

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012115.D
 Acq On : 05 Sep 2019 21:50
 Operator : SY/SP
 Sample : K4618-14
 Misc : 5.52g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4-28-30

Quant Time: Sep 06 05:45:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	149114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102224	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	107145	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
35) Dibromofluoromethane	5.48	113	77863	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
50) Toluene-d8	8.71	98	303724	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.14	95	124940	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.20%	

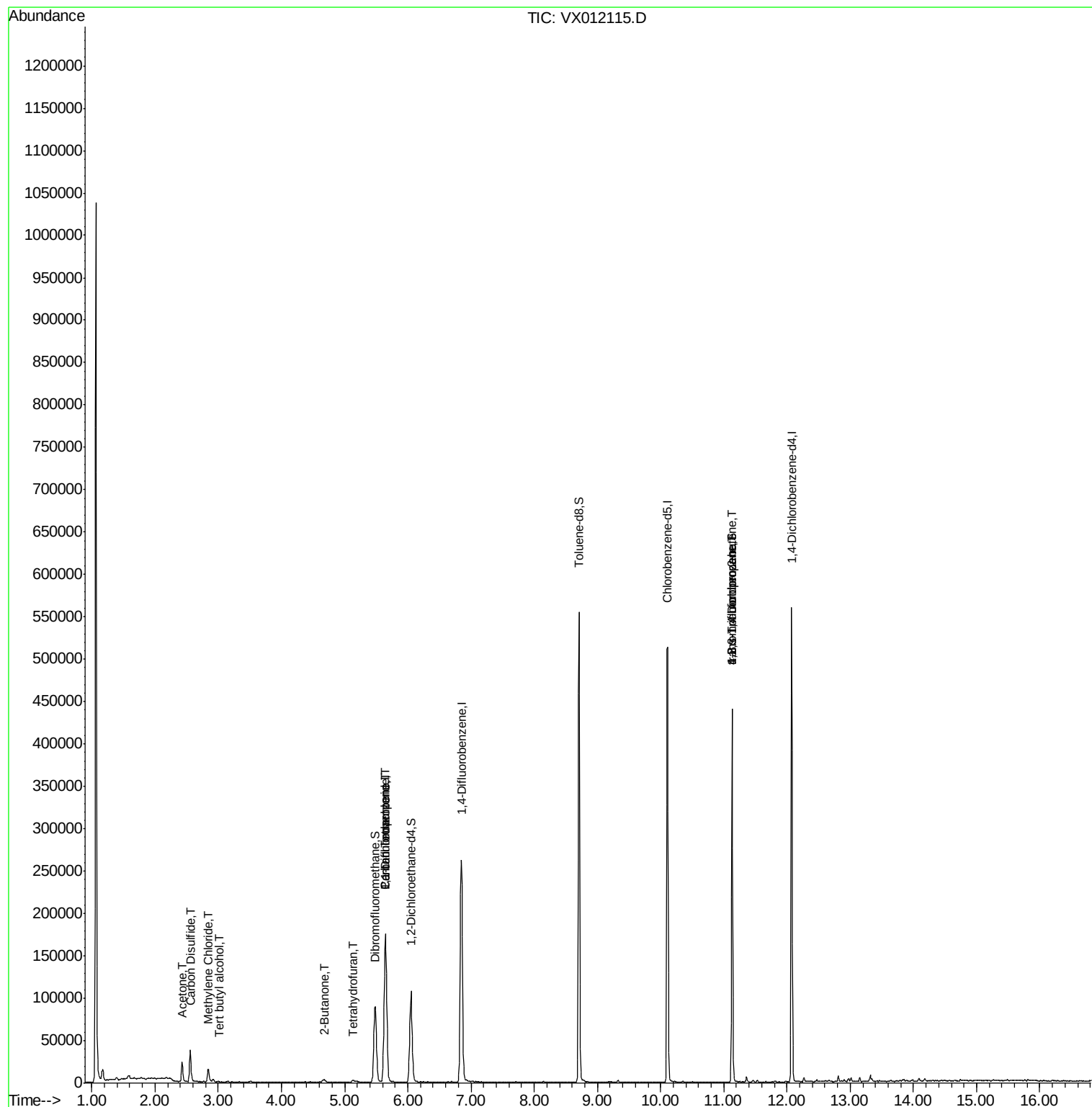
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	1154	5.839	ug/l #	93
13) Acrolein	2.28	56	122	Below Cal		95
16) Acetone	2.43	43	24272	49.355	ug/l	98
17) Carbon Disulfide	2.56	76	47536	11.078	ug/l	99
20) Methylene Chloride	2.84	84	7244	3.668	ug/l	92
25) 2-Butanone	4.68	43	2603	4.158	ug/l	97
29) Tetrahydrofuran	5.14	42	2225	5.899	ug/l	94
36) 1,1-Dichloropropene	5.64	75	14062	6.249	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17129	7.224	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	65072	52.098	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	65072	123.169	ug/l #	10

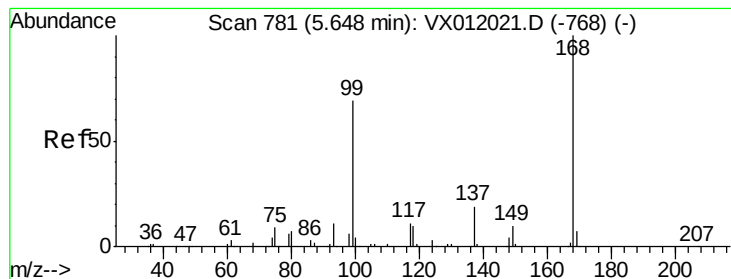
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012115.D

Acq: 05 Sep 2019 21:50

Instrument :

MSVOA_X

ClientSampleId :

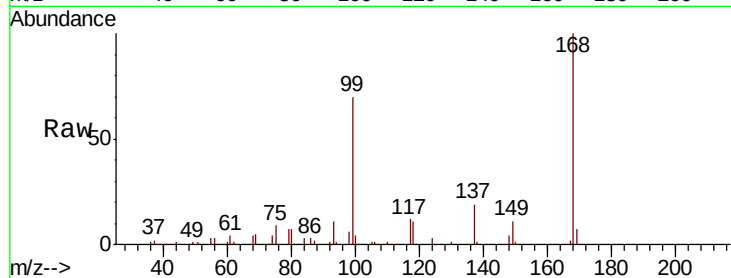
SB-4-28-30

Tgt Ion:168 Resp: 149114

Ion Ratio Lower Upper

168 100

99 70.2 37.6 56.4#



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

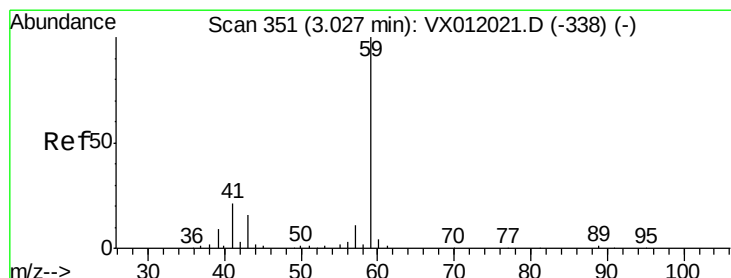
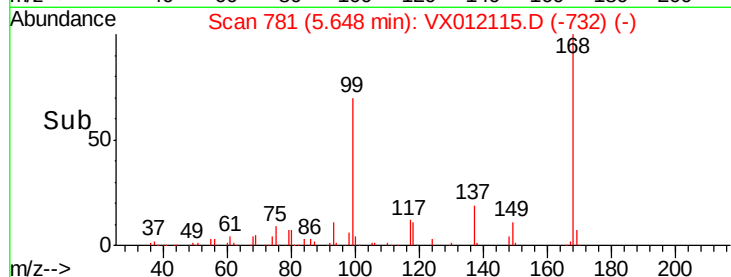
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 5.839 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012115.D

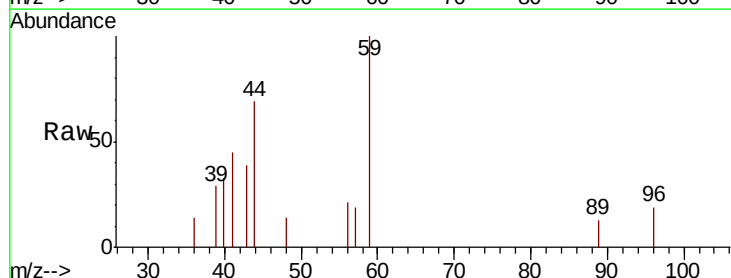
Acq: 05 Sep 2019 21:50

Tgt Ion: 59 Resp: 1154

Ion Ratio Lower Upper

59 100

57 12.5 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

400

300

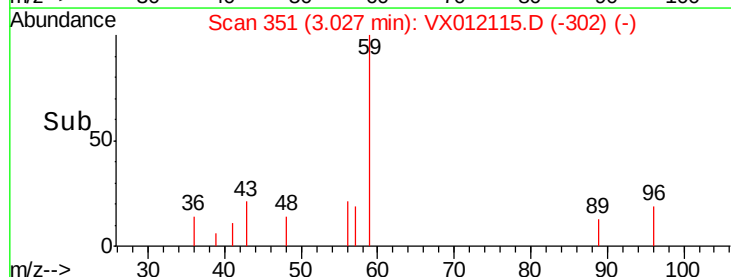
200

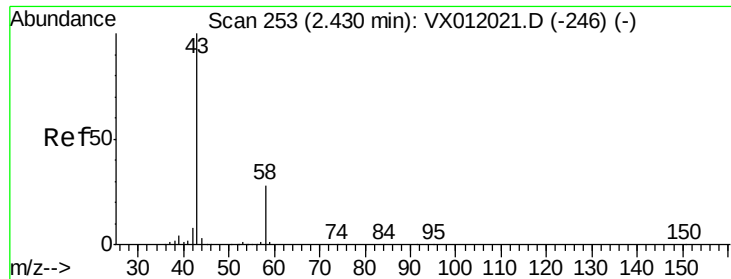
100

0

Time-->

2.95 3.00 3.05 3.10





#16

Acetone

Concen: 49.355 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

Instrument :

MSVOA_X

ClientSampleId :

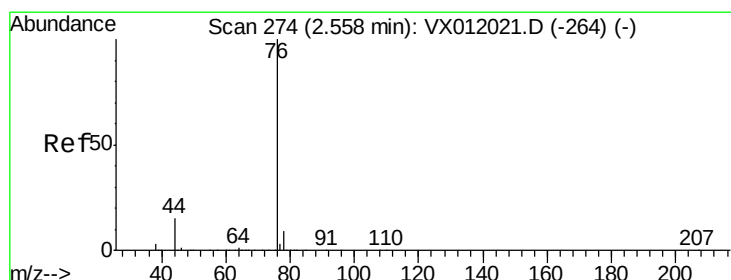
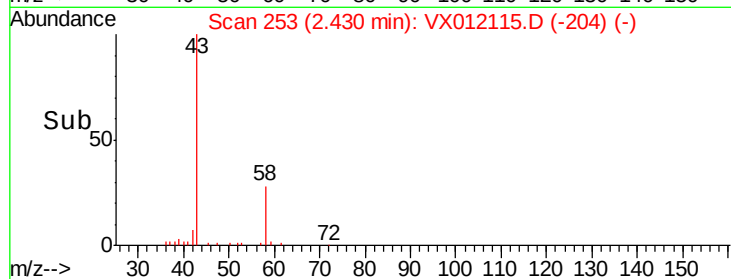
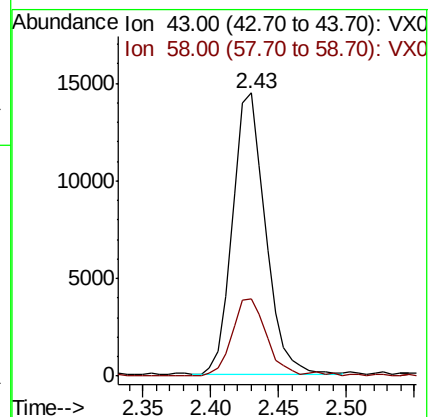
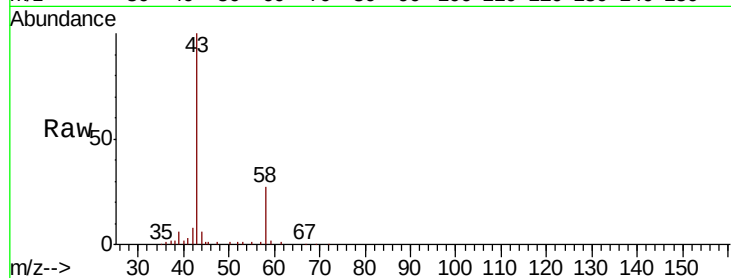
SB-4-28-30

Tgt Ion: 43 Resp: 24272

Ion Ratio Lower Upper

43 100

58 27.6 22.8 34.2



#17

Carbon Disulfide

Concen: 11.078 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012115.D

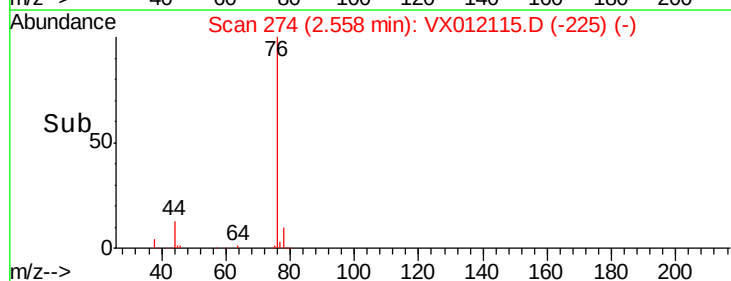
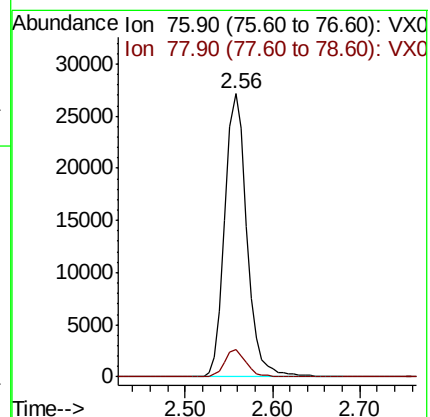
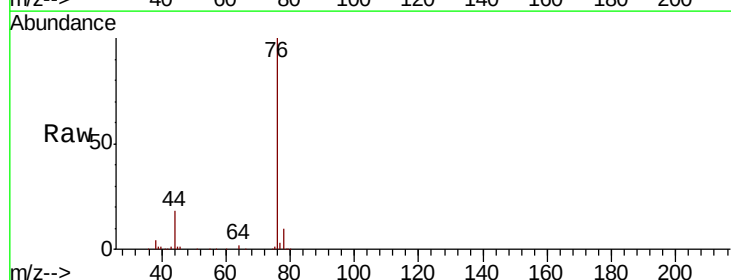
Acq: 05 Sep 2019 21:50

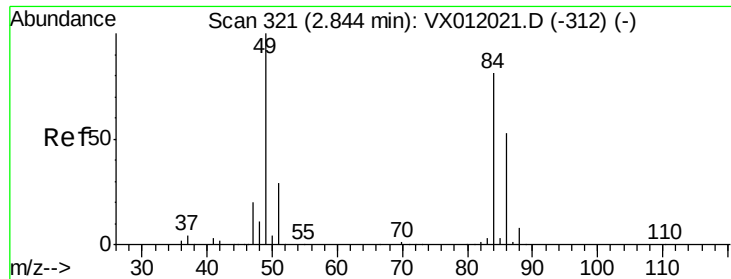
Tgt Ion: 76 Resp: 47536

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2

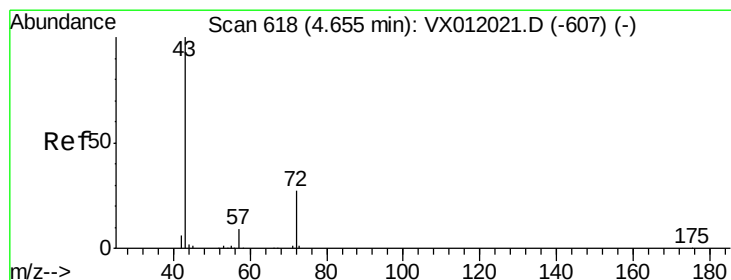
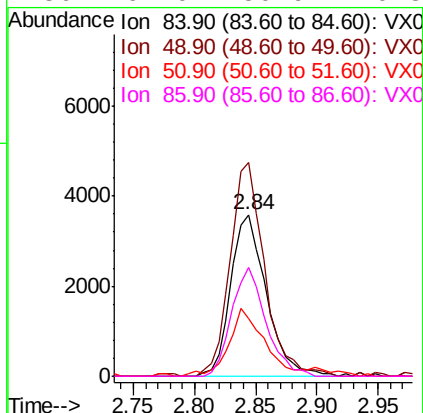
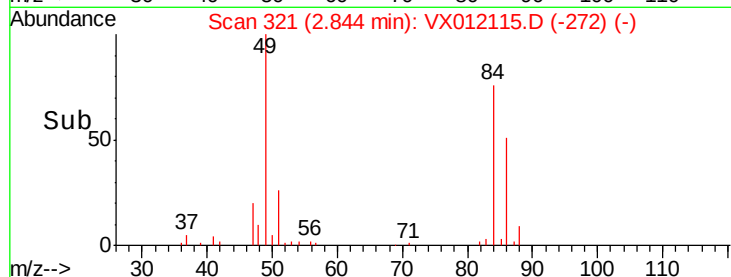
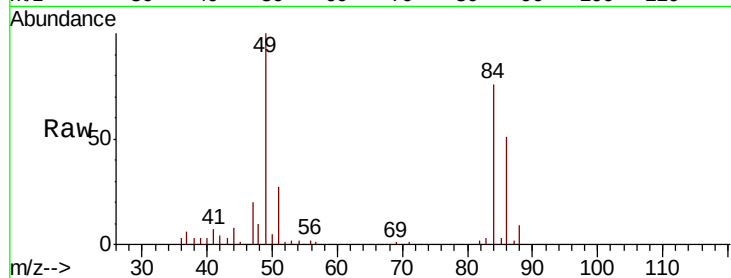




#20
Methylene Chloride
Concen: 3.668 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

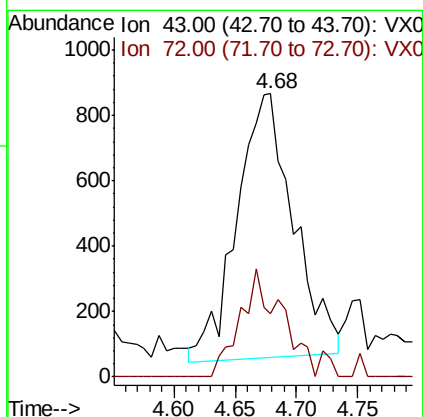
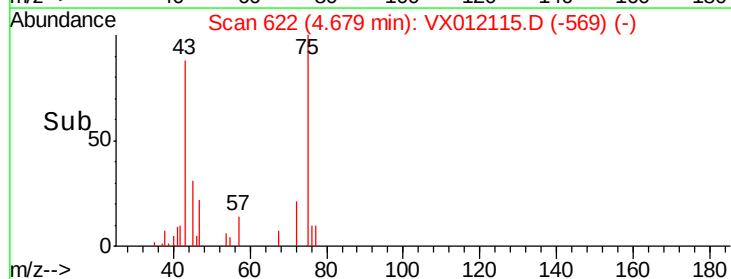
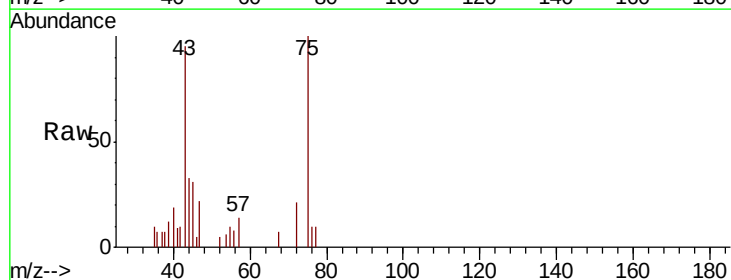
Instrument :
MSVOA_X
ClientSampled :
SB-4-28-30

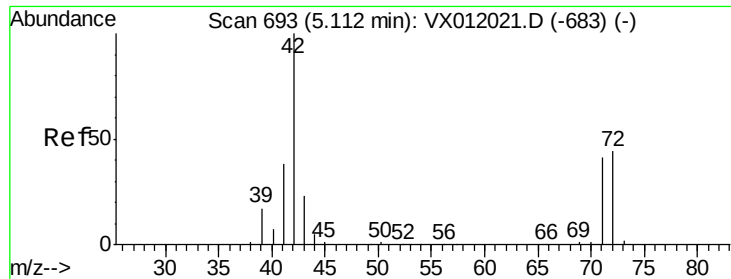
Tgt Ion:	84	Resp:	7244
Ion	Ratio	Lower	Upper
84	100		
49	132.1	95.8	143.8
51	34.2	28.6	43.0
86	67.0	50.9	76.3



#25
2-Butanone
Concen: 4.158 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

Tgt Ion:	43	Resp:	2603
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.3	31.9

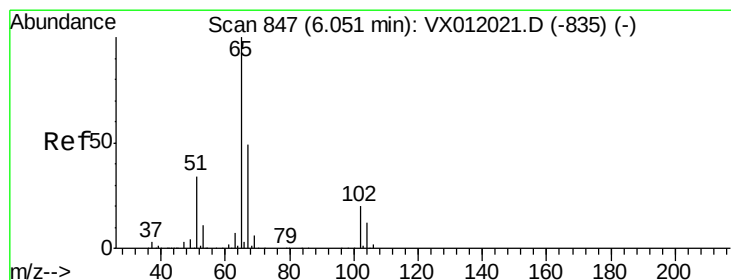
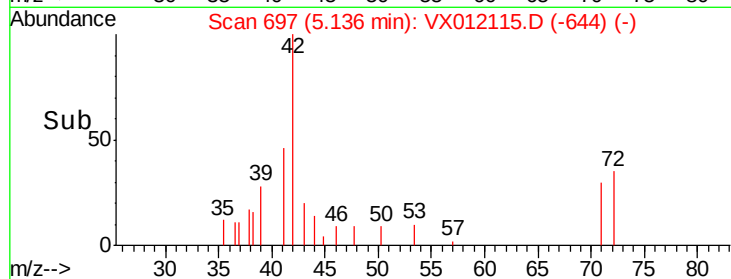
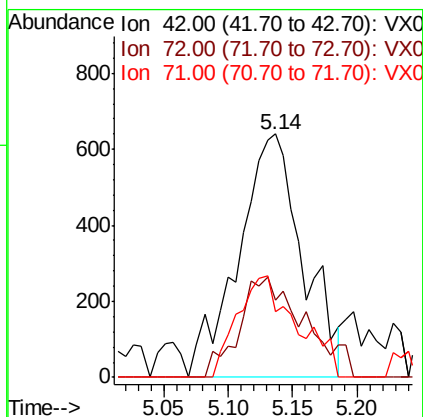
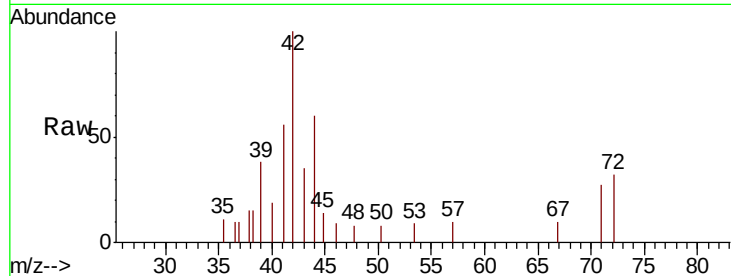




#29
Tetrahydrofuran
Concen: 5.899 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

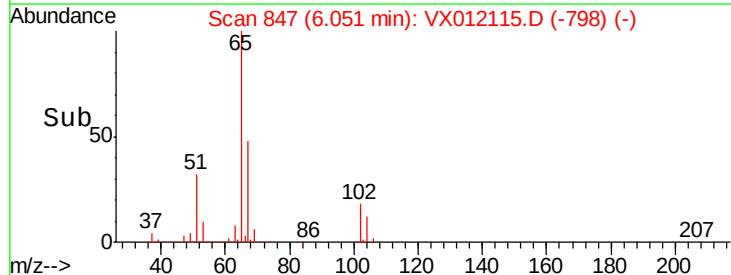
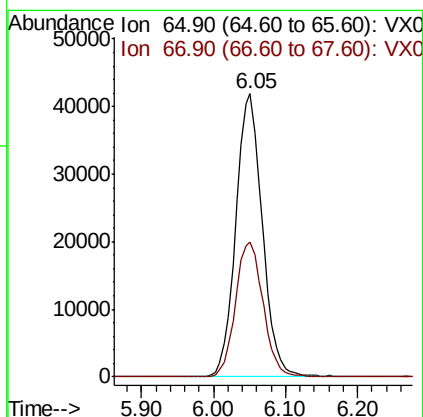
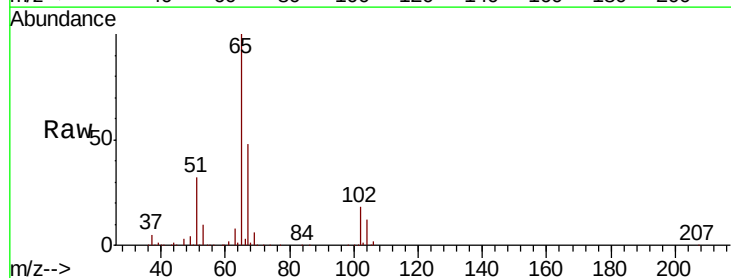
Instrument :
MSVOA_X
ClientSampled :
SB-4-28-30

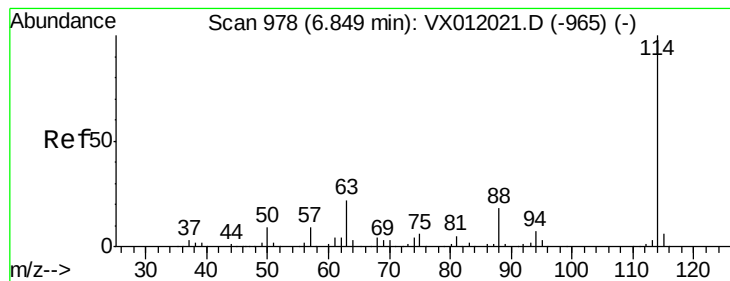
Tgt Ion: 42 Resp: 2225
Ion Ratio Lower Upper
42 100
72 41.8 37.0 55.4
71 38.4 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 52.076 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

Tgt Ion: 65 Resp: 107145
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

Instrument :

MSVOA_X

ClientSampleId :

SB-4-28-30

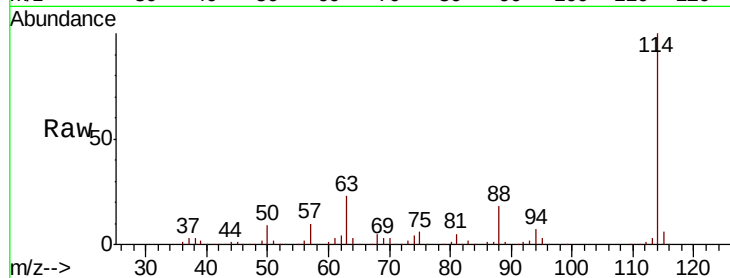
Tgt Ion:114 Resp: 255490

Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.4

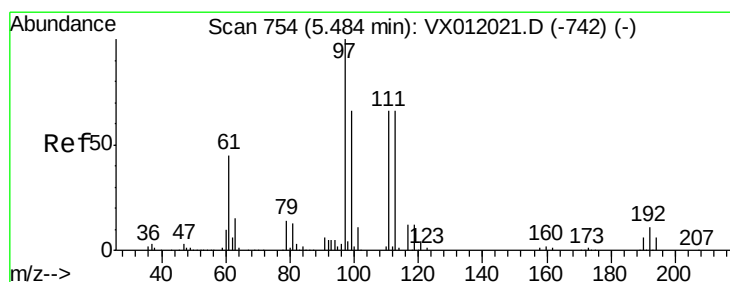
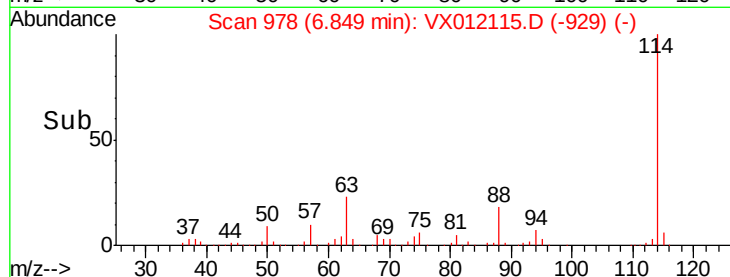
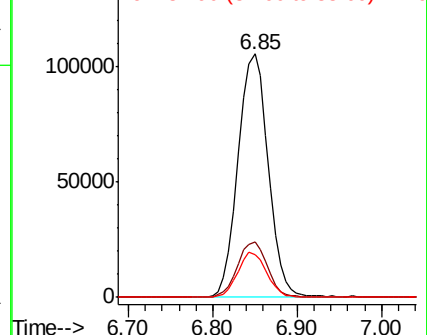
88 17.7 0.0 29.6



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: 49.557 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

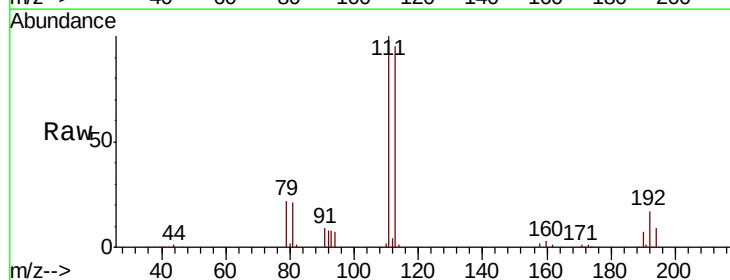
Tgt Ion:113 Resp: 77863

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

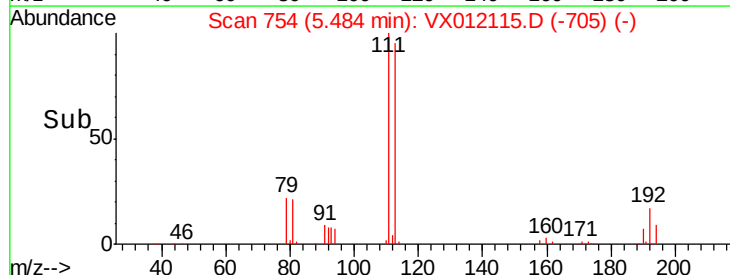
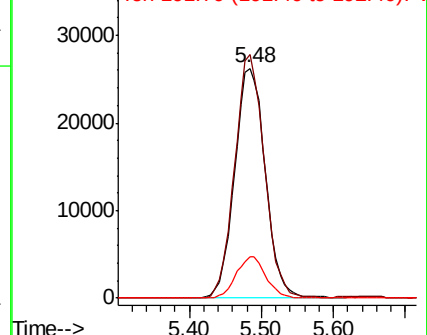
192 17.4 22.5 33.7#

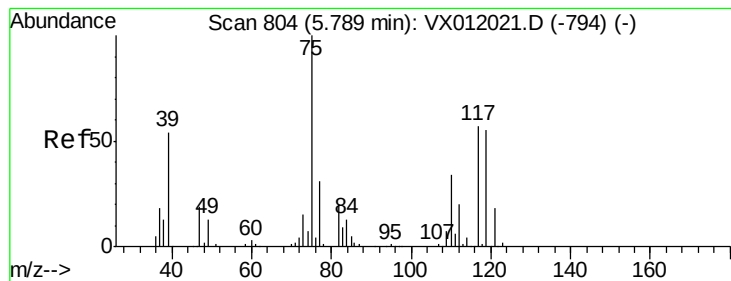


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.249 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

Instrument :

MSVOA_X

ClientSampleId :

SB-4-28-30

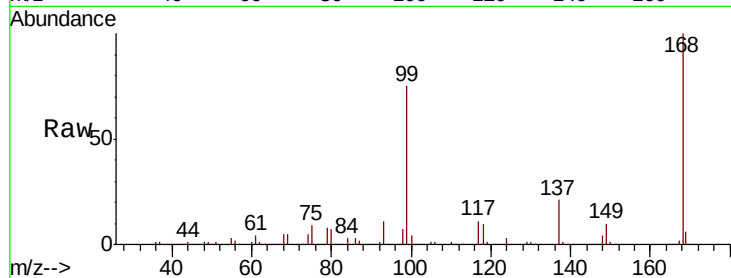
Tgt Ion: 75 Resp: 14062

Ion Ratio Lower Upper

75 100

110 10.3 19.5 58.5#

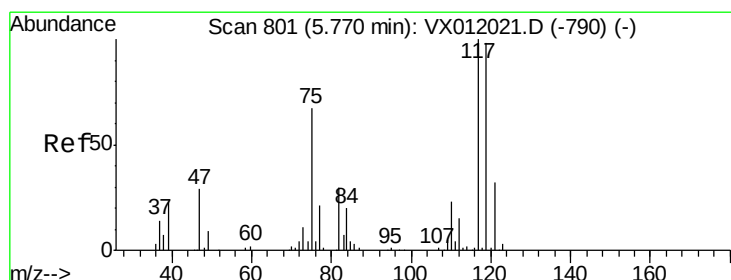
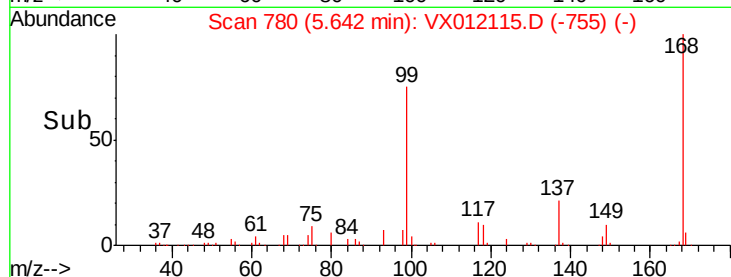
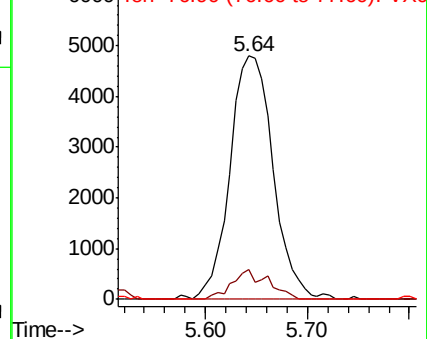
77 0.0 24.6 37.0#



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: 7.224 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

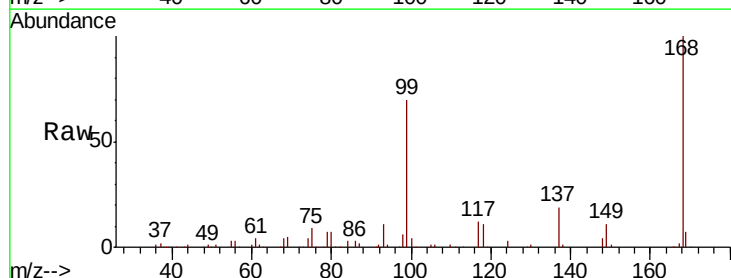
Tgt Ion: 117 Resp: 17129

Ion Ratio Lower Upper

117 100

119 4.0 78.3 117.5#

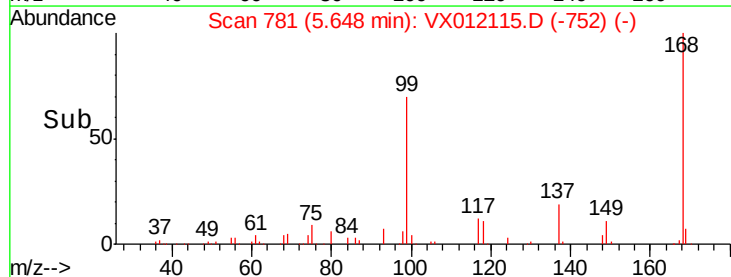
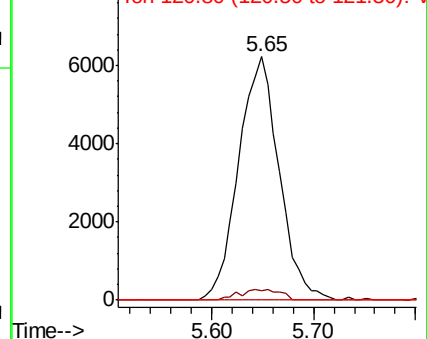
121 0.0 24.2 36.2#

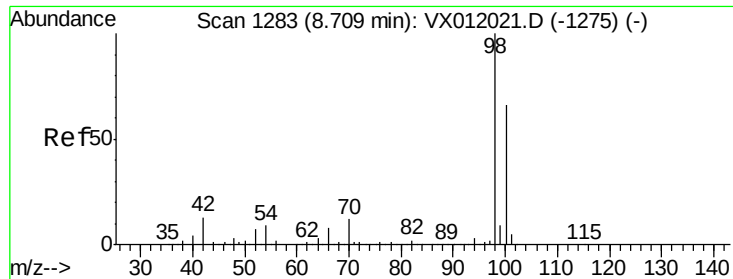


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

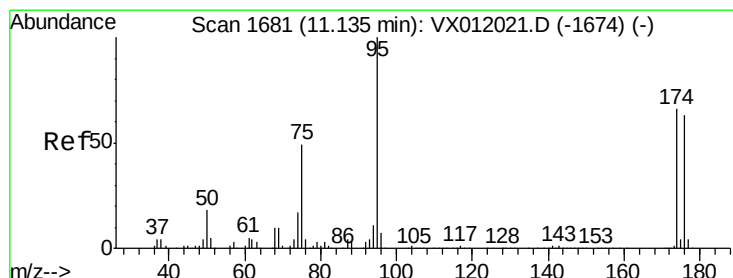
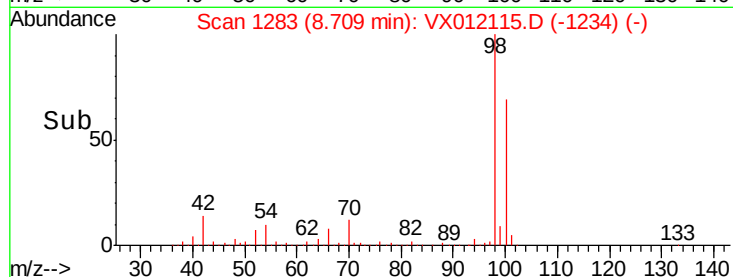
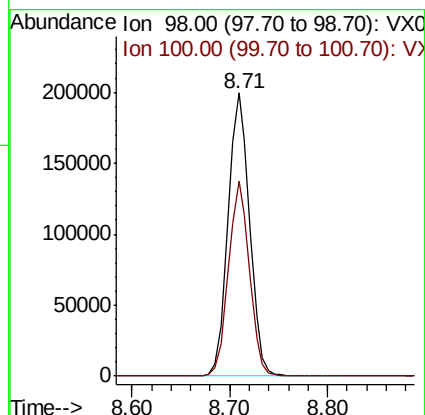
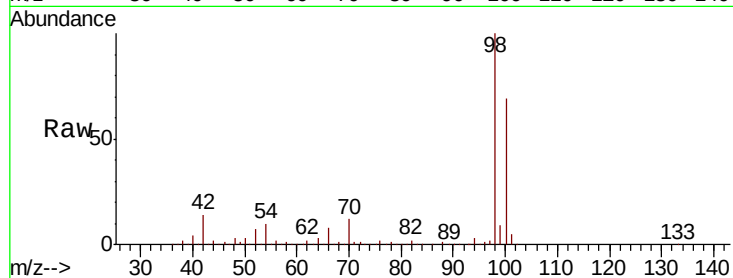




#50
Toluene-d8
Concen: 52.679 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

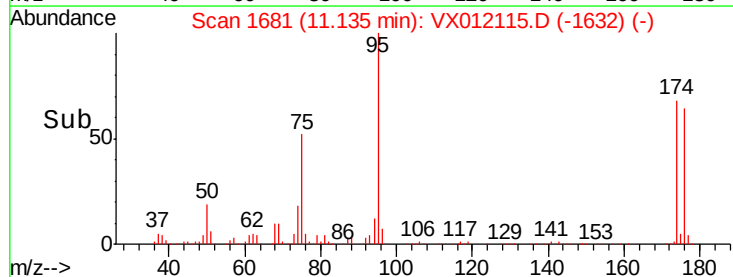
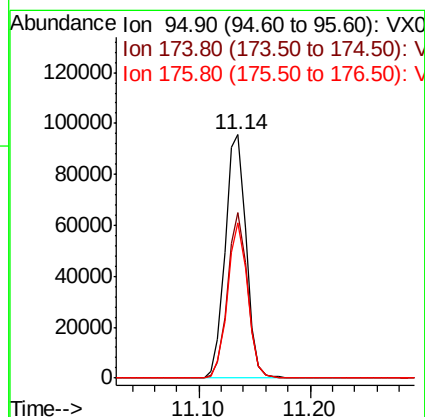
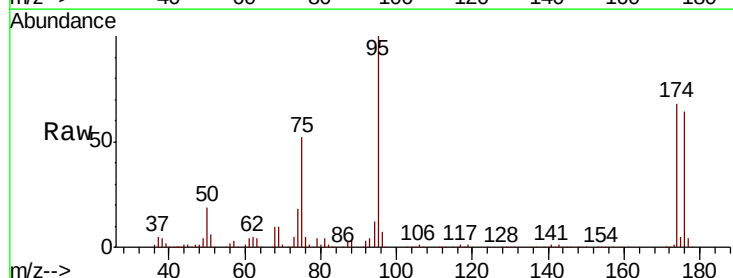
Instrument :
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SB-4-28-30

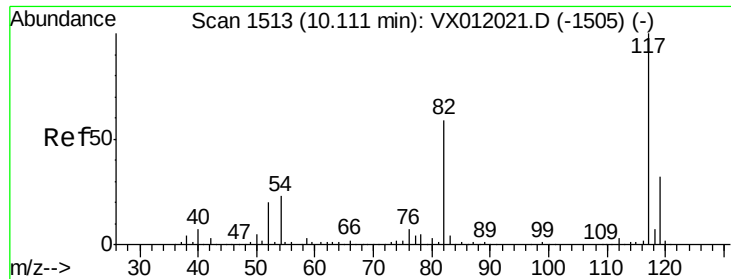
Tgt Ion: 98 Resp: 303724
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.596 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

Tgt Ion: 95 Resp: 124940
Ion Ratio Lower Upper
95 100
174 64.5 0.0 205.4
176 61.1 0.0 201.8

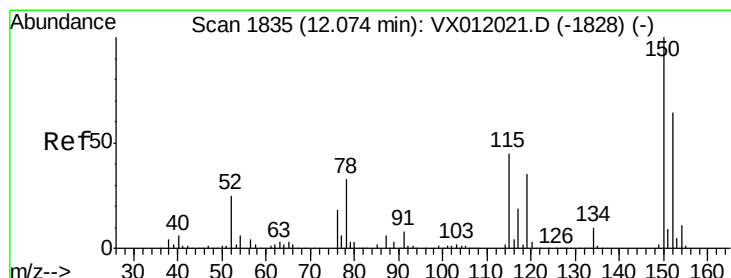
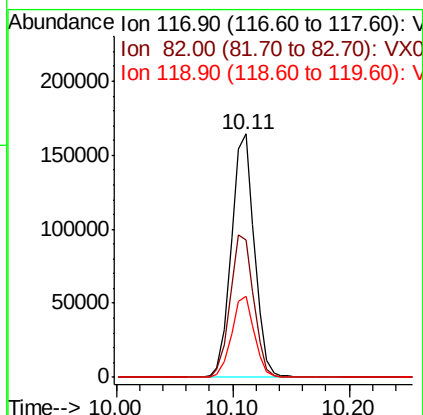
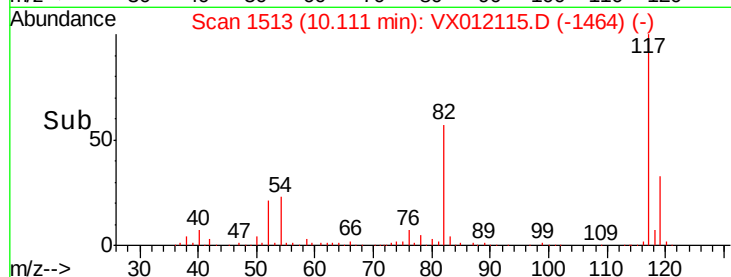
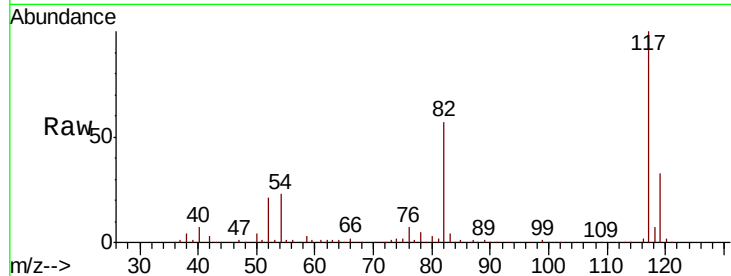




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

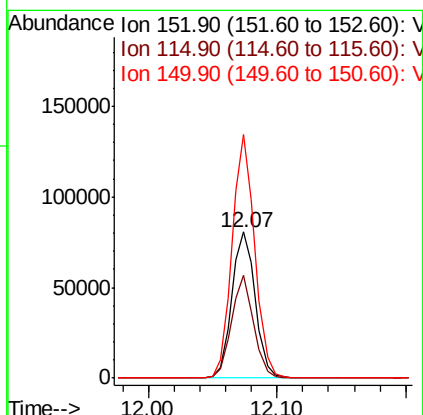
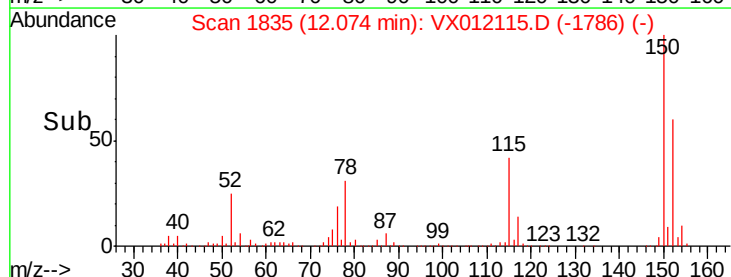
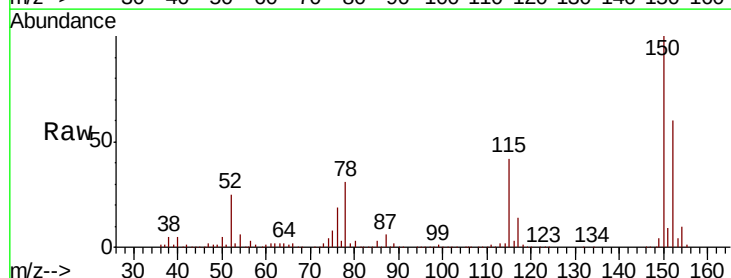
Instrument :
MSVOA_X
ClientSampleId :
SB-4-28-30

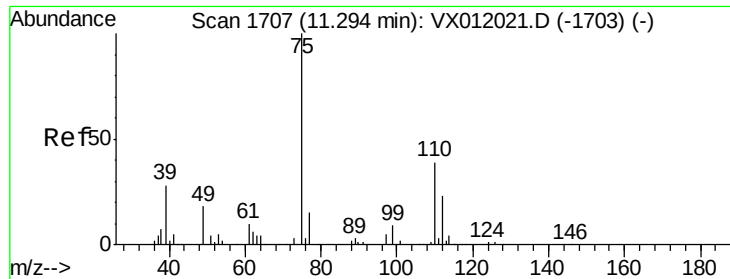
Tgt Ion:117 Resp: 226631
Ion Ratio Lower Upper
117 100
82 56.7 39.4 59.0
119 33.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012115.D
Acq: 05 Sep 2019 21:50

Tgt Ion:152 Resp: 102224
Ion Ratio Lower Upper
152 100
115 66.5 36.4 109.3
150 161.5 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 52.098 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

Instrument :

MSVOA_X

ClientSampled :

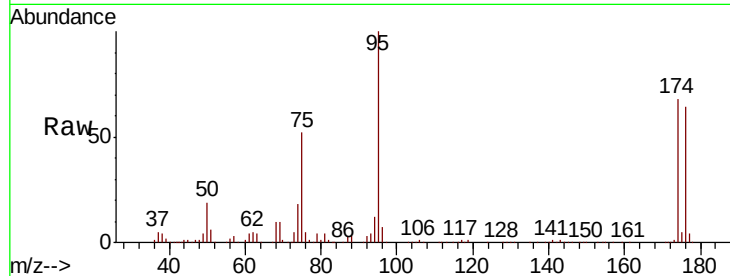
SB-4-28-30

Tgt Ion: 75 Resp: 65072

Ion Ratio Lower Upper

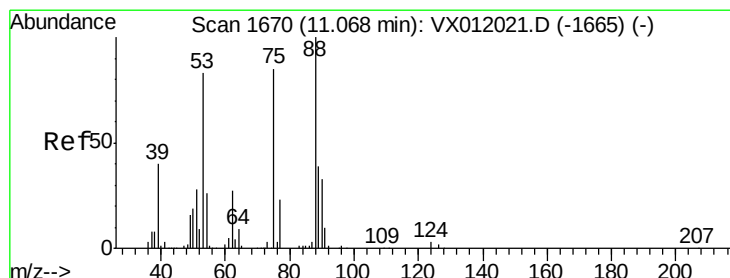
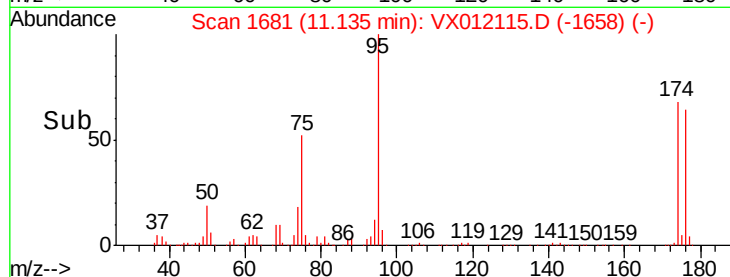
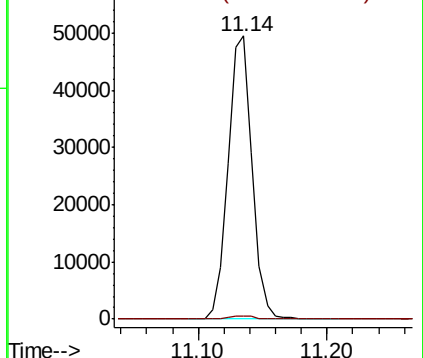
75 100

77 1.3 23.5 70.5#



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: 123.169 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012115.D

Acq: 05 Sep 2019 21:50

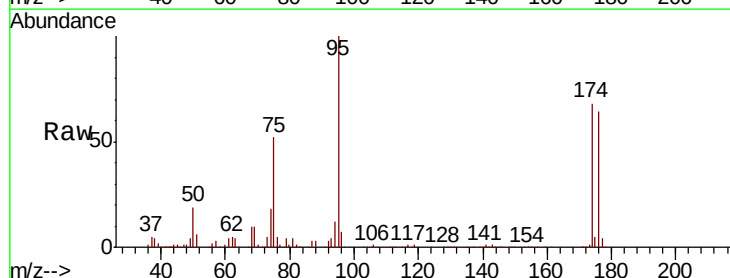
Tgt Ion: 75 Resp: 65072

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



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

