

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072420\
 Data File : VX017539.D
 Acq On : 24 Jul 2020 13:51
 Operator : JC/SP
 Sample : L3370-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-GW

Quant Time: Jul 25 01:49:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	470589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	745327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	847954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	449360	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	315014	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	5.46	113	256693	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	8.70	98	994989	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	
62) 4-Bromofluorobenzene	11.12	95	402326	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	

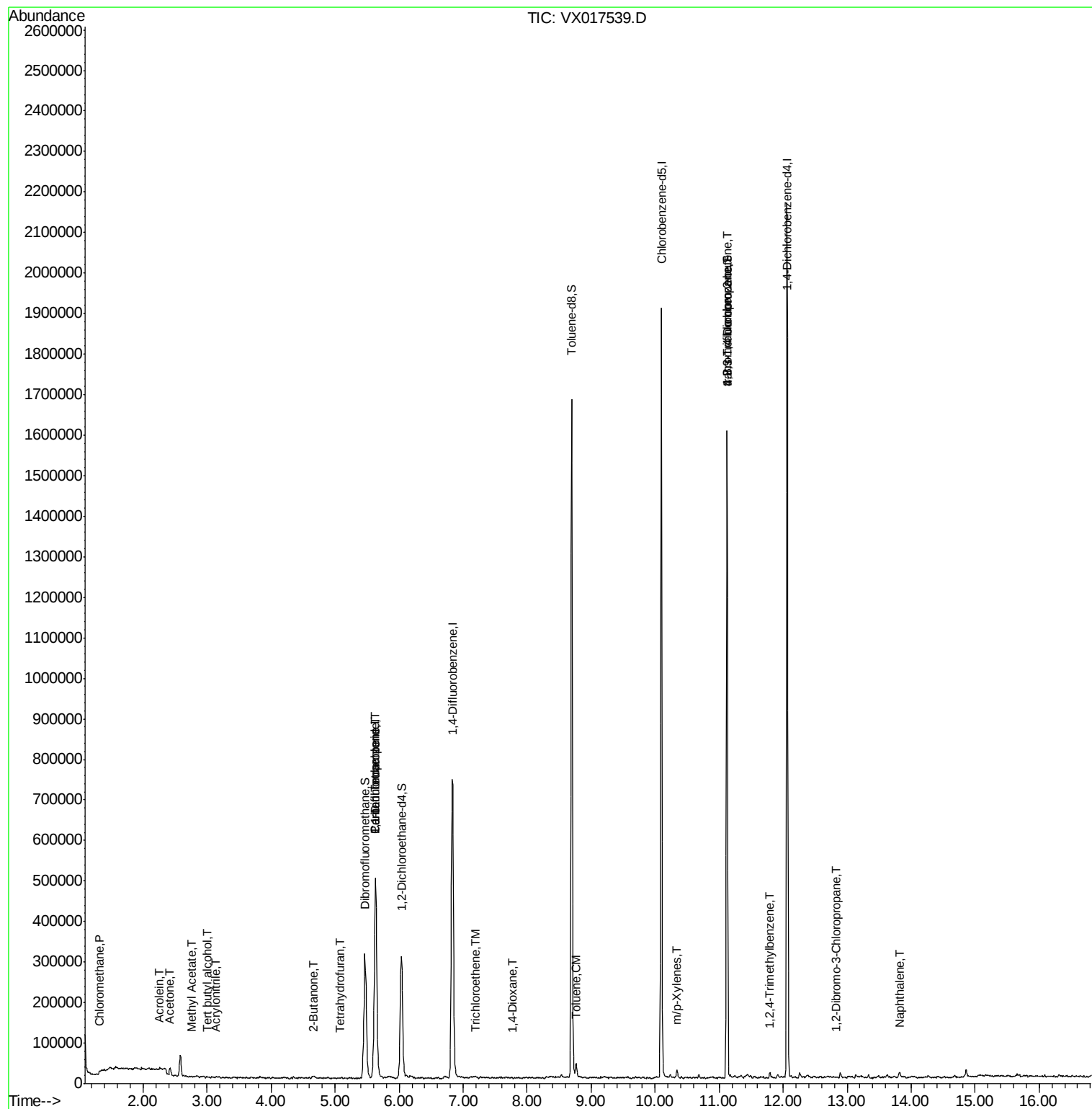
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	337	Below Cal	#	1
3) Chloromethane	1.32	50	1758	0.667	ug/l	93
5) Bromomethane	1.61	94	473	Below Cal	#	38
6) Chloroethane	1.72	64	449	Below Cal	#	50
8) Diethyl Ether	2.24	74	167	Below Cal		57
11) Tert butyl alcohol	3.01	59	1074	0.843	ug/l #	72
13) Acrolein	2.26	56	913	5.072	ug/l #	70
15) Acrylonitrile	3.12	53	618	0.225	ug/l #	44
16) Acetone	2.42	43	20864	7.842	ug/l #	84
18) Methyl Acetate	2.75	43	2520	0.402	ug/l #	72
20) Methylene Chloride	2.84	84	2947	Below Cal	#	82
25) 2-Butanone	4.66	43	2275	0.602	ug/l #	52
29) Tetrahydrofuran	5.07	42	629	0.269	ug/l #	78
36) 1,1-Dichloropropene	5.63	75	35054	4.904	ug/l #	53
38) Carbon Tetrachloride	5.63	117	45738	5.269	ug/l #	18
44) Trichloroethene	7.20	130	1292	0.216	ug/l	90
49) 1,4-Dioxane	7.77	88	184	1.500	ug/l #	54
52) Toluene	8.76	92	11272	0.858	ug/l	89
68) m/p-Xylenes	10.34	106	4655	0.392	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	209694	22.685	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	209694	57.162	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	5407	0.207	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	12.83	75	96	2.610	ug/l	85
95) Naphthalene	13.82	128	6899	0.232	ug/l #	84

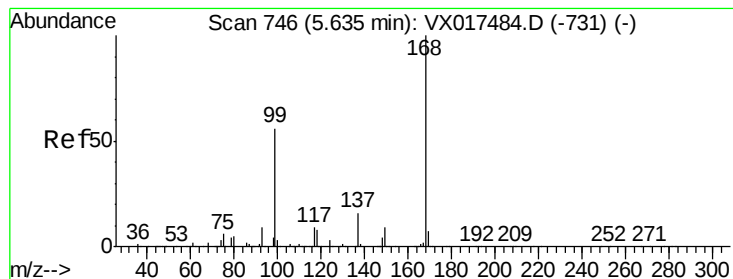
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

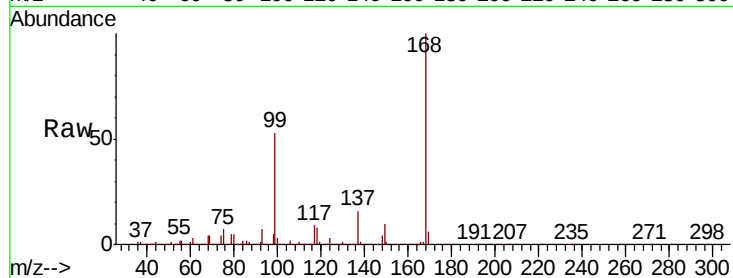
TP-3-GW

Tot Ion:168 Resp: 470589

Ion Ratio Lower Upper

168 100

99 53.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

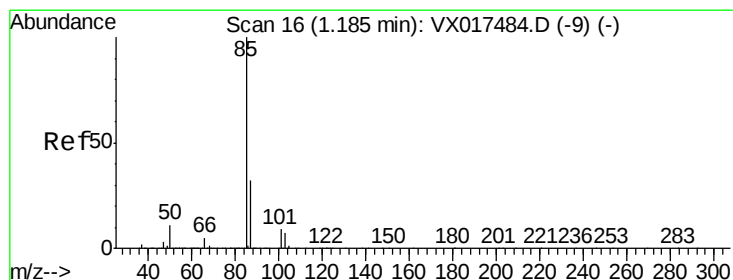
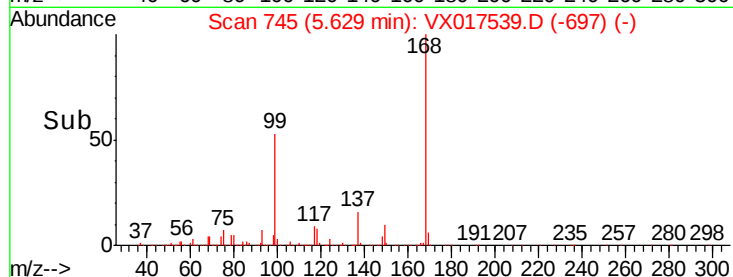
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017539.D

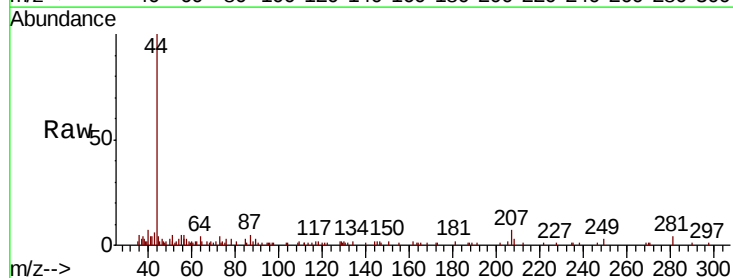
Acq: 24 Jul 2020 13:51

Tgt Ion: 85 Resp: 337

Ion Ratio Lower Upper

85 100

87 121.6 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

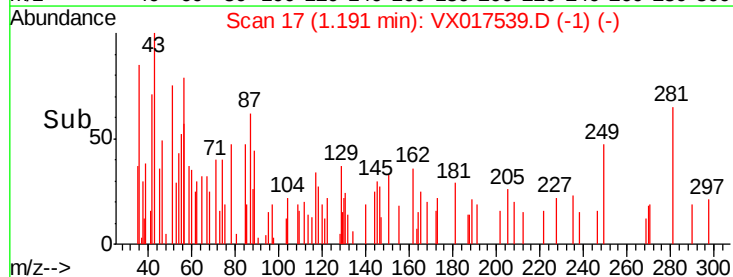
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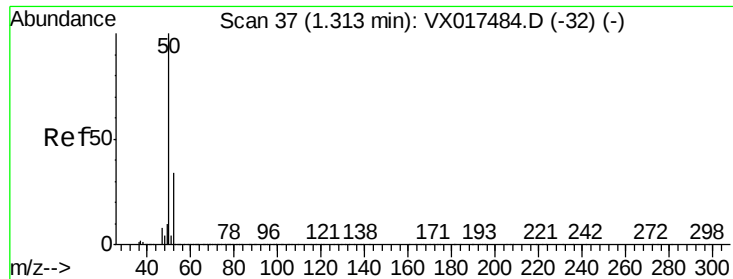
200

100

0

Time-->





#3

Chloromethane

Concen: 0.667 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

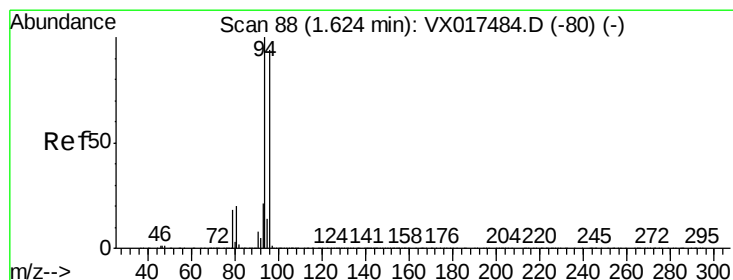
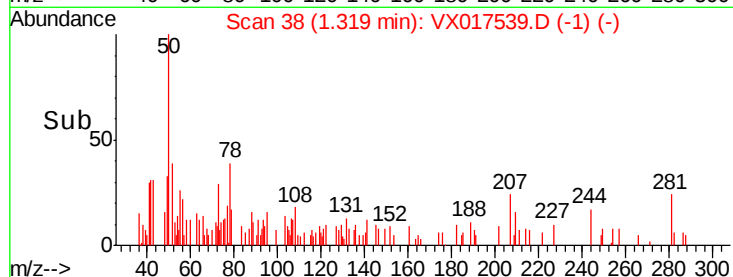
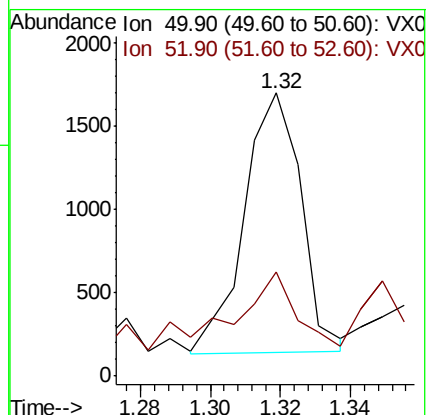
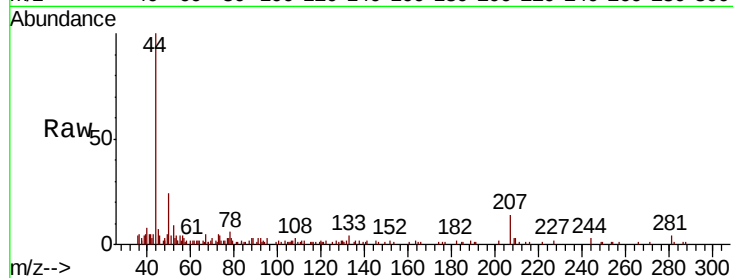
TP-3-GW

Tot Ion: 50 Resp: 1758

Ion Ratio Lower Upper

50 100

52 28.4 25.9 38.9



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017539.D

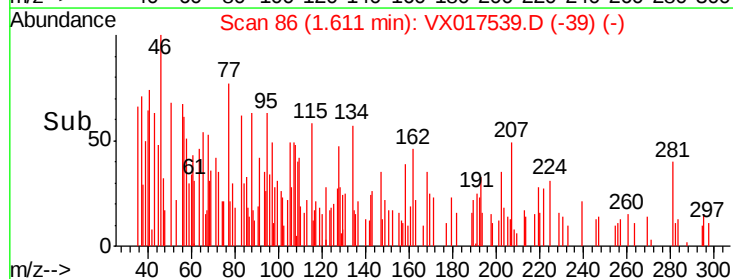
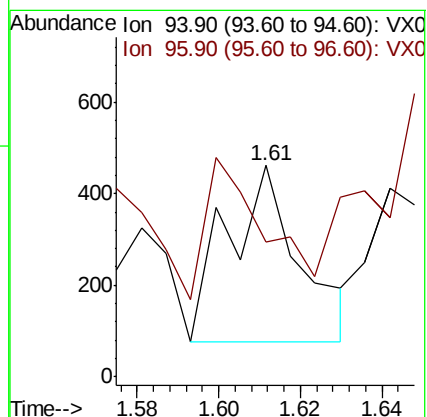
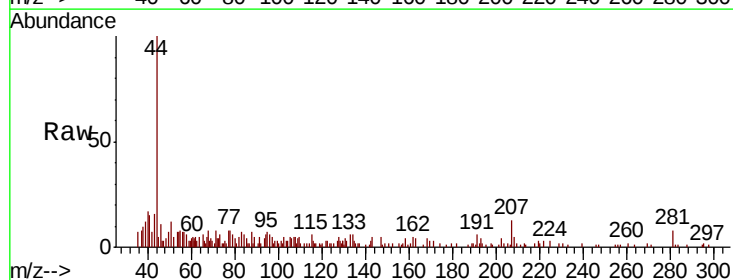
Acq: 24 Jul 2020 13:51

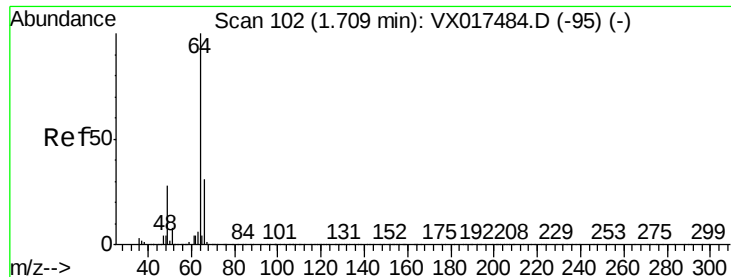
Tgt Ion: 94 Resp: 473

Ion Ratio Lower Upper

94 100

96 32.9 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

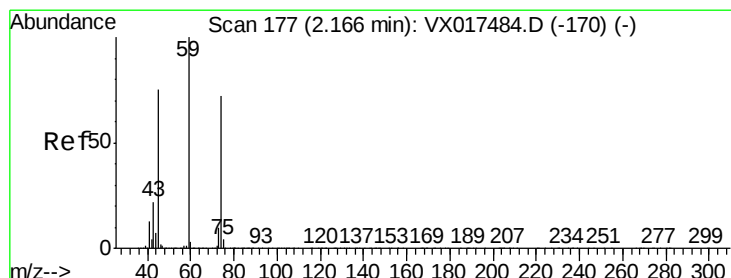
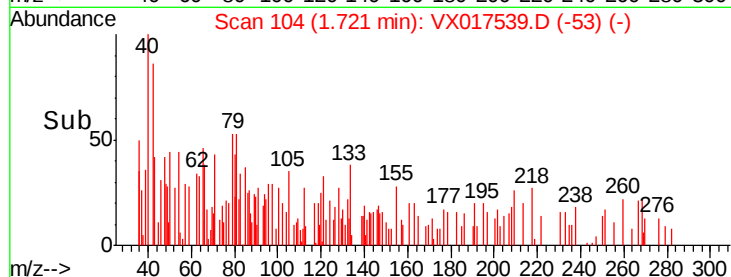
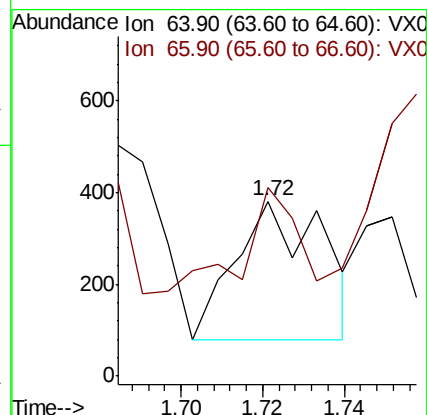
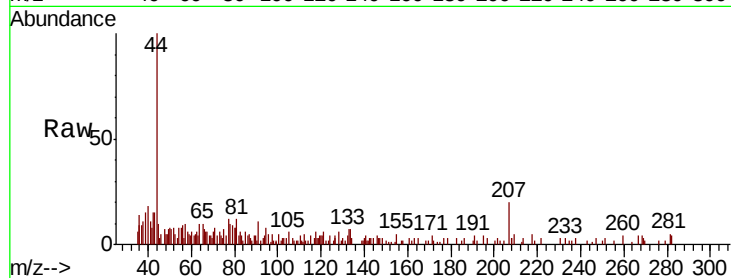
TP-3-GW

Tot Ion: 64 Resp: 449

Ion Ratio Lower Upper

64 100

66 58.6 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.24 min Scan# 189

Delta R.T. 0.07 min

Lab File: VX017539.D

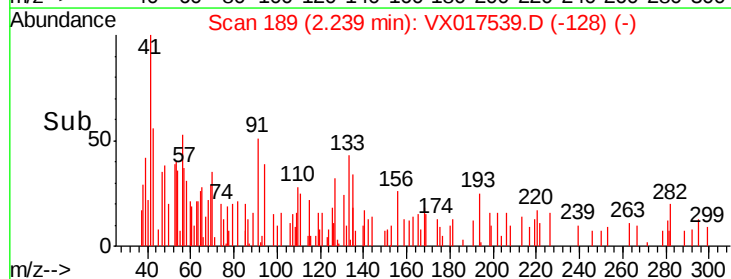
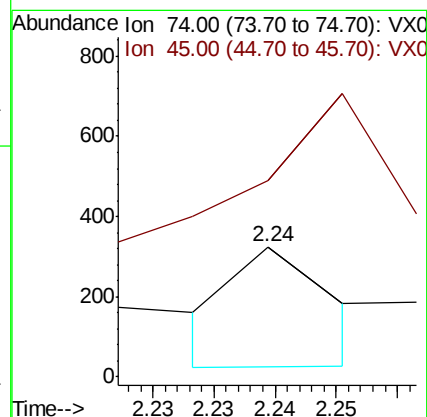
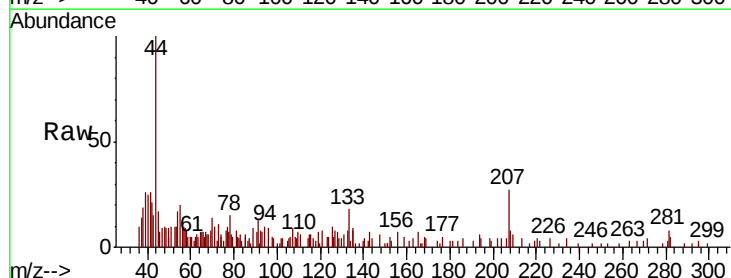
Acq: 24 Jul 2020 13:51

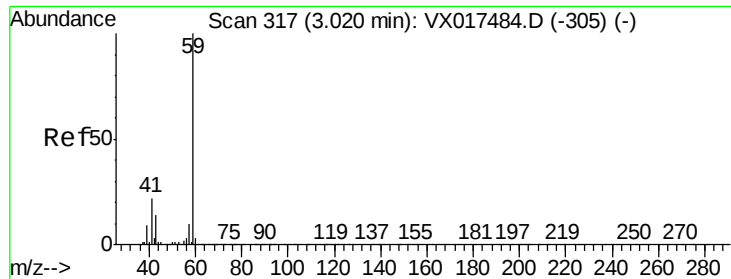
Tgt Ion: 74 Resp: 167

Ion Ratio Lower Upper

74 100

45 145.5 50.8 152.5

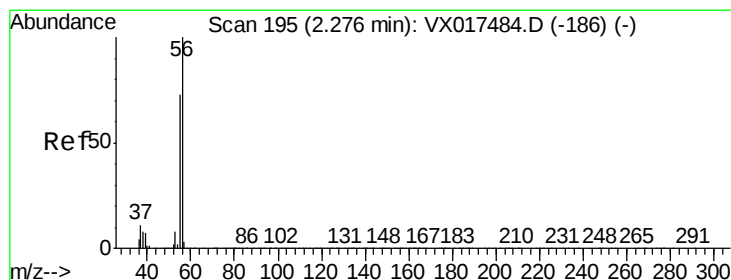
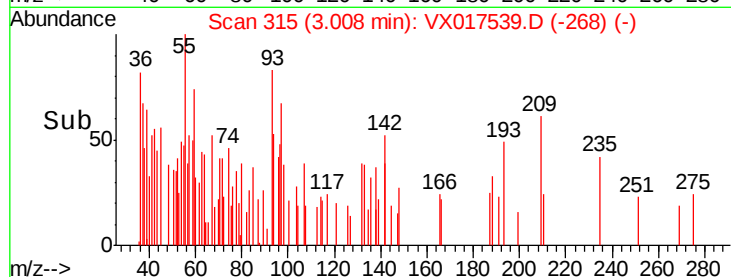
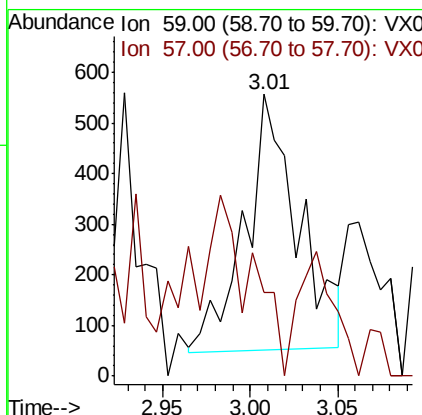
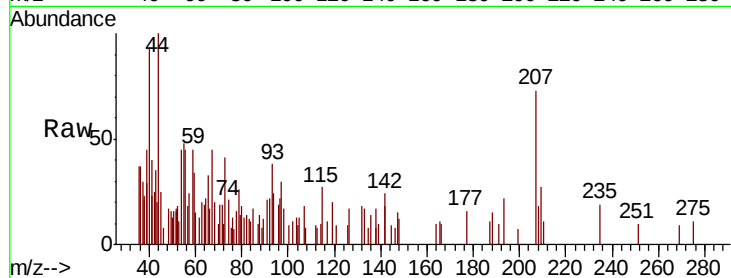




#11
Tert butyl alcohol
Concen: 0.843 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

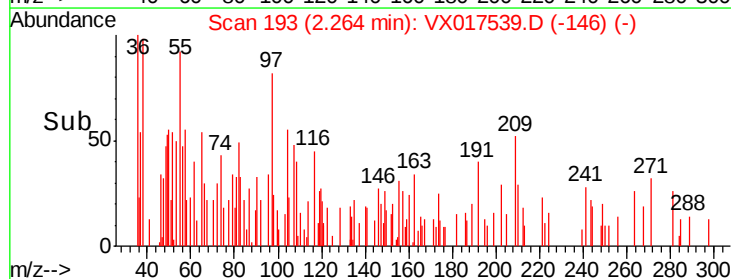
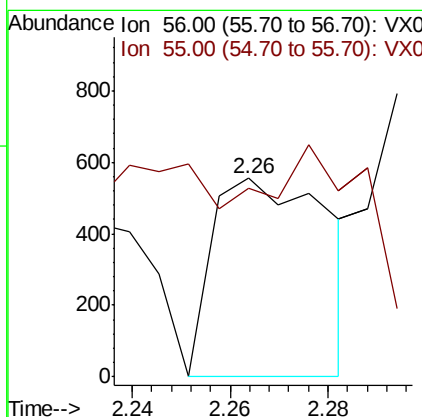
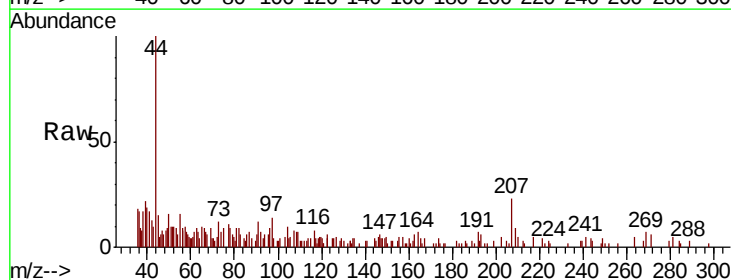
Instrument :
MSVOA_X
ClientSampled :
TP-3-GW

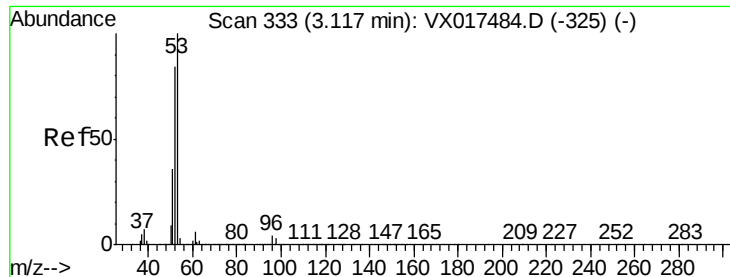
Tot Ion: 59 Resp: 1074
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 5.072 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

Tgt Ion: 56 Resp: 913
Ion Ratio Lower Upper
56 100
55 46.4 57.4 86.2#





#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

TP-3-GW

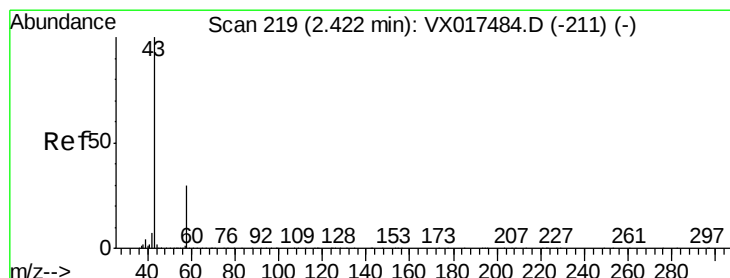
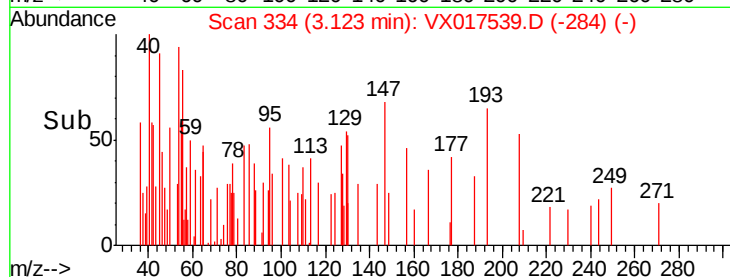
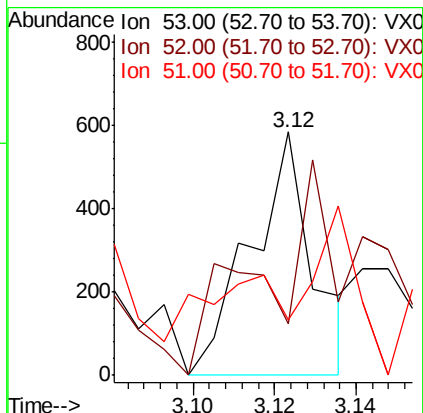
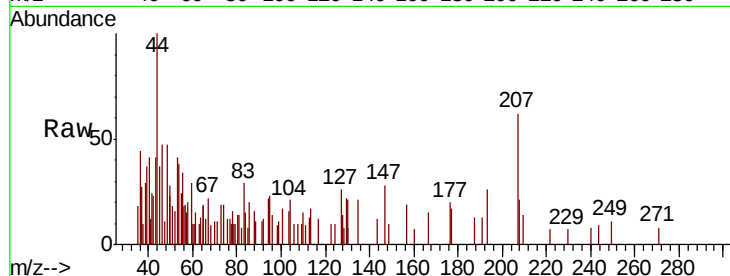
Tot Ion: 53 Resp: 618

Ion Ratio Lower Upper

53 100

52 149.0 66.6 99.8#

51 47.9 29.4 44.2#



#16

Acetone

Concen: 7.842 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017539.D

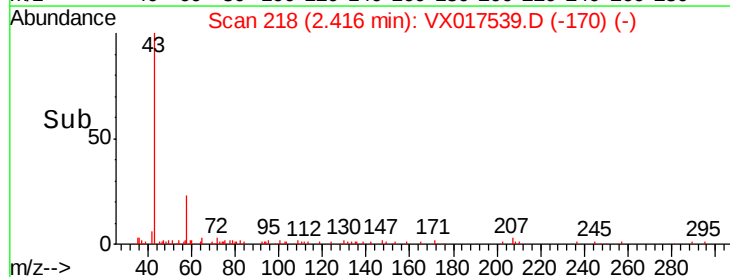
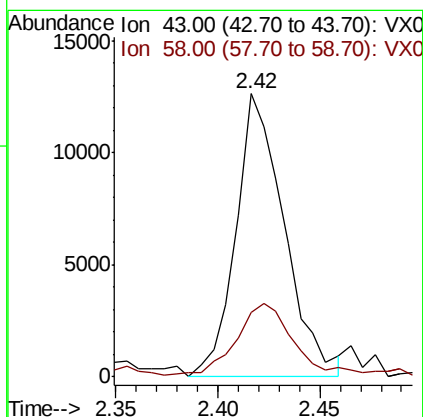
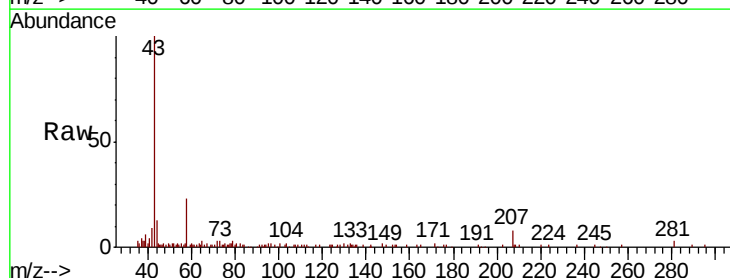
Acq: 24 Jul 2020 13:51

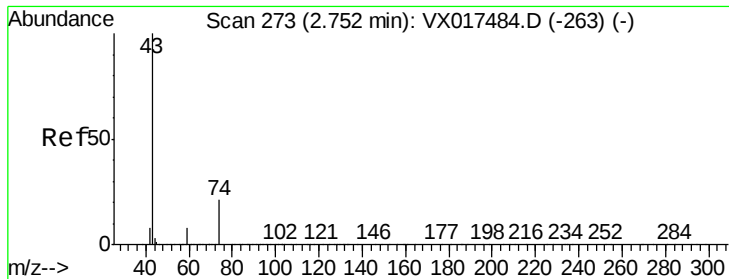
Tgt Ion: 43 Resp: 20864

Ion Ratio Lower Upper

43 100

58 21.3 24.2 36.4#

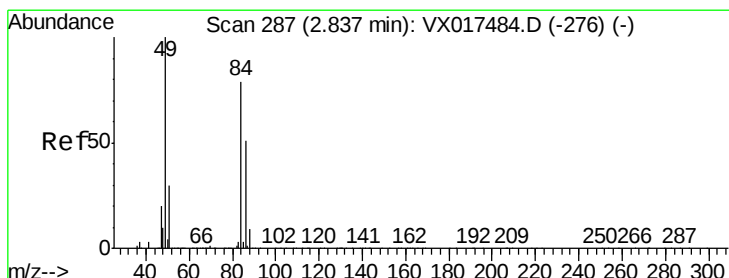
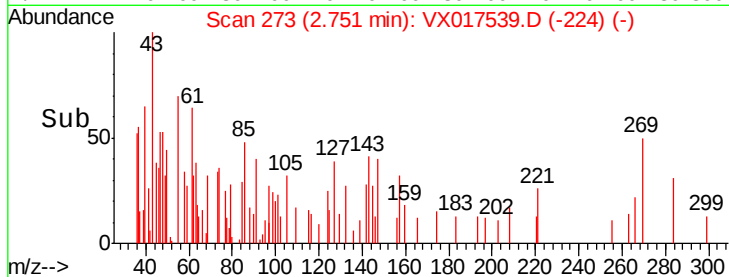
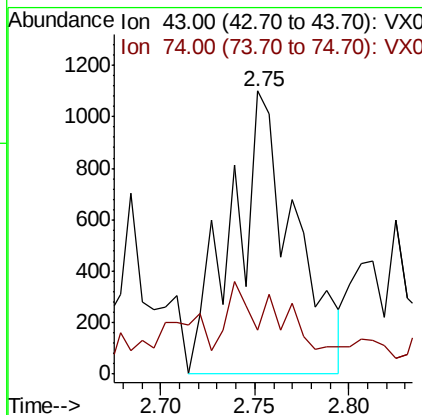
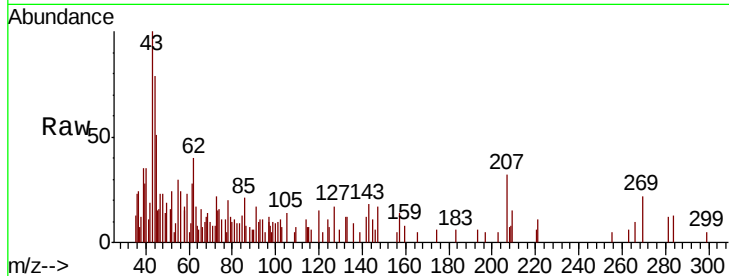




#18
Methyl Acetate
Concen: 0.402 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

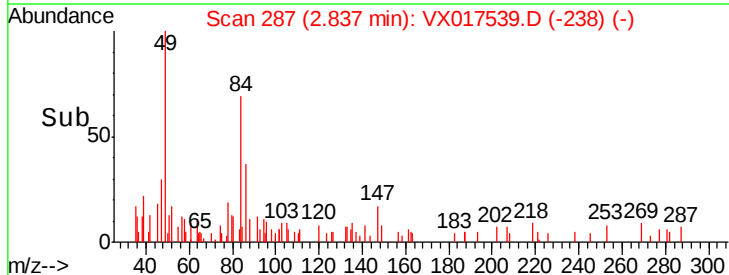
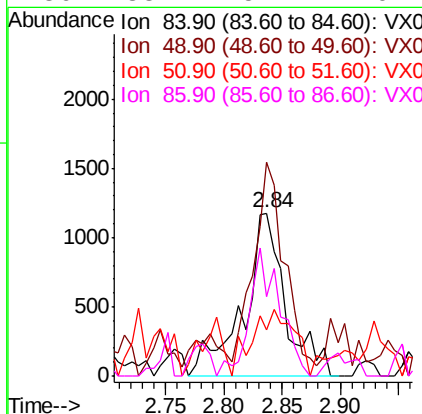
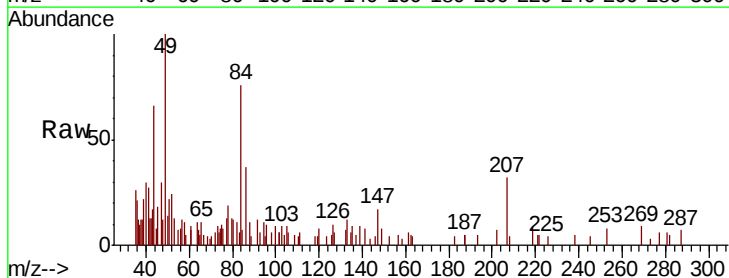
Instrument :
MSVOA_X
ClientSampleId :
TP-3-GW

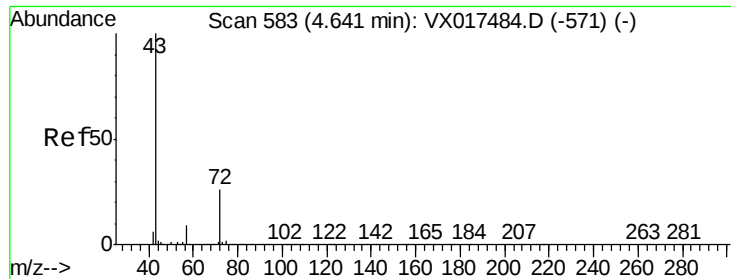
Tot Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
74 8.7 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

Tgt Ion: 84 Resp: 2947
Ion Ratio Lower Upper
84 100
49 115.8 100.3 150.5
51 21.1 30.5 45.7#
86 38.7 51.1 76.7#





#25

2-Butanone

Concen: 0.602 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

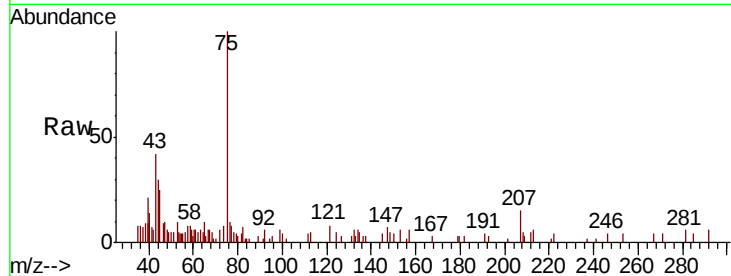
TP-3-GW

Tot Ion: 43 Resp: 2275

Ion Ratio Lower Upper

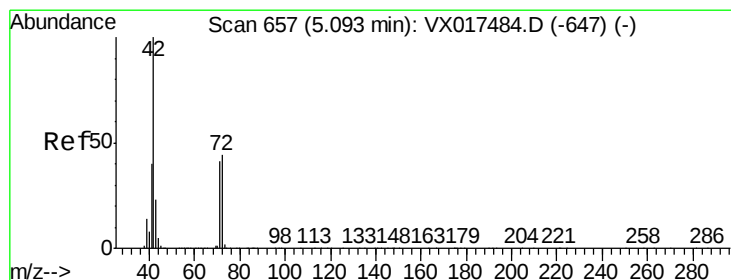
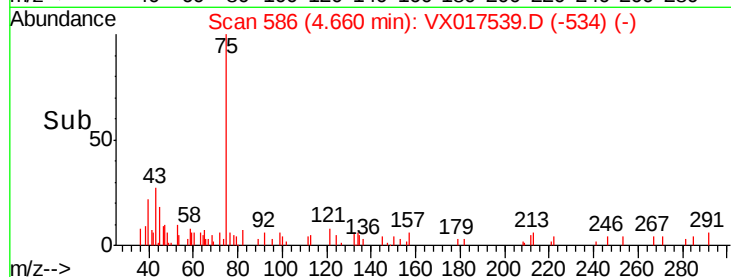
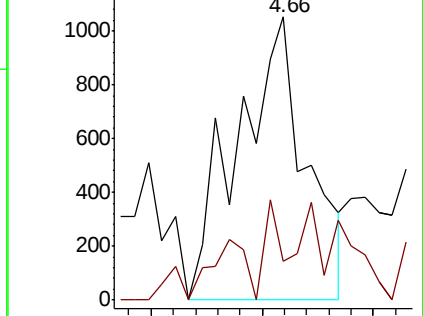
43 100

72 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.269 ug/l

RT: 5.07 min Scan# 654

Delta R.T. -0.02 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

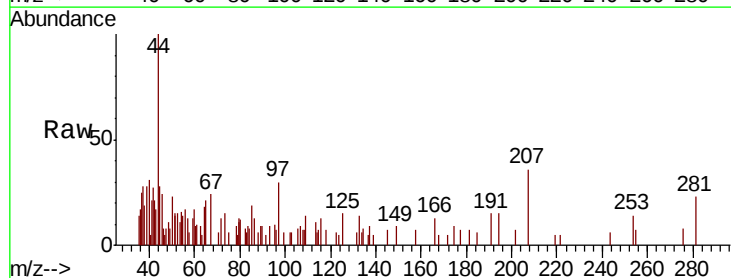
Tgt Ion: 42 Resp: 629

Ion Ratio Lower Upper

42 100

72 69.2 35.5 53.3#

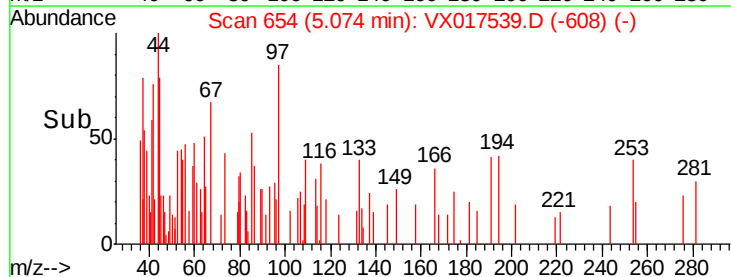
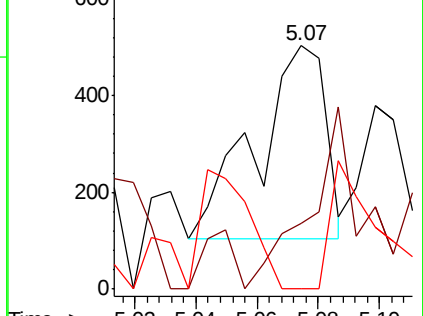
71 43.6 33.0 49.4

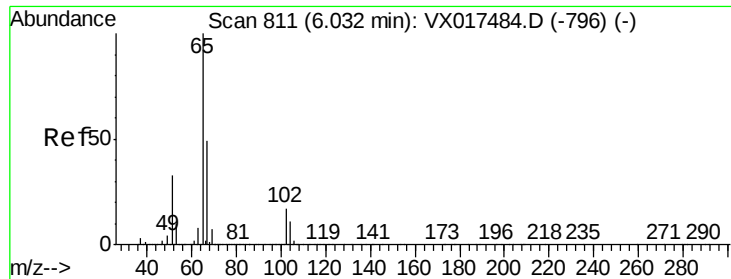


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.112 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

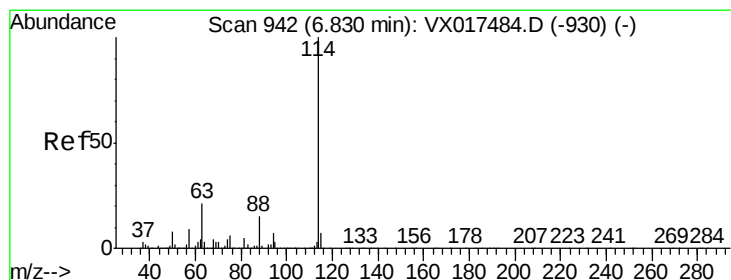
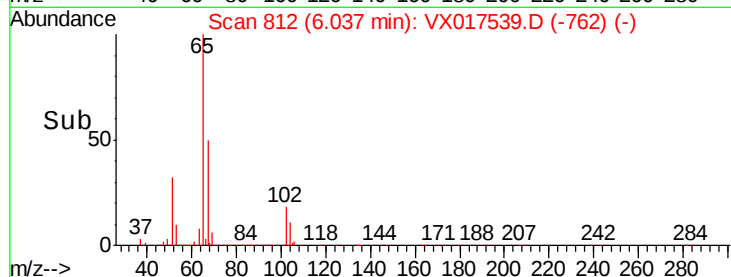
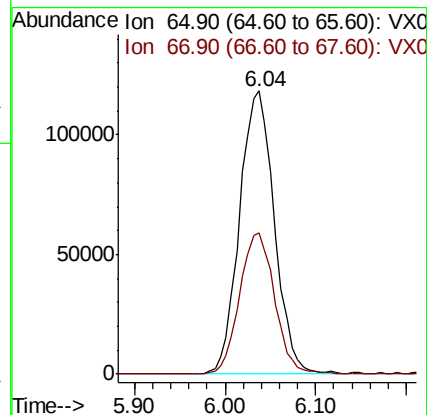
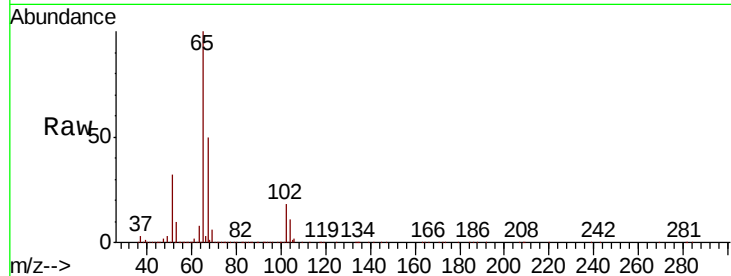
TP-3-GW

Tot Ion: 65 Resp: 315014

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

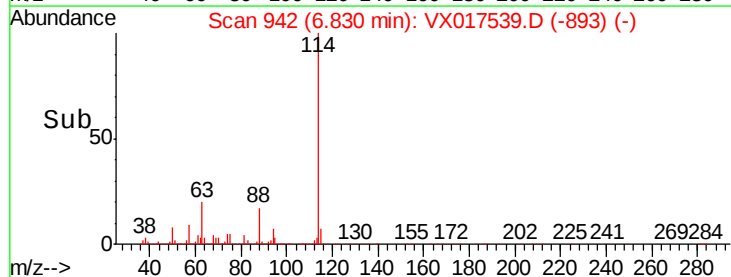
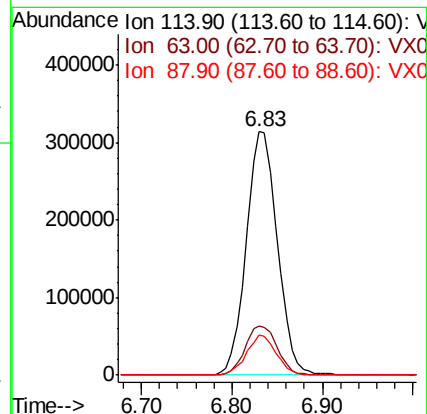
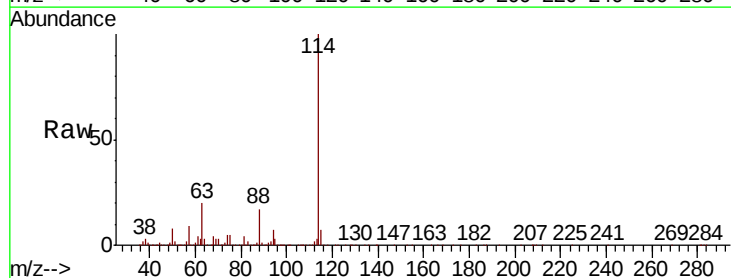
Tgt Ion: 114 Resp: 745327

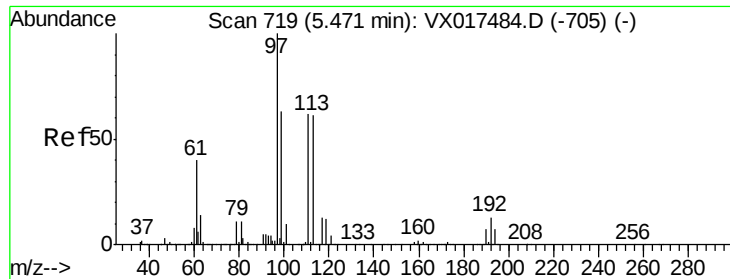
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

88 16.6 0.0 33.4

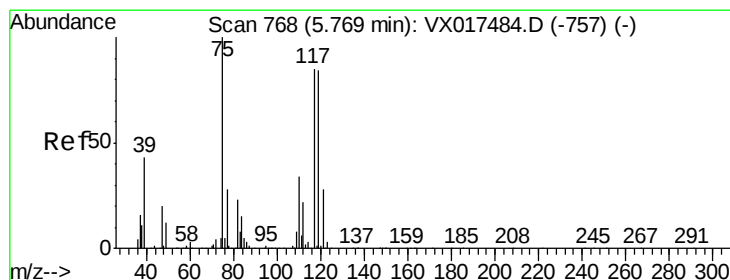
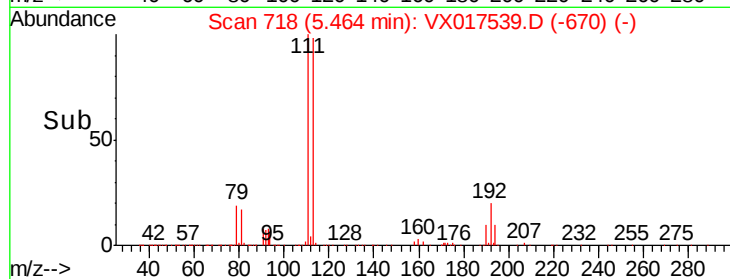
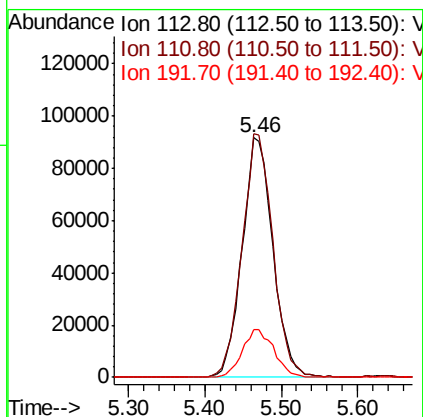
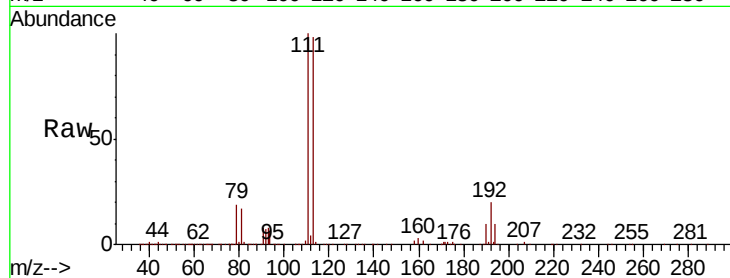




#35
 Dibromofluoromethane
 Concen: 51.495 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017539.D
 Acq: 24 Jul 2020 13:51

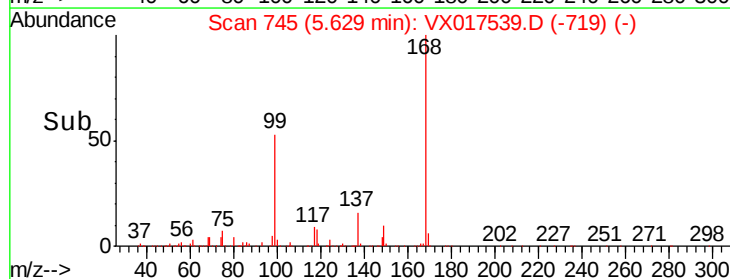
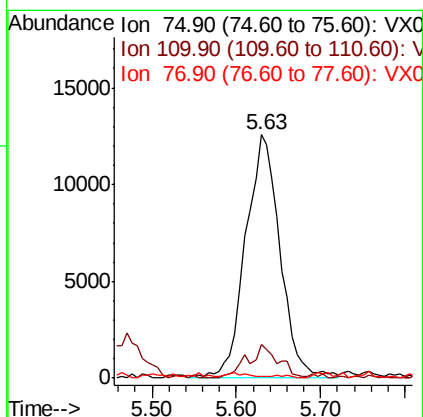
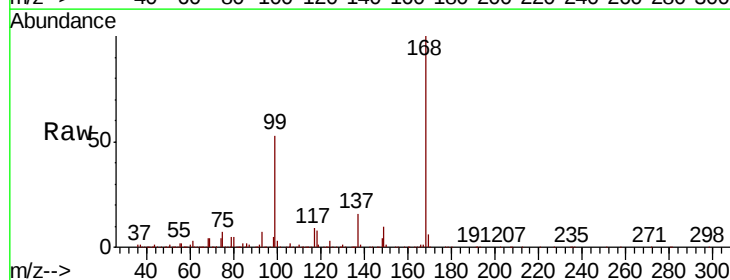
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-GW

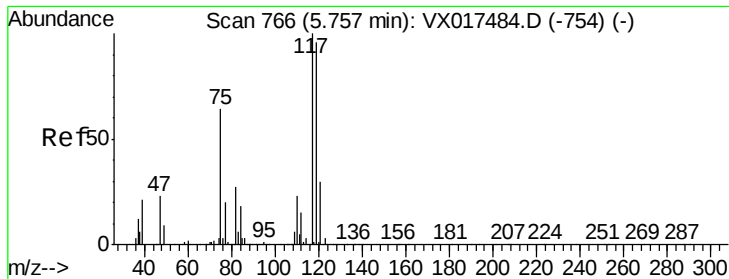
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.7	121.1
192	20.6	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017539.D
 Acq: 24 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.4	18.1	54.3#
77	0.7	24.6	37.0#

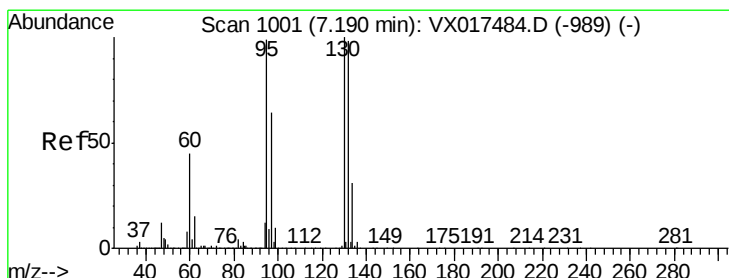
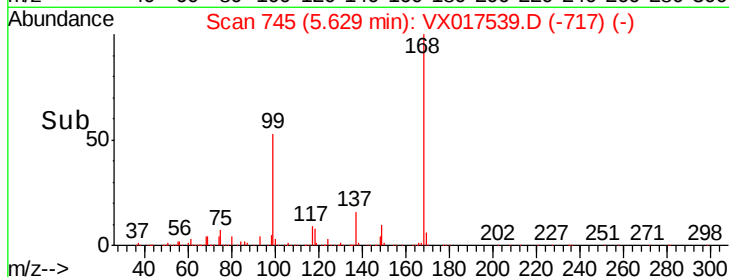
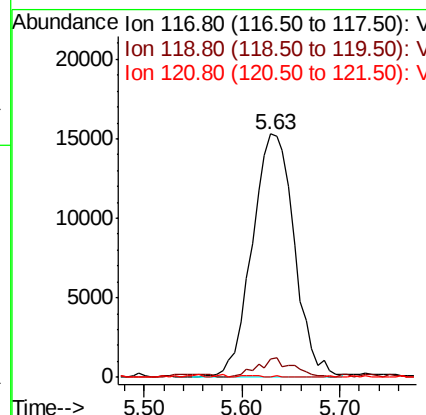
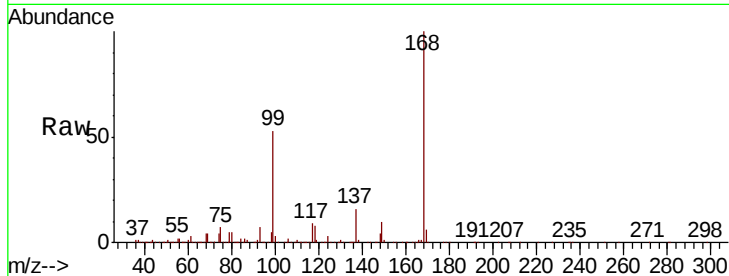




#38
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

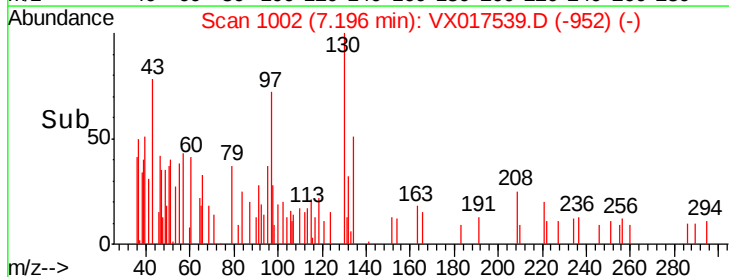
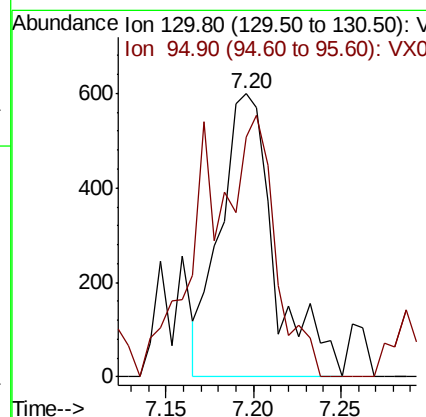
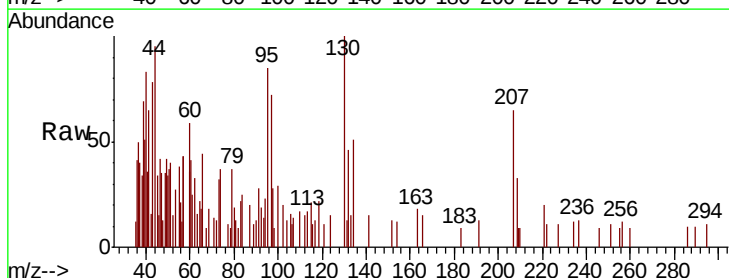
Instrument :
MSVOA_X
ClientSampleId :
TP-3-GW

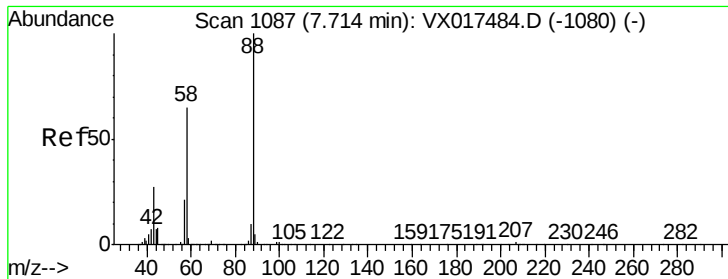
Tot Ion:117 Resp: 45738
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.0#
121 0.3 24.3 36.5#



#44
Trichloroethene
Concen: 0.216 ug/l
RT: 7.20 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

Tgt Ion:130 Resp: 1292
Ion Ratio Lower Upper
130 100
95 84.8 0.0 189.0





#49

1,4-Dioxane

Concen: 1.500 ug/l

RT: 7.77 min Scan# 1096

Delta R.T. 0.05 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

TP-3-GW

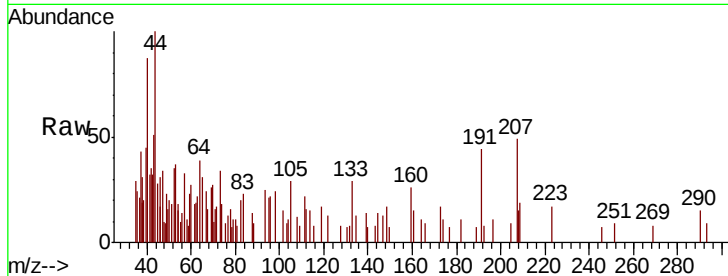
Tot Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

43 69.6 27.8 41.6#

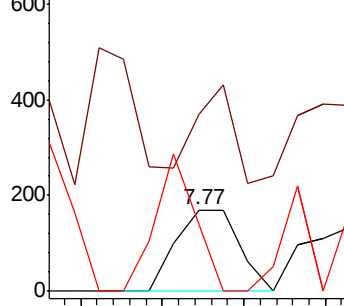
58 106.0 58.3 87.5#



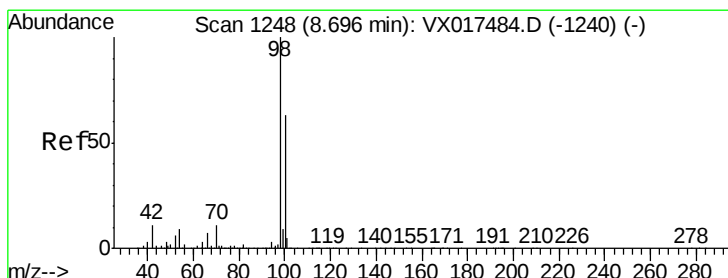
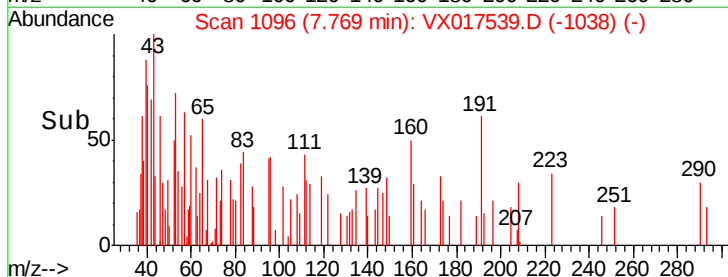
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 55.331 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017539.D

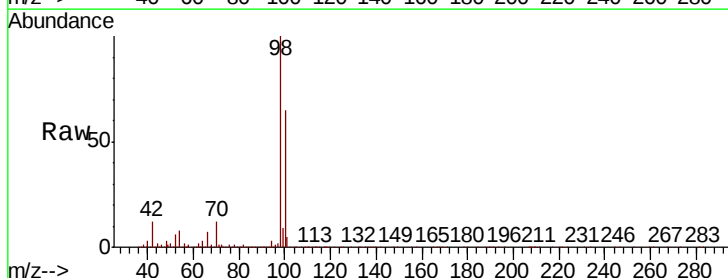
Acq: 24 Jul 2020 13:51

Tgt Ion: 98 Resp: 994989

Ion Ratio Lower Upper

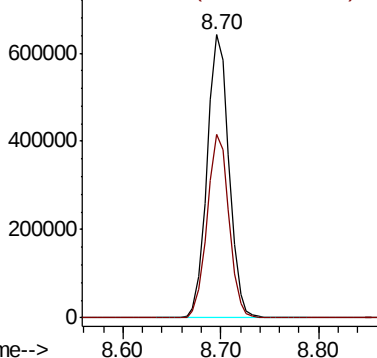
98 100

100 65.0 52.3 78.5

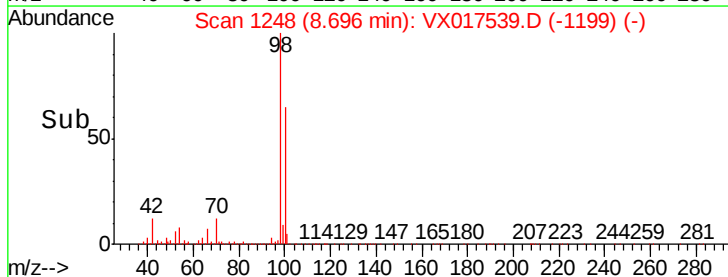


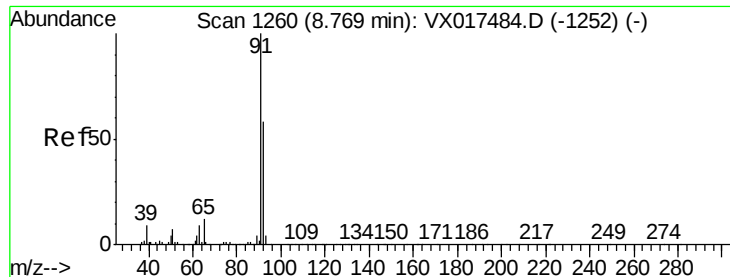
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#52

Toluene

Concen: 0.858 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

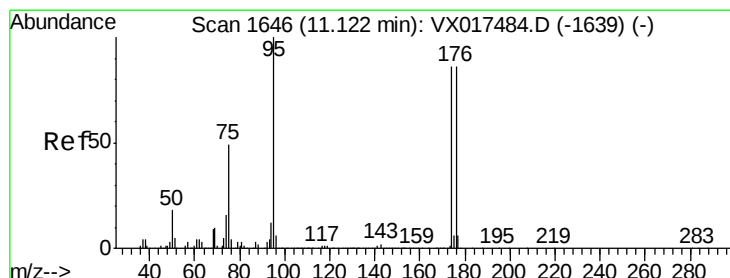
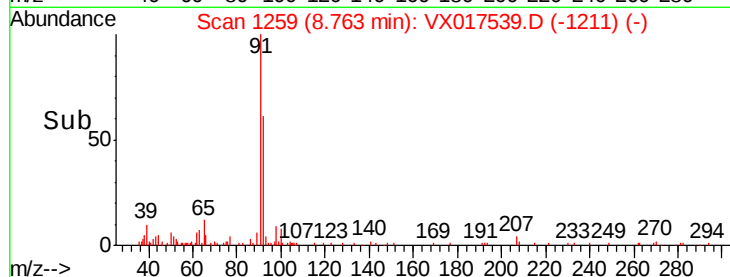
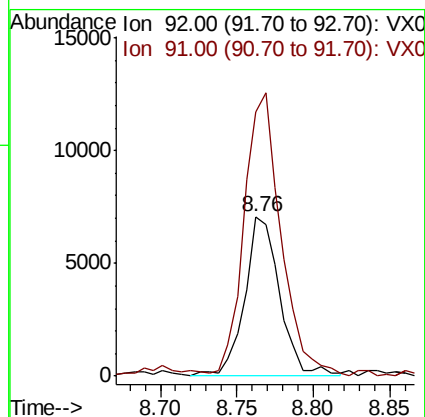
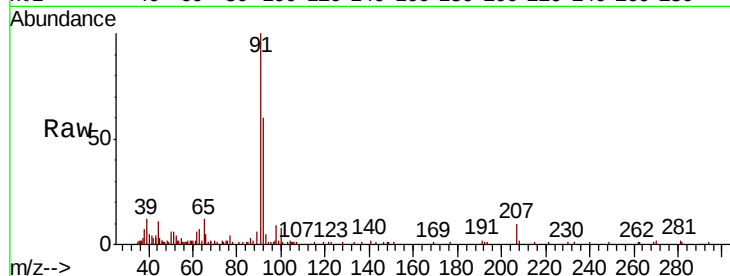
TP-3-GW

Tot Ion: 92 Resp: 11272

Ion Ratio Lower Upper

92 100

91 186.8 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 55.905 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

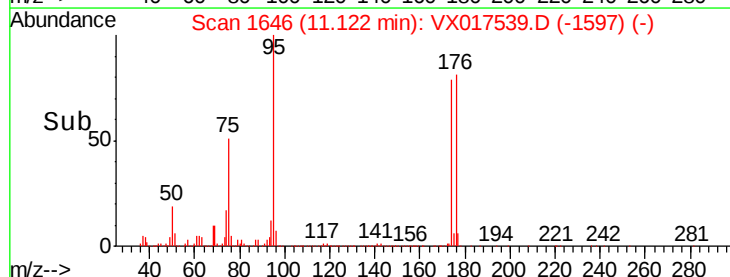
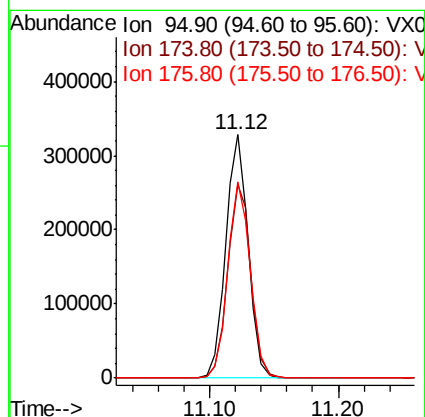
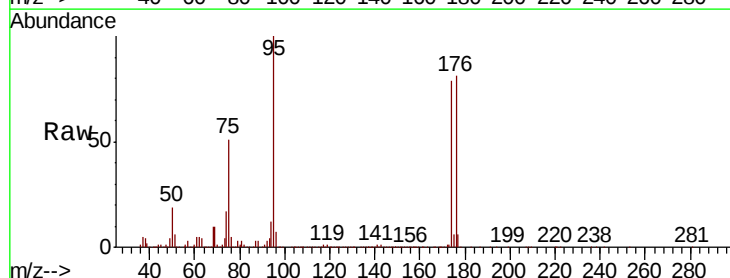
Tgt Ion: 95 Resp: 402326

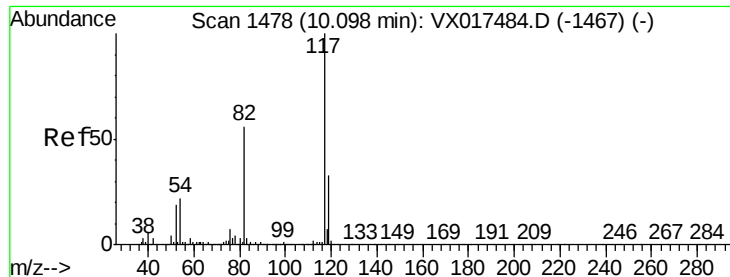
Ion Ratio Lower Upper

95 100

174 82.2 0.0 169.0

176 81.3 0.0 161.0

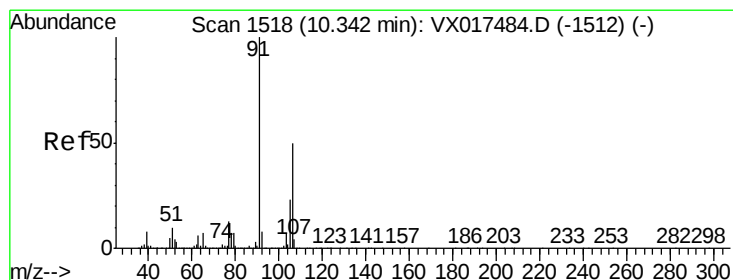
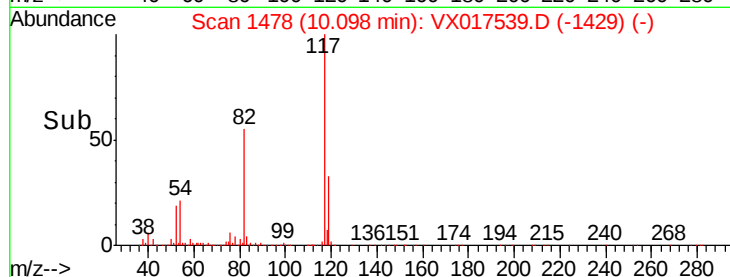
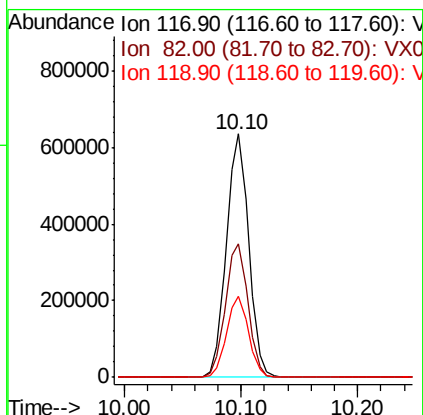
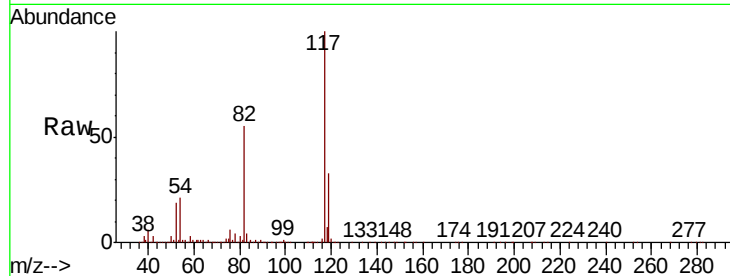




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

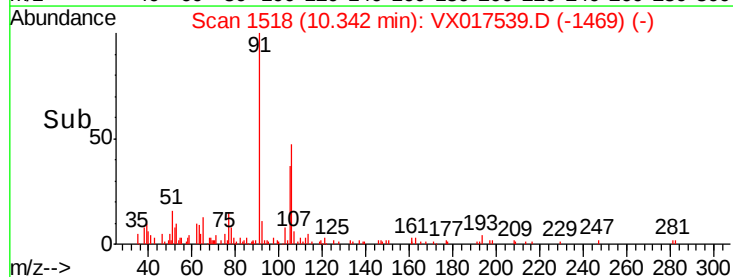
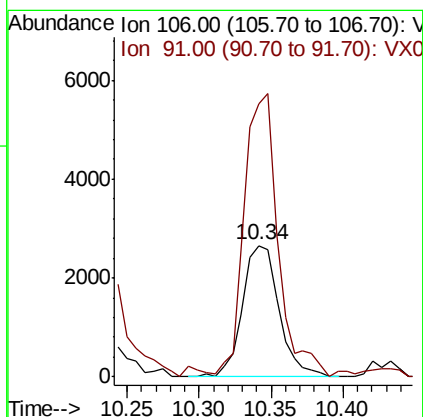
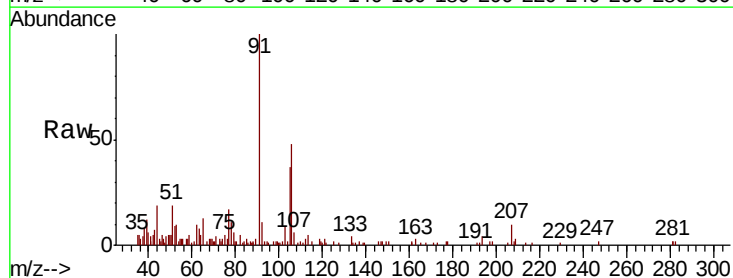
Instrument :
MSVOA_X
ClientSampleId :
TP-3-GW

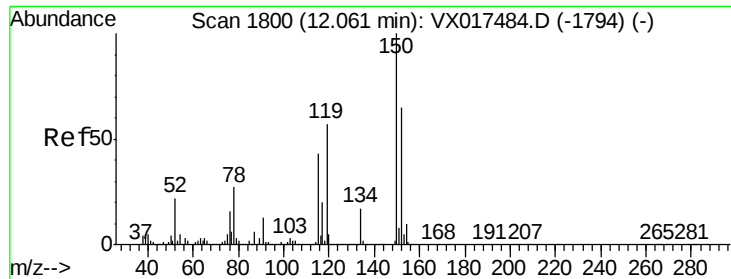
Tot Ion:117 Resp: 847954
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 33.1 25.4 38.0



#68
m/p-Xylenes
Concen: 0.392 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017539.D
Acq: 24 Jul 2020 13:51

Tgt Ion:106 Resp: 4655
Ion Ratio Lower Upper
106 100
91 199.9 160.9 241.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

TP-3-GW

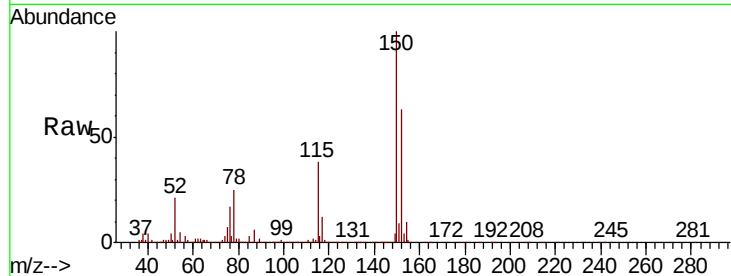
Tot Ion:152 Resp: 449360

Ion Ratio Lower Upper

152 100

115 57.8 65.5 196.6#

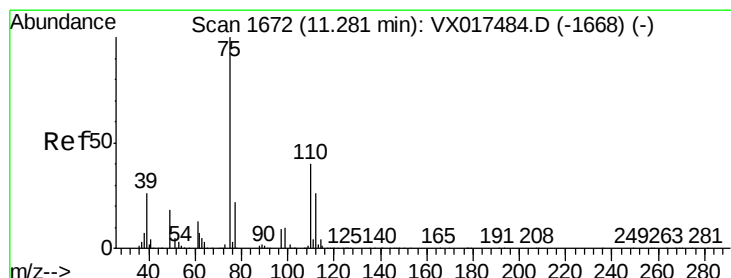
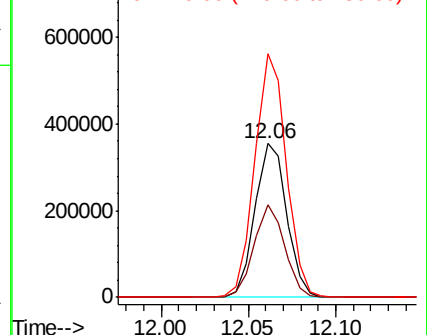
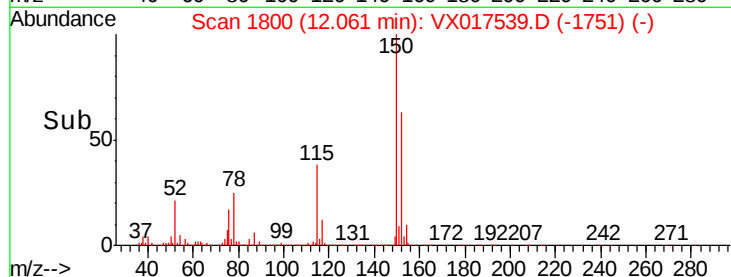
150 156.5 0.0 412.6



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: 22.685 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017539.D

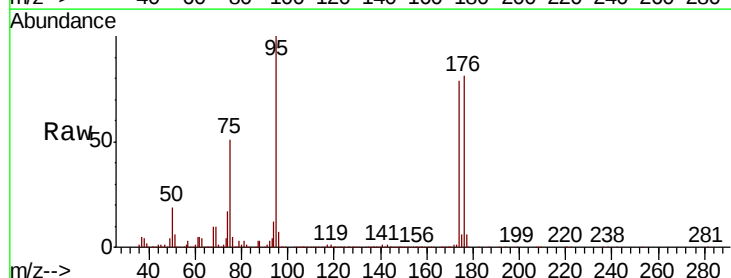
Acq: 24 Jul 2020 13:51

Tgt Ion: 75 Resp: 209694

Ion Ratio Lower Upper

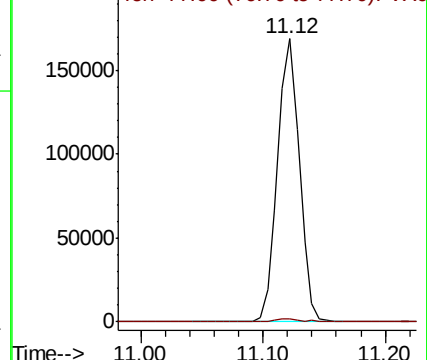
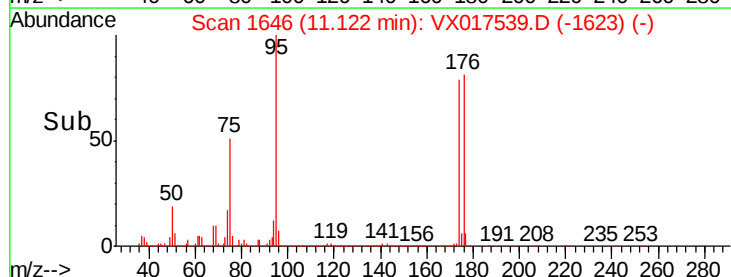
75 100

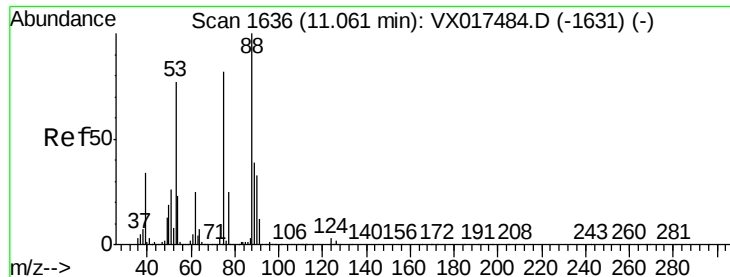
77 1.4 21.8 65.3#



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: 57.162 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

TP-3-GW

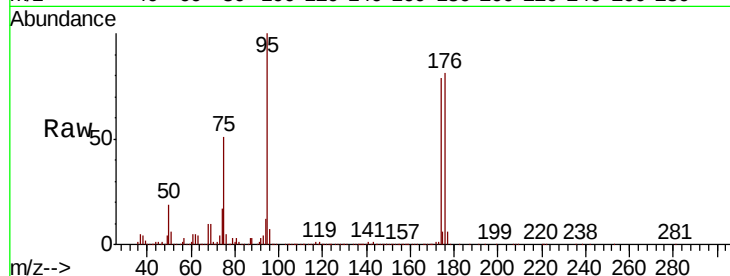
Tot Ion: 75 Resp: 209694

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

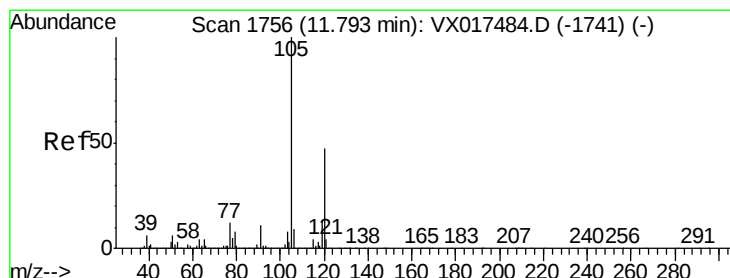
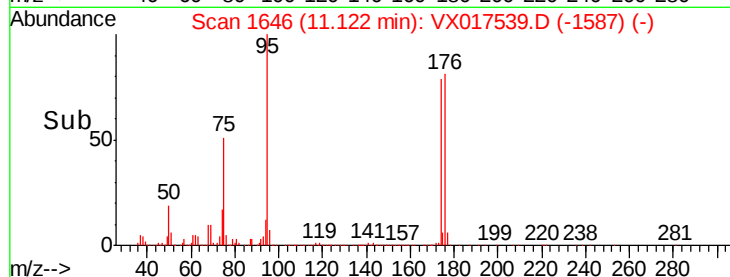
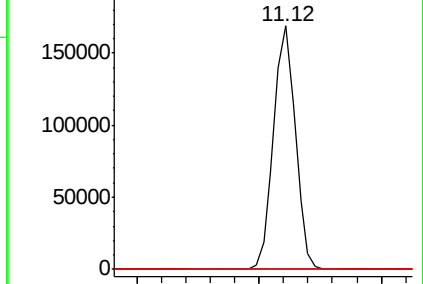
89 0.0 37.8 56.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.207 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017539.D

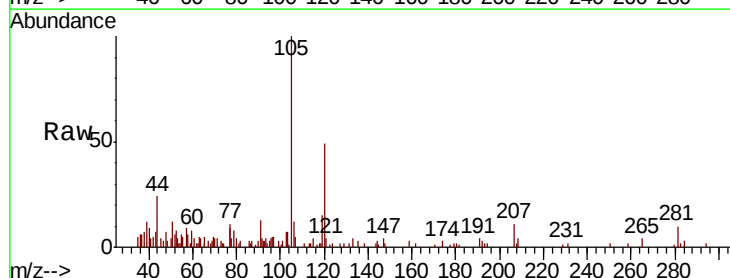
Acq: 24 Jul 2020 13:51

Tgt Ion: 105 Resp: 5407

Ion Ratio Lower Upper

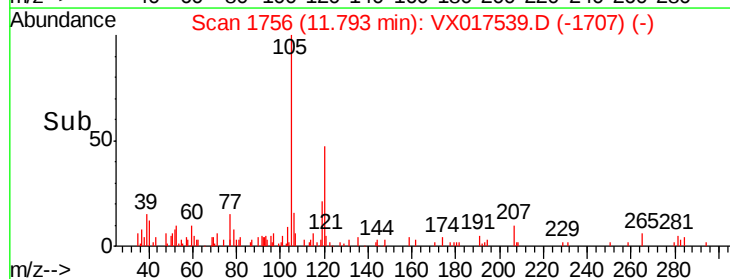
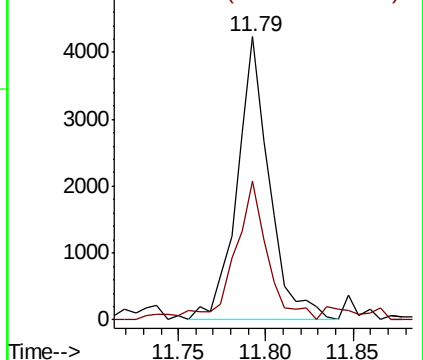
105 100

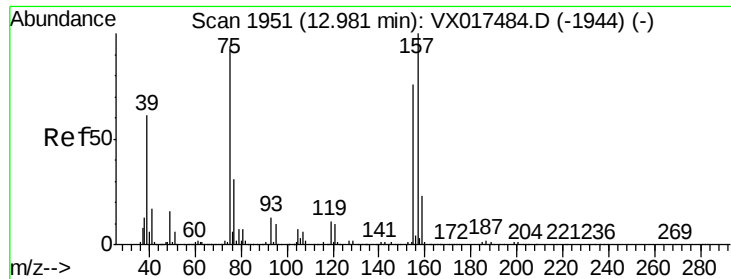
120 51.1 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.610 ug/l

RT: 12.83 min Scan# 1926

Delta R.T. -0.15 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

TP-3-GW

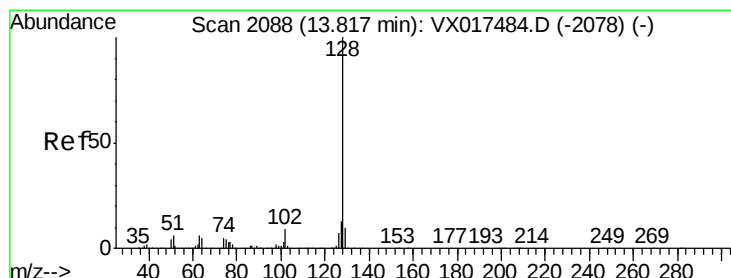
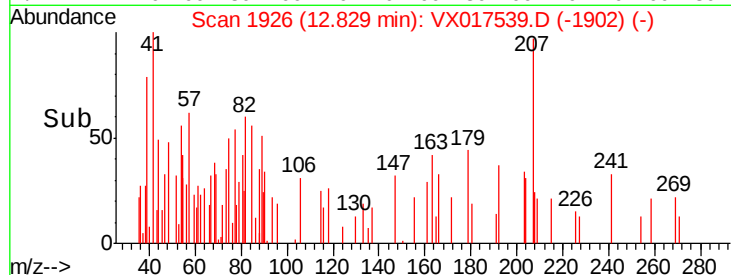
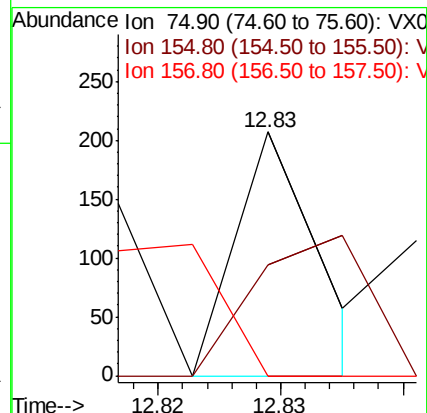
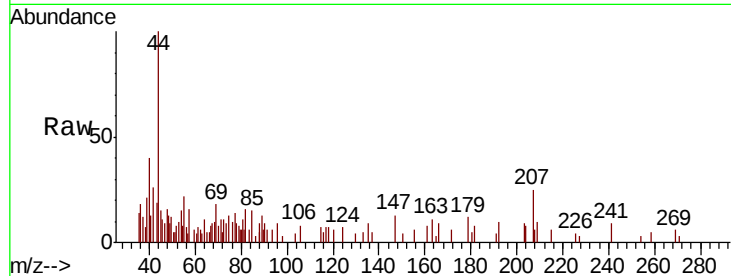
Tot Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

155 81.3 42.3 126.8

157 83.3 54.3 162.9



#95

Naphthalene

Concen: 0.232 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017539.D

Acq: 24 Jul 2020 13:51

Tgt Ion: 128 Resp: 6899

Ion Ratio Lower Upper

128 100

127 20.8 10.4 15.6#

129 15.4 8.9 13.3#

