

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012074.D
 Acq On : 05 Sep 2019 02:25
 Operator : SY/SP
 Sample : K4545-06
 Misc : 4.92g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E3-(2.25)

Quant Time: Sep 05 05:29:53 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	154033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	190995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	49067	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	103205	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	5.48	113	79172	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.71	98	300019	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.14	95	82747	29.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.32%	

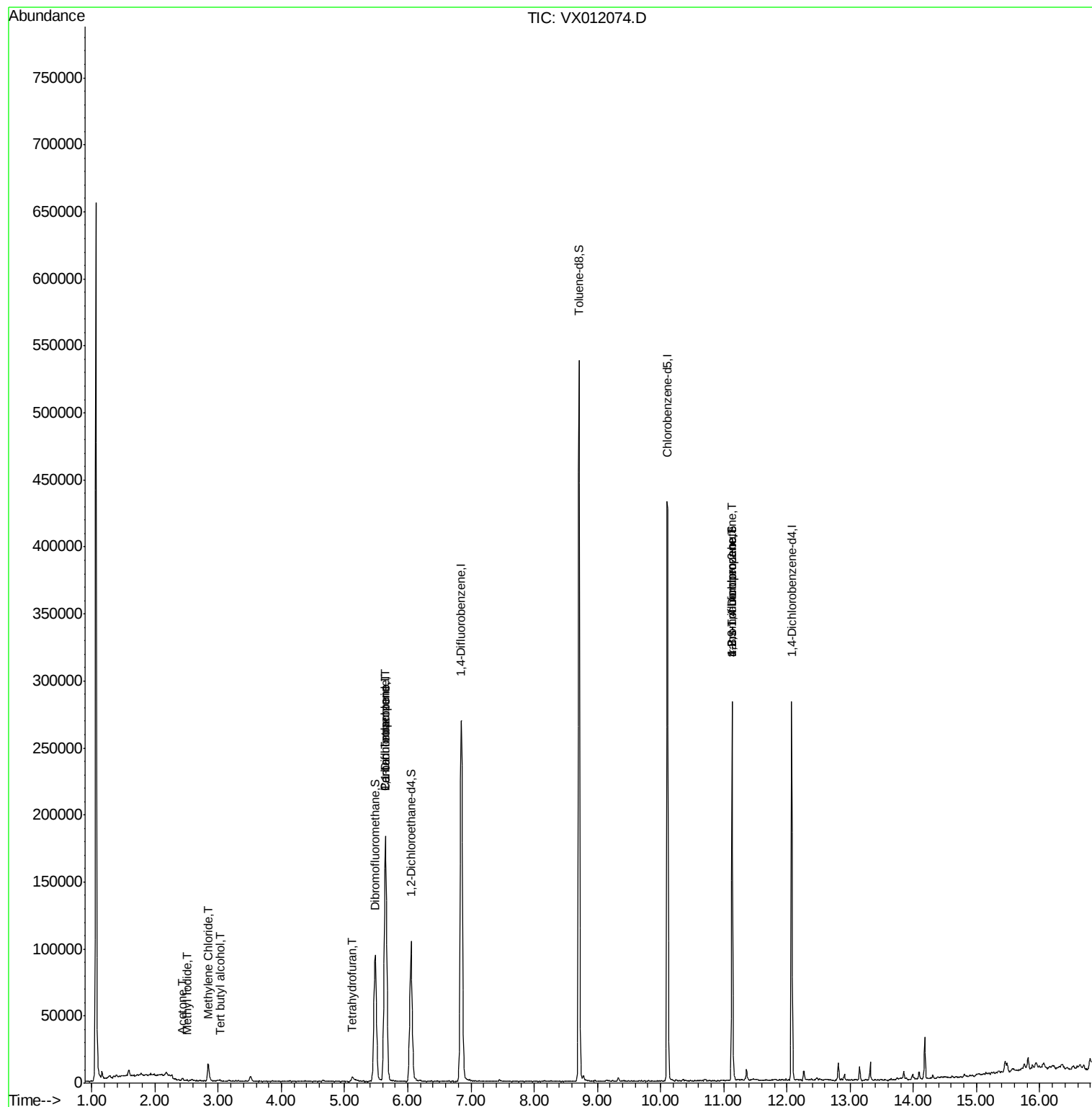
Target Compounds					Qvalue	
10) Methyl Iodide	2.50	142	222	7.108	ug/l #	50
11) Tert butyl alcohol	3.02	59	814	3.987	ug/l #	70
13) Acrolein	2.27	56	143	Below Cal		85
16) Acetone	2.42	43	1647	3.242	ug/l	99
20) Methylene Chloride	2.84	84	5841	2.863	ug/l	89
29) Tetrahydrofuran	5.12	42	3218	8.260	ug/l	95
36) 1,1-Dichloropropene	5.65	75	13952	5.960	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18493	7.497	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	41856	69.815	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	41856	165.054	ug/l #	10

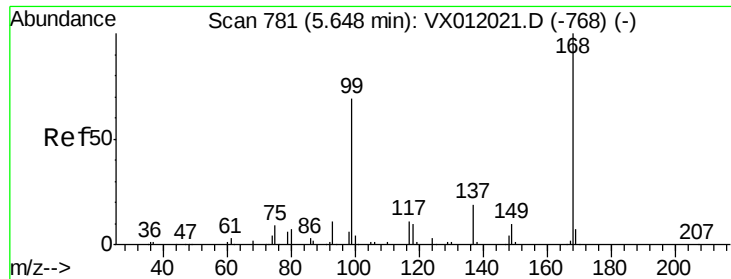
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

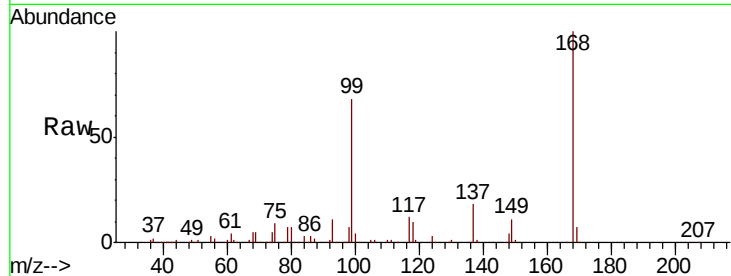
T16-17-E3-(2.25)

Tgt Ion:168 Resp: 154033

Ion Ratio Lower Upper

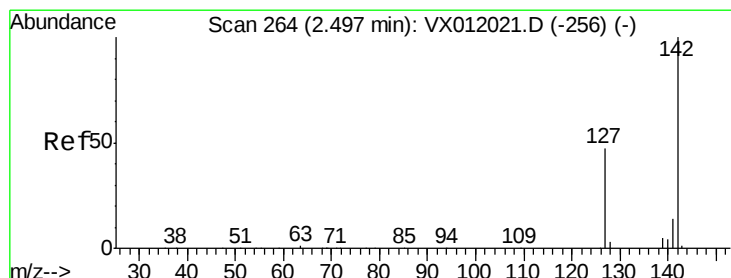
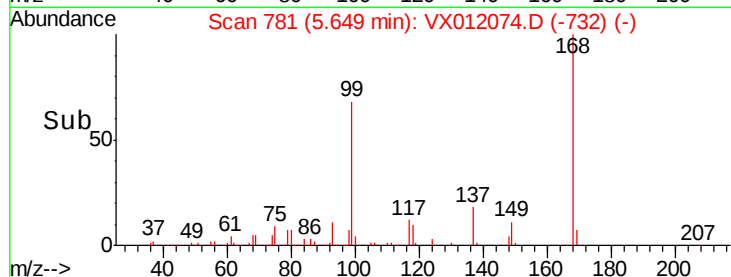
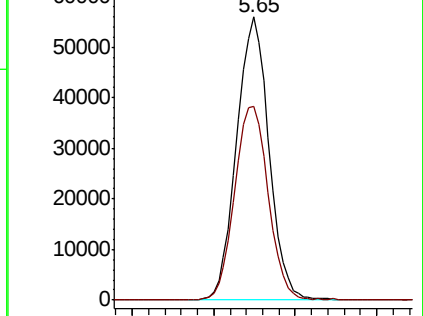
168 100

99 68.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 7.108 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

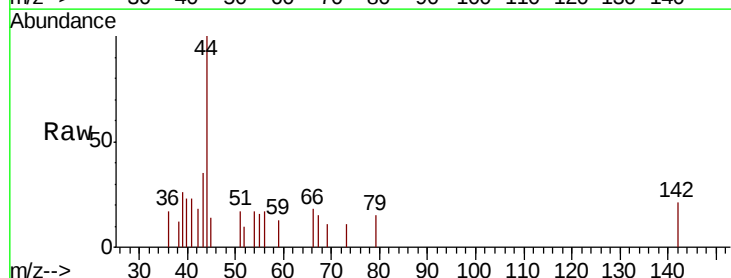
Tgt Ion:142 Resp: 222

Ion Ratio Lower Upper

142 100

127 9.0 35.4 53.2#

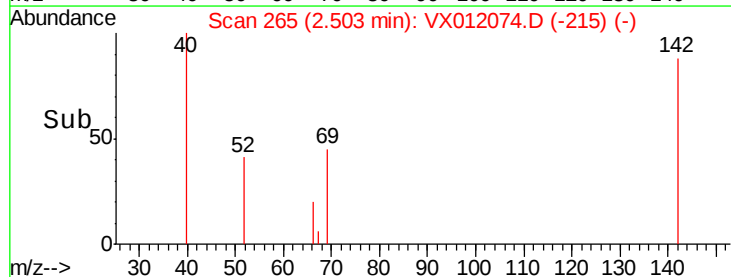
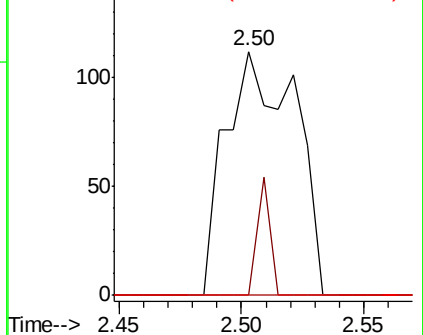
141 0.0 11.4 17.2#

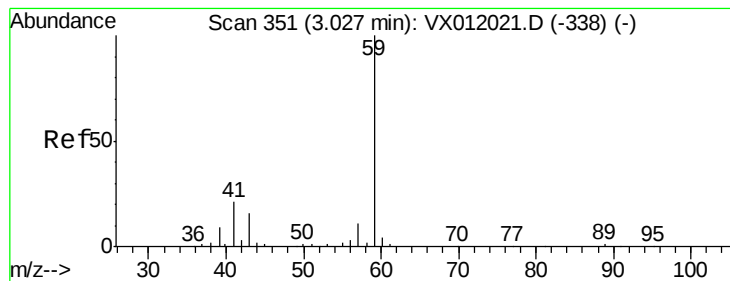


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 3.987 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

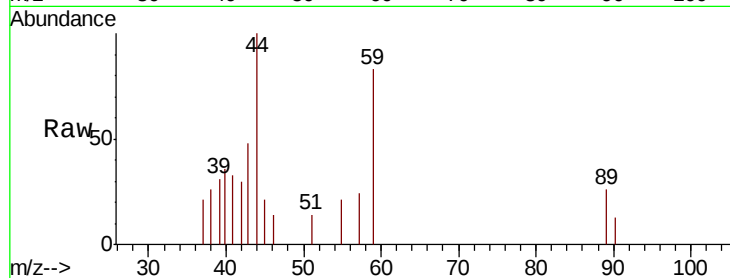
T16-17-E3-(2.25)

Tgt Ion: 59 Resp: 814

Ion Ratio Lower Upper

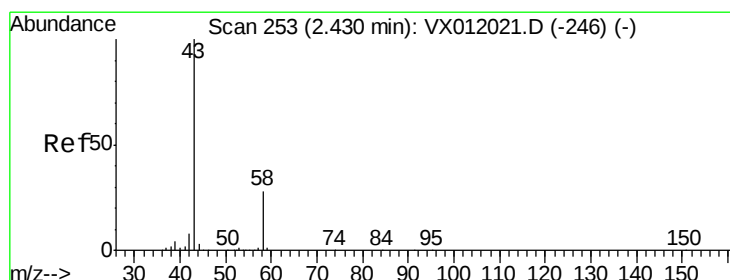
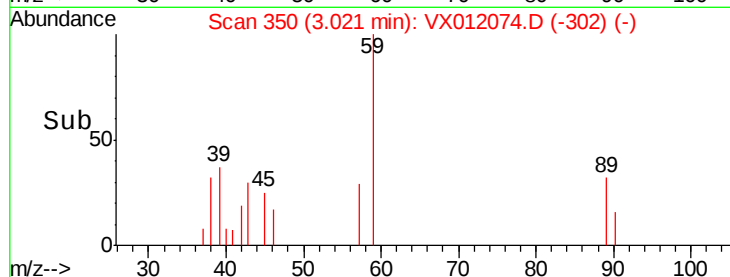
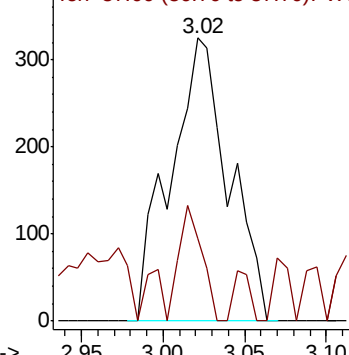
59 100

57 21.1 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 3.242 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012074.D

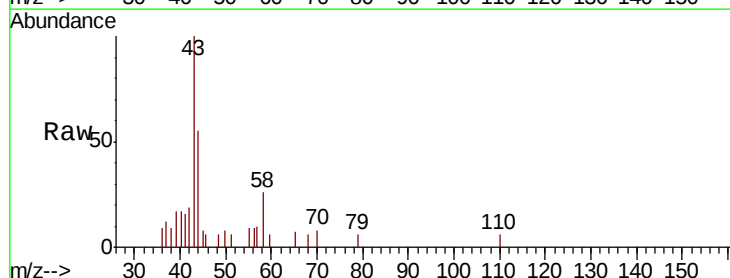
Acq: 05 Sep 2019 02:25

Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

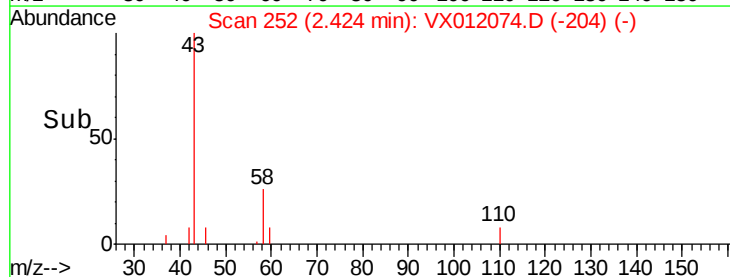
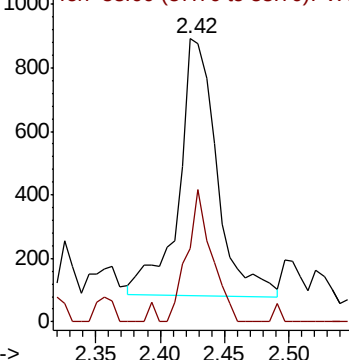
43 100

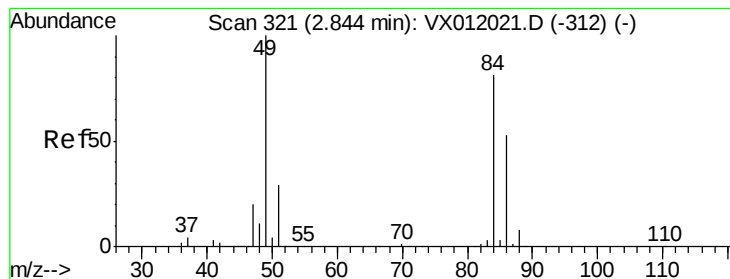
58 29.2 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 2.863 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E3-(2.25)

Tgt Ion: 84 Resp: 5841

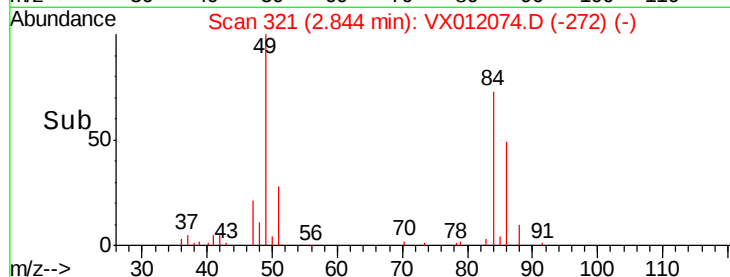
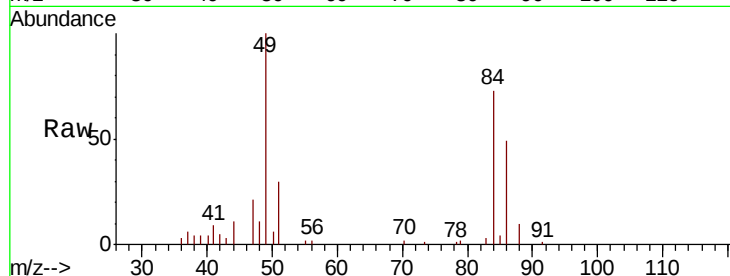
Ion Ratio Lower Upper

84 100

49 136.4 95.8 143.8

51 40.5 28.6 43.0

86 66.9 50.9 76.3



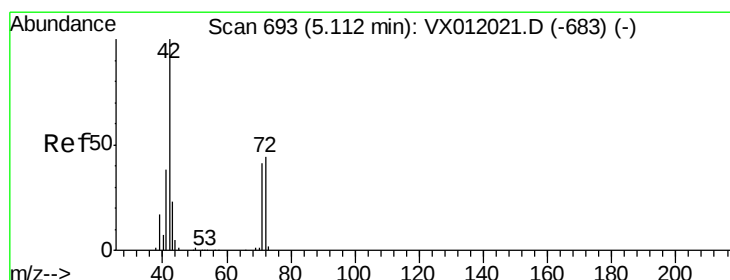
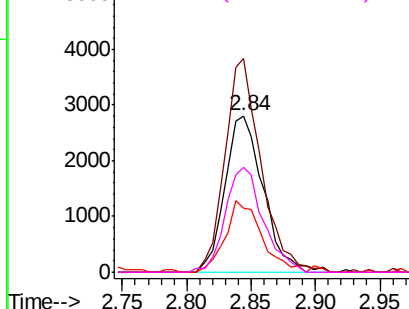
Abundance

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



#29

Tetrahydrofuran

Concen: 8.260 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

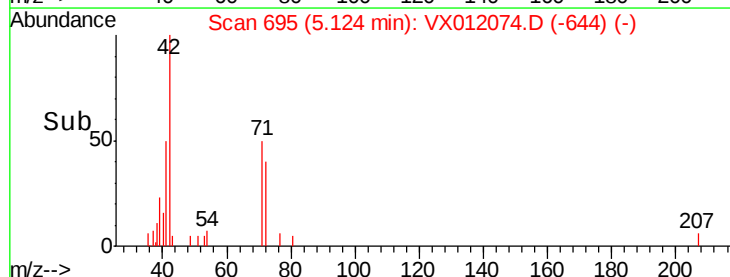
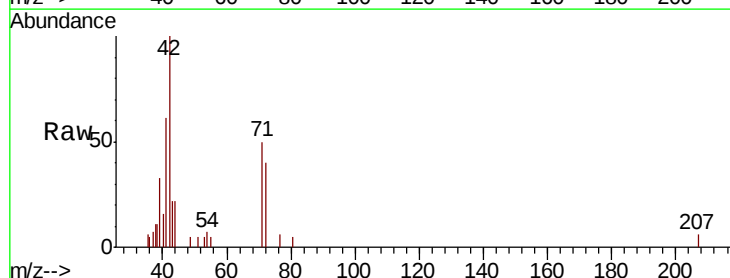
Tgt Ion: 42 Resp: 3218

Ion Ratio Lower Upper

42 100

72 42.0 37.0 55.4

71 44.6 33.8 50.8

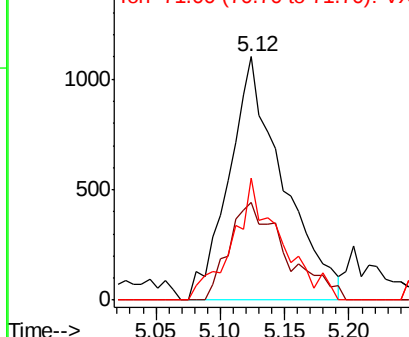


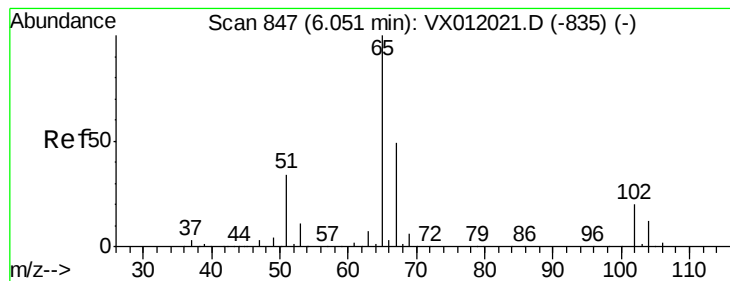
Abundance

Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.559 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

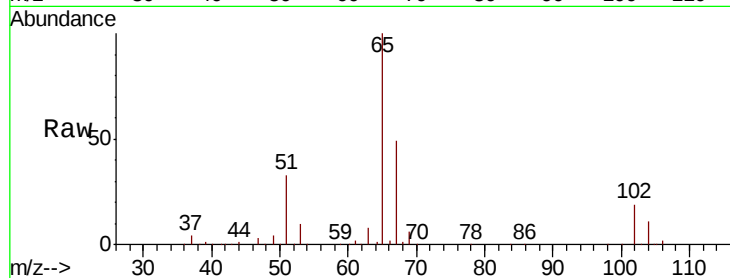
T16-17-E3-(2.25)

Tgt Ion: 65 Resp: 103205

Ion Ratio Lower Upper

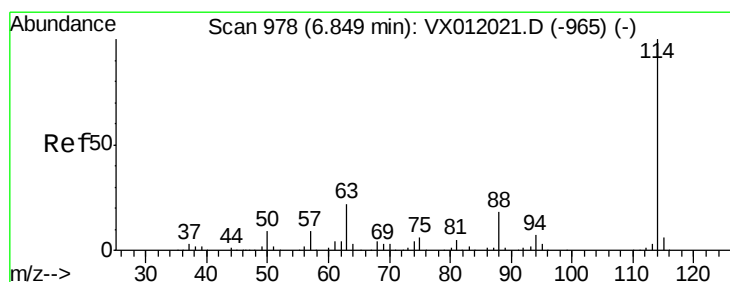
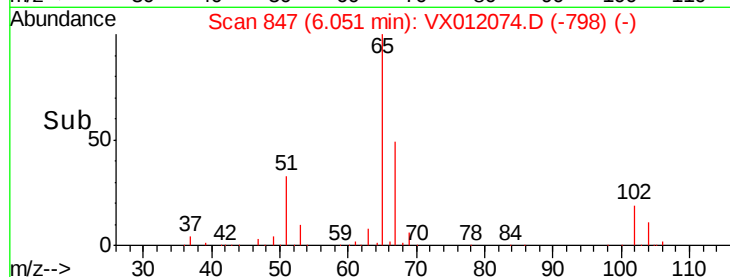
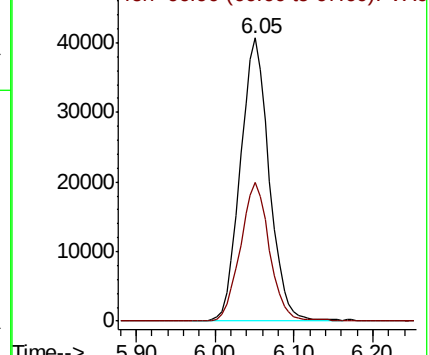
65 100

67 49.6 0.0 102.0



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: VX012074.D

Acq: 05 Sep 2019 02:25

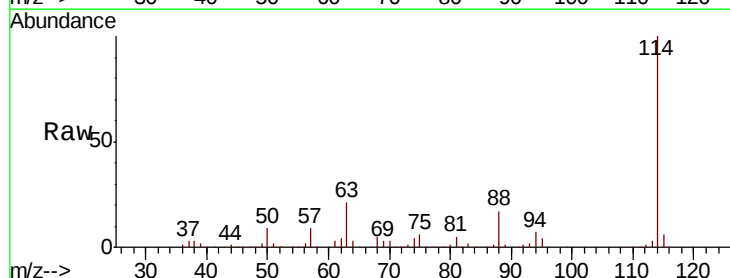
Tgt Ion: 114 Resp: 265804

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

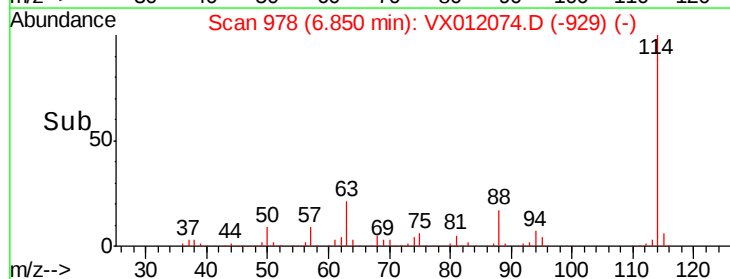
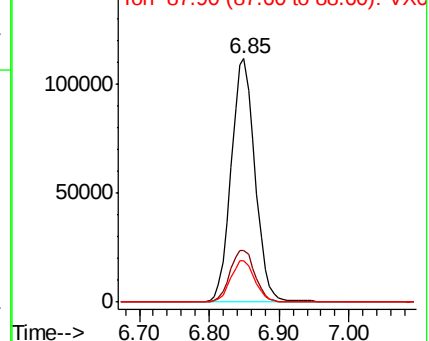
88 17.0 0.0 29.6

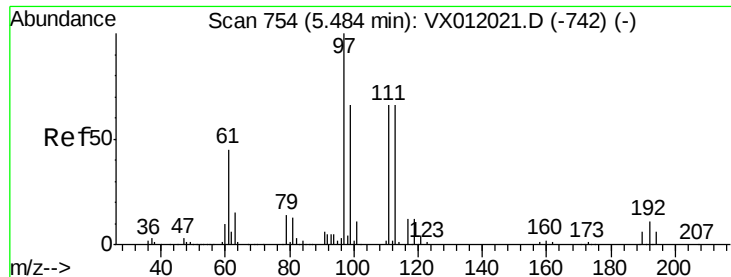


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.435 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E3-(2.25)

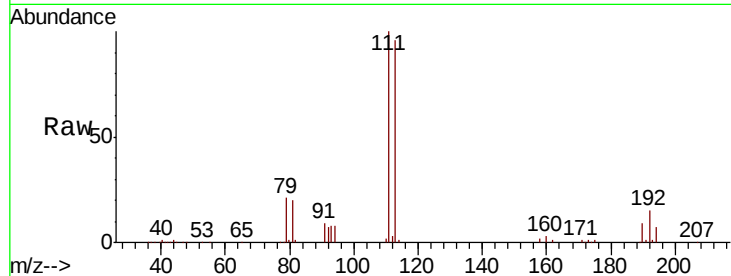
Tgt Ion:113 Resp: 79172

Ion Ratio Lower Upper

113 100

111 106.1 81.7 122.5

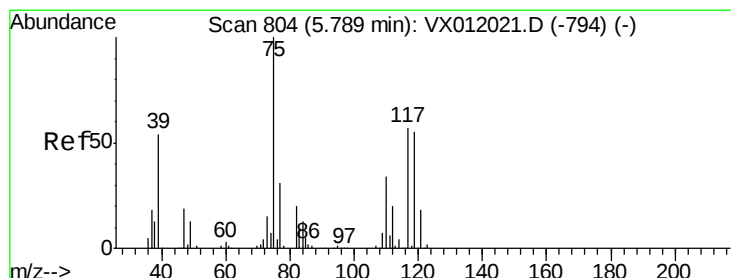
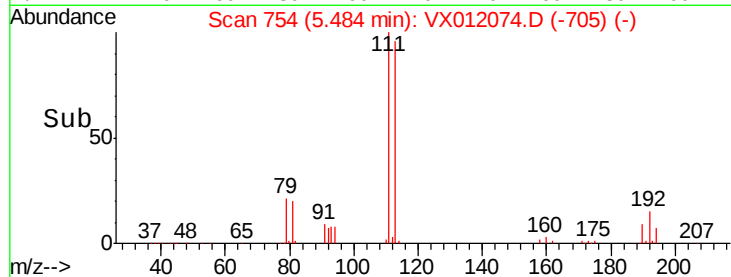
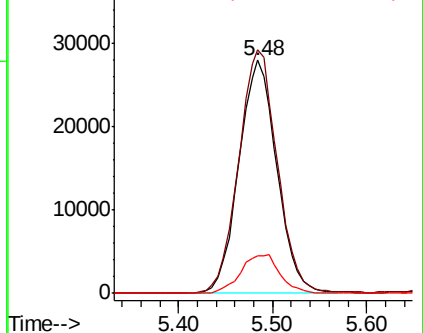
192 17.3 22.5 33.7#



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: 5.960 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

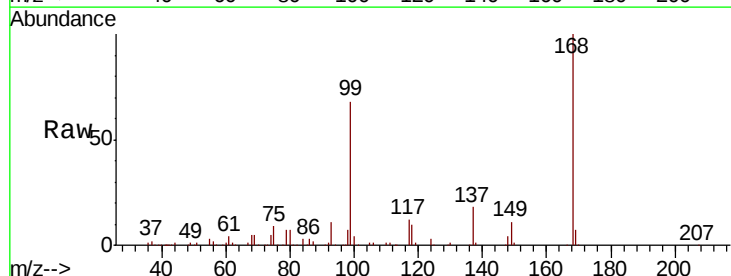
Tgt Ion: 75 Resp: 13952

Ion Ratio Lower Upper

75 100

110 10.1 19.5 58.5#

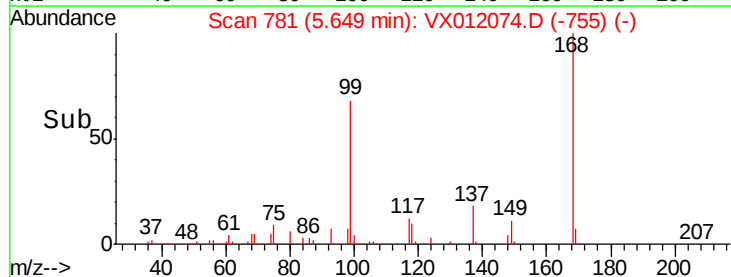
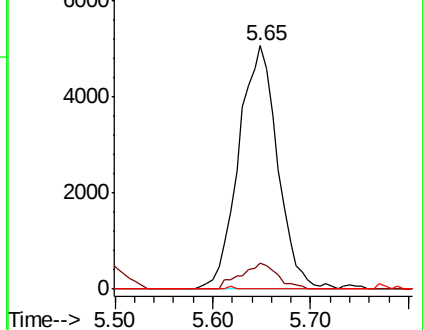
77 0.0 24.6 37.0#

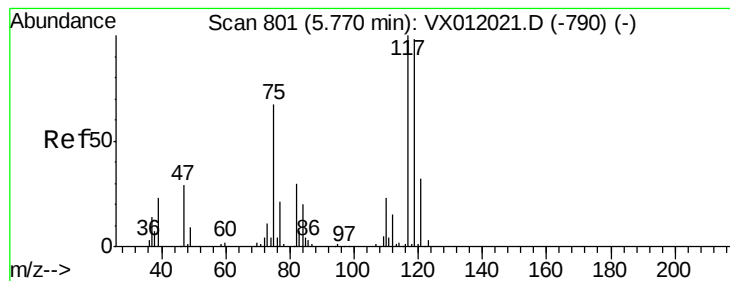


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.497 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E3-(2.25)

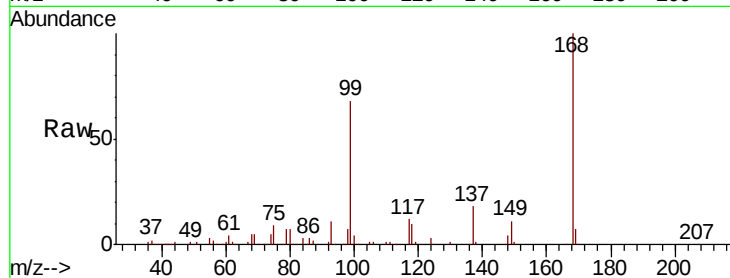
Tgt Ion:117 Resp: 18493

Ion Ratio Lower Upper

117 100

119 4.9 78.3 117.5#

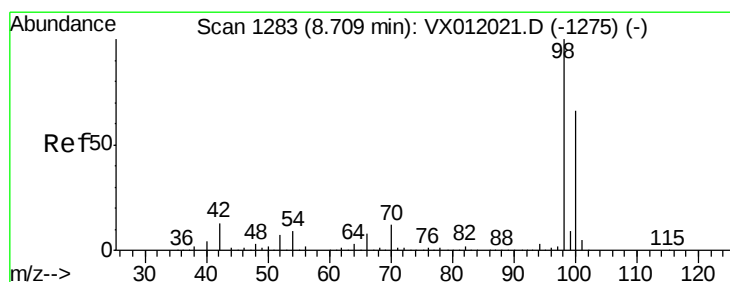
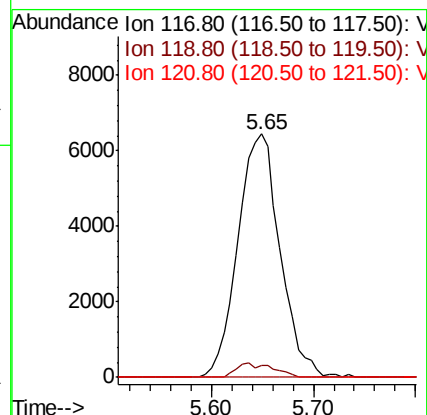
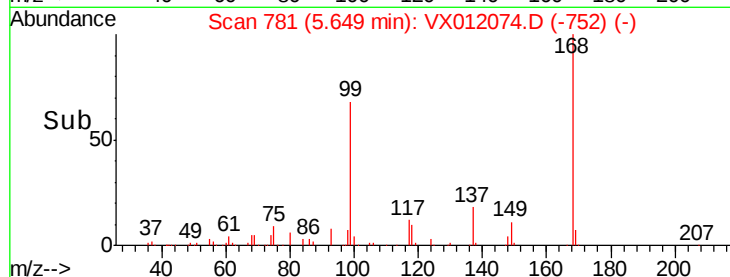
121 0.0 24.2 36.2#



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: 50.017 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012074.D

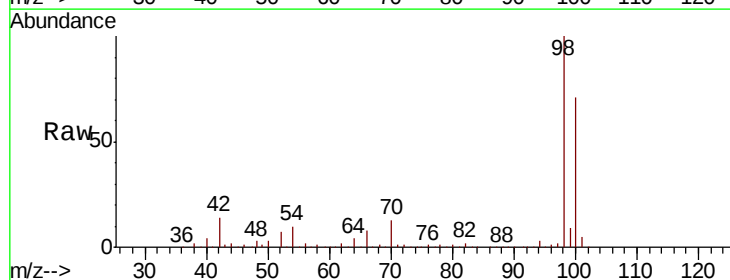
Acq: 05 Sep 2019 02:25

Tgt Ion: 98 Resp: 300019

Ion Ratio Lower Upper

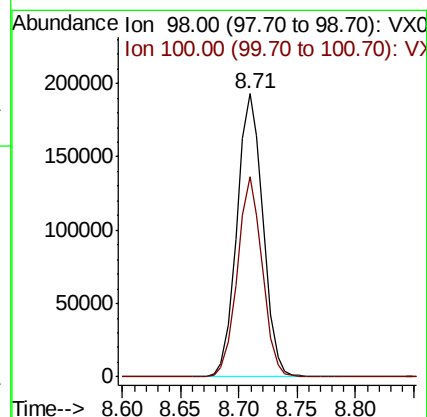
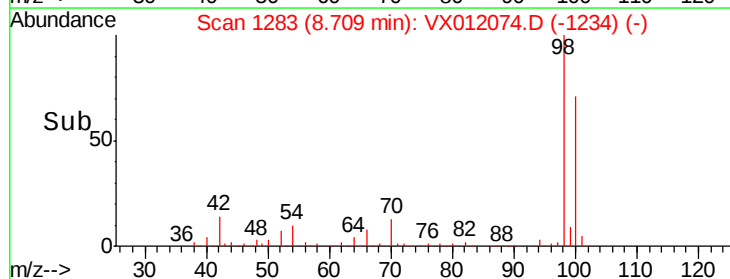
98 100

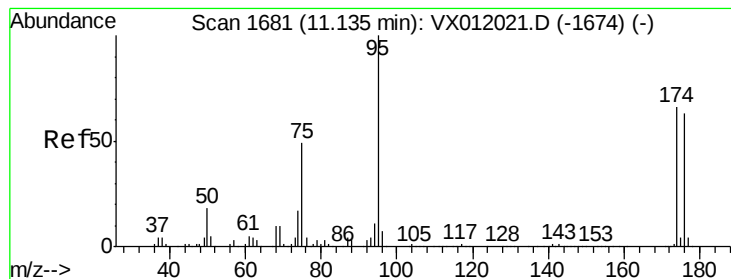
100 67.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 29.663 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E3-(2.25)

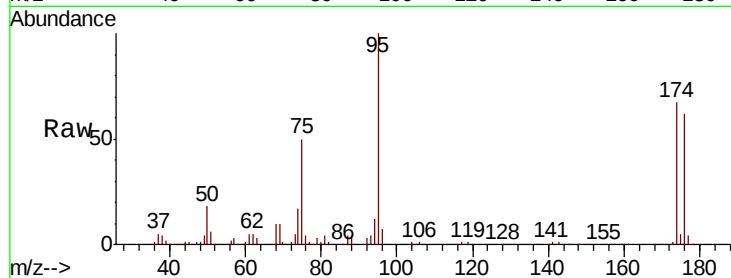
Tgt Ion: 95 Resp: 82747

Ion Ratio Lower Upper

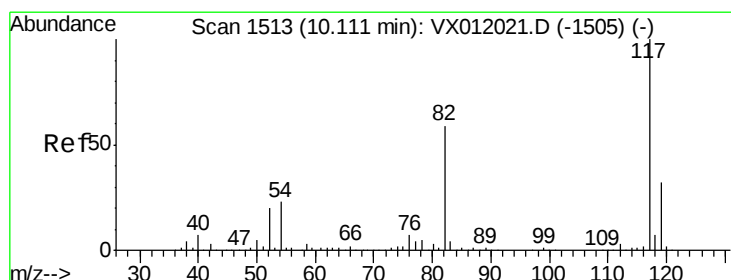
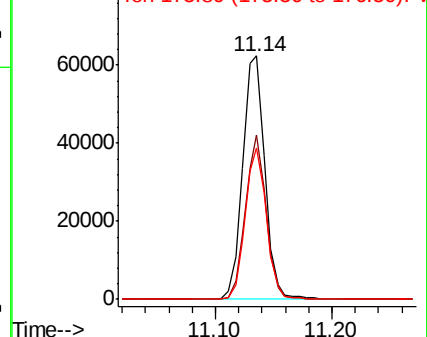
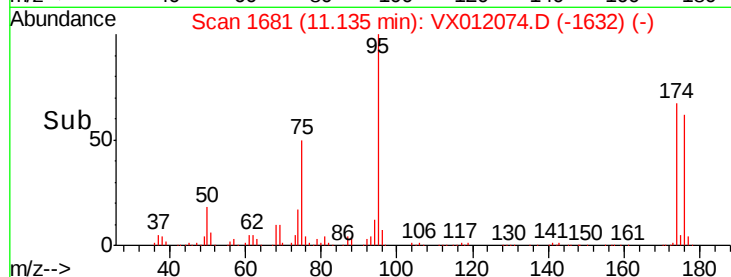
95 100

174 63.0 0.0 205.4

176 59.5 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012074.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

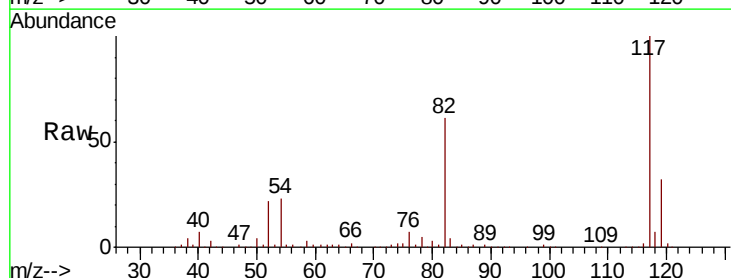
Tgt Ion: 117 Resp: 190995

Ion Ratio Lower Upper

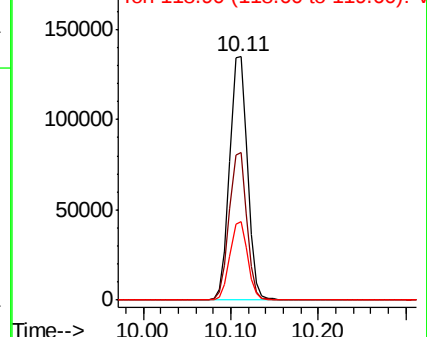
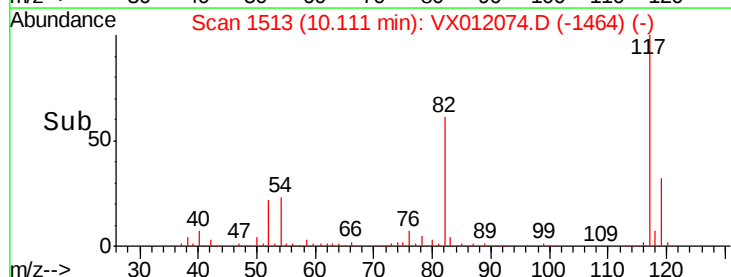
117 100

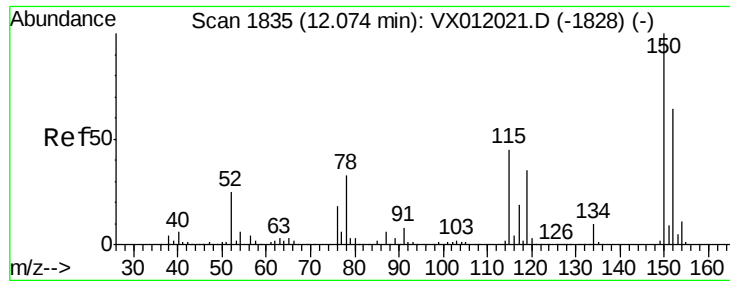
82 60.5 39.4 59.0#

119 32.1 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VX012074.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E3-(2.25)

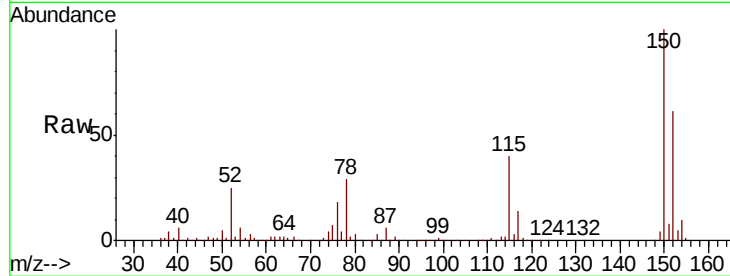
Tgt Ion:152 Resp: 49067

Ion Ratio Lower Upper

152 100

115 67.3 36.4 109.3

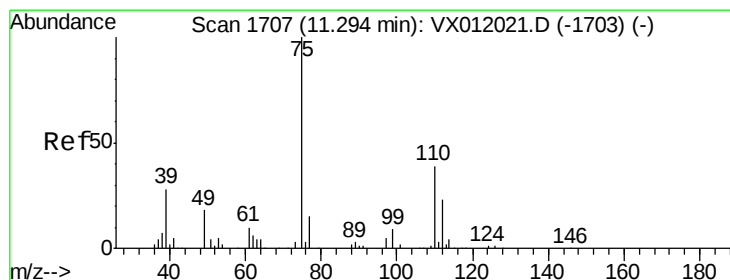
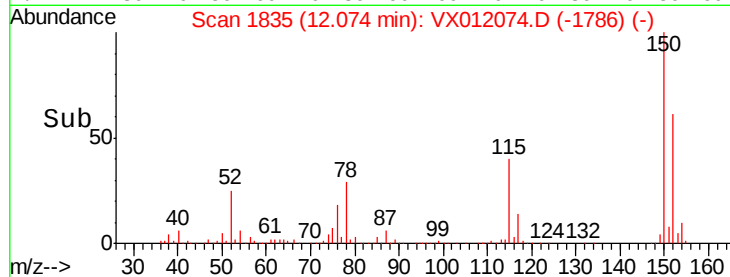
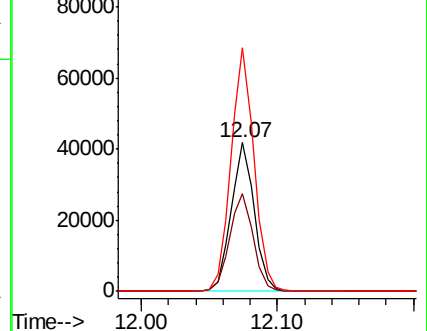
150 163.5 0.0 341.2



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: 69.815 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012074.D

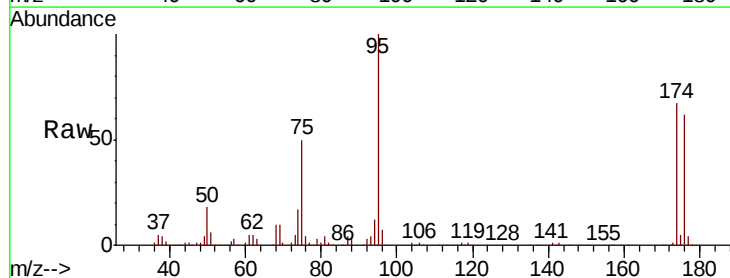
Acq: 05 Sep 2019 02:25

Tgt Ion: 75 Resp: 41856

Ion Ratio Lower Upper

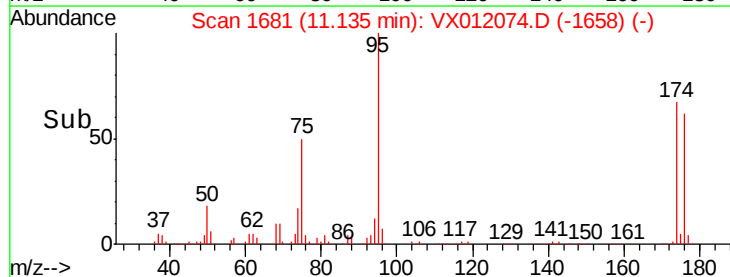
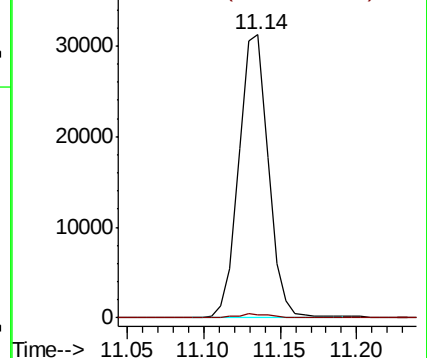
75 100

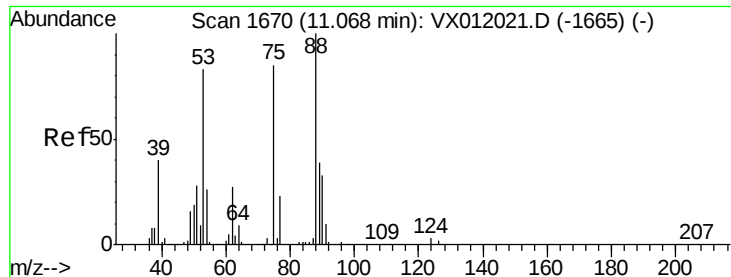
77 1.9 23.5 70.5#



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: 165.054 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012074.D

Acq: 05 Sep 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

T16-17-E3-(2.25)

Tgt Ion: 75 Resp: 41856

Ion Ratio Lower Upper

75 100

53 0.2 78.6 117.8#

89 0.0 38.8 58.2#

