

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018014.D
 Acq On : 20 Aug 2020 03:52
 Operator : JC/SP
 Sample : L3738-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-438-440

Quant Time: Aug 20 04:29:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	511459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	800871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	747344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	373106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	352985	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	5.47	113	282313	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	8.70	98	964865	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
62) 4-Bromofluorobenzene	11.12	95	354345	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	

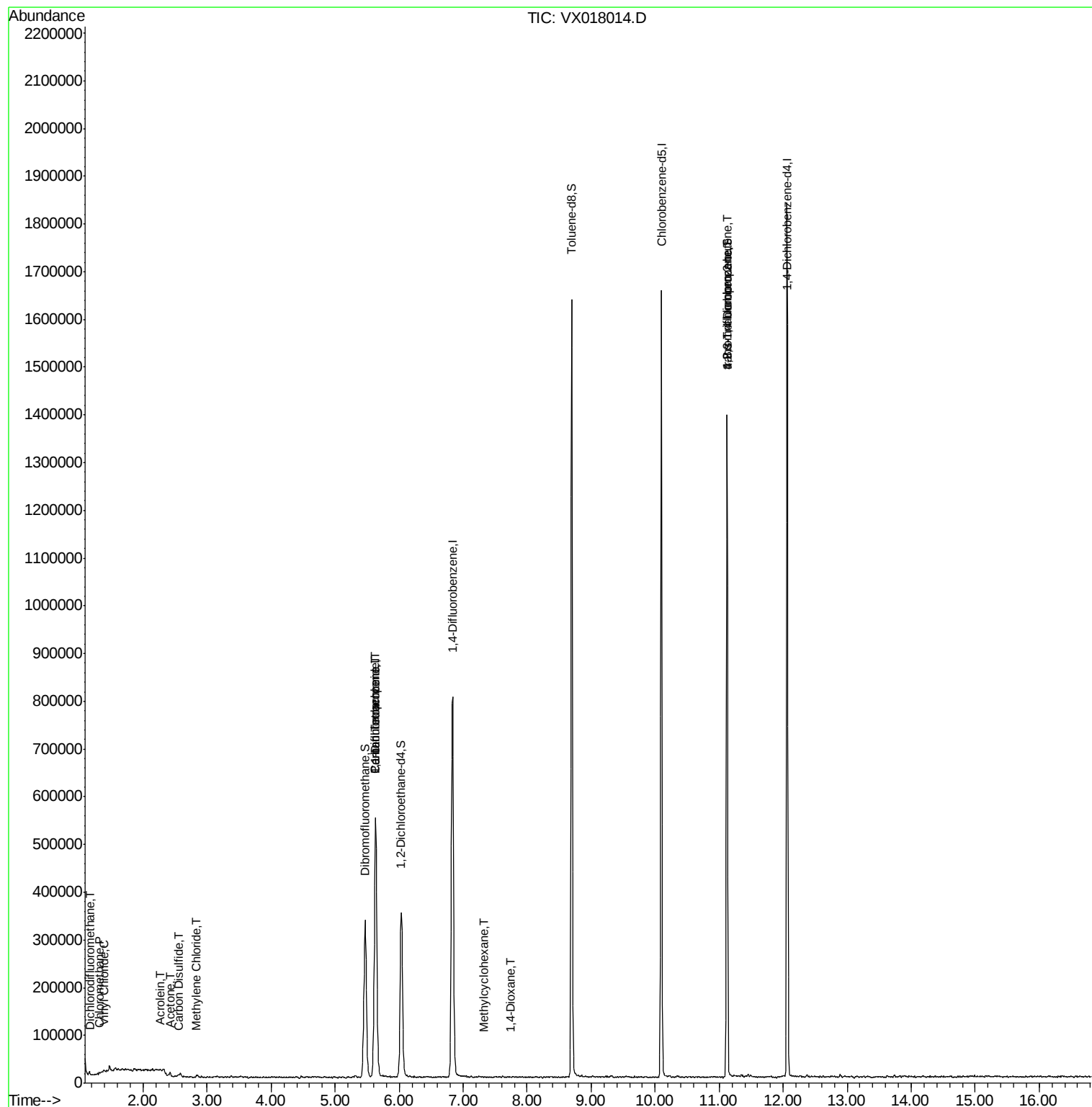
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	532	1.057	ug/l	91
3) Chloromethane	1.31	50	1824	0.261	ug/l	97
4) Vinyl Chloride	1.39	62	599	2.338	ug/l #	1
13) Acrolein	2.27	56	229	0.299	ug/l #	76
16) Acetone	2.42	43	8519	2.888	ug/l	92
17) Carbon Disulfide	2.55	76	3991	0.357	ug/l #	93
20) Methylene Chloride	2.83	84	1341	0.247	ug/l #	83
36) 1,1-Dichloropropene	5.63	75	39254	5.856	ug/l #	51
38) Carbon Tetrachloride	5.63	117	52468	6.048	ug/l #	16
39) Methylcyclohexane	7.33	83	307	0.848	ug/l	91
49) 1,4-Dioxane	7.73	88	129	0.982	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	179687	22.646	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	179687	59.493	ug/l #	12

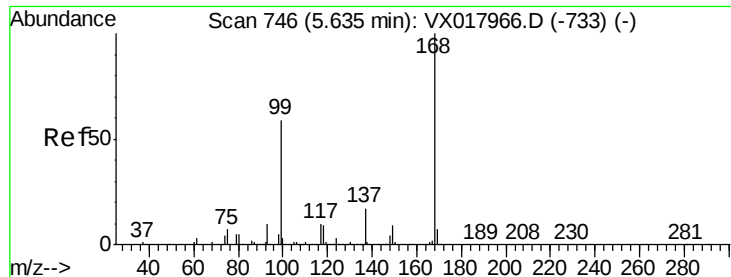
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

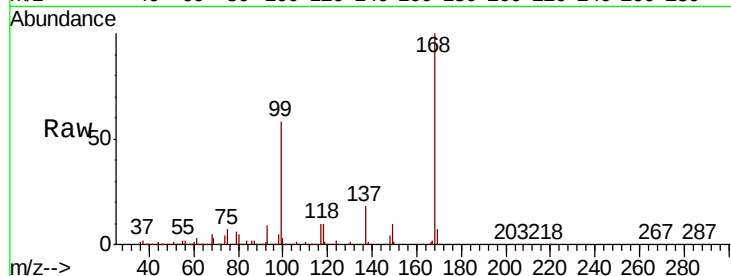
BP-VPB181-GW-438-440

Tot Ion:168 Resp: 511459

Ion Ratio Lower Upper

168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

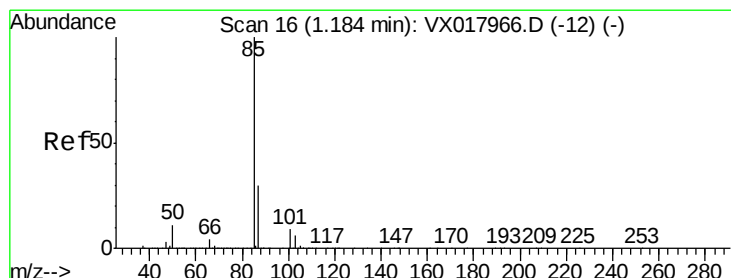
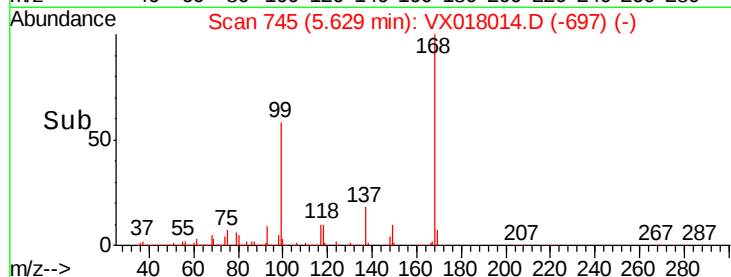
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 1.057 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018014.D

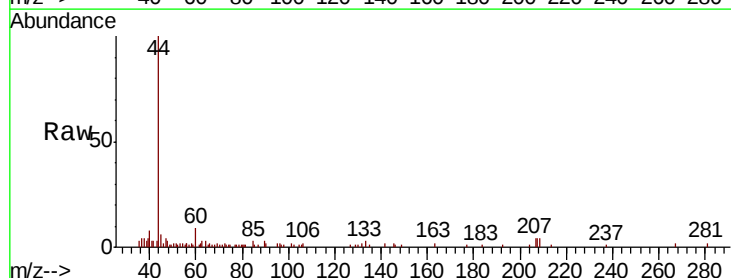
Acq: 20 Aug 2020 03:52

Tgt Ion: 85 Resp: 532

Ion Ratio Lower Upper

85 100

87 25.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

150

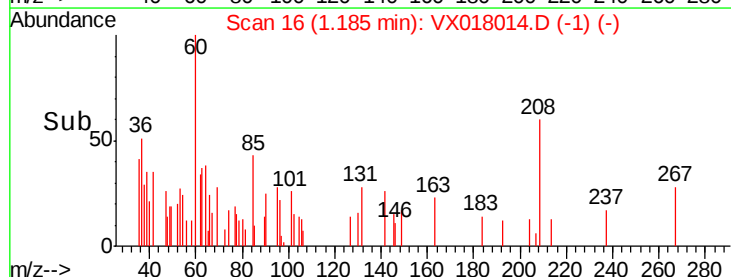
100

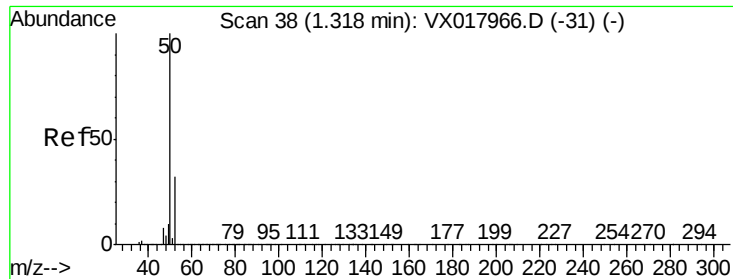
50

0

Time-->

1.15 1.20





#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

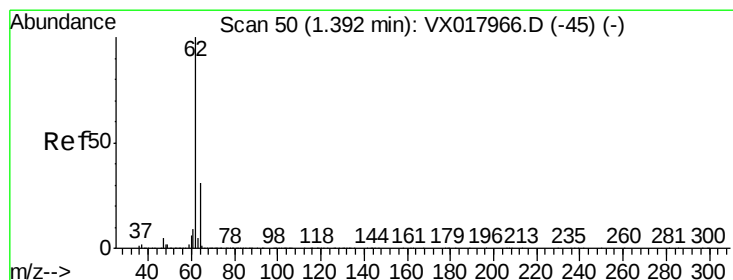
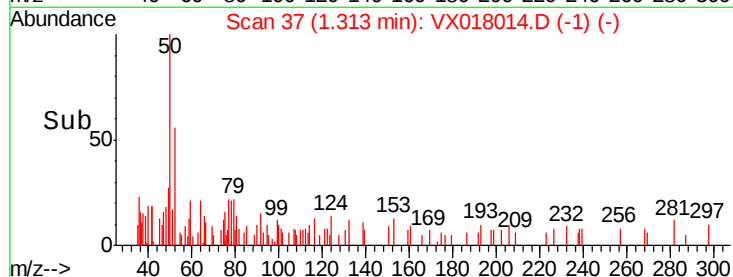
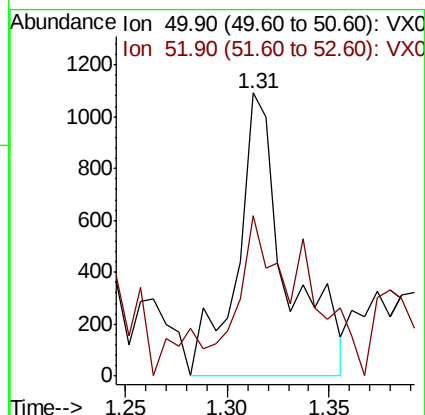
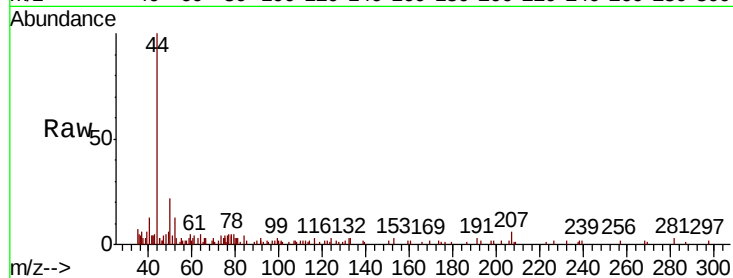
BP-VPB181-GW-438-440

Tot Ion: 50 Resp: 1824

Ion Ratio Lower Upper

50 100

52 33.1 25.4 38.0



#4

Vinyl Chloride

Concen: 2.338 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018014.D

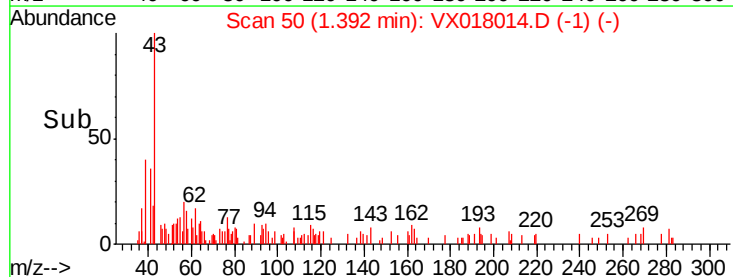
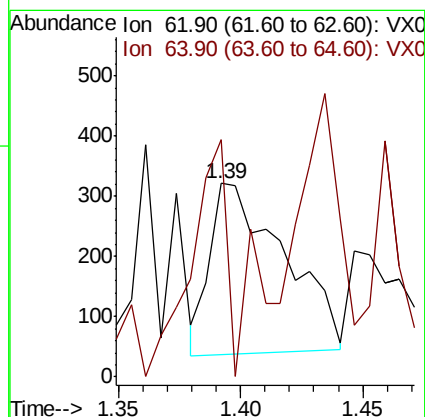
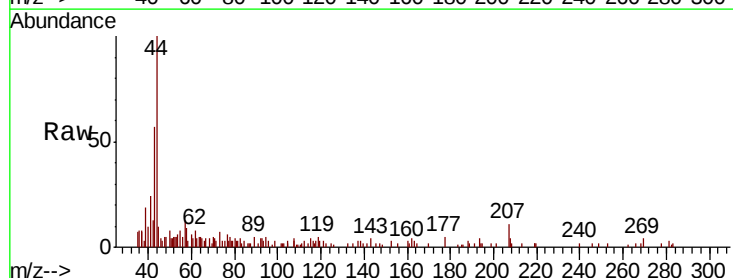
Acq: 20 Aug 2020 03:52

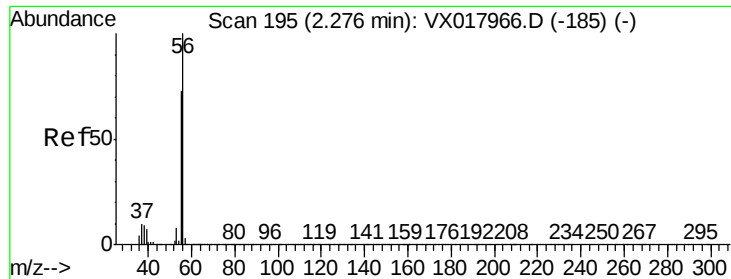
Tgt Ion: 62 Resp: 599

Ion Ratio Lower Upper

62 100

64 87.9 24.7 37.1#





#13

Acrolein

Concen: 0.299 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

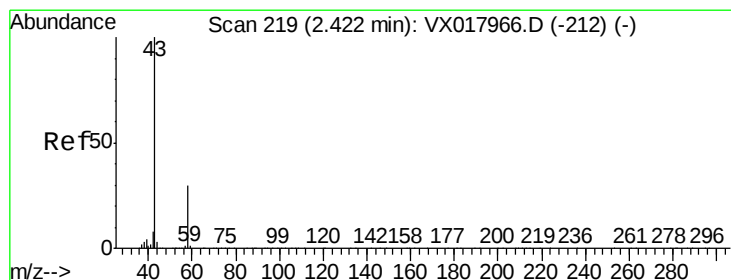
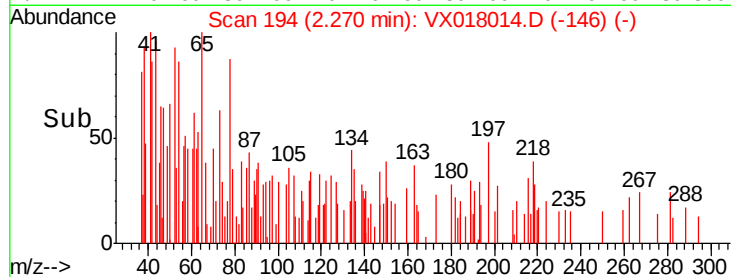
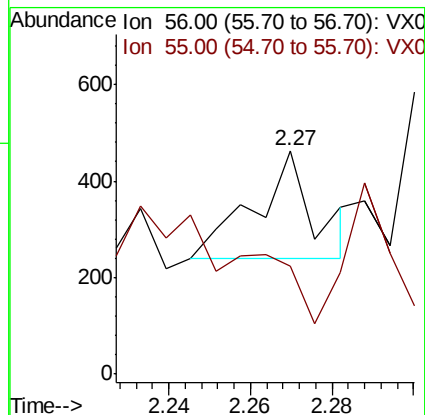
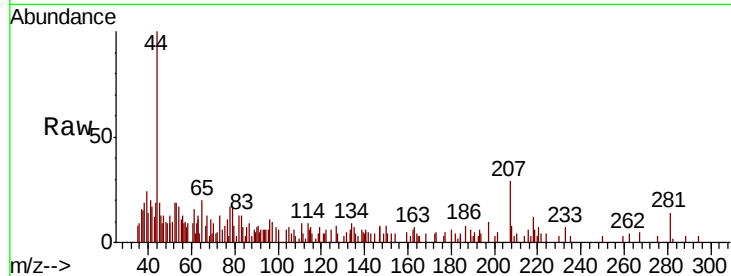
BP-VPB181-GW-438-440

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 92.6 58.2 87.4#



#16

Acetone

Concen: 2.888 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018014.D

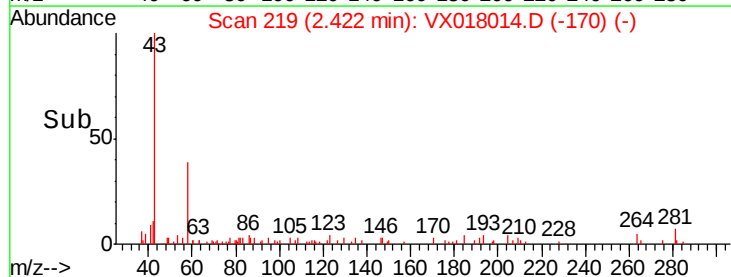
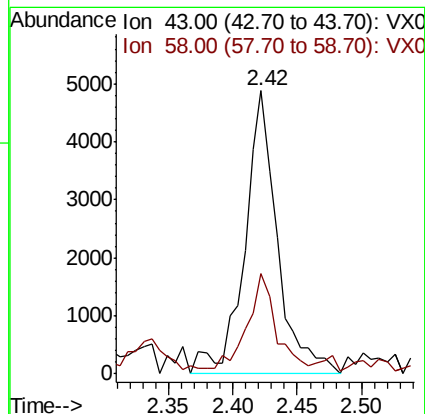
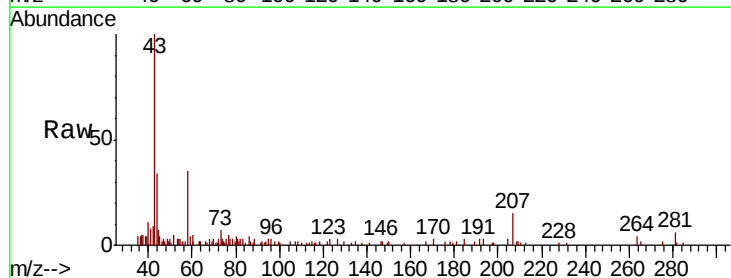
Acq: 20 Aug 2020 03:52

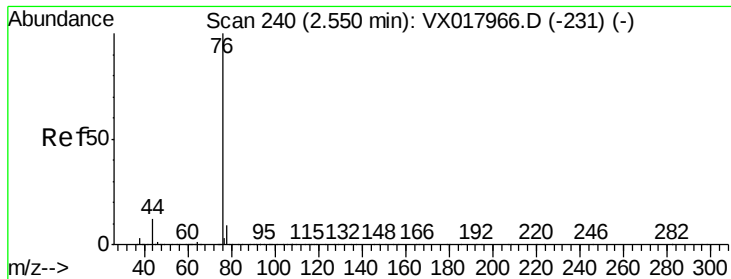
Tgt Ion: 43 Resp: 8519

Ion Ratio Lower Upper

43 100

58 34.3 23.8 35.8

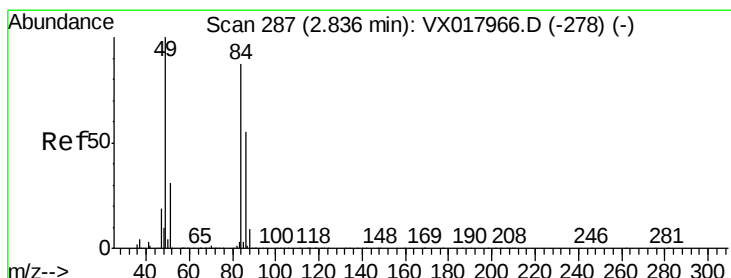
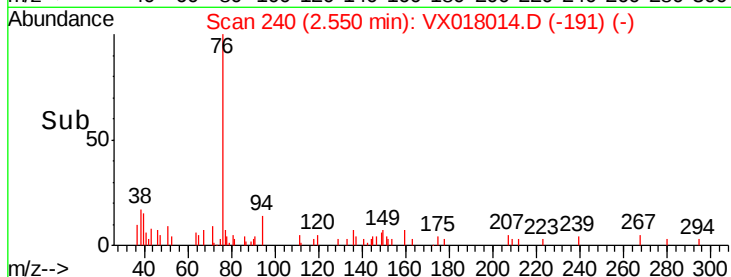
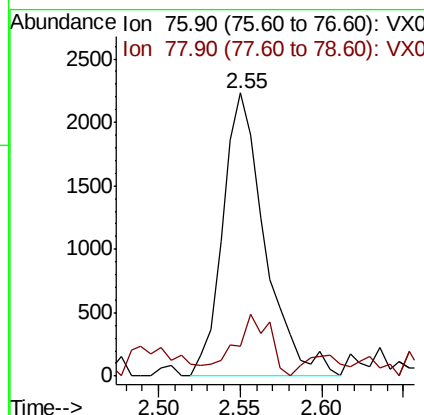
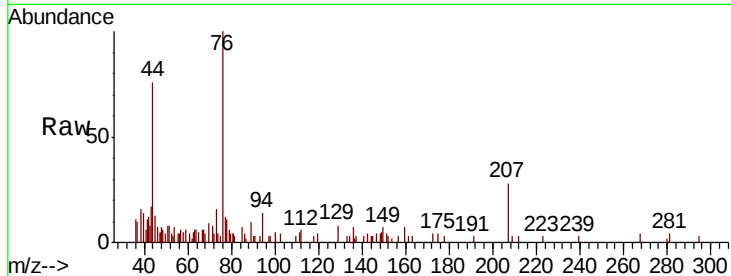




#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018014.D
Acq: 20 Aug 2020 03:52

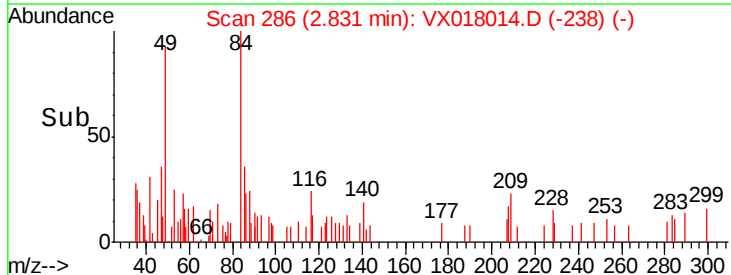
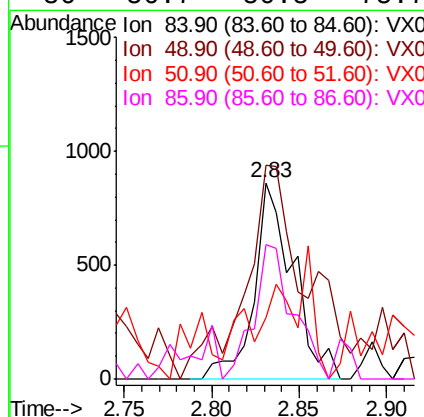
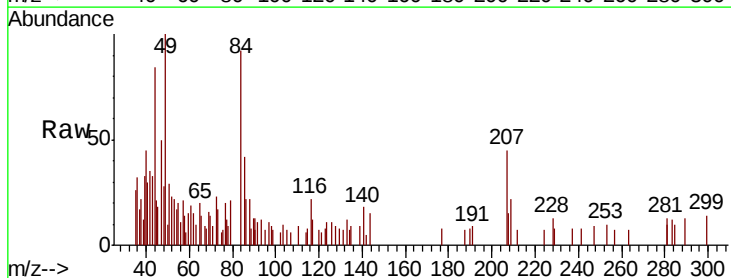
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-438-440

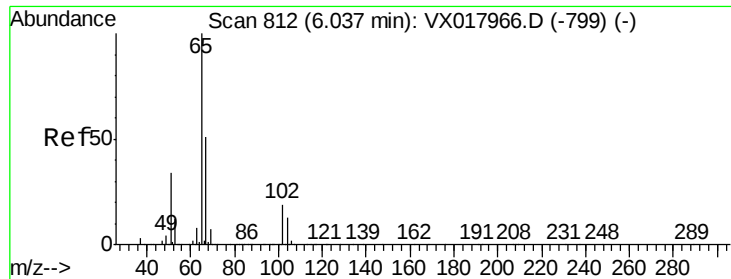
Tot Ion: 76 Resp: 3991
Ion Ratio Lower Upper
76 100
78 6.5 7.3 10.9#



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018014.D
Acq: 20 Aug 2020 03:52

Tgt Ion: 84 Resp: 1341
Ion Ratio Lower Upper
84 100
49 97.1 91.8 137.6
51 15.3 27.8 41.8#
86 56.7 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 47.080 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

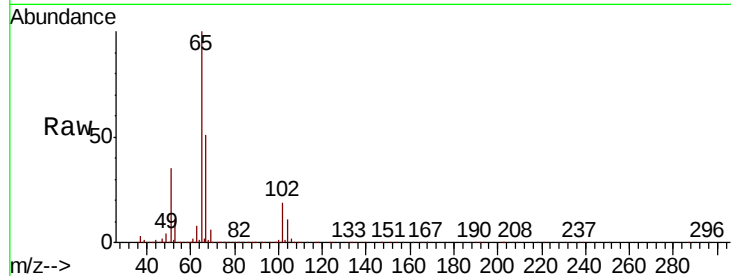
BP-VPB181-GW-438-440

Tot Ion: 65 Resp: 352985

Ion Ratio Lower Upper

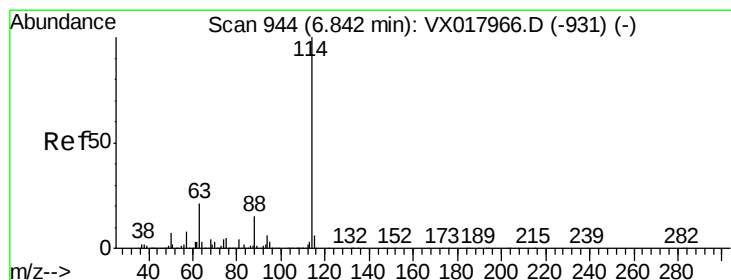
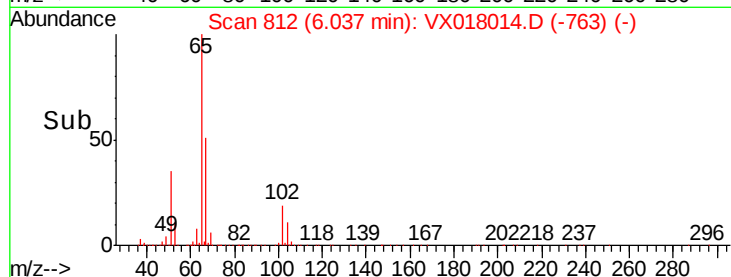
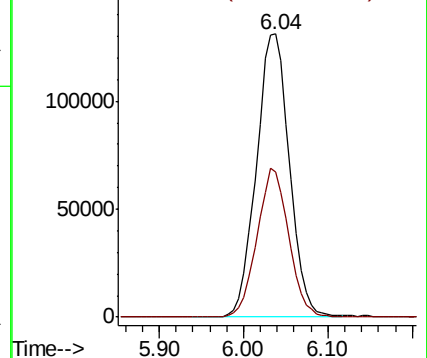
65 100

67 50.7 0.0 103.0



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: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

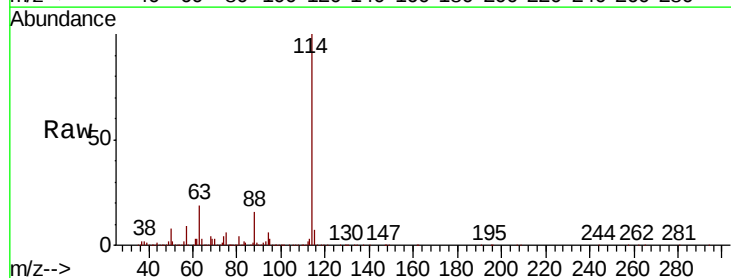
Tgt Ion: 114 Resp: 800871

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

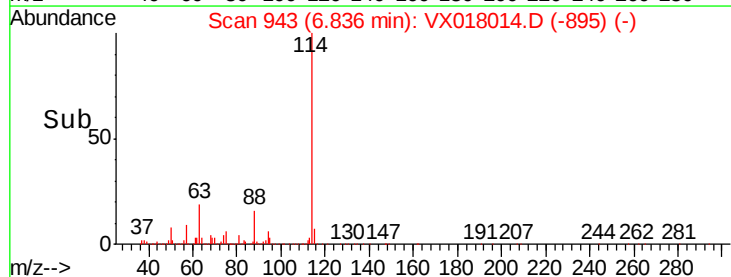
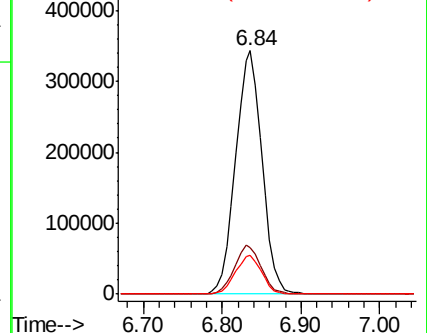
88 16.1 0.0 30.2

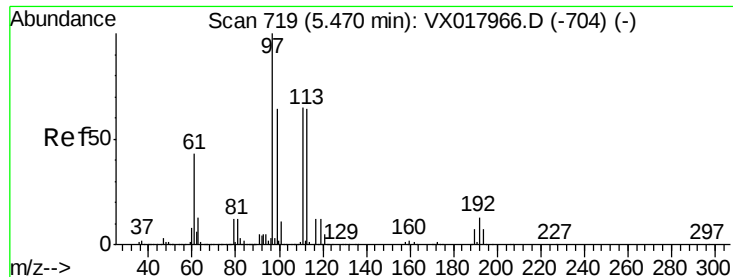


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

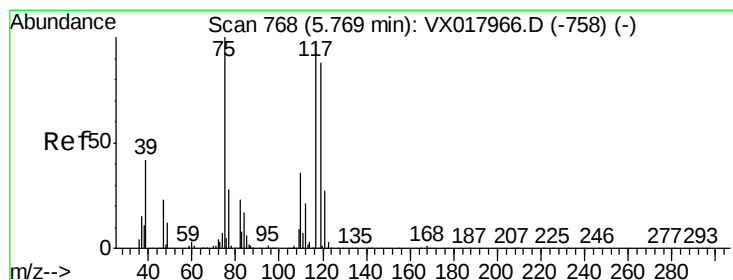
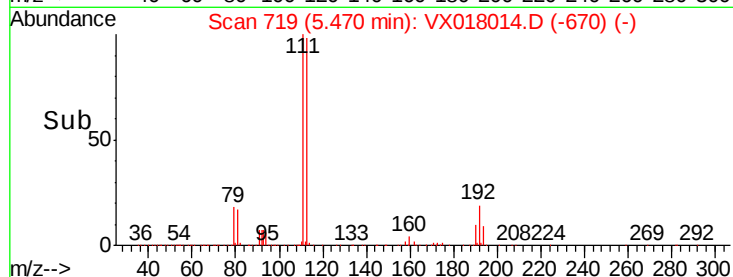
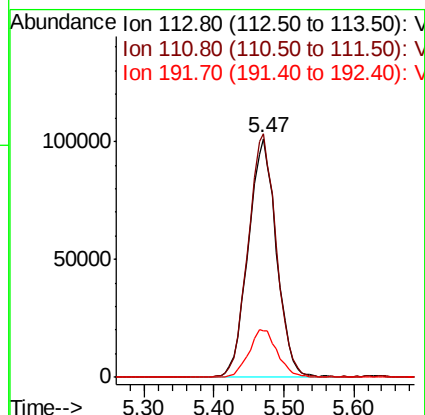
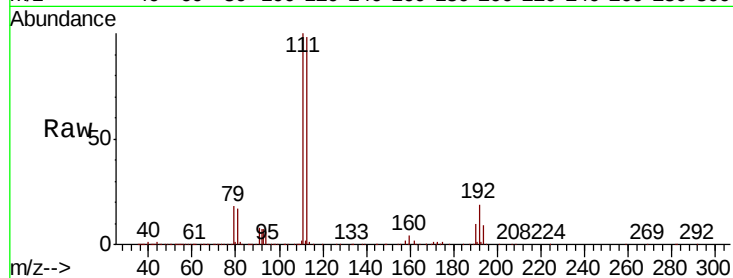




#35
 Dibromofluoromethane
 Concen: 47.337 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX018014.D
 Acq: 20 Aug 2020 03:52

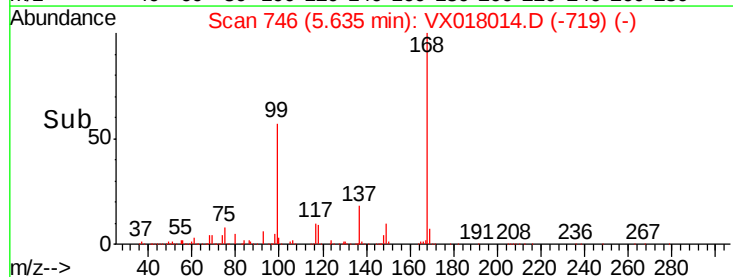
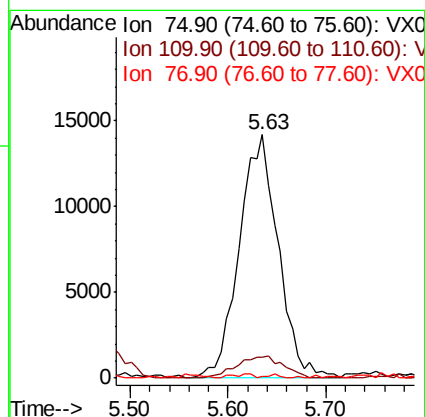
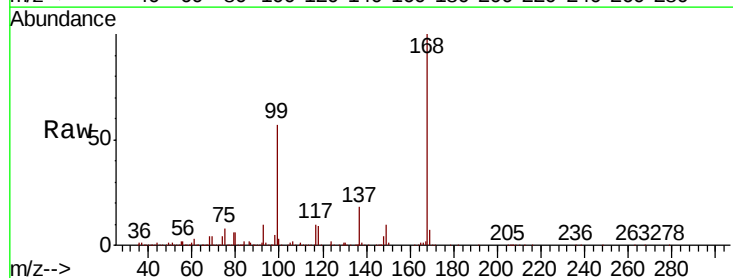
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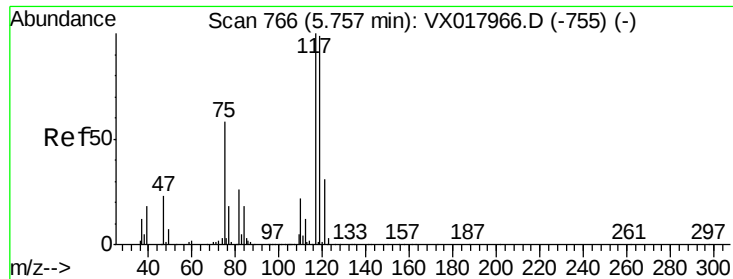
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.5	125.3
192	20.1	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 5.856 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018014.D
 Acq: 20 Aug 2020 03:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.7	56.1#
77	0.5	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.048 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-438-440

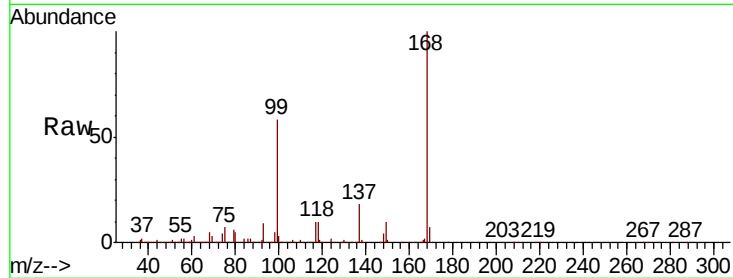
Tot Ion:117 Resp: 52468

Ion Ratio Lower Upper

117 100

119 6.8 79.0 118.6#

121 0.0 24.7 37.1#

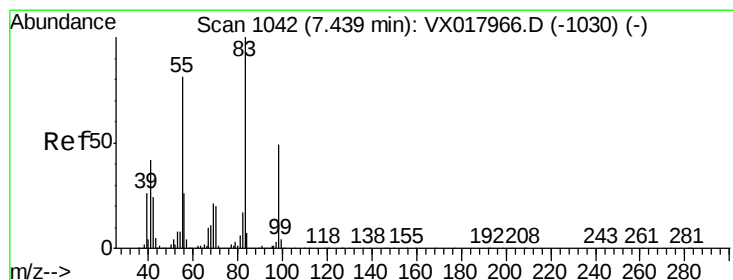
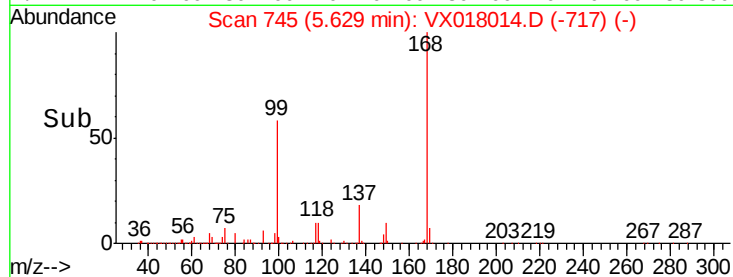
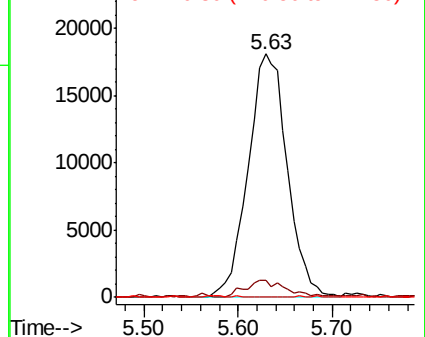


Abundance

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



#39

Methylcyclohexane

Concen: 0.848 ug/l

RT: 7.33 min Scan# 1024

Delta R.T. -0.11 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

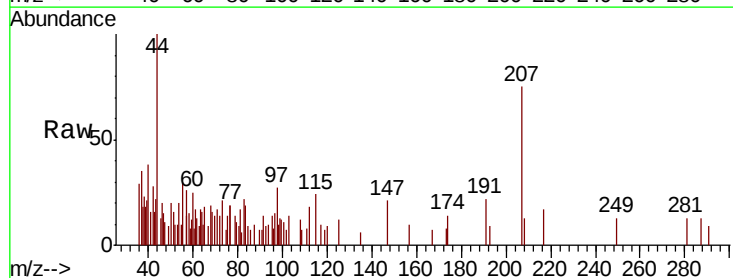
Tgt Ion: 83 Resp: 307

Ion Ratio Lower Upper

83 100

55 72.6 64.5 96.7

98 55.1 39.0 58.6

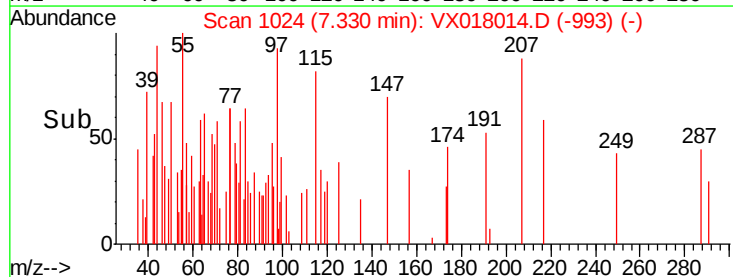
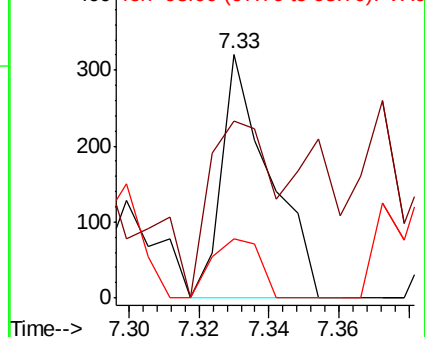


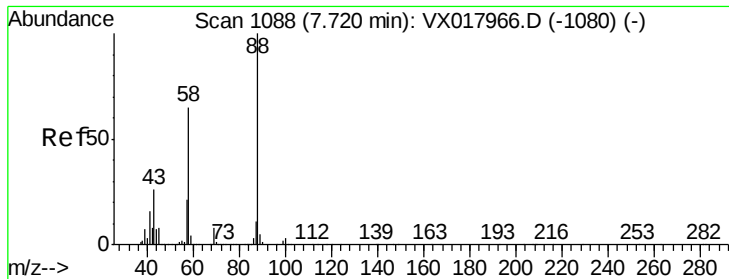
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 0.982 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-438-440

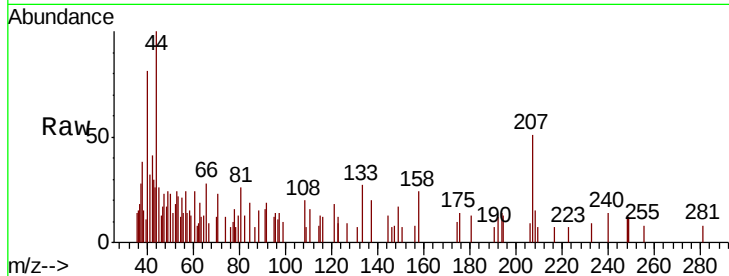
Tot Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 851.9 27.3 40.9#

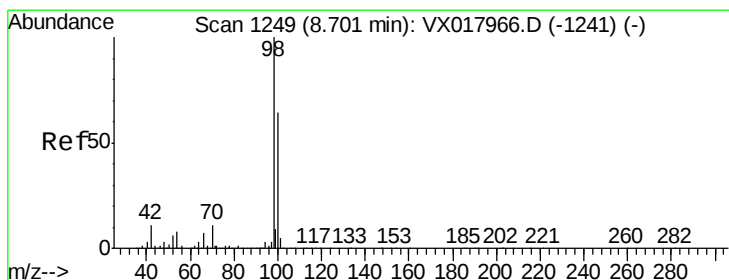
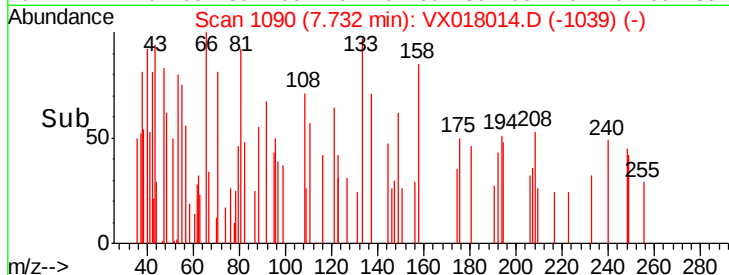
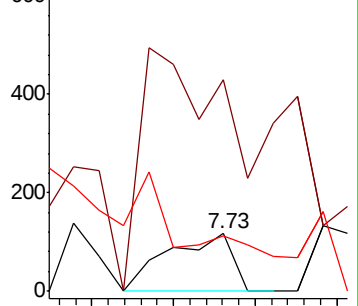
58 0.0 57.7 86.5#



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: 45.769 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018014.D

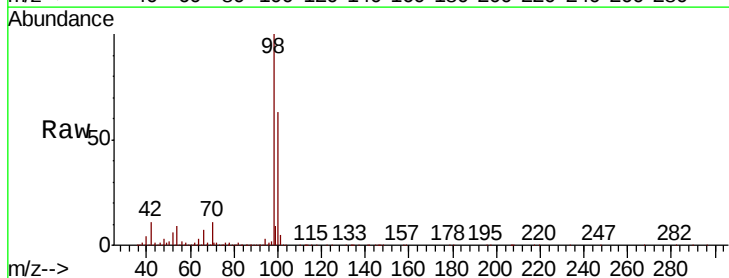
Acq: 20 Aug 2020 03:52

Tgt Ion: 98 Resp: 964865

Ion Ratio Lower Upper

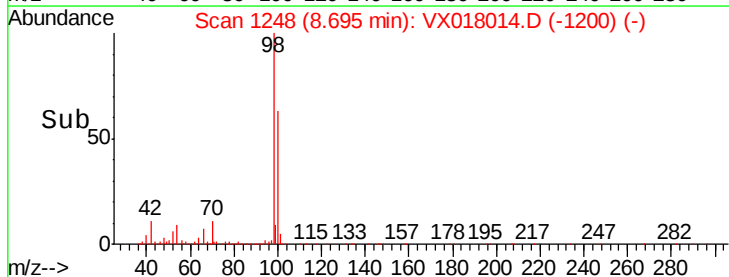
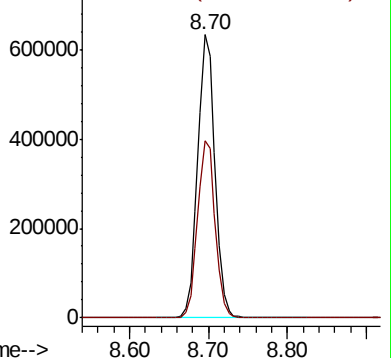
98 100

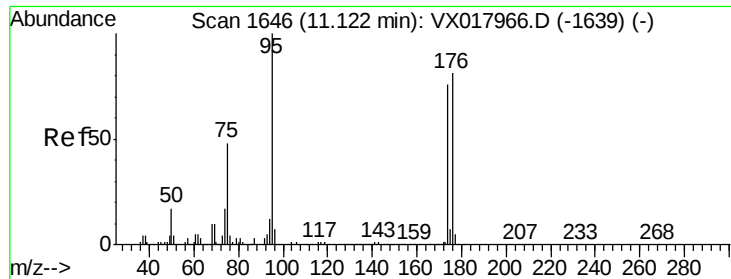
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.510 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-438-440

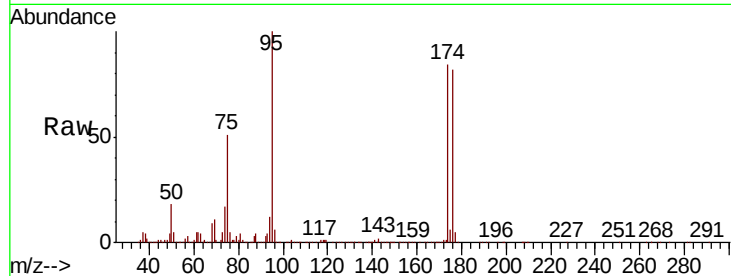
Tot Ion: 95 Resp: 354345

Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.0

176 77.9 0.0 161.0

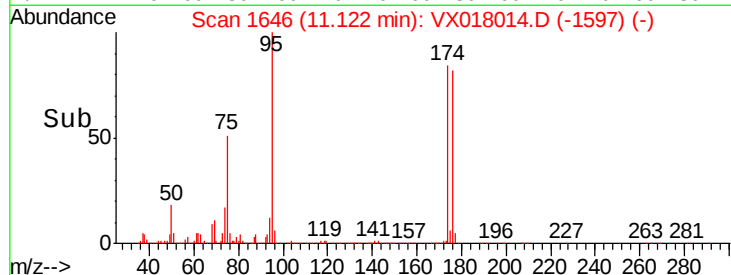


Abundance Ion 94.90 (94.60 to 95.60): VX017966.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017966.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017966.D (-1639) (-)

Time-->

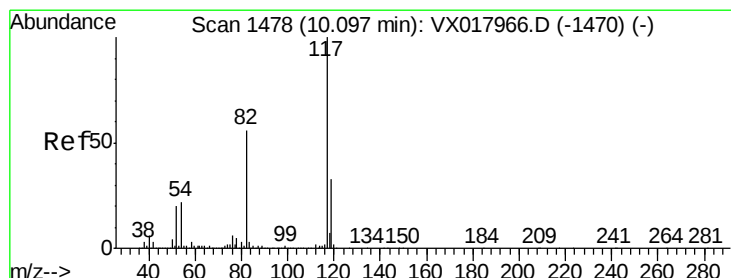


Abundance Ion 94.90 (94.60 to 95.60): VX018014.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018014.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018014.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

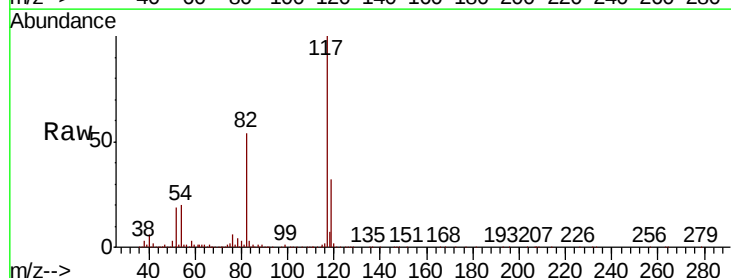
Tgt Ion: 117 Resp: 747344

Ion Ratio Lower Upper

117 100

82 54.4 44.6 66.8

119 32.3 26.2 39.4

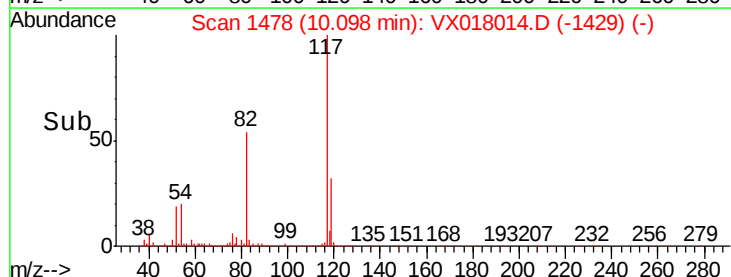


Abundance Ion 116.90 (116.60 to 117.60): VX017966.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX017966.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX017966.D (-1470) (-)

Time-->

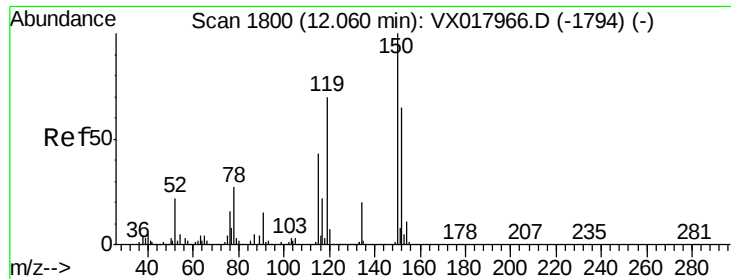


Abundance Ion 116.90 (116.60 to 117.60): VX018014.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018014.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018014.D (-1429) (-)

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: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-438-440

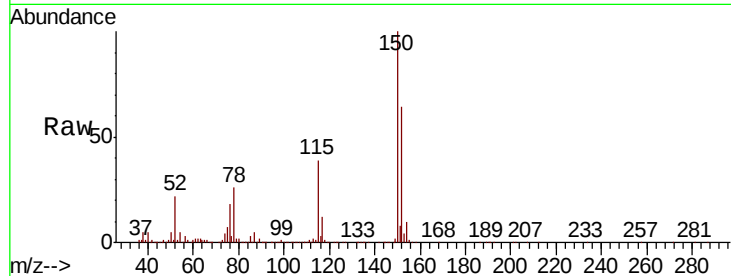
Tot Ion:152 Resp: 373106

Ion Ratio Lower Upper

152 100

115 57.7 40.6 121.7

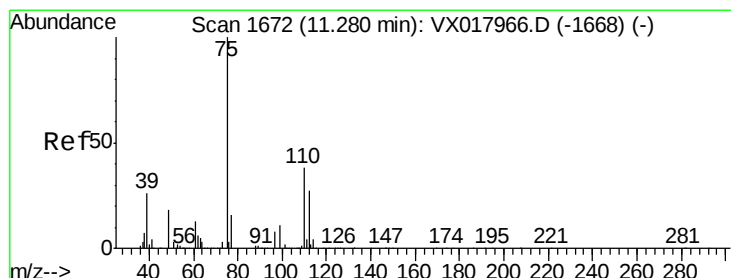
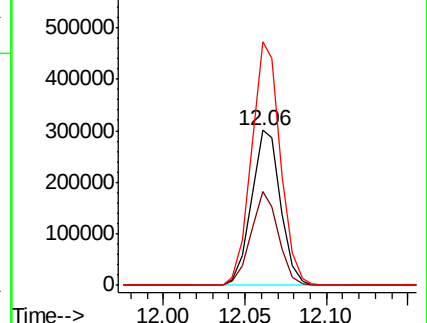
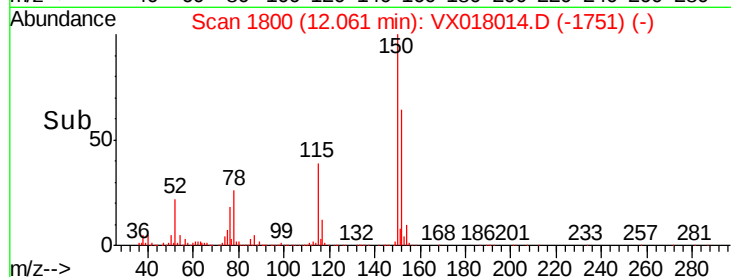
150 156.1 0.0 346.4



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: 22.646 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018014.D

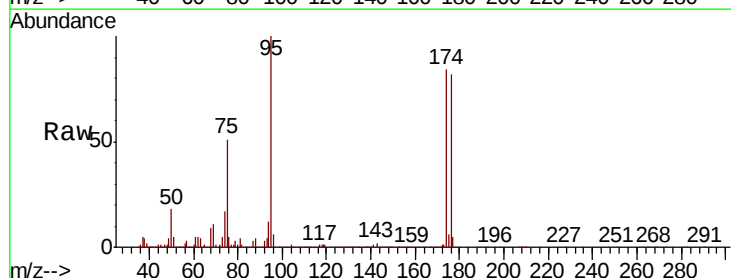
Acq: 20 Aug 2020 03:52

Tgt Ion: 75 Resp: 179687

Ion Ratio Lower Upper

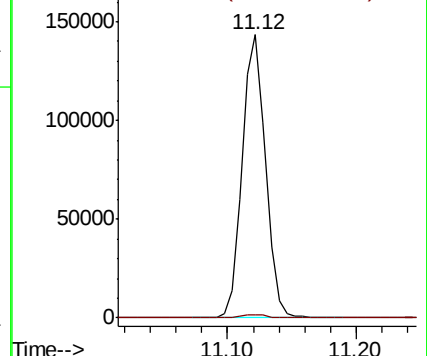
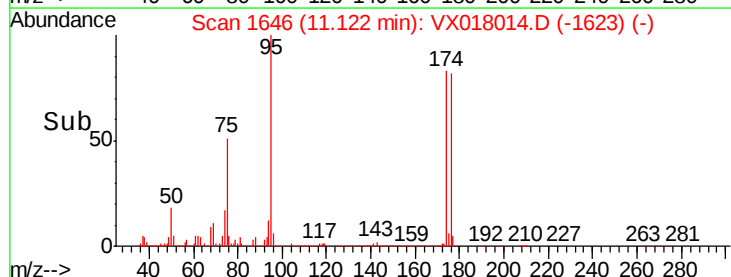
75 100

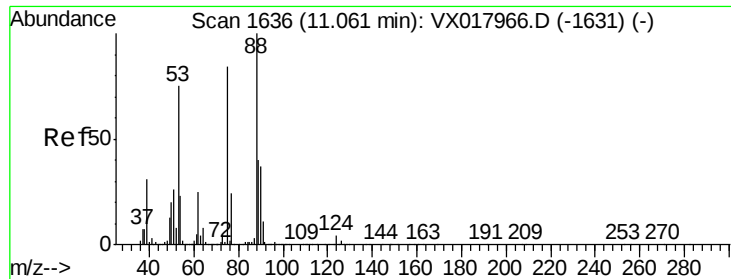
77 1.5 21.1 63.1#



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: 59.493 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-438-440

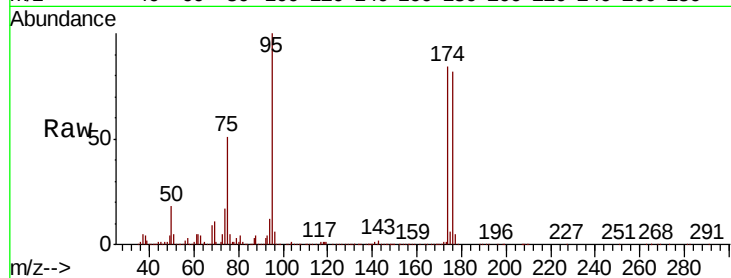
Tot Ion: 75 Resp: 179687

Ion Ratio Lower Upper

75 100

53 0.3 75.2 112.8#

89 0.2 38.4 57.6#



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

