

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011983.D
 Acq On : 01 Sep 2019 07:17
 Operator : SY/SP
 Sample : K4527-09
 Misc : 6.37g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-N4-(0)

Quant Time: Sep 02 01:26:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	416569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	541213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	454410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	207550	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	170291	42.67	ug/l	0.00
Spiked Amount			Recovery	=	85.34%	
35) Dibromofluoromethane	5.48	113	157428	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
50) Toluene-d8	8.71	98	604034	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.13	95	202891	37.28	ug/l	0.00
Spiked Amount			Recovery	=	74.56%	

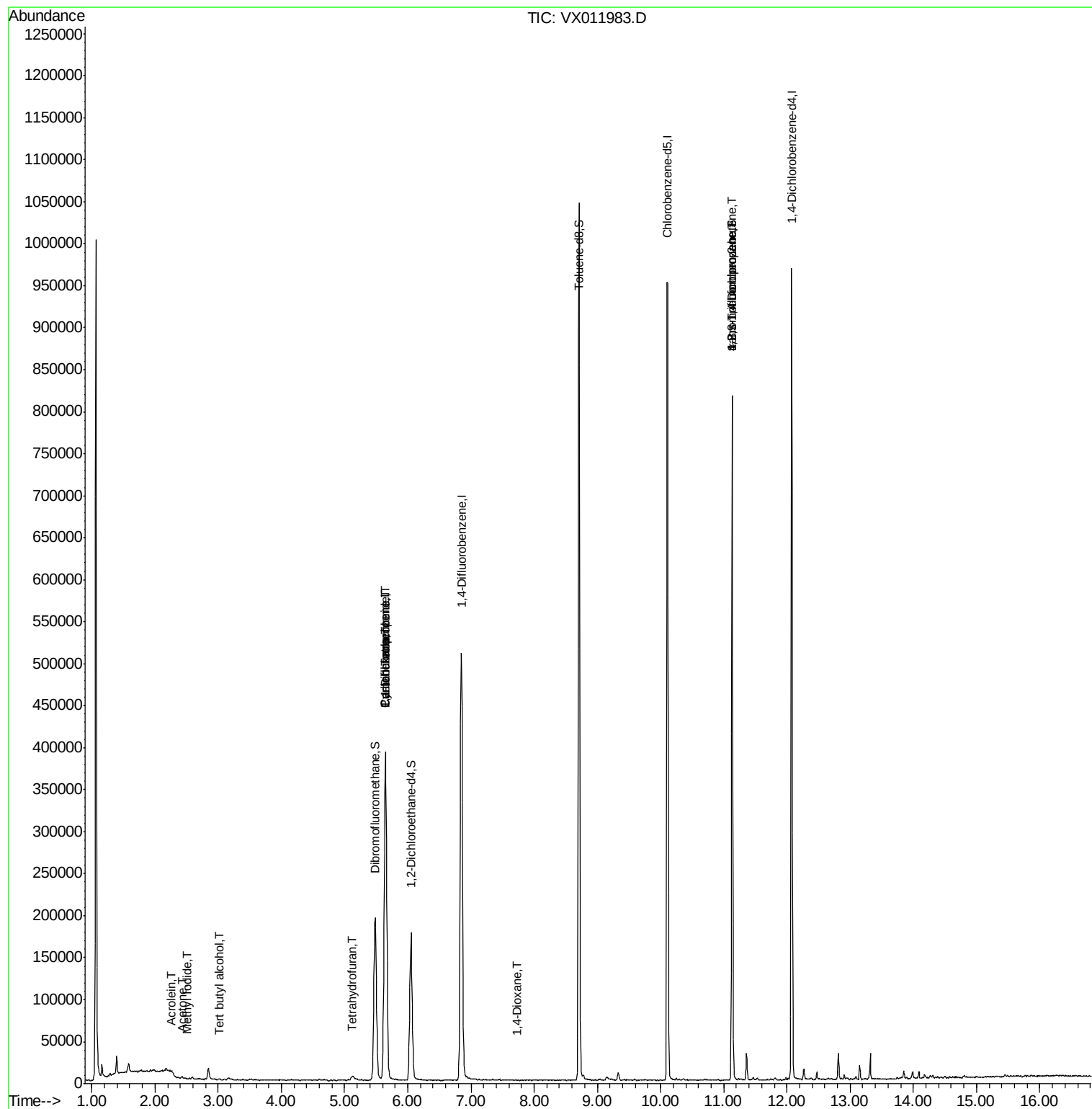
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	71	3.695	ug/l #	23
11) Tert butyl alcohol	3.02	59	590	1.537	ug/l #	64
13) Acrolein	2.27	56	253	1.324	ug/l #	13
16) Acetone	2.42	43	2234	2.602	ug/l	93
20) Methylene Chloride	2.84	84	6643	Below Cal		93
29) Tetrahydrofuran	5.12	42	5780	7.404	ug/l	95
31) Cyclohexane	5.64	56	7585	1.522	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	24920	5.812	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35341	7.107	ug/l #	16
49) 1,4-Dioxane	7.73	88	43	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	101066	49.501	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	101066	124.356	ug/l #	11

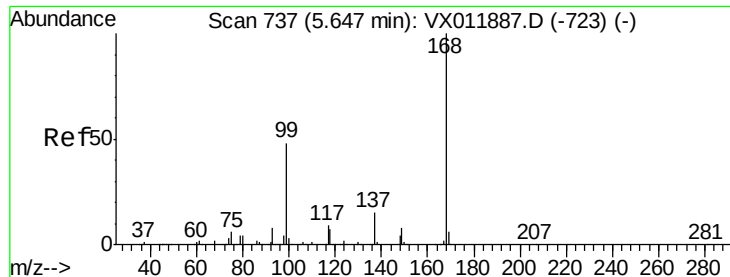
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
Data File : VX011983.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
T9-12-13-N4-(0)

Quant Time: Sep 02 01:26:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 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: VX011983.D

Acq: 01 Sep 2019 07:17

Instrument :

MSVOA_X

ClientSampleId :

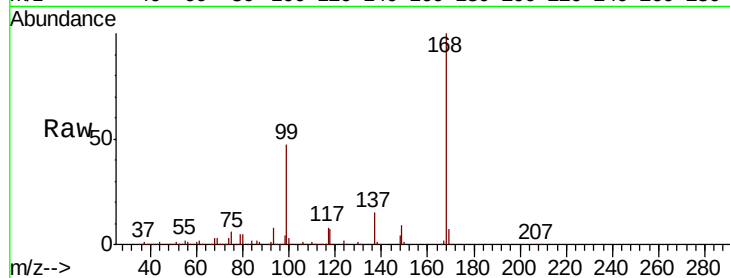
T9-12-13-N4-(0)

Tgt Ion:168 Resp: 416569

Ion Ratio Lower Upper

168 100

99 47.4 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

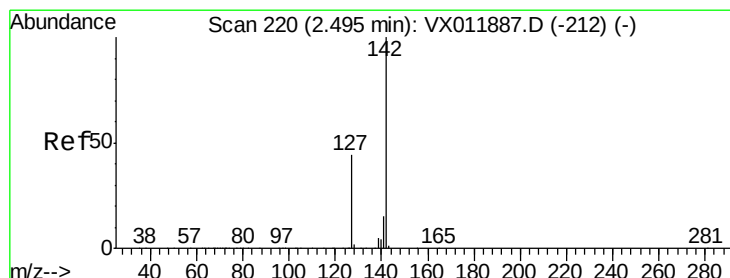
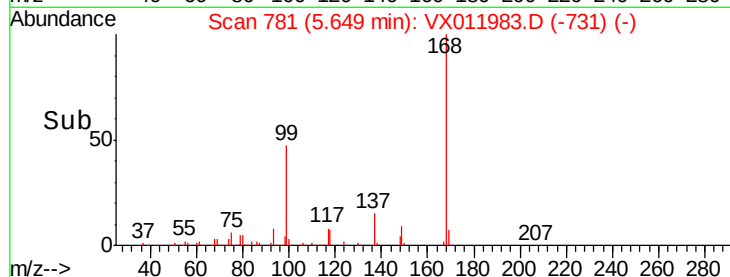
100000

50000

0

5.50 5.60 5.70

Time-->



#10

Methyl Iodide

Concen: 3.695 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

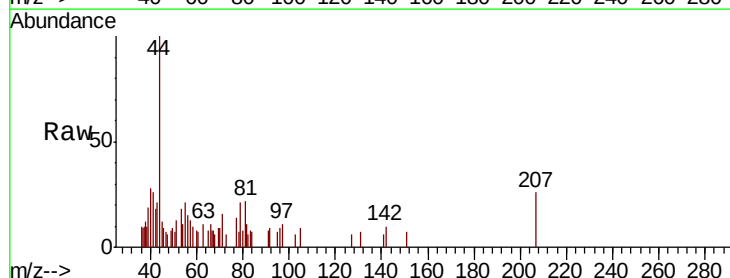
Tgt Ion:142 Resp: 71

Ion Ratio Lower Upper

142 100

127 74.6 35.7 53.5#

141 85.9 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

60

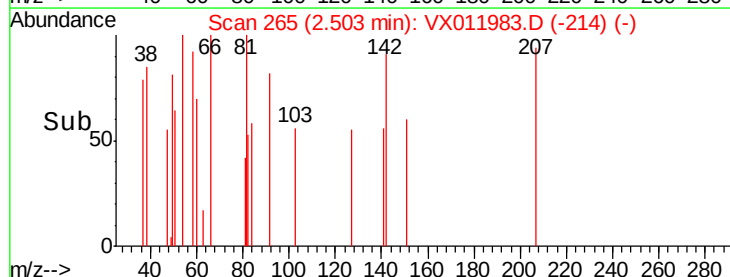
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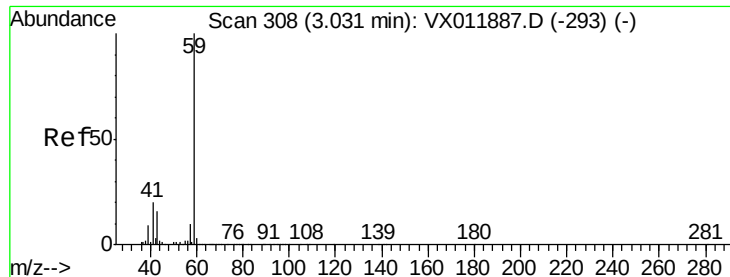
20

0

2.48 2.50 2.52

Time-->

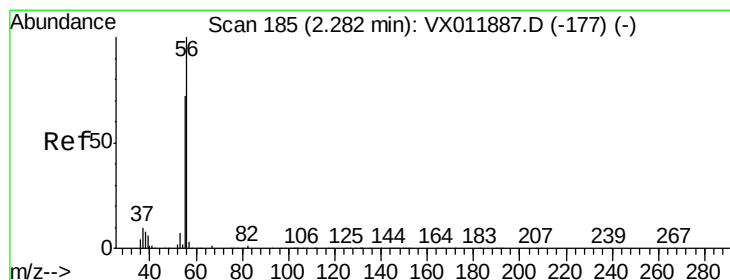
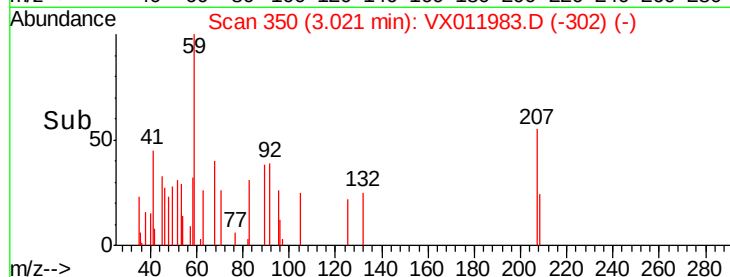
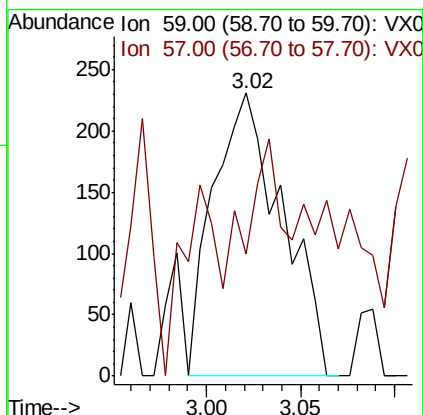
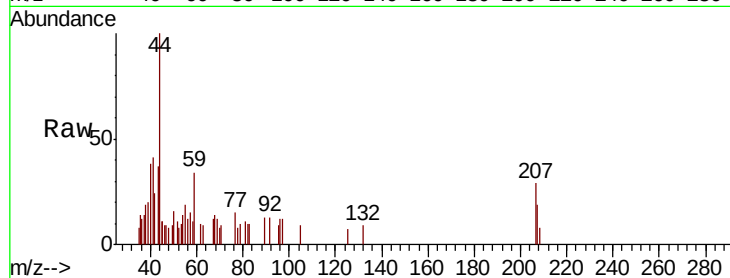




#11
Tert butyl alcohol
Concen: 1.537 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

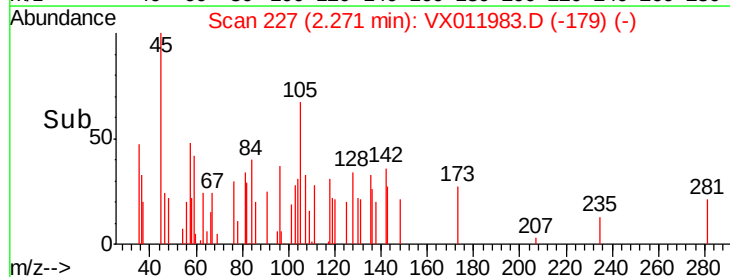
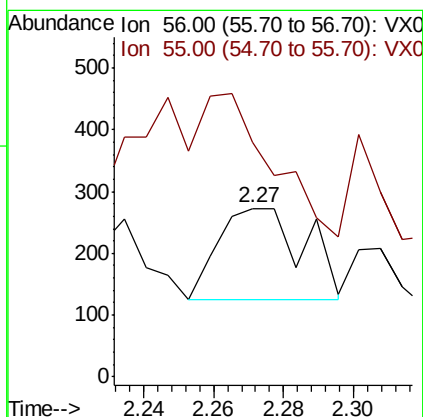
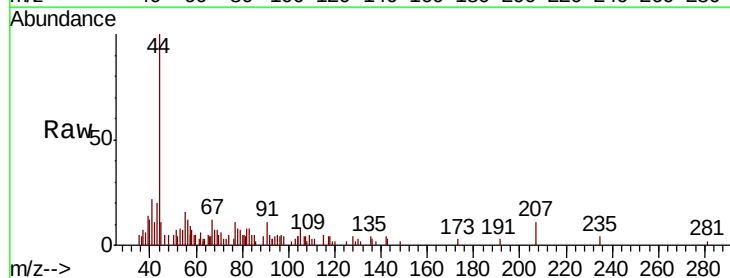
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N4-(0)

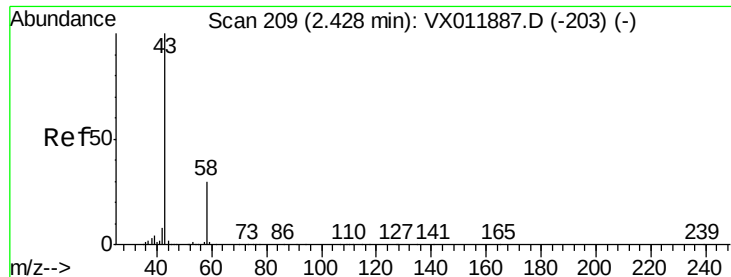
Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 24.2 8.6 12.8#



#13
Acrolein
Concen: 1.324 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 0.0 58.6 88.0#





#16

Acetone

Concen: 2.602 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

Instrument :

MSVOA_X

ClientSampleId :

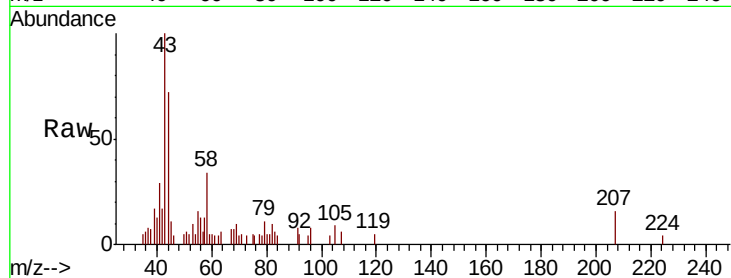
T9-12-13-N4-(0)

Tgt Ion: 43 Resp: 2234

Ion Ratio Lower Upper

43 100

58 33.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

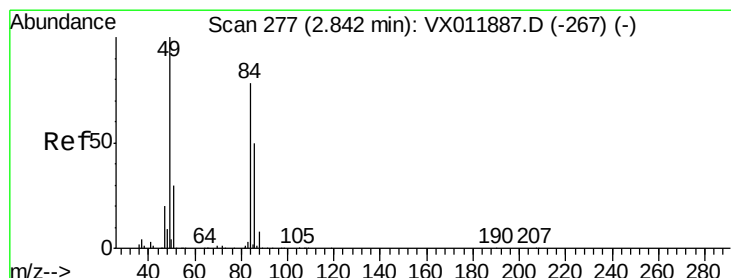
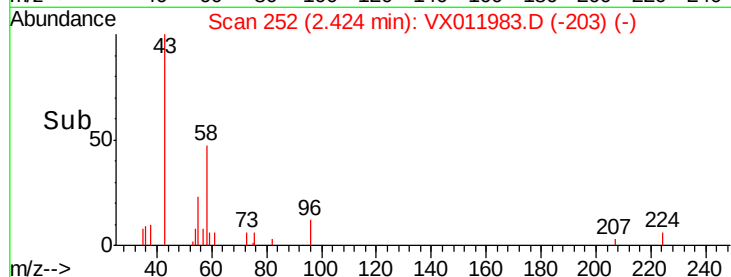
1000

500

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

Tgt Ion: 84 Resp: 6643

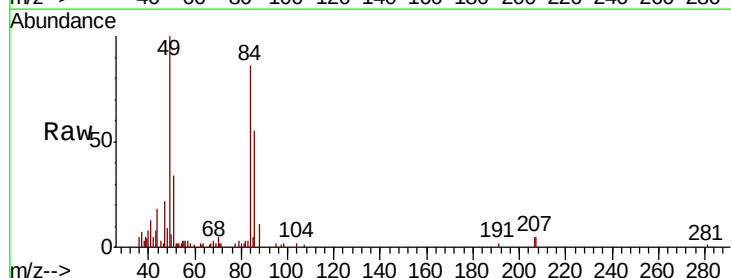
Ion Ratio Lower Upper

84 100

49 116.0 103.0 154.4

51 35.4 30.8 46.2

86 64.1 51.3 76.9



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

5000

4000

3000

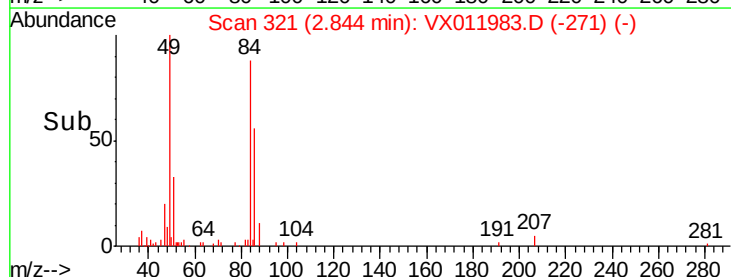
2000

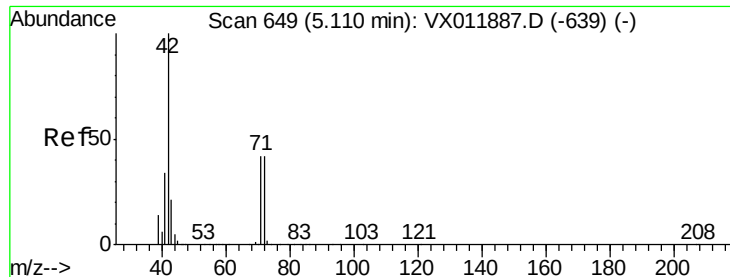
1000

0

2.75 2.80 2.85 2.90

Time-->

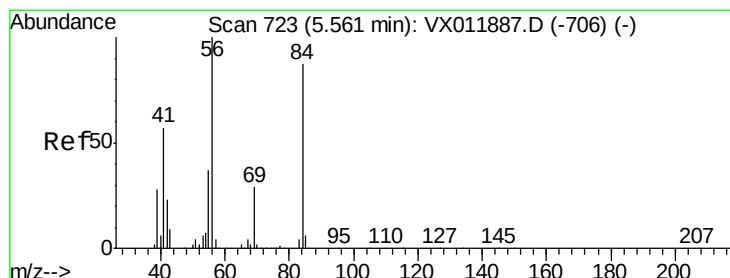
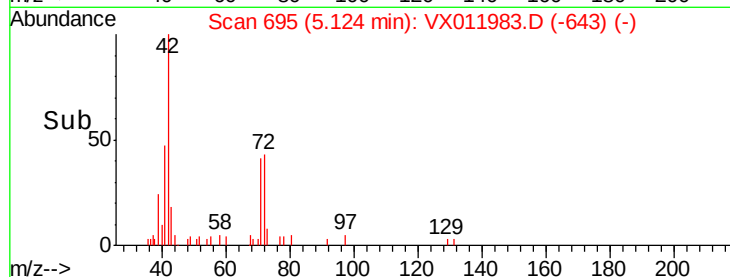
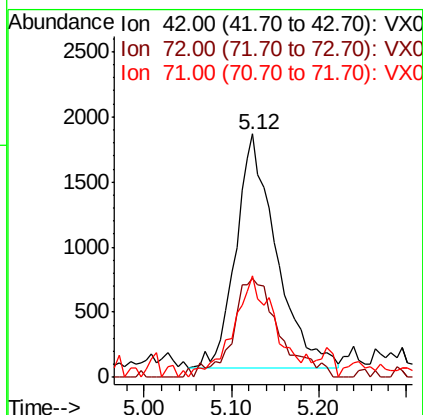
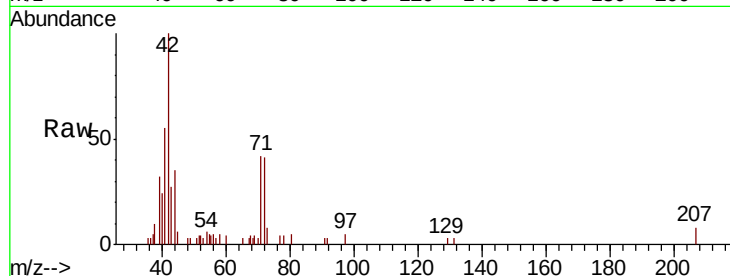




#29
Tetrahydrofuran
Concen: 7.404 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

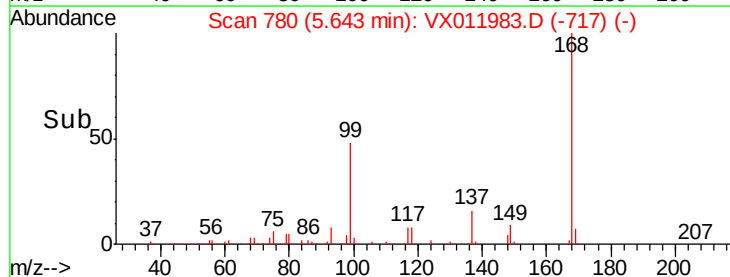
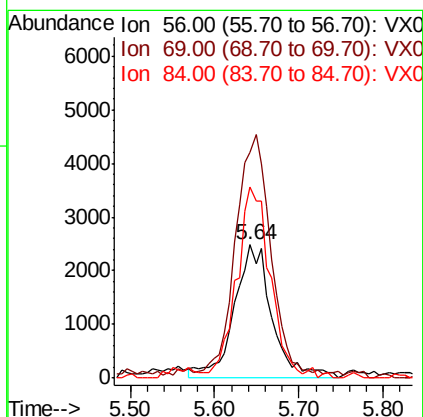
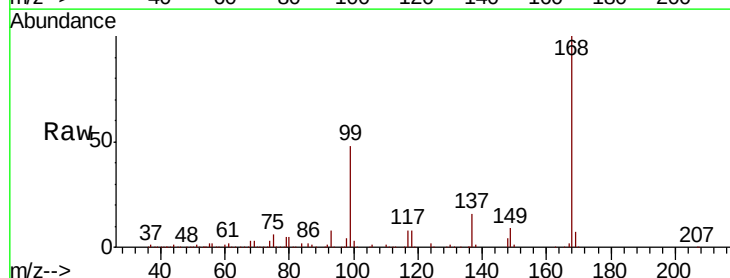
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N4-(0)

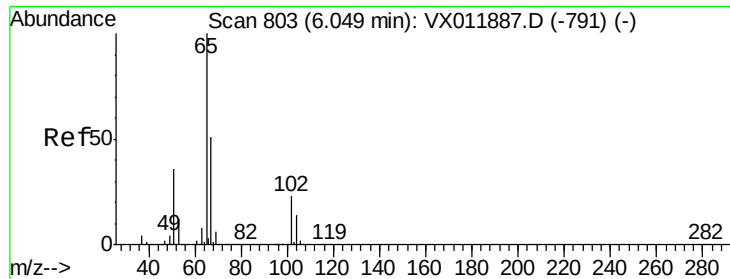
Tgt Ion: 42 Resp: 5780
Ion Ratio Lower Upper
42 100
72 49.0 36.2 54.4
71 43.8 33.1 49.7



#31
Cyclohexane
Concen: 1.522 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

Tgt Ion: 56 Resp: 7585
Ion Ratio Lower Upper
56 100
69 164.3 23.1 34.7#
84 143.5 69.6 104.4#

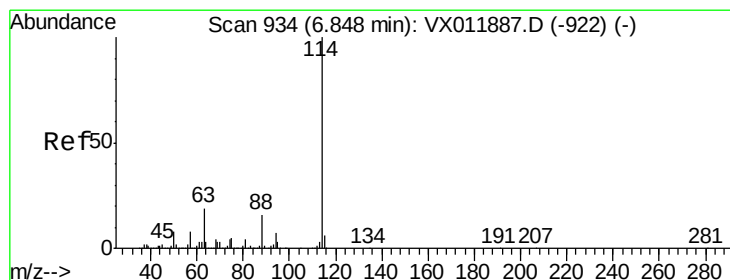
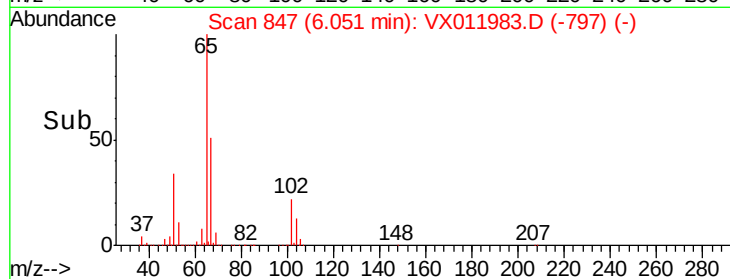
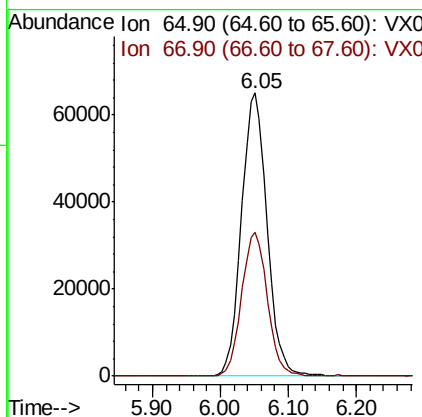
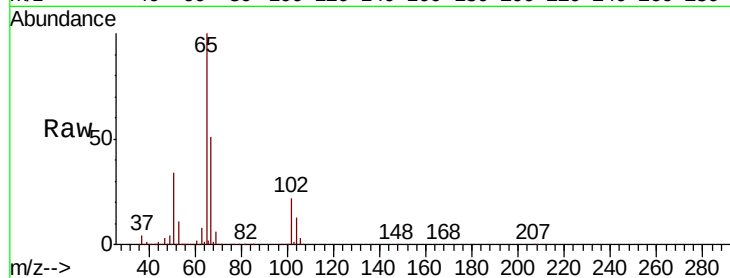




#33
 1,2-Dichloroethane-d4
 Concen: 42.667 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011983.D
 Acq: 01 Sep 2019 07:17

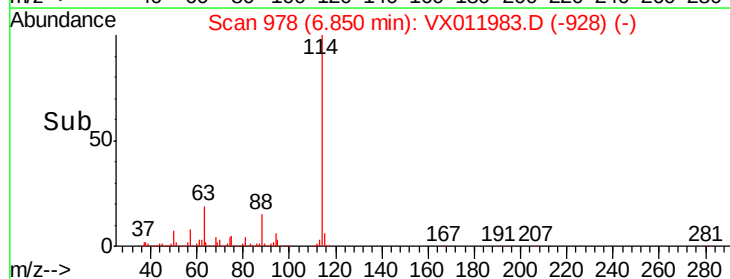
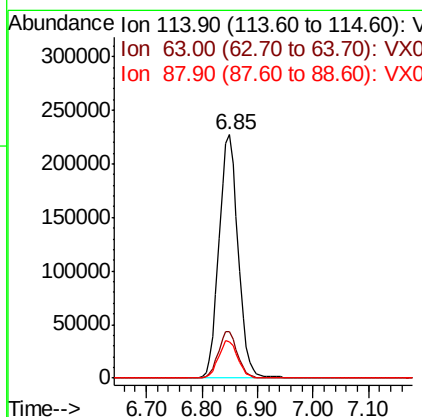
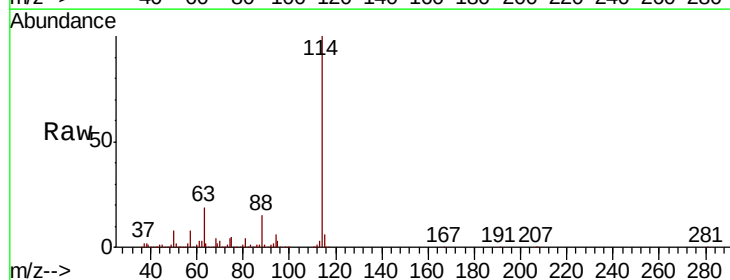
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-N4-(0)

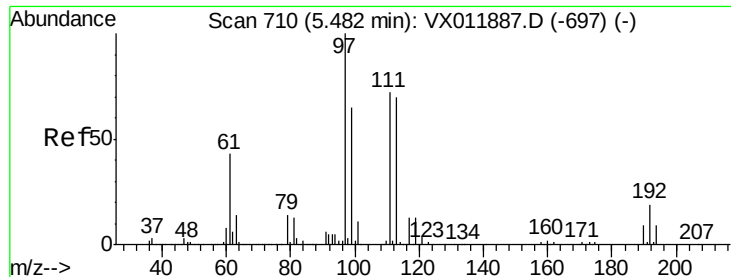
Tgt Ion: 65 Resp: 170291
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011983.D
 Acq: 01 Sep 2019 07:17

Tgt Ion: 114 Resp: 541213
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.8
 88 15.0 0.0 31.2

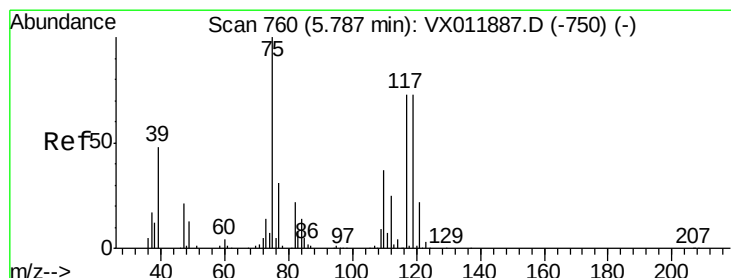
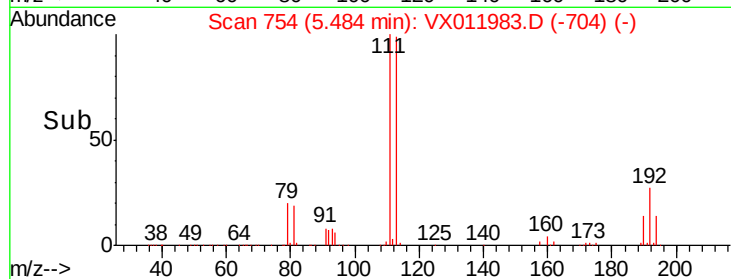
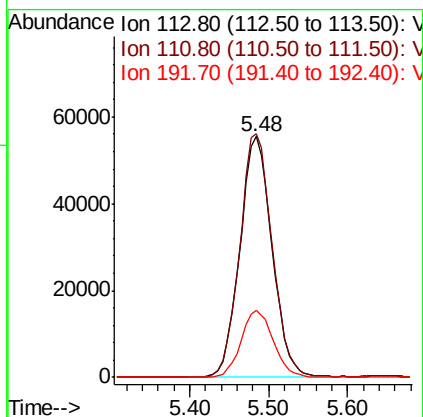
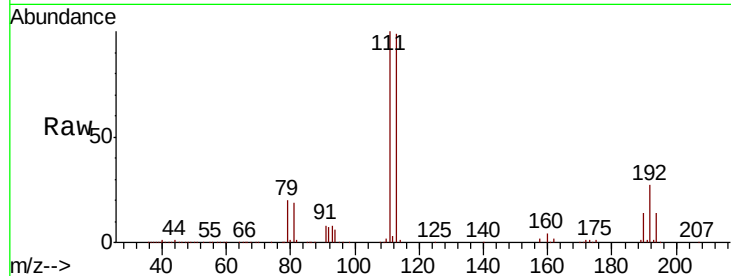




#35
 Dibromofluoromethane
 Concen: 45.362 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011983.D
 Acq: 01 Sep 2019 07:17

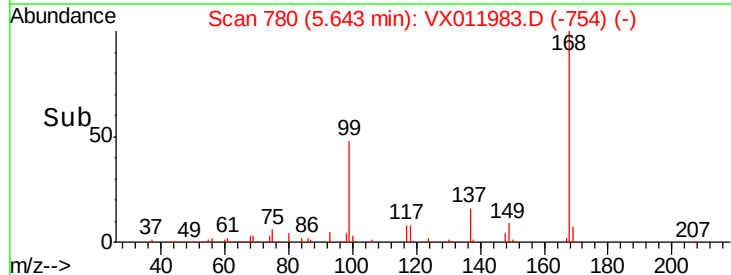
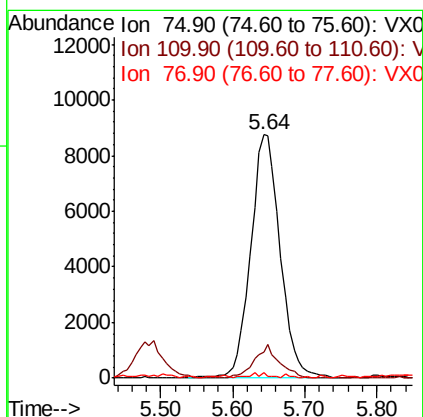
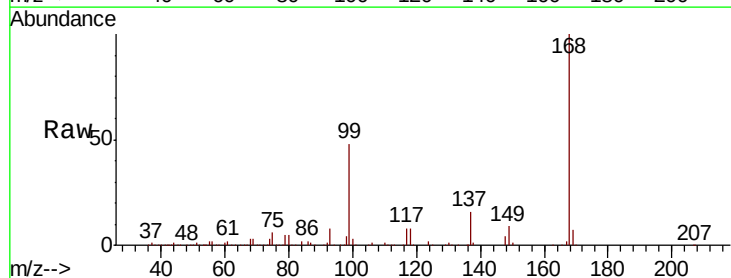
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-N4-(0)

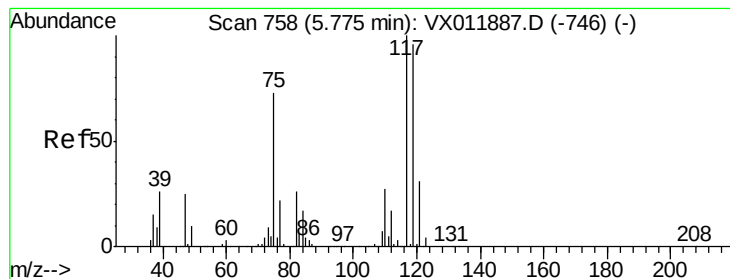
Tgt Ion: 113 Resp: 157428
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.1 123.1
 192 28.0 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.812 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.14 min
 Lab File: VX011983.D
 Acq: 01 Sep 2019 07:17

Tgt Ion: 75 Resp: 24920
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.1 57.3#
 77 1.2 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.107 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-N4-(0)

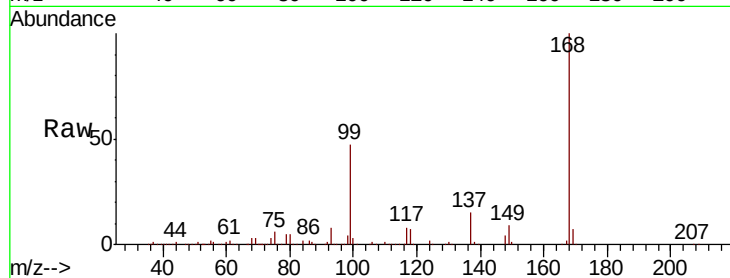
Tgt Ion:117 Resp: 35341

Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

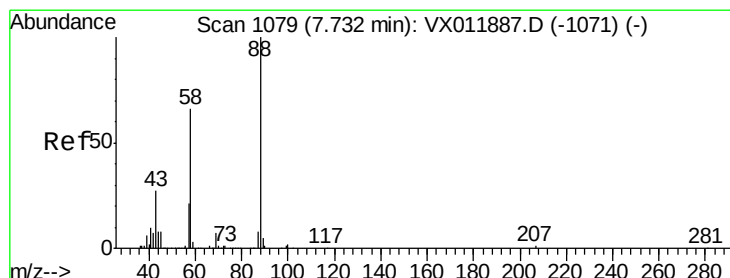
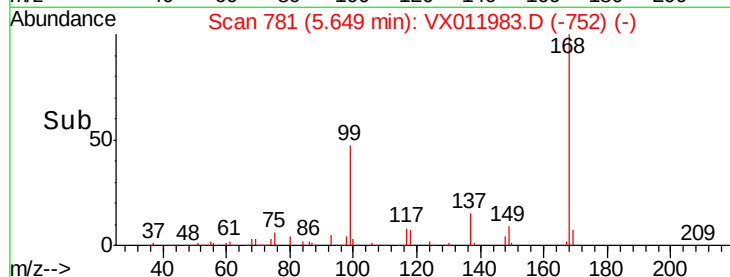
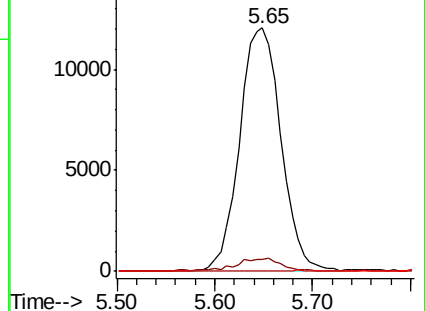
121 0.0 24.7 37.1#



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: 1.249 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

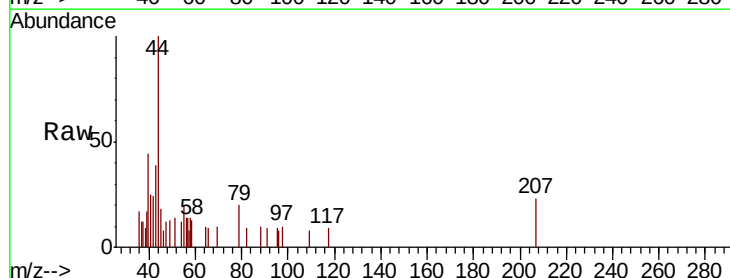
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 483.7 27.3 40.9#

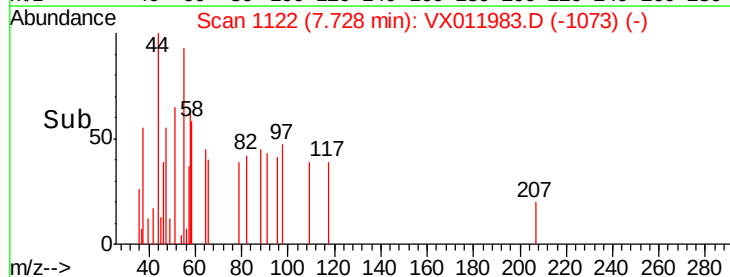
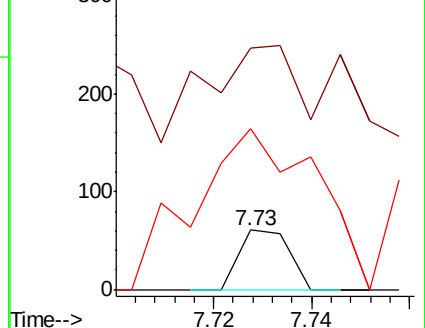
58 665.1 53.9 80.9#

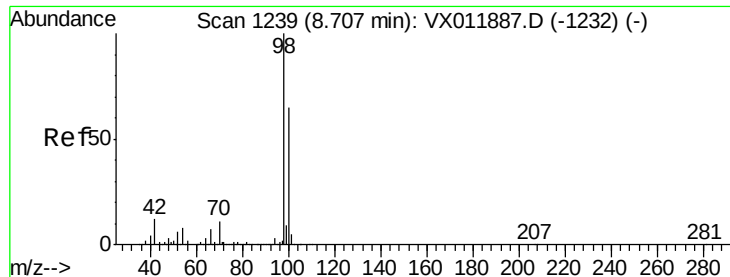


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

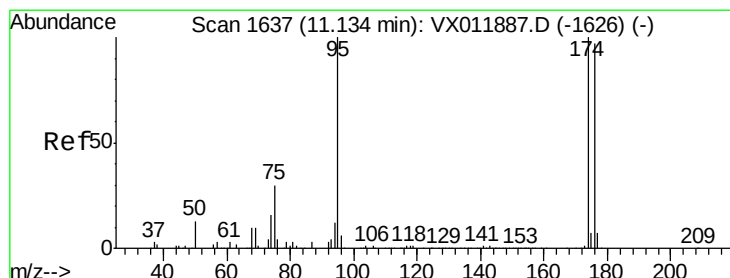
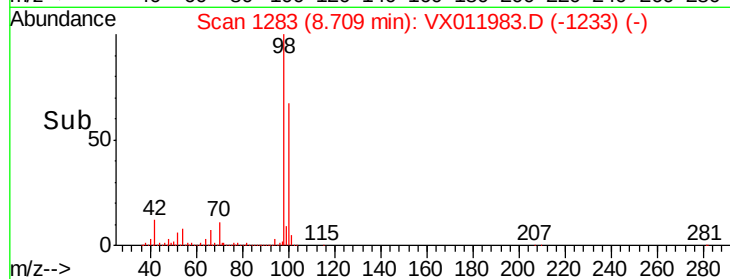
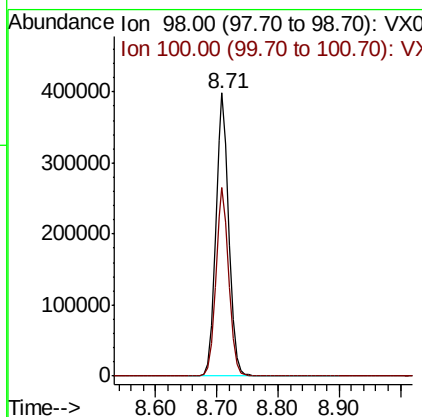
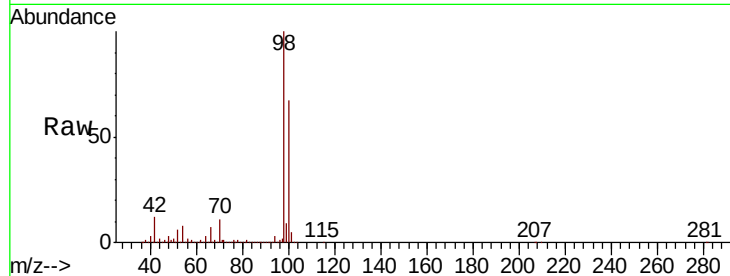




#50
Toluene-d8
Concen: 48.689 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

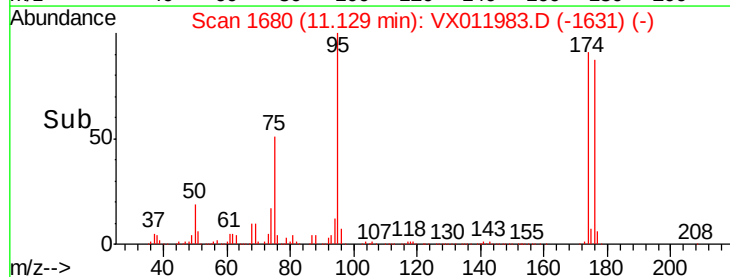
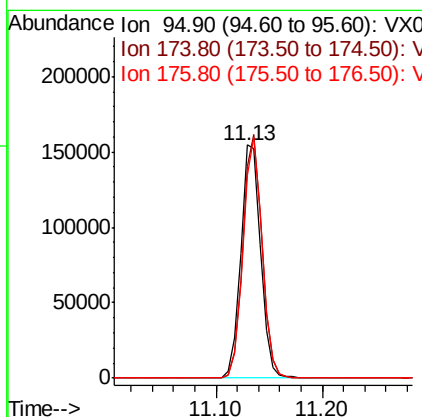
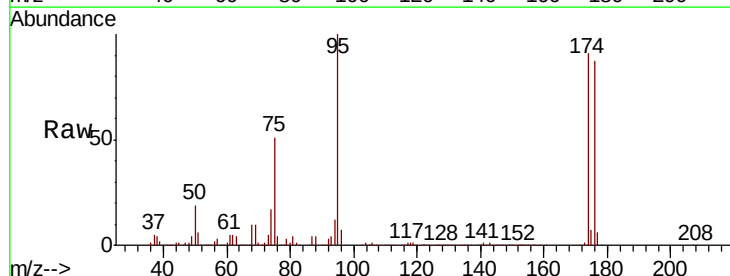
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N4-(0)

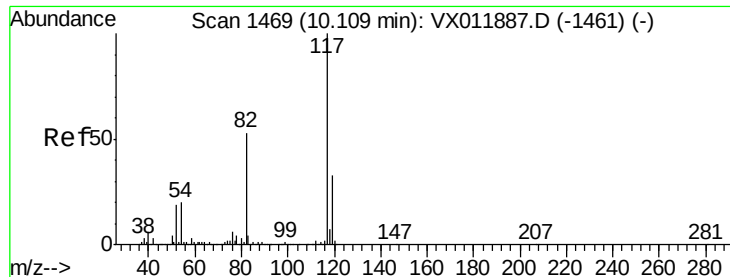
Tgt Ion: 98 Resp: 604034
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 37.282 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

Tgt Ion: 95 Resp: 202891
Ion Ratio Lower Upper
95 100
174 100.3 0.0 196.0
176 98.9 0.0 191.4

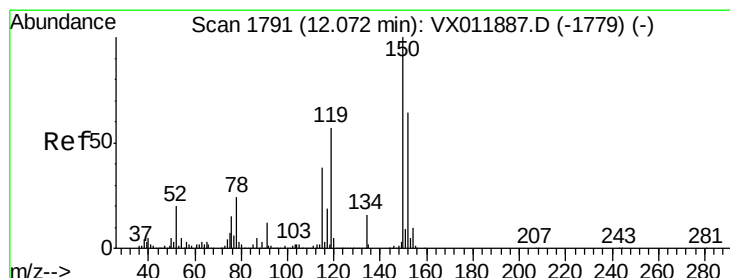
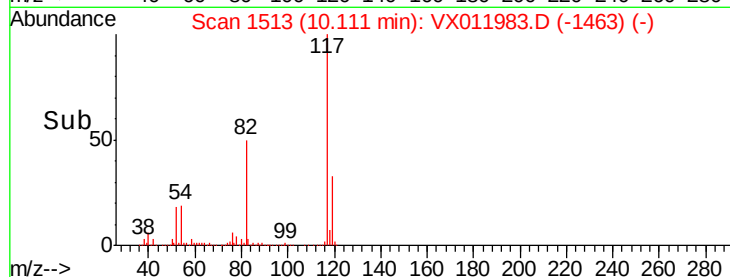
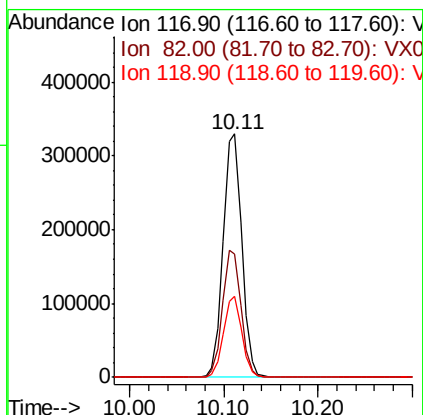
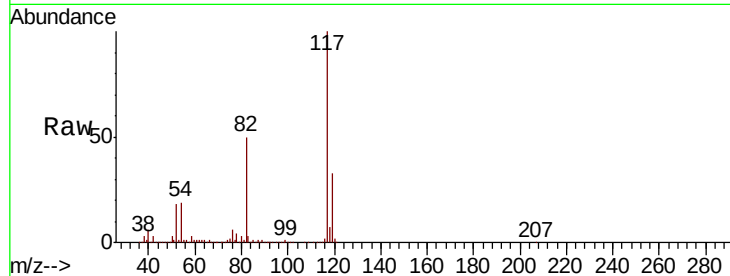




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

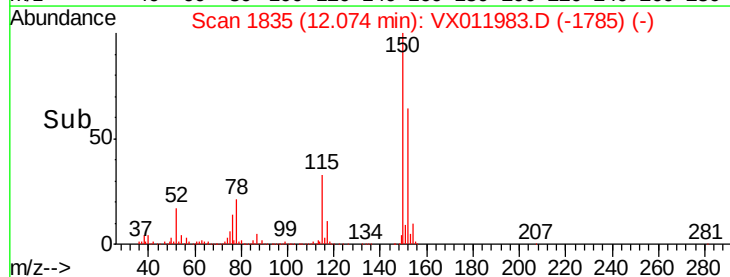
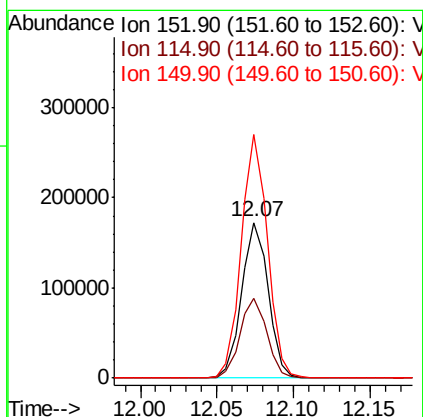
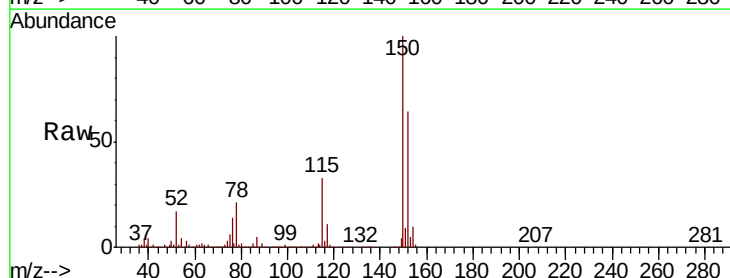
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N4-(0)

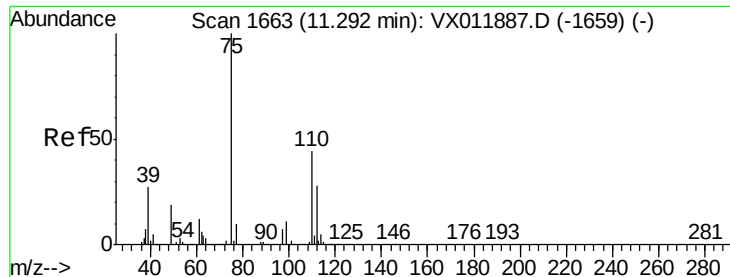
Tgt Ion:117 Resp: 454410
Ion Ratio Lower Upper
117 100
82 50.5 42.0 63.0
119 33.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011983.D
Acq: 01 Sep 2019 07:17

Tgt Ion:152 Resp: 207550
Ion Ratio Lower Upper
152 100
115 52.0 37.1 111.3
150 154.4 0.0 339.6





#76

1,2,3-Trichloropropane

Concen: 49.501 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

Instrument :

MSVOA_X

ClientSampleId :

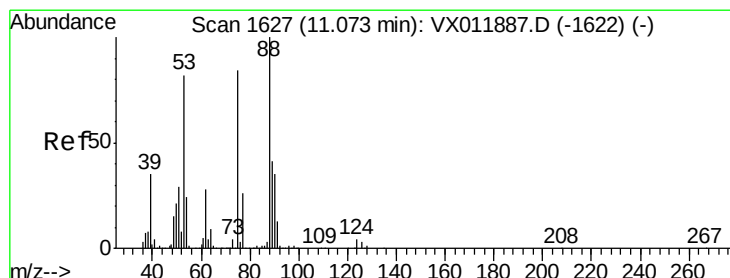
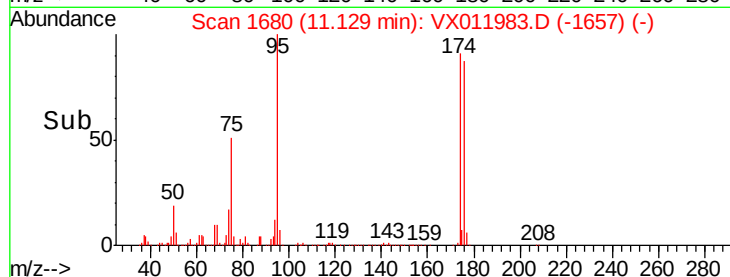
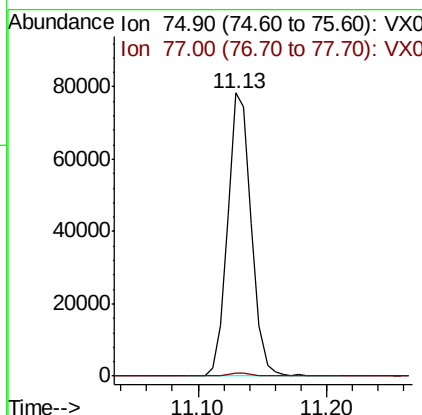
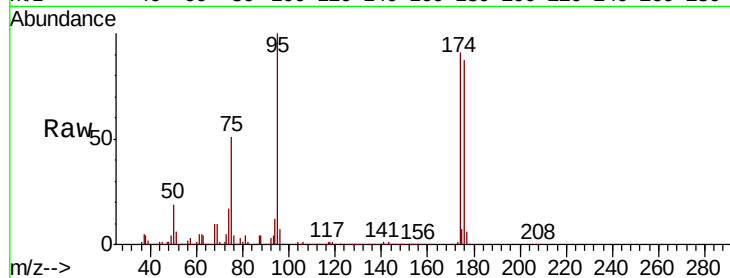
T9-12-13-N4-(0)

Tgt Ion: 75 Resp: 101066

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.356 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011983.D

Acq: 01 Sep 2019 07:17

Tgt Ion: 75 Resp: 101066

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.2 57.2#

