

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019545.D
 Acq On : 23 Nov 2020 13:08
 Operator : JC/MD
 Sample : L4857-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 24 00:31:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	326561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	522841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195105	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	191566	45.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.48%
35) Dibromofluoromethane	5.46	113	153564	46.79	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.58%
50) Toluene-d8	8.70	98	608366	47.70	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.40%
62) 4-Bromofluorobenzene	11.12	95	210636	45.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.82%

Target Compounds

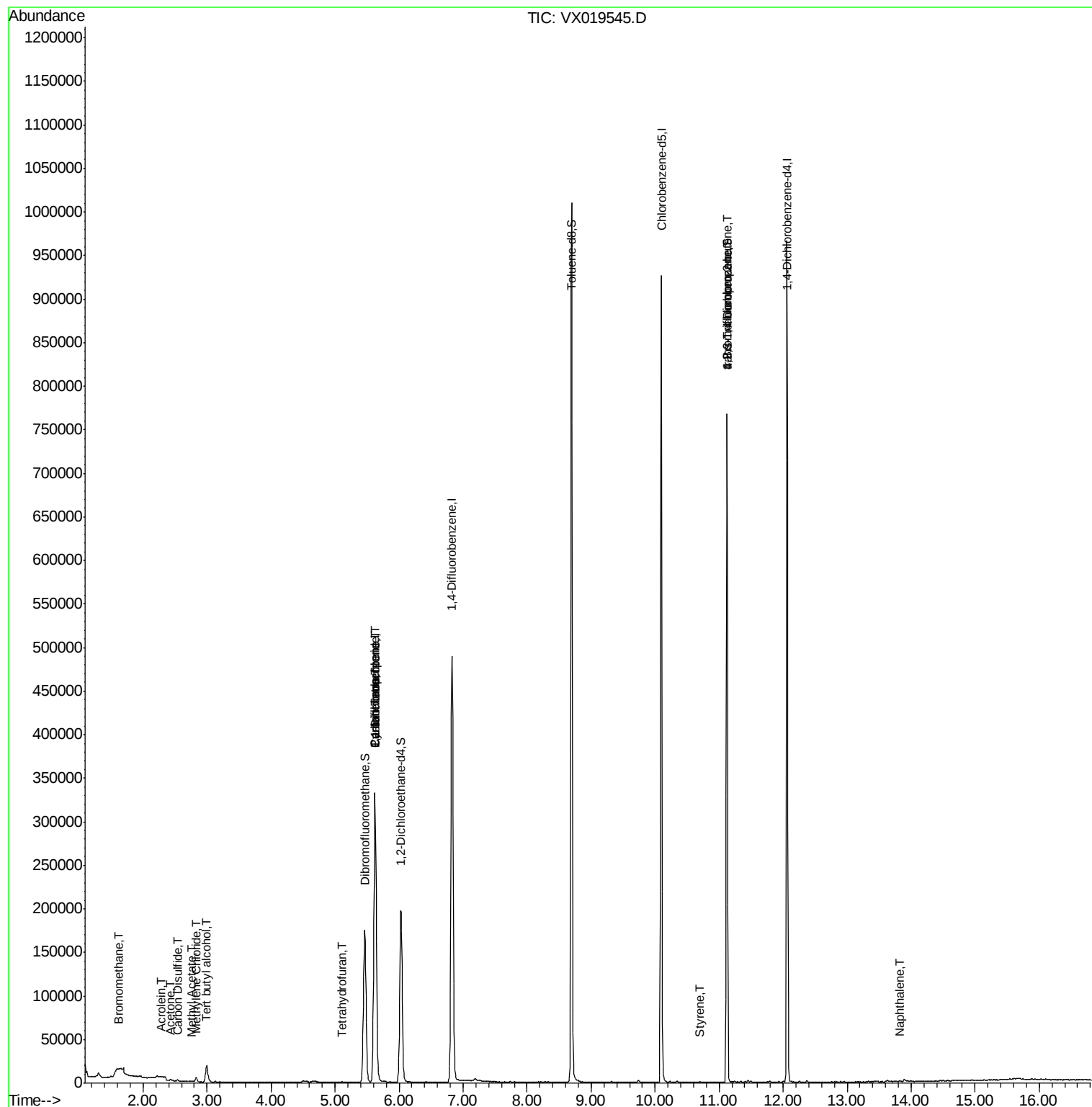
					Qvalue	
5) Bromomethane	1.62	94	552	0.372	ug/l	84
6) Chloroethane	1.67	64	123	Below	Cal	# 47
11) Tert butyl alcohol	2.99	59	11997	14.972	ug/l	# 76
13) Acrolein	2.28	56	525	0.975	ug/l	# 15
16) Acetone	2.43	43	1684	1.028	ug/l	98
17) Carbon Disulfide	2.54	76	1854	0.213	ug/l	97
18) Methyl Acetate	2.75	43	544	0.768	ug/l	# 86
20) Methylene Chloride	2.83	84	2307	0.564	ug/l	94
29) Tetrahydrofuran	5.10	42	503	0.321	ug/l	# 37
31) Cyclohexane	5.63	56	6485	1.178	ug/l	# 1
36) 1,1-Dichloropropene	5.62	75	24181	4.933	ug/l	# 50
38) Carbon Tetrachloride	5.63	117	31652	6.671	ug/l	# 15
70) Styrene	10.70	104	204	1.664	ug/l	# 80
76) 1,2,3-Trichloropropane	11.12	75	101751	23.897	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.12	75	101751	63.313	ug/l	# 12
95) Naphthalene	13.82	128	815	2.232	ug/l	# 83

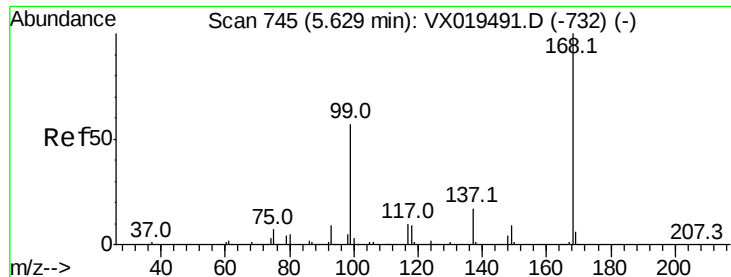
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampled :

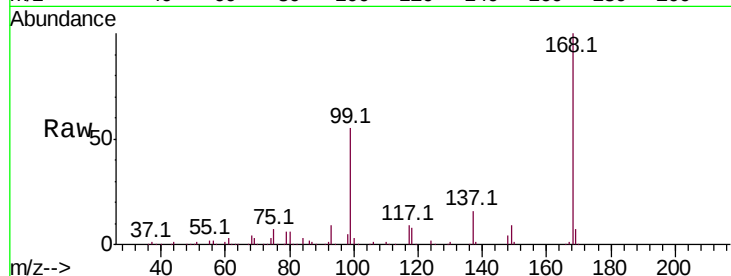
TRIP-BLANK

Tot Ion:168 Resp: 326561

Ion Ratio Lower Upper

168 100

99 55.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

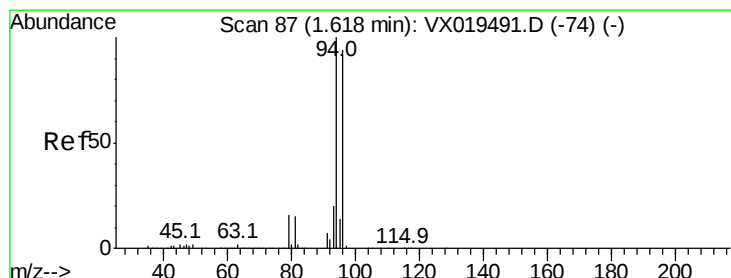
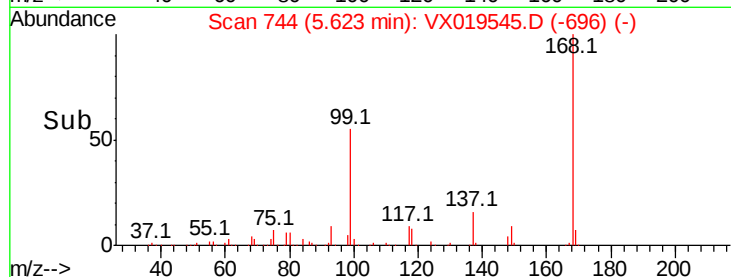
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.372 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019545.D

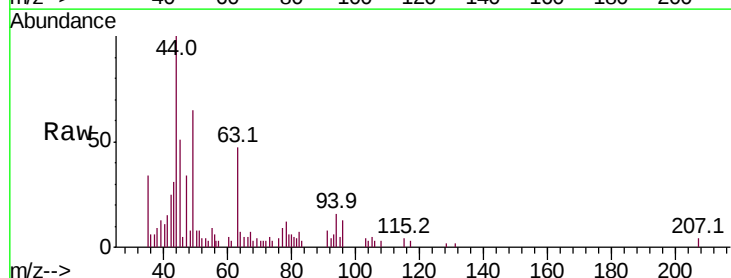
Acq: 23 Nov 2020 13:08

Tgt Ion: 94 Resp: 552

Ion Ratio Lower Upper

94 100

96 79.2 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

400

300

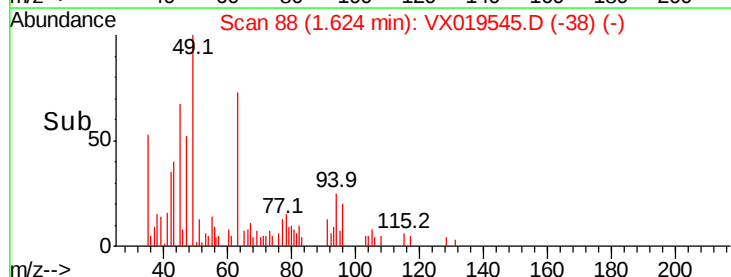
200

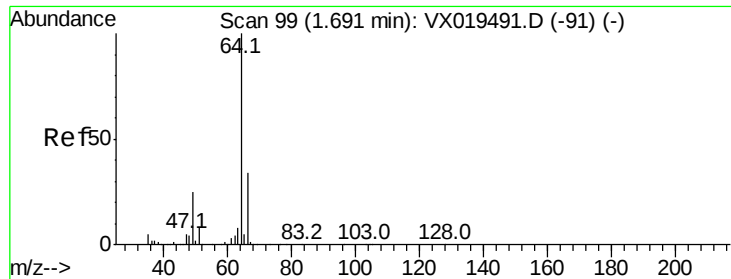
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 95

Delta R.T. -0.02 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampled :

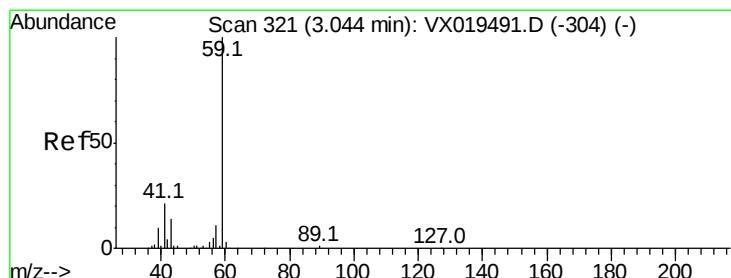
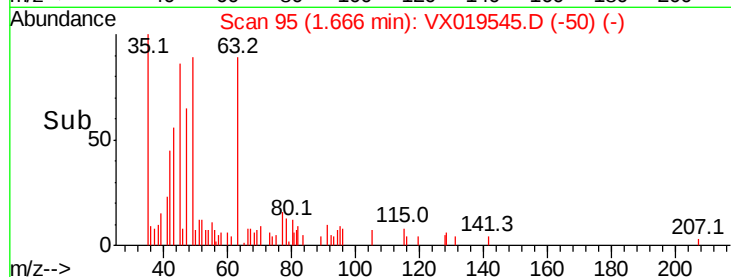
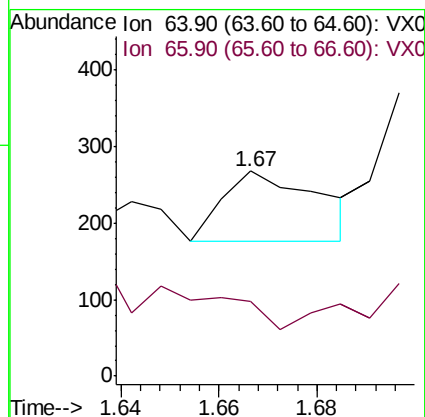
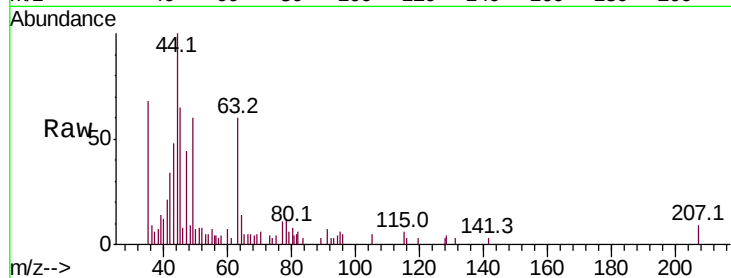
TRIP-BLANK

Tot Ion: 64 Resp: 123

Ion Ratio Lower Upper

64 100

66 3.3 27.1 40.7#



#11

Tert butyl alcohol

Concen: 14.972 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.05 min

Lab File: VX019545.D

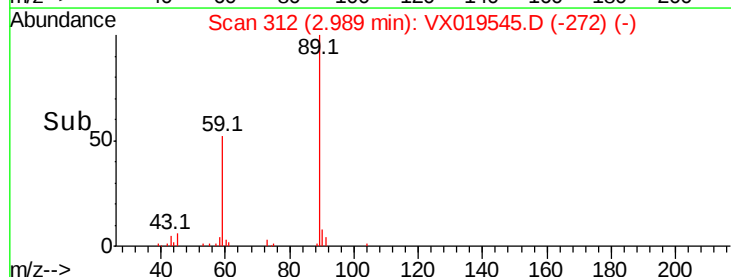
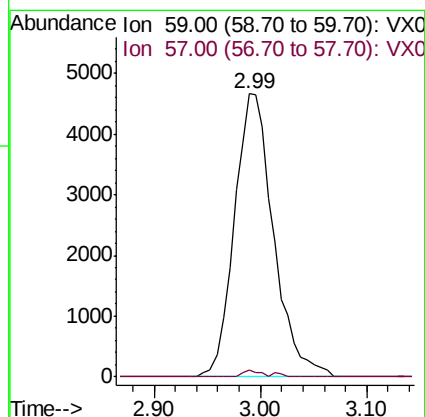
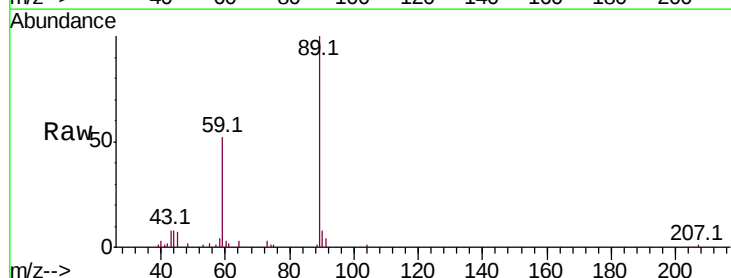
Acq: 23 Nov 2020 13:08

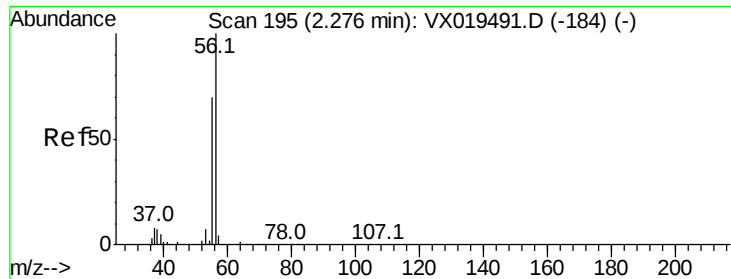
Tgt Ion: 59 Resp: 11997

Ion Ratio Lower Upper

59 100

57 1.0 7.9 11.9#





#13

Acrolein

Concen: 0.975 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampled :

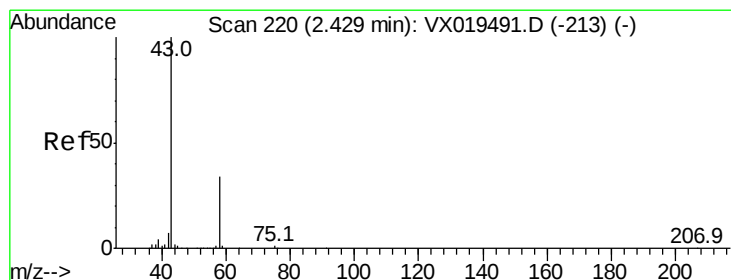
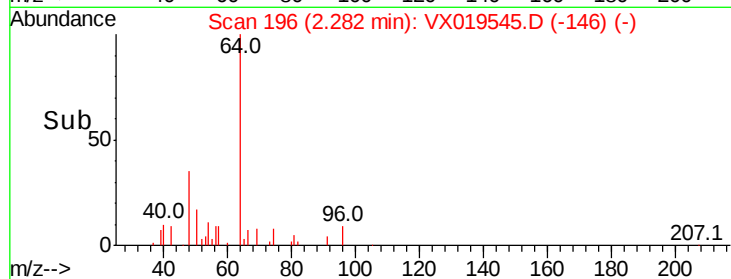
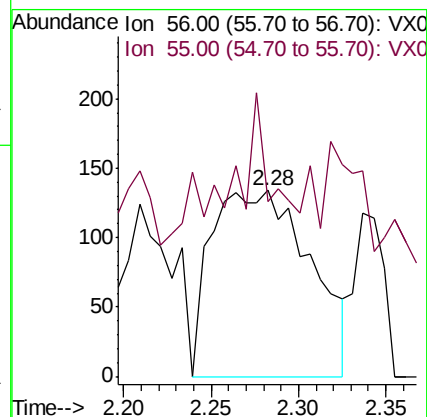
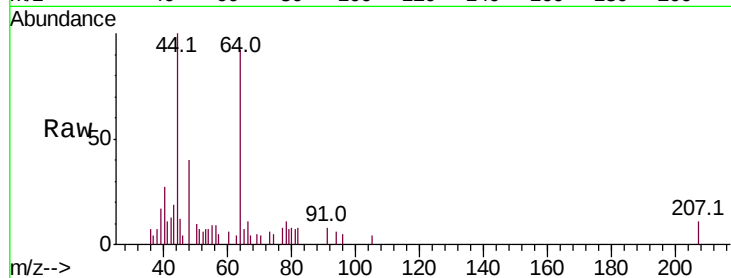
TRIP-BLANK

Tot Ion: 56 Resp: 525

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



#16

Acetone

Concen: 1.028 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX019545.D

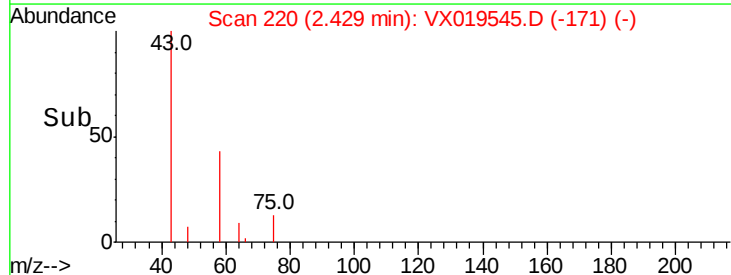
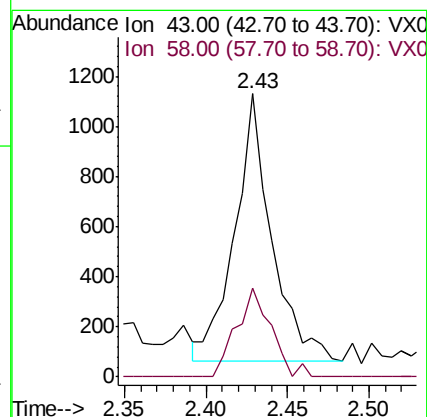
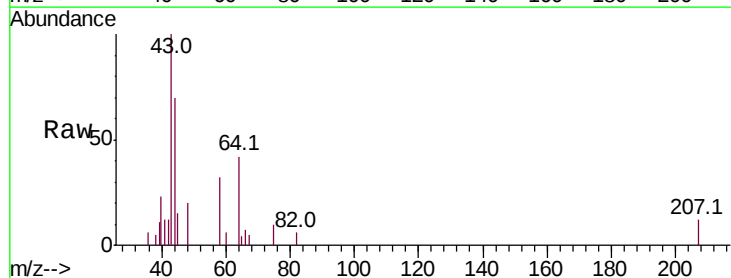
Acq: 23 Nov 2020 13:08

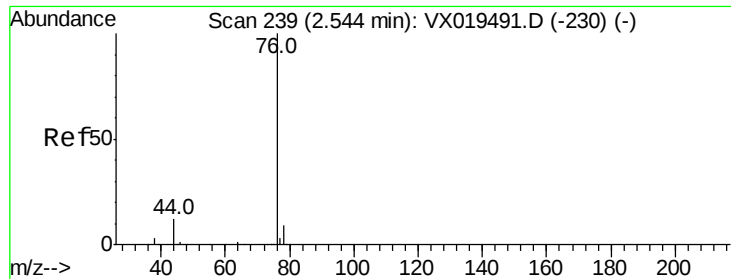
Tgt Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

58 33.4 27.4 41.2





#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampled :

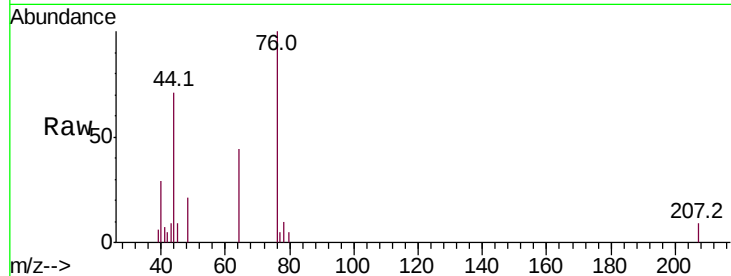
TRIP-BLANK

Tot Ion: 76 Resp: 1854

Ion Ratio Lower Upper

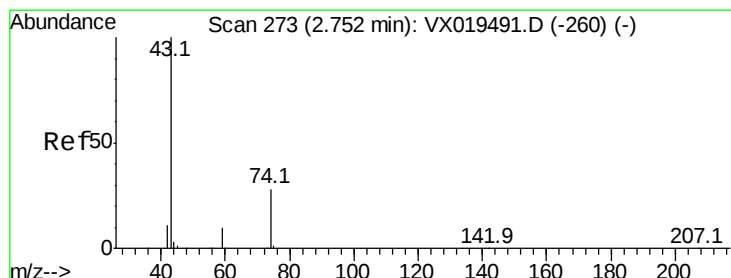
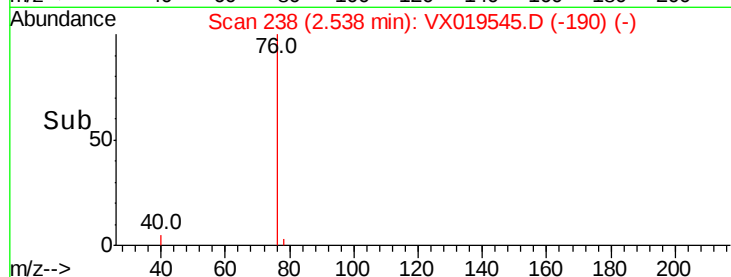
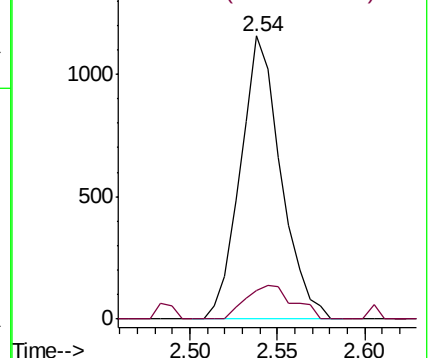
76 100

78 10.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.768 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019545.D

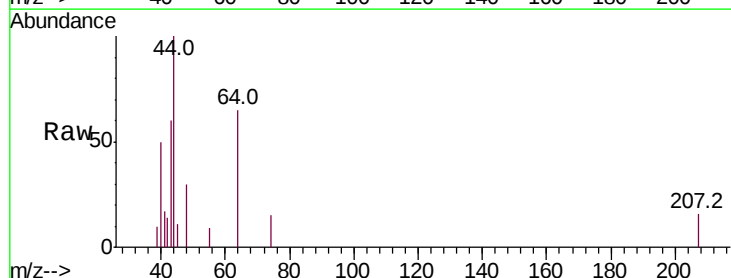
Acq: 23 Nov 2020 13:08

Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

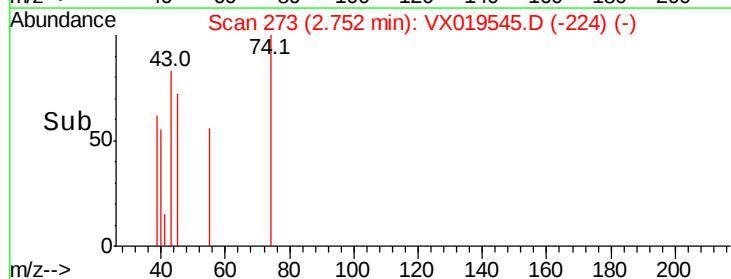
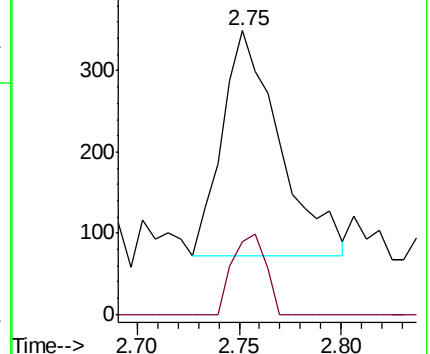
43 100

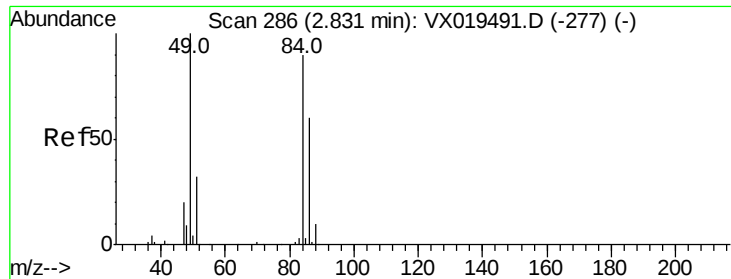
74 20.4 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

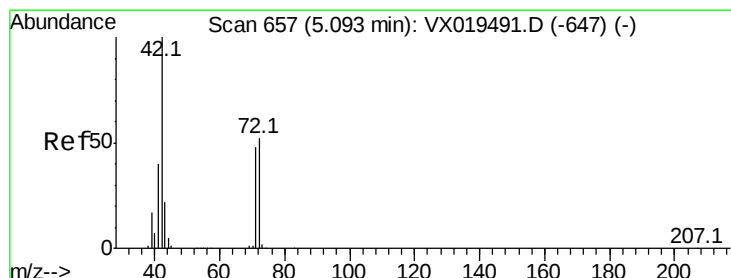
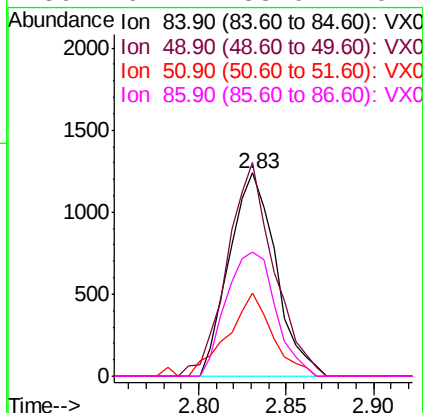
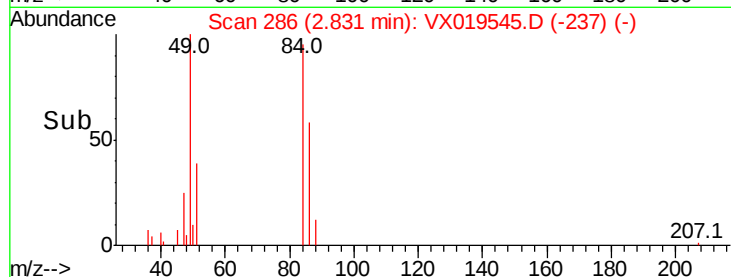
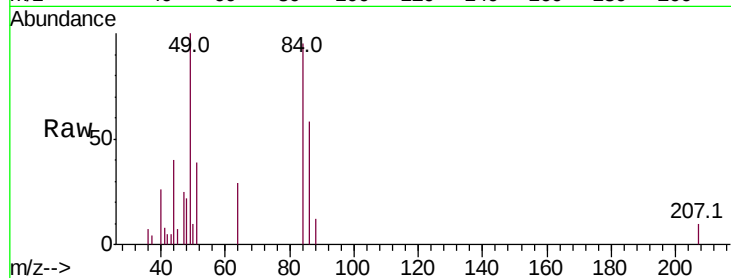




#20
Methvlene Chloride
Concen: 0.564 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019545.D
Acq: 23 Nov 2020 13:08

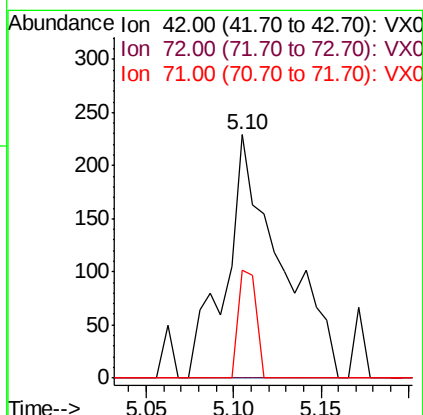
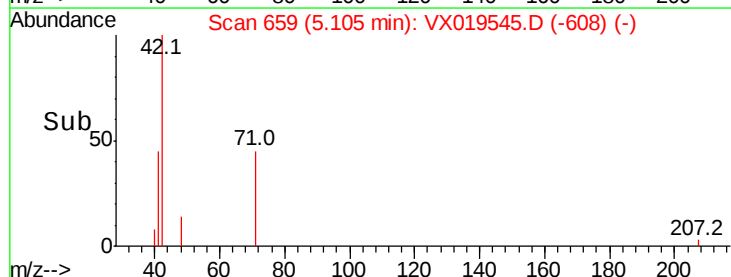
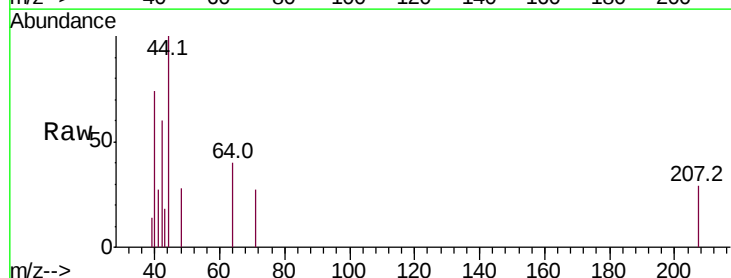
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

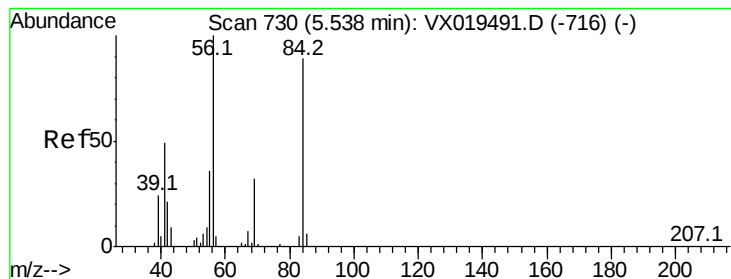
Tot Ion:	84	Resp:	2307
Ion	Ratio	Lower	Upper
84	100		
49	105.0	88.5	132.7
51	40.8	28.0	42.0
86	61.1	53.0	79.4



#29
Tetrahydrofuran
Concen: 0.321 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX019545.D
Acq: 23 Nov 2020 13:08

Tgt Ion:	42	Resp:	503
Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.6	63.8#
71	14.5	39.0	58.6#





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

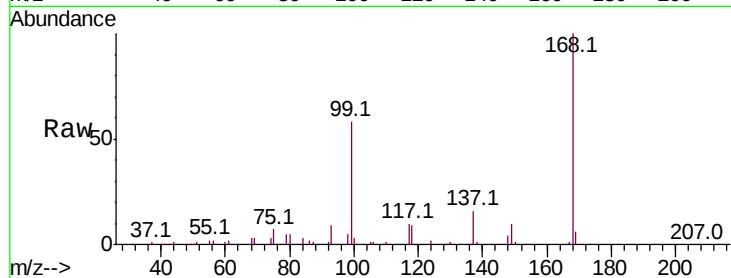
Tot Ion: 56 Resp: 6485

Ion Ratio Lower Upper

56 100

69 161.8 25.5 38.3#

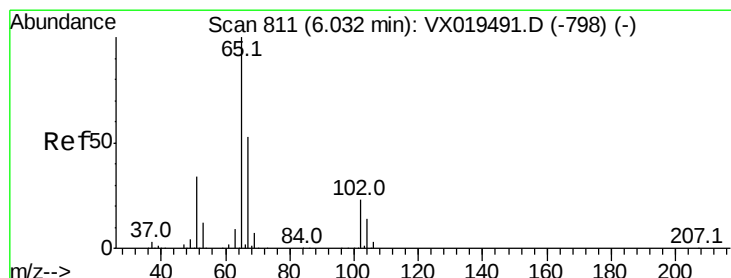
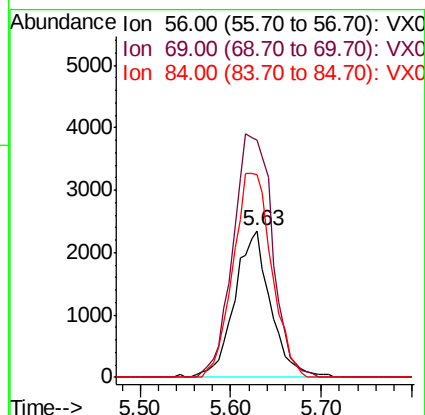
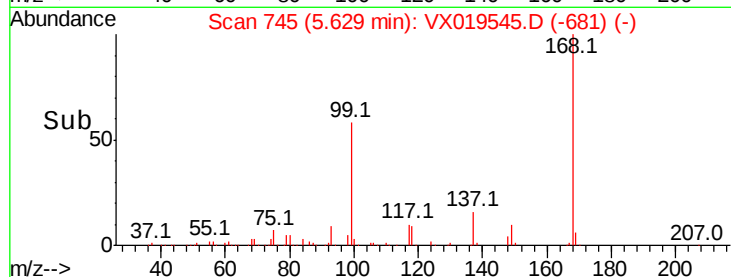
84 137.9 71.1 106.7#



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: 45.243 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019545.D

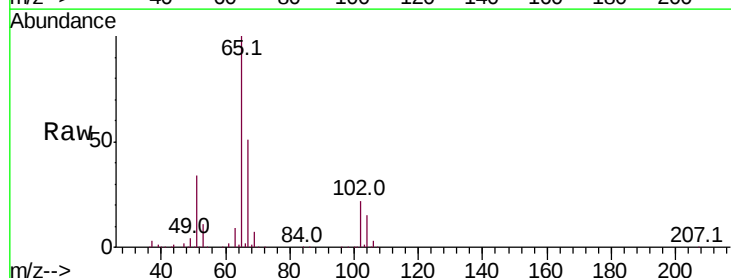
Acq: 23 Nov 2020 13:08

Tgt Ion: 65 Resp: 191566

Ion Ratio Lower Upper

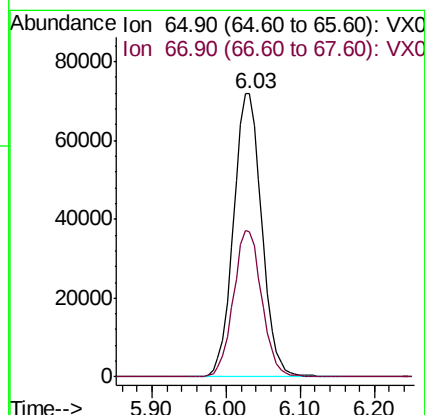
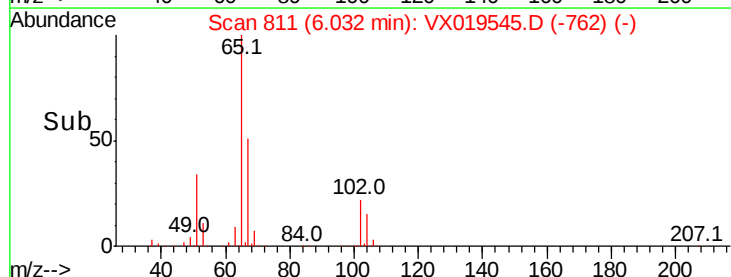
65 100

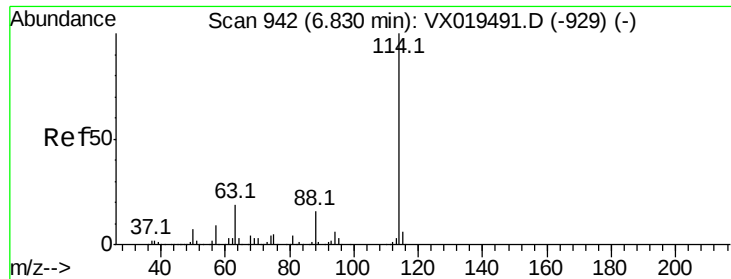
67 51.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

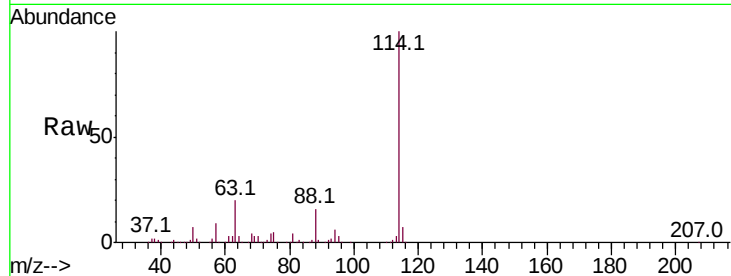




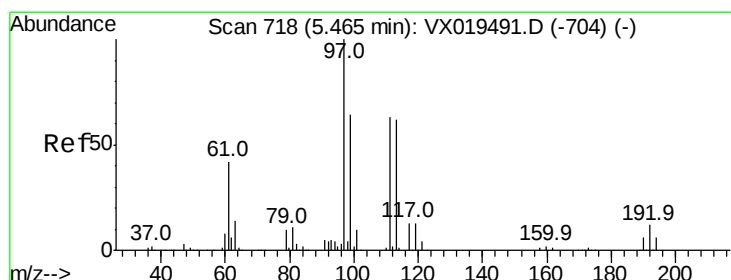
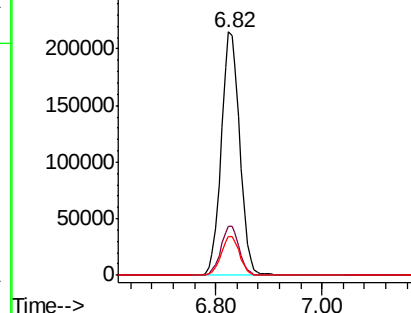
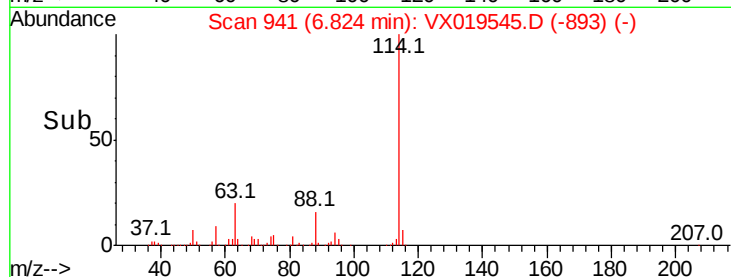
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019545.D
 Acq: 23 Nov 2020 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.8
88	16.2	0.0	31.6

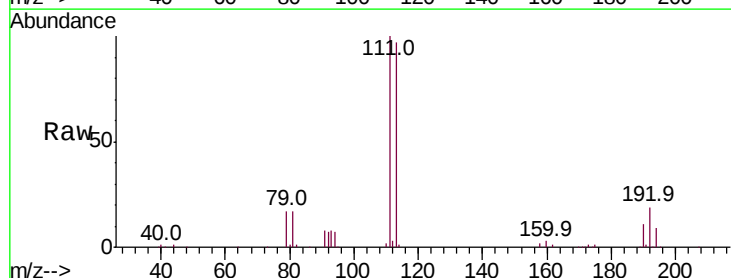


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

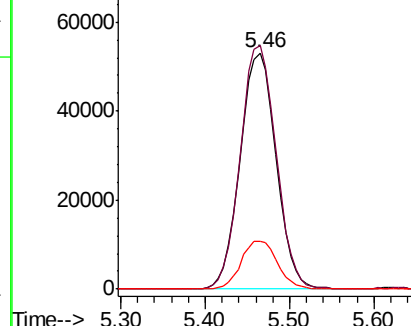
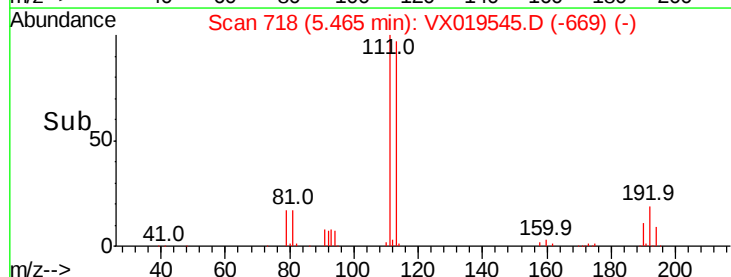


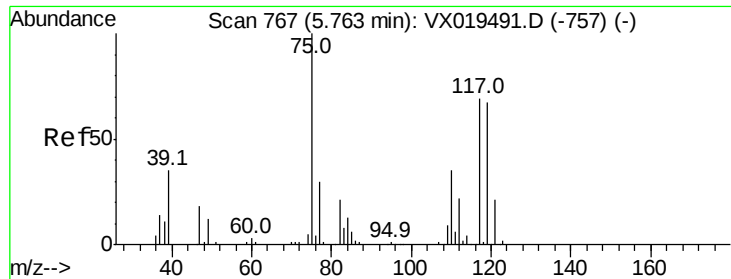
#35
 Dibromofluoromethane
 Concen: 46.792 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019545.D
 Acq: 23 Nov 2020 13:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	20.6	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

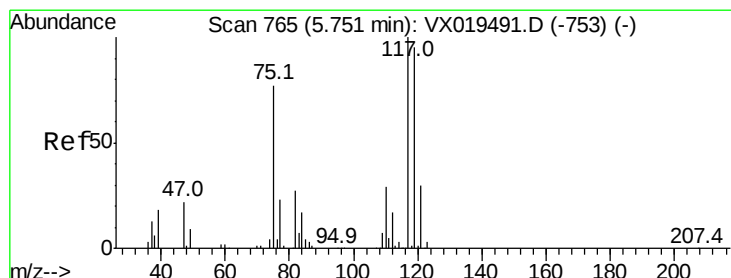
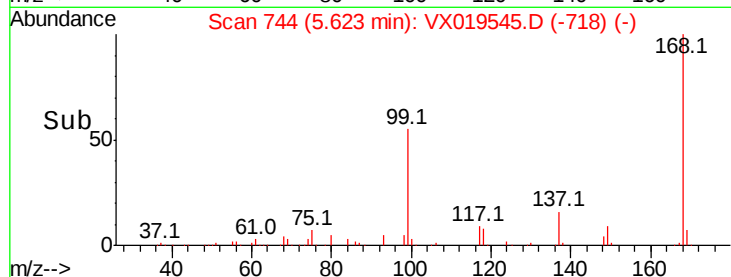
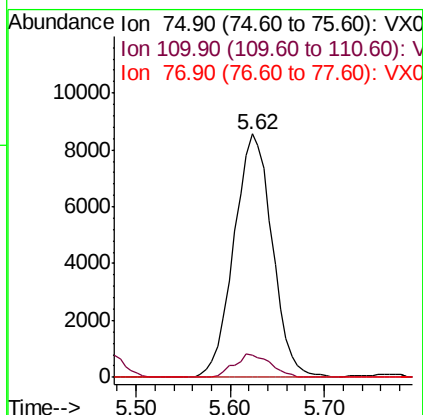
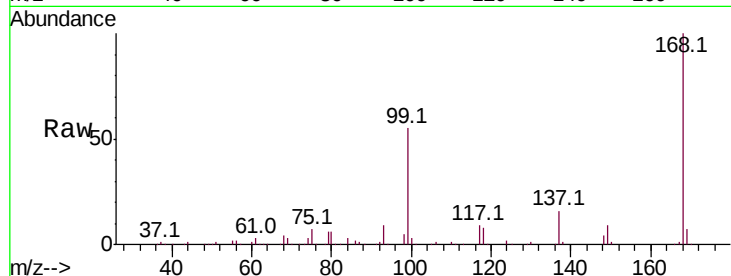




#36
 1,1-Dichloropropene
 Concen: 4.933 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019545.D
 Acq: 23 Nov 2020 13:08

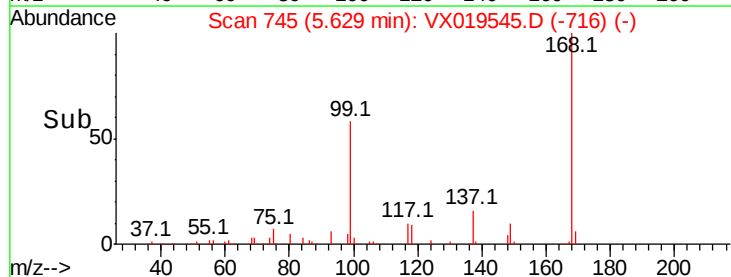
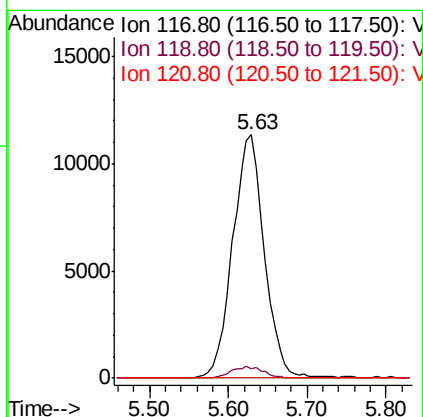
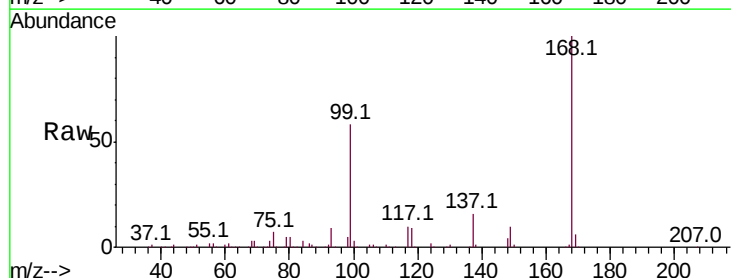
Instrument :
 MSVOA_X
 ClientSampled :
 TRIP-BLANK

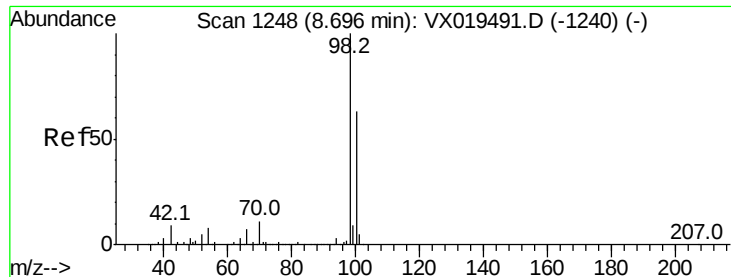
Tot Ion: 75 Resp: 24181
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.671 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019545.D
 Acq: 23 Nov 2020 13:08

Tgt Ion: 117 Resp: 31652
 Ion Ratio Lower Upper
 117 100
 119 3.7 75.9 113.9#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.704 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

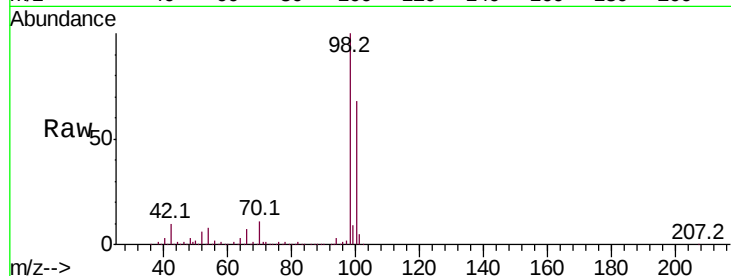
TRIP-BLANK

Tot Ion: 98 Resp: 608366

Ion Ratio Lower Upper

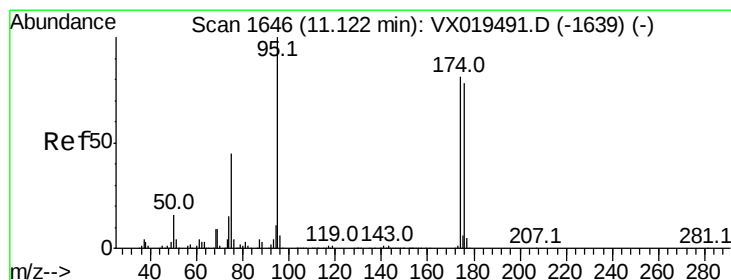
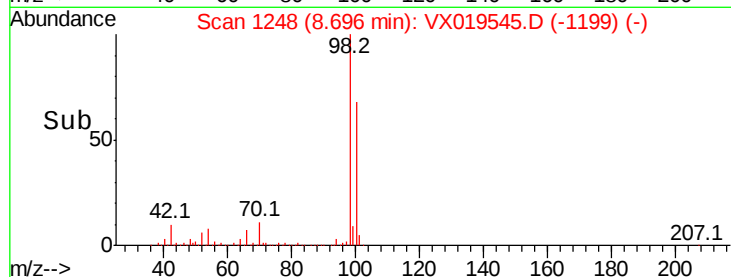
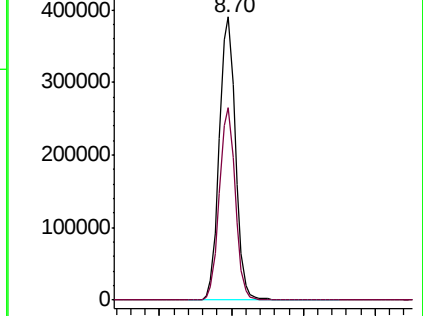
98 100

100 67.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.907 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

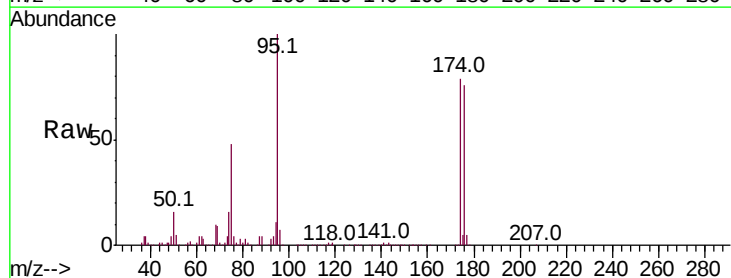
Tgt Ion: 95 Resp: 210636

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.2

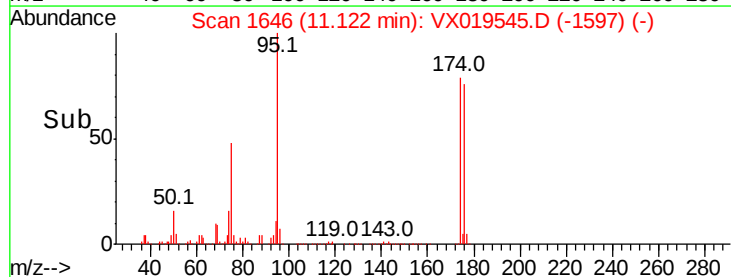
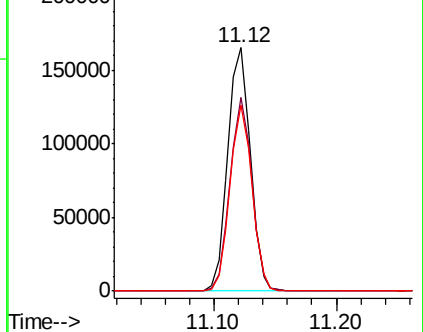
176 74.4 0.0 151.4

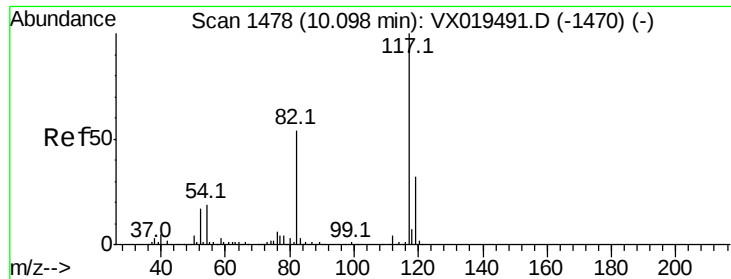


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

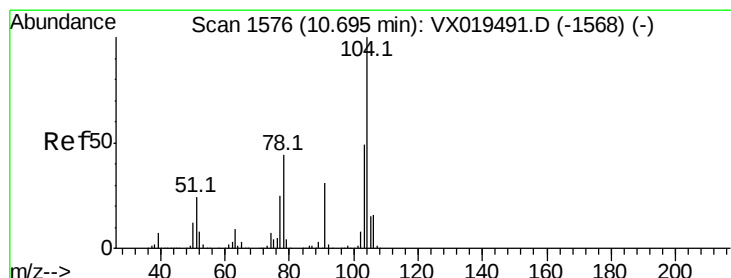
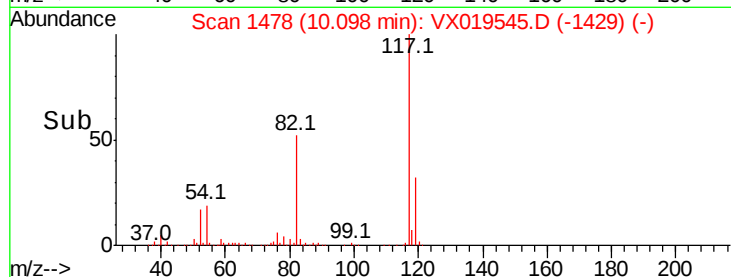
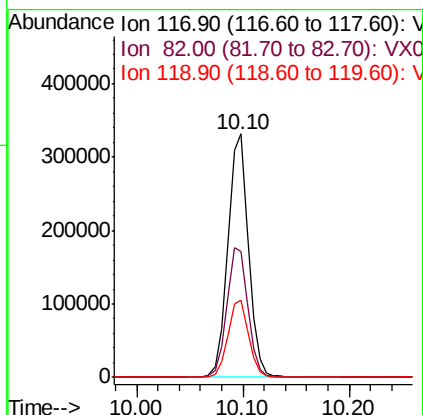
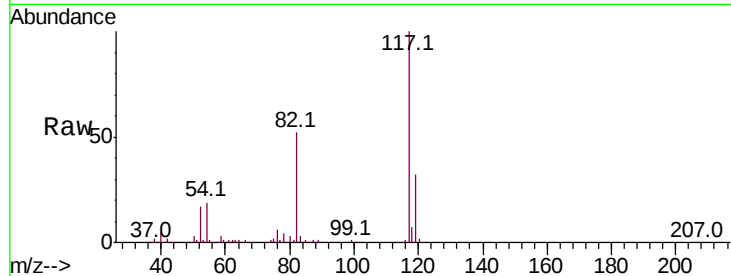




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019545.D
Acq: 23 Nov 2020 13:08

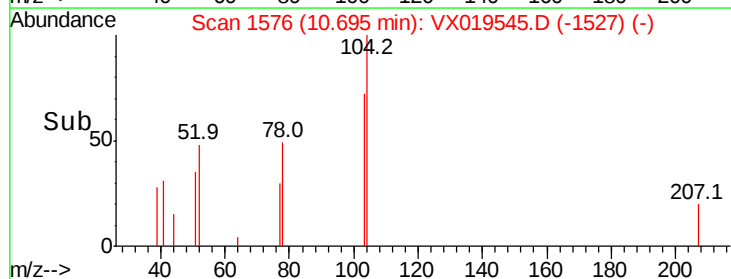
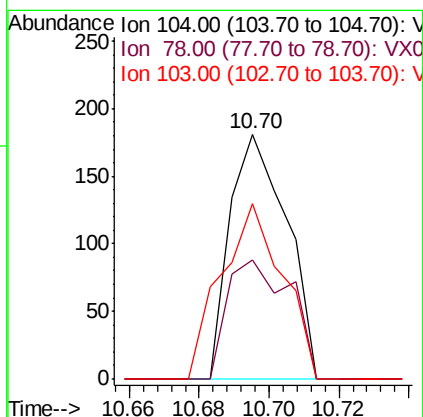
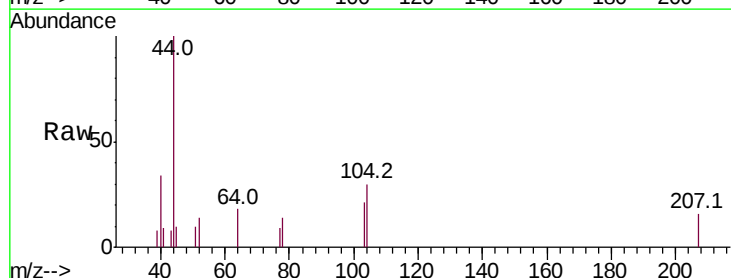
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

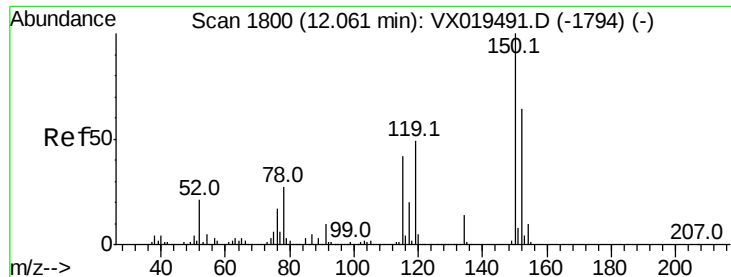
Tot Ion:117 Resp: 450955
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 31.8 25.6 38.4



#70
Styrene
Concen: 1.664 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019545.D
Acq: 23 Nov 2020 13:08

Tgt Ion:104 Resp: 204
Ion Ratio Lower Upper
104 100
78 53.9 39.5 59.3
103 77.5 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

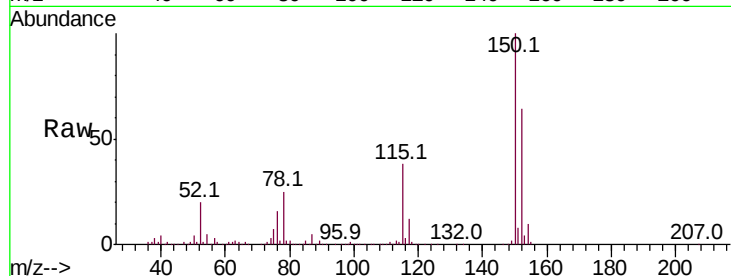
Tot Ion:152 Resp: 195105

Ion Ratio Lower Upper

152 100

115 59.6 41.8 125.4

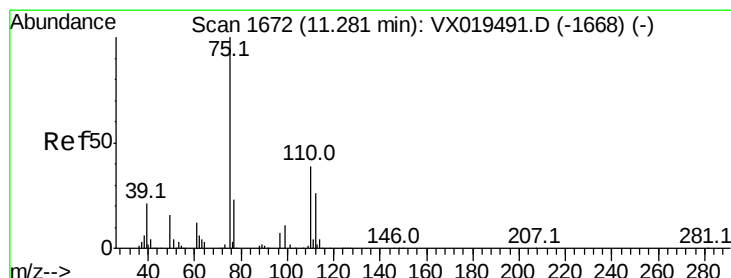
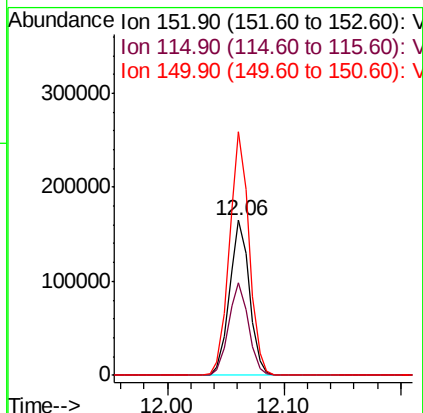
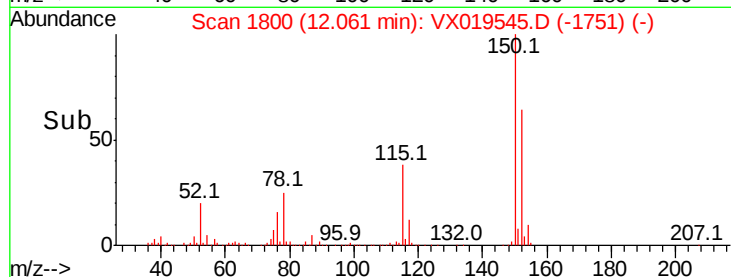
150 155.5 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019545.D

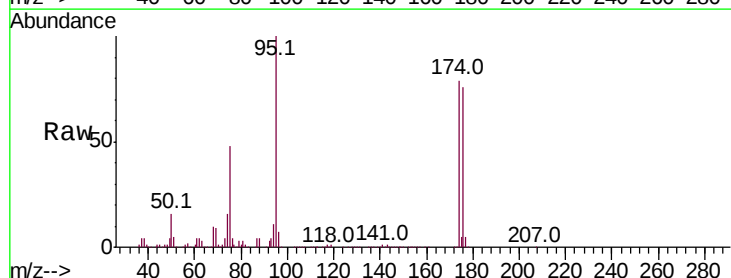
Acq: 23 Nov 2020 13:08

Tgt Ion: 75 Resp: 101751

Ion Ratio Lower Upper

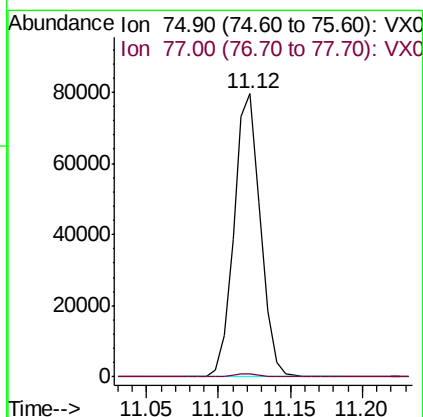
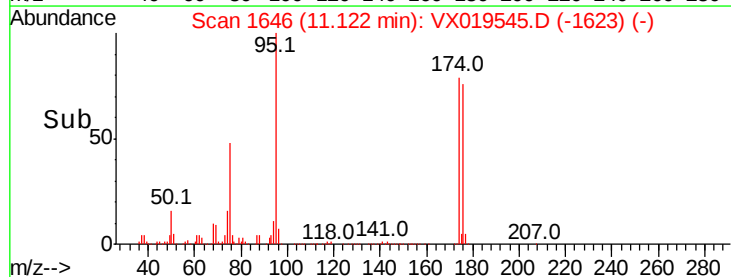
75 100

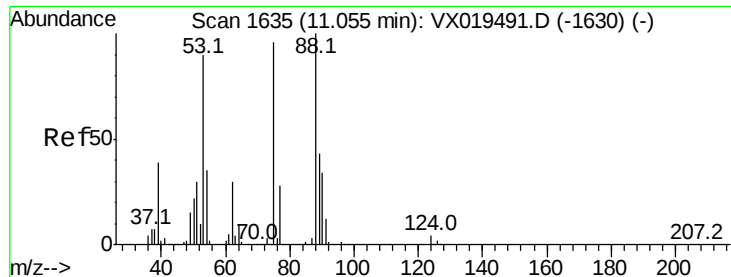
77 1.1 20.0 60.0#



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: 63.313 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

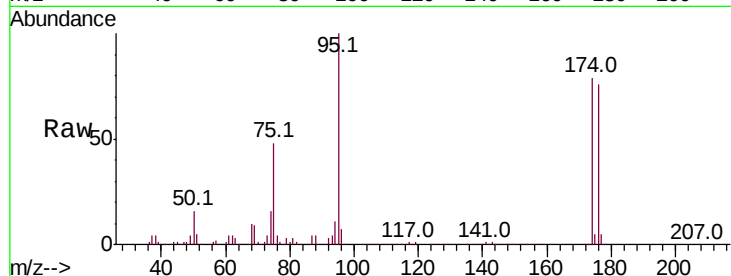
Tot Ion: 75 Resp: 101751

Ion Ratio Lower Upper

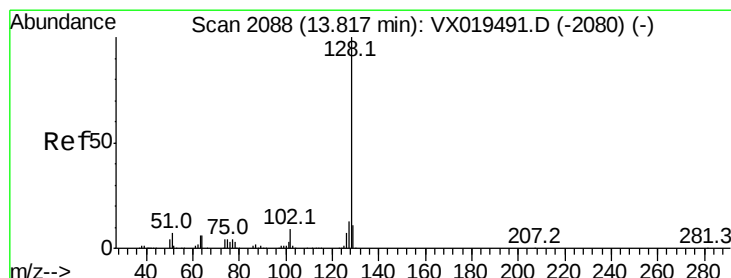
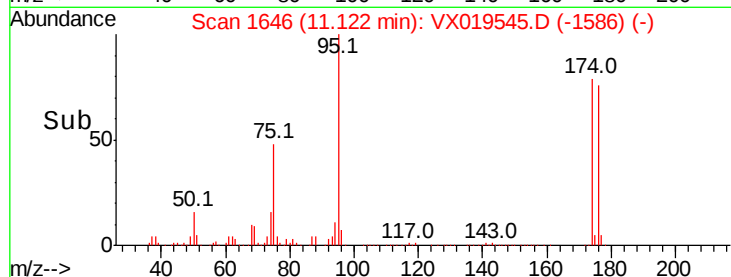
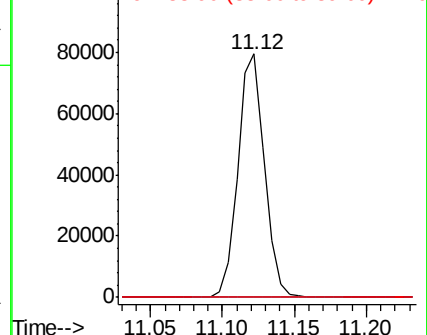
75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#



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



#95

Naphthalene

Concen: 2.232 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019545.D

Acq: 23 Nov 2020 13:08

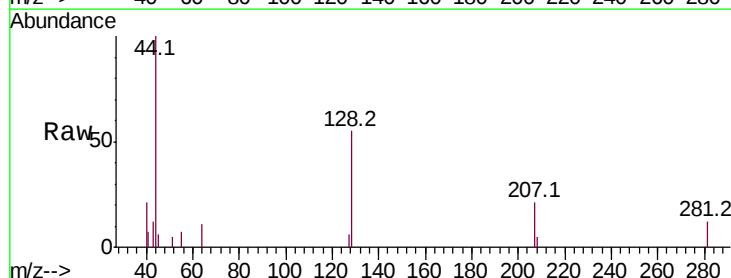
Tgt Ion:128 Resp: 815

Ion Ratio Lower Upper

128 100

127 8.0 10.3 15.5#

129 2.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

