

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011020\
 Data File : VX014532.D
 Acq On : 10 Jan 2020 13:16
 Operator : JC/SP
 Sample : L1066-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2020-1

Quant Time: Jan 10 13:37:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	506985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	782240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	702836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	280690	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.49	113	227471	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	8.71	98	927139	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	311141	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

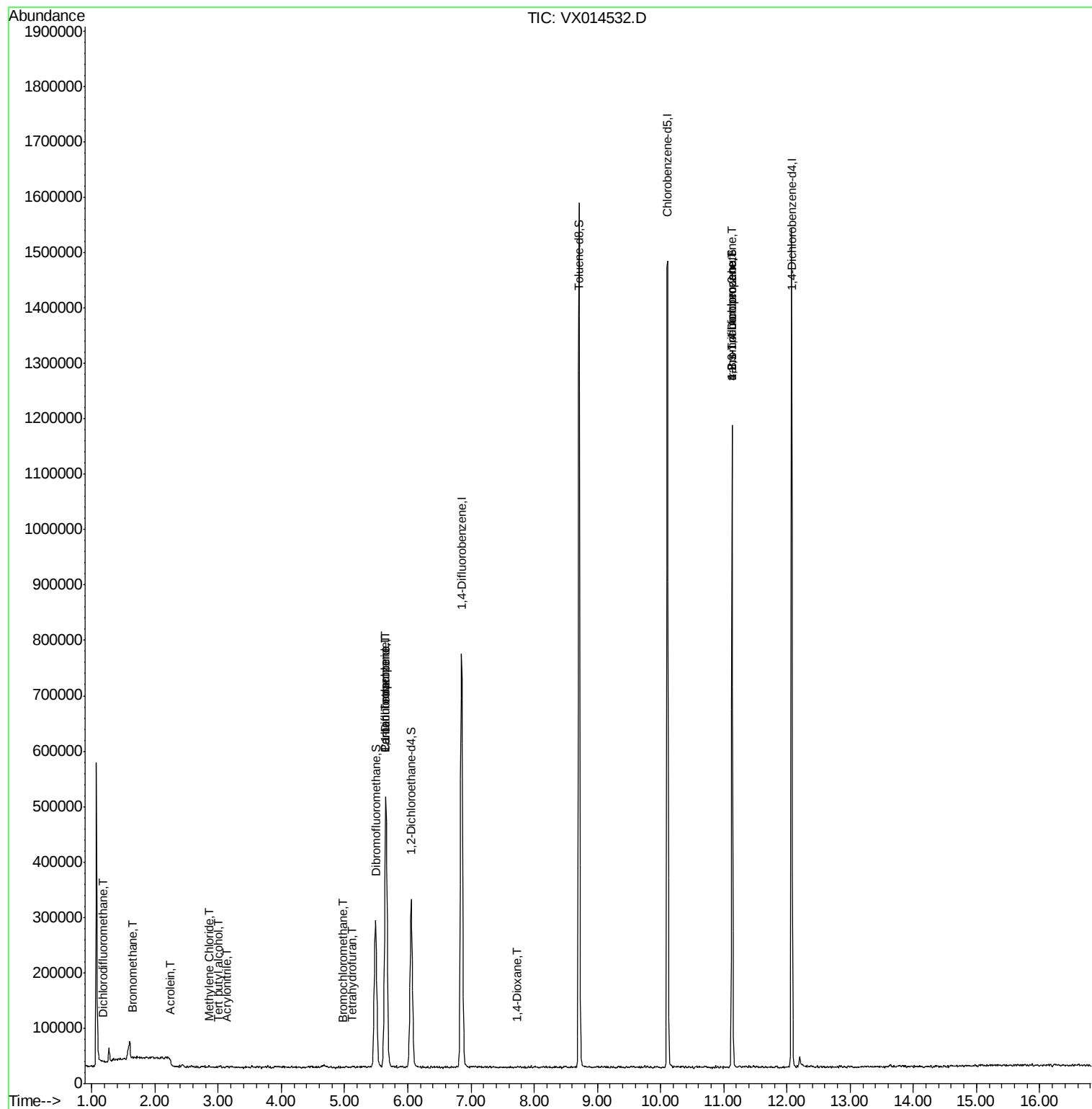
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	486	0.329	ug/l #	42
5) Bromomethane	1.64	94	992	0.208	ug/l #	59
6) Chloroethane	1.66	64	903	Below Cal	#	88
11) Tert butyl alcohol	3.00	59	307	0.260	ug/l #	1
13) Acrolein	2.24	56	710	0.750	ug/l #	28
15) Acrylonitrile	3.12	53	753	0.264	ug/l #	63
16) Acetone	2.43	43	6035	Below Cal		93
20) Methylene Chloride	2.85	84	2015	0.354	ug/l #	77
28) Bromochloromethane	4.98	49	1263	0.324	ug/l #	12
29) Tetrahydrofuran	5.12	42	609	0.244	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	33532	4.558	ug/l #	52
38) Carbon Tetrachloride	5.65	117	43956	6.493	ug/l #	18
49) 1,4-Dioxane	7.73	88	196	1.496	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	149685	22.641	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	149685	59.859	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1162	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	13.63	180	536	Below Cal	#	31
96) 1,2,3-Trichlorobenzene	14.01	180	546	Below Cal	#	78

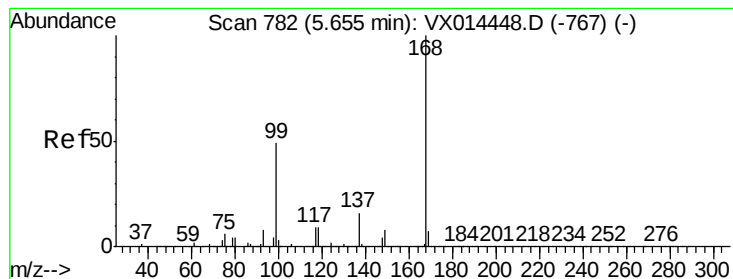
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

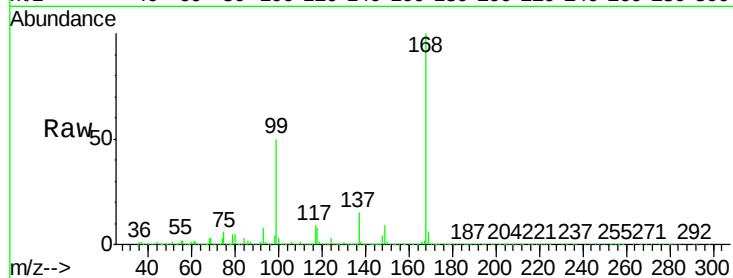
S32-TB-2020-1

Tgt Ion:168 Resp: 506985

Ion Ratio Lower Upper

168 100

99 50.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

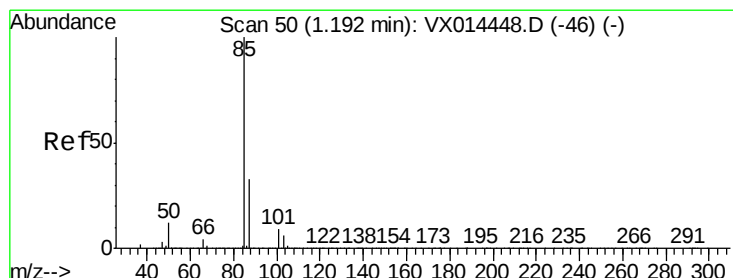
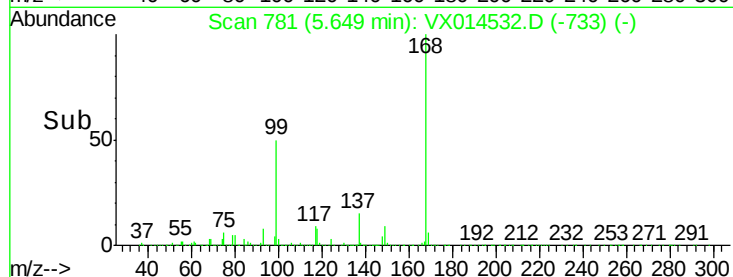
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.329 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014532.D

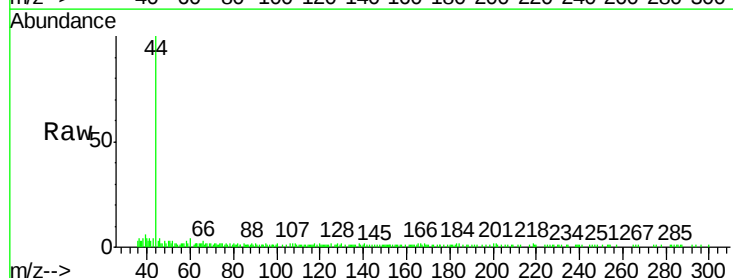
Acq: 10 Jan 2020 13:16

Tgt Ion: 85 Resp: 486

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

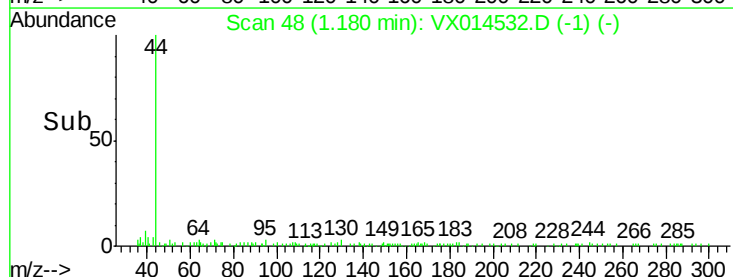
300

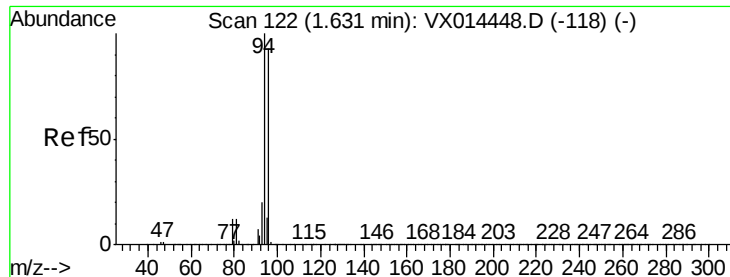
200

100

0

Time-->





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampled :

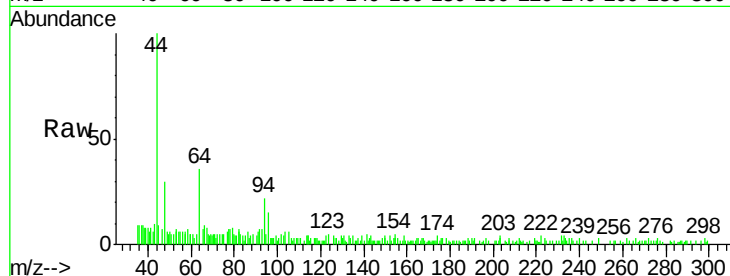
S32-TB-2020-1

Tgt Ion: 94 Resp: 992

Ion Ratio Lower Upper

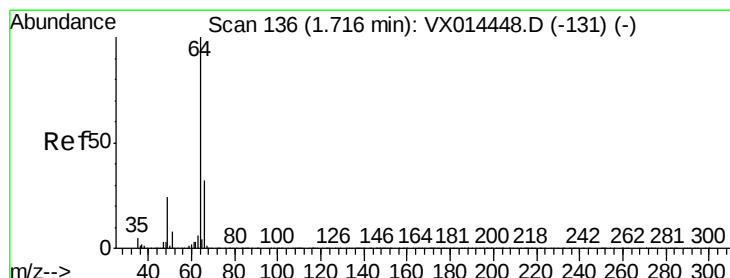
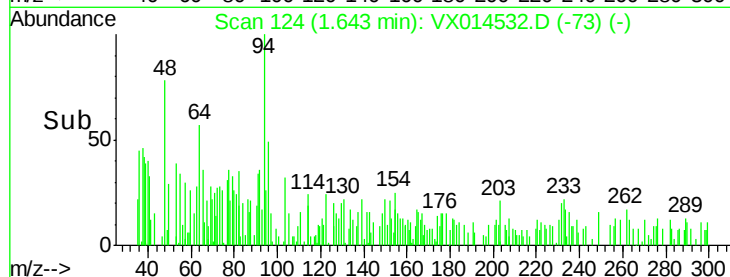
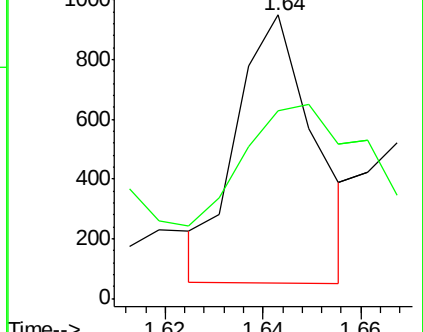
94 100

96 53.2 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.05 min

Lab File: VX014532.D

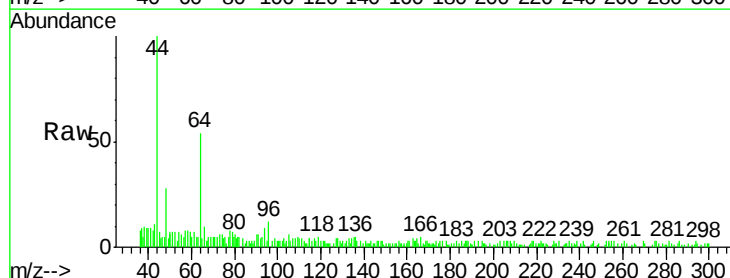
Acq: 10 Jan 2020 13:16

Tgt Ion: 64 Resp: 903

Ion Ratio Lower Upper

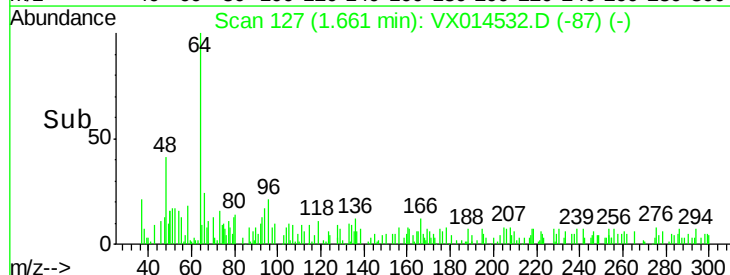
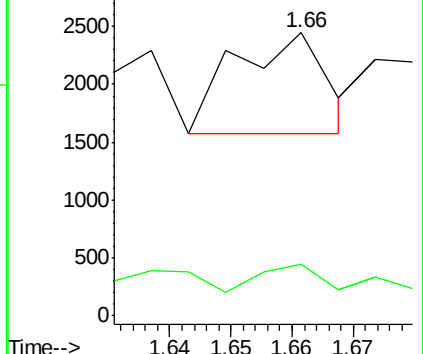
64 100

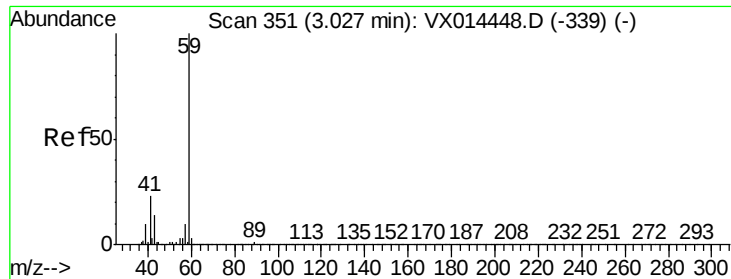
66 25.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

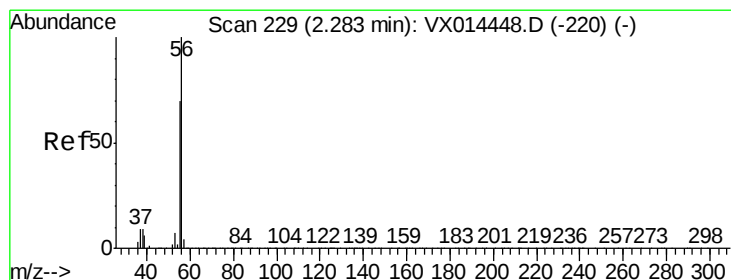
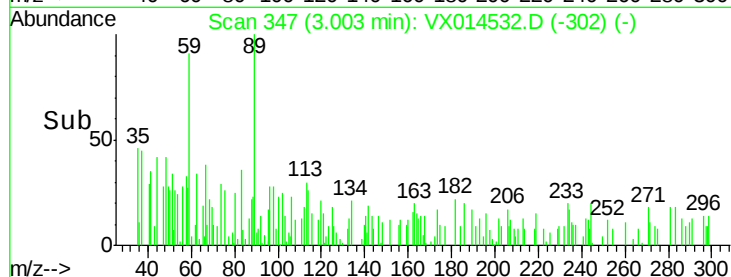
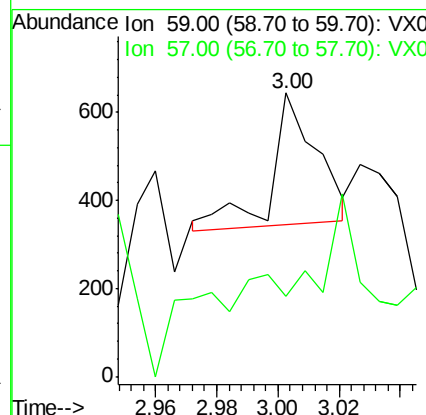
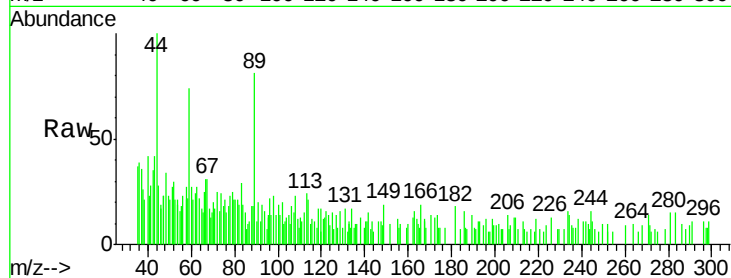




#11
Tert butyl alcohol
Concen: 0.260 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX014532.D
Acq: 10 Jan 2020 13:16

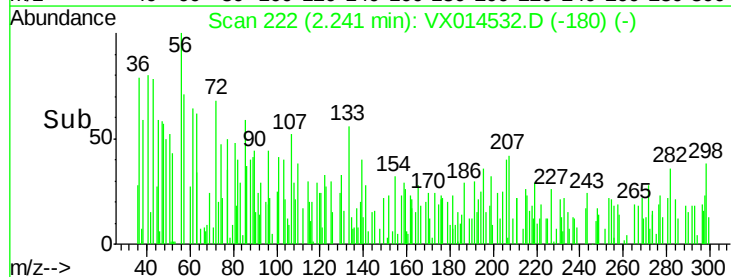
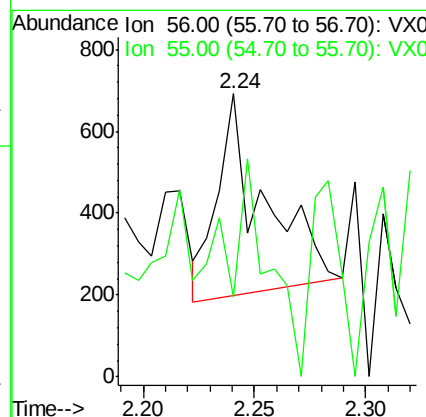
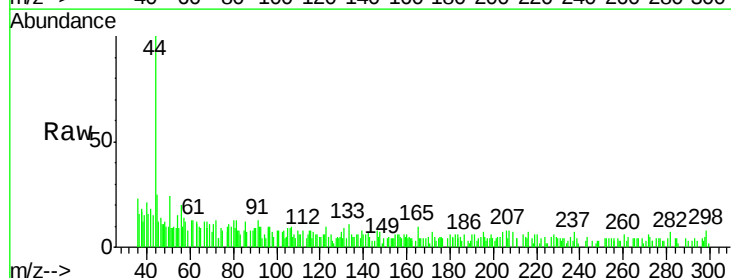
Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2020-1

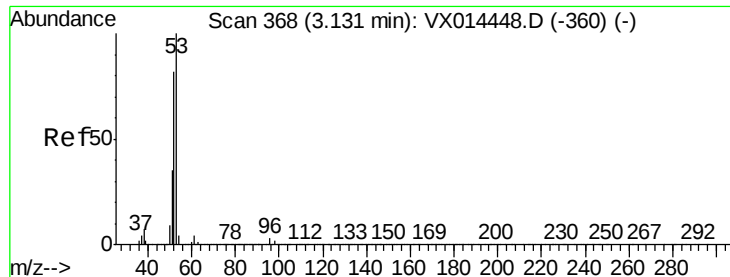
Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 157.3 8.5 12.7#



#13
Acrolein
Concen: 0.750 ug/l
RT: 2.24 min Scan# 222
Delta R.T. -0.04 min
Lab File: VX014532.D
Acq: 10 Jan 2020 13:16

Tgt Ion: 56 Resp: 710
Ion Ratio Lower Upper
56 100
55 10.0 55.0 82.6#





#15

Acrylonitrile

Concen: 0.264 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2020-1

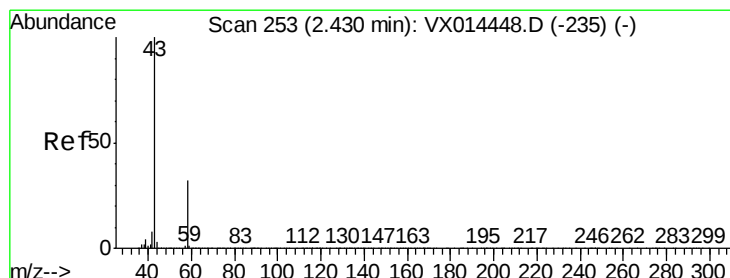
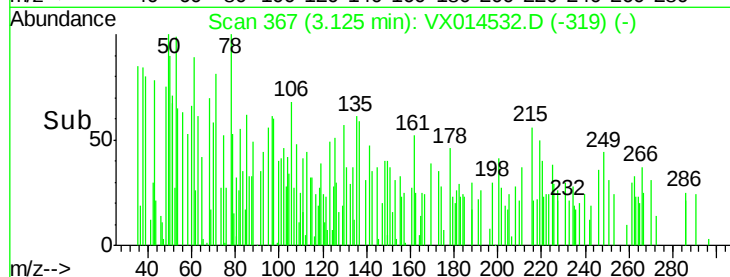
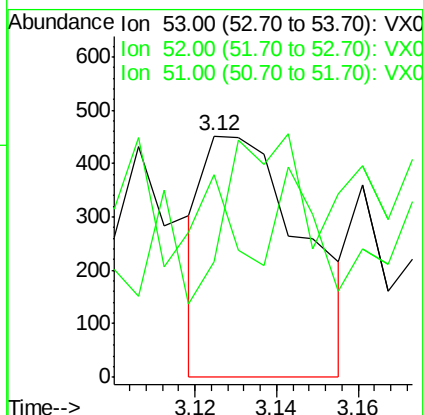
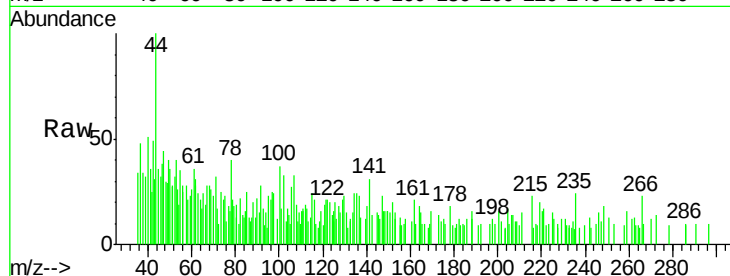
Tgt Ion: 53 Resp: 753

Ion Ratio Lower Upper

53 100

52 40.9 67.0 100.4#

51 43.2 28.5 42.7#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014532.D

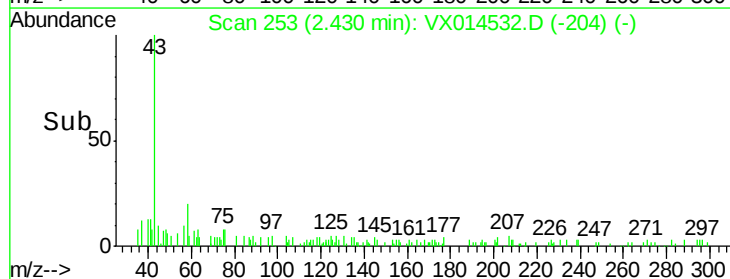
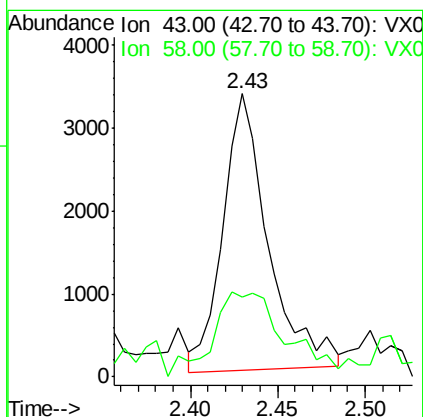
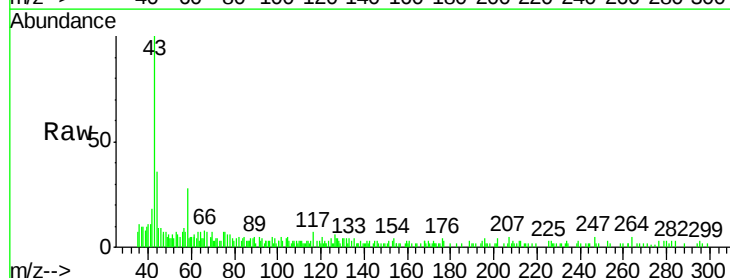
Acq: 10 Jan 2020 13:16

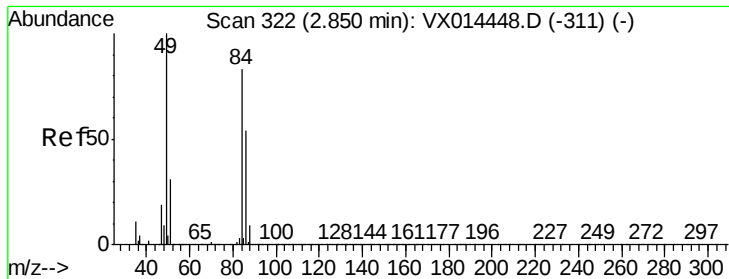
Tgt Ion: 43 Resp: 6035

Ion Ratio Lower Upper

43 100

58 27.8 25.4 38.0

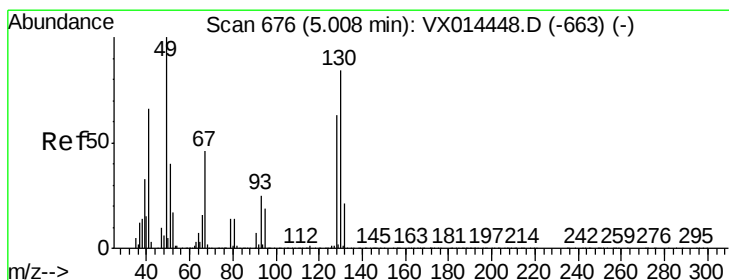
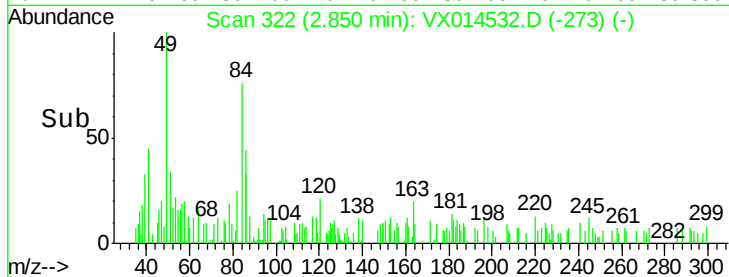
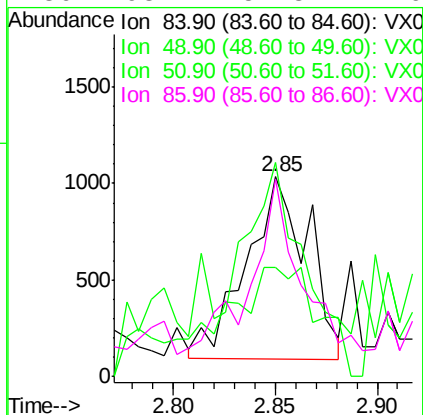
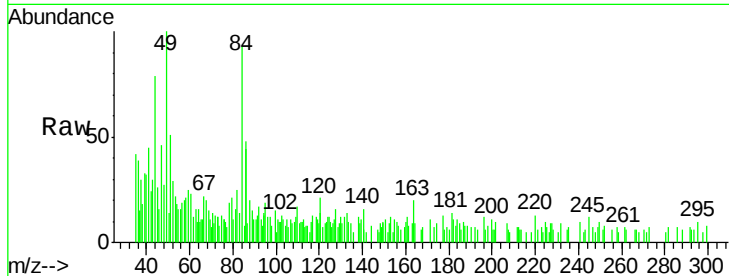




#20
Methylene Chloride
Concen: 0.354 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014532.D
Acq: 10 Jan 2020 13:16

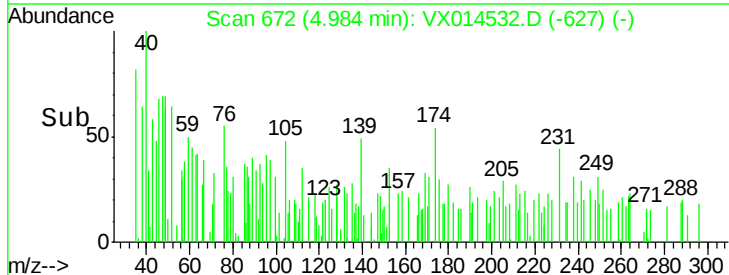
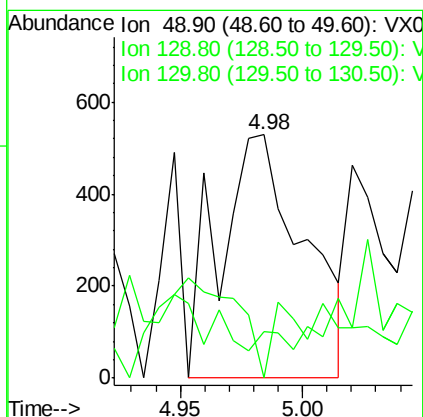
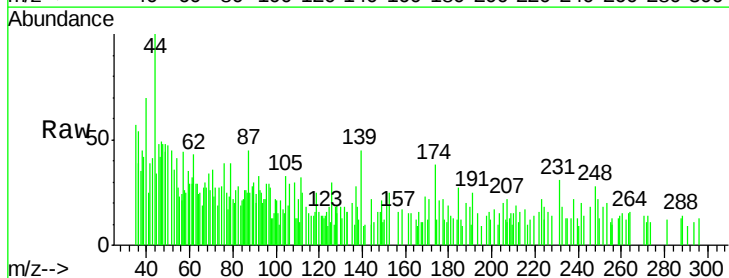
Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2020-1

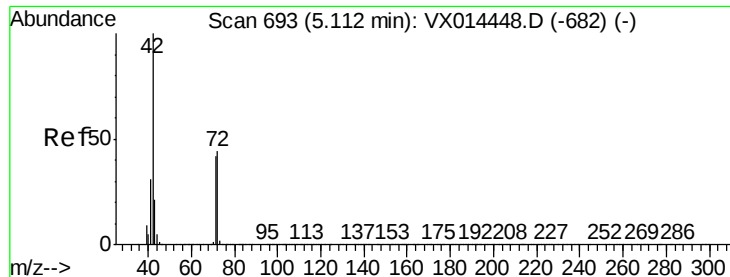
Tgt Ion:	84	Resp:	2015
Ion	Ratio	Lower	Upper
84	100		
49	100.8	95.8	143.8
51	41.2	30.2	45.4
86	98.1	51.8	77.6#



#28
Bromochloromethane
Concen: 0.324 ug/l
RT: 4.98 min Scan# 672
Delta R.T. -0.02 min
Lab File: VX014532.D
Acq: 10 Jan 2020 13:16

Tgt Ion:	49	Resp:	1263
Ion	Ratio	Lower	Upper
49	100		
129	11.0	0.0	4.4#
130	2.4	67.0	100.4#





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2020-1

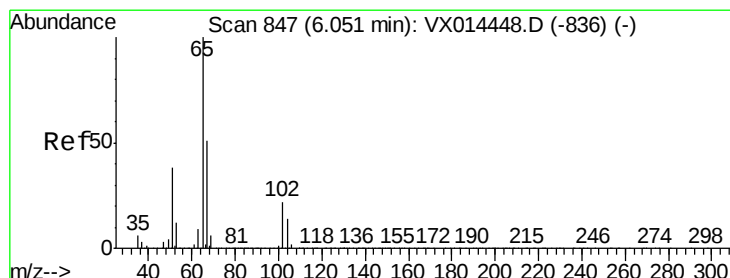
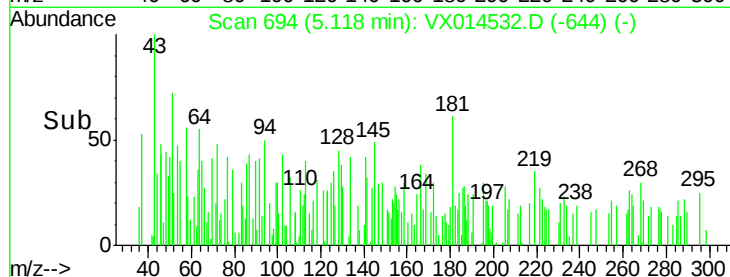
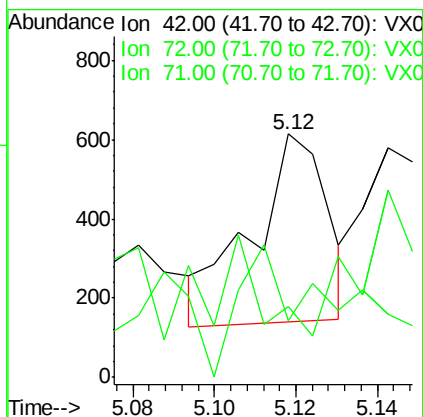
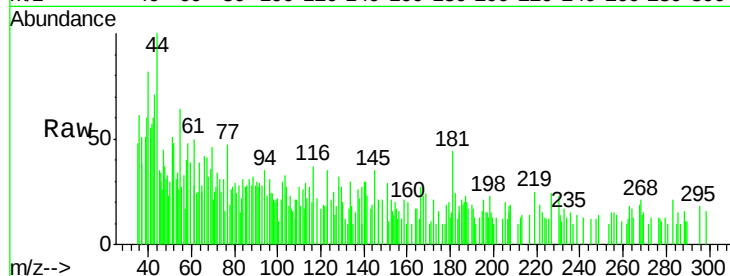
Tgt Ion: 42 Resp: 609

Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 89.2 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 49.595 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014532.D

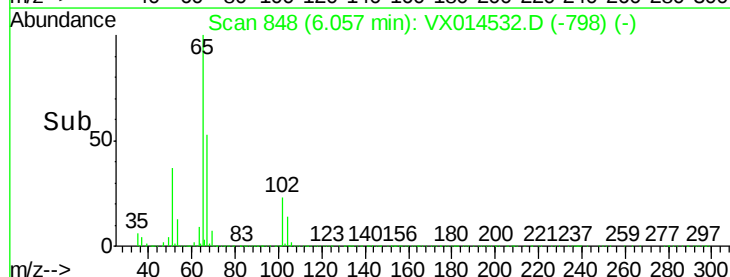
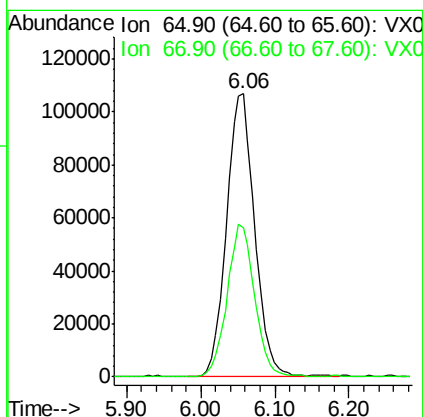
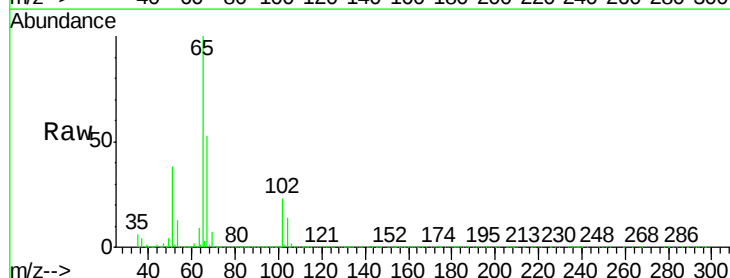
Acq: 10 Jan 2020 13:16

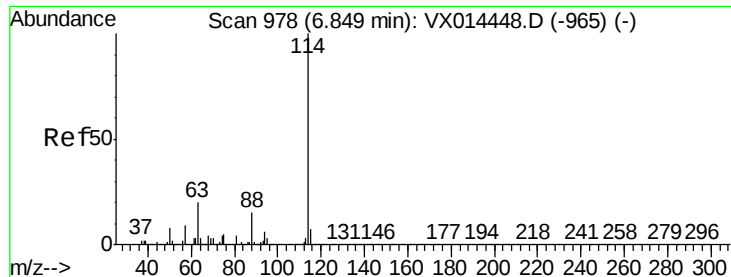
Tgt Ion: 65 Resp: 280690

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2020-1

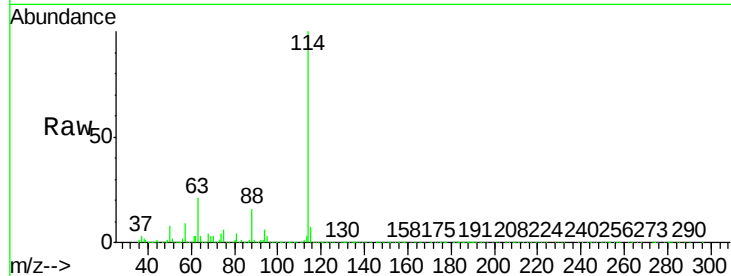
Tgt Ion:114 Resp: 782240

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.6

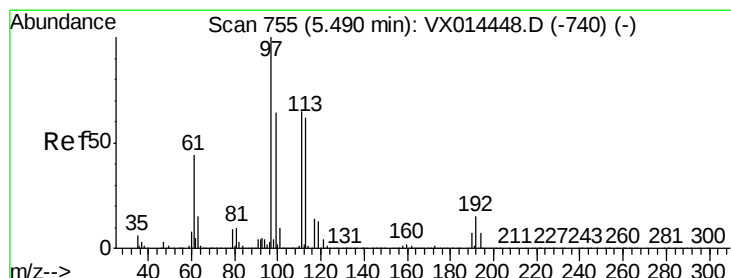
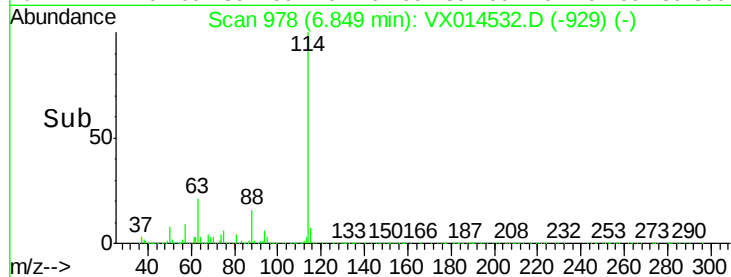
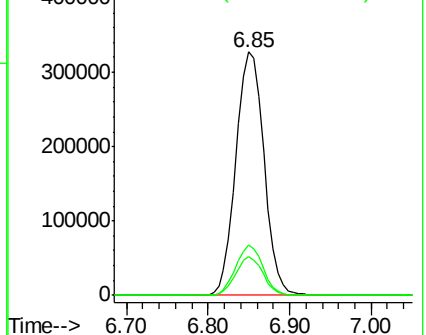
88 15.9 0.0 30.8



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: 48.038 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

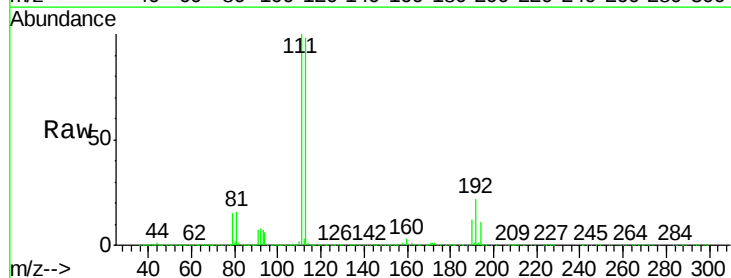
Tgt Ion:113 Resp: 227471

Ion Ratio Lower Upper

113 100

111 103.5 81.5 122.3

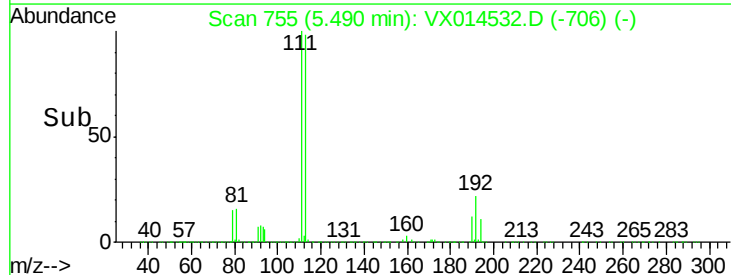
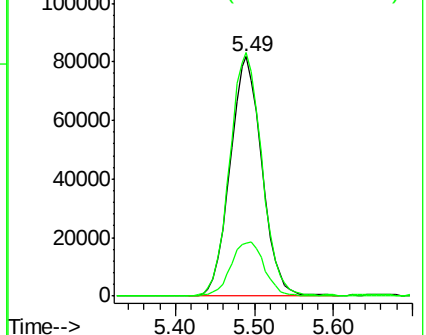
192 24.2 19.2 28.8

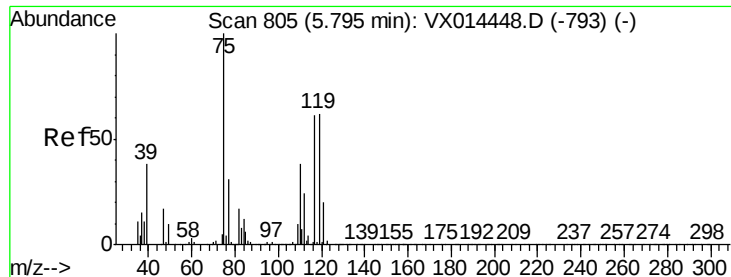


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

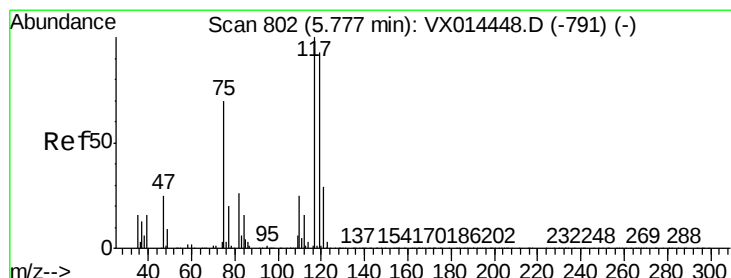
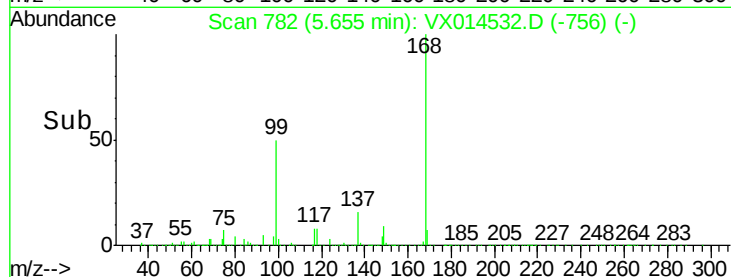
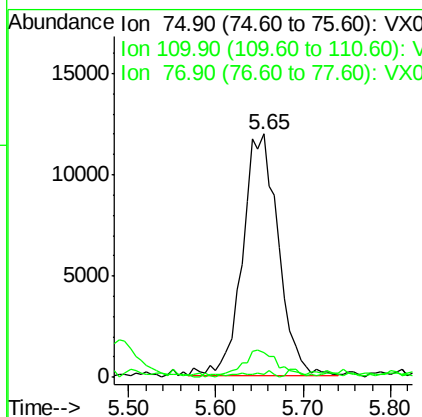
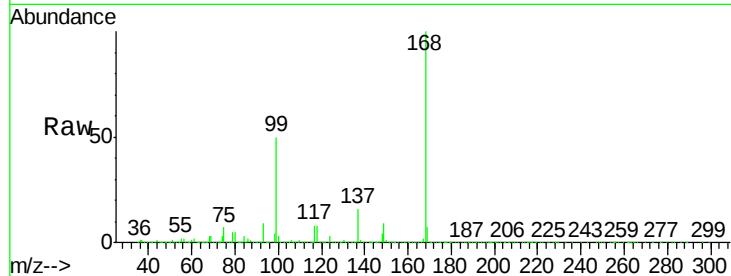




#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014532.D
 Acq: 10 Jan 2020 13:16

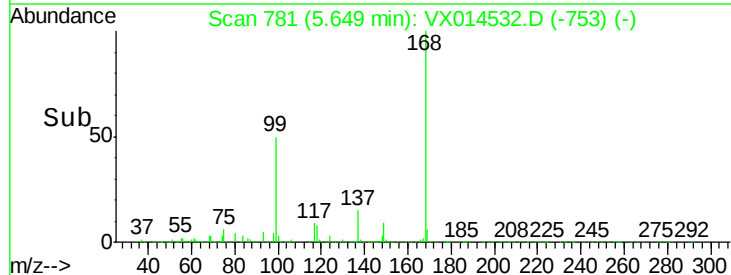
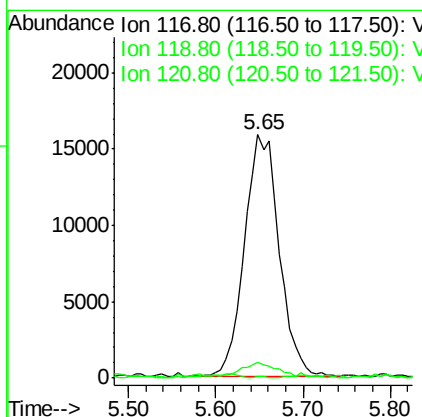
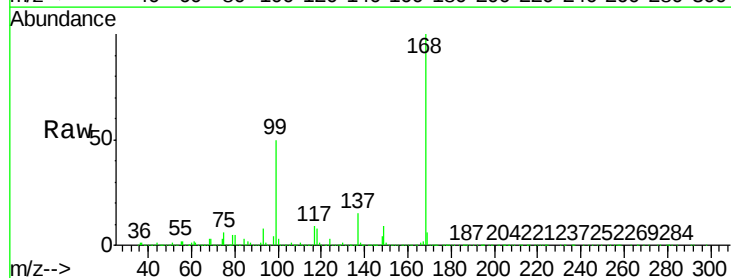
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2020-1

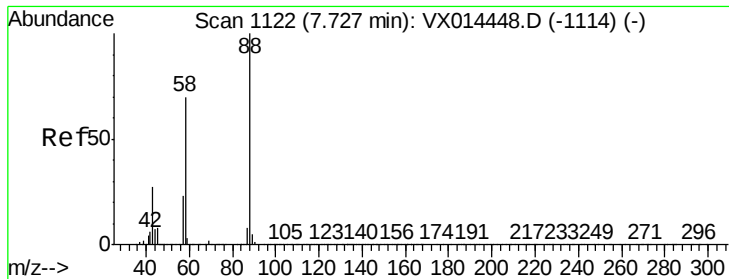
Tgt Ion: 75 Resp: 33532
 Ion Ratio Lower Upper
 75 100
 110 11.7 18.6 55.8#
 77 1.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.493 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014532.D
 Acq: 10 Jan 2020 13:16

Tgt Ion: 117 Resp: 43956
 Ion Ratio Lower Upper
 117 100
 119 5.9 73.8 110.8#
 121 0.0 23.4 35.0#

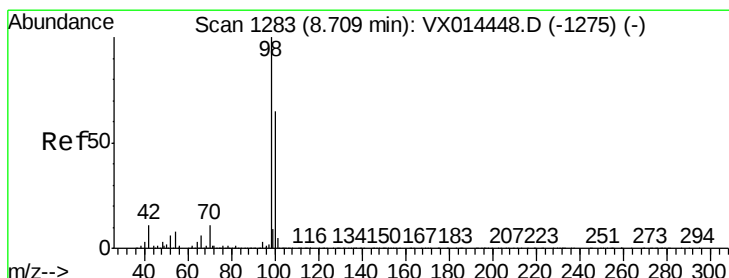
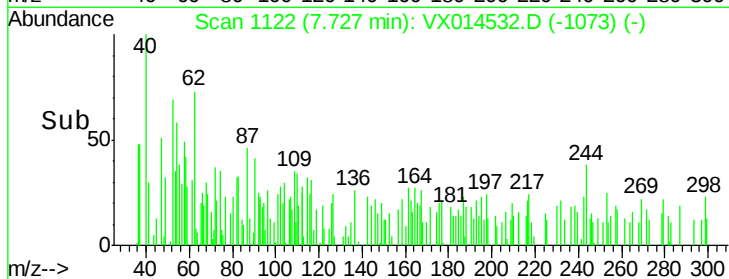
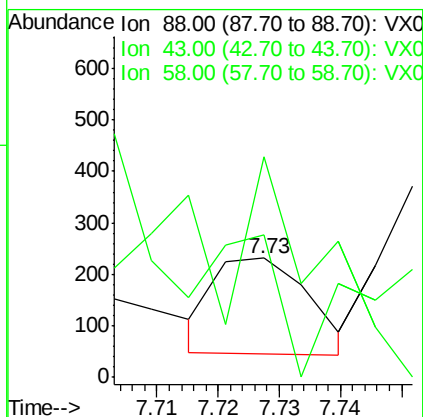
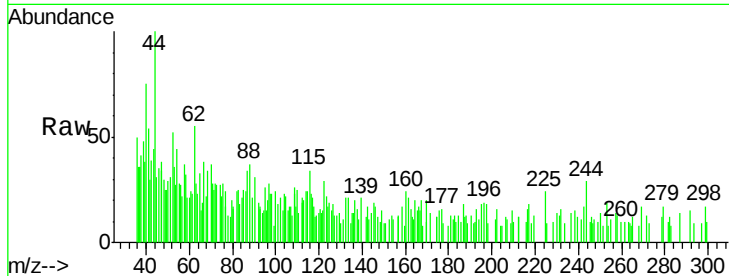




#49
1,4-Dioxane
Concen: 1.496 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VX014532.D
Acq: 10 Jan 2020 13:16

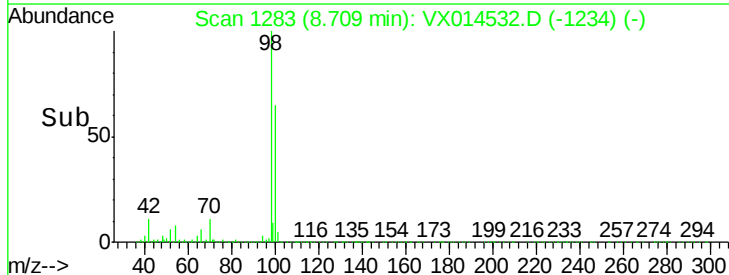
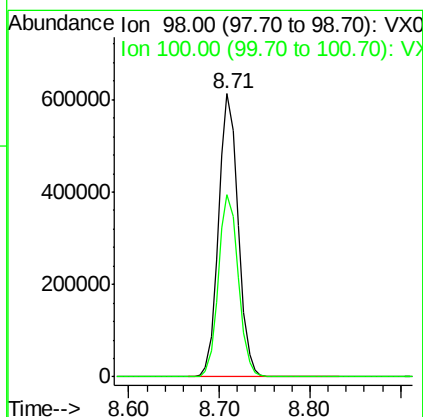
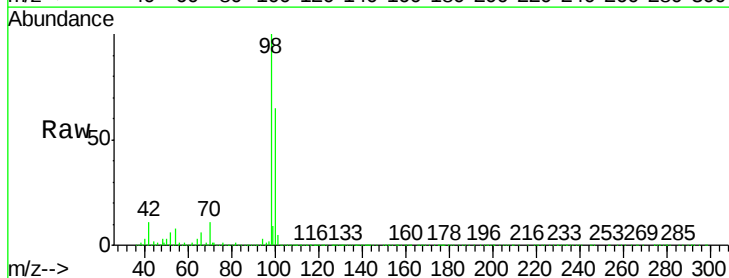
Instrument :
MSVOA_X
ClientSampled :
S32-TB-2020-1

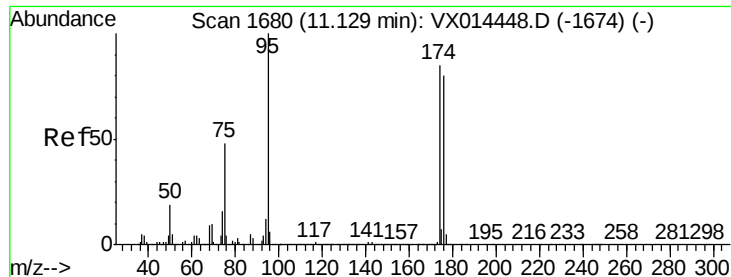
Tgt Ion: 88 Resp: 196
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 182.1 57.1 85.7#



#50
Toluene-d8
Concen: 50.454 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014532.D
Acq: 10 Jan 2020 13:16

Tgt Ion: 98 Resp: 927139
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 46.122 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2020-1

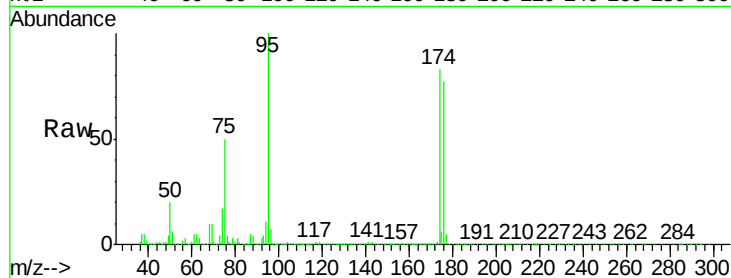
Tgt Ion: 95 Resp: 311141

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

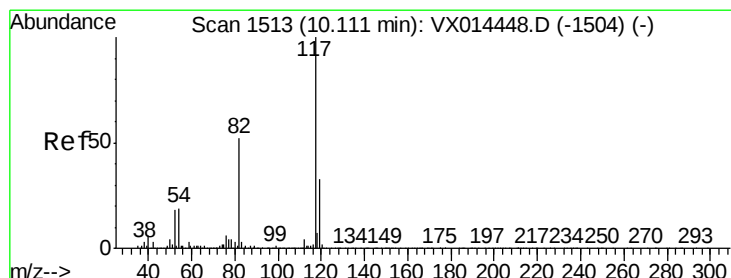
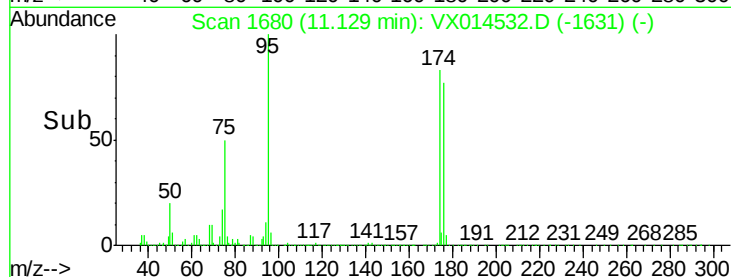
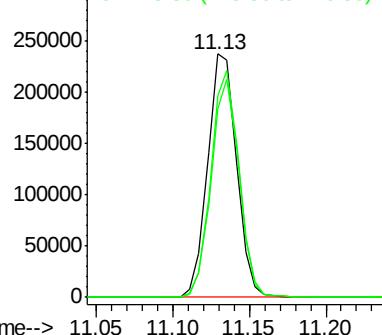
176 86.5 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

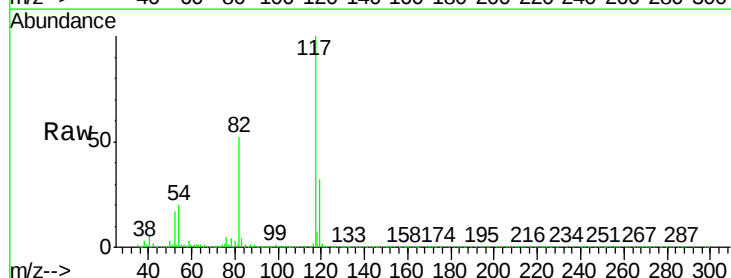
Tgt Ion: 117 Resp: 702836

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.6

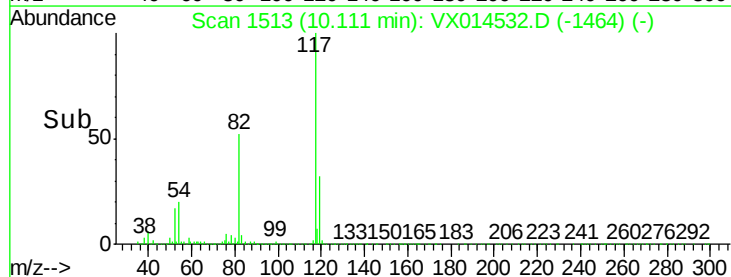
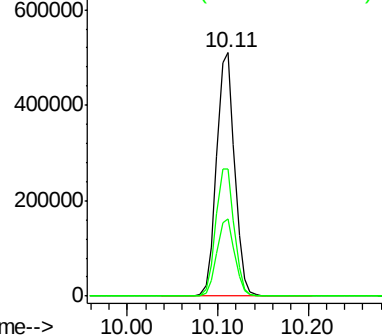
119 31.6 26.2 39.4

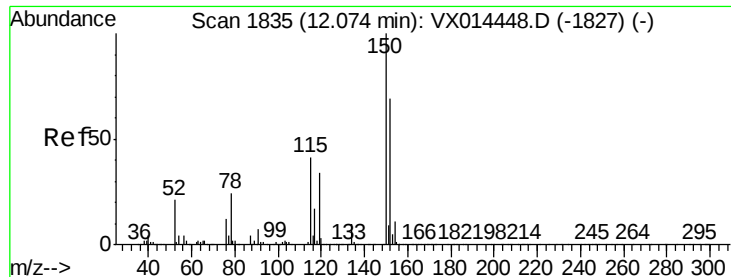


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2020-1

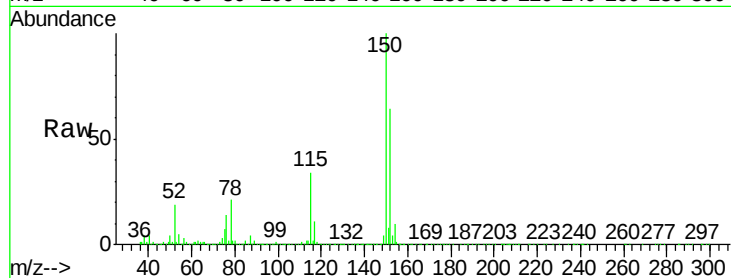
Tgt Ion: 152 Resp: 319535

Ion Ratio Lower Upper

152 100

115 54.5 39.5 118.3

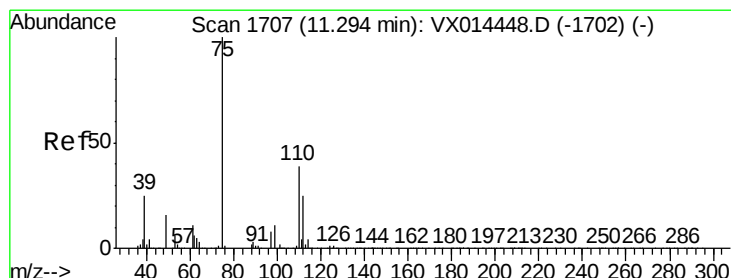
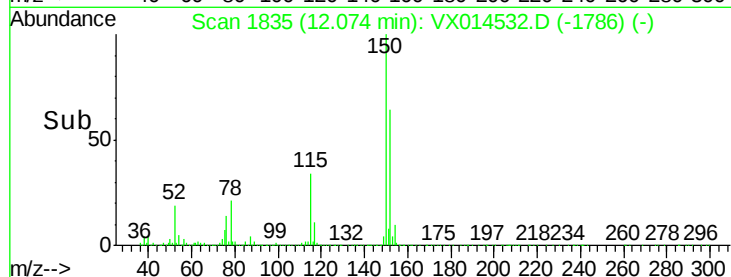
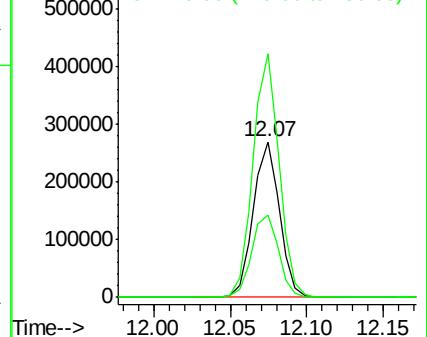
150 156.0 0.0 350.2



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: 22.641 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014532.D

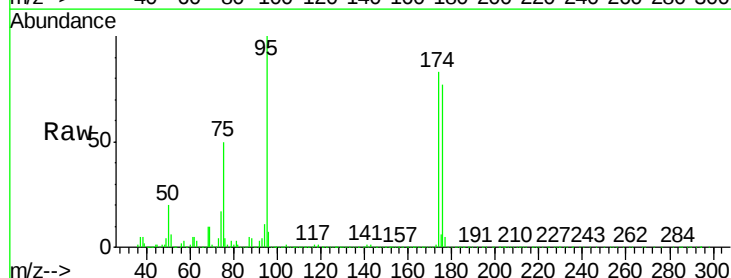
Acq: 10 Jan 2020 13:16

Tgt Ion: 75 Resp: 149685

Ion Ratio Lower Upper

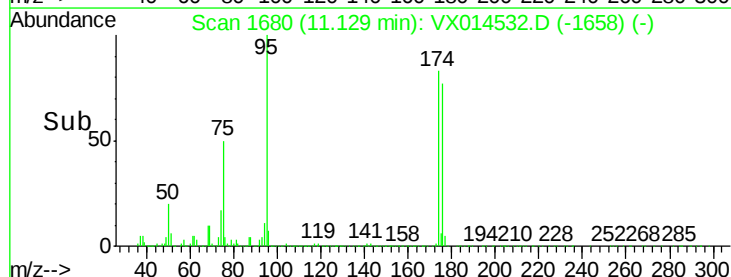
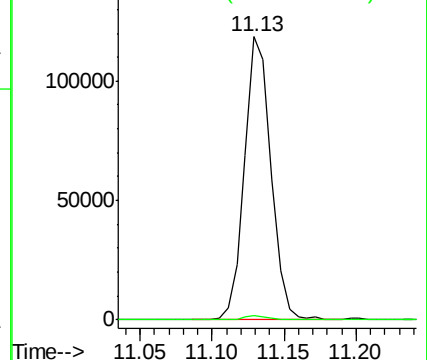
75 100

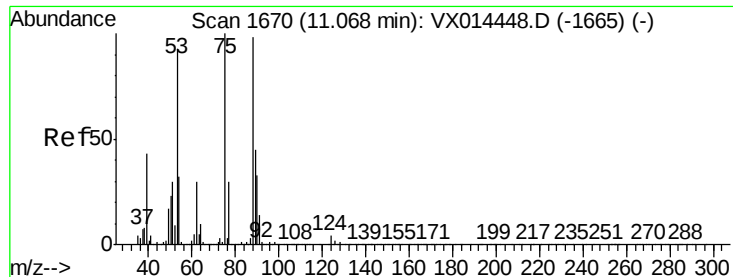
77 1.3 21.9 65.7#



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: 59.859 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2020-1

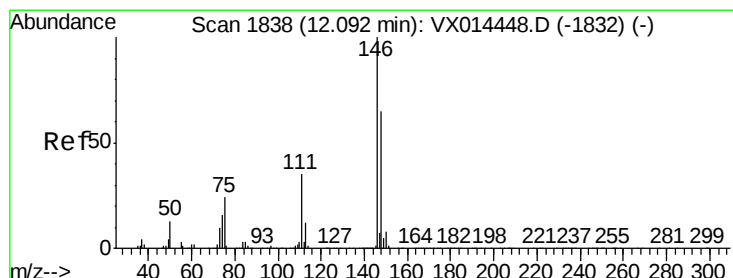
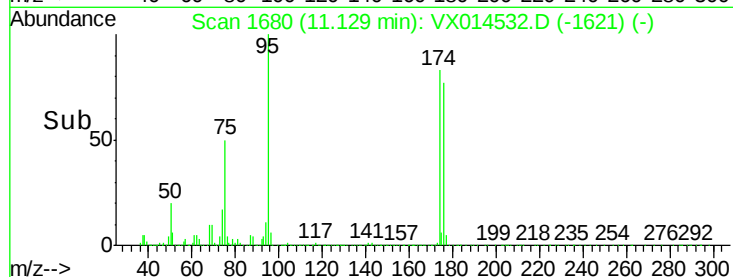
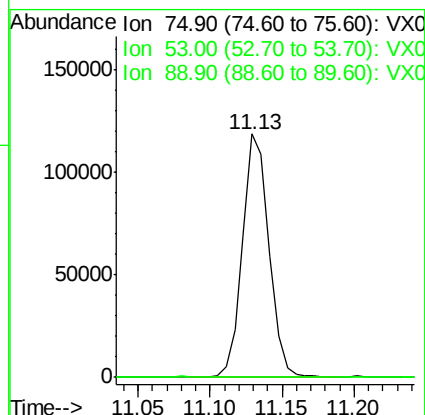
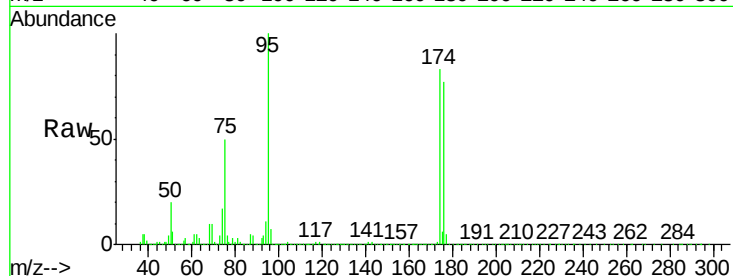
Tgt Ion: 75 Resp: 149685

Ion Ratio Lower Upper

75 100

53 0.2 74.8 112.2#

89 0.2 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014532.D

Acq: 10 Jan 2020 13:16

Tgt Ion: 146 Resp: 1162

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.1#

148 0.0 32.1 96.3#

