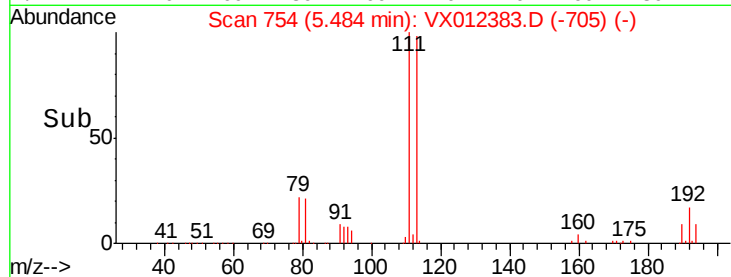
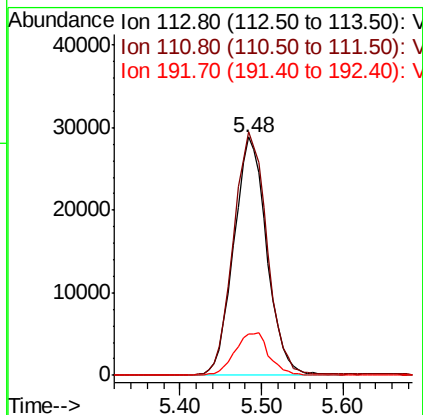
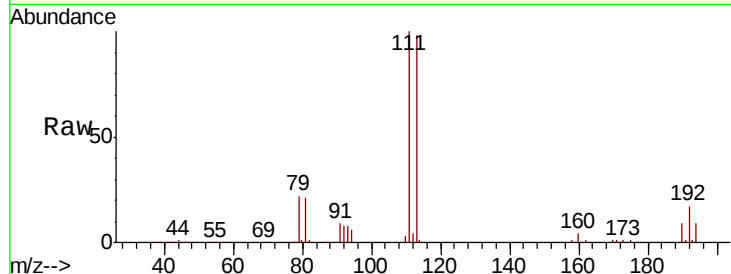
Delta R.T. -0.00 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
T3-2-(1.5)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.0	124.6
192	18.3	14.3	21.5



#36

1,1-Dichloropropene

Concen: 6.985 ug/l

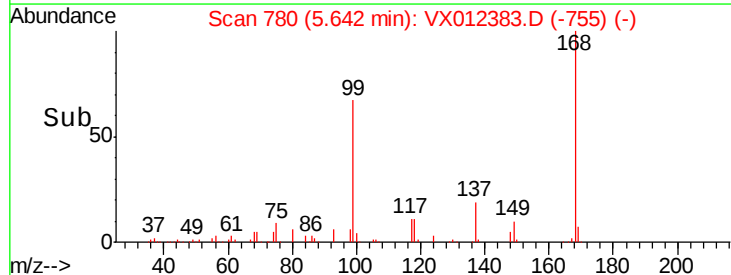
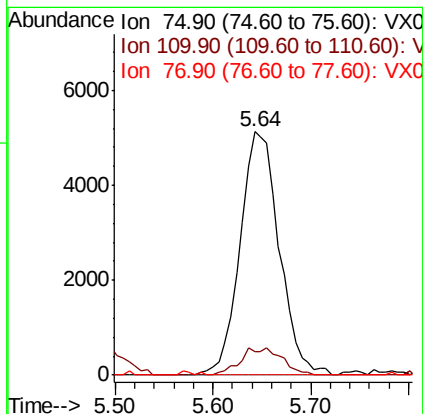
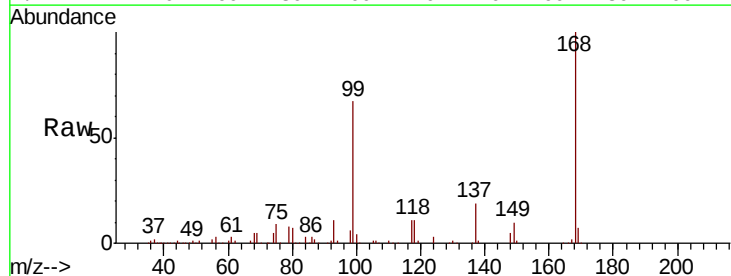
RT: 5.64 min Scan# 780

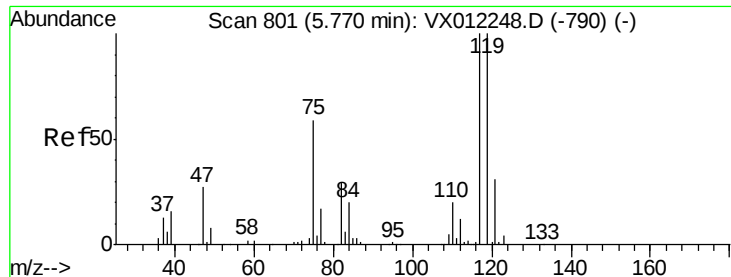
Delta R.T. -0.15 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	16.8	50.4#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 7.696 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(1.5)

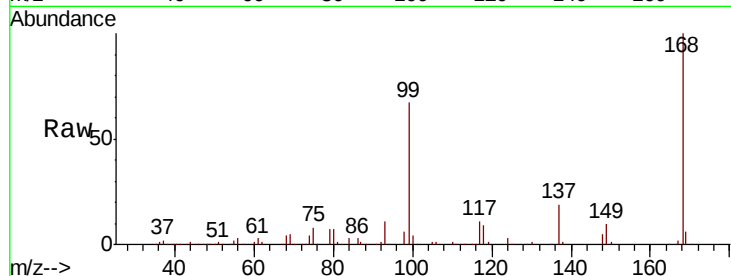
Tgt Ion:117 Resp: 18480

Ion Ratio Lower Upper

117 100

119 4.8 79.6 119.4#

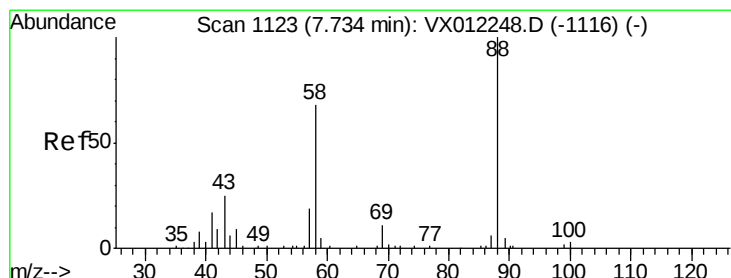
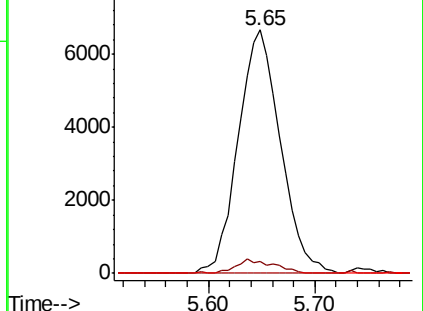
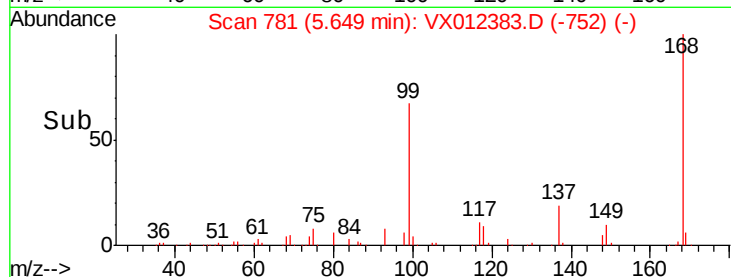
121 0.0 24.7 37.1#



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: 1.393 ug/l

RT: 7.69 min Scan# 1116

Delta R.T. -0.04 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

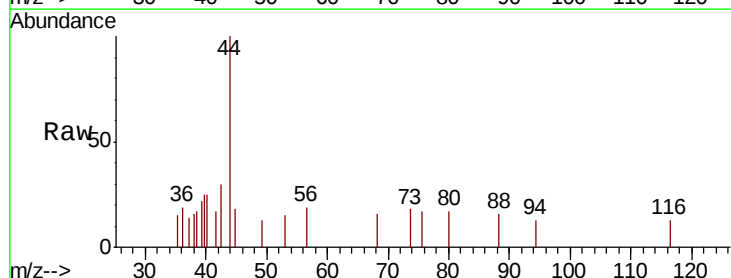
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

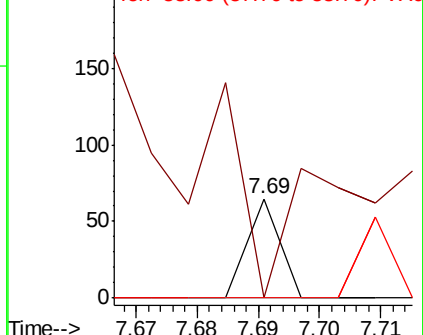
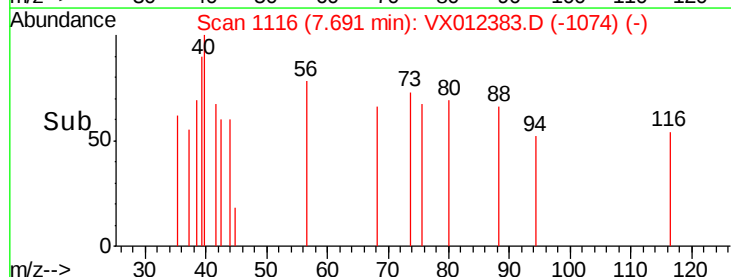
58 0.0 61.5 92.3#

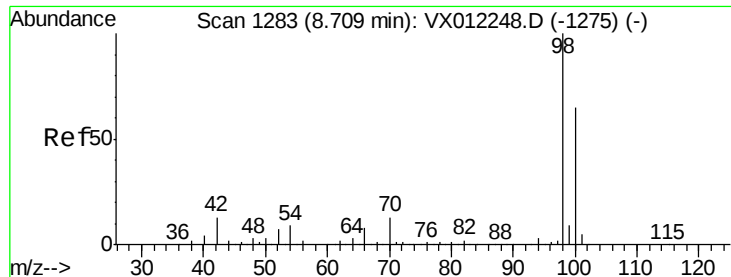


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

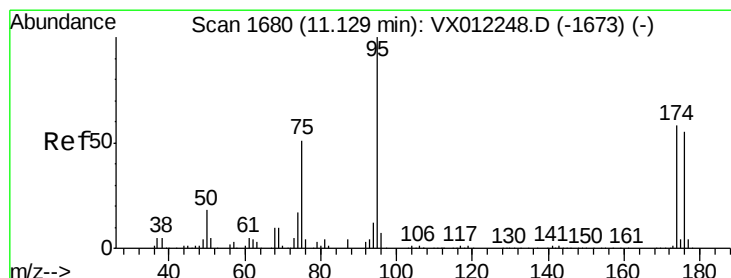
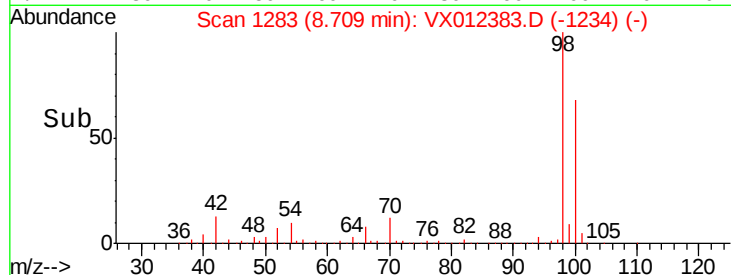
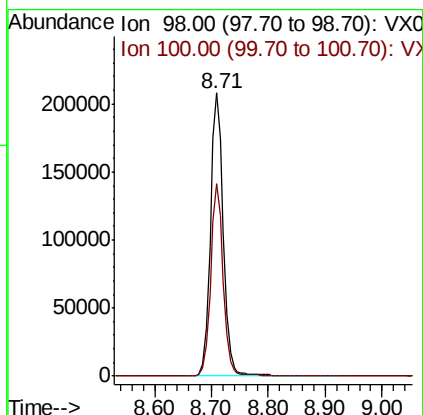
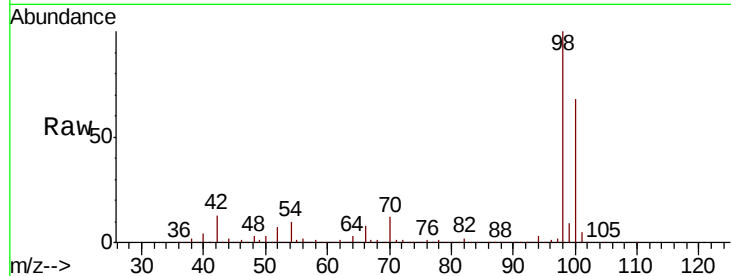




#50
Toluene-d8
Concen: 51.898 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012383.D
Acq: 13 Sep 2019 13:34

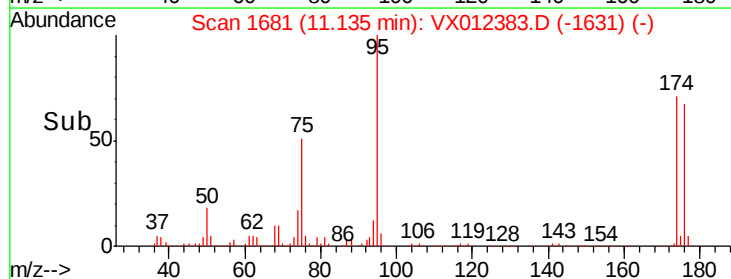
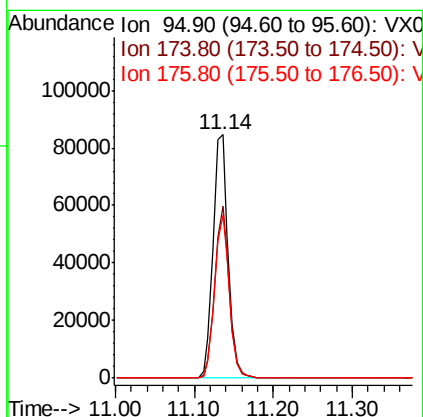
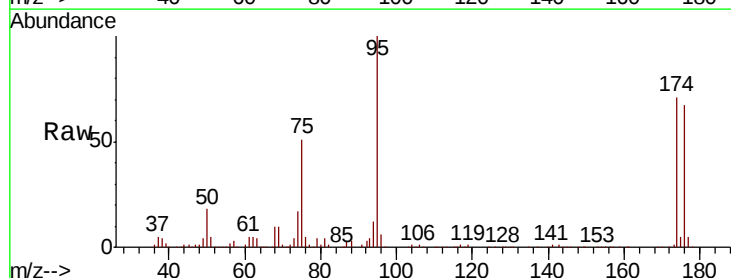
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(1.5)

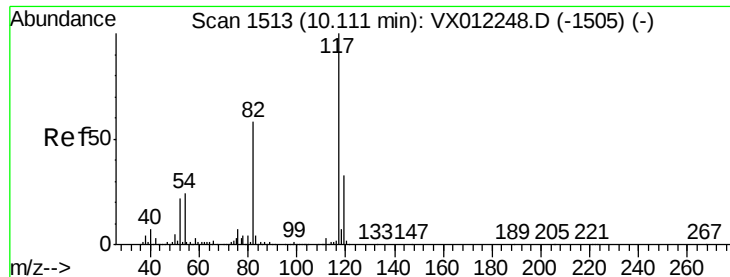
Tgt Ion: 98 Resp: 327502
Ion Ratio Lower Upper
98 100
100 66.2 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 38.448 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012383.D
Acq: 13 Sep 2019 13:34

Tgt Ion: 95 Resp: 112483
Ion Ratio Lower Upper
95 100
174 67.9 0.0 127.0
176 65.8 0.0 125.8

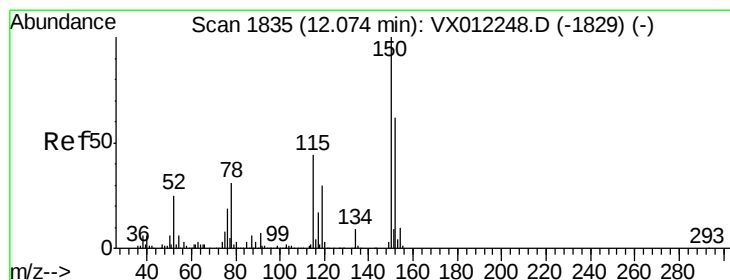
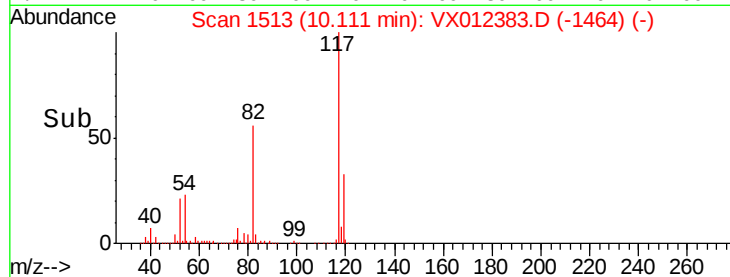
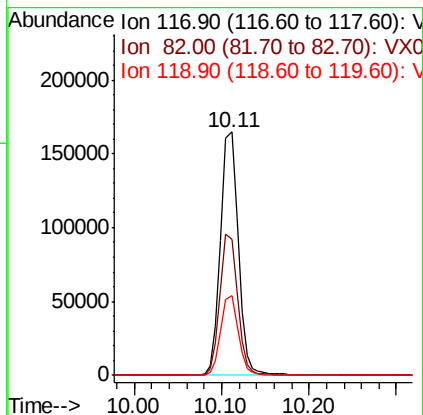
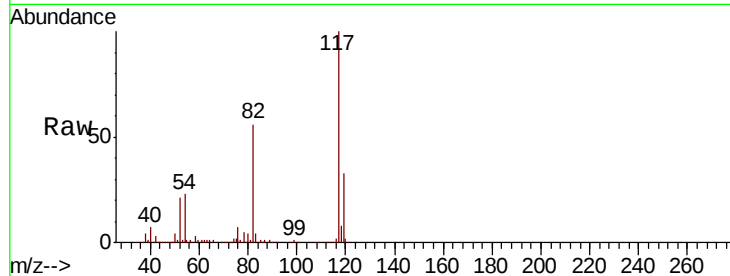




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012383.D
Acq: 13 Sep 2019 13:34

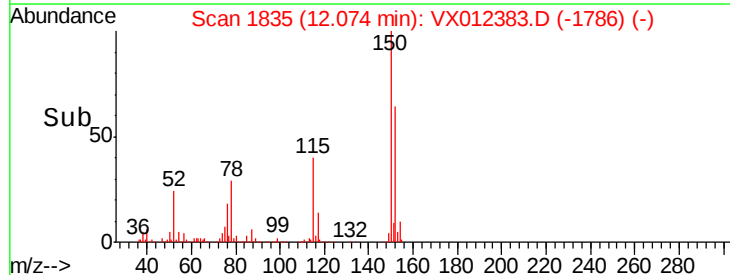
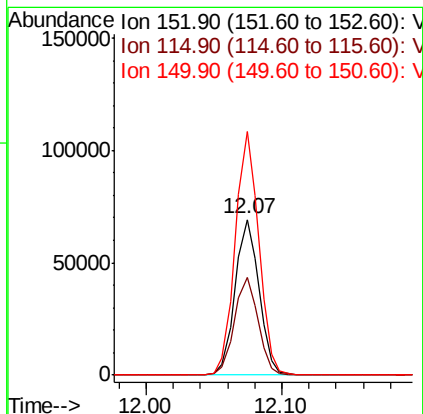
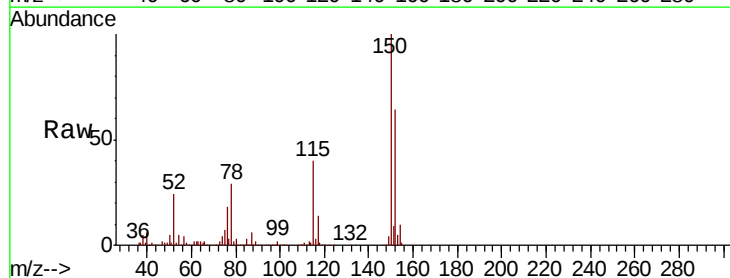
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(1.5)

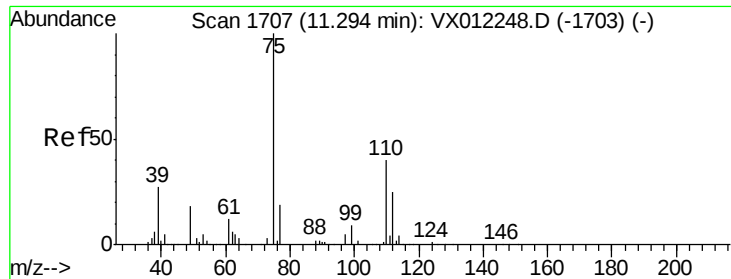
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.4	69.6
119	32.7	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012383.D
Acq: 13 Sep 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	45.5	136.4
150	153.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 52.721 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

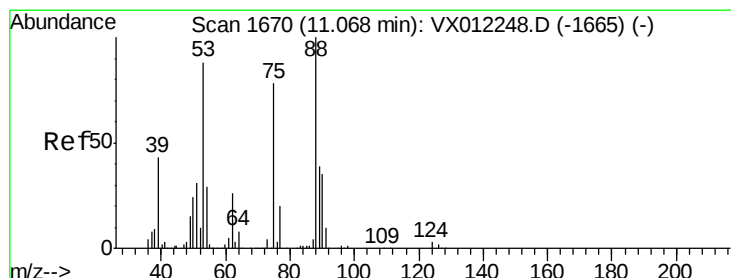
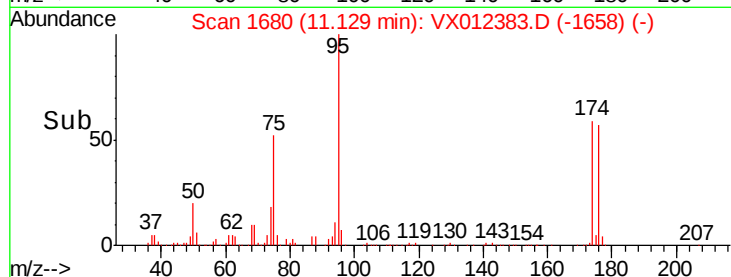
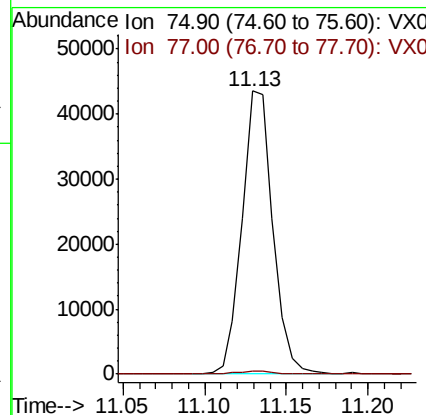
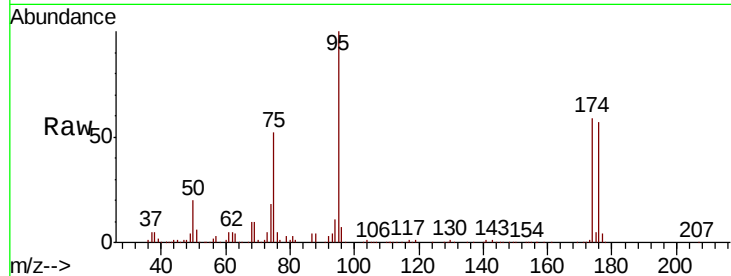
T3-2-(1.5)

Tgt Ion: 75 Resp: 57513

Ion Ratio Lower Upper

75 100

77 1.2 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.965 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012383.D

Acq: 13 Sep 2019 13:34

Tgt Ion: 75 Resp: 57513

Ion Ratio Lower Upper

75 100

53 0.4 88.1 132.1#

89 0.0 43.5 65.3#

