

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
 Data File : VX019153.D
 Acq On : 27 Oct 2020 21:40
 Operator : JC/MD
 Sample : L4516-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-2

Quant Time: Oct 28 02:31:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	313724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	550361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	526667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	269609	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	208235	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.46	113	168654	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.70	98	675678	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.12	95	262963	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	

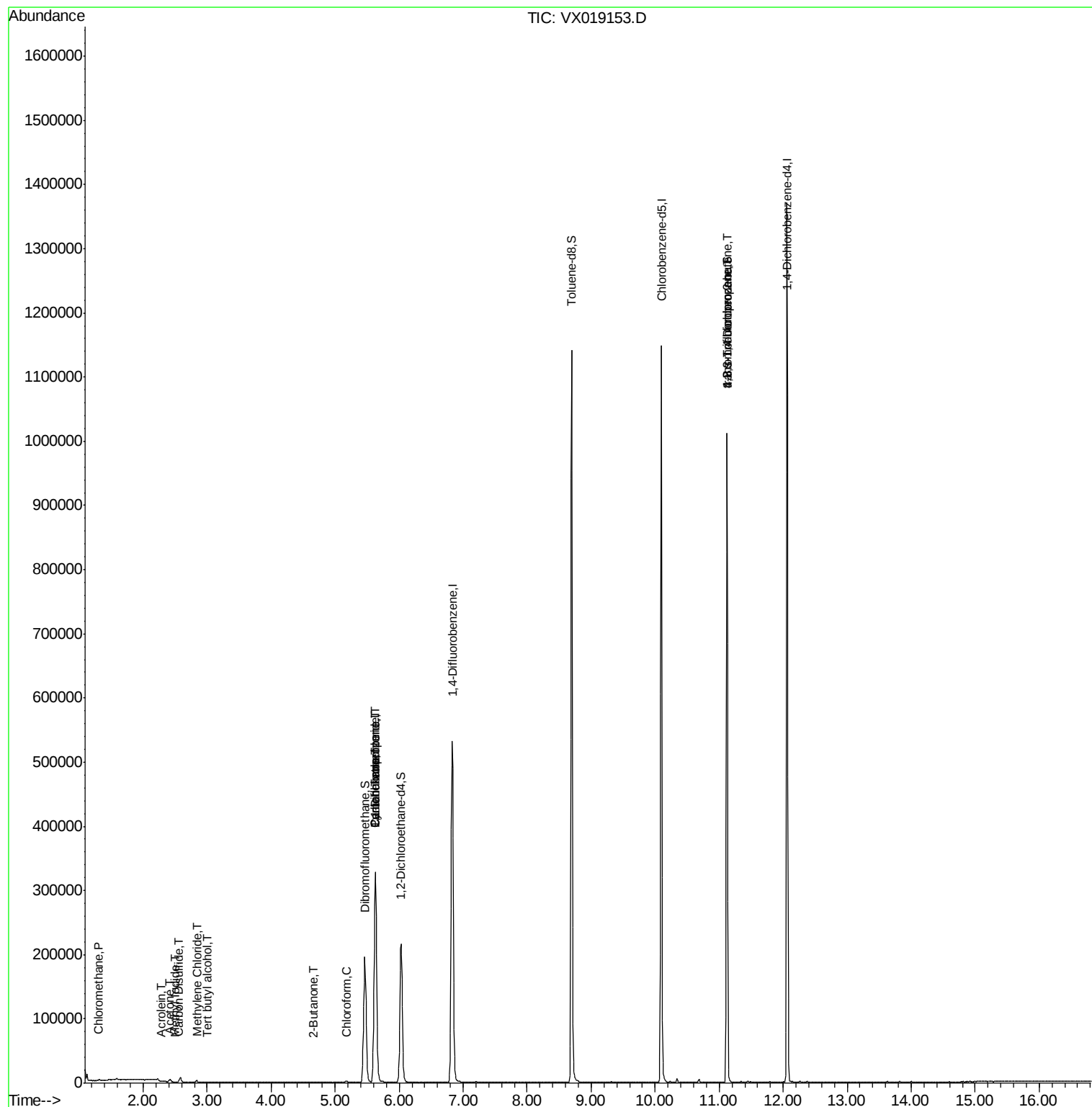
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	777	0.266	ug/l #	68
10) Methyl Iodide	2.50	142	19	6.383	ug/l #	39
11) Tert butyl alcohol	3.01	59	629	0.787	ug/l #	72
13) Acrolein	2.28	56	21	5.705	ug/l #	1
16) Acetone	2.42	43	4762	3.412	ug/l	100
17) Carbon Disulfide	2.55	76	995	0.873	ug/l #	74
20) Methylene Chloride	2.84	84	1256	0.358	ug/l	85
25) 2-Butanone	4.67	43	459	0.209	ug/l #	44
30) Chloroform	5.17	83	2298	0.377	ug/l #	79
31) Cyclohexane	5.62	56	6691	1.308	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24764	4.873	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31603	6.101	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	134884	24.230	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	134884	63.797	ug/l #	12

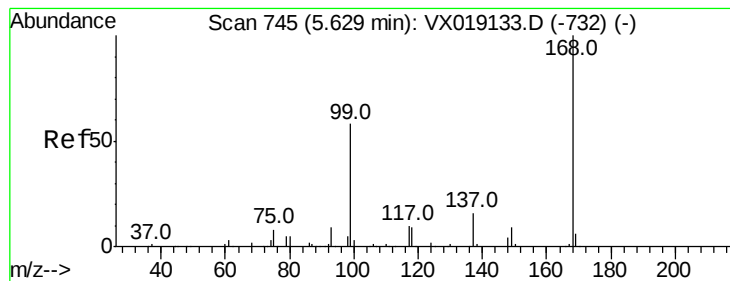
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
FRAC-TANK-2

Quant Time: Oct 28 02:31:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

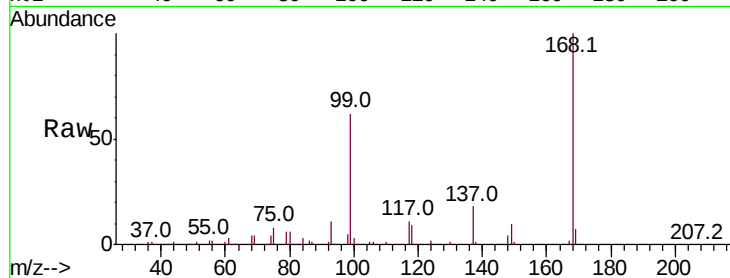
FRAC-TANK-2

Tot Ion:168 Resp: 313724

Ion Ratio Lower Upper

168 100

99 61.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

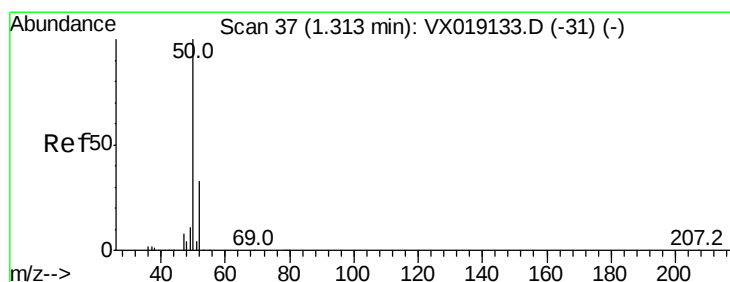
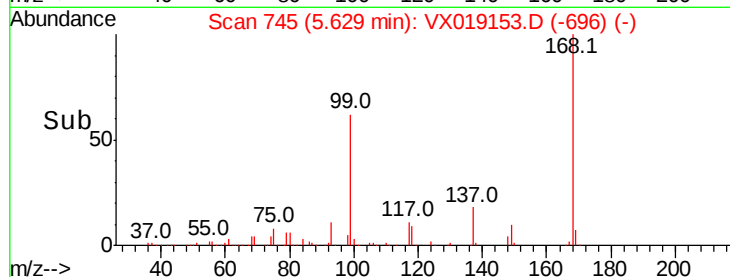
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.266 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019153.D

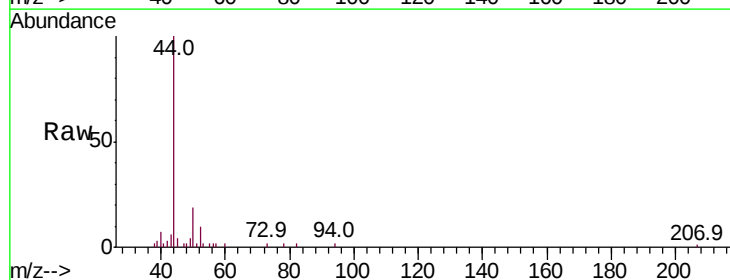
Acq: 27 Oct 2020 21:40

Tgt Ion: 50 Resp: 777

Ion Ratio Lower Upper

50 100

52 51.6 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

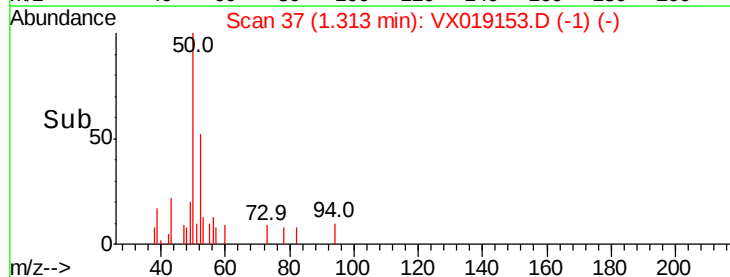
400

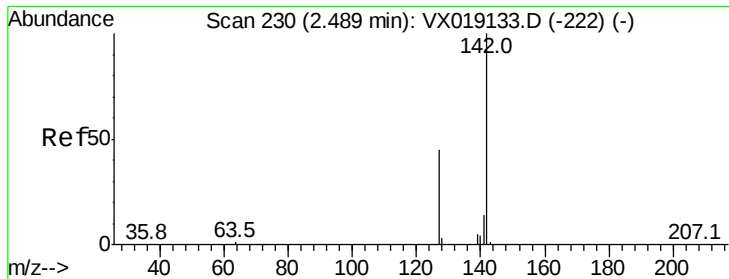
200

0

Time-->

1.28 1.30 1.32 1.34

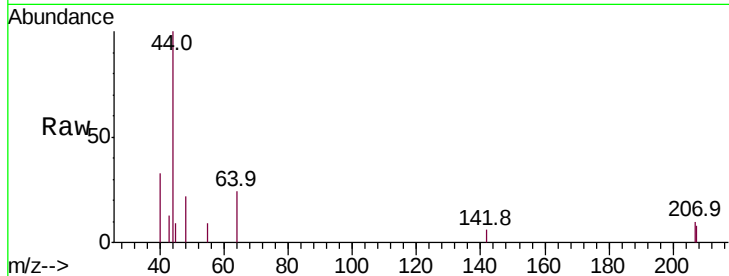




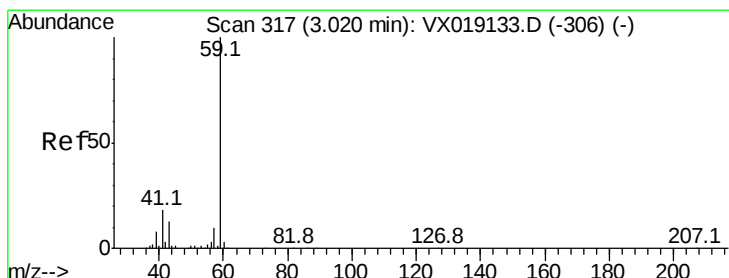
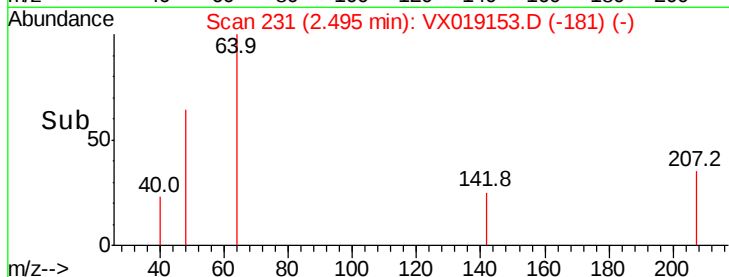
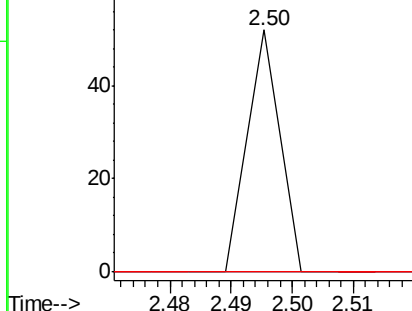
#10
Methyl Iodide
Concen: 6.383 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019153.D
Acq: 27 Oct 2020 21:40

Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-2

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.3 16.9#

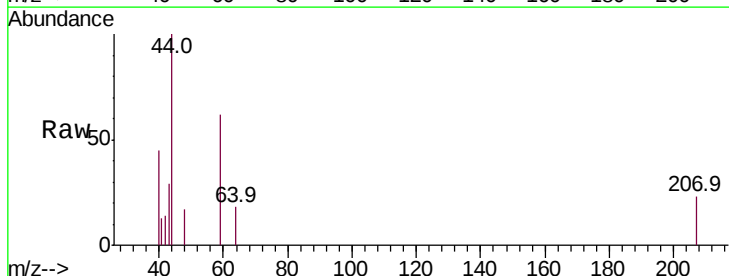


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

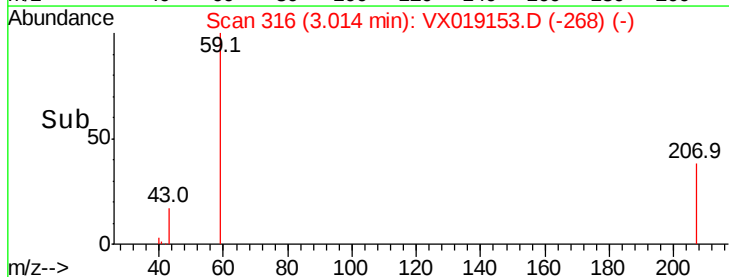
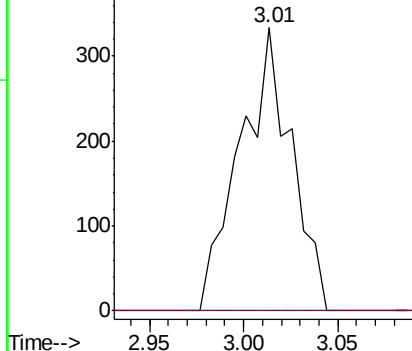


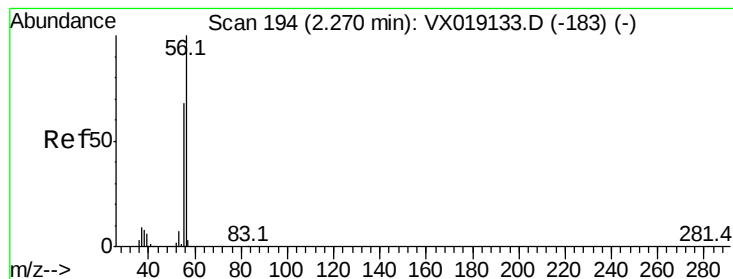
#11
Tert butyl alcohol
Concen: 0.787 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX019153.D
Acq: 27 Oct 2020 21:40

Tgt Ion: 59 Resp: 629
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.705 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

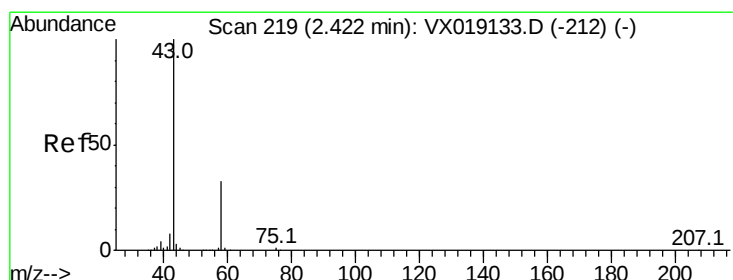
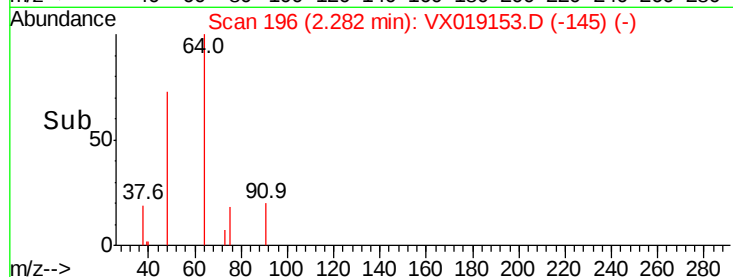
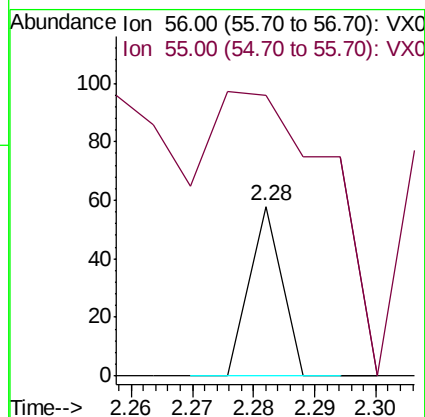
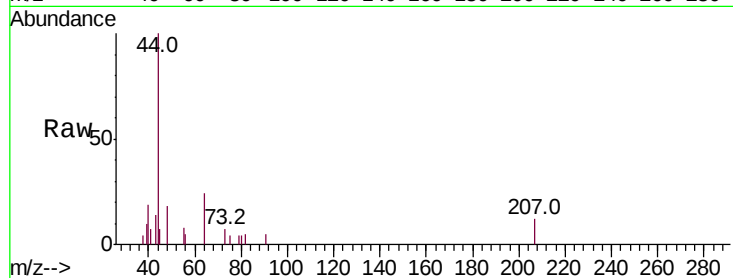
FRAC-TANK-2

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 733.3 54.7 82.1#



#16

Acetone

Concen: 3.412 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019153.D

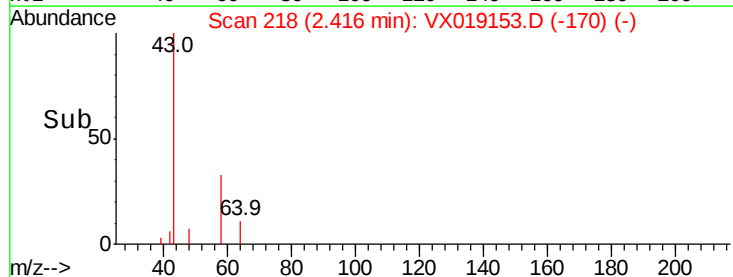
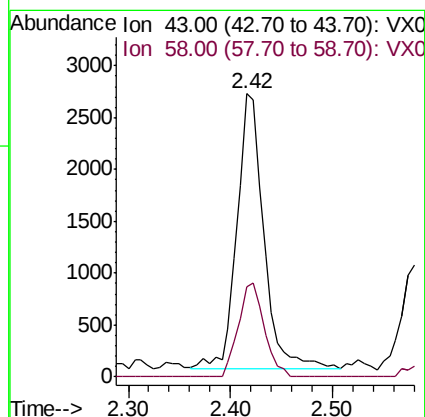
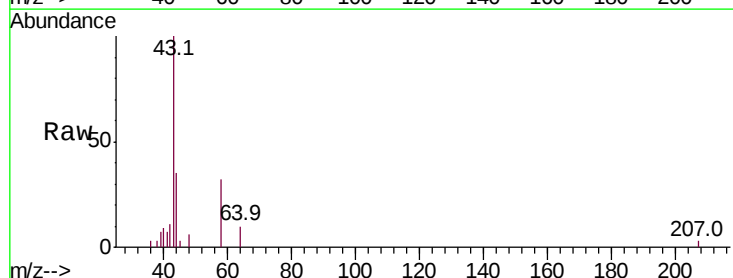
Acq: 27 Oct 2020 21:40

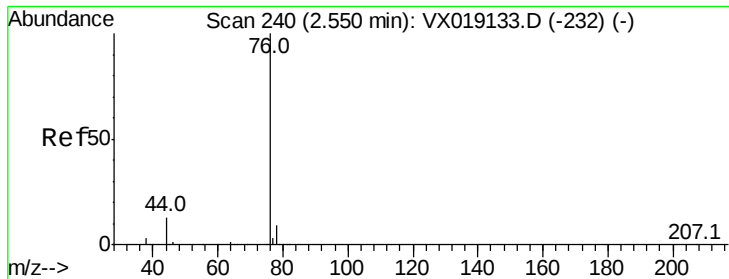
Tgt Ion: 43 Resp: 4762

Ion Ratio Lower Upper

43 100

58 33.0 26.3 39.5

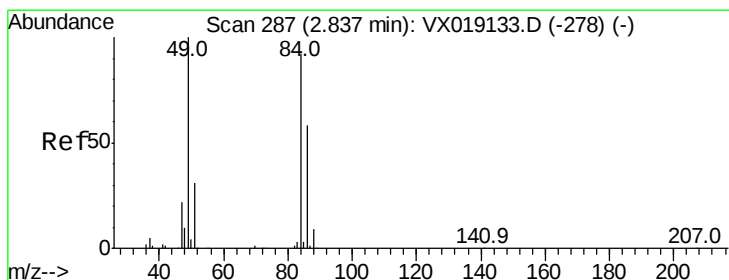
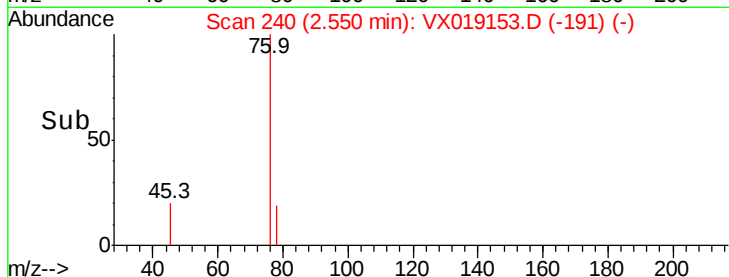
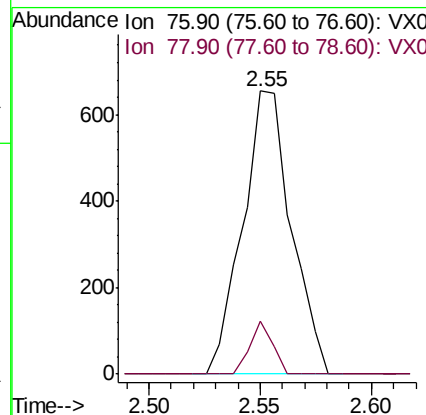
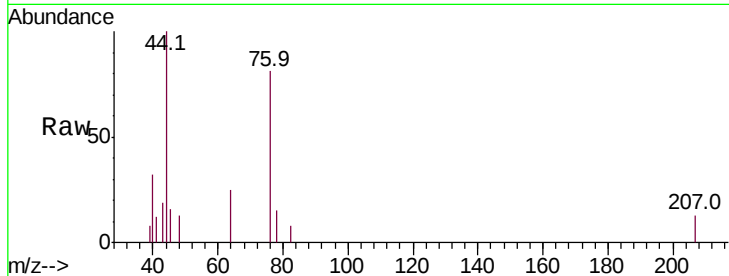




#17
Carbon Disulfide
Concen: 0.873 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019153.D
Acq: 27 Oct 2020 21:40

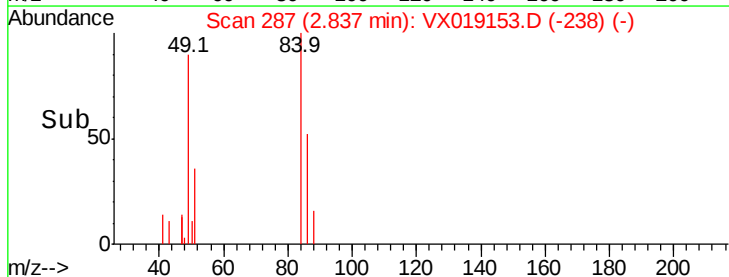
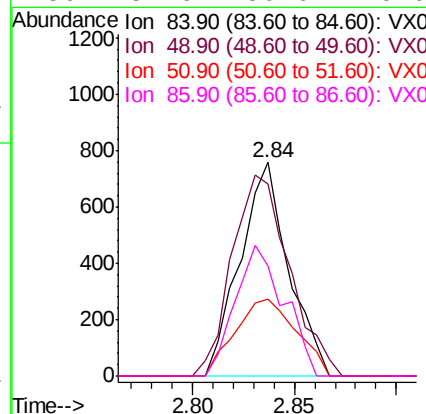
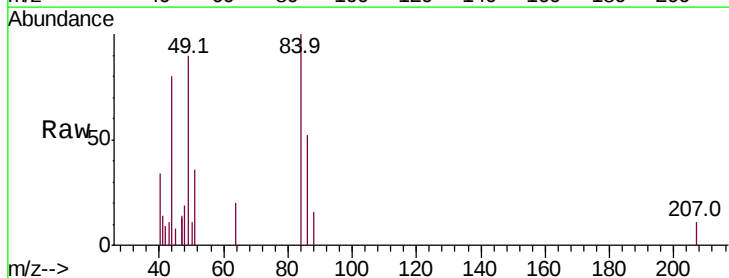
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-2

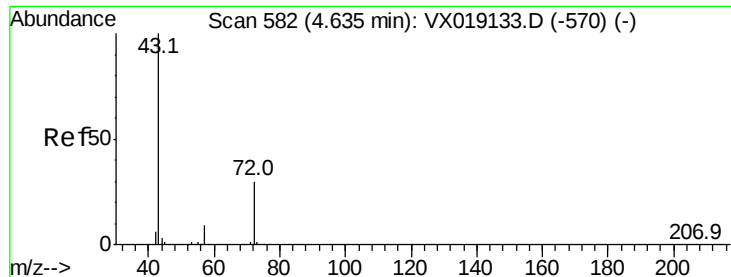
Tot Ion: 76 Resp: 995
Ion Ratio Lower Upper
76 100
78 18.7 7.3 10.9#



#20
Methylene Chloride
Concen: 0.358 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019153.D
Acq: 27 Oct 2020 21:40

Tgt Ion: 84 Resp: 1256
Ion Ratio Lower Upper
84 100
49 89.8 86.8 130.2
51 36.1 27.3 40.9
86 51.6 50.6 76.0





#25

2-Butanone

Concen: 0.209 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

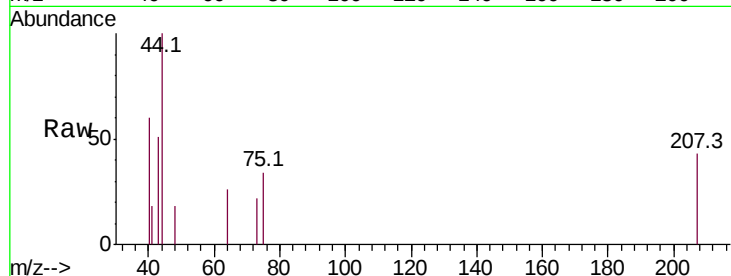
FRAC-TANK-2

Tot Ion: 43 Resp: 459

Ion Ratio Lower Upper

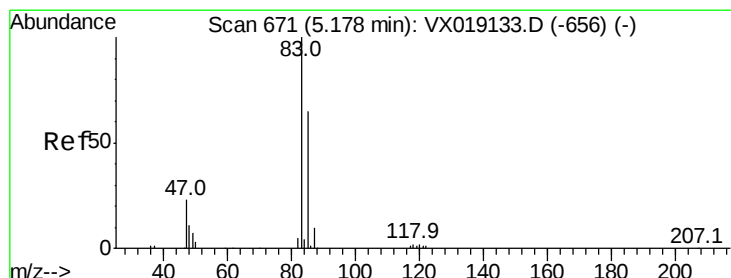
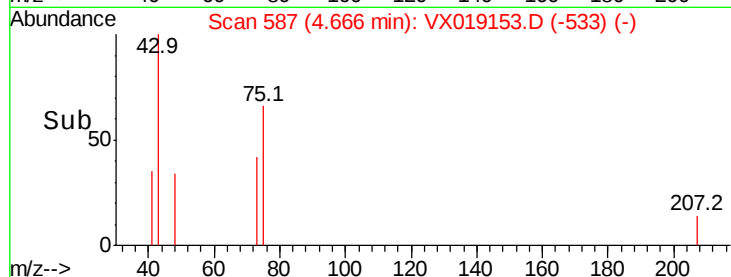
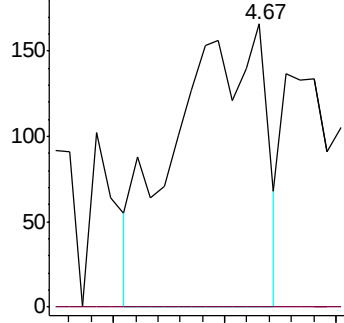
43 100

72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 0.377 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019153.D

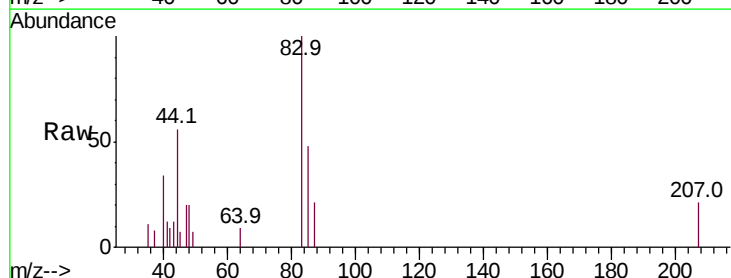
Acq: 27 Oct 2020 21:40

Tgt Ion: 83 Resp: 2298

Ion Ratio Lower Upper

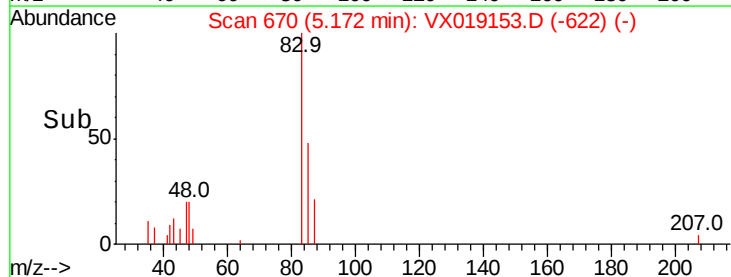
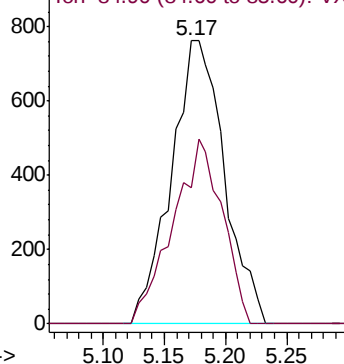
83 100

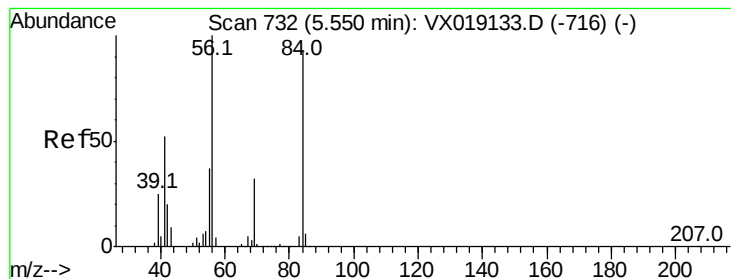
85 48.0 51.9 77.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cvclohexane

Concen: 1.308 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-2

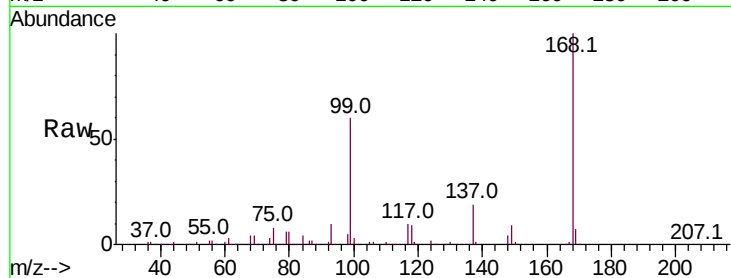
Tot Ion: 56 Resp: 6691

Ion Ratio Lower Upper

56 100

69 164.8 25.9 38.9#

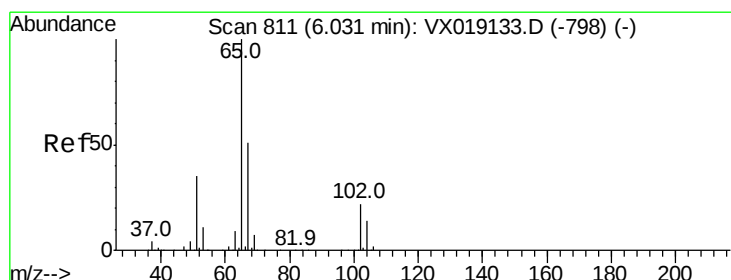
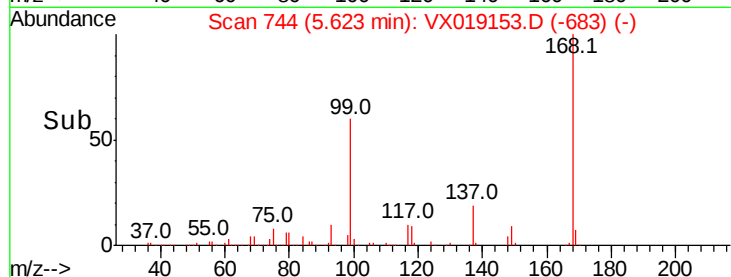
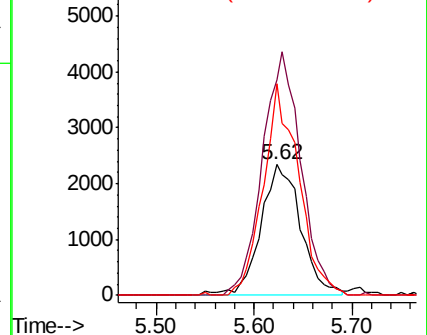
84 162.1 73.4 110.2#



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: 51.469 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019153.D

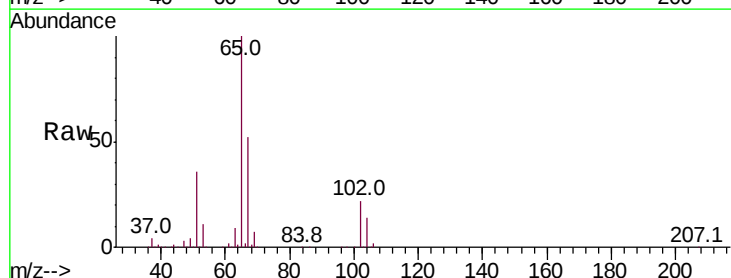
Acq: 27 Oct 2020 21:40

Tgt Ion: 65 Resp: 208235

Ion Ratio Lower Upper

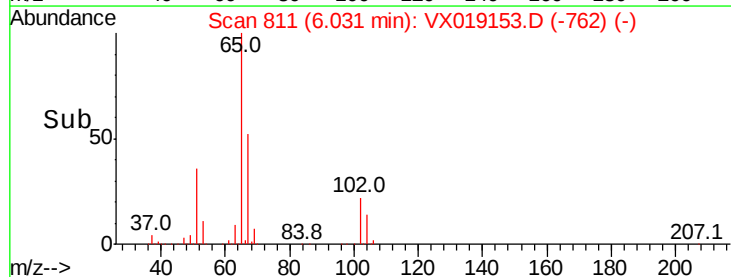
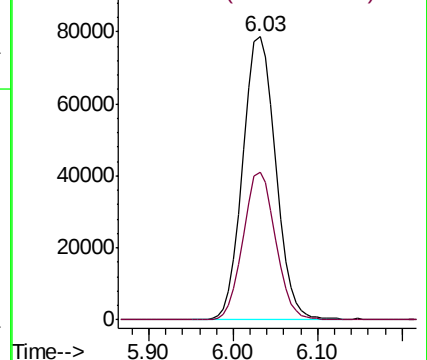
65 100

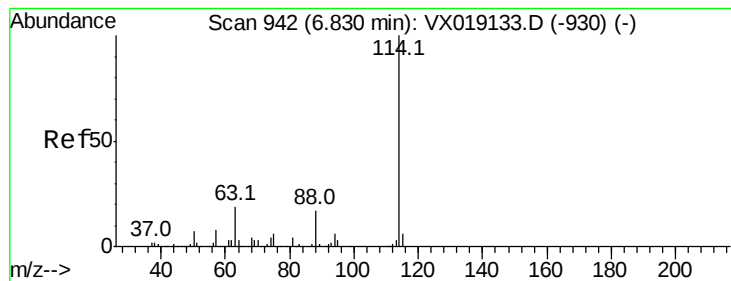
67 51.5 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-2

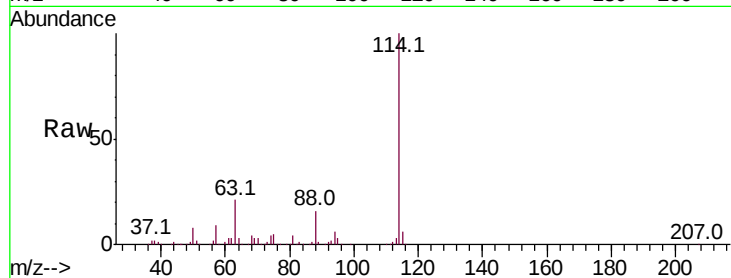
Tot Ion:114 Resp: 550361

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

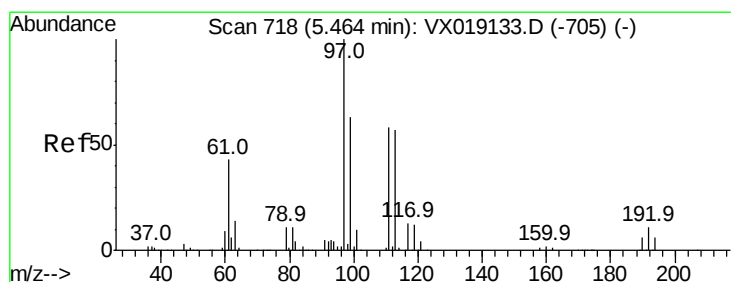
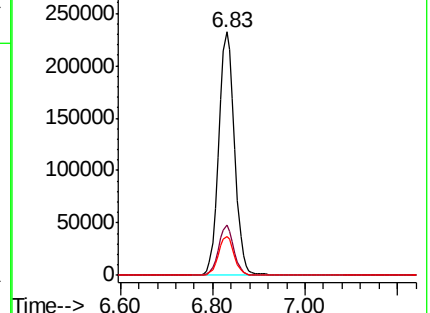
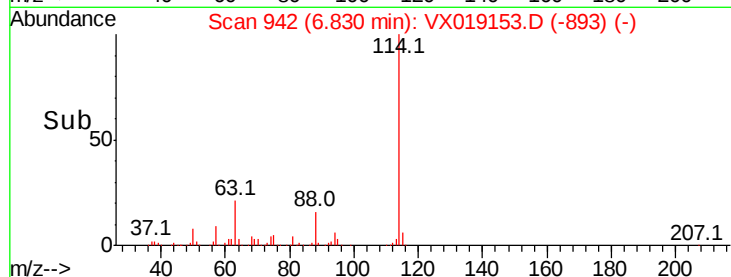
88 15.8 0.0 34.2



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: 48.786 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

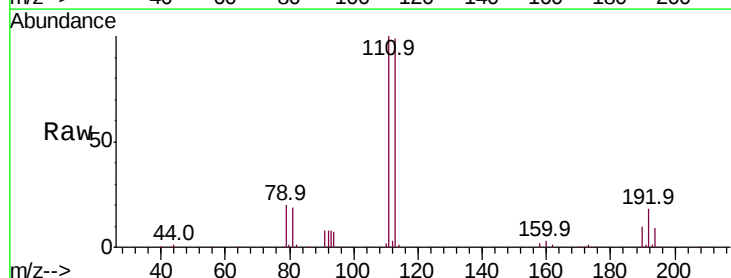
Tgt Ion:113 Resp: 168654

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

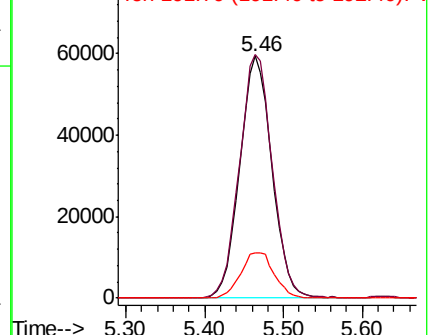
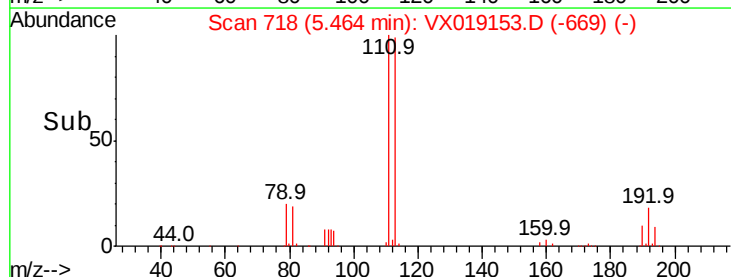
192 19.7 16.2 24.2

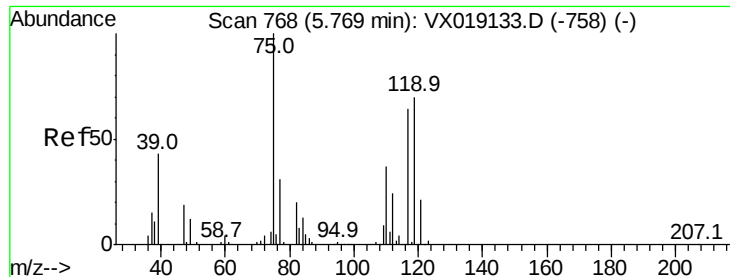


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.873 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-2

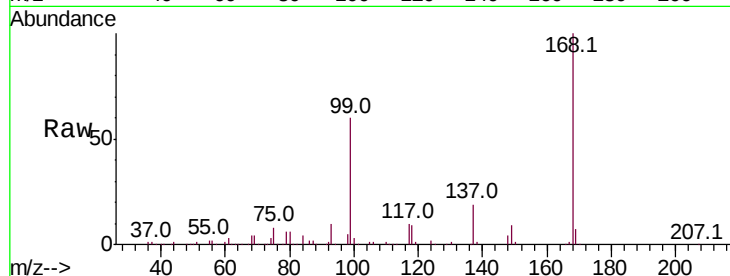
Tot Ion: 75 Resp: 24764

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.9#

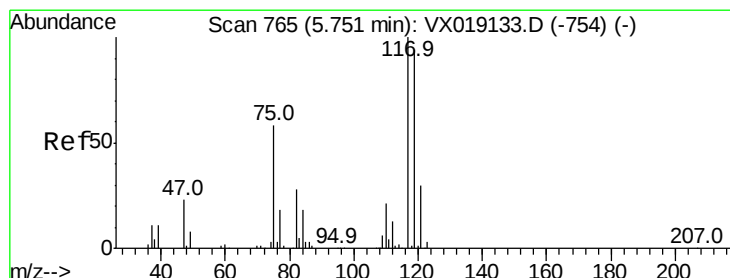
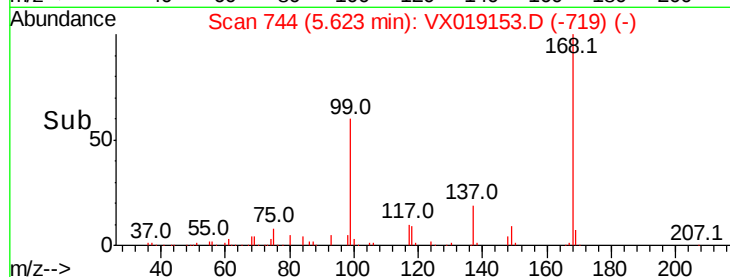
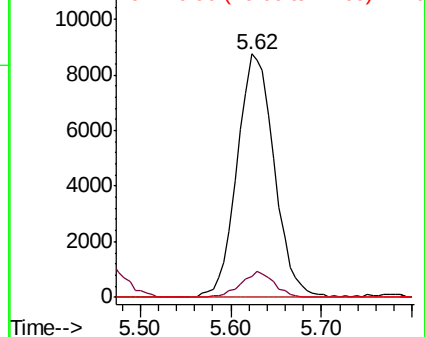
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.101 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

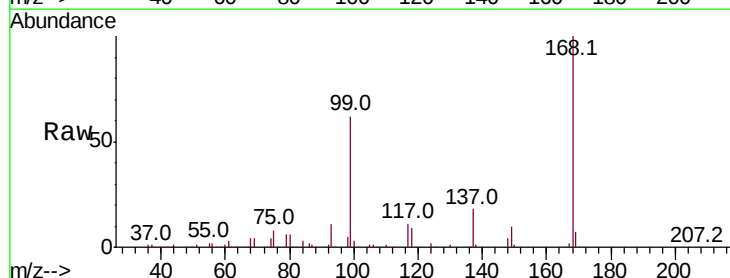
Tgt Ion: 117 Resp: 31603

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

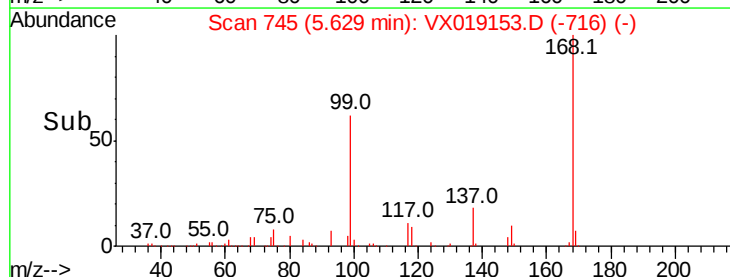
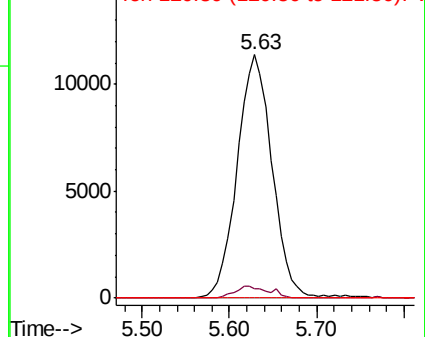
121 0.0 23.9 35.9#

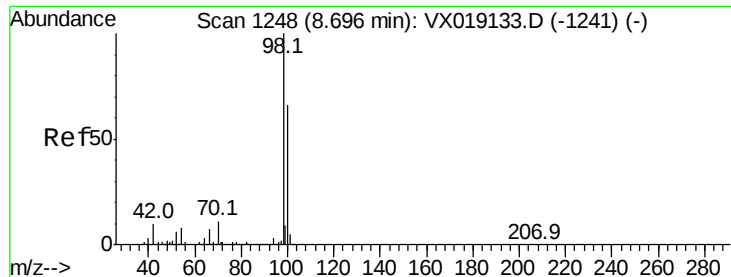


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.849 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

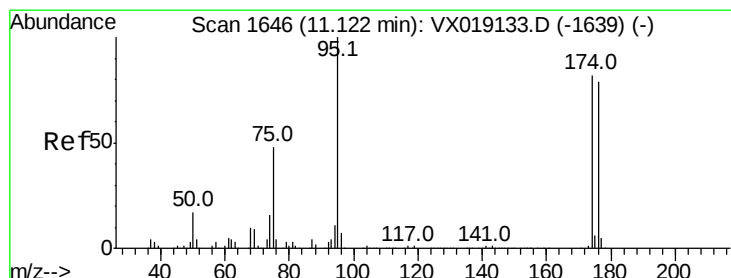
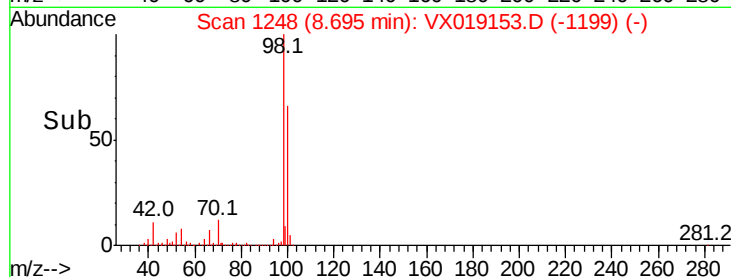
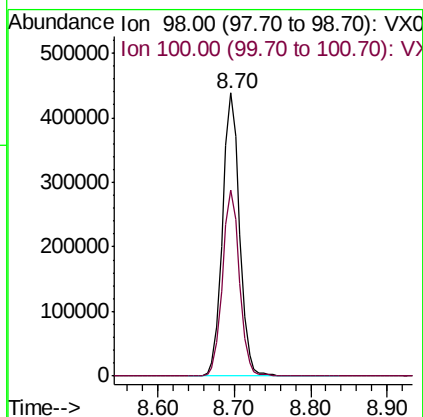
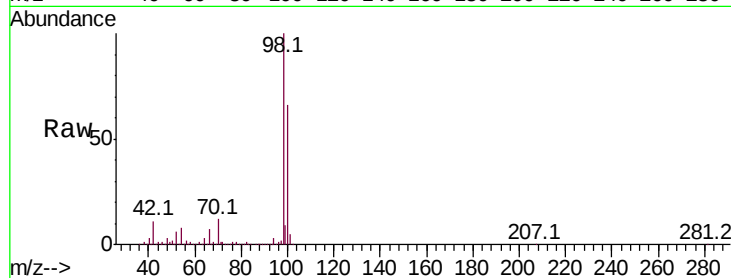
FRAC-TANK-2

Tot Ion: 98 Resp: 675678

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 53.283 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

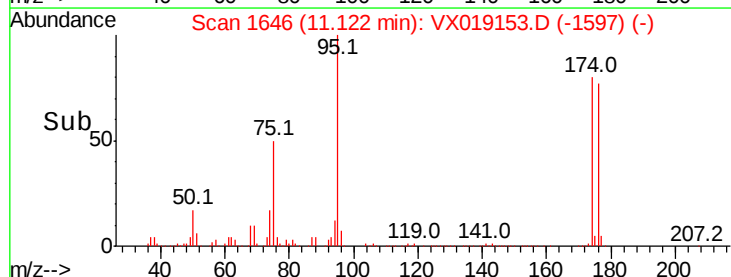
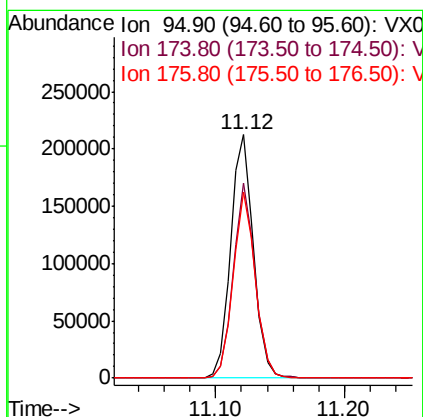
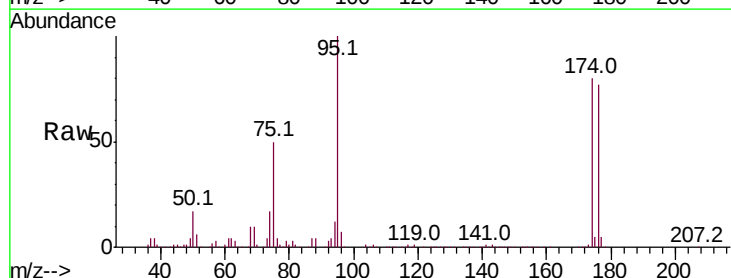
Tgt Ion: 95 Resp: 262963

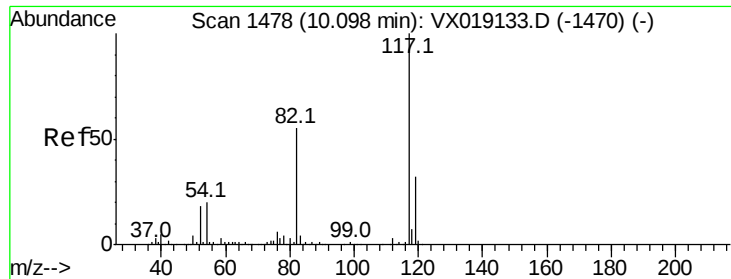
Ion Ratio Lower Upper

95 100

174 76.8 0.0 156.0

176 74.5 0.0 149.8

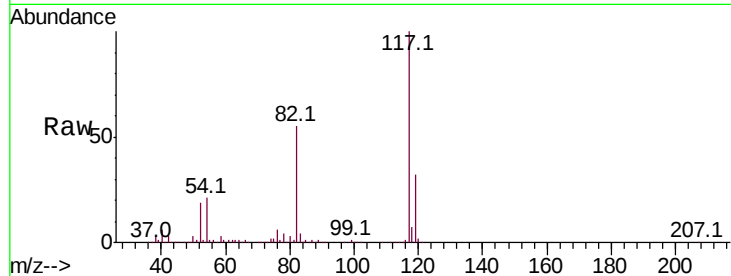




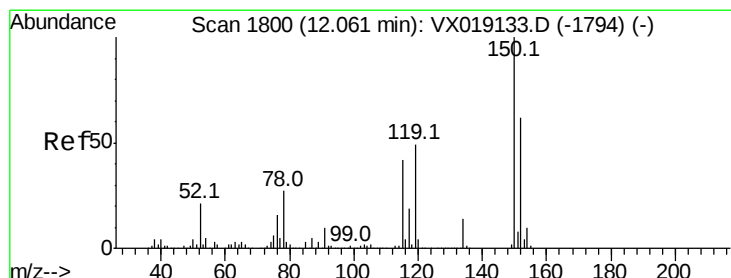
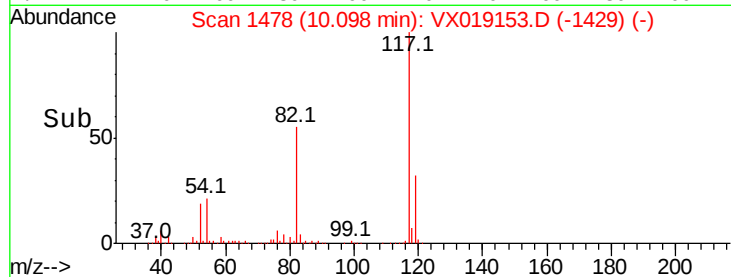
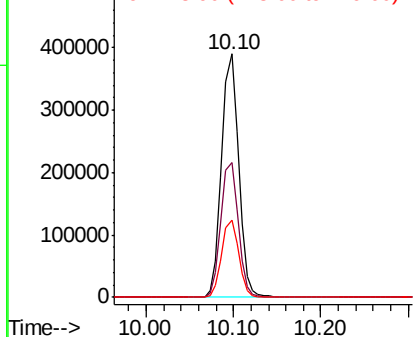
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019153.D
Acq: 27 Oct 2020 21:40

Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-2

Tot Ion:117 Resp: 526667
Ion Ratio Lower Upper
117 100
82 55.3 43.6 65.4
119 31.8 25.5 38.3

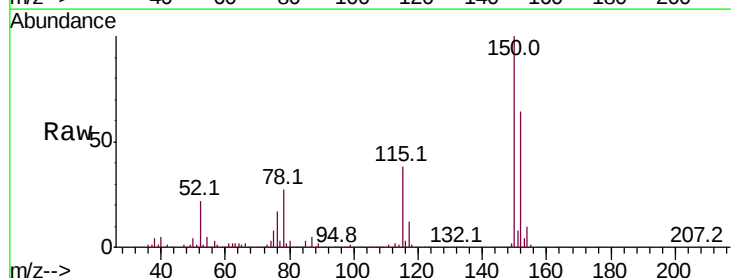


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

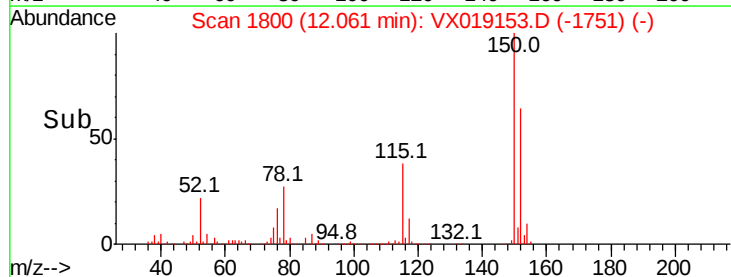
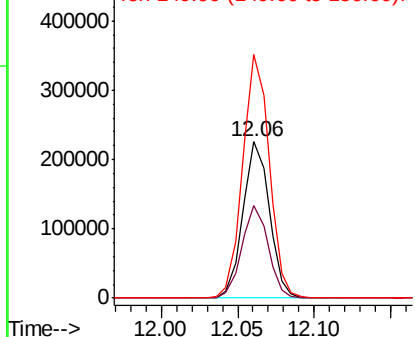


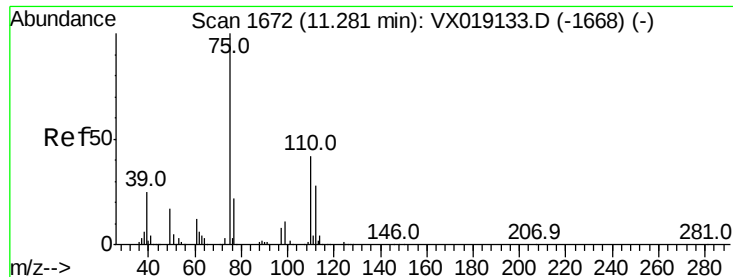
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019153.D
Acq: 27 Oct 2020 21:40

Tgt Ion:152 Resp: 269609
Ion Ratio Lower Upper
152 100
115 59.0 41.9 125.7
150 157.3 0.0 347.8



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: 24.230 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Instrument :

MSVOA_X

ClientSampleId :

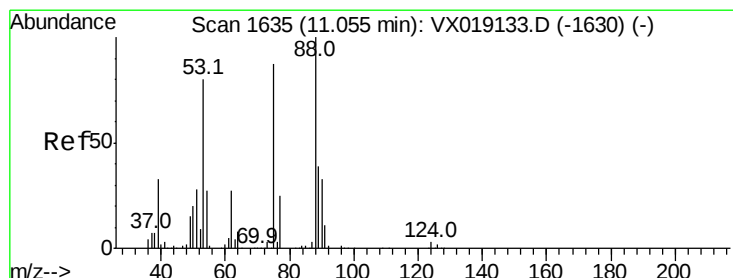
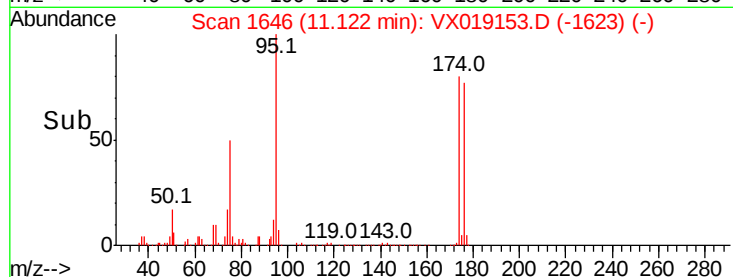
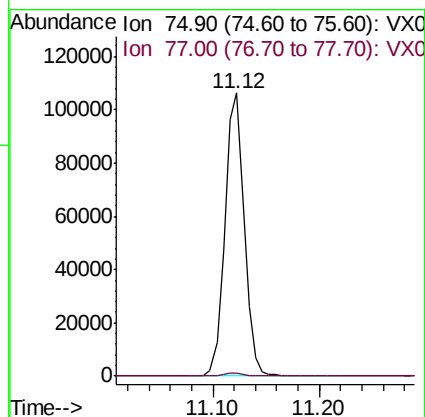
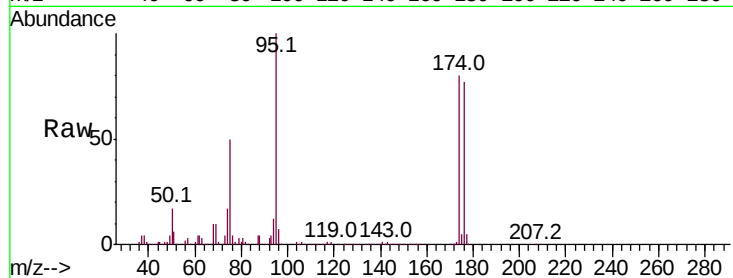
FRAC-TANK-2

Tot Ion: 75 Resp: 134884

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.797 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019153.D

Acq: 27 Oct 2020 21:40

Tgt Ion: 75 Resp: 134884

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

