

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012366.D
 Acq On : 13 Sep 2019 00:00
 Operator : SY/SP
 Sample : K4757-04
 Misc : 8.15g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A-4-8

Quant Time: Sep 13 02:03:16 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	144576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108003	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	102447	50.12	ug/l	0.00
Spiked Amount						
				Recovery	=	100.24%
35) Dibromofluoromethane	5.49	113	76394	47.99	ug/l	0.00
Spiked Amount						
				Recovery	=	95.98%
50) Toluene-d8	8.71	98	298159	53.40	ug/l	0.00
Spiked Amount						
				Recovery	=	106.80%
62) 4-Bromofluorobenzene	11.14	95	121082	46.78	ug/l	0.00
Spiked Amount						
				Recovery	=	93.56%

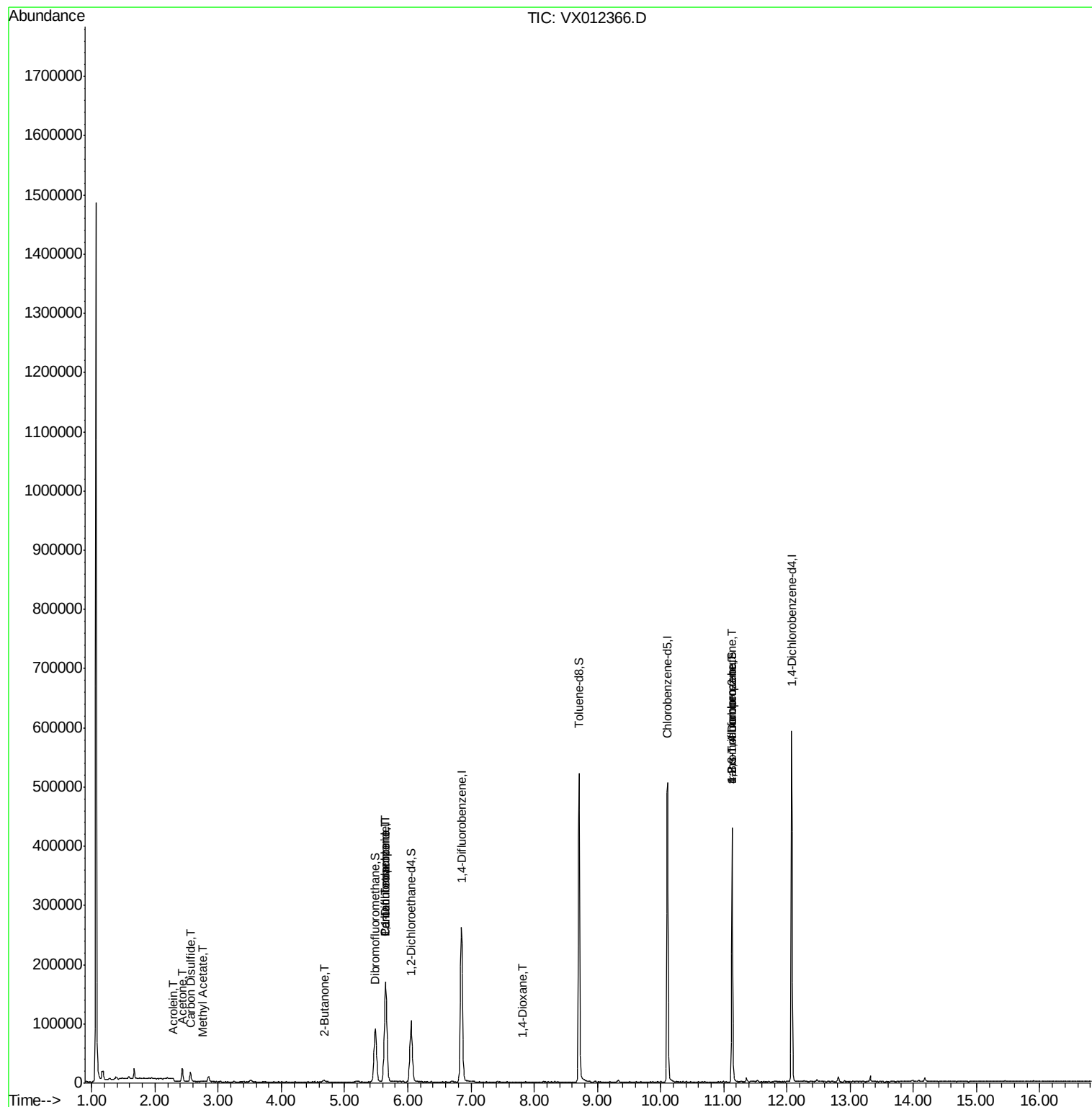
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	308	Below Cal		84
11) Tert butyl alcohol	3.03	59	344	Below Cal	#	1
13) Acrolein	2.28	56	226	2.115	ug/l #	1
16) Acetone	2.43	43	23994	49.587	ug/l	100
17) Carbon Disulfide	2.56	76	18619	8.105	ug/l	98
18) Methyl Acetate	2.76	43	1399	1.376	ug/l	96
20) Methylene Chloride	2.84	84	3857	Below Cal		93
25) 2-Butanone	4.67	43	4315	6.976	ug/l	100
36) 1,1-Dichloropropene	5.65	75	12669	6.997	ug/l #	53
38) Carbon Tetrachloride	5.64	117	16631	7.829	ug/l #	14
49) 1,4-Dioxane	7.82	88	43	2.821	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63088	45.470	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63088	136.239	ug/l #	6

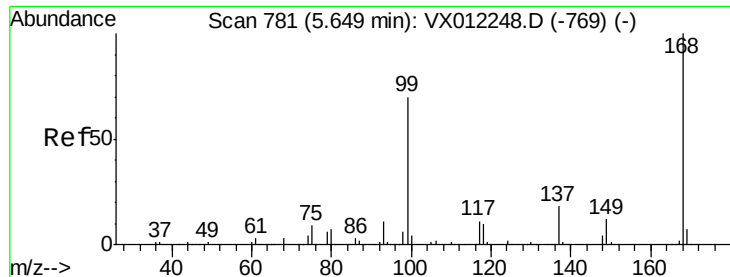
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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Quant Title : SW846 8260
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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: VX012366.D

Acq: 13 Sep 2019 00:00

Instrument :

MSVOA_X

ClientSampleId :

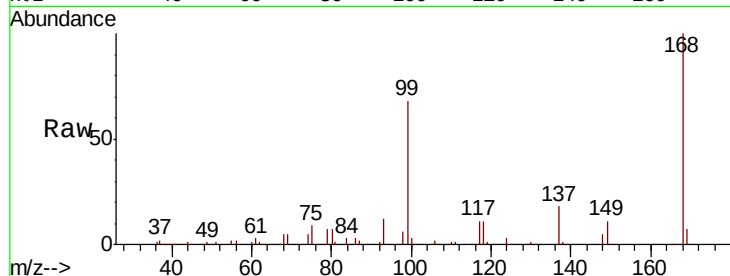
A-4-8

Tgt Ion: 168 Resp: 144576

Ion Ratio Lower Upper

168 100

99 68.3 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

50000

40000

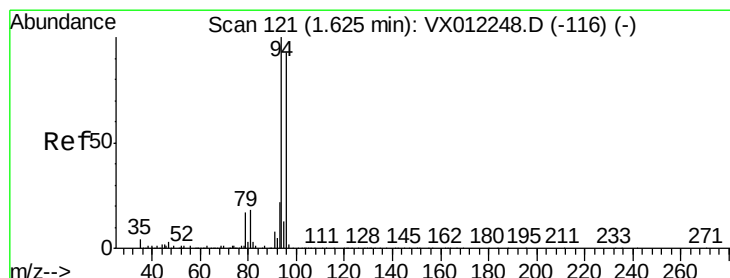
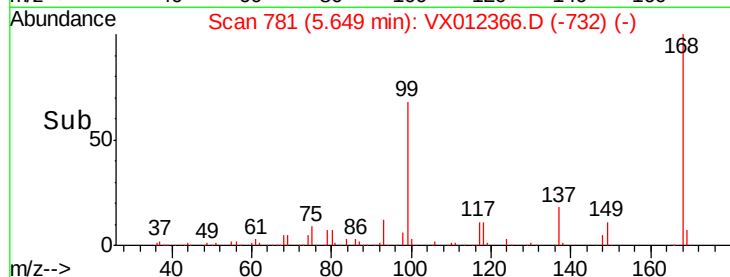
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012366.D

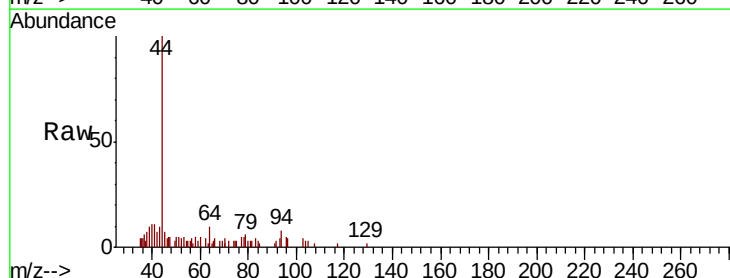
Acq: 13 Sep 2019 00:00

Tgt Ion: 94 Resp: 308

Ion Ratio Lower Upper

94 100

96 107.5 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

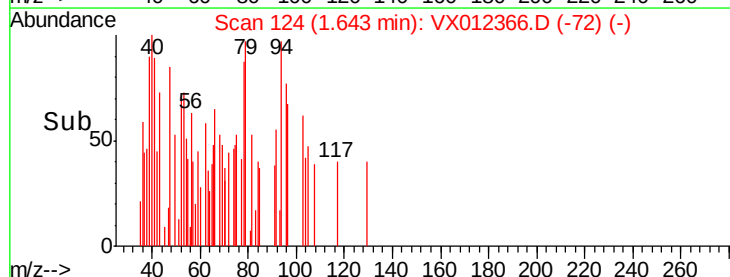
150

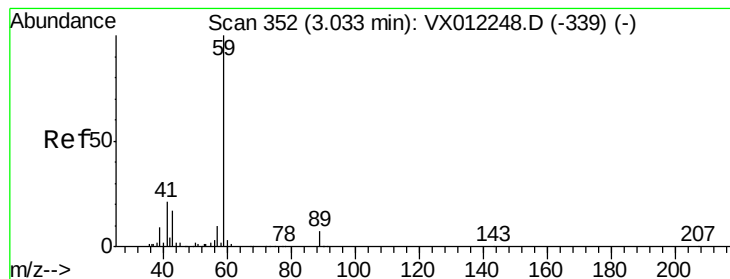
100

50

0

Time--> 1.60 1.62 1.64 1.66





#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

Instrument :

MSVOA_X

ClientSampled :

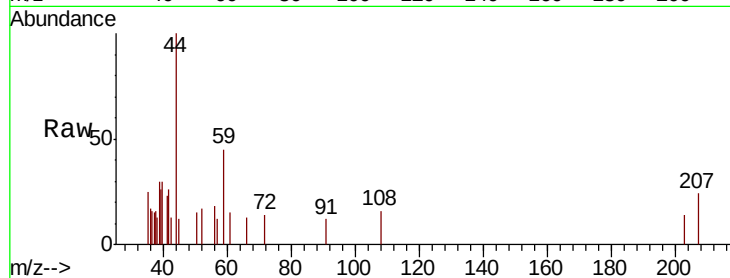
A-4-8

Tgt Ion: 59 Resp: 344

Ion Ratio Lower Upper

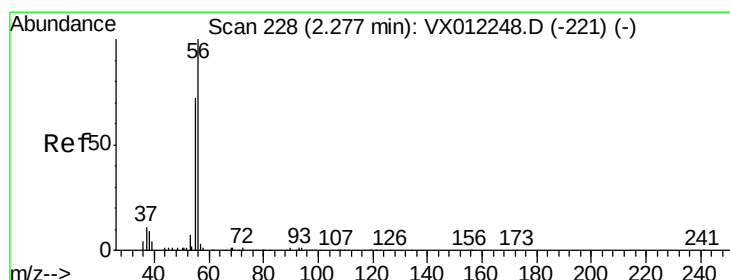
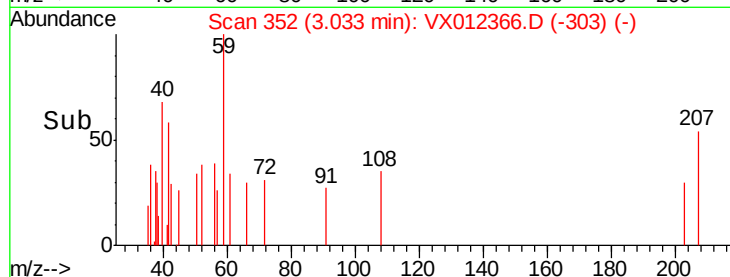
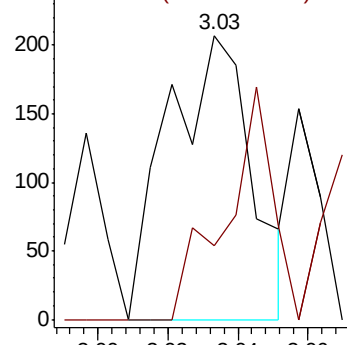
59 100

57 46.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 2.115 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012366.D

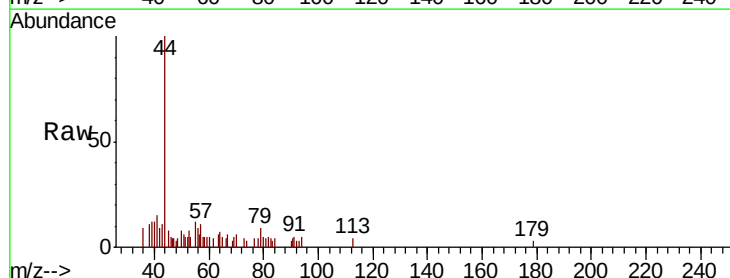
Acq: 13 Sep 2019 00:00

Tgt Ion: 56 Resp: 226

Ion Ratio Lower Upper

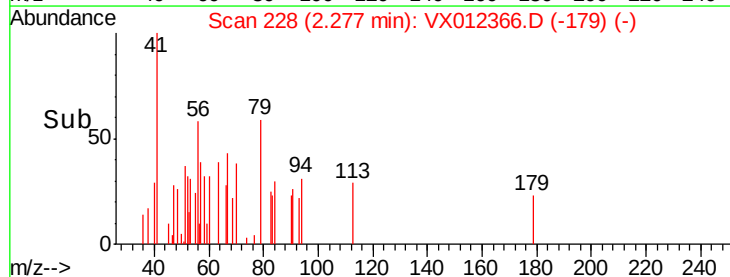
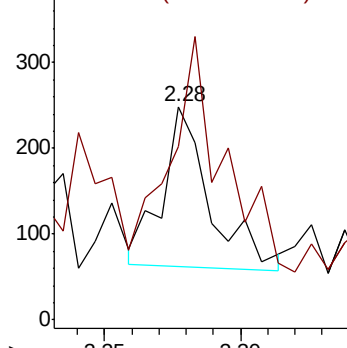
56 100

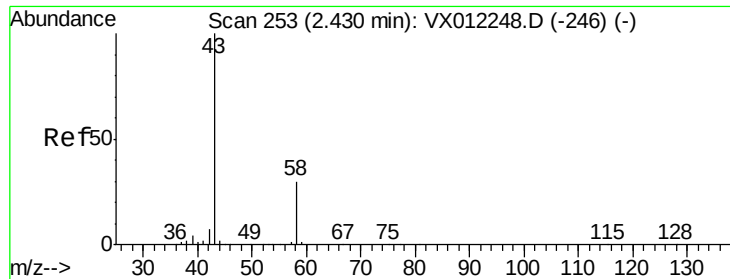
55 167.7 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 49.587 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

Instrument :

MSVOA_X

ClientSampleId :

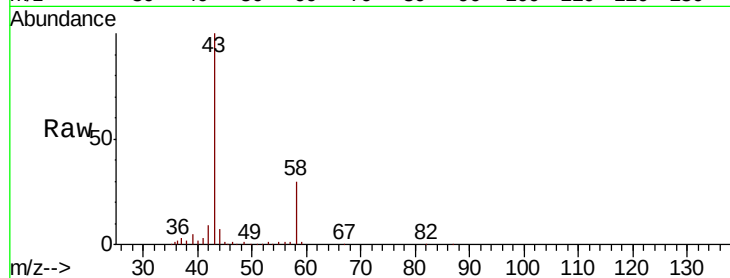
A-4-8

Tgt Ion: 43 Resp: 23994

Ion Ratio Lower Upper

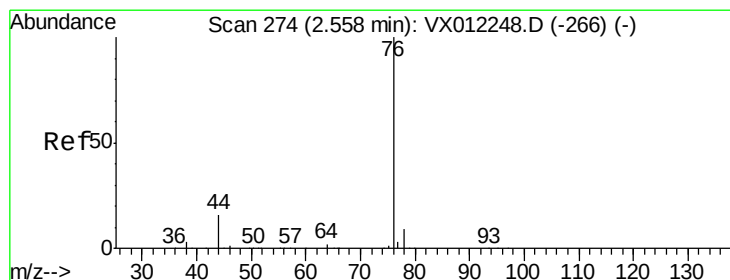
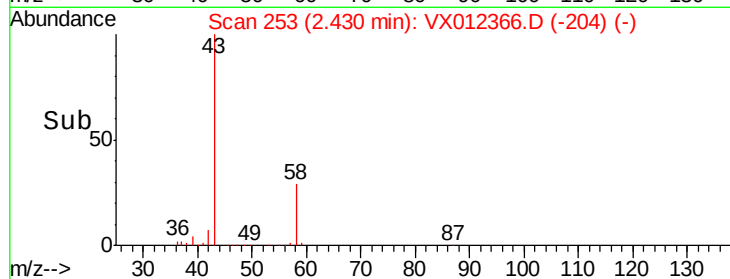
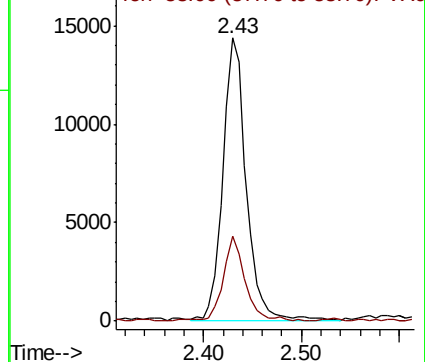
43 100

58 29.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 8.105 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012366.D

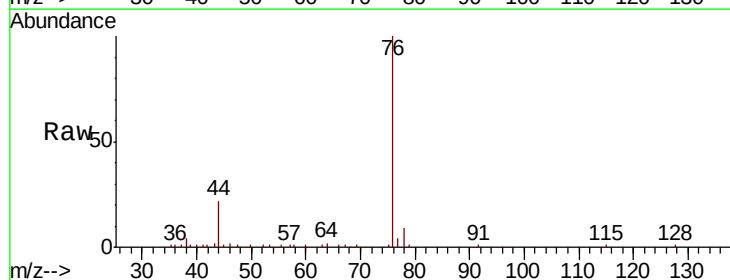
Acq: 13 Sep 2019 00:00

Tgt Ion: 76 Resp: 18619

Ion Ratio Lower Upper

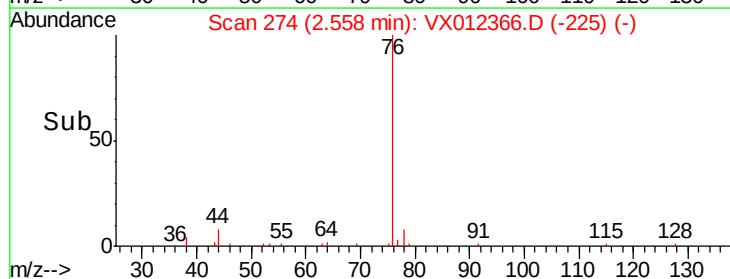
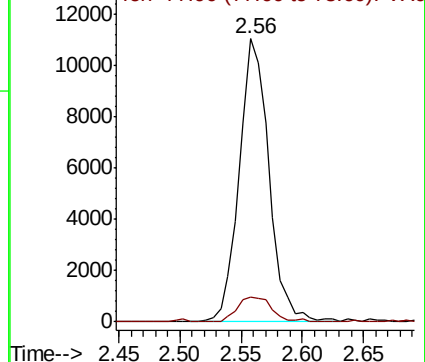
76 100

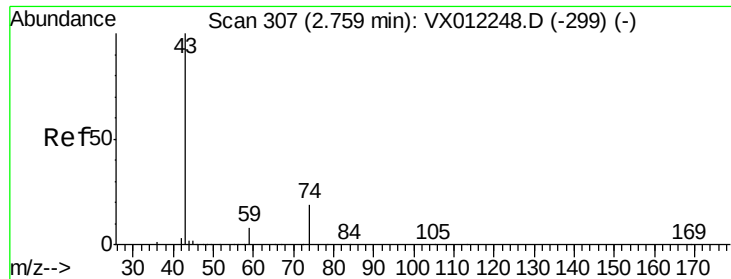
78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

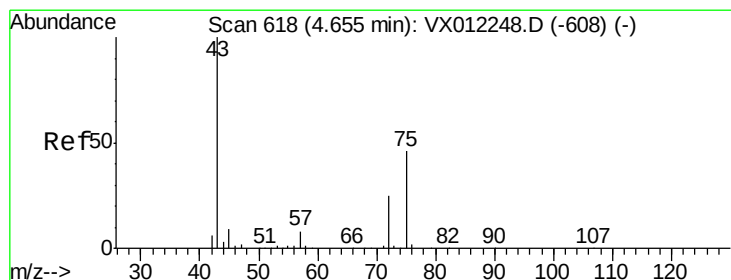
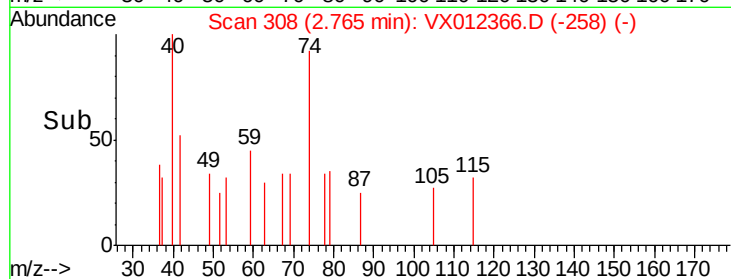
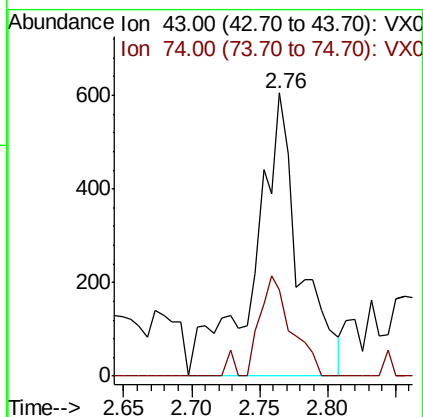
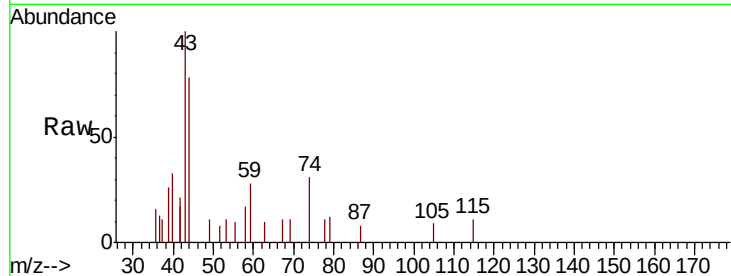




#18
Methyl Acetate
Concen: 1.376 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX012366.D
Acq: 13 Sep 2019 00:00

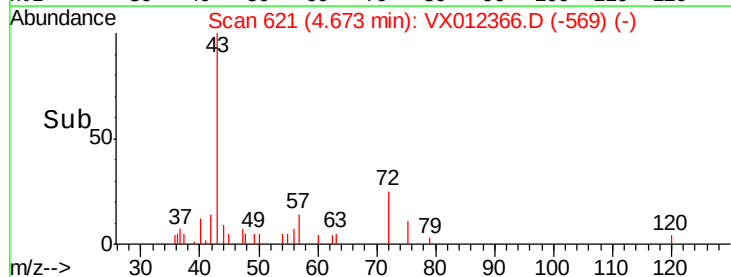
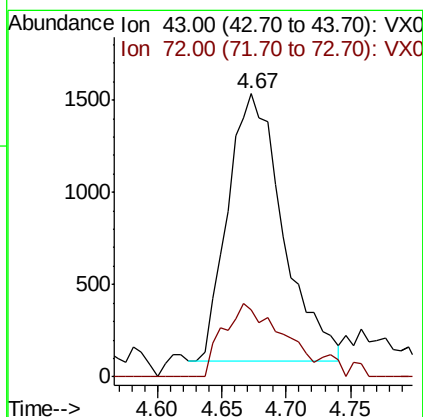
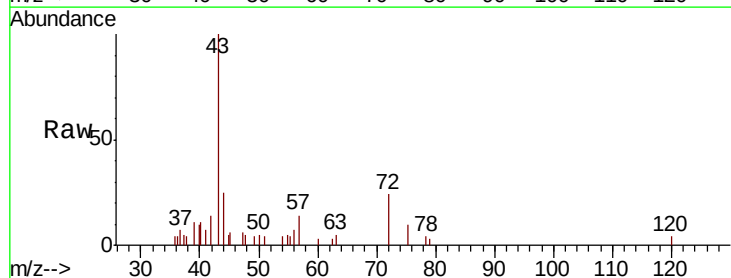
Instrument :
MSVOA_X
ClientSampled :
A-4-8

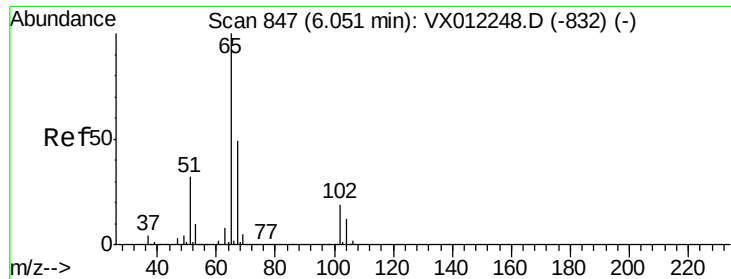
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
74 25.0 18.3 27.5



#25
2-Butanone
Concen: 6.976 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012366.D
Acq: 13 Sep 2019 00:00

Tgt Ion: 43 Resp: 4315
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2

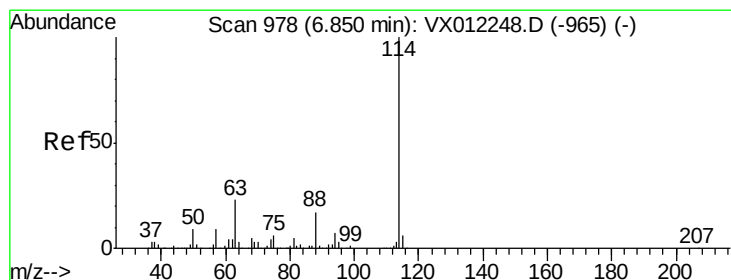
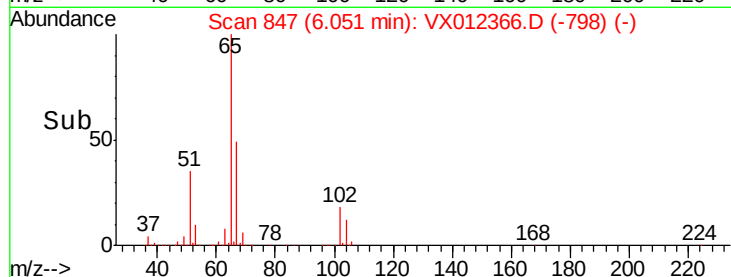
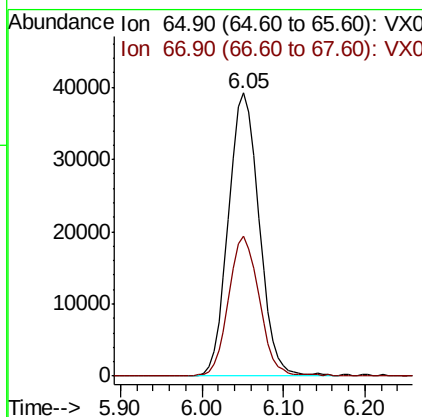
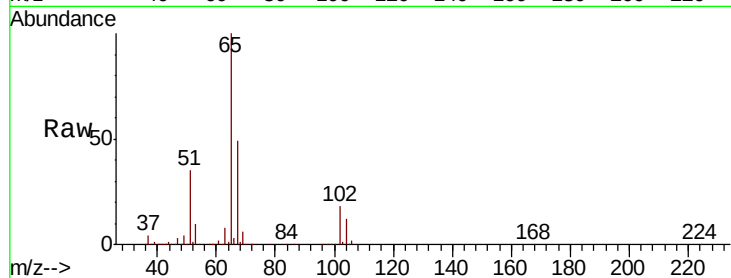




#33
 1,2-Dichloroethane-d4
 Concen: 50.120 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012366.D
 Acq: 13 Sep 2019 00:00

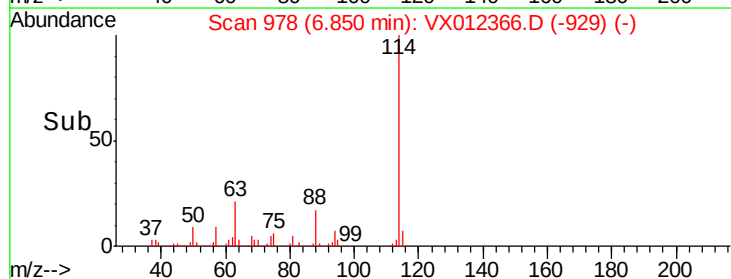
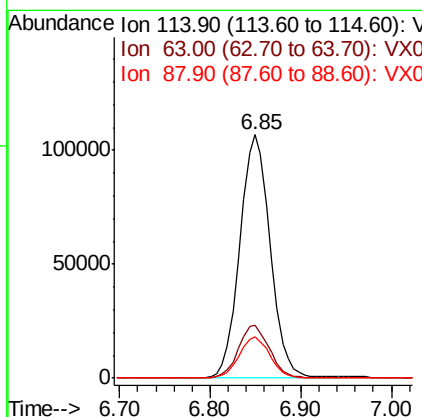
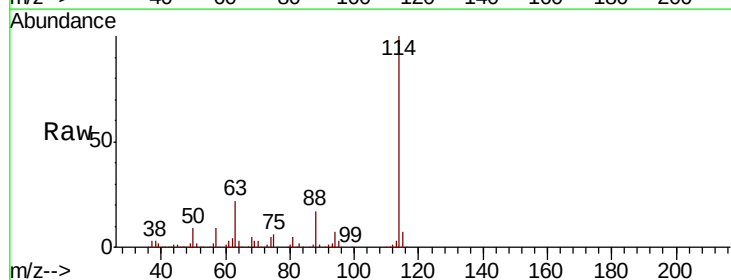
Instrument :
 MSVOA_X
 ClientSampleId :
 A-4-8

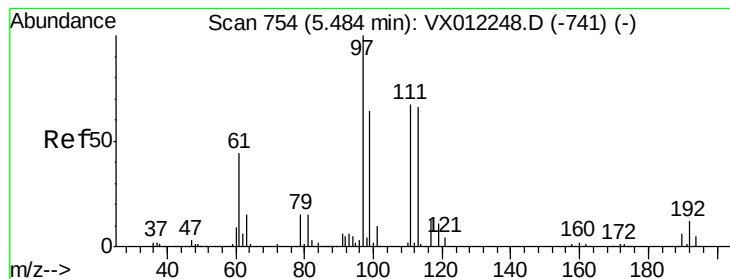
Tgt Ion: 65 Resp: 102447
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012366.D
 Acq: 13 Sep 2019 00:00

Tgt Ion: 114 Resp: 248319
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.2
 88 17.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.991 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

Instrument :

MSVOA_X

ClientSampled :

A-4-8

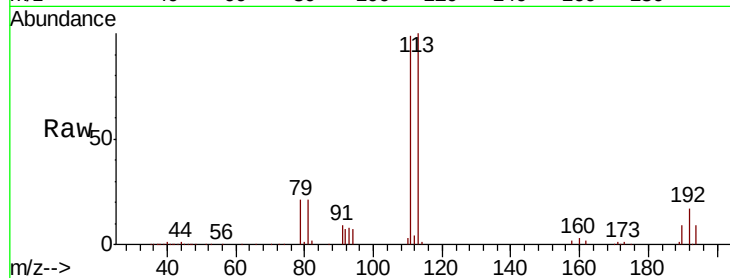
Tgt Ion:113 Resp: 76394

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

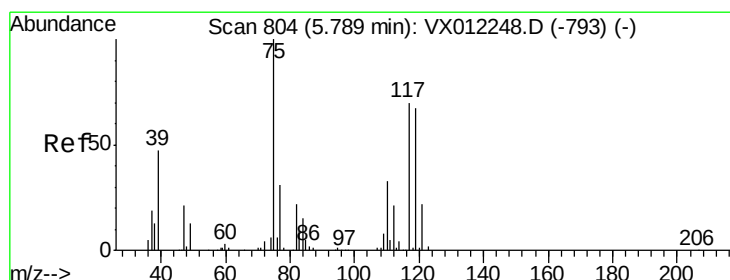
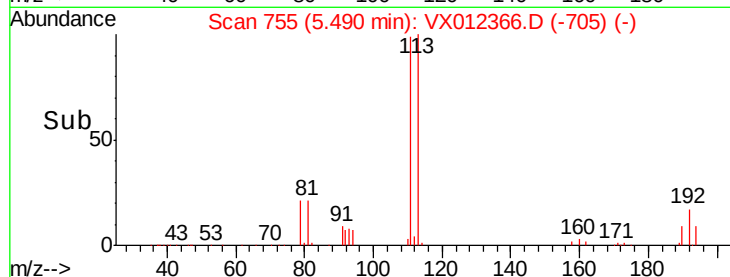
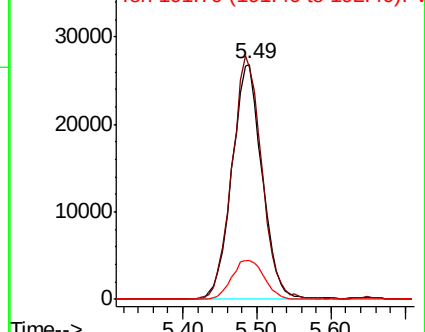
192 17.9 14.3 21.5



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: 6.997 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

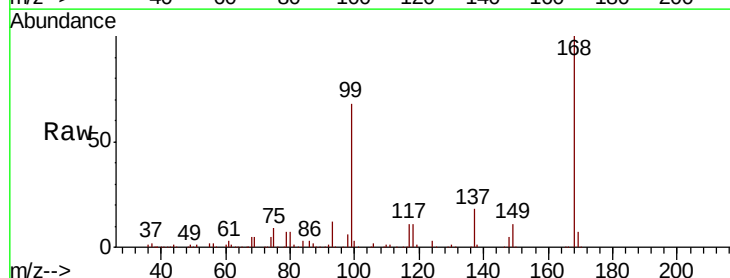
Tgt Ion: 75 Resp: 12669

Ion Ratio Lower Upper

75 100

110 11.2 16.8 50.4#

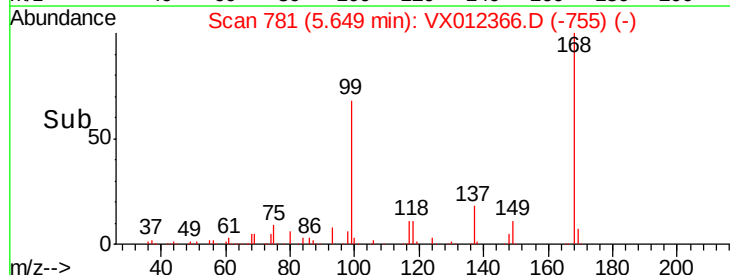
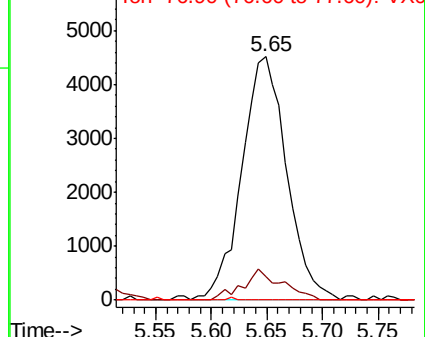
77 0.0 24.5 36.7#

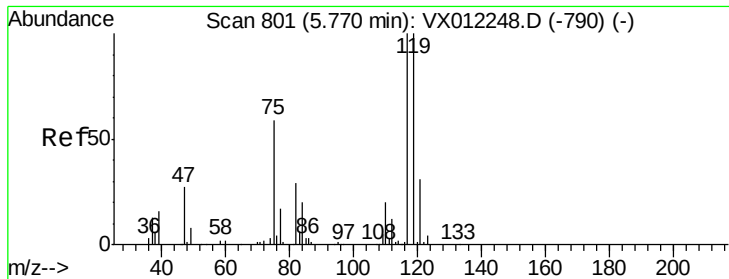


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.829 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

Instrument :

MSVOA_X

ClientSampleId :

A-4-8

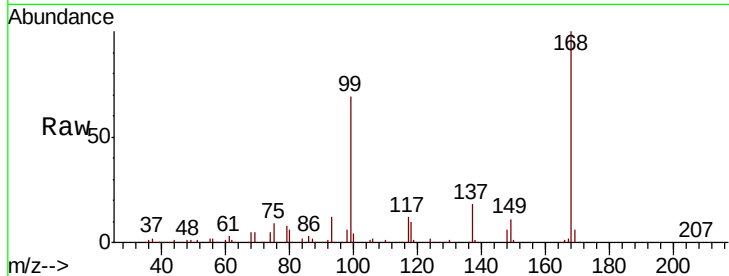
Tgt Ion:117 Resp: 16631

Ion Ratio Lower Upper

117 100

119 5.2 79.6 119.4#

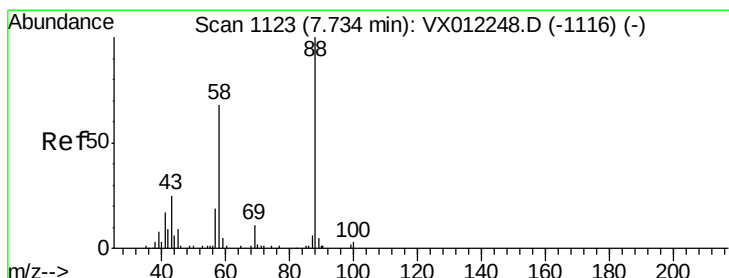
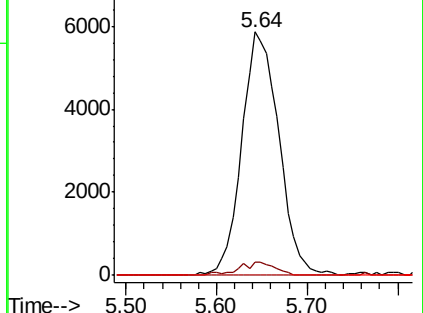
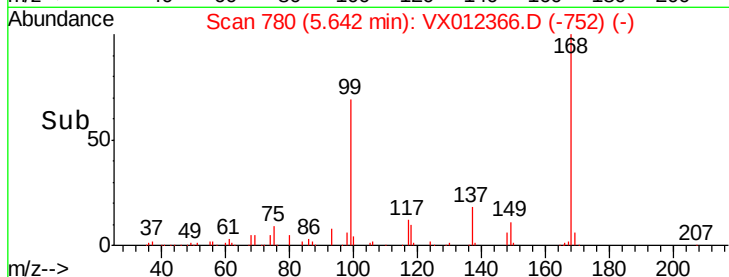
121 0.0 24.7 37.1#



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: 2.821 ug/l

RT: 7.82 min Scan# 1137

Delta R.T. 0.09 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

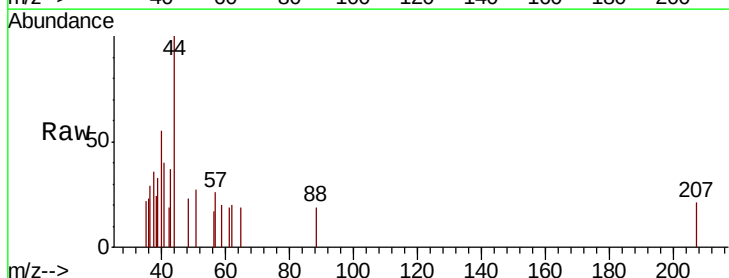
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 400.0 31.0 46.4#

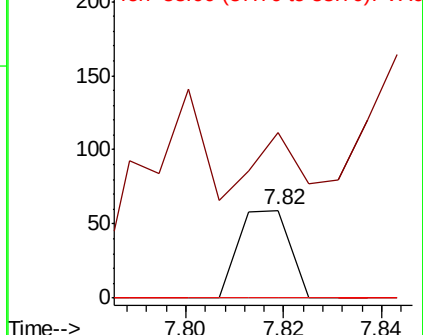
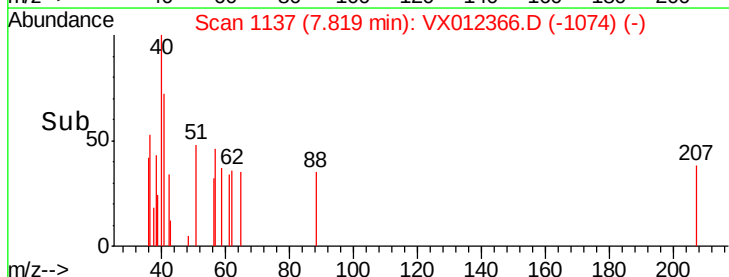
58 0.0 61.5 92.3#

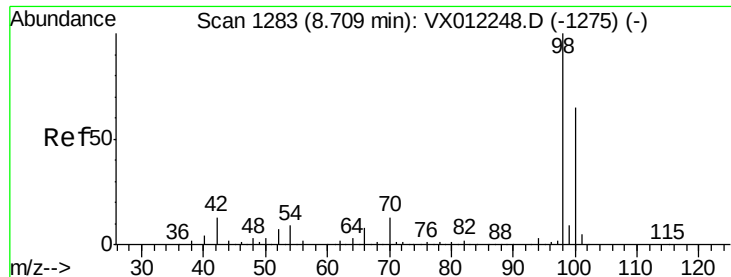


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

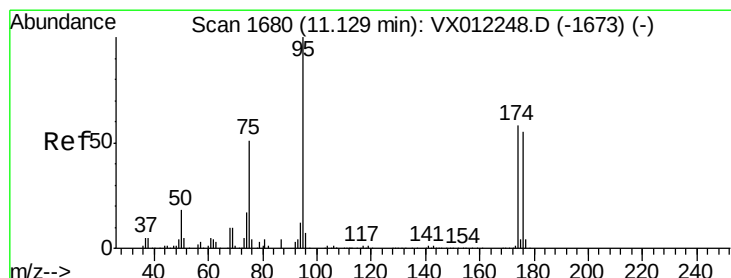
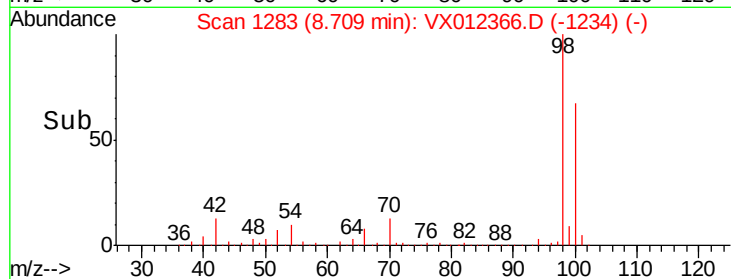
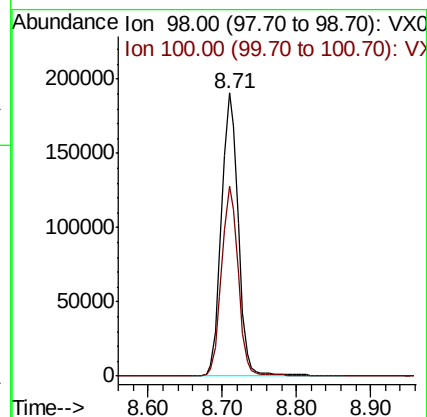
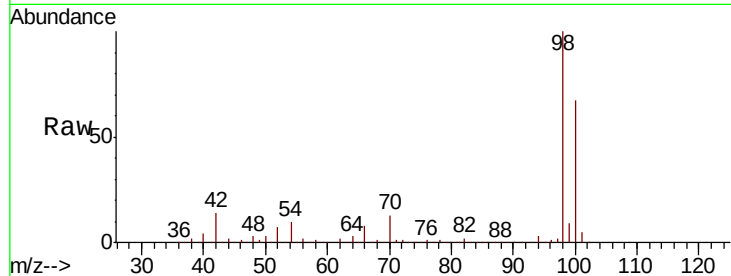




#50
Toluene-d8
Concen: 53.404 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012366.D
Acq: 13 Sep 2019 00:00

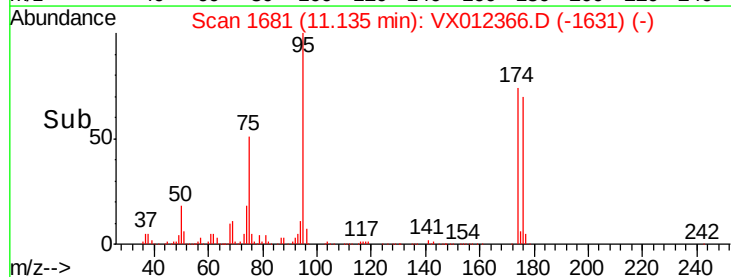
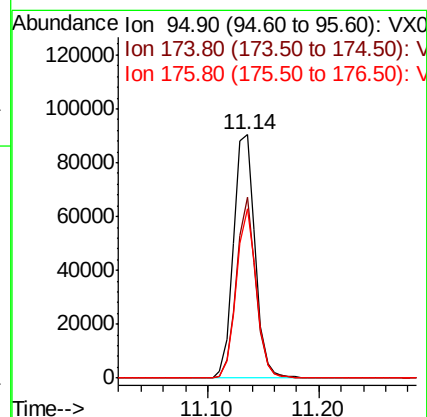
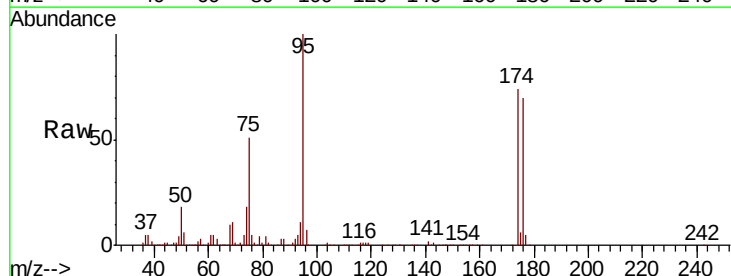
Instrument :
MSVOA_X
ClientSampled :
A-4-8

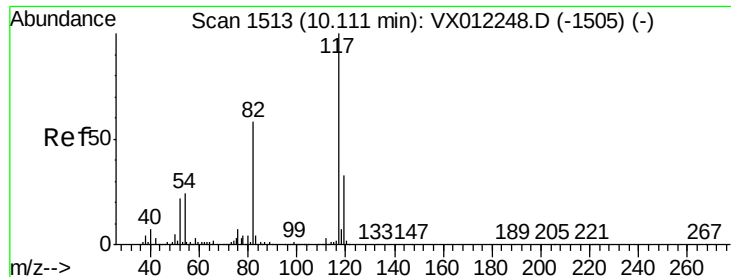
Tgt Ion: 98 Resp: 298159
Ion Ratio Lower Upper
98 100
100 66.4 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 46.780 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012366.D
Acq: 13 Sep 2019 00:00

Tgt Ion: 95 Resp: 121082
Ion Ratio Lower Upper
95 100
174 66.7 0.0 127.0
176 64.9 0.0 125.8

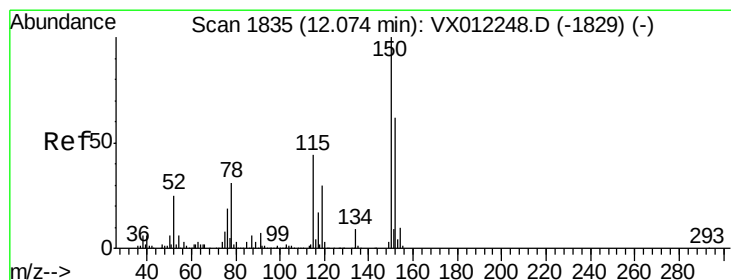
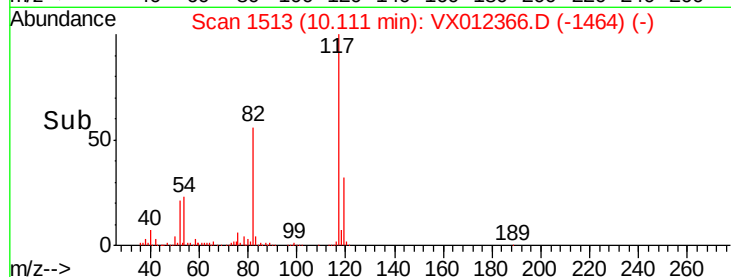
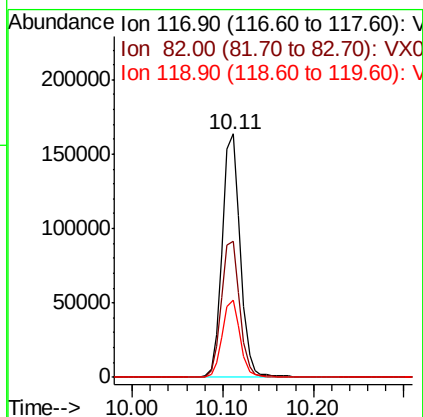
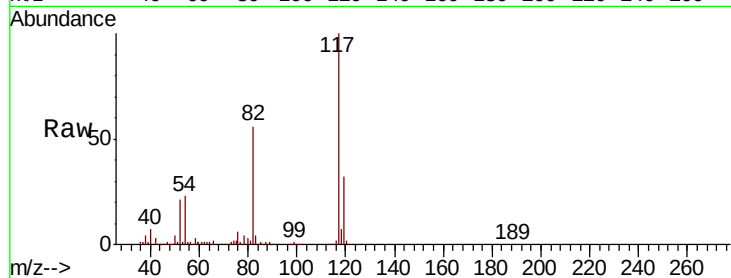




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012366.D
Acq: 13 Sep 2019 00:00

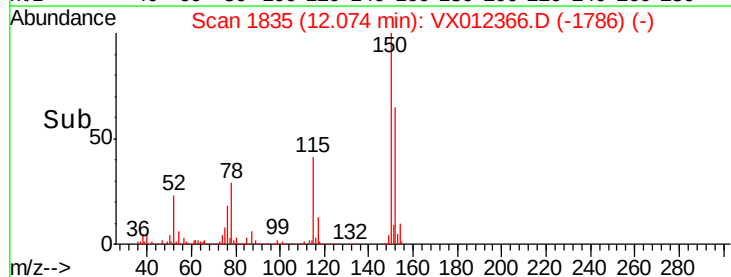
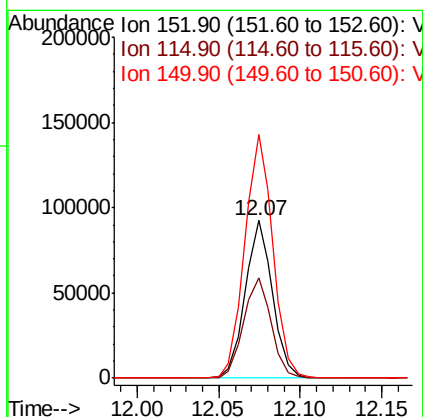
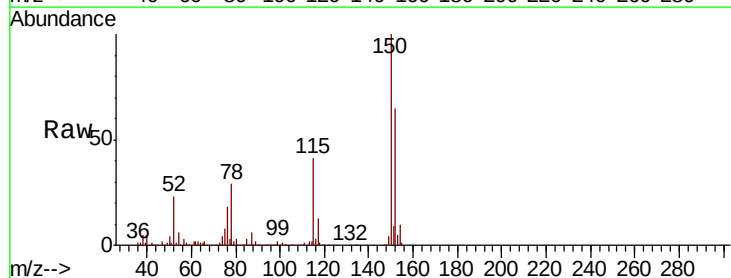
Instrument :
MSVOA_X
ClientSampleId :
A-4-8

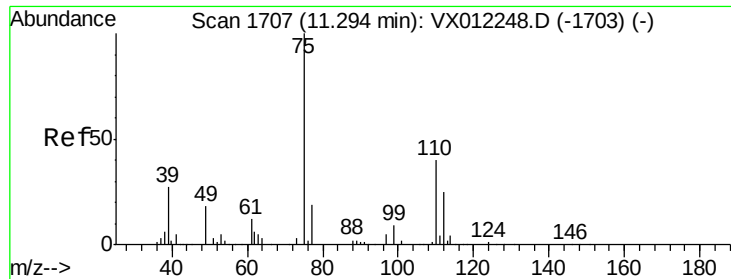
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.4	69.6
119	32.0	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012366.D
Acq: 13 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	45.5	136.4
150	158.9	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 45.470 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

Instrument :

MSVOA_X

ClientSampleId :

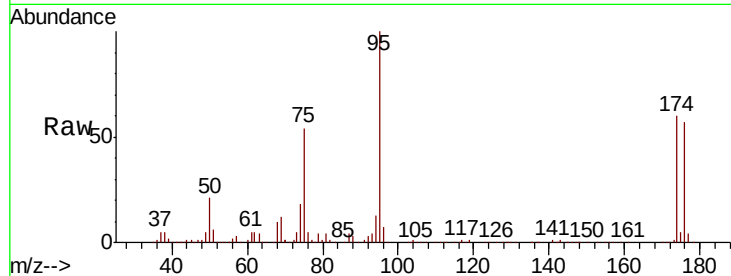
A-4-8

Tgt Ion: 75 Resp: 63088

Ion Ratio Lower Upper

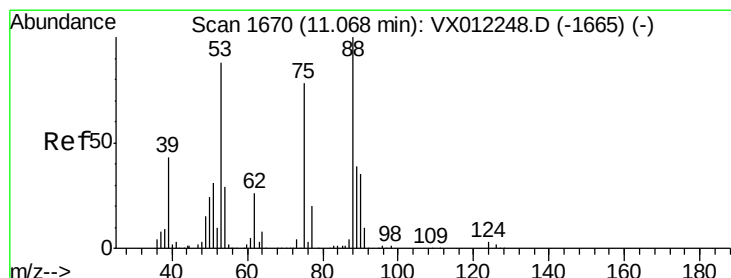
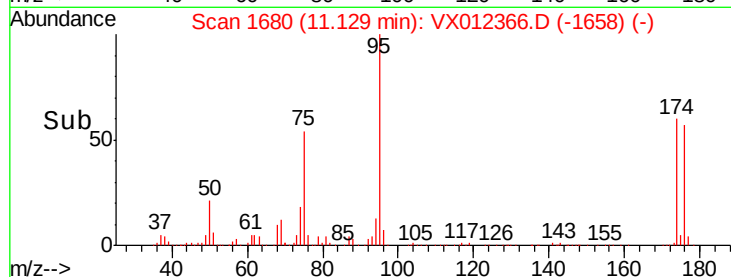
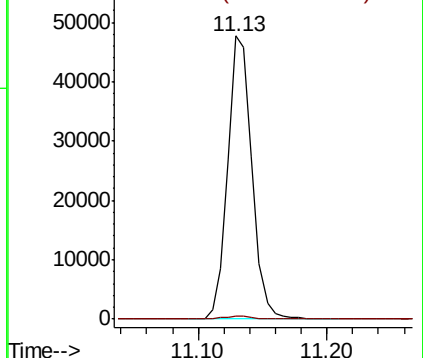
75 100

77 1.3 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: 136.239 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012366.D

Acq: 13 Sep 2019 00:00

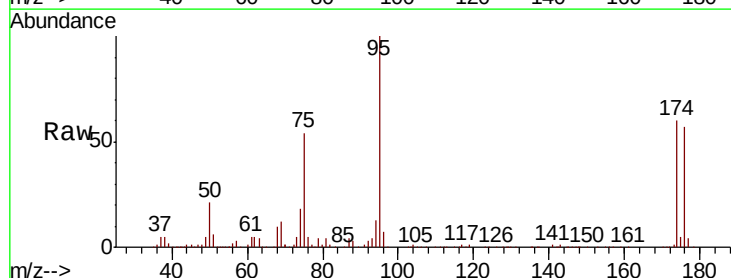
Tgt Ion: 75 Resp: 63088

Ion Ratio Lower Upper

75 100

53 0.4 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

