

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019727.D
 Acq On : 04 Dec 2020 19:17
 Operator : JC/MD
 Sample : L4960-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 05 03:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	332506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	549040	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	492439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	205595	47.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.10%
35) Dibromofluoromethane	5.46	113	166370	46.89	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.78%
50) Toluene-d8	8.70	98	662100	48.88	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.76%
62) 4-Bromofluorobenzene	11.12	95	228683	44.35	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.70%

Target Compounds

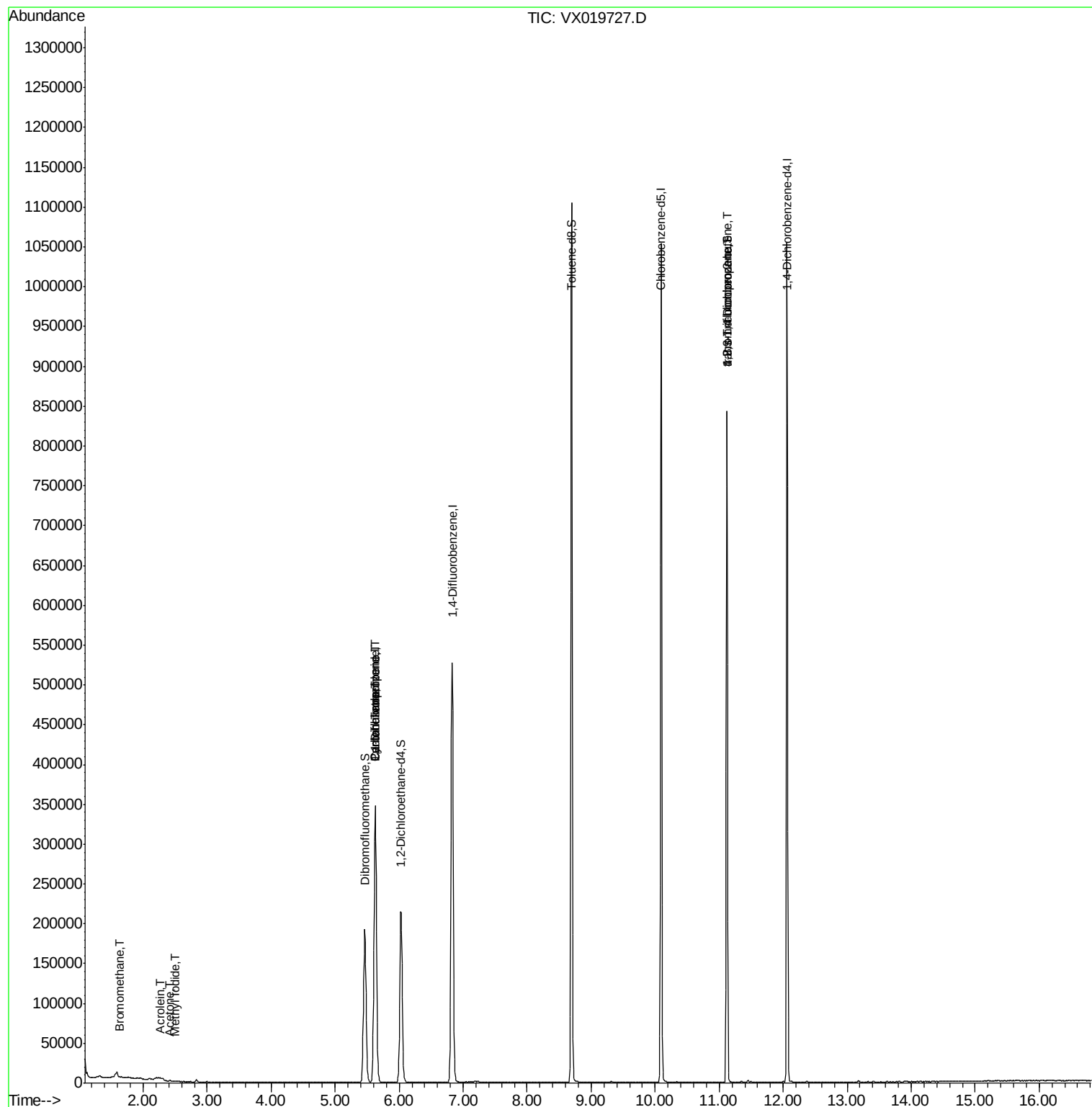
					Qvalue	
5) Bromomethane	1.63	94	687	0.548	ug/l	96
10) Methyl Iodide	2.49	142	890	0.200	ug/l #	92
11) Tert butyl alcohol	2.99	59	476	Below Cal	#	73
13) Acrolein	2.27	56	168	0.348	ug/l #	14
16) Acetone	2.42	43	1663	1.012	ug/l #	86
20) Methylene Chloride	2.84	84	1306	Below Cal	#	89
31) Cyclohexane	5.63	56	6398	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25105	5.060	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32605	6.711	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	110770	23.053	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	110770	66.643	ug/l #	12

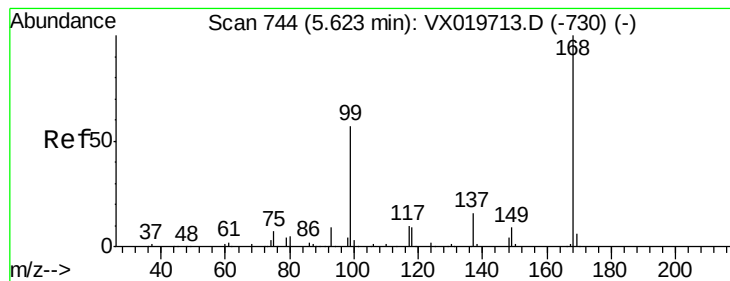
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
Data File : VX019727.D
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Sample : L4960-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Dec 05 03:50:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 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: VX019727.D

Acq: 04 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampled :

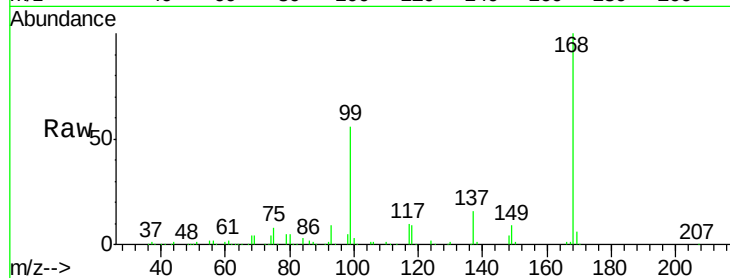
TRIP-BLANK

Tot Ion:168 Resp: 332506

Ion Ratio Lower Upper

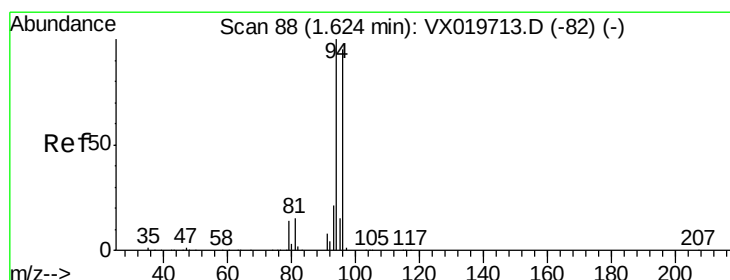
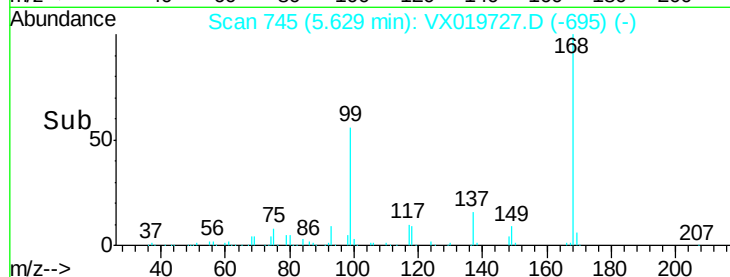
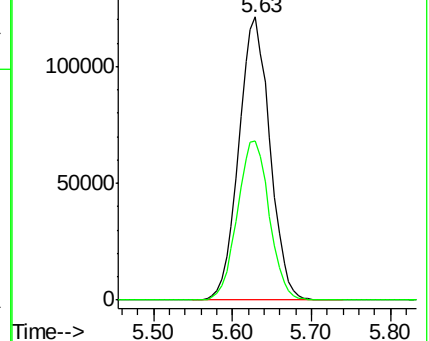
168 100

99 56.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.548 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019727.D

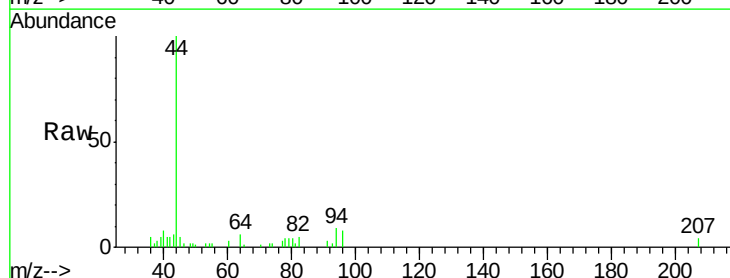
Acq: 04 Dec 2020 19:17

Tgt Ion: 94 Resp: 687

Ion Ratio Lower Upper

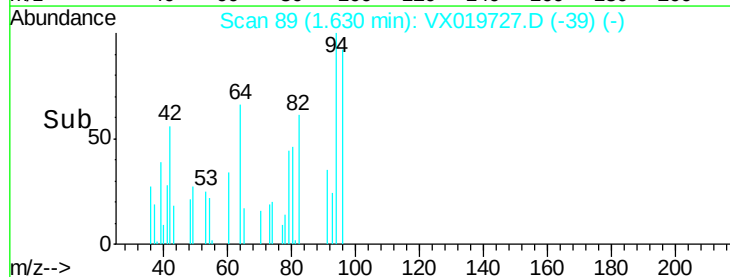
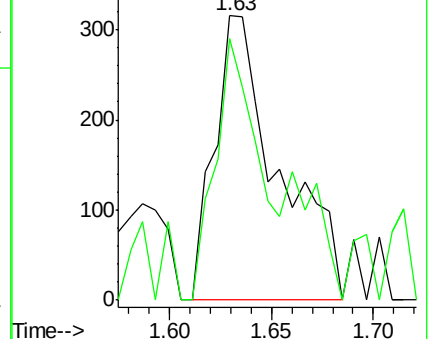
94 100

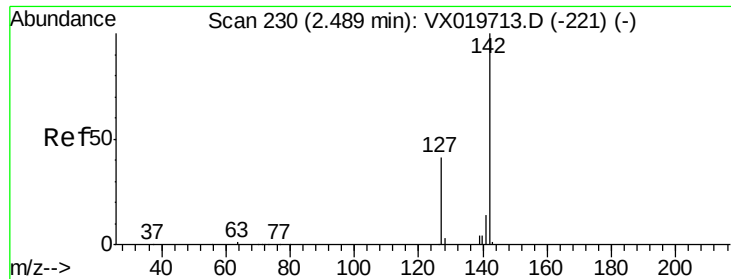
96 92.1 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

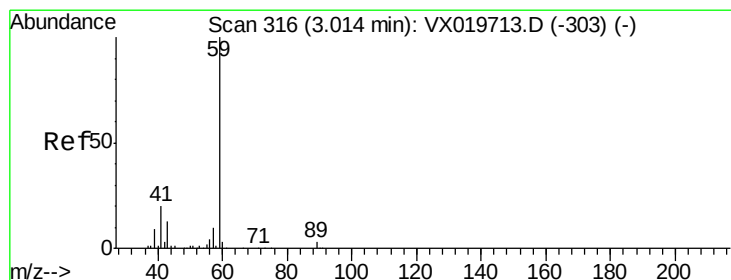
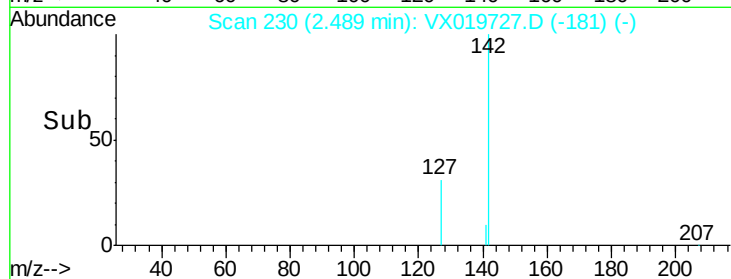
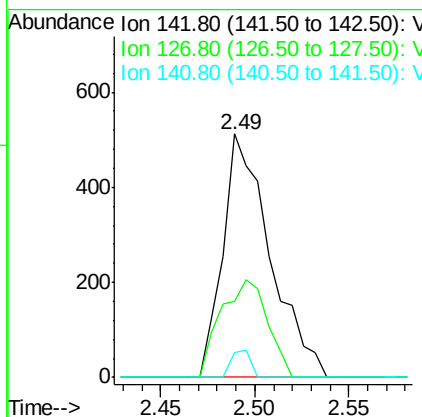
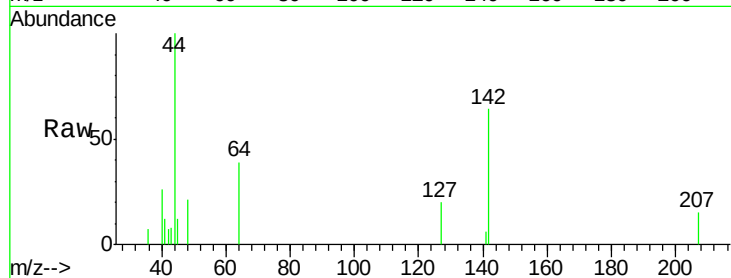




#10
Methvl Iodide
Concen: 0.200 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX019727.D
Acq: 04 Dec 2020 19:17

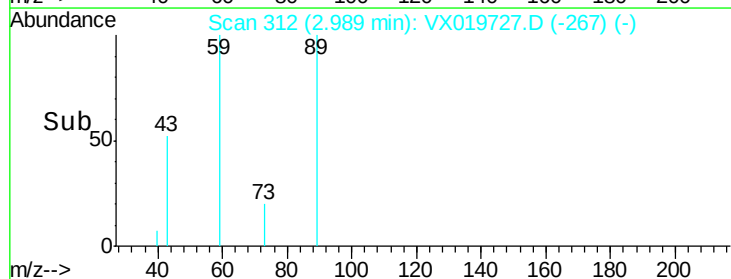
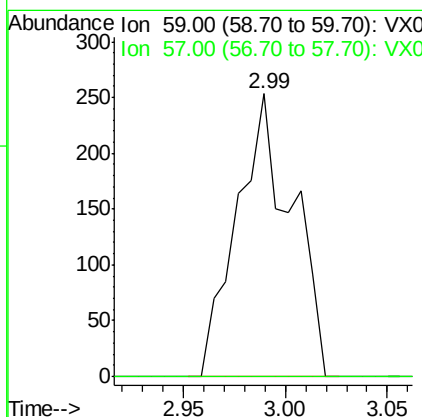
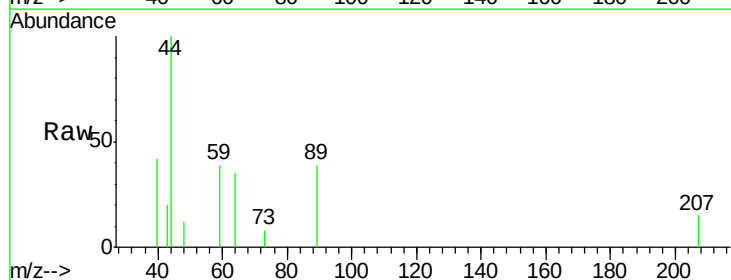
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

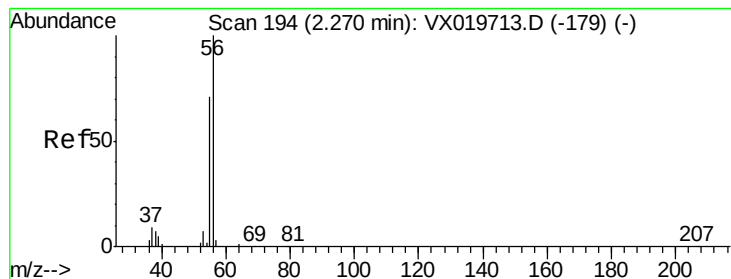
Tot Ion:142 Resp: 890
Ion Ratio Lower Upper
142 100
127 39.6 33.3 49.9
141 4.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019727.D
Acq: 04 Dec 2020 19:17

Tgt Ion: 59 Resp: 476
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.348 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019727.D

Acq: 04 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

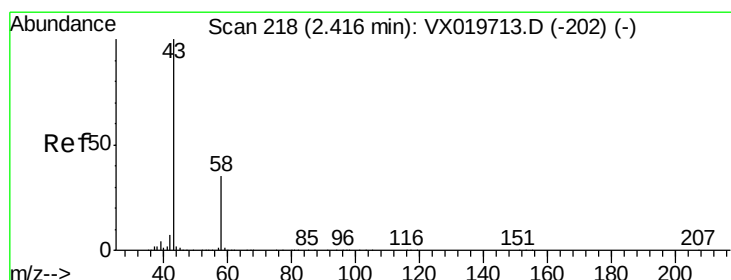
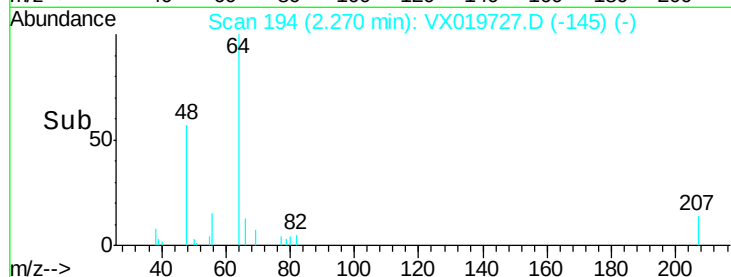
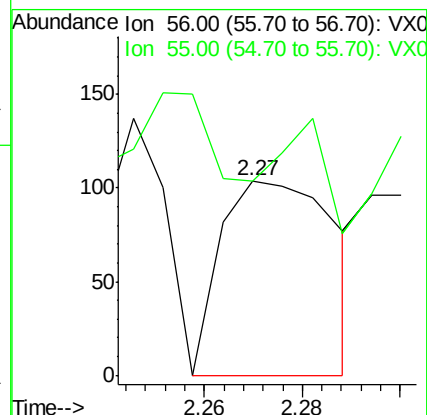
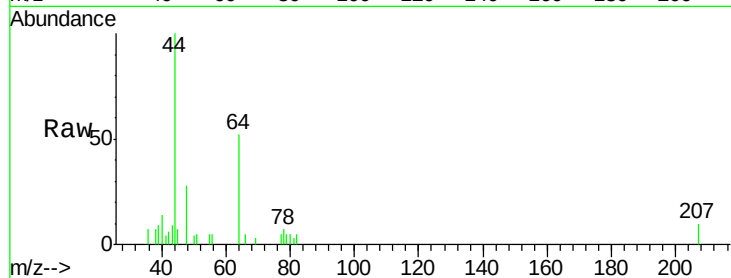
TRIP-BLANK

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 1.012 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019727.D

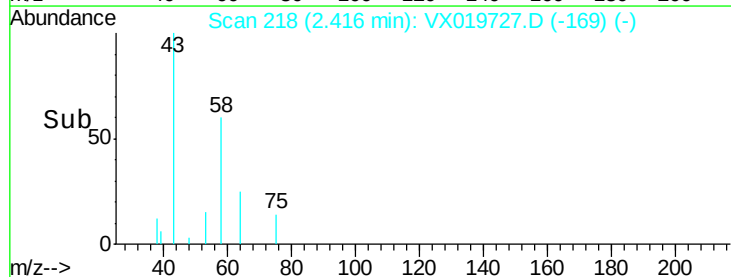
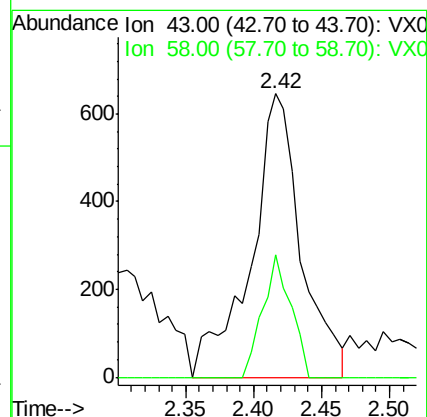
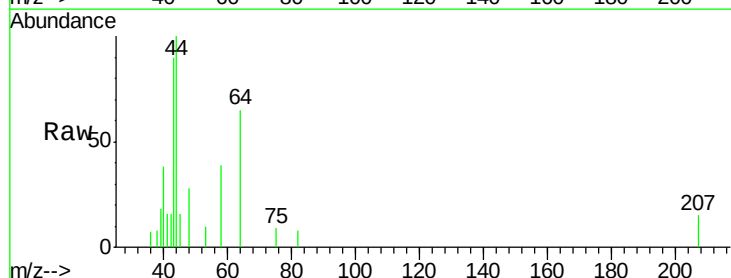
Acq: 04 Dec 2020 19:17

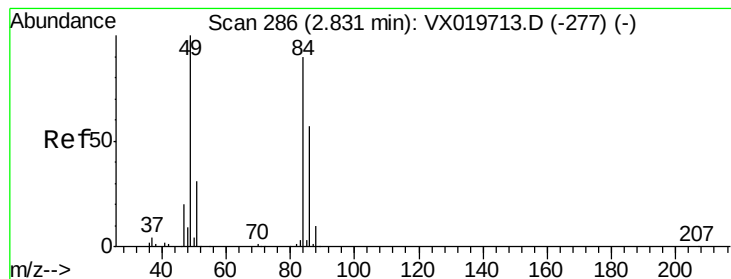
Tgt Ion: 43 Resp: 1663

Ion Ratio Lower Upper

43 100

58 43.2 27.8 41.8#



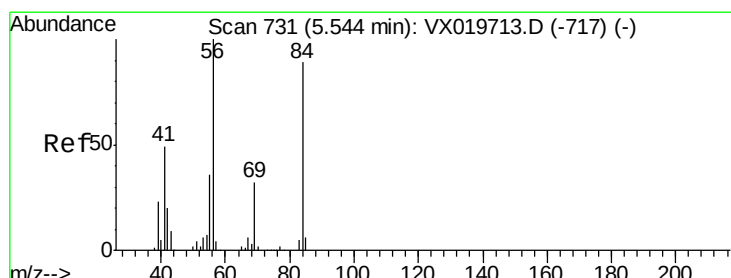
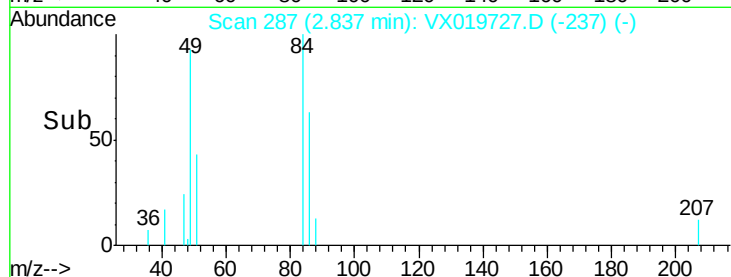
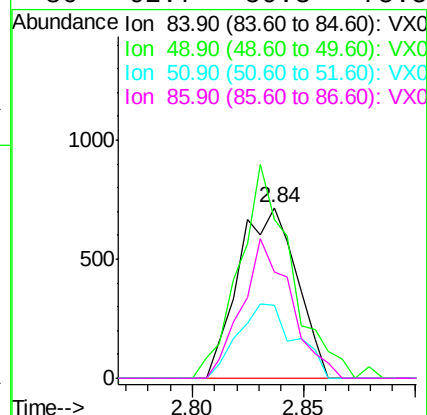
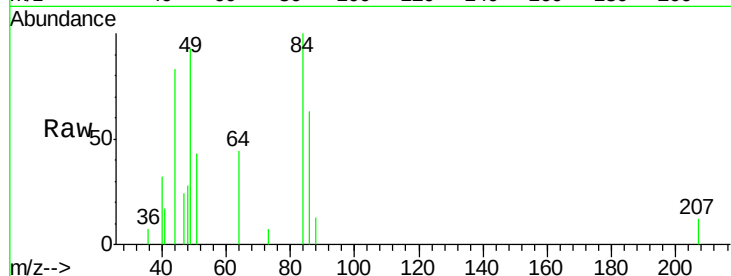


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.84 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VX019727.D
 Acq: 04 Dec 2020 19:17

Instrument :
 MSVOA_X
 ClientSampled :
 TRIP-BLANK

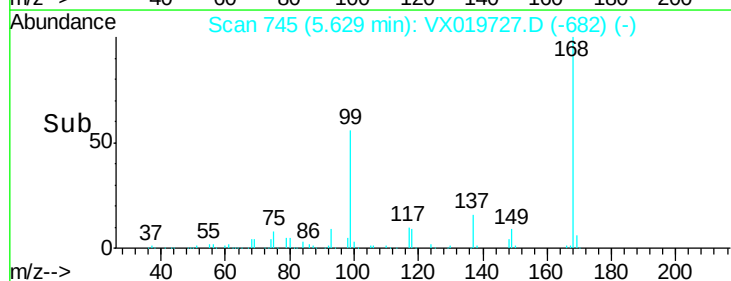
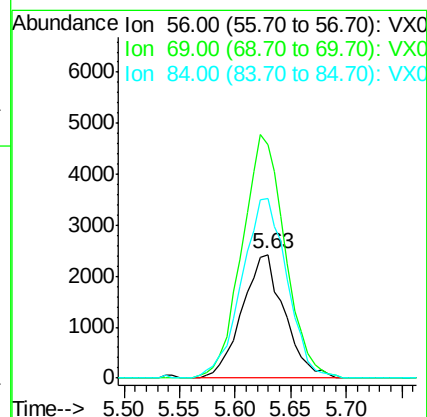
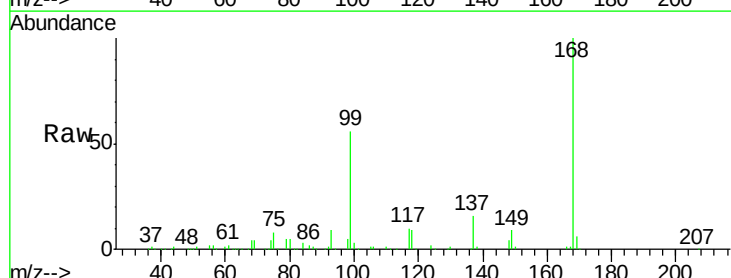
Tot Ion:	84	Resp:	1306
Ion	Ratio	Lower	Upper
84	100		
49	93.4	88.6	132.8
51	43.2	27.0	40.6#
86	62.7	50.3	75.5

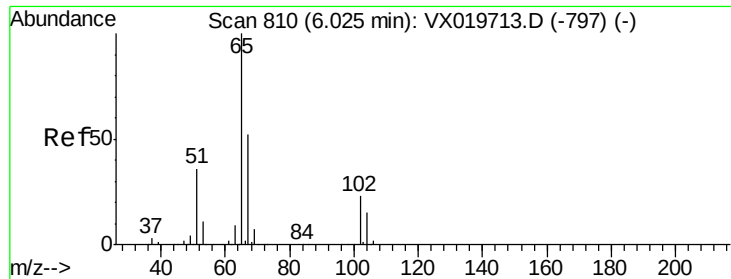


#31

Cyclohexane
 Concen: 1.177 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.09 min
 Lab File: VX019727.D
 Acq: 04 Dec 2020 19:17

Tgt Ion:	56	Resp:	6398
Ion	Ratio	Lower	Upper
56	100		
69	188.6	25.3	37.9#
84	145.2	71.4	107.0#

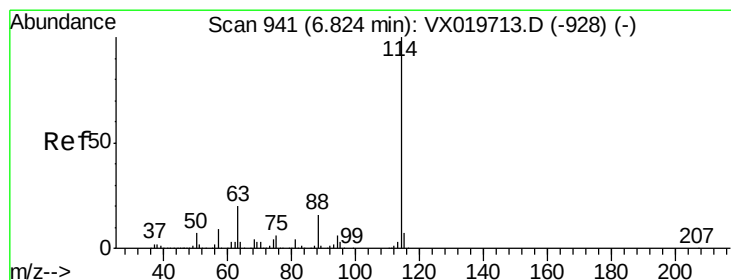
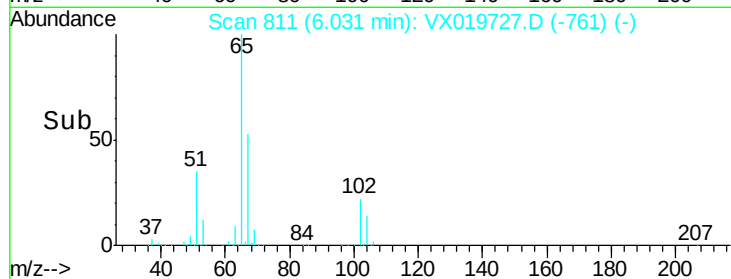
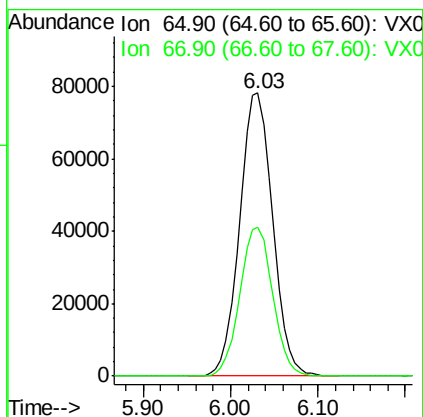
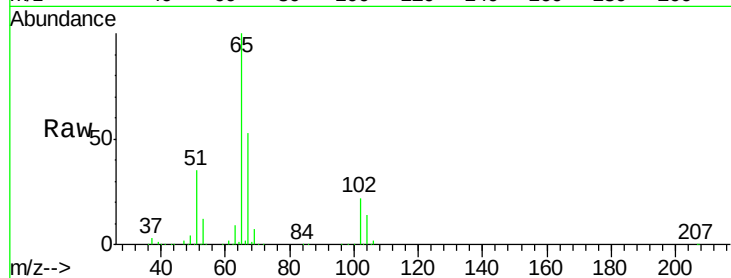




#33
 1,2-Dichloroethane-d4
 Concen: 47.046 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019727.D
 Acq: 04 Dec 2020 19:17

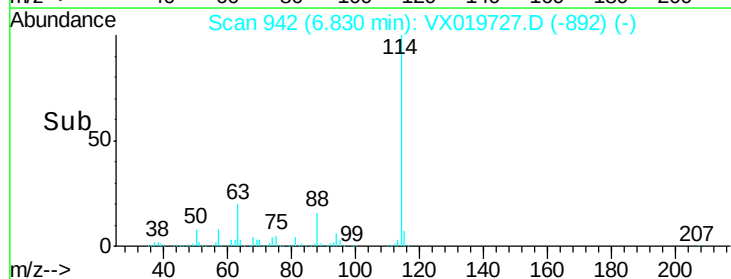
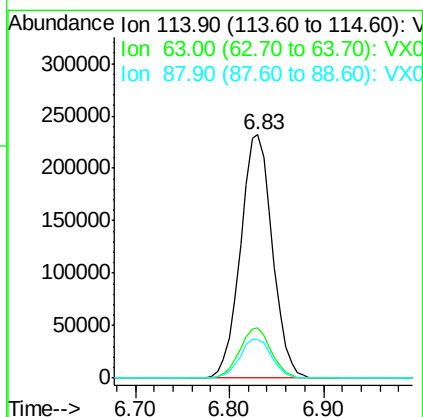
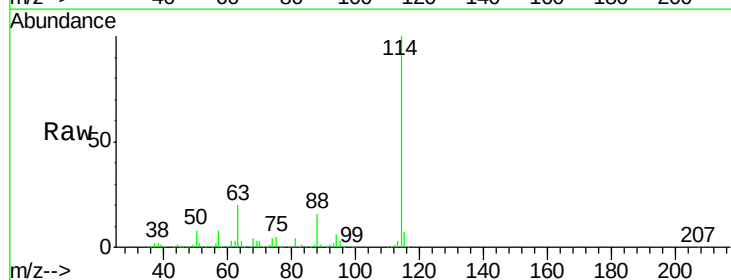
Instrument :
 MSVOA_X
 ClientSampleId :
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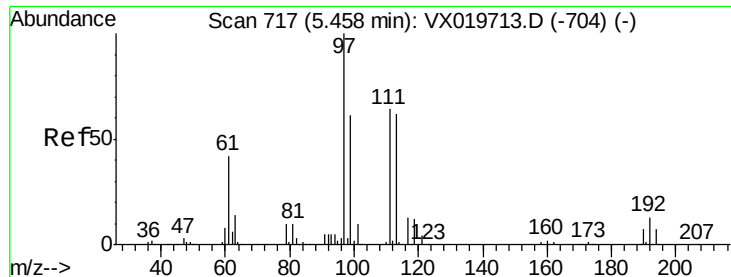
Tot Ion: 65 Resp: 205595
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019727.D
 Acq: 04 Dec 2020 19:17

Tgt Ion: 114 Resp: 549040
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.886 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019727.D

Acq: 04 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

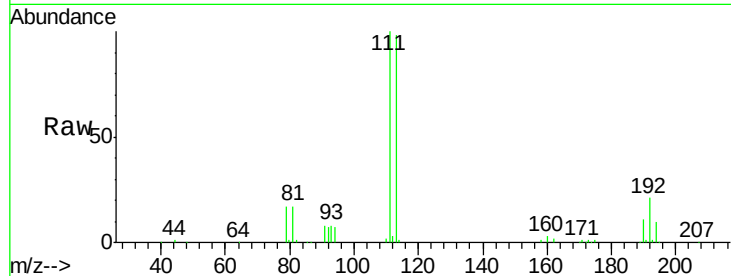
Tot Ion:113 Resp: 166370

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

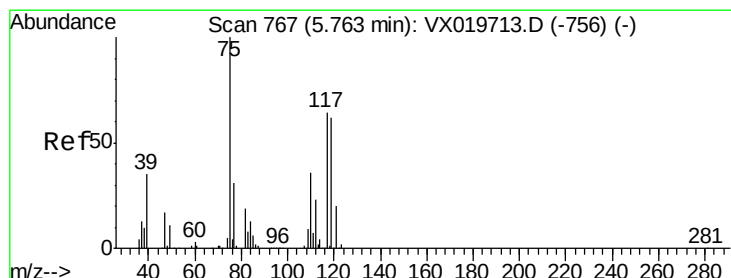
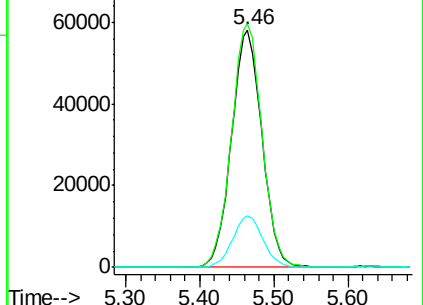
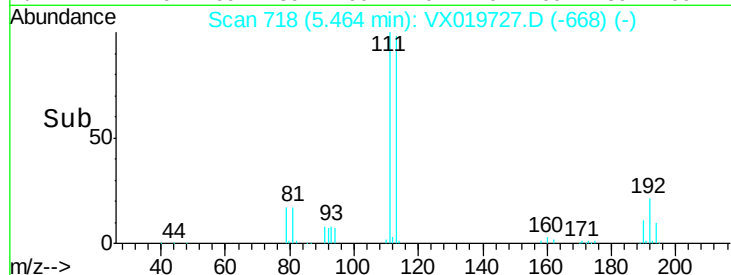
192 21.5 16.7 25.1



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: 5.060 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019727.D

Acq: 04 Dec 2020 19:17

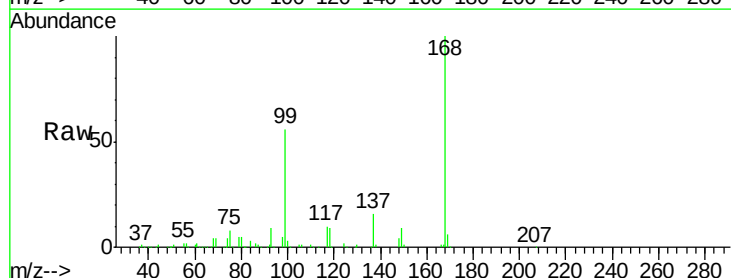
Tgt Ion: 75 Resp: 25105

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

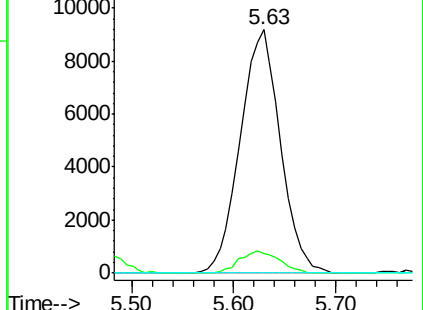
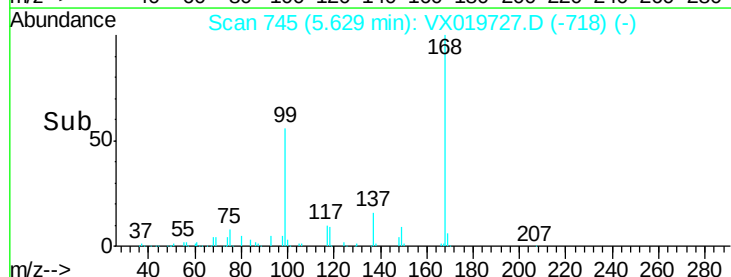
77 0.0 25.3 37.9#

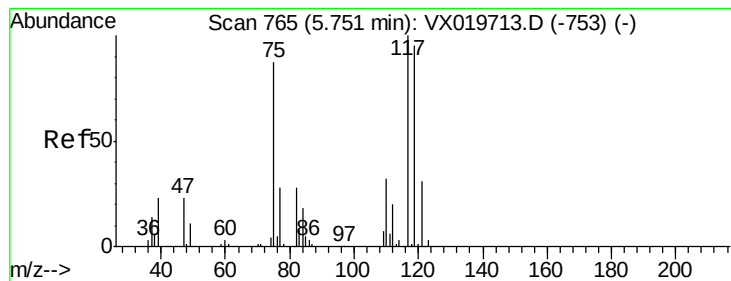


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.711 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019727.D

Acq: 04 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

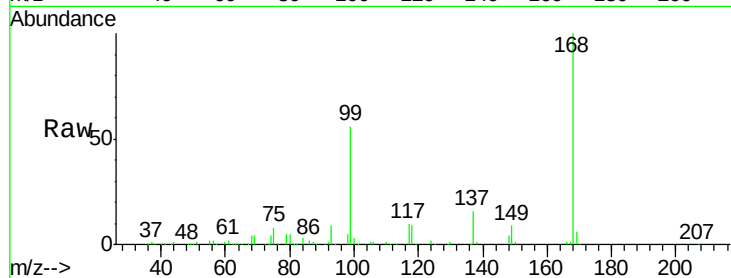
Tot Ion:117 Resp: 32605

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

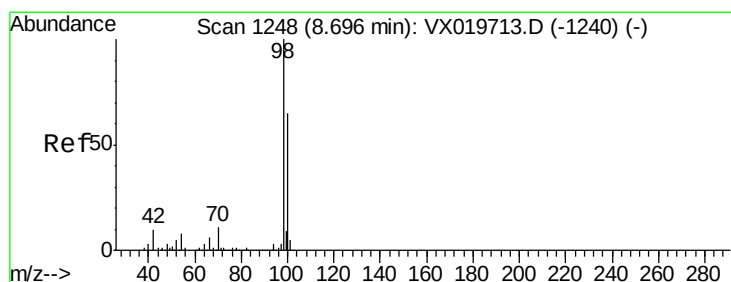
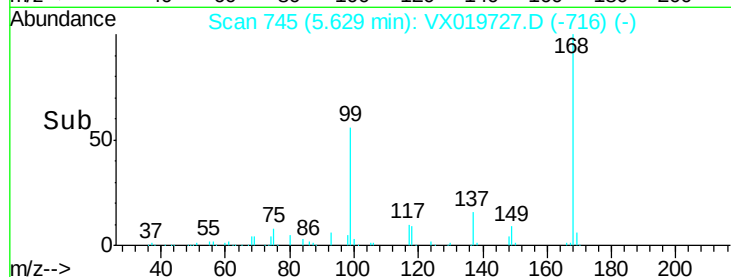
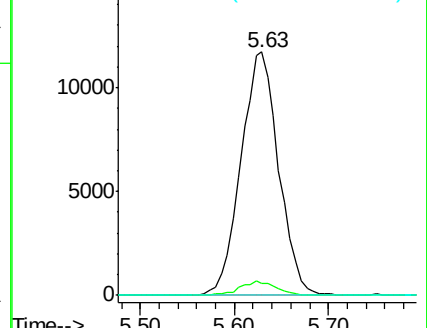
121 0.0 24.8 37.2#



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: 48.875 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019727.D

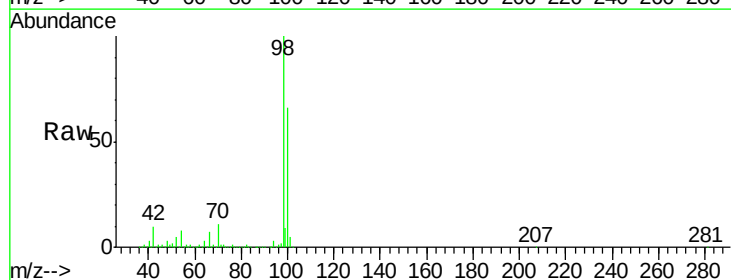
Acq: 04 Dec 2020 19:17

Tgt Ion: 98 Resp: 662100

Ion Ratio Lower Upper

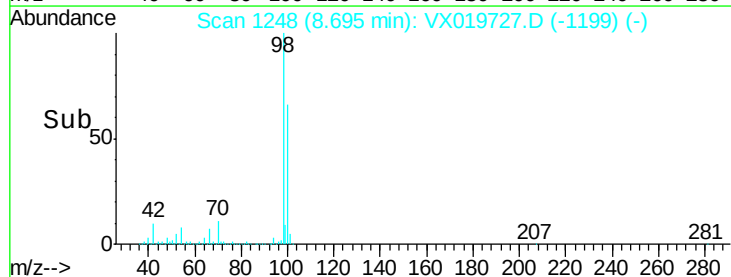
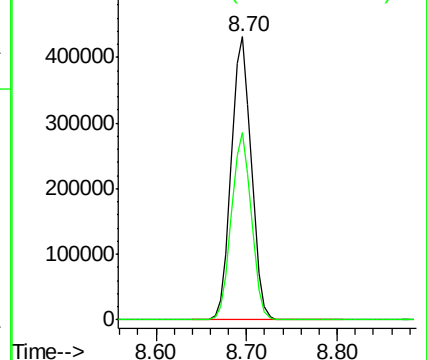
98 100

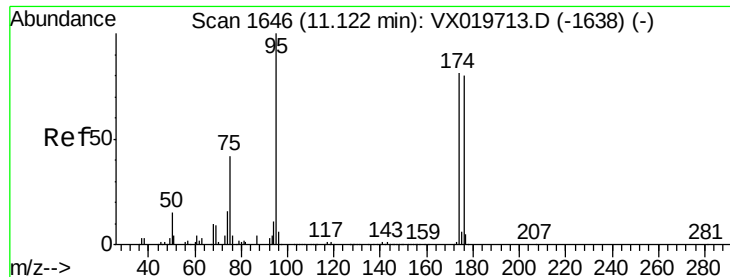
100 65.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

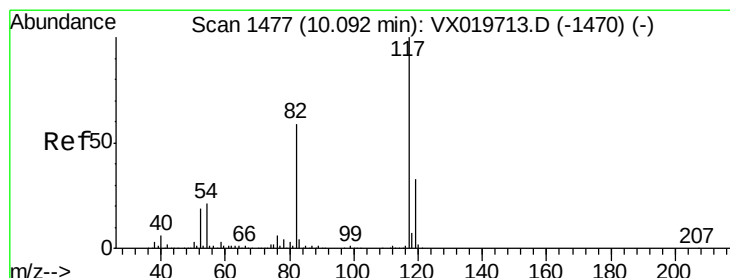
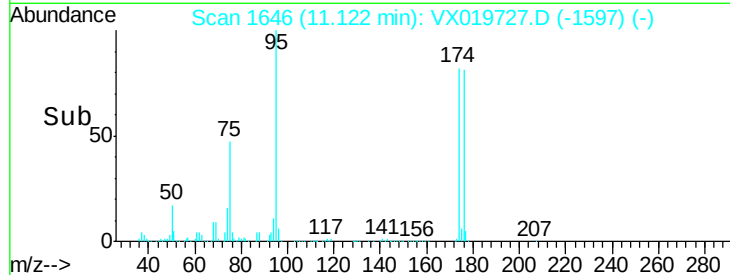
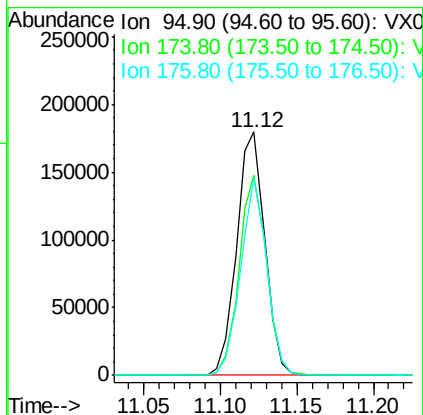
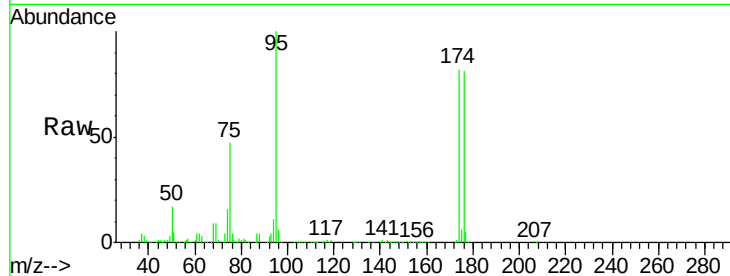




#62
4-Bromofluorobenzene
Concen: 44.352 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019727.D
Acq: 04 Dec 2020 19:17

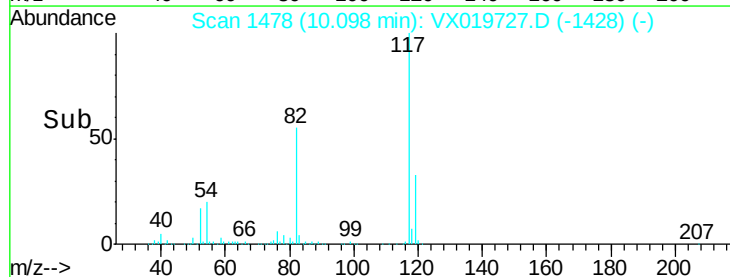
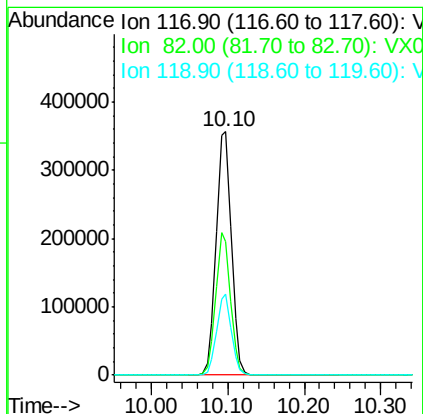
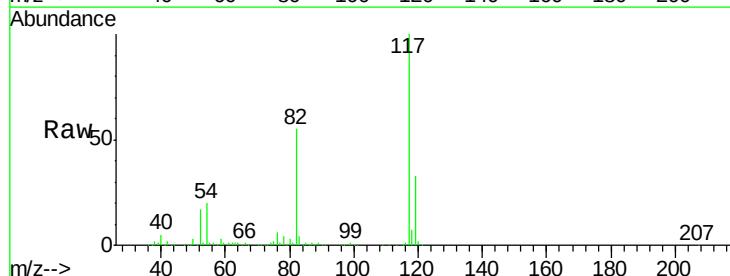
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

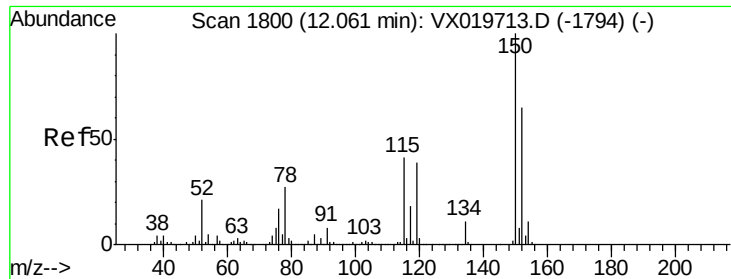
Tot Ion: 95 Resp: 228683
Ion Ratio Lower Upper
95 100
174 79.6 0.0 154.6
176 75.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019727.D
Acq: 04 Dec 2020 19:17

Tgt Ion: 117 Resp: 492439
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 33.1 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019727.D

Acq: 04 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

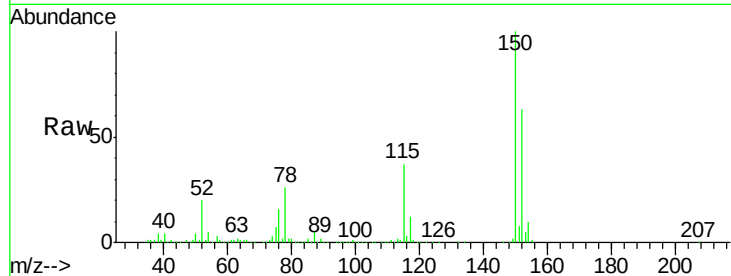
Tot Ion:152 Resp: 214236

Ion Ratio Lower Upper

152 100

115 58.7 41.1 123.3

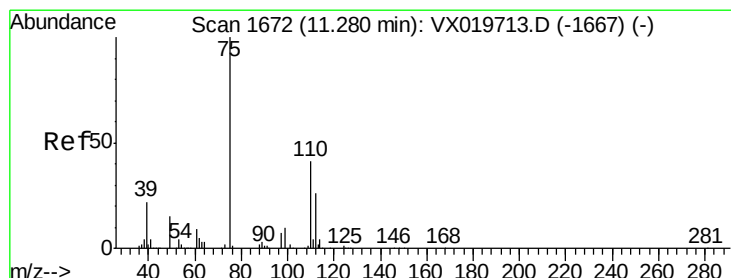
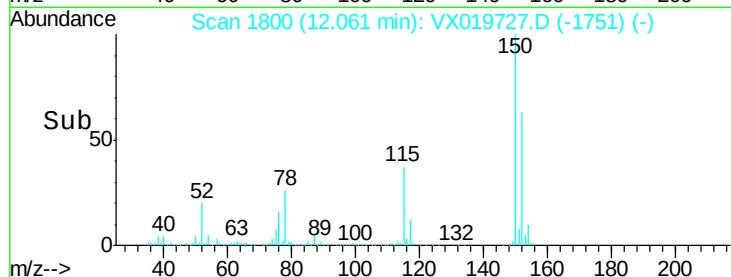
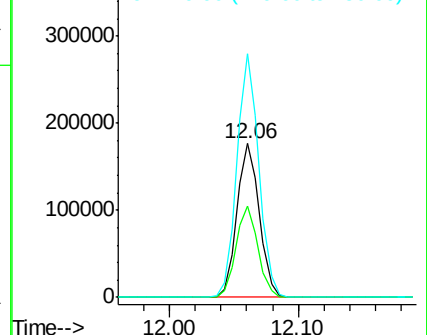
150 156.0 0.0 349.0



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: 23.053 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019727.D

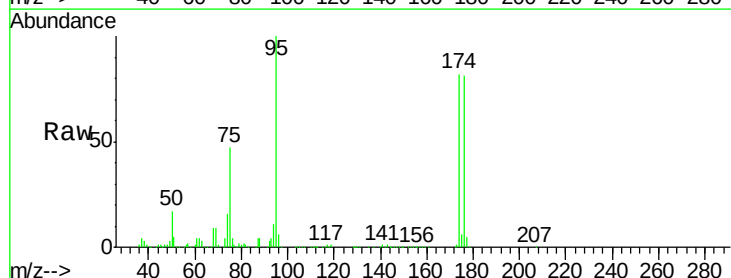
Acq: 04 Dec 2020 19:17

Tgt Ion: 75 Resp: 110770

Ion Ratio Lower Upper

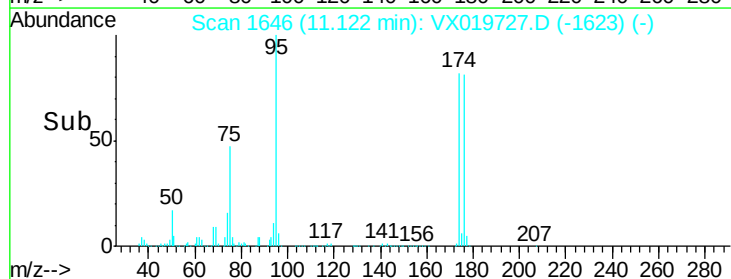
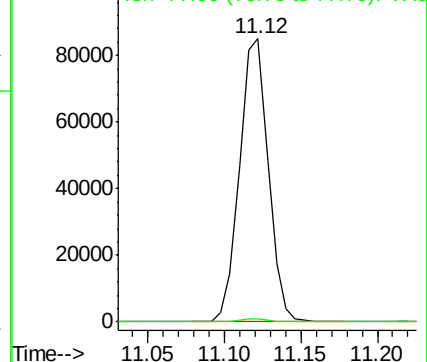
75 100

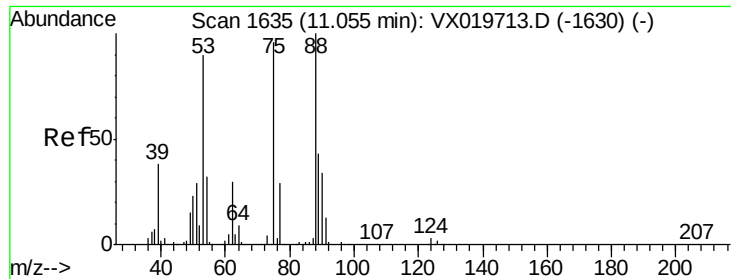
77 1.2 19.1 57.5#



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: 66.643 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019727.D

Acq: 04 Dec 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 110770

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

