

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX011999.D
 Acq On : 01 Sep 2019 18:27
 Operator : SY/SP
 Sample : K4529-02
 Misc : 2.99g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-T3-(0)

Quant Time: Sep 02 03:56:01 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	424998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	550466	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	238464	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	170821	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	
35) Dibromofluoromethane	5.48	113	157042	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
50) Toluene-d8	8.71	98	612814	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.14	95	219437	39.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.28%	

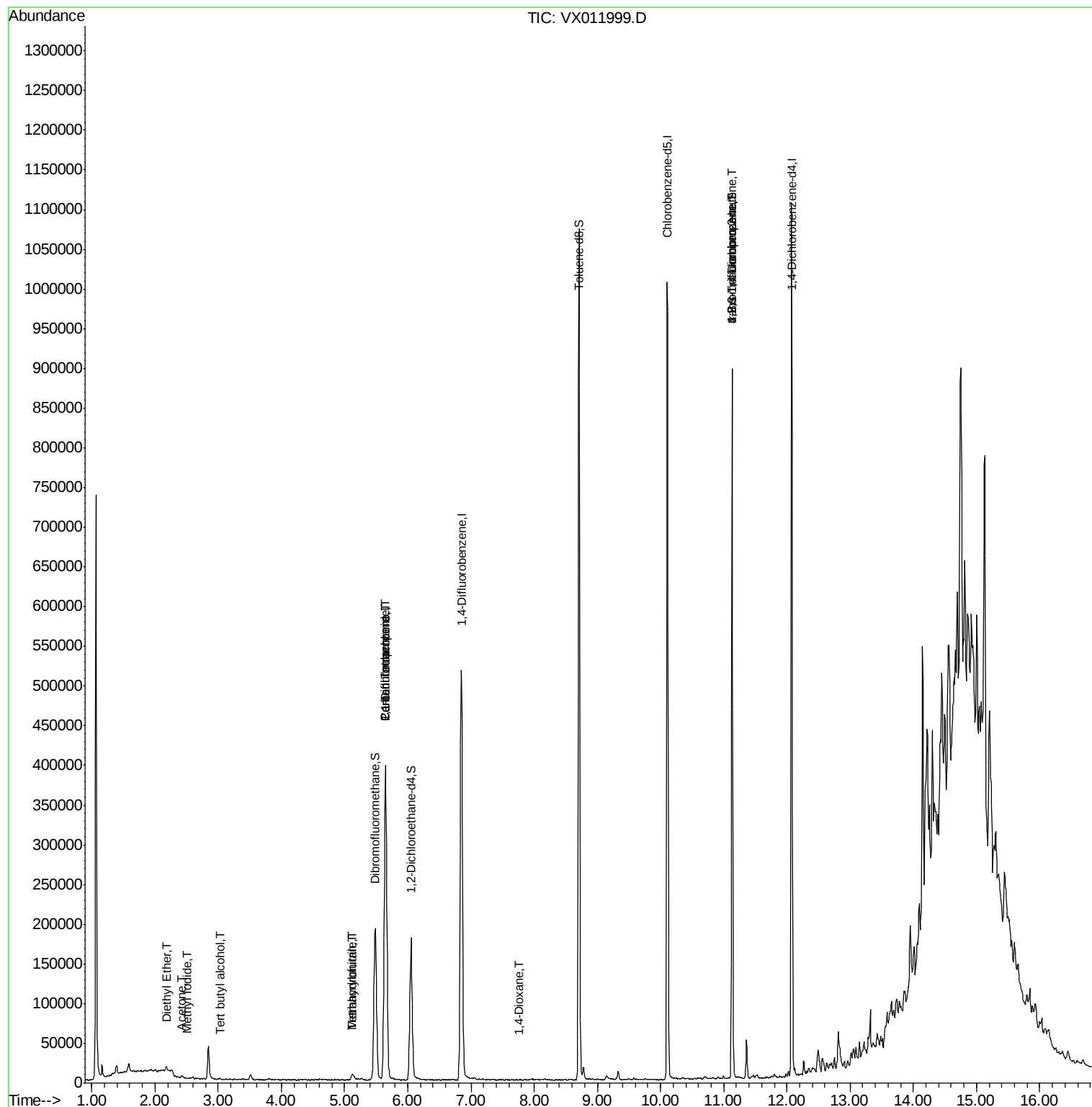
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1956	1.154	ug/l	82
10) Methyl Iodide	2.51	142	418	3.786	ug/l	93
11) Tert butyl alcohol	3.04	59	1055	2.693	ug/l #	78
16) Acetone	2.43	43	3989	4.553	ug/l	92
29) Tetrahydrofuran	5.12	42	7081	8.891	ug/l #	90
36) 1,1-Dichloropropene	5.65	75	24381	5.591	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36554	7.227	ug/l #	16
41) Methacrylonitrile	5.12	41	4227	2.781	ug/l #	27
49) 1,4-Dioxane	7.76	88	40	1.142	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	108767	46.367	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	108767	116.482	ug/l #	11

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

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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: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

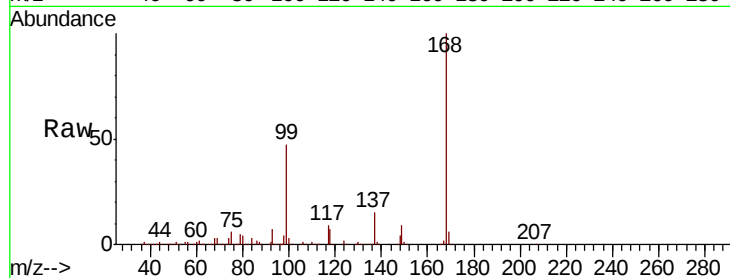
T9-12-13-T3-(0)

Tgt Ion:168 Resp: 424998

Ion Ratio Lower Upper

168 100

99 46.5 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

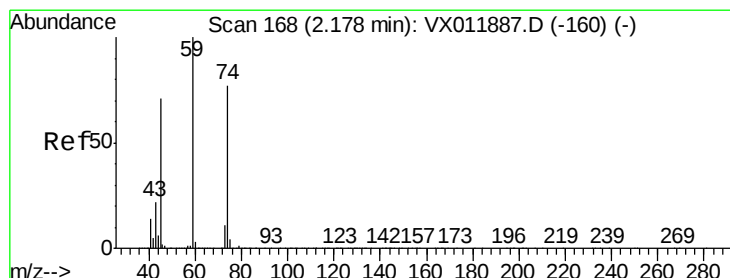
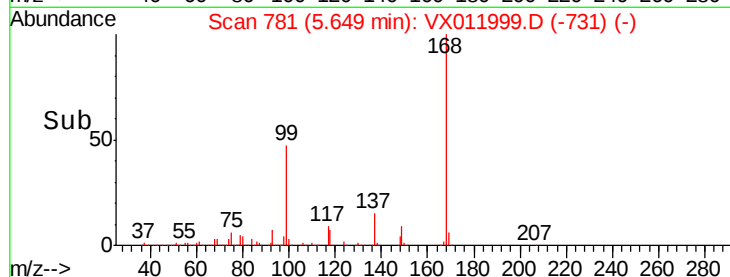
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.154 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011999.D

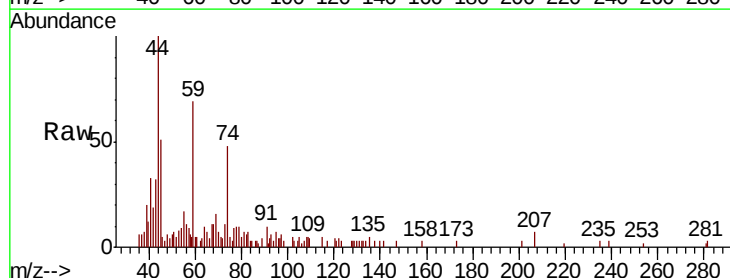
Acq: 01 Sep 2019 18:27

Tgt Ion: 74 Resp: 1956

Ion Ratio Lower Upper

74 100

45 76.1 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

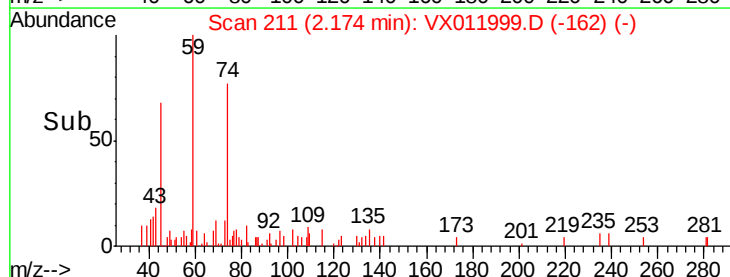
2.17

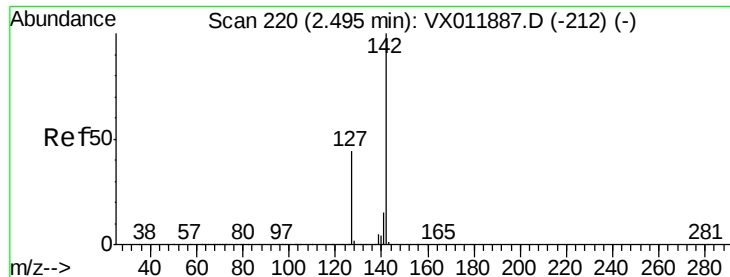
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.786 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T3-(0)

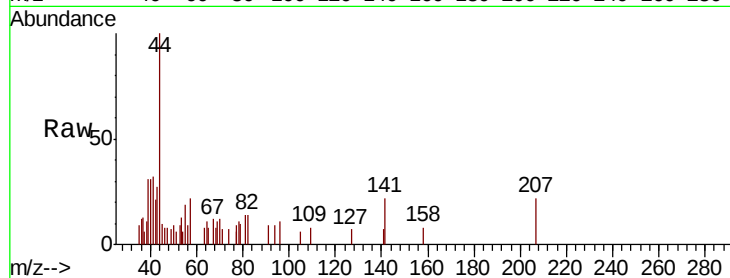
Tgt Ion:142 Resp: 418

Ion Ratio Lower Upper

142 100

127 50.5 35.7 53.5

141 14.4 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

250

200

150

100

50

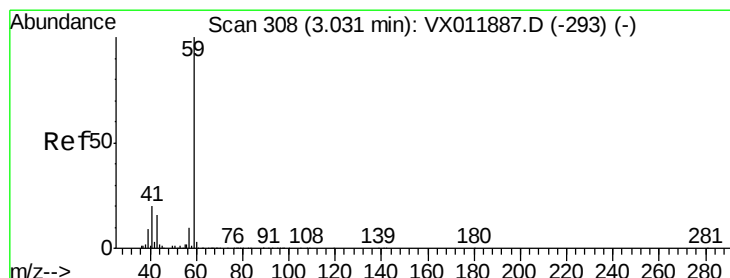
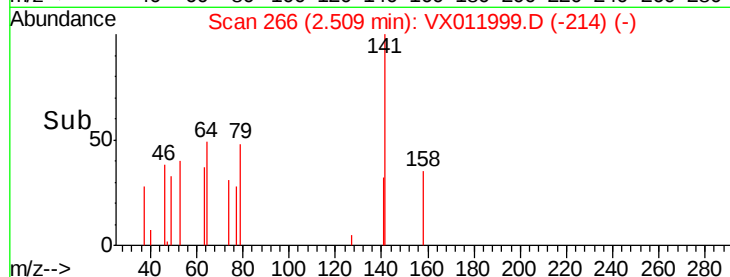
0

2.45

2.50

2.55

Time-->



#11

Tert butyl alcohol

Concen: 2.693 ug/l

RT: 3.04 min Scan# 353

Delta R.T. 0.01 min

Lab File: VX011999.D

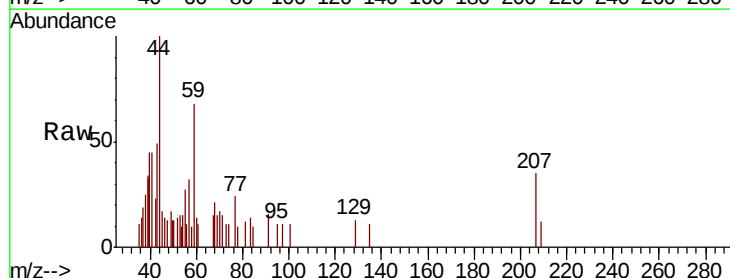
Acq: 01 Sep 2019 18:27

Tgt Ion: 59 Resp: 1055

Ion Ratio Lower Upper

59 100

57 19.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

400

300

200

100

0

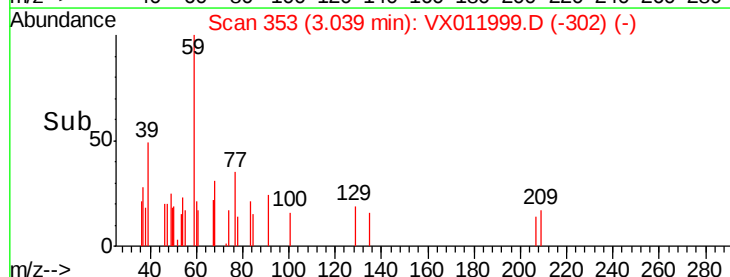
2.95

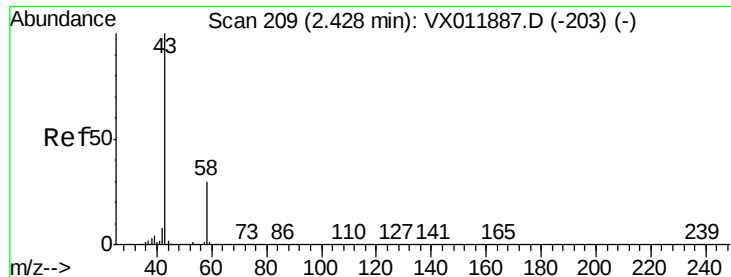
3.00

3.05

3.10

Time-->





#16

Acetone

Concen: 4.553 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

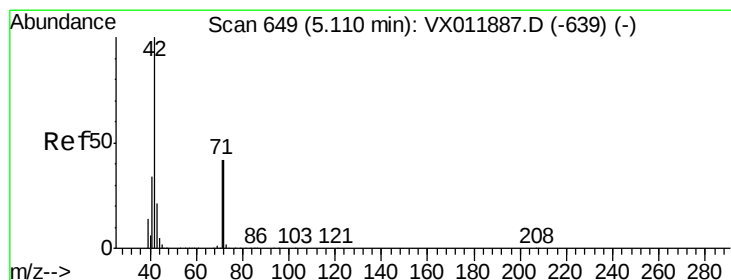
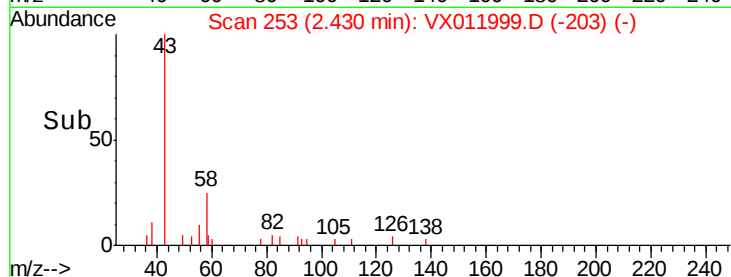
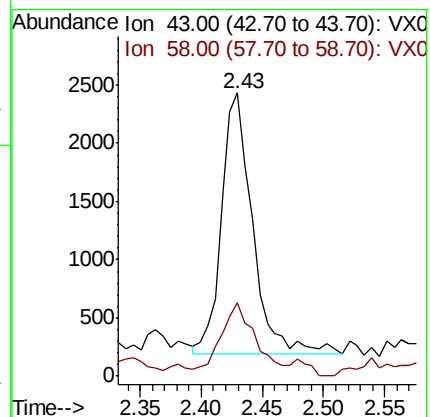
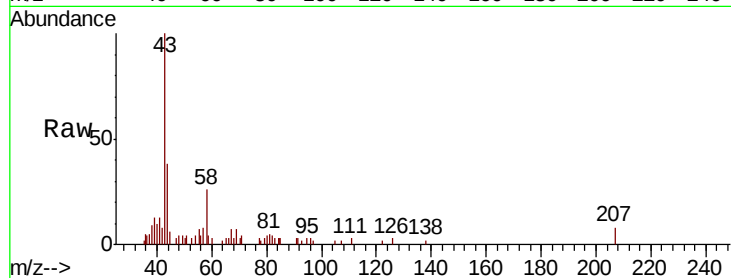
T9-12-13-T3-(0)

Tgt Ion: 43 Resp: 3989

Ion Ratio Lower Upper

43 100

58 25.5 23.8 35.8



#29

Tetrahydrofuran

Concen: 8.891 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

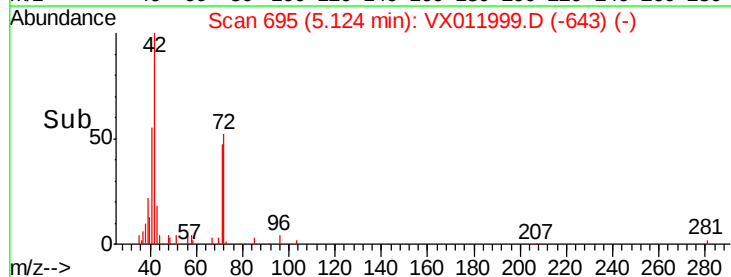
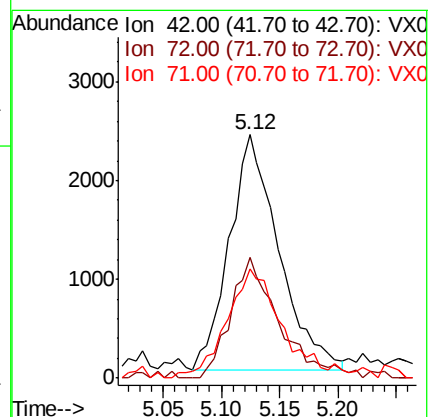
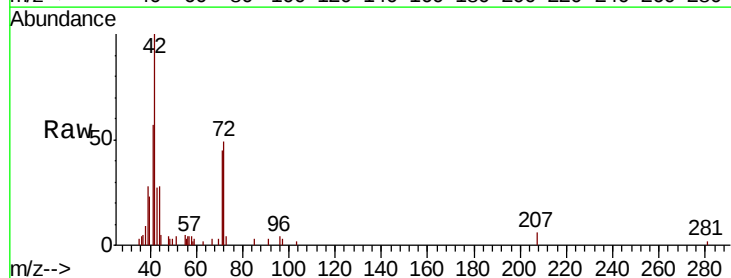
Tgt Ion: 42 Resp: 7081

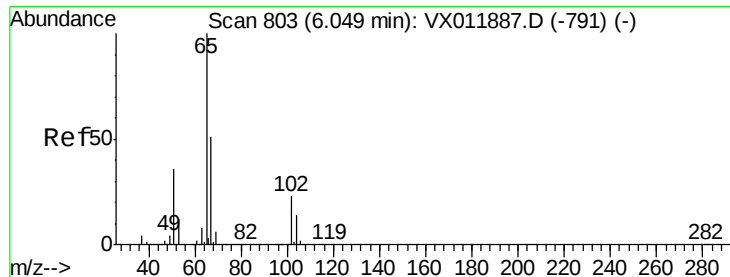
Ion Ratio Lower Upper

42 100

72 49.9 36.2 54.4

71 50.1 33.1 49.7#





#33

1,2-Dichloroethane-d4

Concen: 41.951 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

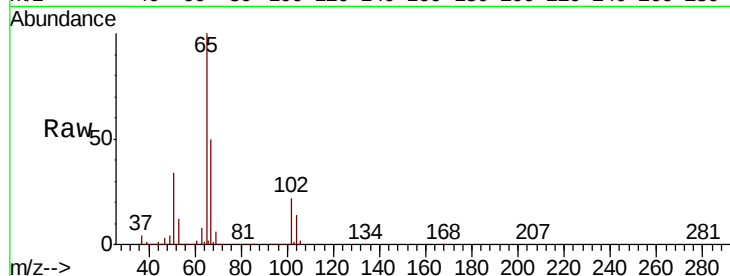
T9-12-13-T3-(0)

Tgt Ion: 65 Resp: 170821

Ion Ratio Lower Upper

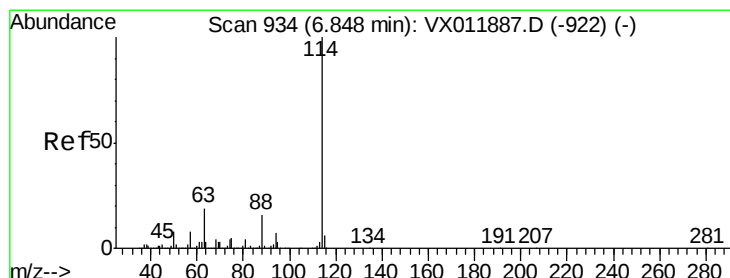
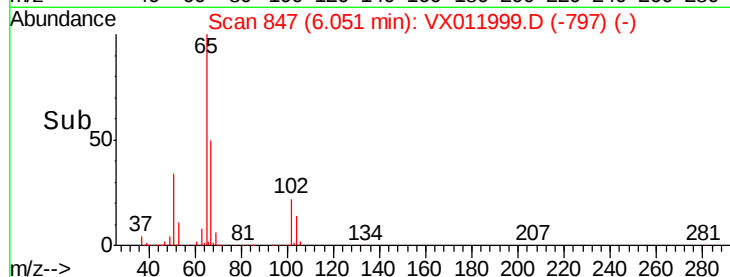
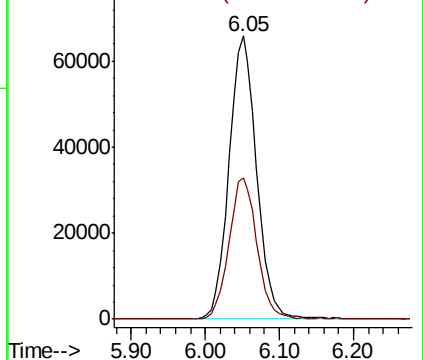
65 100

67 50.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

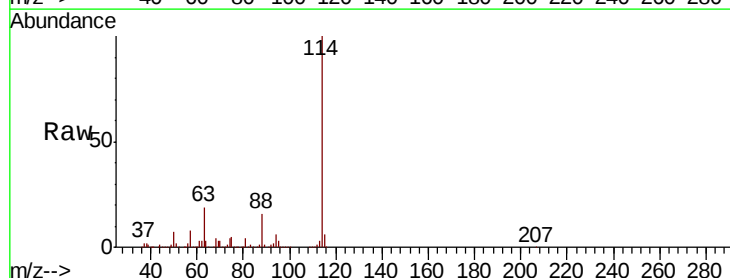
Tgt Ion: 114 Resp: 550466

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

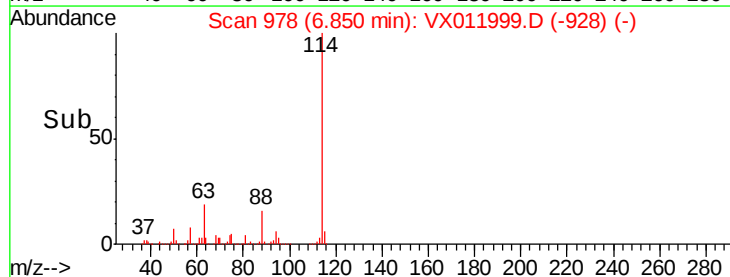
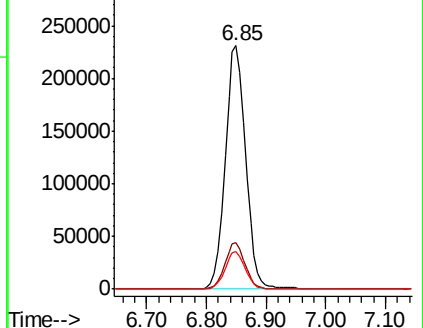
88 15.6 0.0 31.2

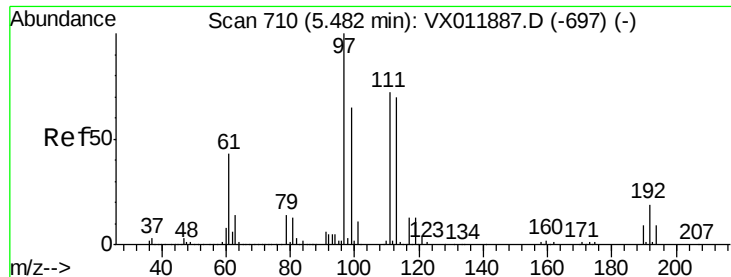


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

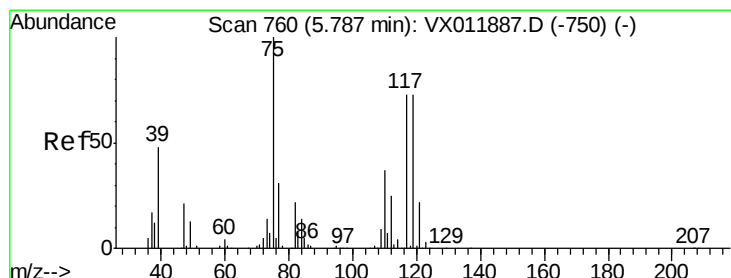
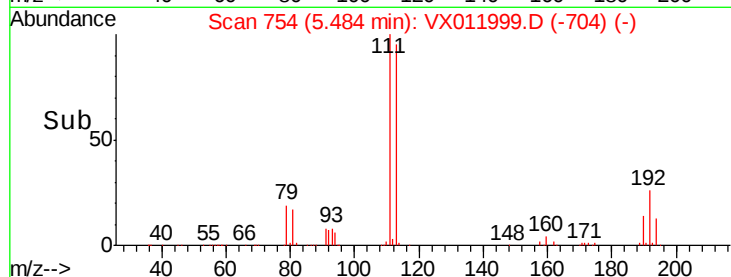
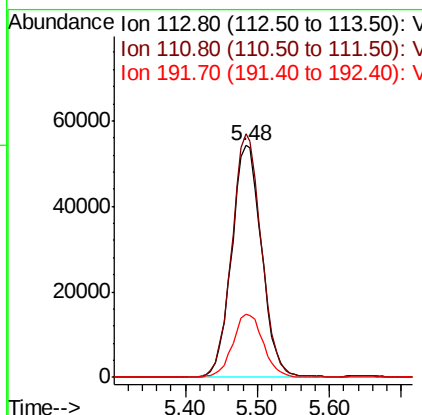
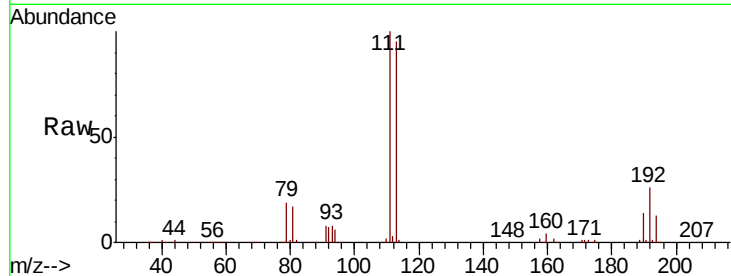




#35
 Dibromofluoromethane
 Concen: 44.490 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011999.D
 Acq: 01 Sep 2019 18:27

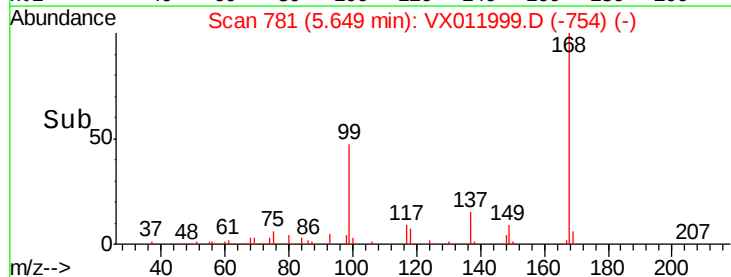
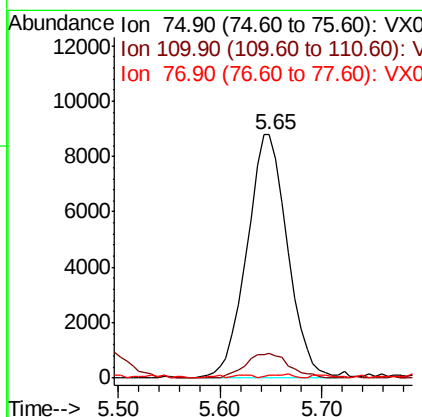
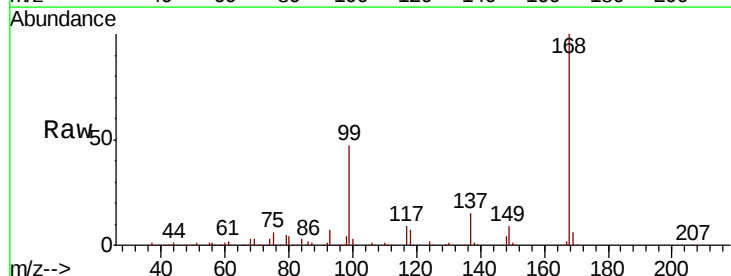
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-T3-(0)

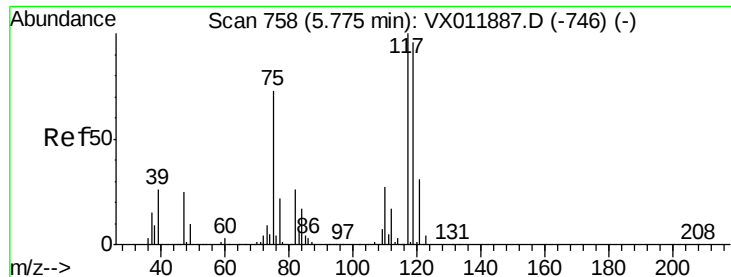
Tgt Ion: 113 Resp: 157042
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.1 123.1
 192 27.8 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.591 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011999.D
 Acq: 01 Sep 2019 18:27

Tgt Ion: 75 Resp: 24381
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.1 57.3#
 77 0.8 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.227 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T3-(0)

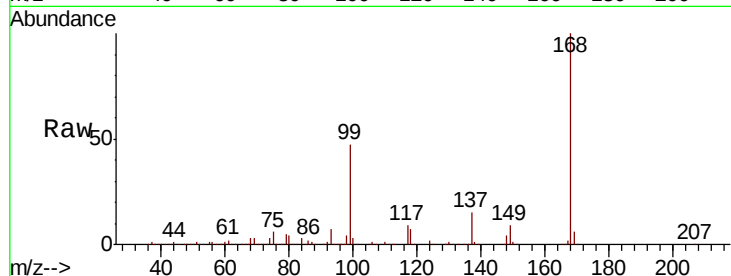
Tgt Ion:117 Resp: 36554

Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

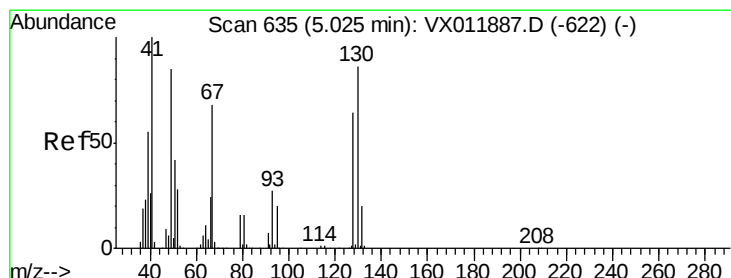
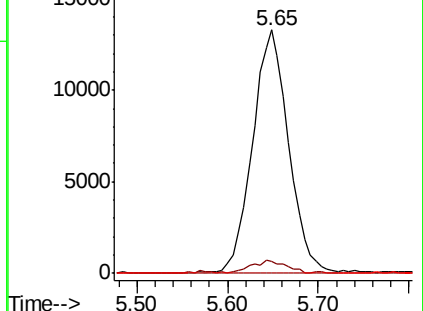
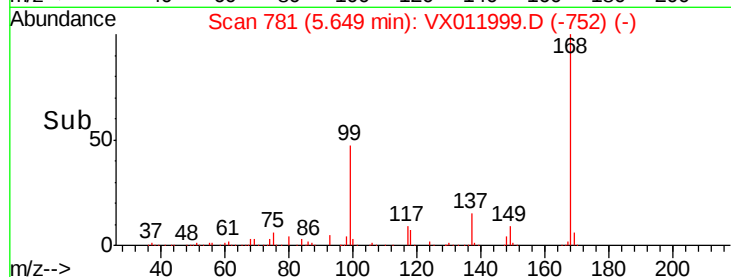
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 2.781 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.09 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Tgt Ion: 41 Resp: 4227

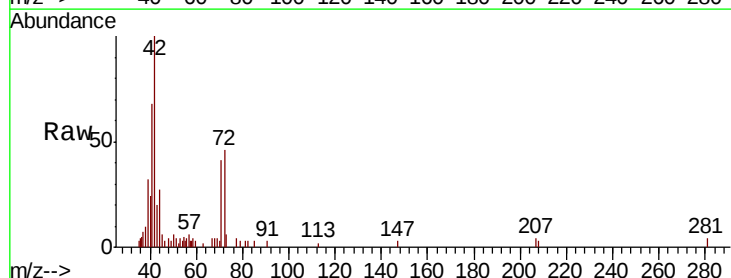
Ion Ratio Lower Upper

41 100

39 0.0 45.0 67.6#

67 4.8 55.0 82.4#

52 0.4 24.1 36.1#

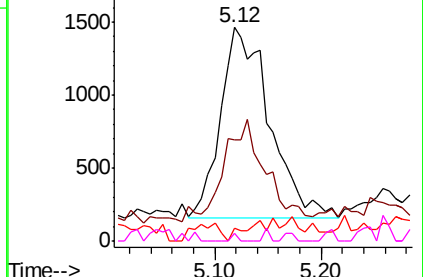
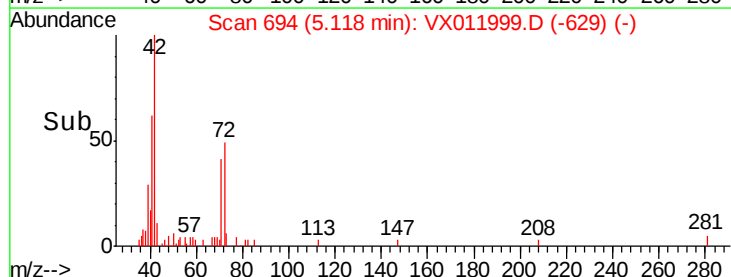


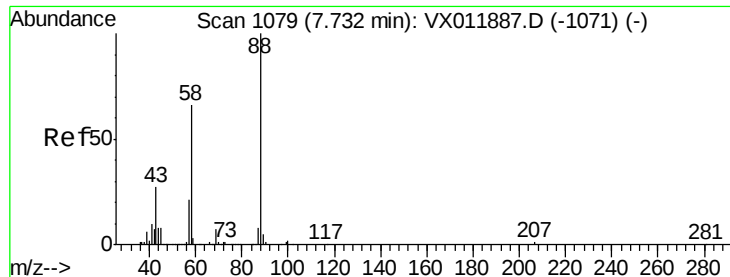
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#49

1,4-Dioxane

Concen: 1.142 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.03 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

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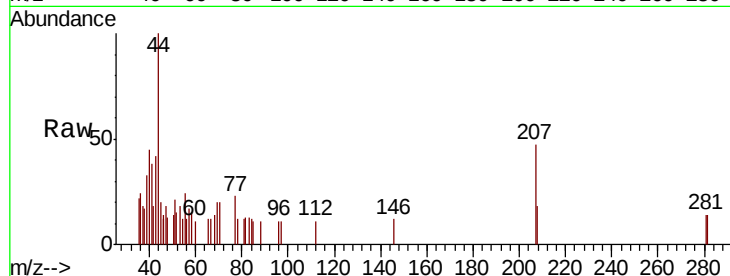
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 357.5 27.3 40.9#

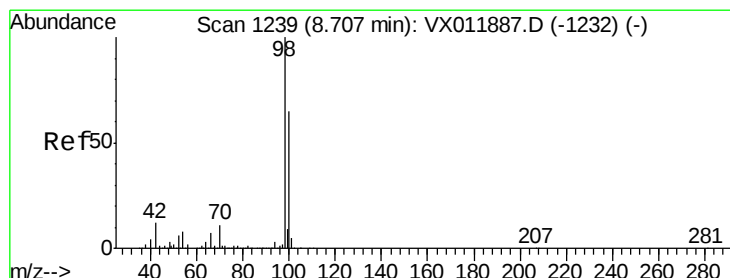
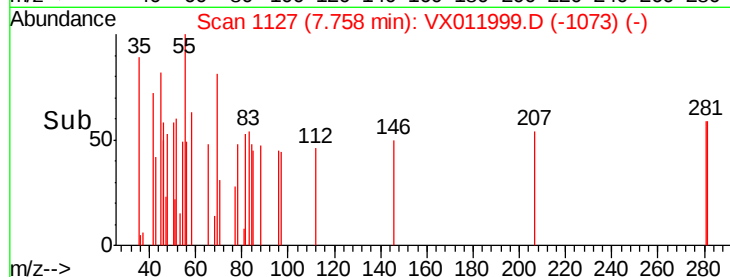
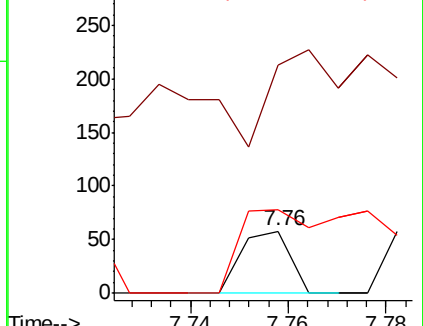
58 197.5 53.9 80.9#



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: 48.567 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011999.D

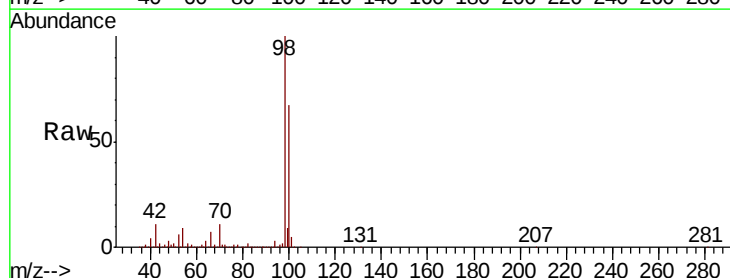
Acq: 01 Sep 2019 18:27

Tgt Ion: 98 Resp: 612814

Ion Ratio Lower Upper

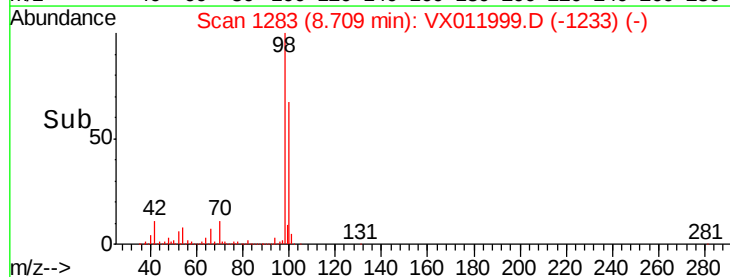
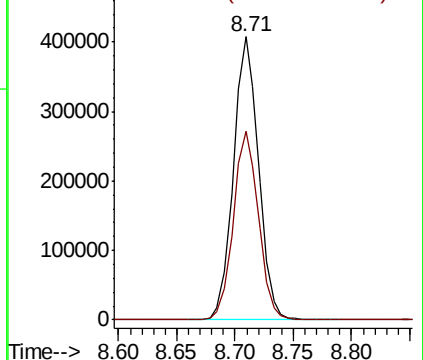
98 100

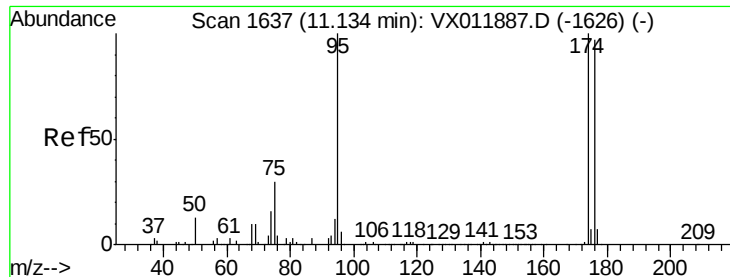
100 66.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 39.645 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T3-(0)

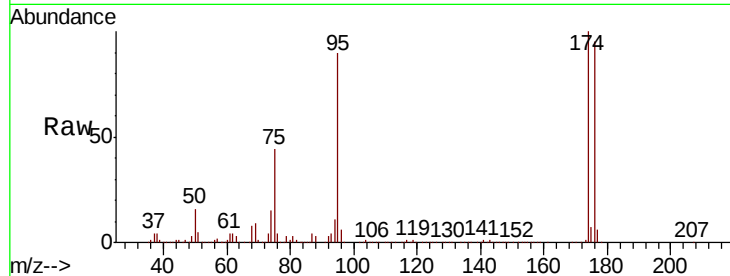
Tgt Ion: 95 Resp: 219437

Ion Ratio Lower Upper

95 100

174 102.6 0.0 196.0

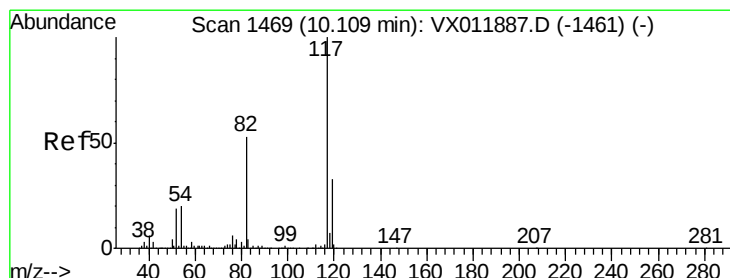
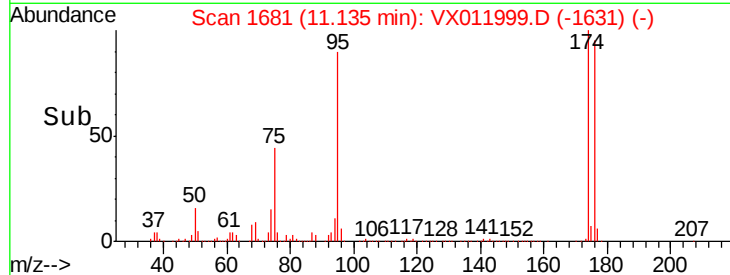
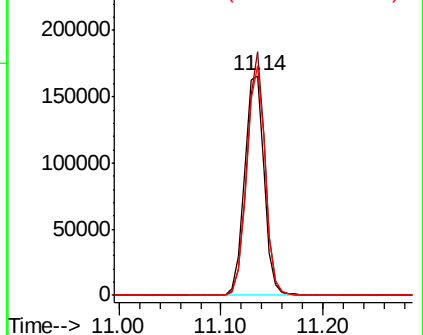
176 99.4 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

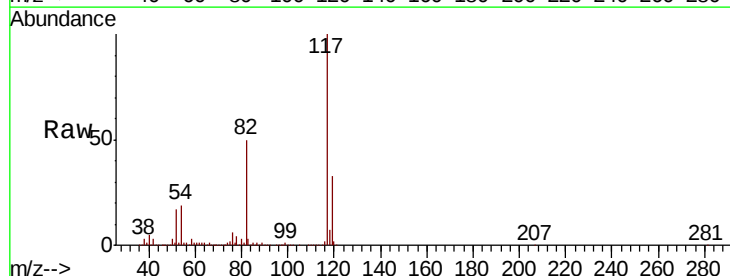
Tgt Ion: 117 Resp: 479057

Ion Ratio Lower Upper

117 100

82 49.6 42.0 63.0

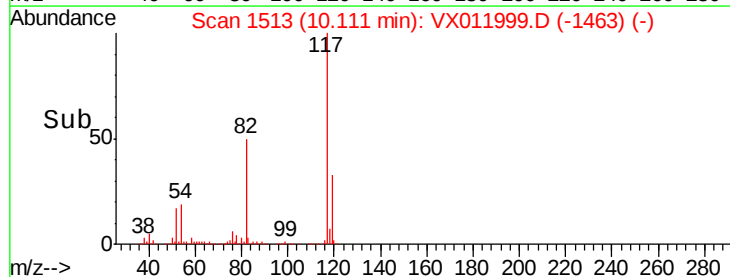
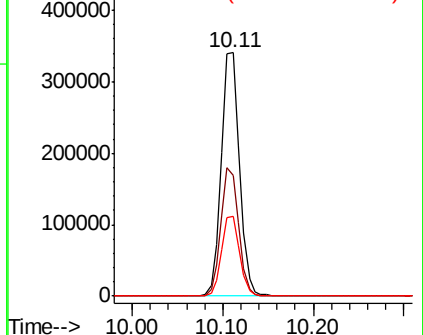
119 32.7 26.2 39.4

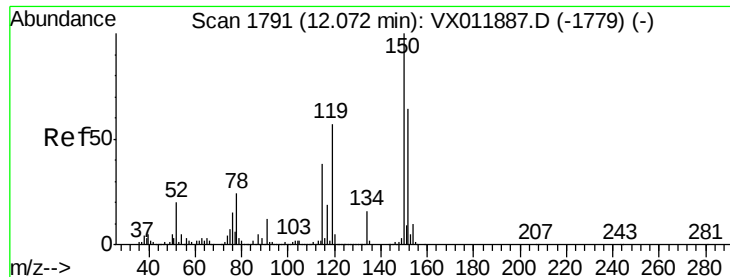


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)



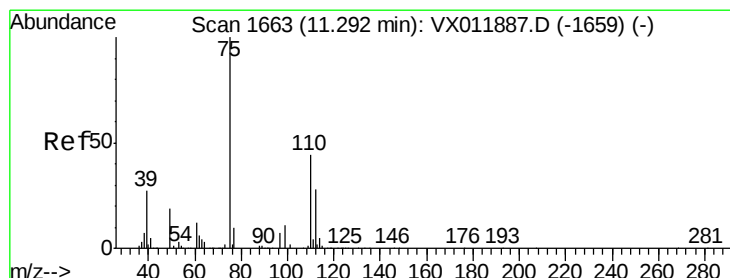
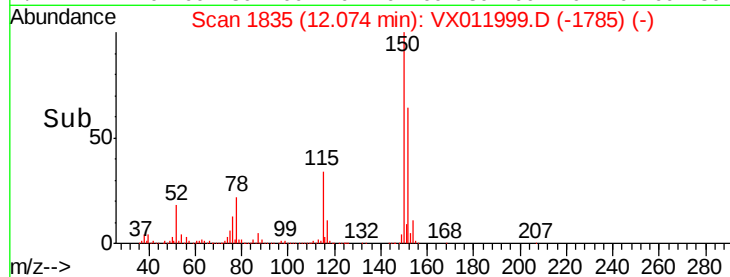
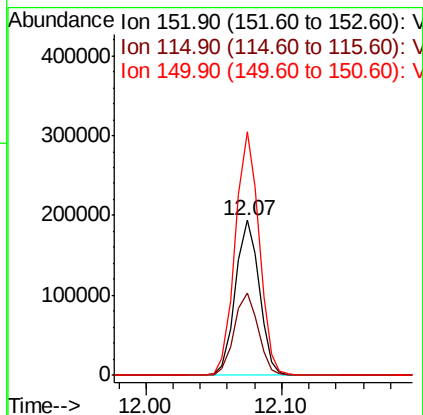
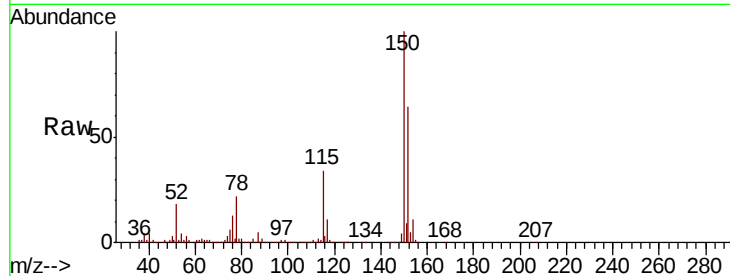


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011999.D
Acq: 01 Sep 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-T3-(0)

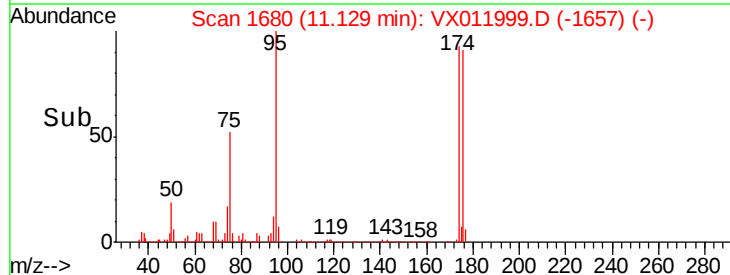
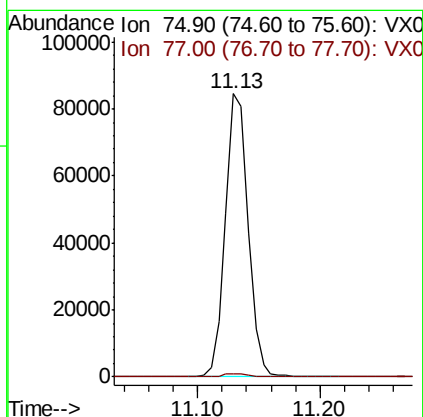
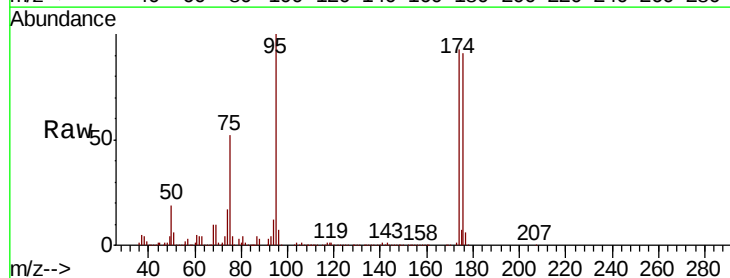
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	37.1	111.3
150	156.5	0.0	339.6

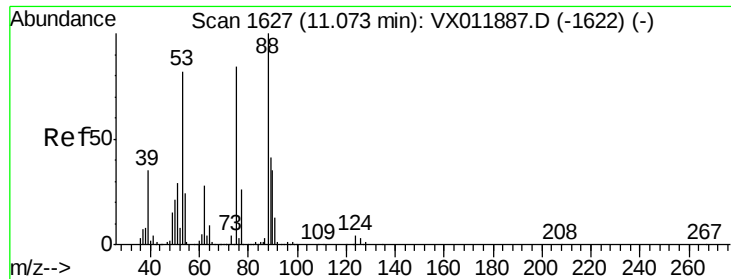


#76

1,2,3-Trichloropropane
Concen: 46.367 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011999.D
Acq: 01 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.9	62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 116.482 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011999.D

Acq: 01 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T3-(0)

Tgt Ion: 75 Resp: 108767

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.0 38.2 57.2#

