

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072020\
 Data File : VX017440.D
 Acq On : 20 Jul 2020 17:36
 Operator : JC/SP
 Sample : PB130293ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130293ZHE#01

Quant Time: Jul 21 02:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	244509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	447591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	162104	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	5.46	113	141866	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	8.70	98	521369	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.12	95	225771	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	

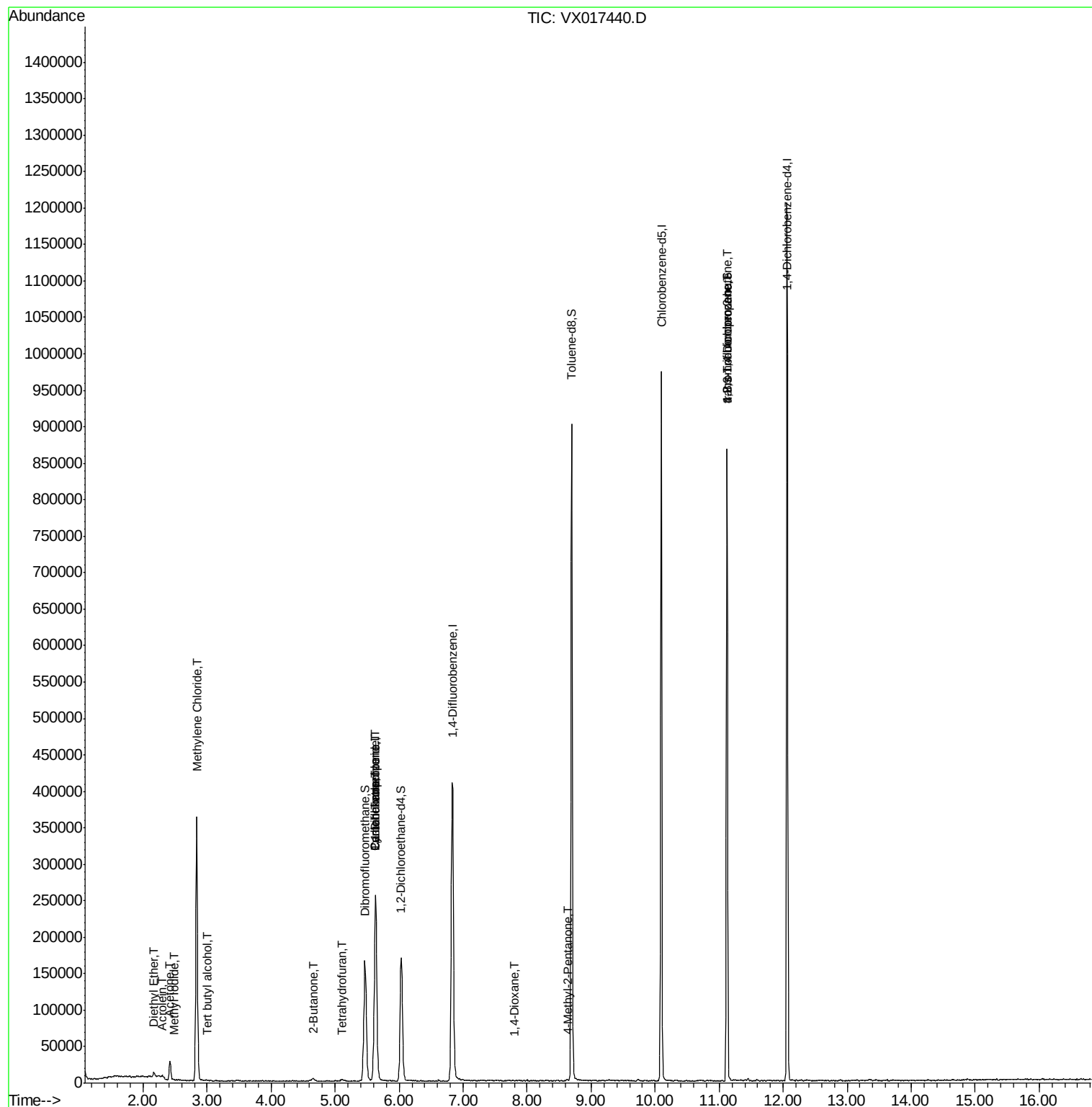
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2397	1.744	ug/l	95
10) Methyl Iodide	2.49	142	50	2.390	ug/l #	46
11) Tert butyl alcohol	3.01	59	562	1.087	ug/l #	37
13) Acrolein	2.29	56	180	0.635	ug/l #	1
16) Acetone	2.42	43	27066	24.722	ug/l	97
20) Methylene Chloride	2.84	84	166184	62.214	ug/l	96
25) 2-Butanone	4.65	43	3689	2.121	ug/l	97
29) Tetrahydrofuran	5.10	42	1342	1.192	ug/l #	36
31) Cyclohexane	5.63	56	5040	1.426	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18935	4.918	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24208	5.371	ug/l #	20
49) 1,4-Dioxane	7.81	88	22	0.352	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	1567	0.404	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	112847	24.921	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	112847	63.219	ug/l #	11

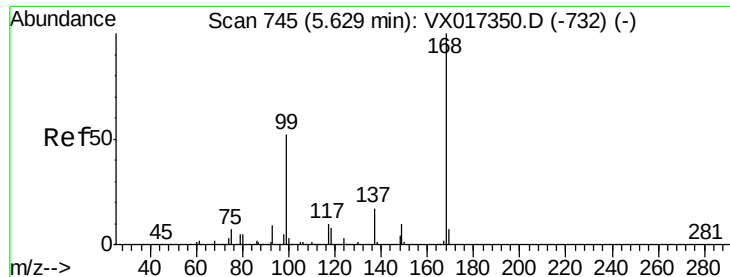
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

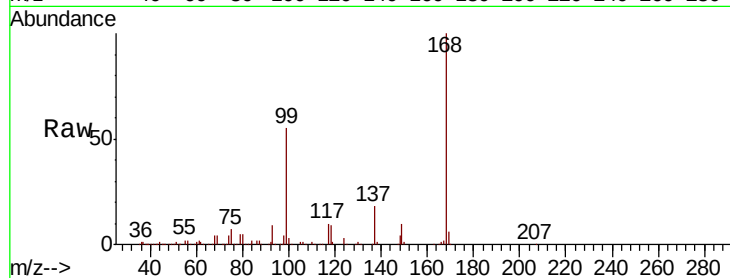
PB130293ZHE#01

Tot Ion:168 Resp: 244509

Ion Ratio Lower Upper

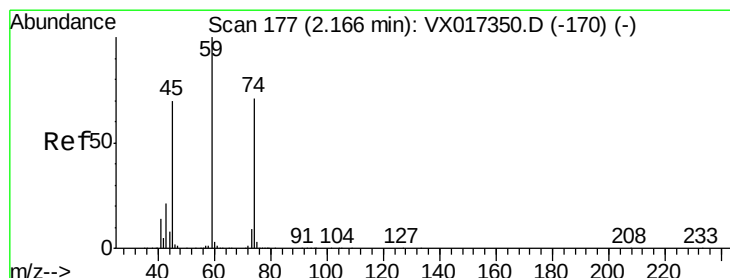
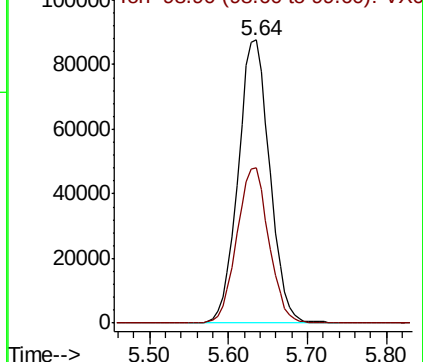
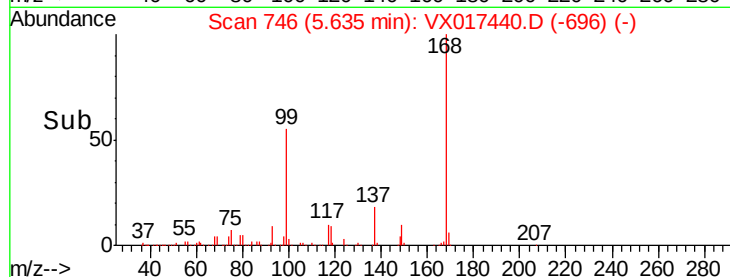
168 100

99 54.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.744 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017440.D

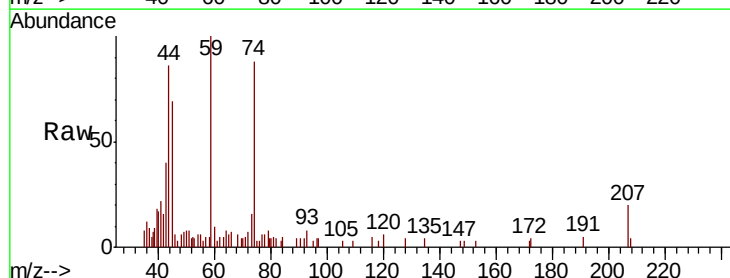
Acq: 20 Jul 2020 17:36

Tgt Ion: 74 Resp: 2397

Ion Ratio Lower Upper

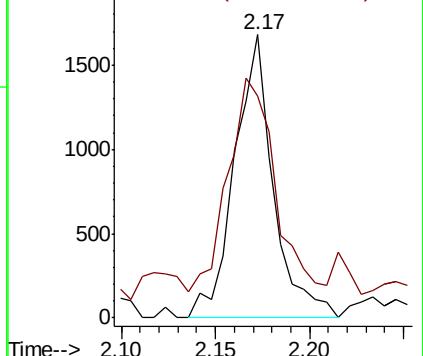
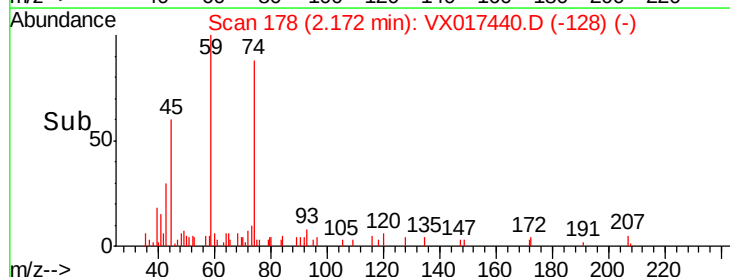
74 100

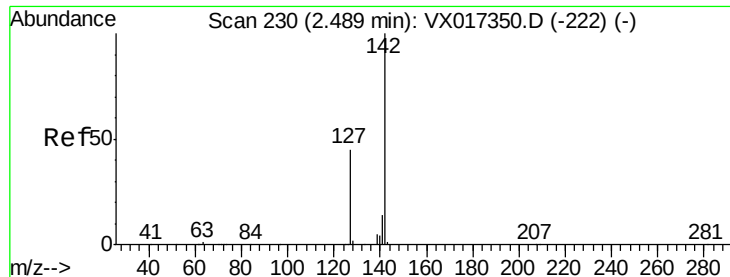
45 89.3 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

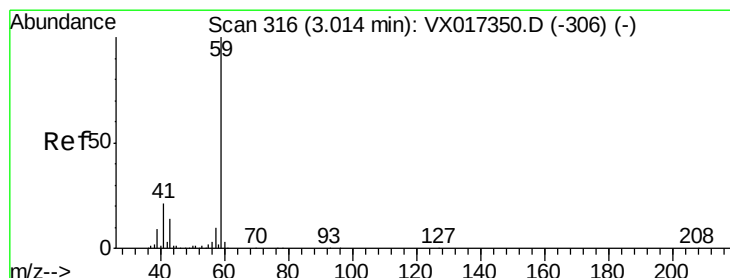
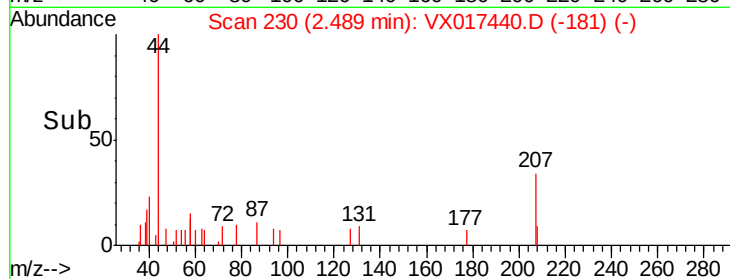
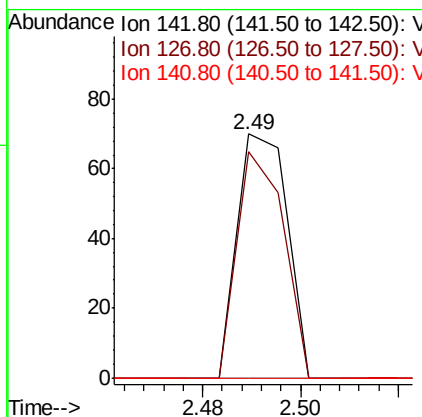
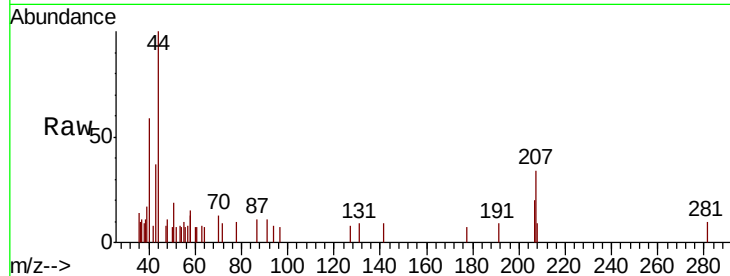




#10
Methyl Iodide
Concen: 2.390 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX017440.D
Acq: 20 Jul 2020 17:36

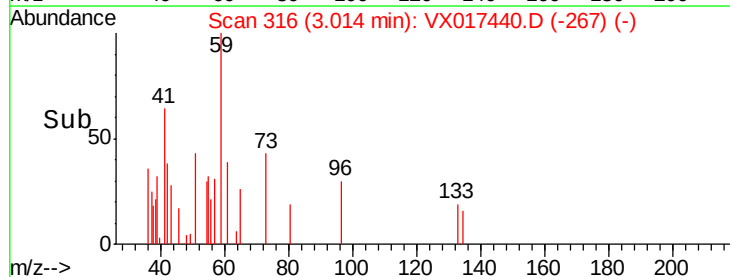
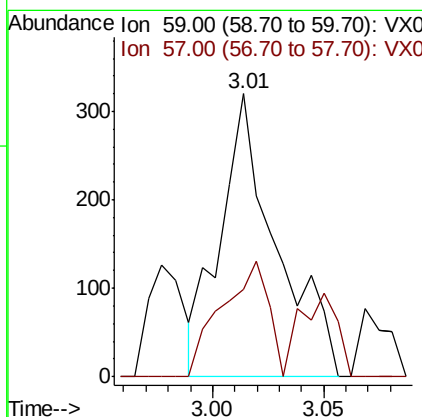
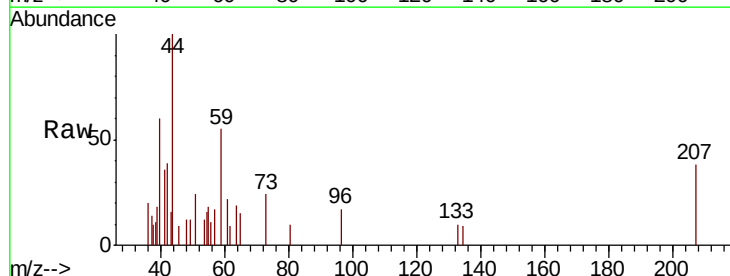
Instrument :
MSVOA_X
ClientSampleId :
PB130293ZHE#01

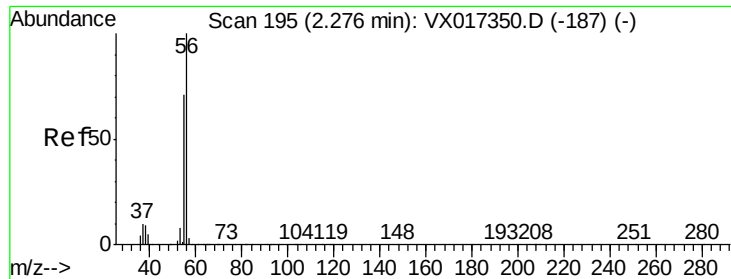
Tot Ion	Ratio	Lower	Upper
142	100		
127	86.0	36.8	55.2#
141	0.0	11.4	17.0#



#11
Tert butyl alcohol
Concen: 1.087 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017440.D
Acq: 20 Jul 2020 17:36

Tgt Ion	Ratio	Lower	Upper
59	100		
57	33.8	8.3	12.5#

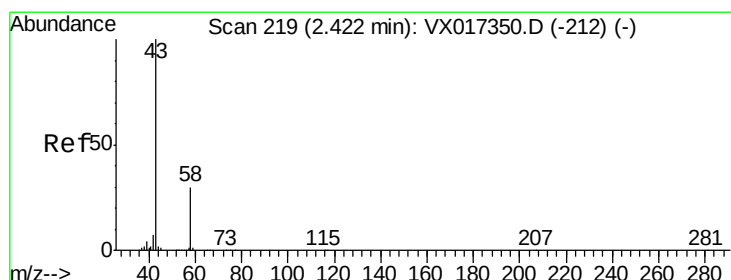
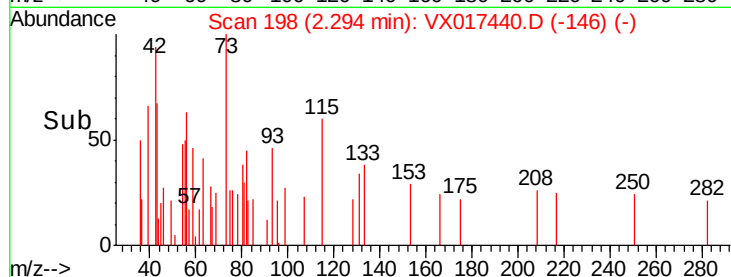
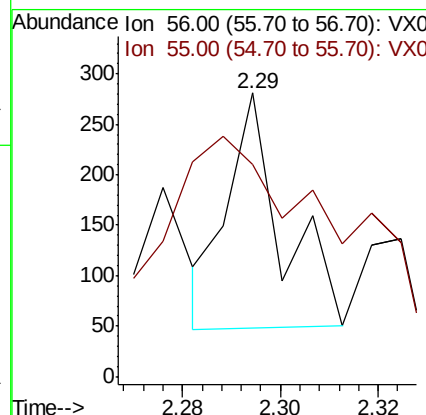
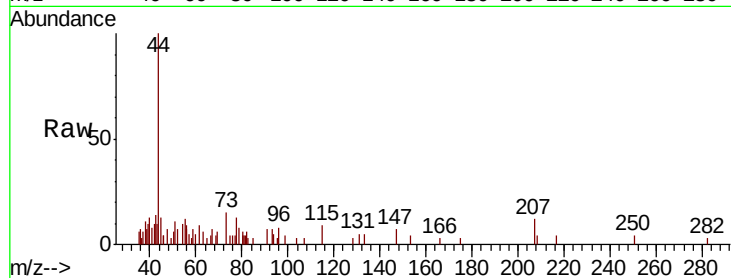




#13
Acrolein
Concen: 0.635 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX017440.D
Acq: 20 Jul 2020 17:36

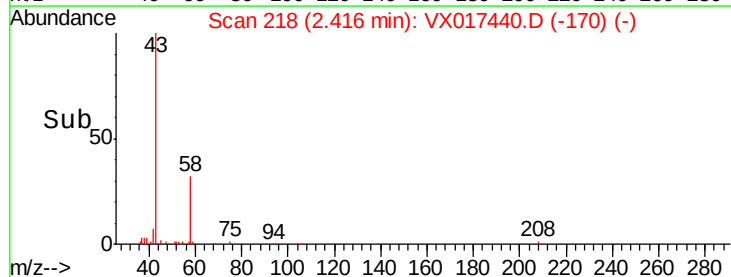
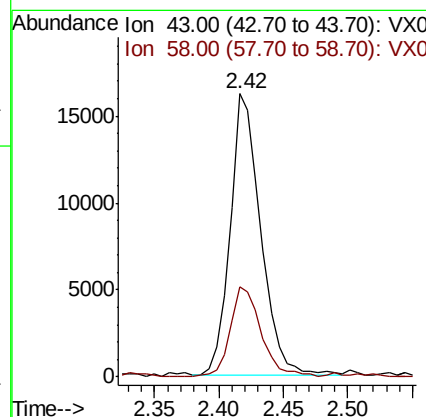
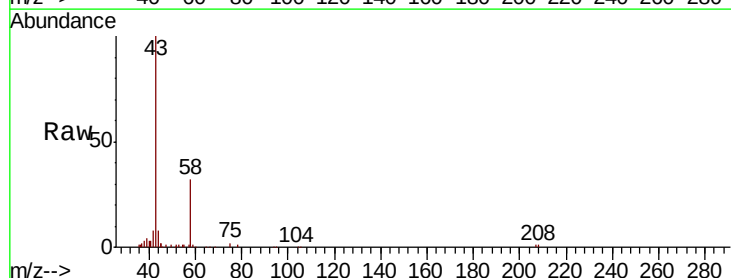
Instrument :
MSVOA_X
ClientSampleId :
PB130293ZHE#01

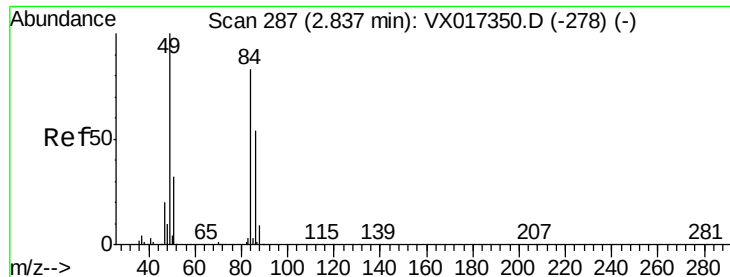
Tot Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 317.8 57.1 85.7#



#16
Acetone
Concen: 24.722 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017440.D
Acq: 20 Jul 2020 17:36

Tgt Ion: 43 Resp: 27066
Ion Ratio Lower Upper
43 100
58 31.6 24.2 36.2

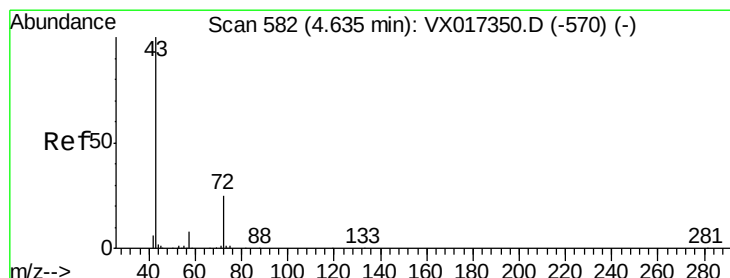
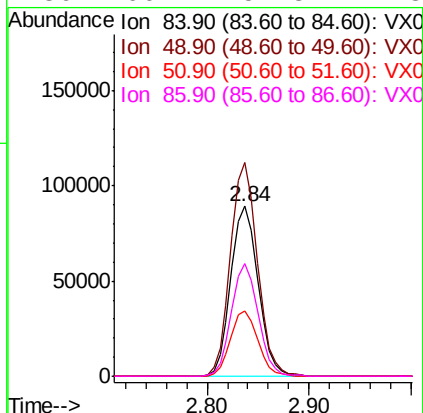
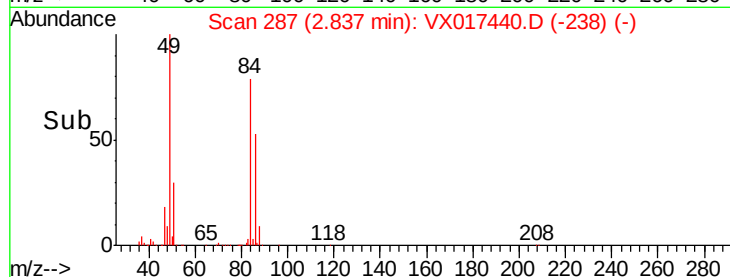
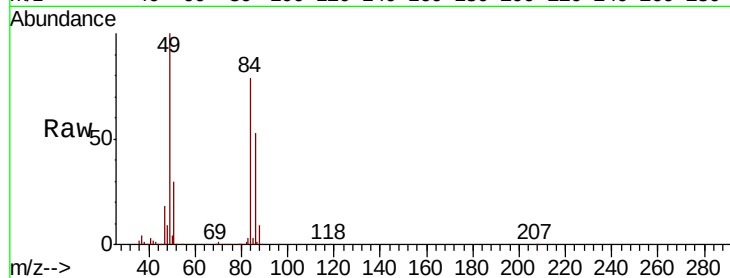




#20
Methvlene Chloride
Concen: 62.214 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017440.D
Acq: 20 Jul 2020 17:36

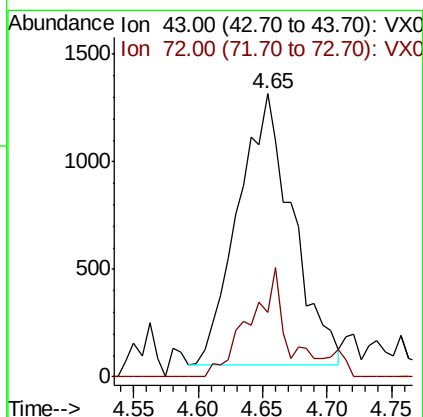
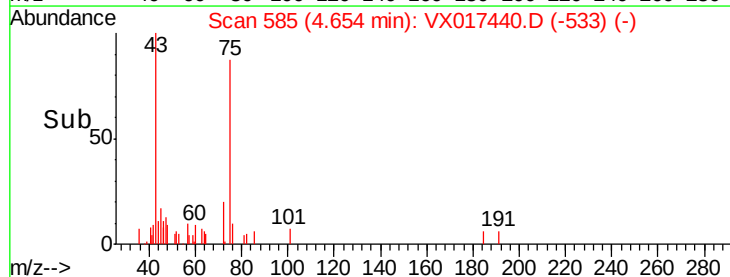
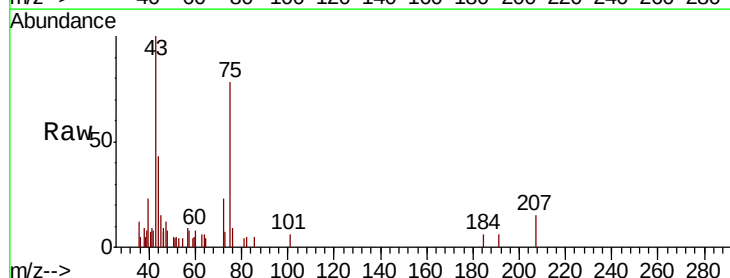
Instrument :
MSVOA_X
ClientSampleId :
PB130293ZHE#01

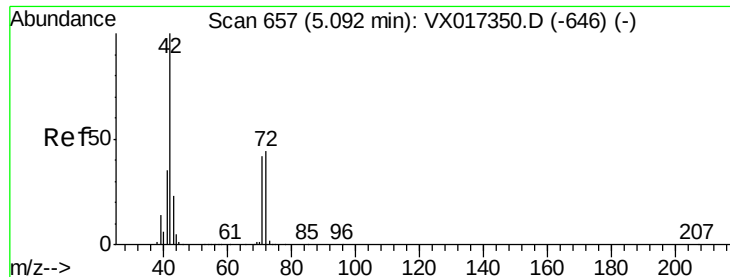
Tot Ion: 84 Resp: 166184
Ion Ratio Lower Upper
84 100
49 125.8 95.8 143.8
51 38.1 31.0 46.4
86 66.2 51.8 77.8



#25
2-Butanone
Concen: 2.121 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017440.D
Acq: 20 Jul 2020 17:36

Tgt Ion: 43 Resp: 3689
Ion Ratio Lower Upper
43 100
72 23.7 20.4 30.6





#29

Tetrahydrofuran

Concen: 1.192 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB130293ZHE#01

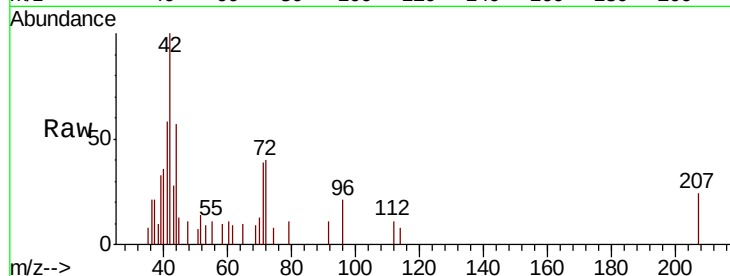
Tot Ion: 42 Resp: 1342

Ion Ratio Lower Upper

42 100

72 86.7 37.2 55.8#

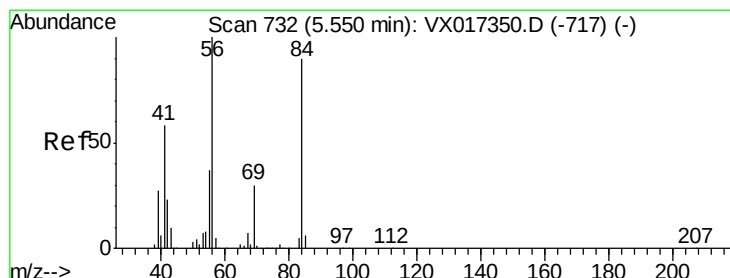
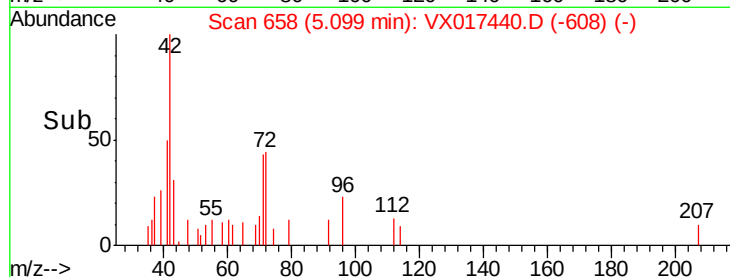
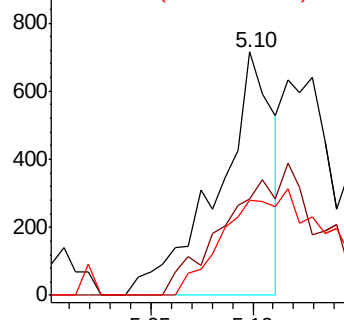
71 86.8 34.4 51.6#



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



#31

Cyclohexane

Concen: 1.426 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

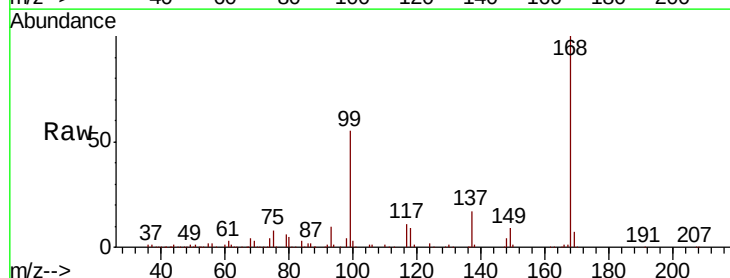
Tgt Ion: 56 Resp: 5040

Ion Ratio Lower Upper

56 100

69 174.8 23.7 35.5#

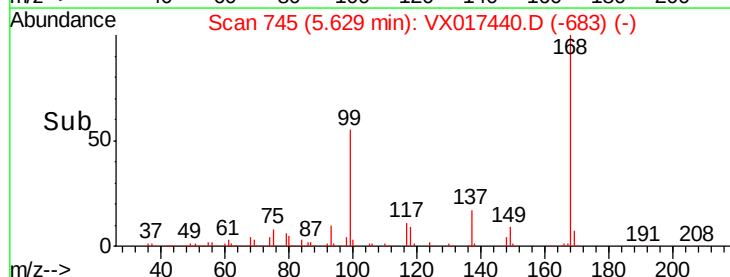
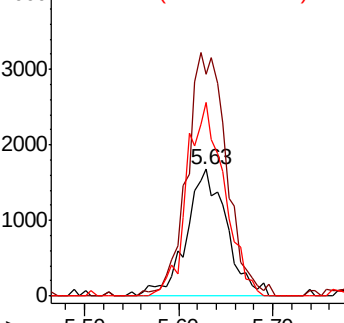
84 168.4 71.8 107.6#

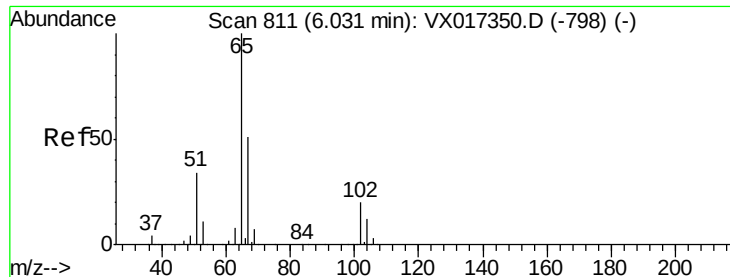


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

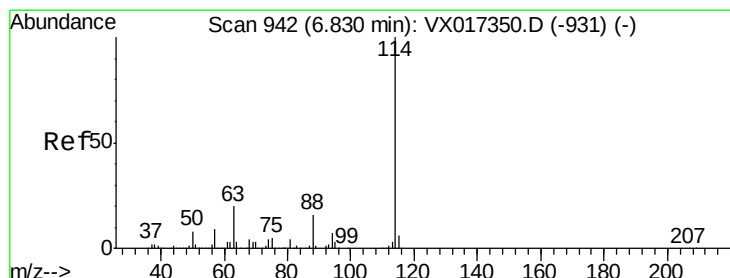
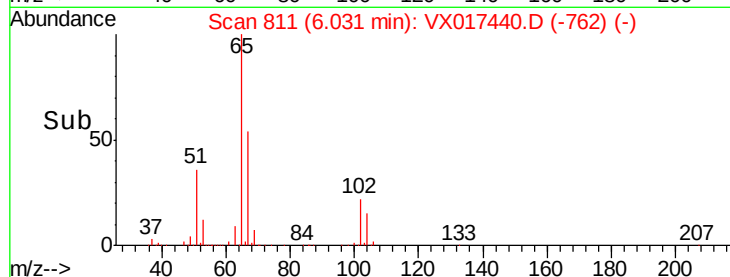
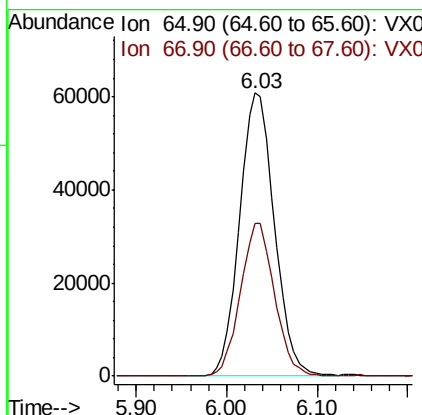
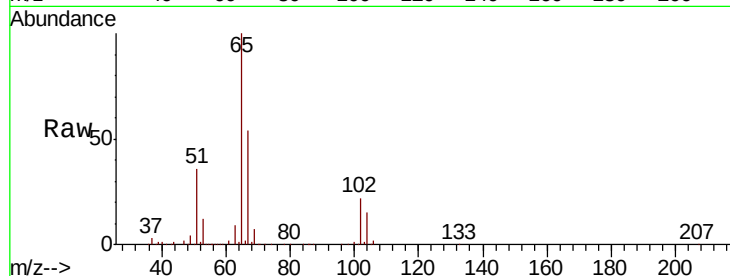




#33
 1,2-Dichloroethane-d4
 Concen: 52.823 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017440.D
 Acq: 20 Jul 2020 17:36

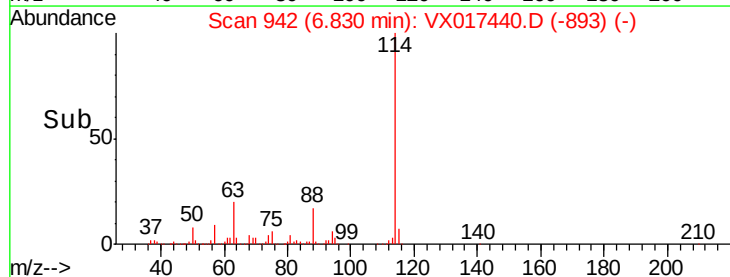
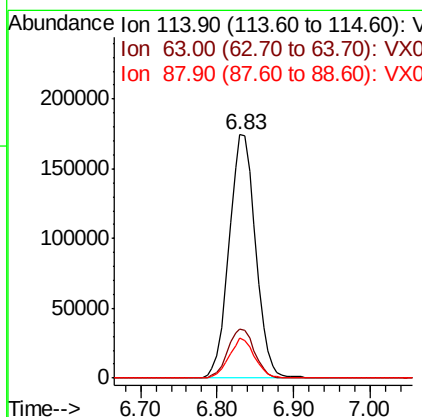
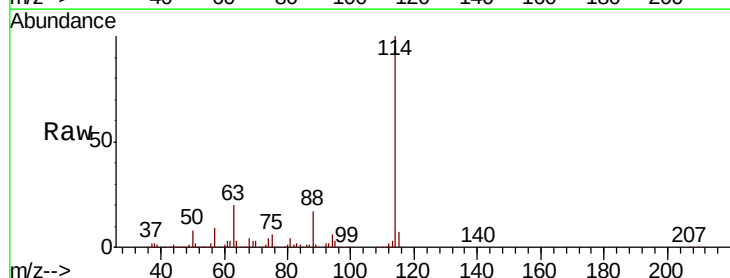
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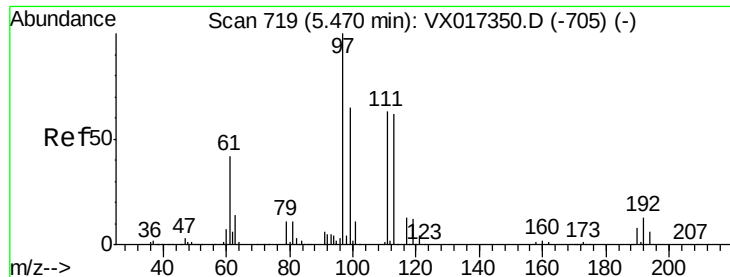
Tot Ion: 65 Resp: 162104
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017440.D
 Acq: 20 Jul 2020 17:36

Tgt Ion: 114 Resp: 418549
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 16.7 0.0 32.8

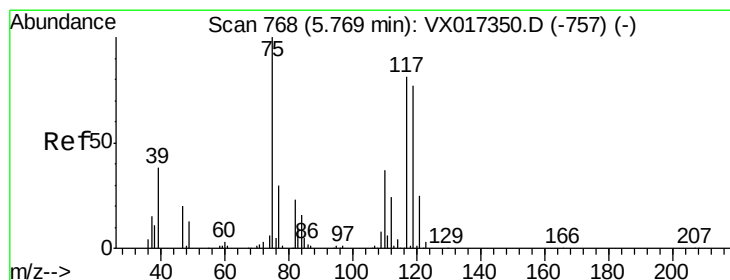
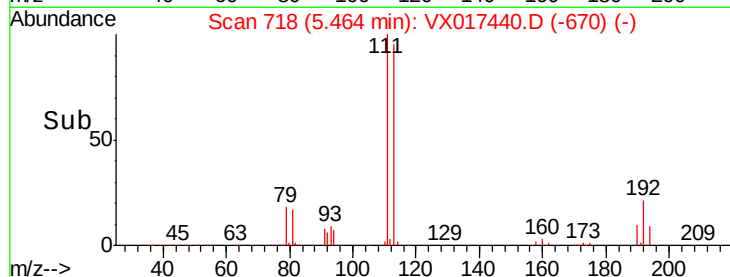
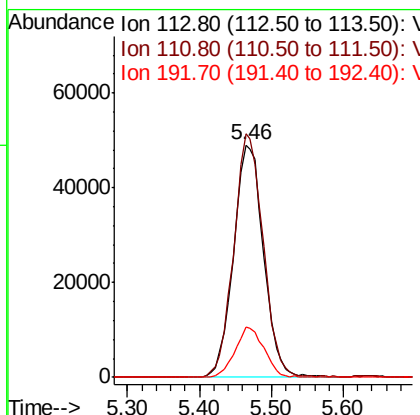
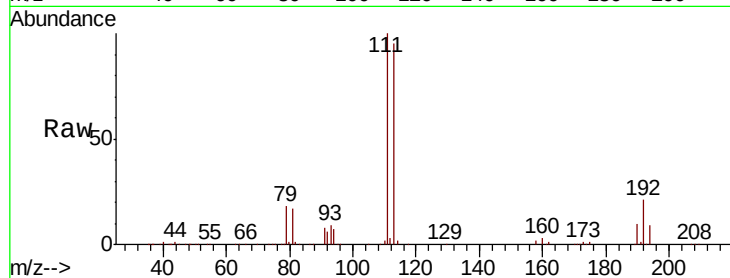




#35
 Dibromofluoromethane
 Concen: 50.317 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017440.D
 Acq: 20 Jul 2020 17:36

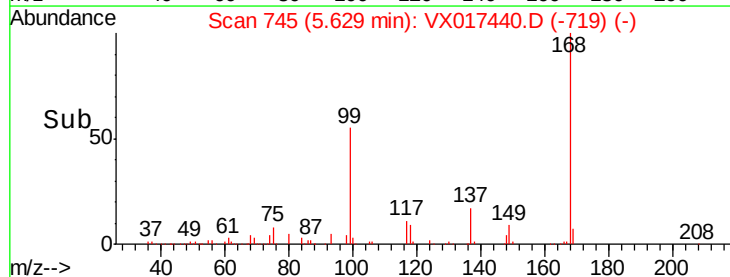
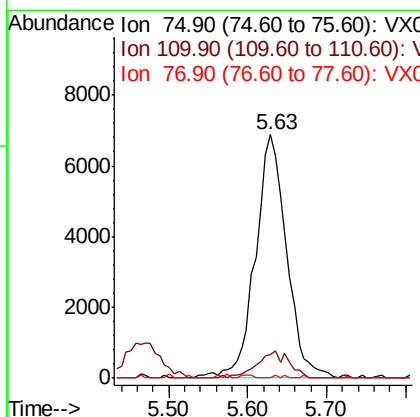
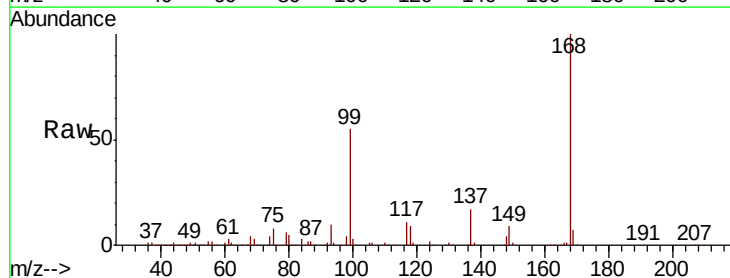
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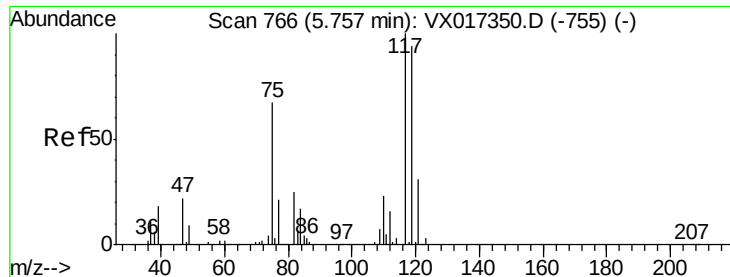
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	21.0	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017440.D
 Acq: 20 Jul 2020 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.6	55.8#
77	0.3	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.371 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB130293ZHE#01

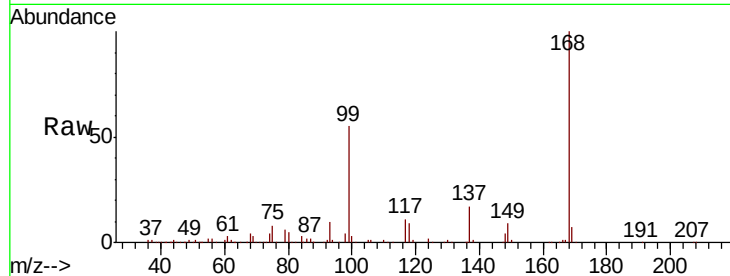
Tot Ion:117 Resp: 24208

Ion Ratio Lower Upper

117 100

119 8.2 74.7 112.1#

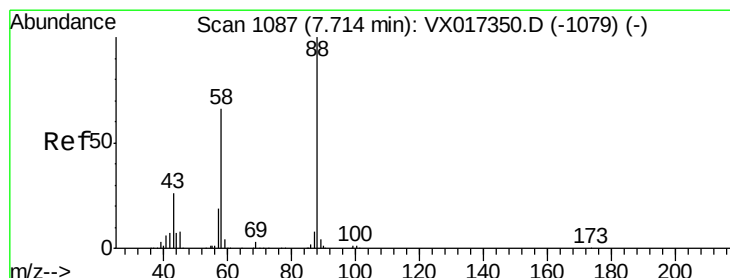
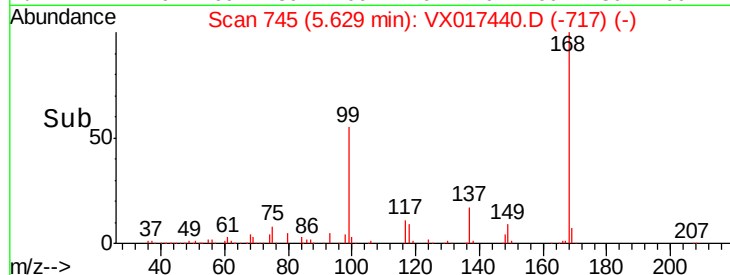
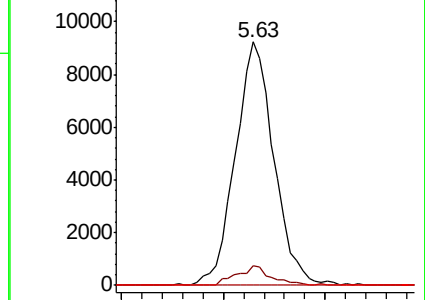
121 0.0 24.5 36.7#



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: 0.352 ug/l

RT: 7.81 min Scan# 1102

Delta R.T. 0.09 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

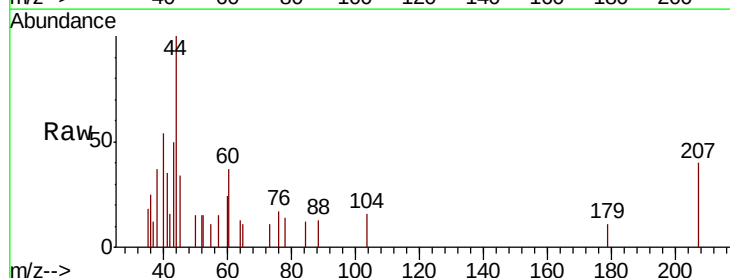
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 504.5 25.6 38.4#

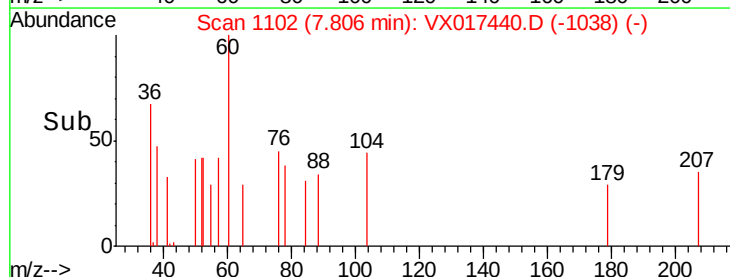
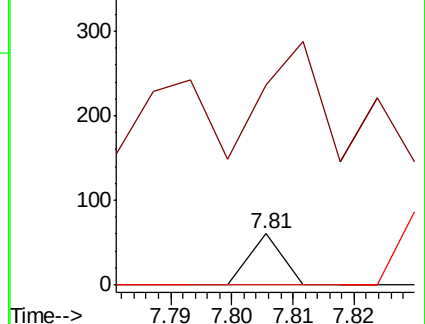
58 0.0 53.9 80.9#

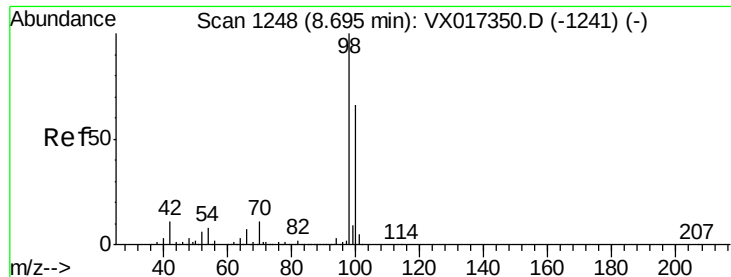


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.265 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

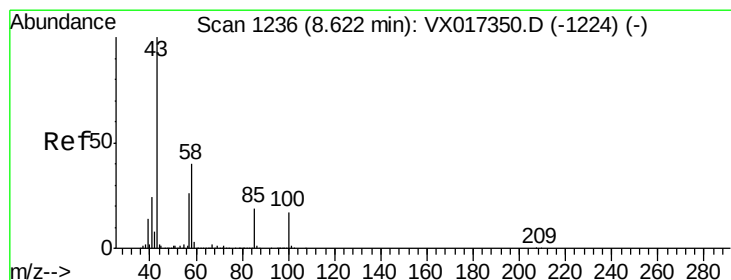
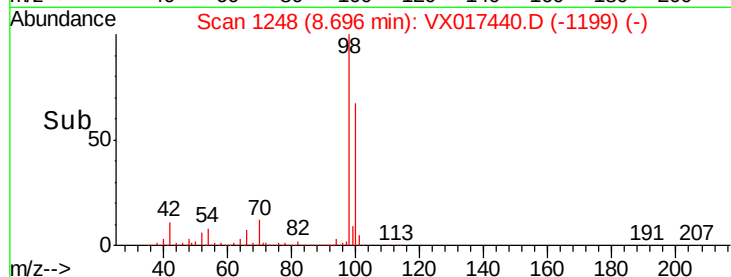
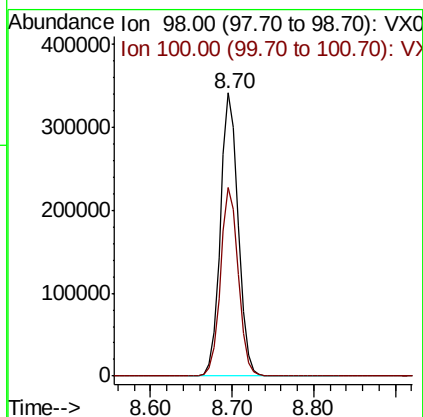
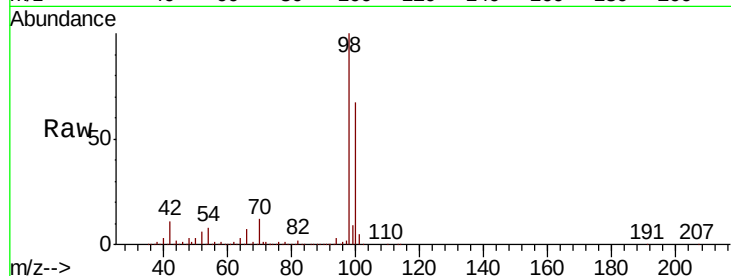
PB130293ZHE#01

Tot Ion: 98 Resp: 521369

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 0.404 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017440.D

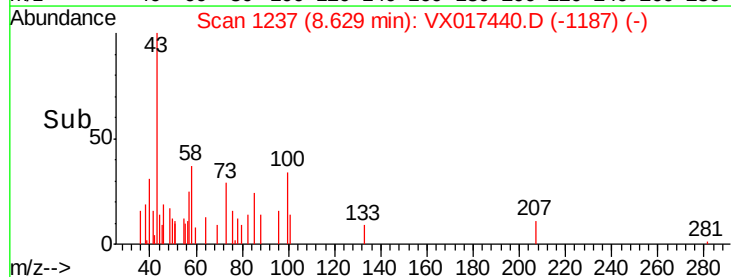
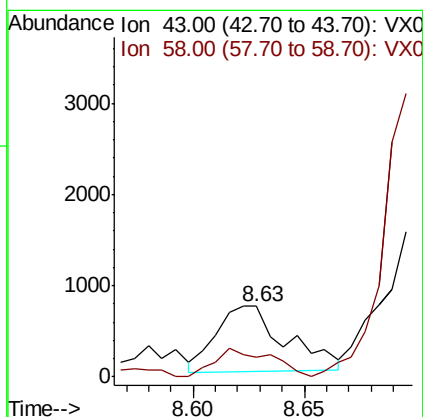
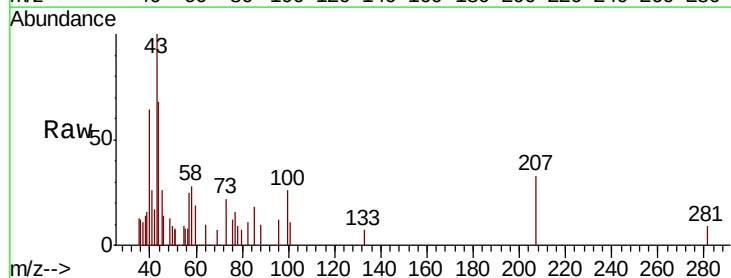
Acq: 20 Jul 2020 17:36

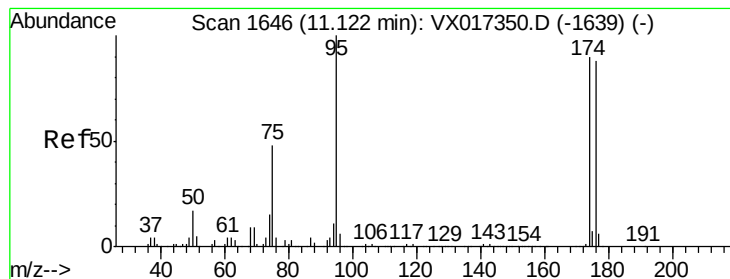
Tgt Ion: 43 Resp: 1567

Ion Ratio Lower Upper

43 100

58 35.5 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 55.888 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB130293ZHE#01

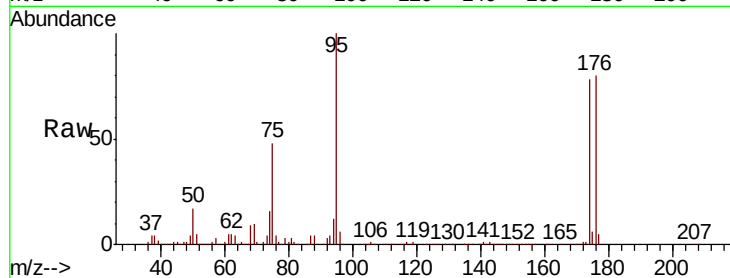
Tot Ion: 95 Resp: 225771

Ion Ratio Lower Upper

95 100

174 81.1 0.0 175.8

176 79.5 0.0 164.6

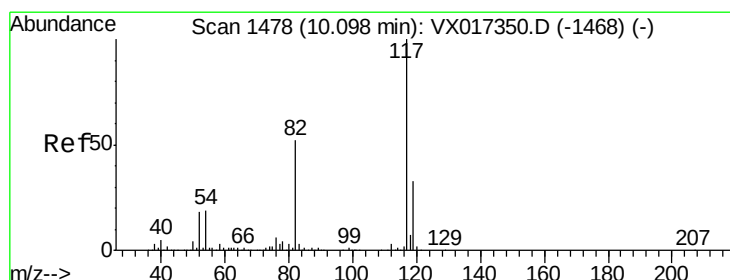
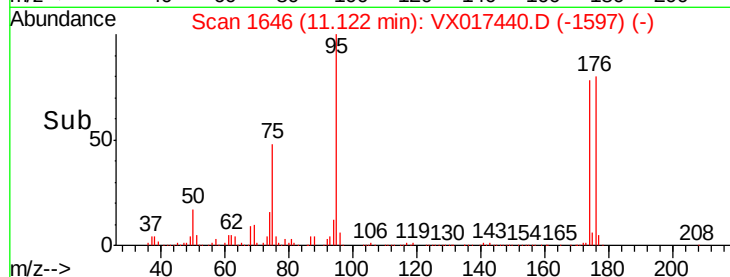


Abundance Ion 94.90 (94.60 to 95.60): VX017350.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017350.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017350.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

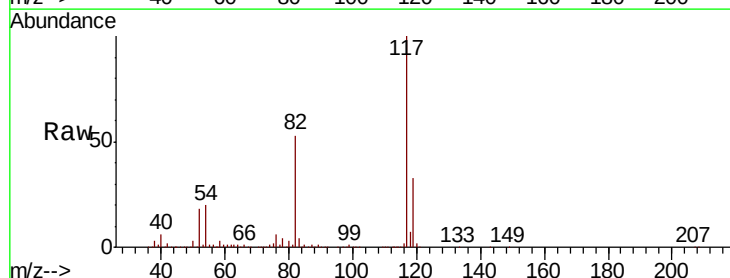
Tgt Ion: 117 Resp: 447591

Ion Ratio Lower Upper

117 100

82 53.0 42.0 63.0

119 32.9 26.3 39.5

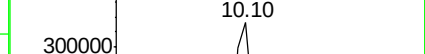
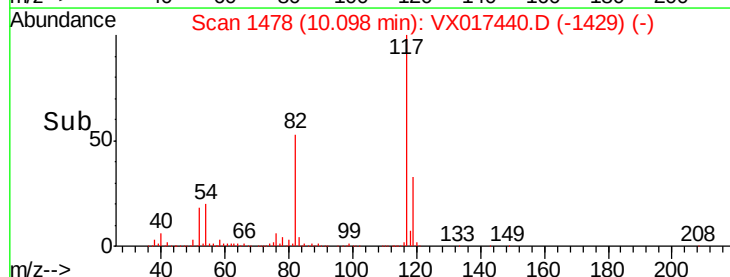


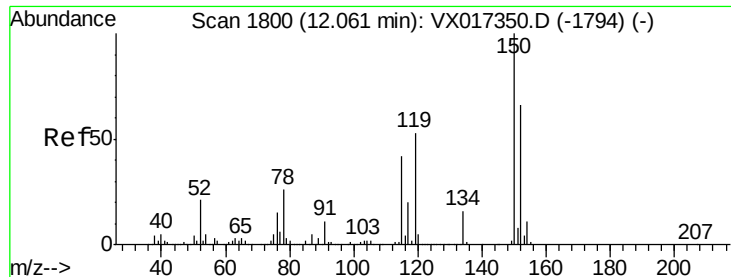
Abundance Ion 116.90 (116.60 to 117.60): VX017350.D (-1468) (-)

Ion 82.00 (81.70 to 82.70): VX017350.D (-1468) (-)

Ion 118.90 (118.60 to 119.60): VX017350.D (-1468) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB130293ZHE#01

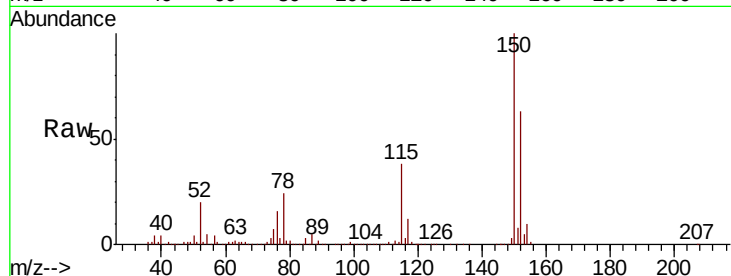
Tot Ion:152 Resp: 245055

Ion Ratio Lower Upper

152 100

115 58.0 39.9 119.7

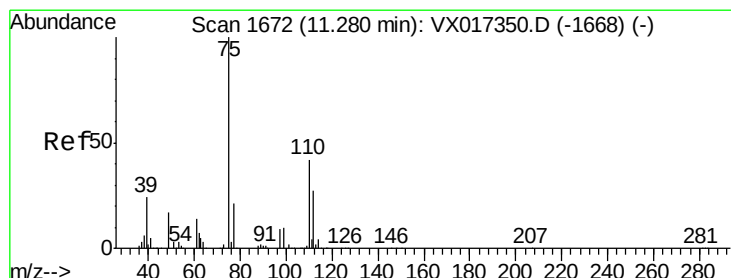
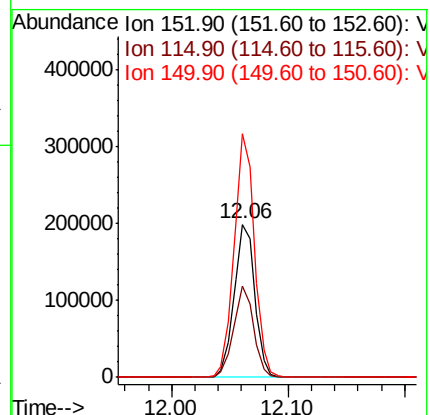
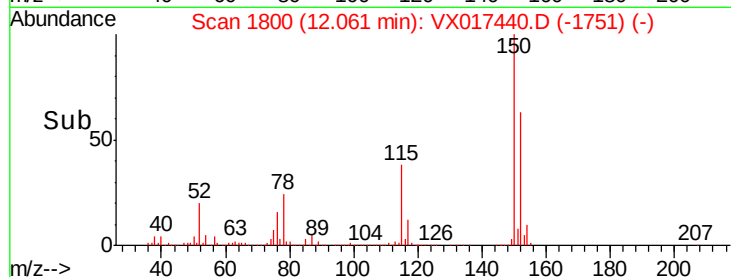
150 156.1 0.0 343.4



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: 24.921 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017440.D

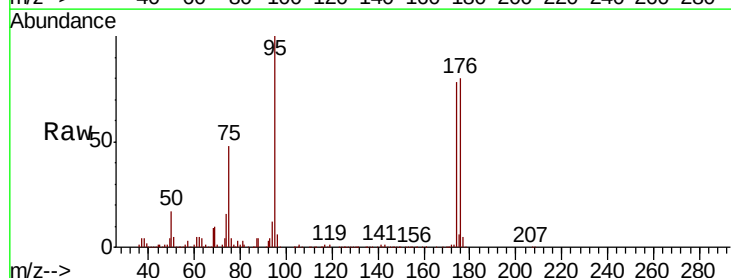
Acq: 20 Jul 2020 17:36

Tgt Ion: 75 Resp: 112847

Ion Ratio Lower Upper

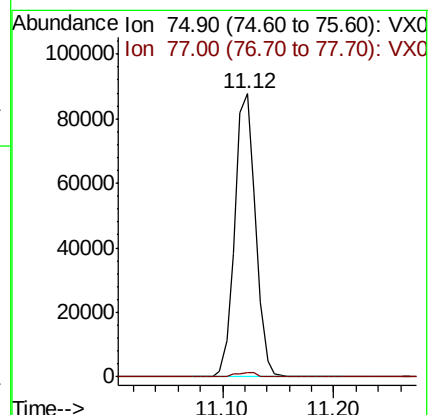
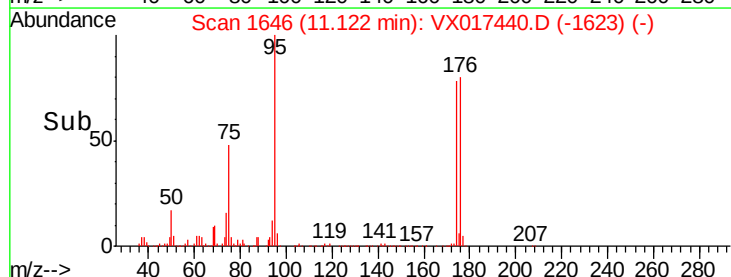
75 100

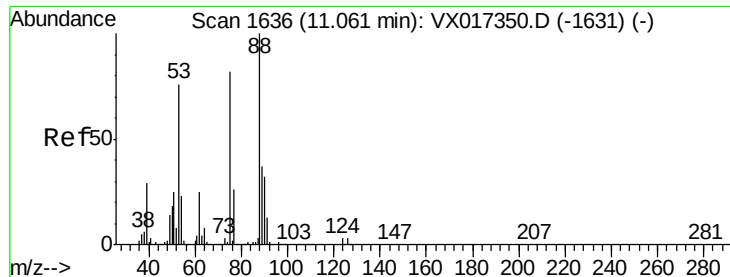
77 1.6 20.3 60.9#



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: 63.219 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017440.D

Acq: 20 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB130293ZHE#01

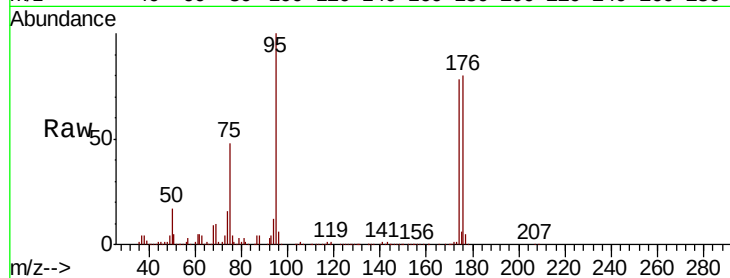
Tot Ion: 75 Resp: 112847

Ion Ratio Lower Upper

75 100

53 0.4 76.5 114.7#

89 0.0 38.1 57.1#



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

