

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012275.D
 Acq On : 11 Sep 2019 01:15
 Operator : SY/SP
 Sample : K4624-14
 Misc : 7.93g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A4-(4)

Quant Time: Sep 11 02:29:43 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	175300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98022	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	119686	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.48	113	90638	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	8.71	98	353491	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	128348	40.88	ug/l	0.00
Spiked Amount			Recovery	=	81.76%	

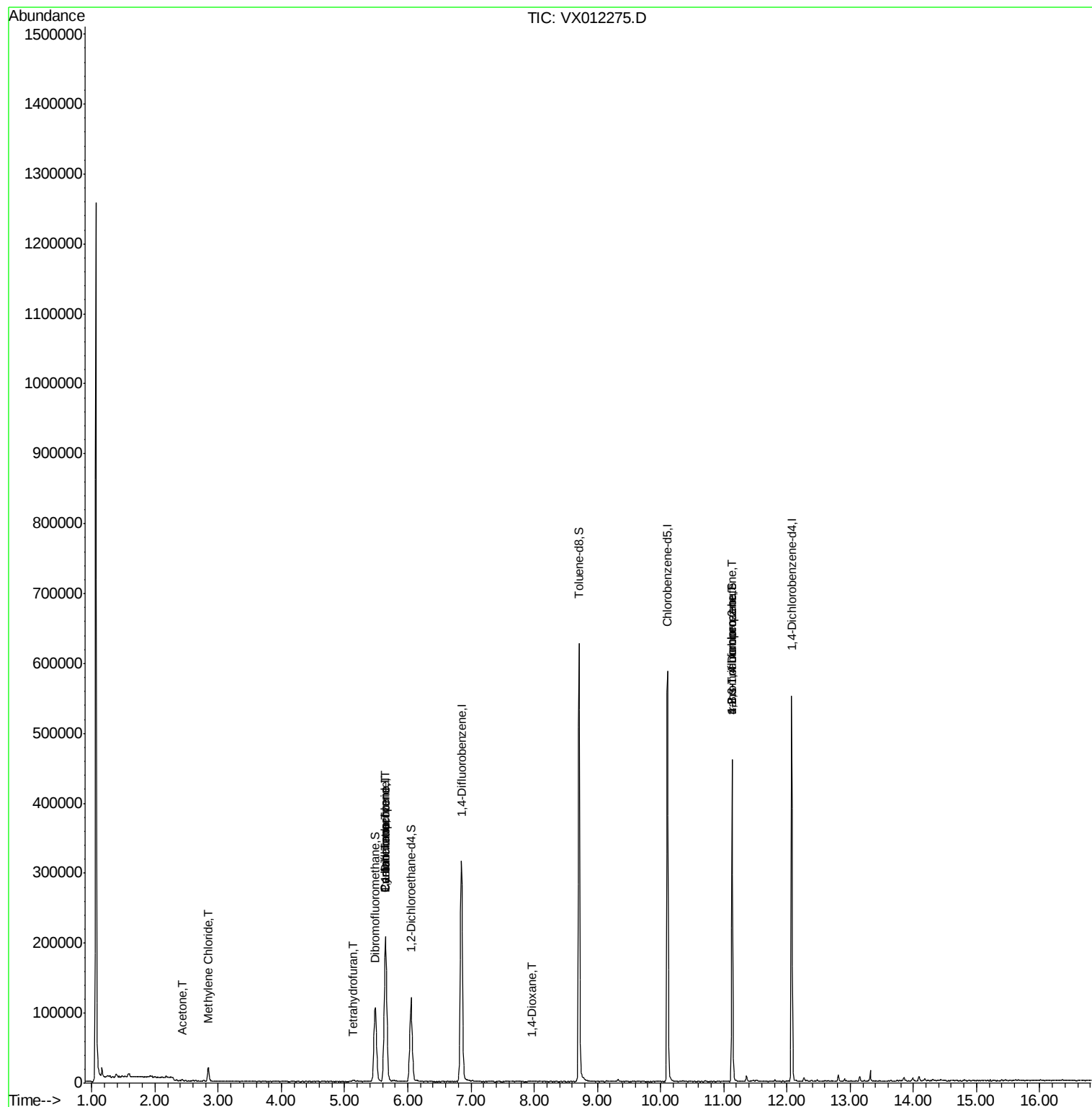
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	124	Below Cal		89
11) Tert butyl alcohol	3.03	59	429	Below Cal		99
16) Acetone	2.43	43	1707	2.909	ug/l	99
20) Methylene Chloride	2.84	84	8515	2.129	ug/l	91
29) Tetrahydrofuran	5.12	42	1828	4.517	ug/l #	74
31) Cyclohexane	5.65	56	4984	2.166	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	15918	7.248	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20836	8.086	ug/l #	15
49) 1,4-Dioxane	7.97	88	19	1.028	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	69141	54.907	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	69141	164.514	ug/l #	5

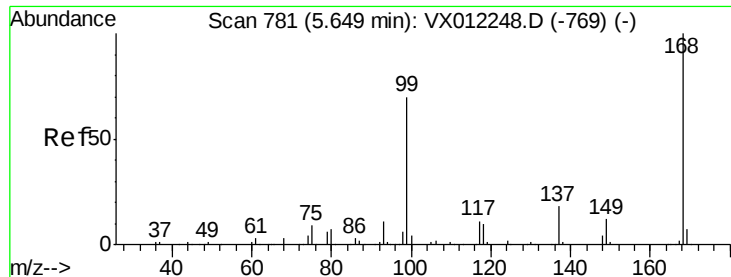
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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QLast Update : Tue Sep 10 12:55:26 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: VX012275.D

Acq: 11 Sep 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

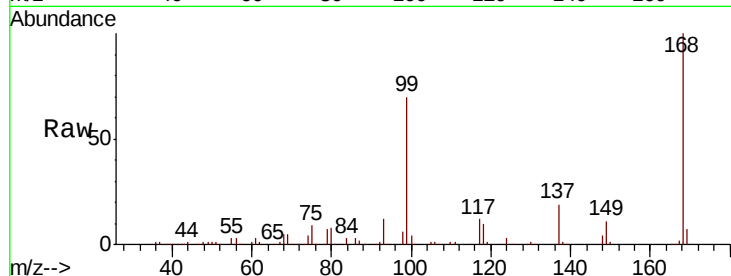
T-11-A4-(4)

Tgt Ion:168 Resp: 175300

Ion Ratio Lower Upper

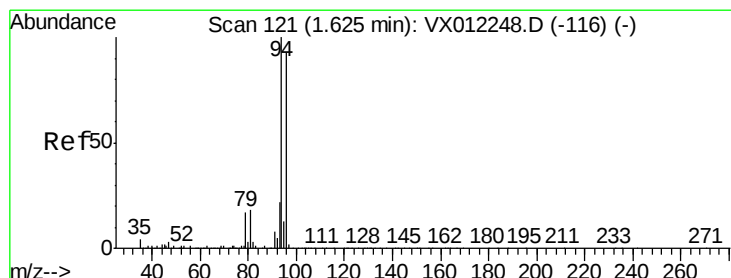
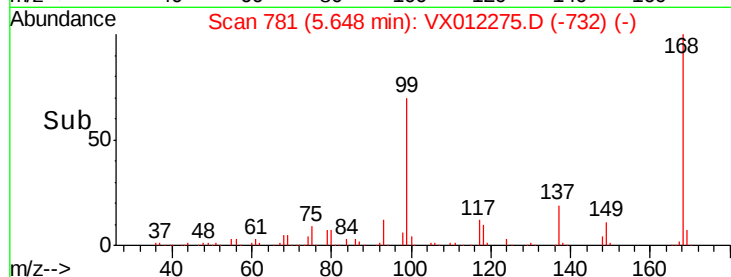
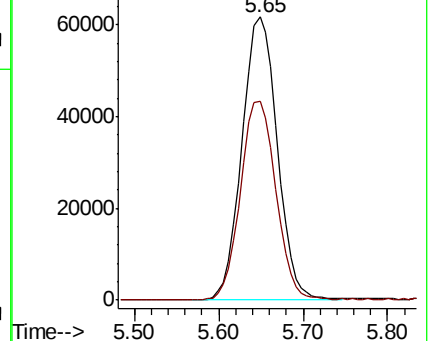
168 100

99 70.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012275.D

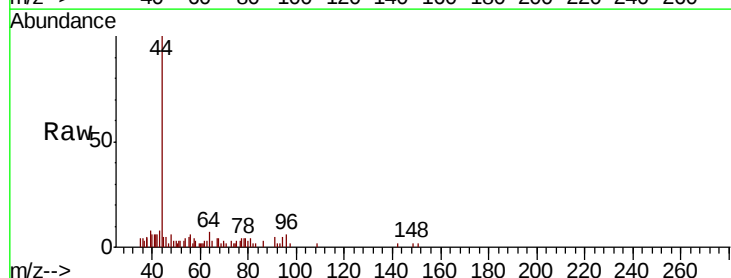
Acq: 11 Sep 2019 01:15

Tgt Ion: 94 Resp: 124

Ion Ratio Lower Upper

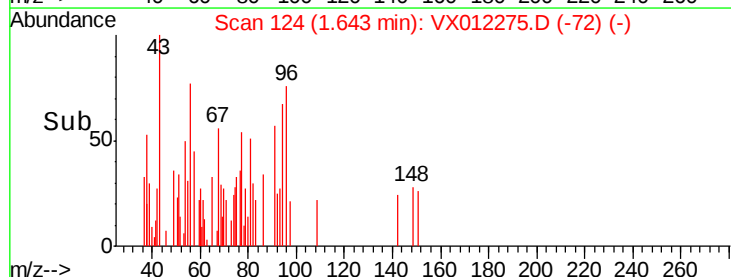
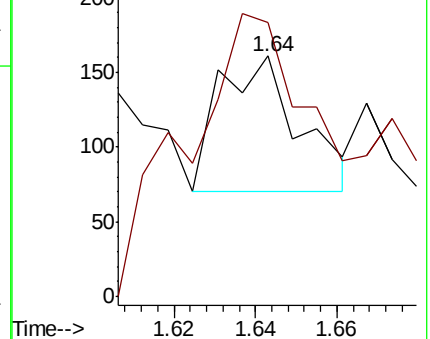
94 100

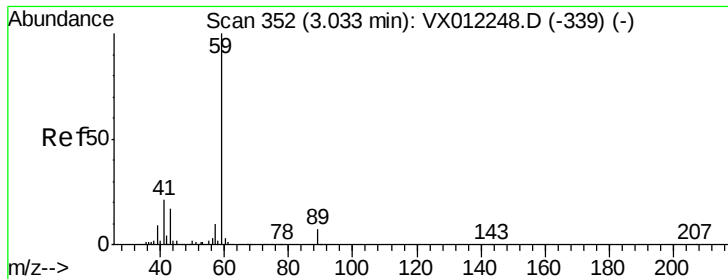
96 103.3 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

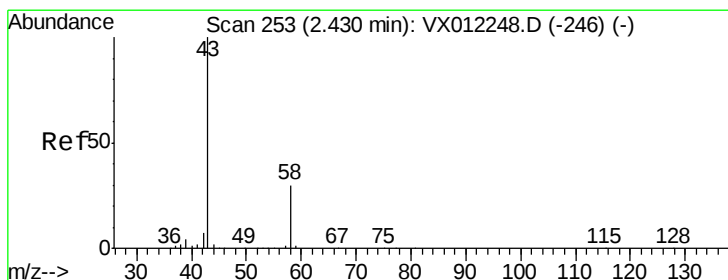
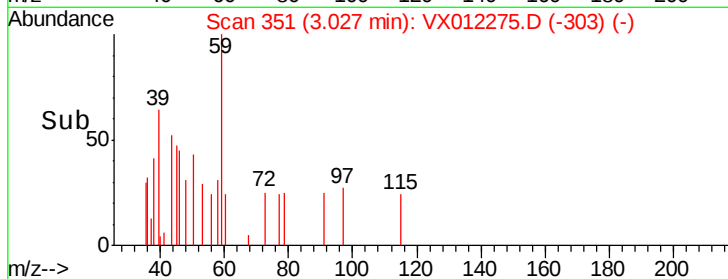
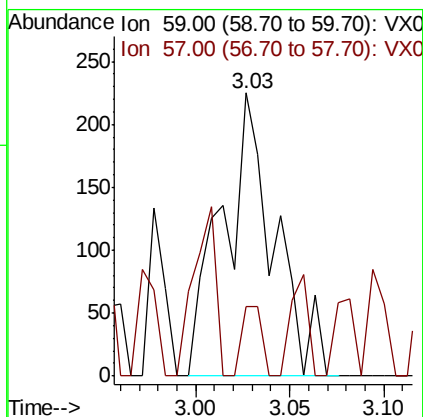
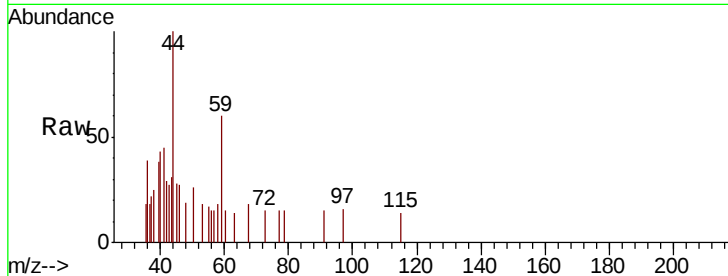




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012275.D
Acq: 11 Sep 2019 01:15

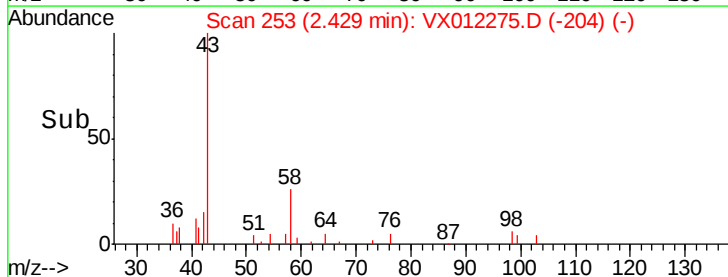
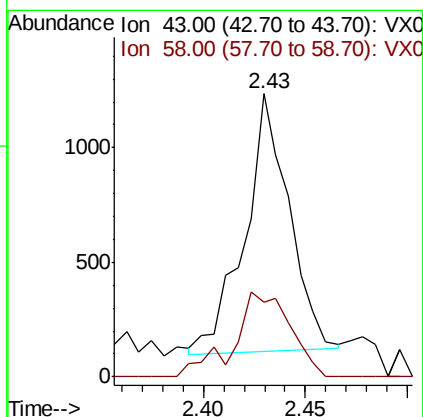
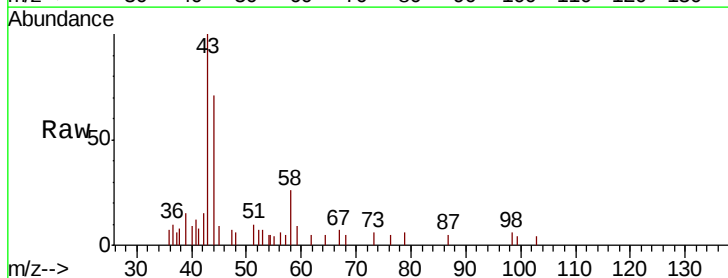
Instrument :
MSVOA_X
ClientSampleId :
T-11-A4-(4)

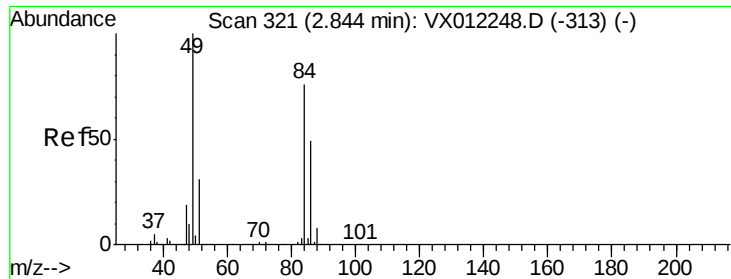
Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 9.3 7.8 11.6



#16
Acetone
Concen: 2.909 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012275.D
Acq: 11 Sep 2019 01:15

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 29.2 23.6 35.4

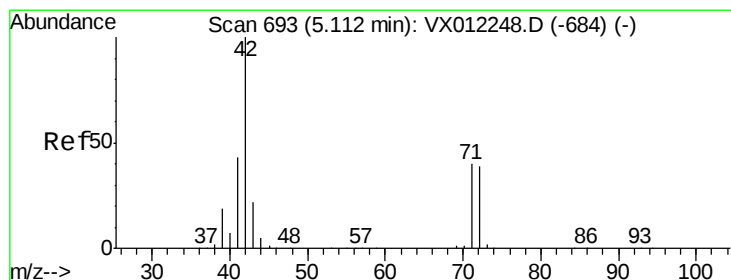
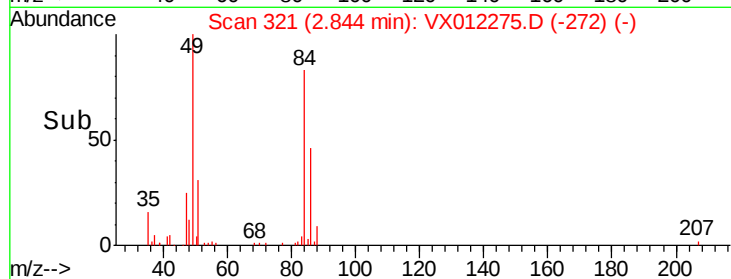
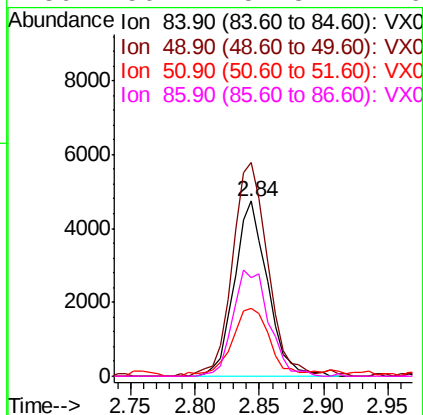
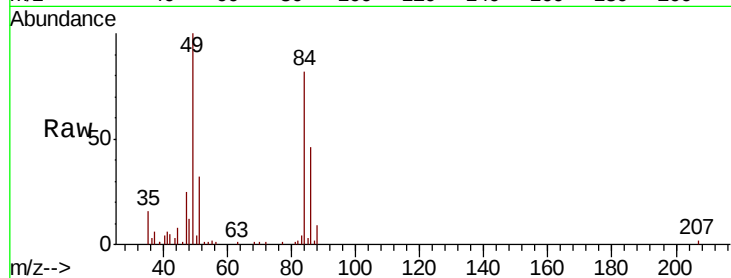




#20
Methylene Chloride
Concen: 2.129 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012275.D
Acq: 11 Sep 2019 01:15

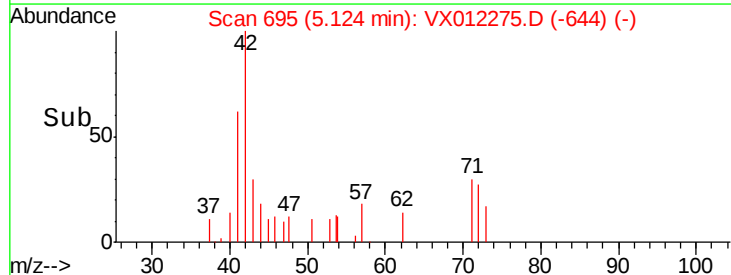
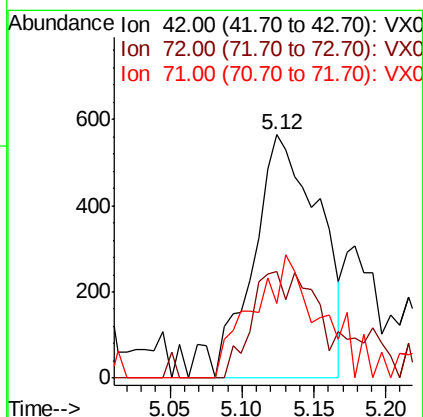
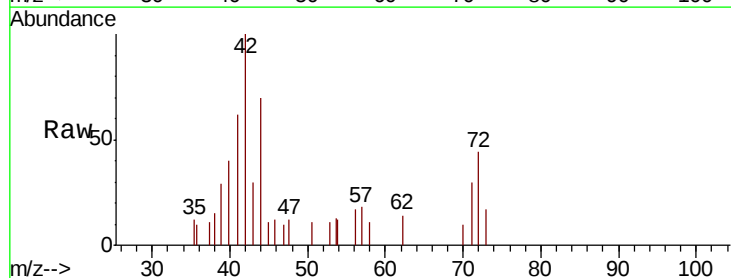
Instrument :
MSVOA_X
ClientSampled :
T-11-A4-(4)

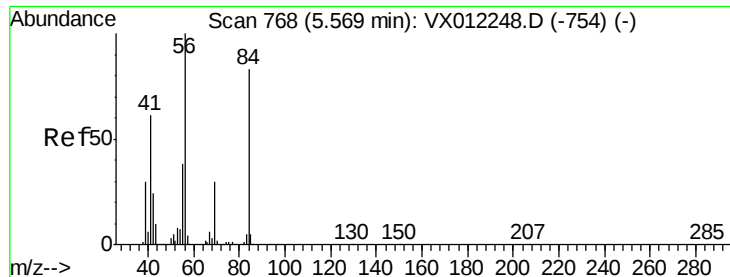
Tgt Ion:	84	Resp:	8515
Ion	Ratio	Lower	Upper
84	100		
49	121.9	105.0	157.6
51	36.6	32.6	48.8
86	56.1	51.8	77.6



#29
Tetrahydrofuran
Concen: 4.517 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012275.D
Acq: 11 Sep 2019 01:15

Tgt Ion:	42	Resp:	1828
Ion	Ratio	Lower	Upper
42	100		
72	22.8	35.2	52.8#
71	52.2	32.5	48.7#

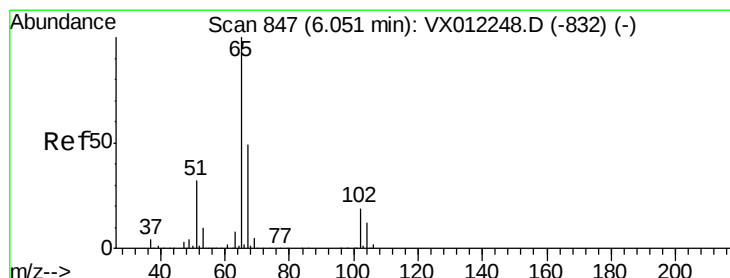
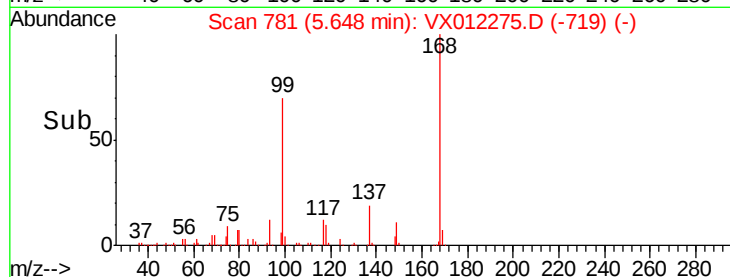
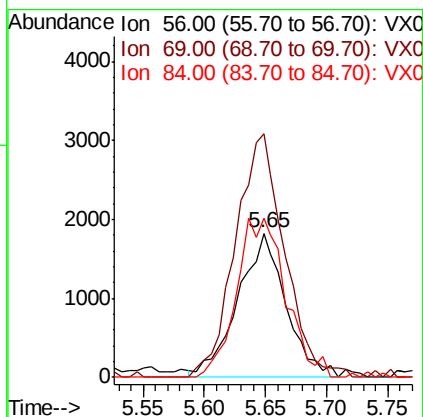
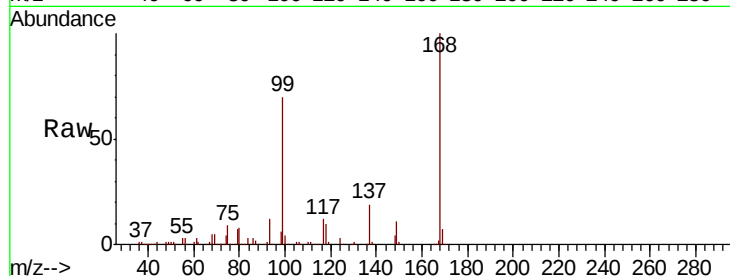




#31
Cyclohexane
Concen: 2.166 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012275.D
Acq: 11 Sep 2019 01:15

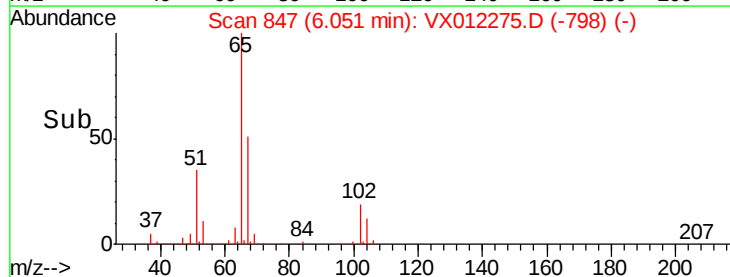
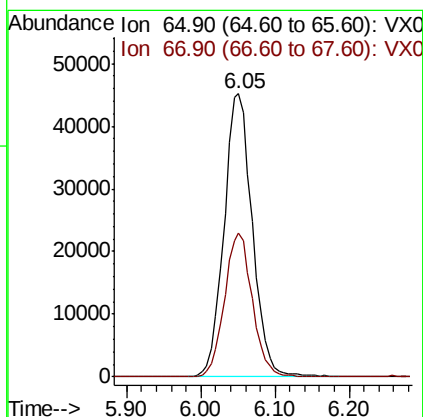
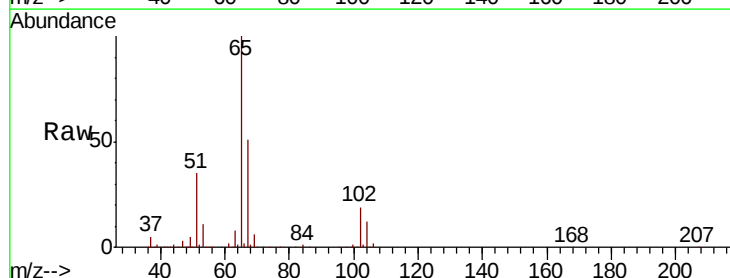
Instrument :
MSVOA_X
ClientSampled :
T-11-A4-(4)

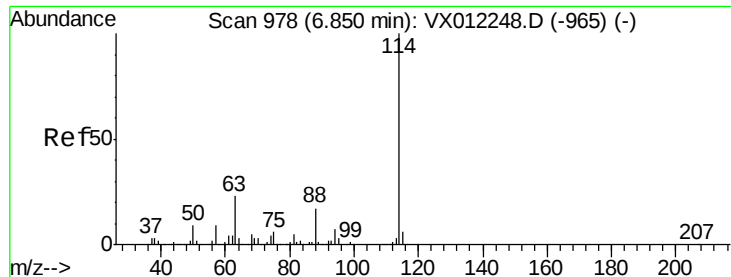
Tgt Ion: 56 Resp: 4984
Ion Ratio Lower Upper
56 100
69 168.7 23.8 35.6#
84 110.6 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 48.292 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012275.D
Acq: 11 Sep 2019 01:15

Tgt Ion: 65 Resp: 119686
Ion Ratio Lower Upper
65 100
67 50.0 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: VX012275.D

Acq: 11 Sep 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(4)

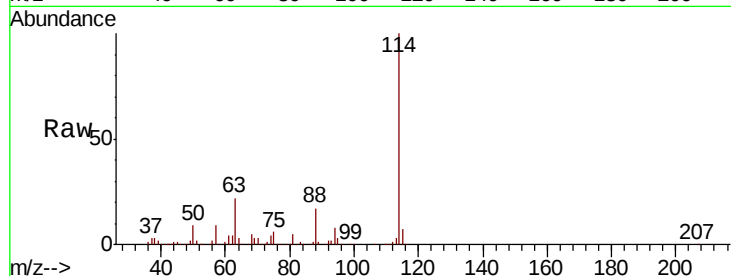
Tgt Ion:114 Resp: 301205

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

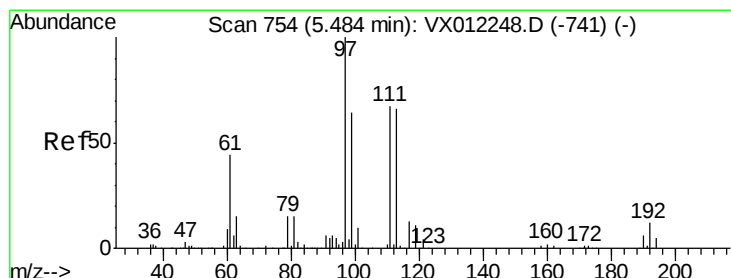
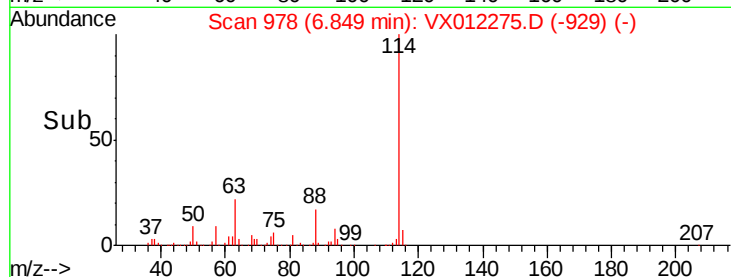
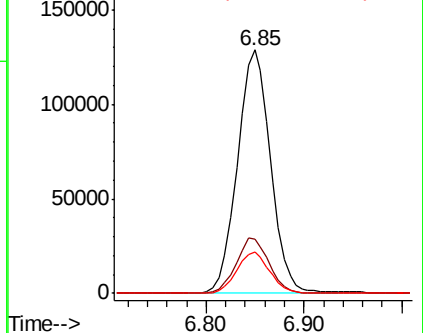
88 17.0 0.0 34.8



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: 46.942 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012275.D

Acq: 11 Sep 2019 01:15

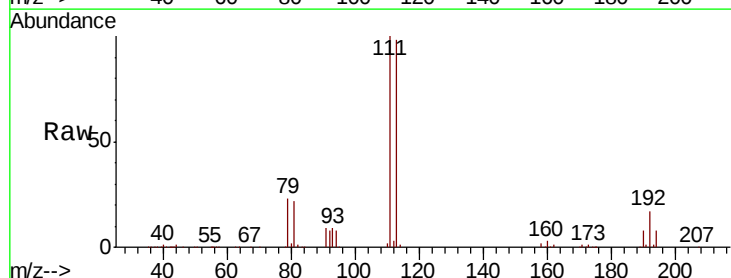
Tgt Ion:113 Resp: 90638

Ion Ratio Lower Upper

113 100

111 104.7 83.0 124.6

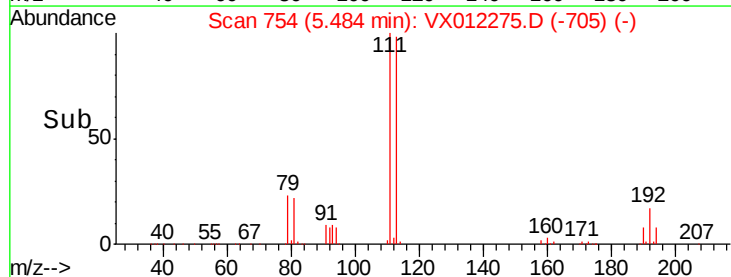
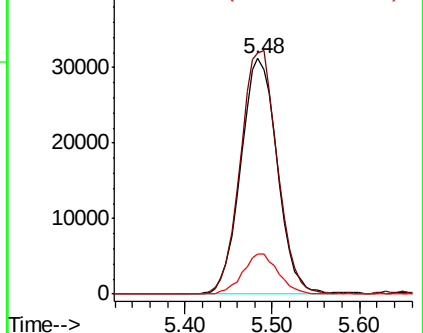
192 16.8 14.3 21.5

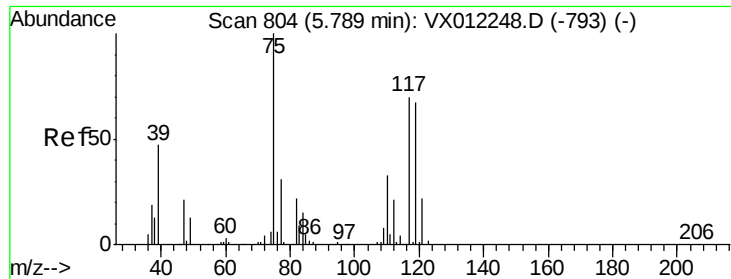


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

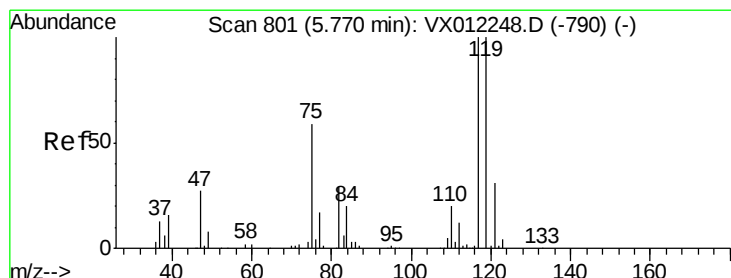
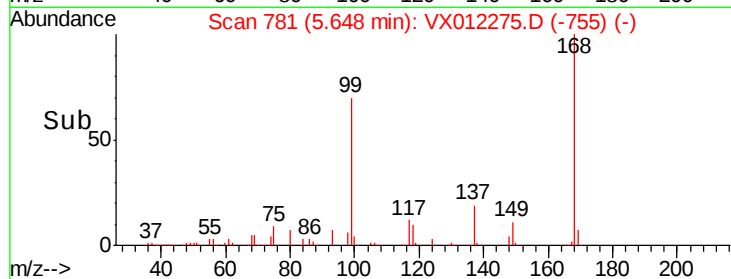
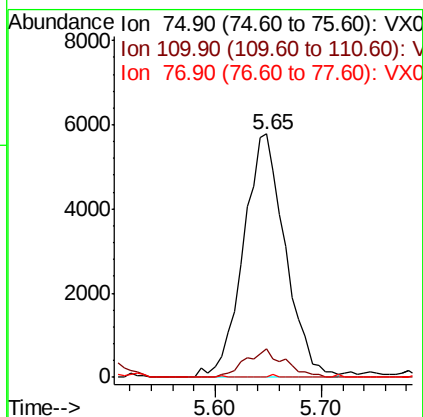
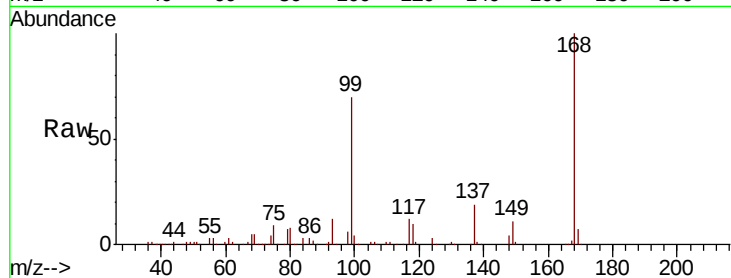




#36
 1,1-Dichloropropene
 Concen: 7.248 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012275.D
 Acq: 11 Sep 2019 01:15

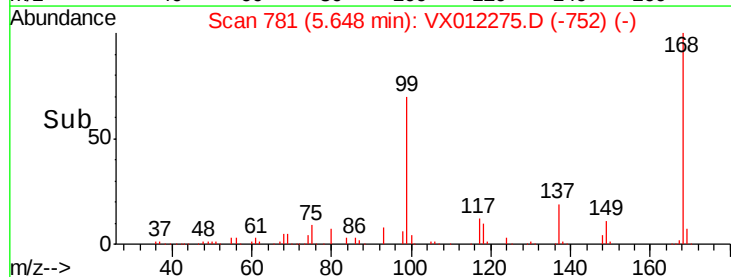
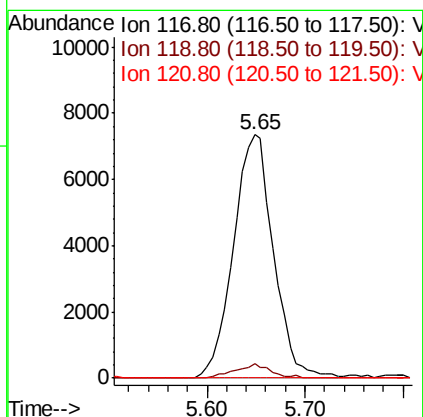
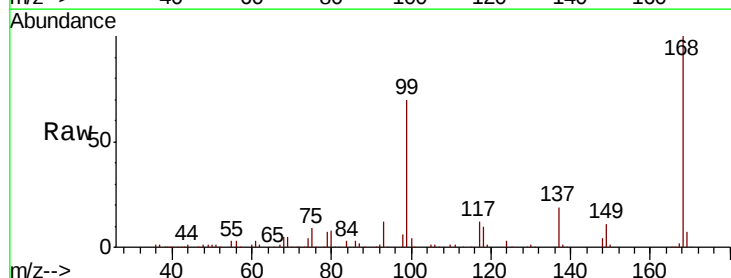
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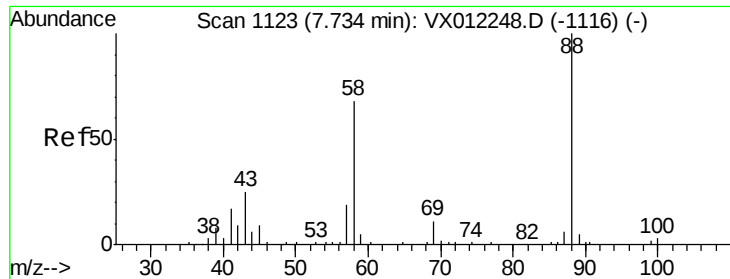
Tgt Ion: 75 Resp: 15918
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.086 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012275.D
 Acq: 11 Sep 2019 01:15

Tgt Ion: 117 Resp: 20836
 Ion Ratio Lower Upper
 117 100
 119 6.1 79.6 119.4#
 121 0.0 24.7 37.1#

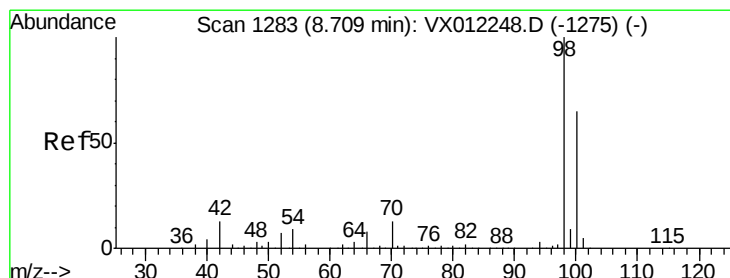
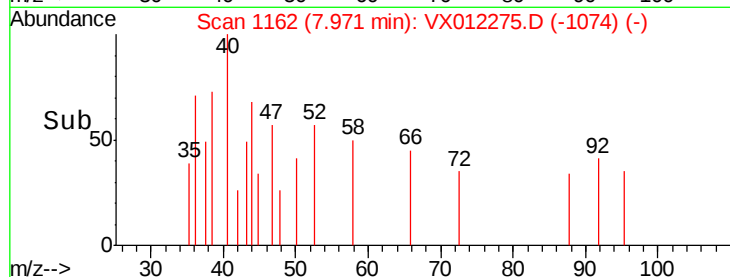
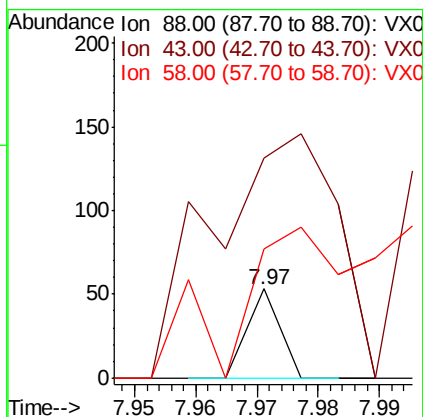
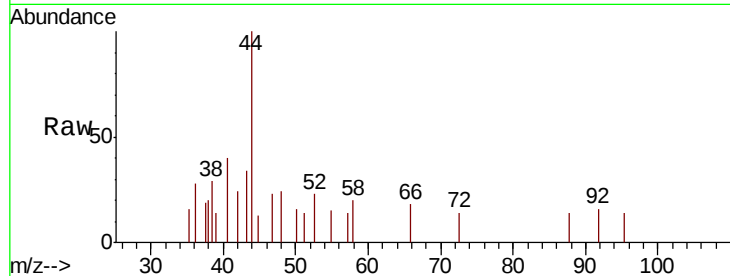




#49
 1,4-Dioxane
 Concen: 1.028 ug/l
 RT: 7.97 min Scan# 1162
 Delta R.T. 0.24 min
 Lab File: VX012275.D
 Acq: 11 Sep 2019 01:15

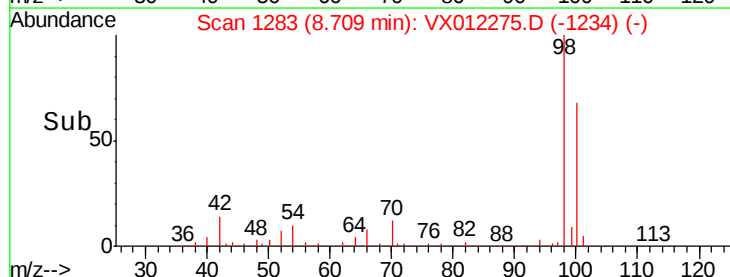
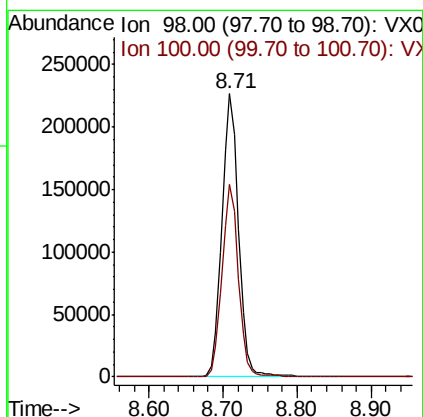
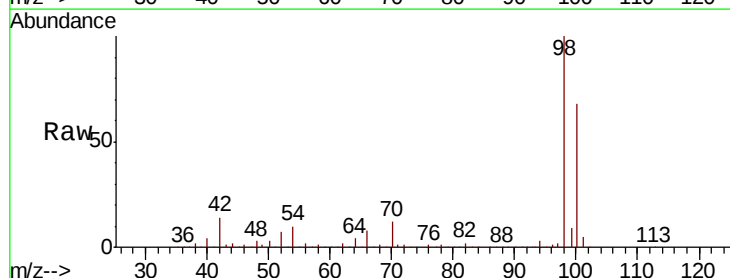
Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A4-(4)

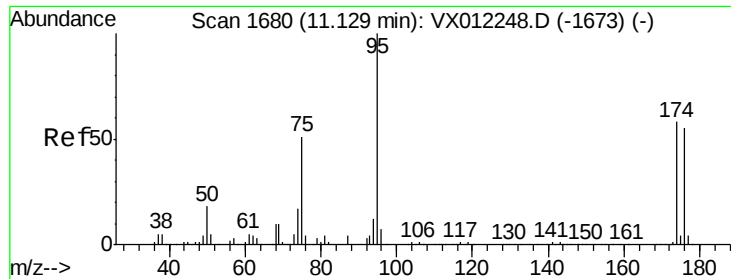
Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 1084.2 31.0 46.4#
 58 0.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 52.197 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012275.D
 Acq: 11 Sep 2019 01:15

Tgt Ion: 98 Resp: 353491
 Ion Ratio Lower Upper
 98 100
 100 67.3 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 40.880 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012275.D

Acq: 11 Sep 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(4)

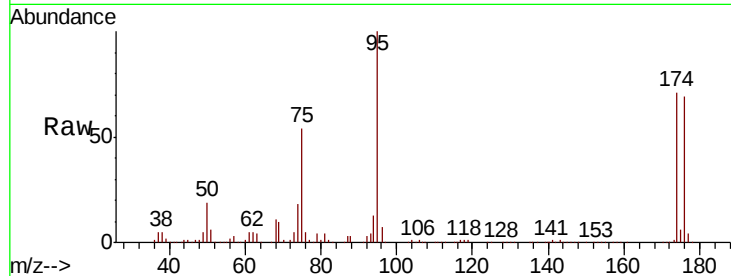
Tgt Ion: 95 Resp: 128348

Ion Ratio Lower Upper

95 100

174 65.7 0.0 127.0

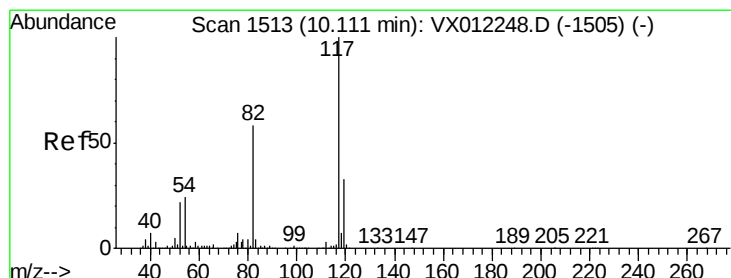
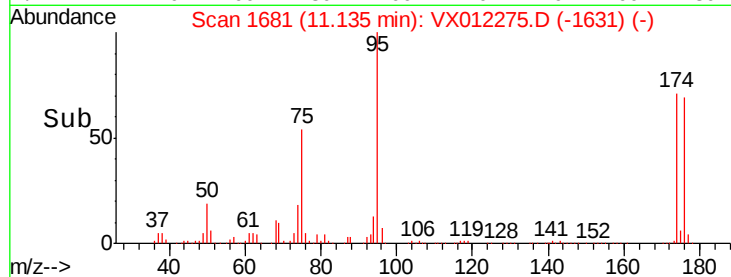
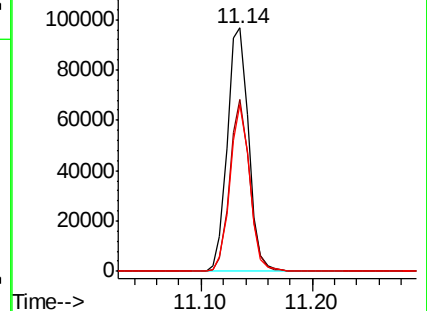
176 63.5 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012275.D

Acq: 11 Sep 2019 01:15

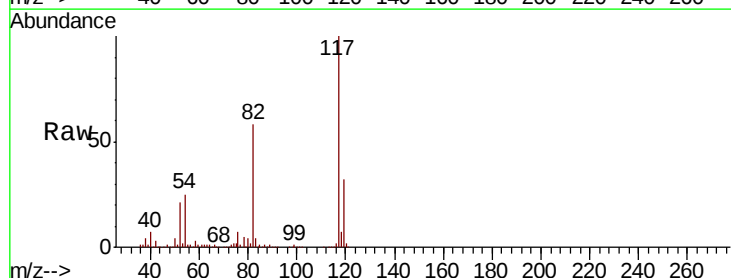
Tgt Ion: 117 Resp: 256391

Ion Ratio Lower Upper

117 100

82 58.2 46.4 69.6

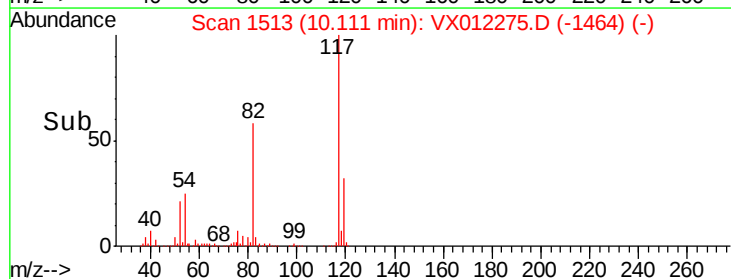
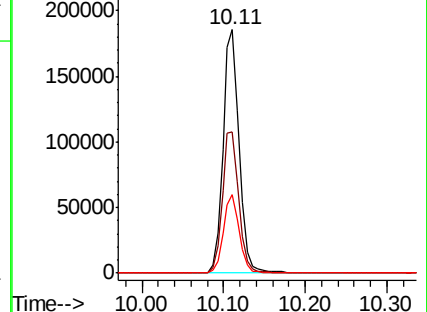
119 32.4 26.6 39.8

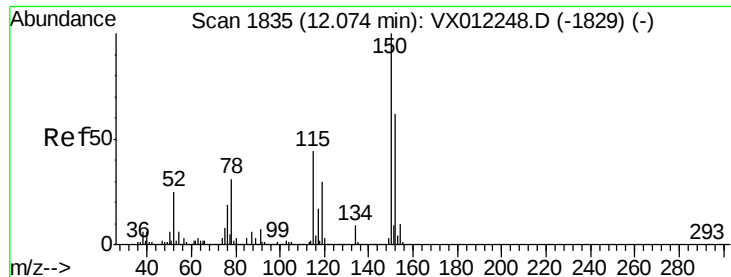


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012275.D

Acq: 11 Sep 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(4)

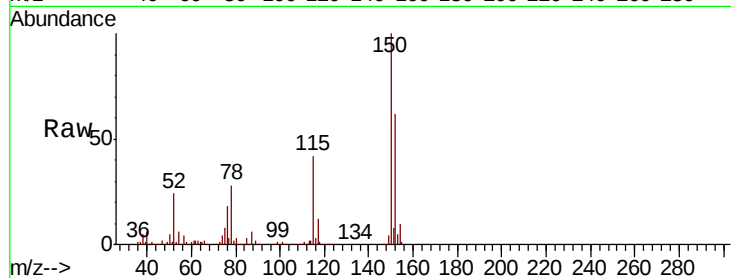
Tgt Ion:152 Resp: 98022

Ion Ratio Lower Upper

152 100

115 66.2 45.5 136.4

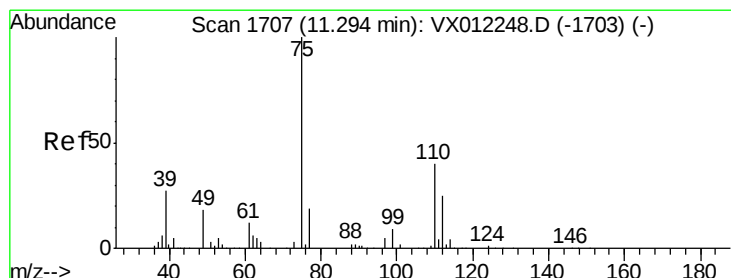
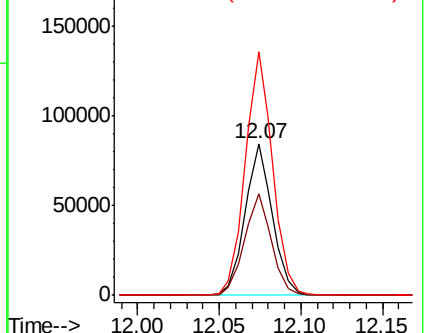
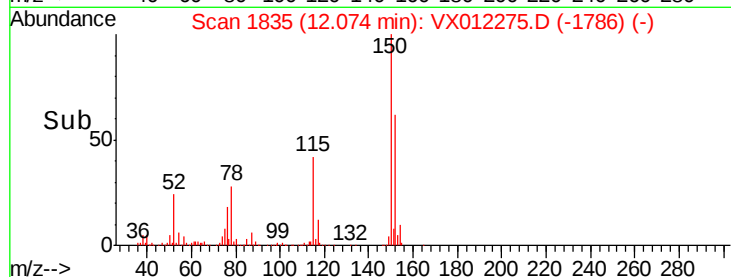
150 161.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 54.907 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012275.D

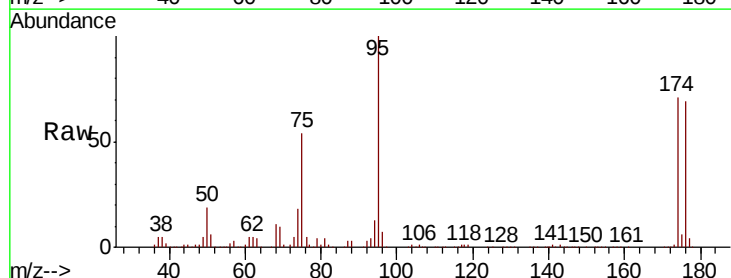
Acq: 11 Sep 2019 01:15

Tgt Ion: 75 Resp: 69141

Ion Ratio Lower Upper

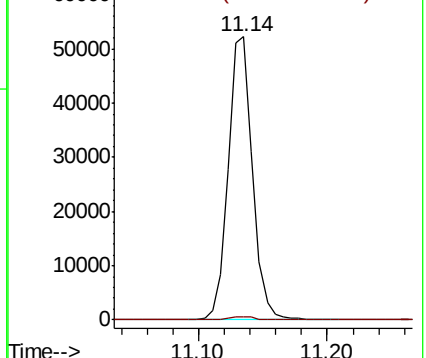
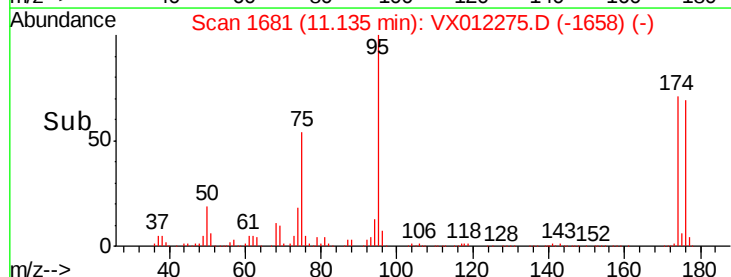
75 100

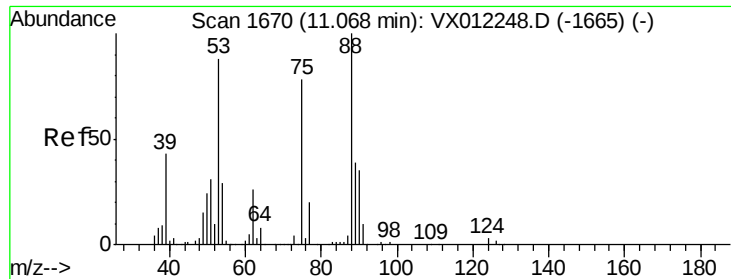
77 1.3 19.7 59.0#



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: 164.514 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012275.D

Acq: 11 Sep 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(4)

Tgt Ion: 75 Resp: 69141

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

