

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019728.D
 Acq On : 04 Dec 2020 19:40
 Operator : JC/MD
 Sample : L4953-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-39-120320

Quant Time: Dec 05 03:50:35 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	332316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	543507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	489231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	204611	46.85	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.70%
35) Dibromofluoromethane	5.46	113	165585	47.14	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.28%
50) Toluene-d8	8.70	98	653856	48.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.52%
62) 4-Bromofluorobenzene	11.12	95	230029	45.07	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.14%

Target Compounds

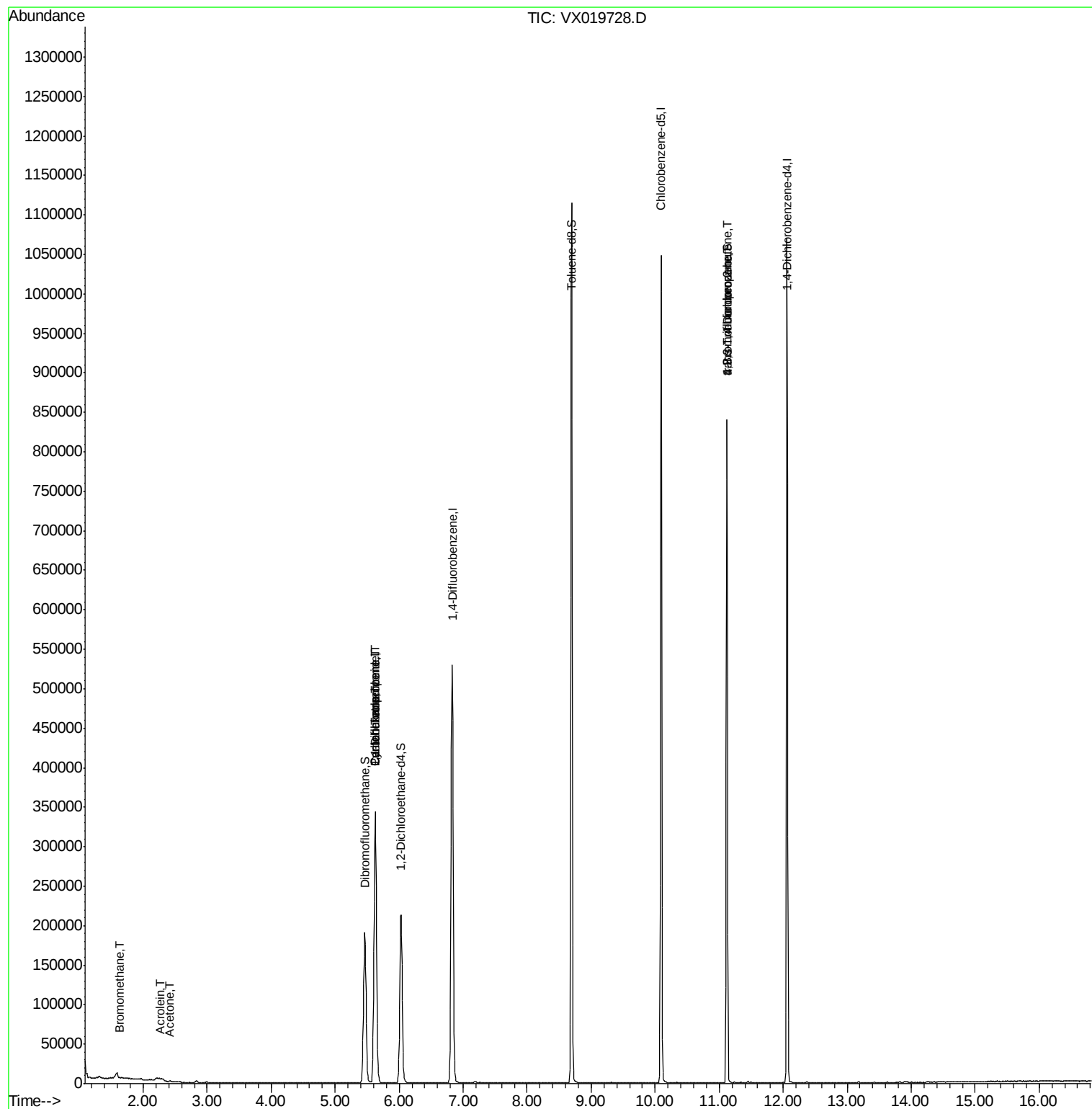
					Qvalue	
5) Bromomethane	1.63	94	445	0.355	ug/l #	74
11) Tert butyl alcohol	3.00	59	481	Below Cal	#	73
13) Acrolein	2.27	56	219	0.454	ug/l	93
16) Acetone	2.42	43	1083	0.660	ug/l	97
20) Methylene Chloride	2.83	84	1333	Below Cal		96
31) Cyclohexane	5.63	56	6080	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24947	5.079	ug/l #	49
38) Carbon Tetrachloride	5.62	117	32012	6.656	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	111533	22.935	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	111533	66.301	ug/l #	12

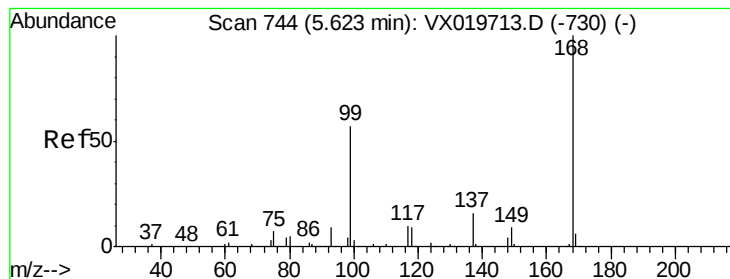
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

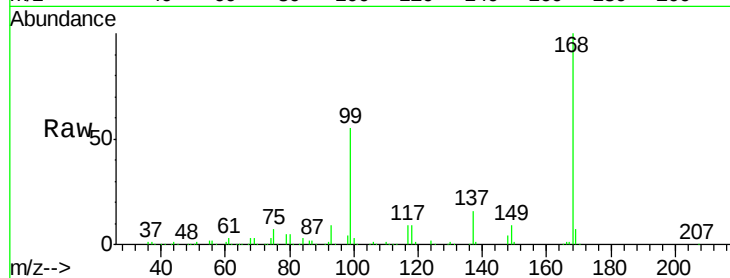
TRIP-BLANK-39-120320

Tot Ion:168 Resp: 332316

Ion Ratio Lower Upper

168 100

99 54.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

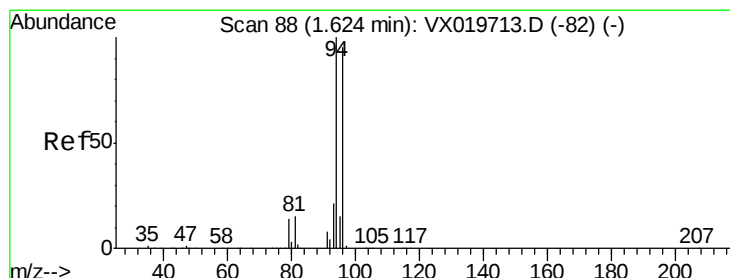
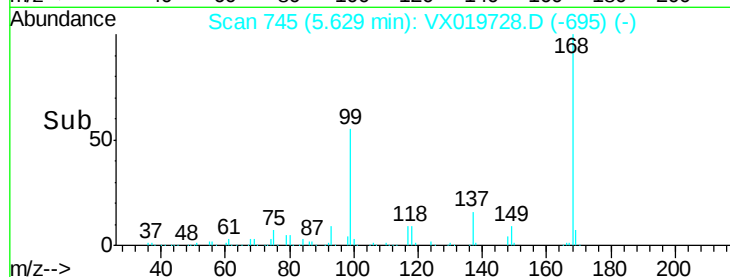
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019728.D

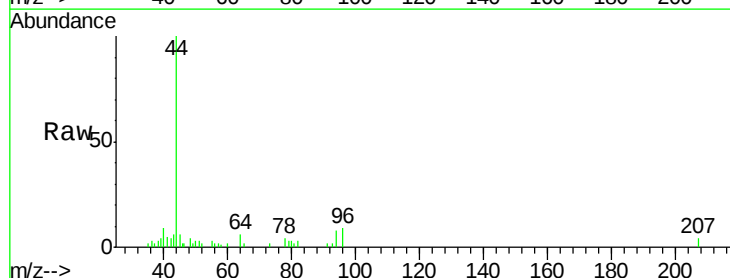
Acq: 04 Dec 2020 19:40

Tgt Ion: 94 Resp: 445

Ion Ratio Lower Upper

94 100

96 121.1 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

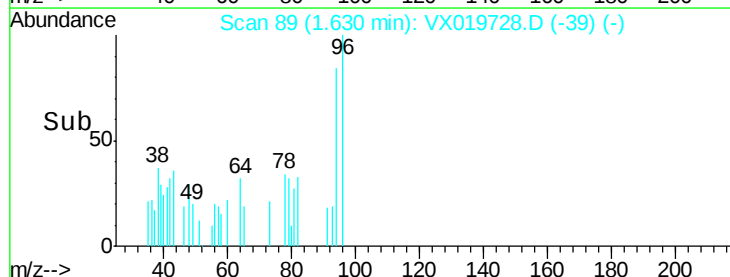
200

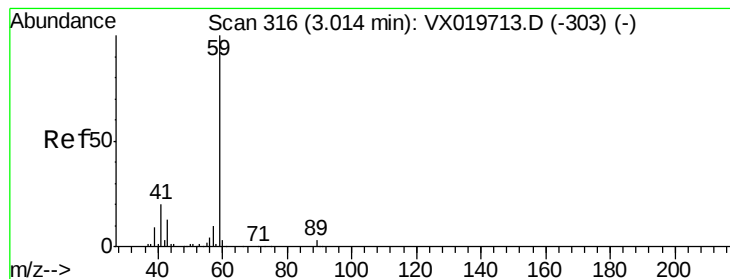
100

0

Time-->

1.60 1.62 1.64 1.66



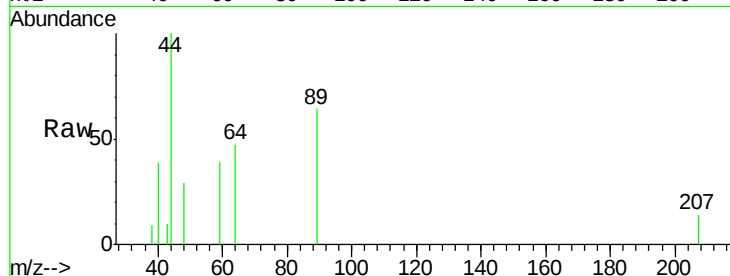


#11

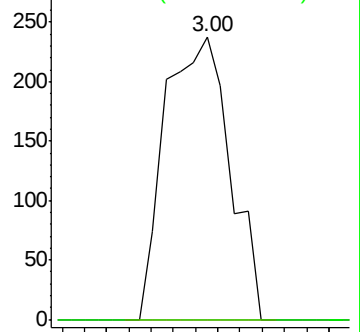
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019728.D
Acq: 04 Dec 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK-39-120320

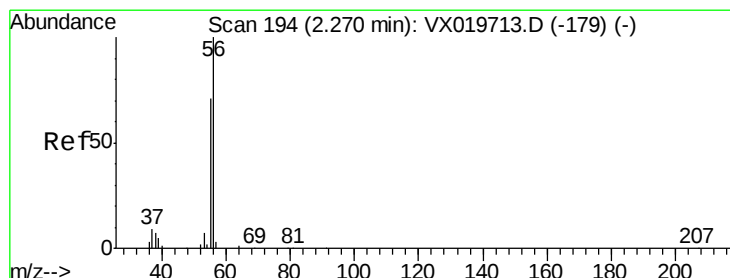
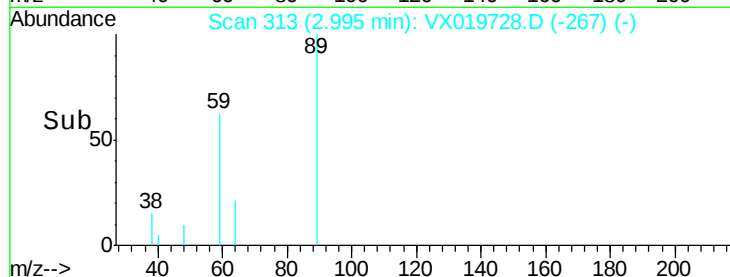
Tot Ion: 59 Resp: 481
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



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



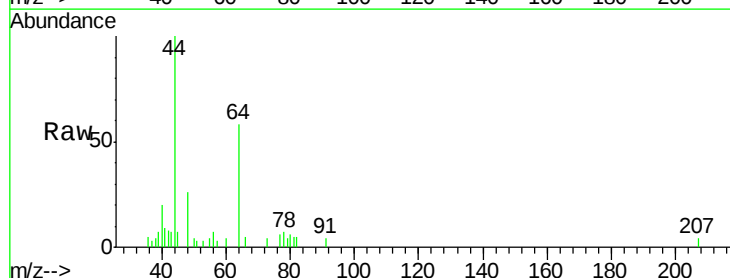
Time--> 2.95 3.00 3.05



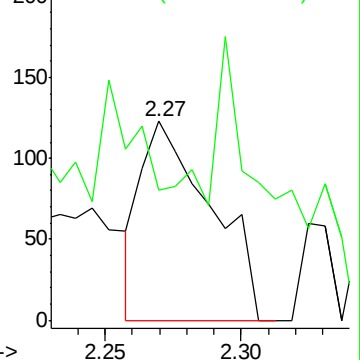
#13

Acrolein
Concen: 0.454 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX019728.D
Acq: 04 Dec 2020 19:40

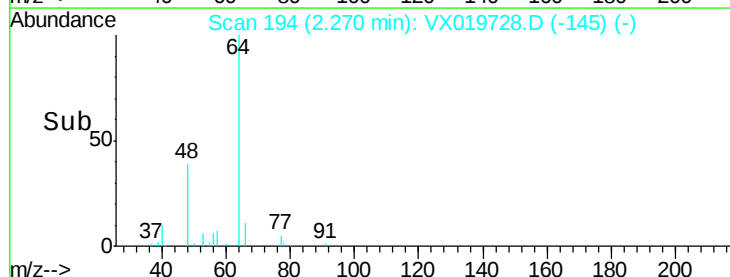
Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 76.3 56.4 84.6

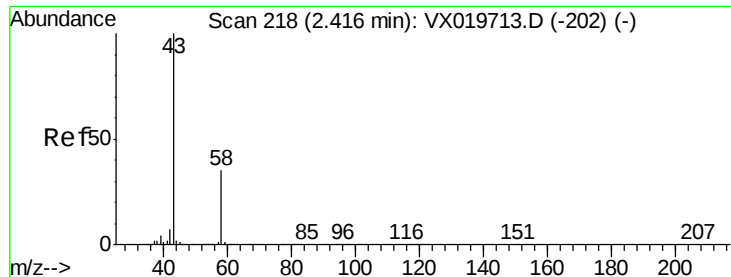


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.25 2.30





#16

Acetone

Concen: 0.660 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

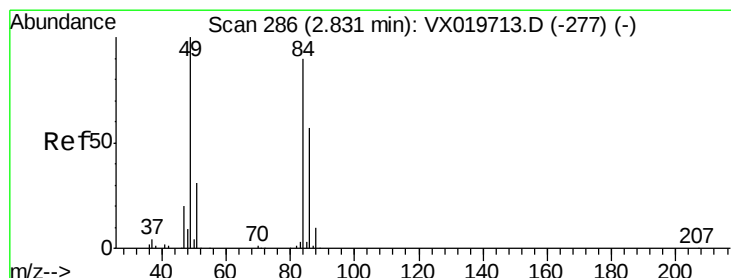
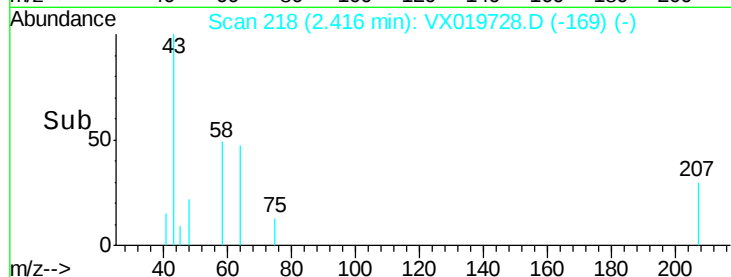
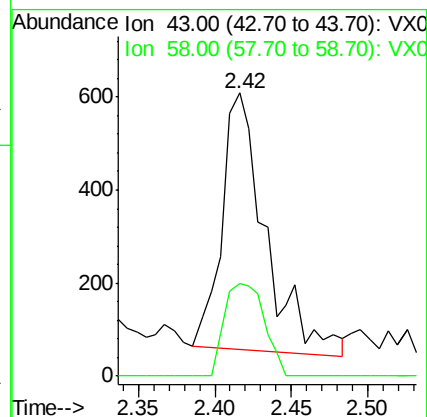
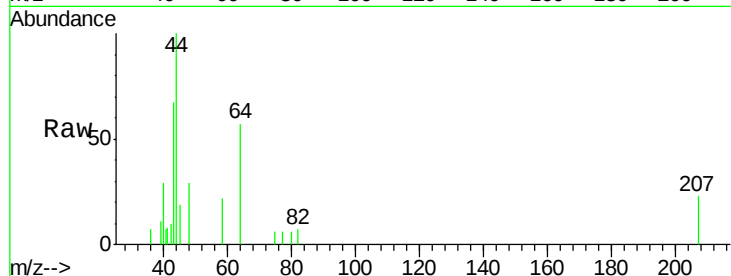
TRIP-BLANK-39-120320

Tot Ion: 43 Resp: 1083

Ion Ratio Lower Upper

43 100

58 36.4 27.8 41.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Tgt Ion: 84 Resp: 1333

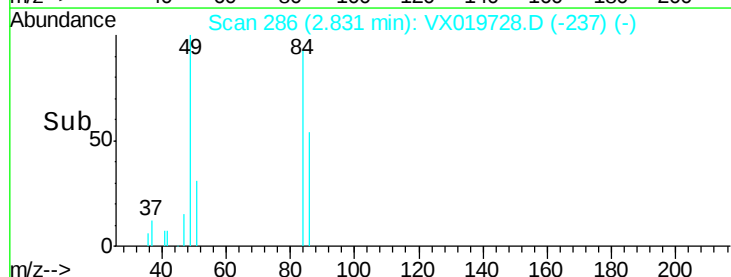
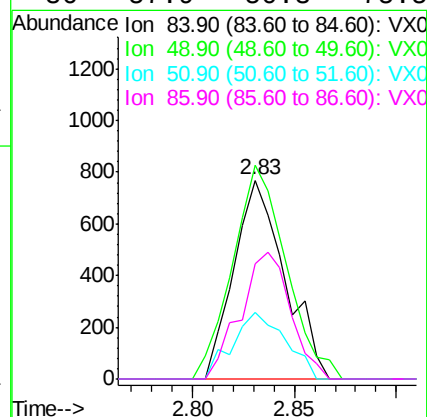
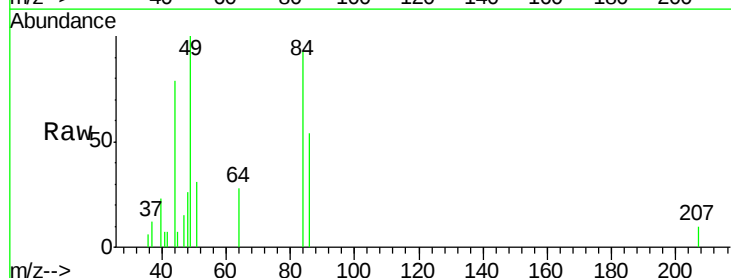
Ion Ratio Lower Upper

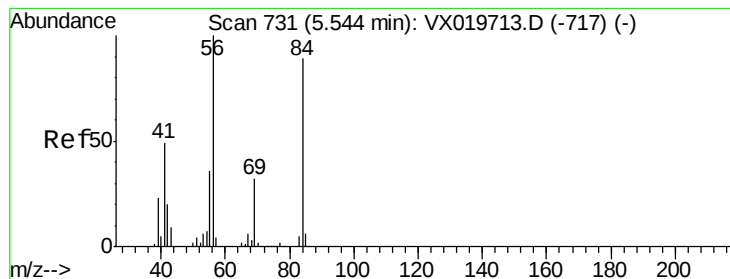
84 100

49 107.4 88.6 132.8

51 33.3 27.0 40.6

86 57.9 50.3 75.5





#31

Cvclohexane

Concen: 1.119 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-39-120320

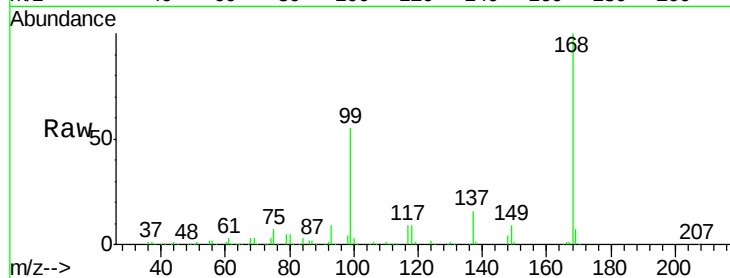
Tot Ion: 56 Resp: 6080

Ion Ratio Lower Upper

56 100

69 188.2 25.3 37.9#

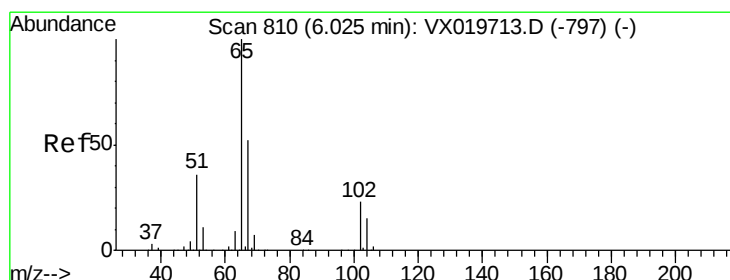
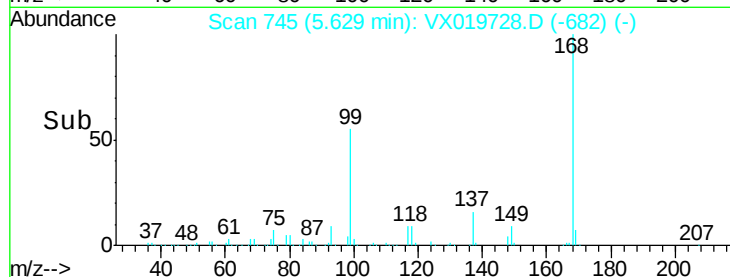
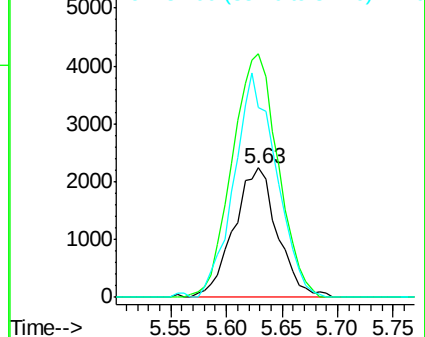
84 146.5 71.4 107.0#



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: 46.847 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019728.D

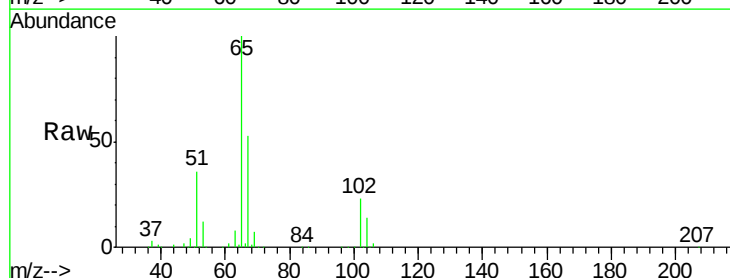
Acq: 04 Dec 2020 19:40

Tgt Ion: 65 Resp: 204611

Ion Ratio Lower Upper

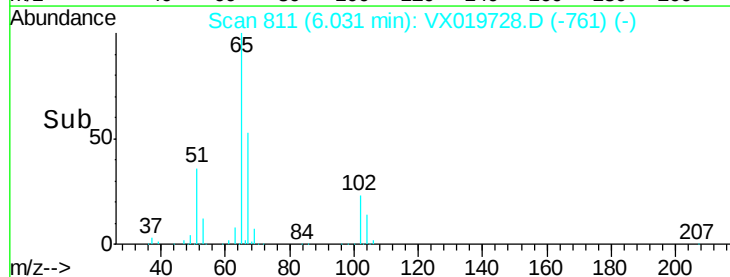
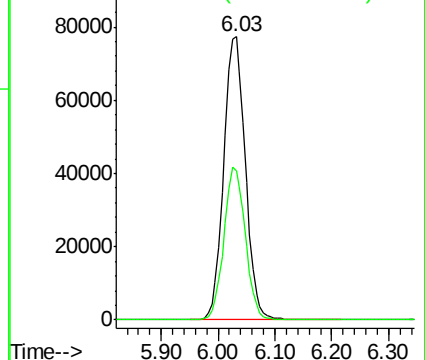
65 100

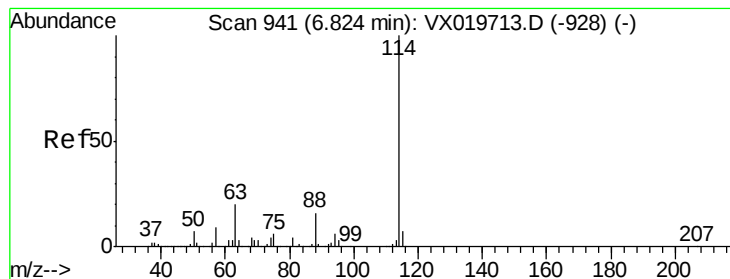
67 53.1 0.0 105.4



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. 0.01 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-39-120320

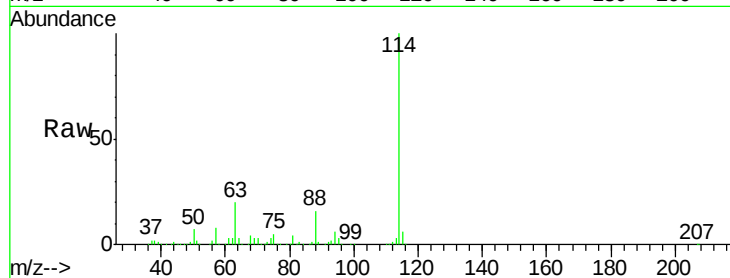
Tot Ion:114 Resp: 543507

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

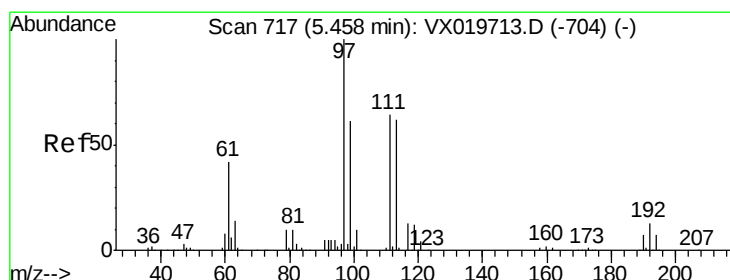
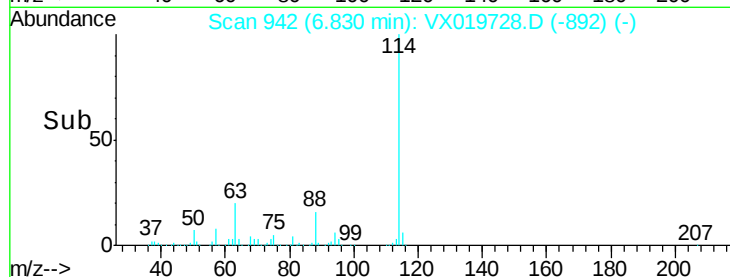
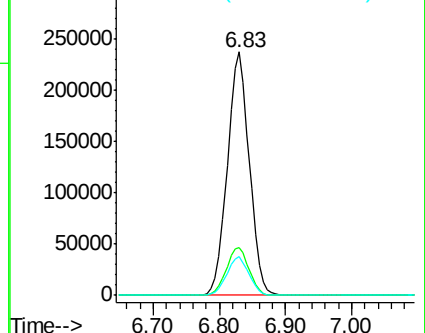
88 15.8 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.140 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

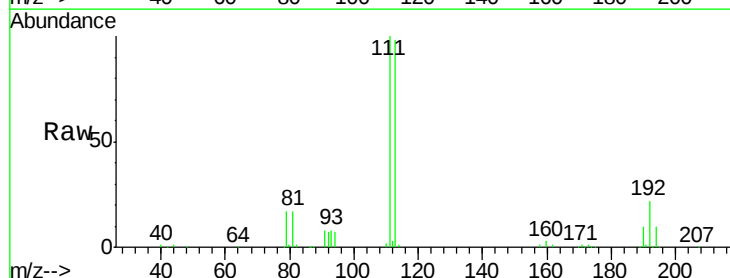
Tgt Ion:113 Resp: 165585

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

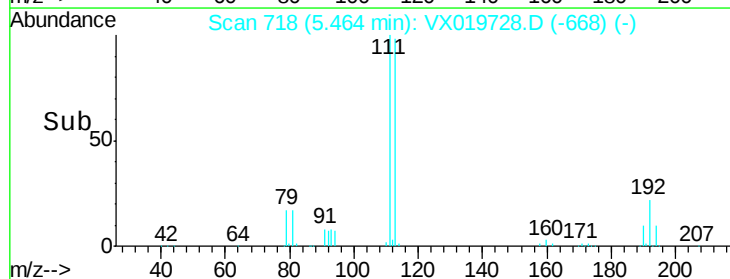
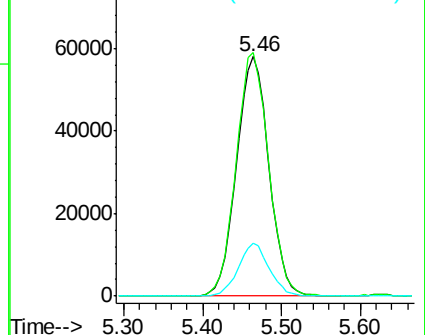
192 21.0 16.7 25.1

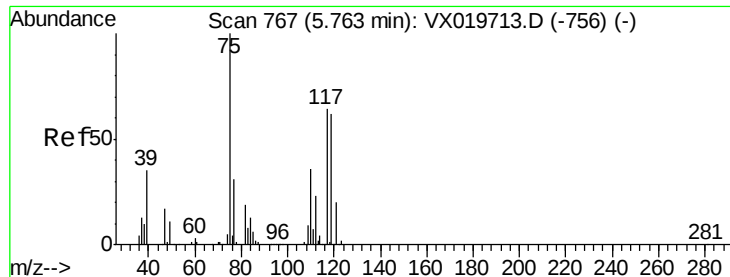


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.079 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

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TRIP-BLANK-39-120320

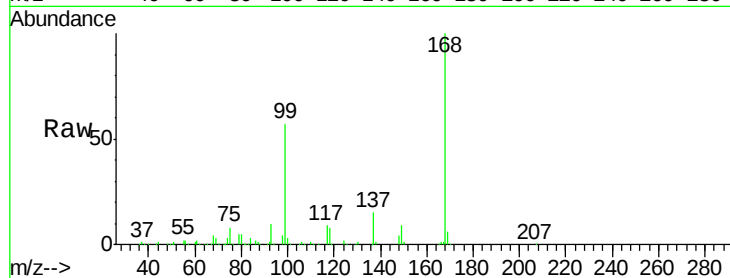
Tot Ion: 75 Resp: 24947

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

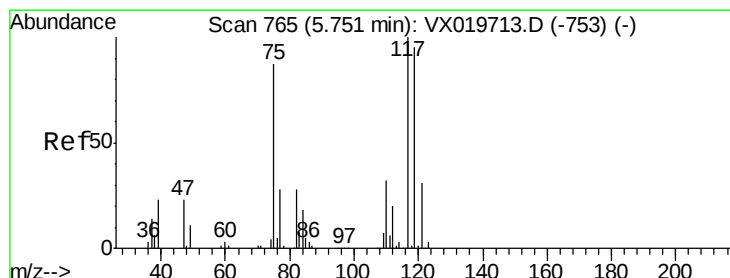
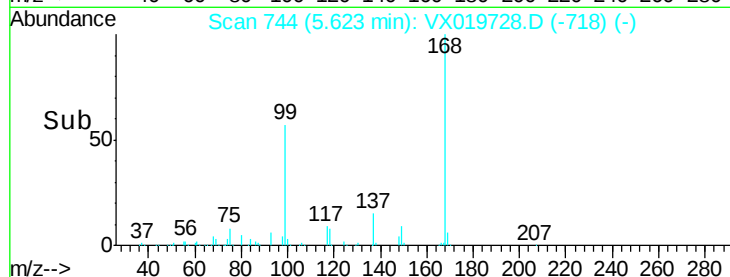
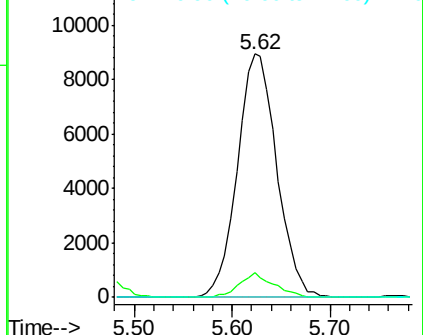
77 0.0 25.3 37.9#



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: 6.656 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

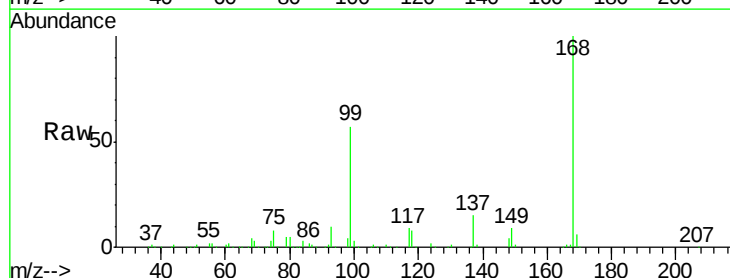
Tgt Ion: 117 Resp: 32012

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

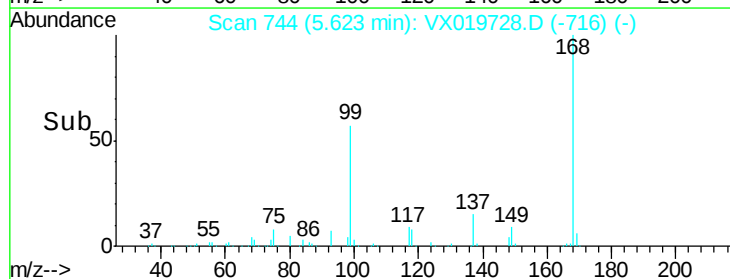
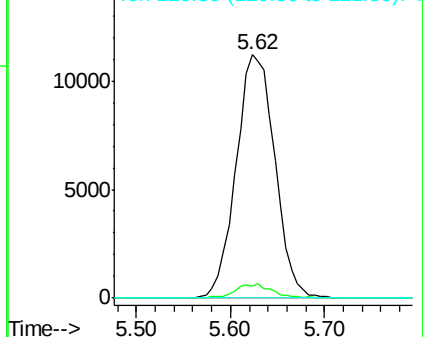
121 0.0 24.8 37.2#

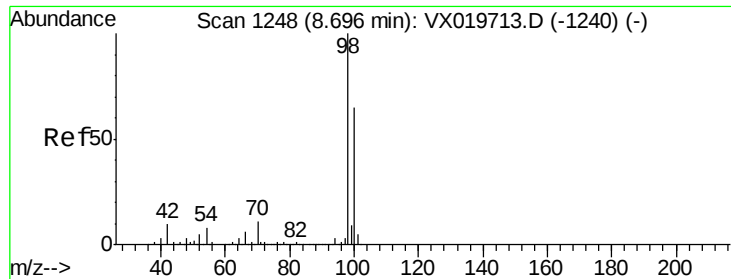


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.758 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

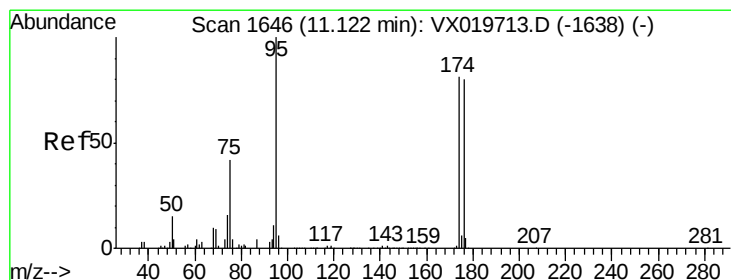
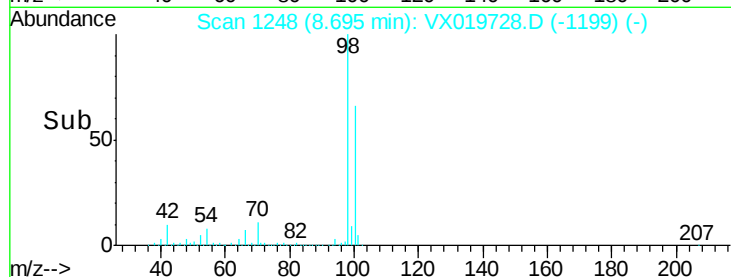
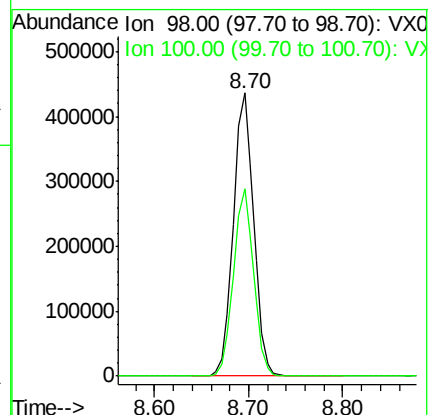
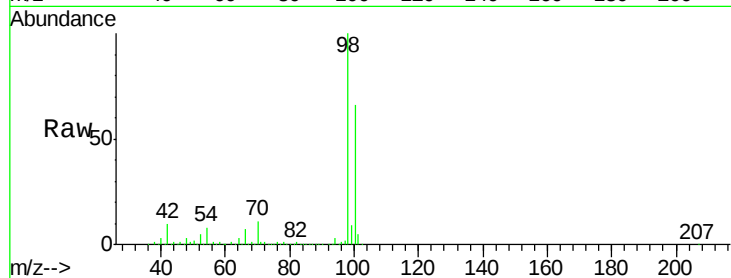
TRIP-BLANK-39-120320

Tot Ion: 98 Resp: 653856

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.067 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

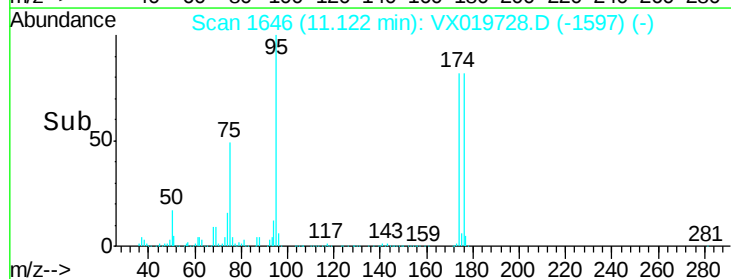
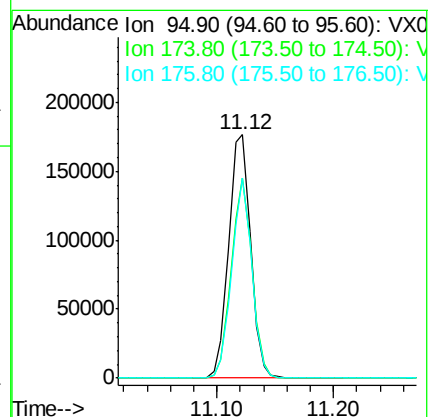
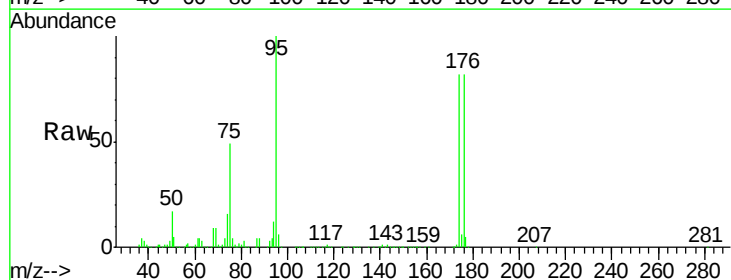
Tgt Ion: 95 Resp: 230029

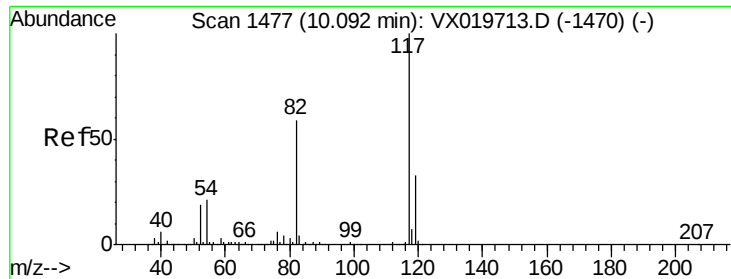
Ion Ratio Lower Upper

95 100

174 77.7 0.0 154.6

176 75.9 0.0 155.8

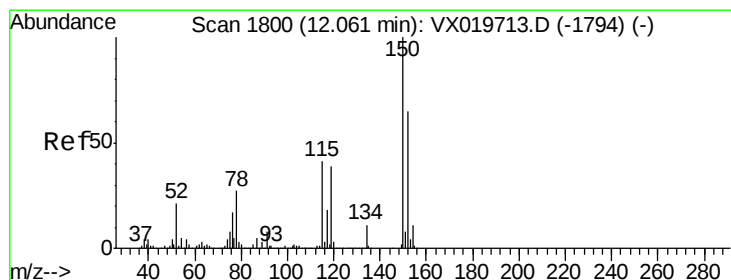
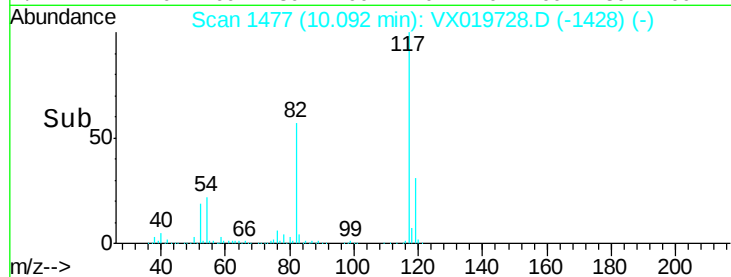
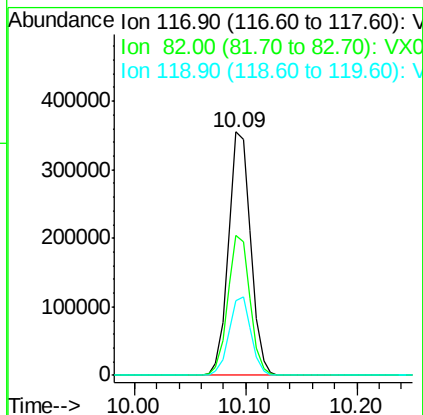
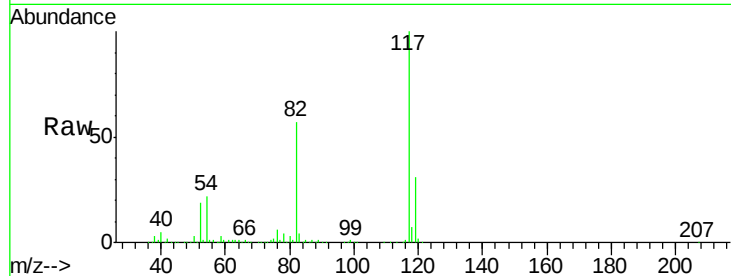




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019728.D
Acq: 04 Dec 2020 19:40

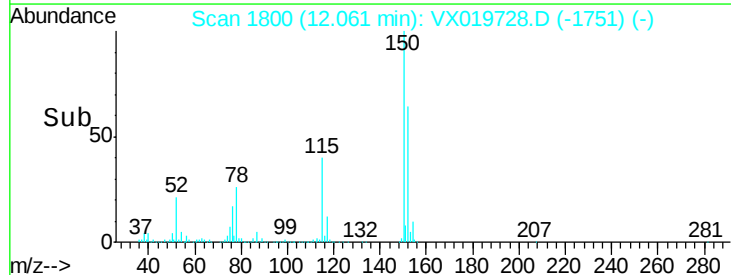
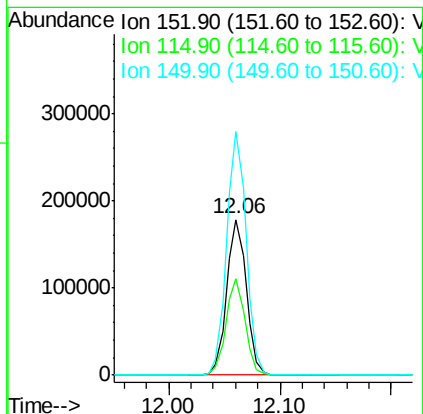
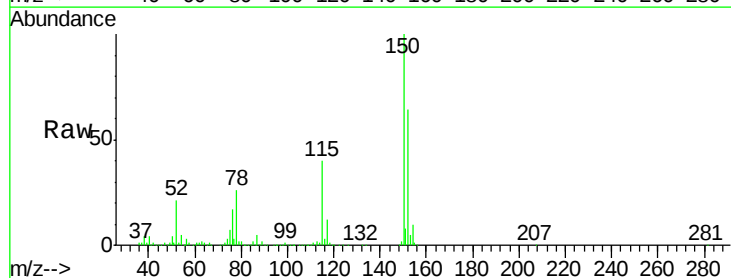
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK-39-120320

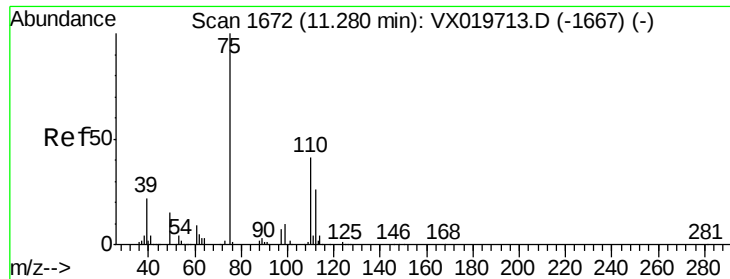
Tot Ion:117 Resp: 489231
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019728.D
Acq: 04 Dec 2020 19:40

Tgt Ion:152 Resp: 216823
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 155.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.935 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

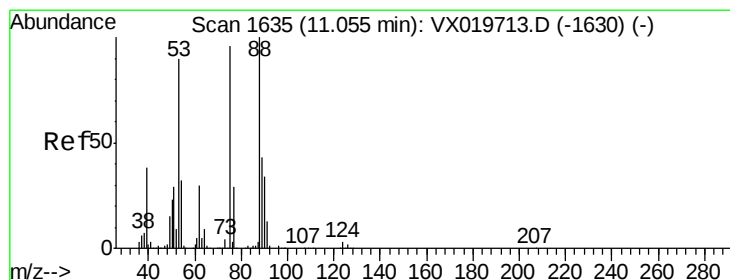
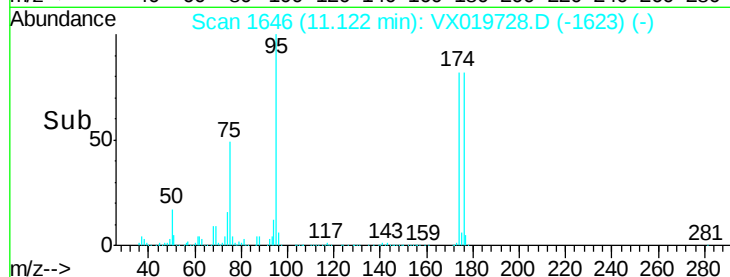
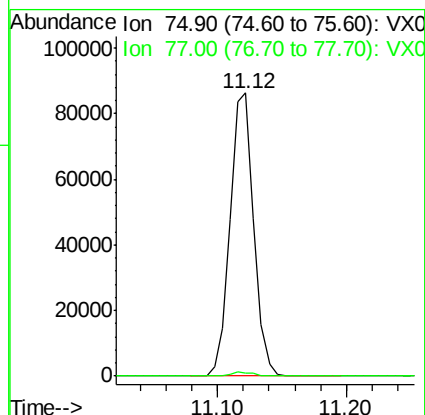
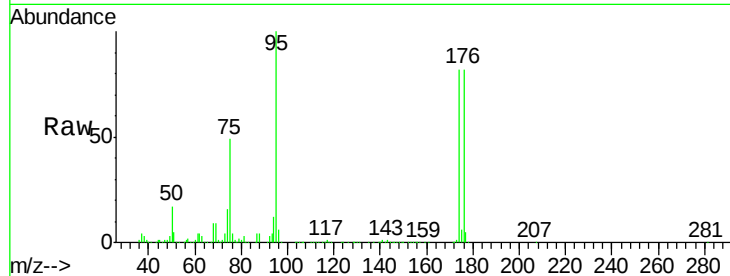
TRIP-BLANK-39-120320

Tot Ion: 75 Resp: 111533

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.301 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019728.D

Acq: 04 Dec 2020 19:40

Tgt Ion: 75 Resp: 111533

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

