

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019919.D
 Acq On : 12 Dec 2020 09:39
 Operator : JC/MD
 Sample : L5025-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5022-120920

Quant Time: Dec 14 02:50:02 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	308023	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.83	114	514745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	474447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	199925	49.38	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.76%
35) Dibromofluoromethane	5.46	113	161248	48.47	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.94%
50) Toluene-d8	8.70	98	630726	49.66	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.32%
62) 4-Bromofluorobenzene	11.12	95	220633	45.64	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.28%

Target Compounds

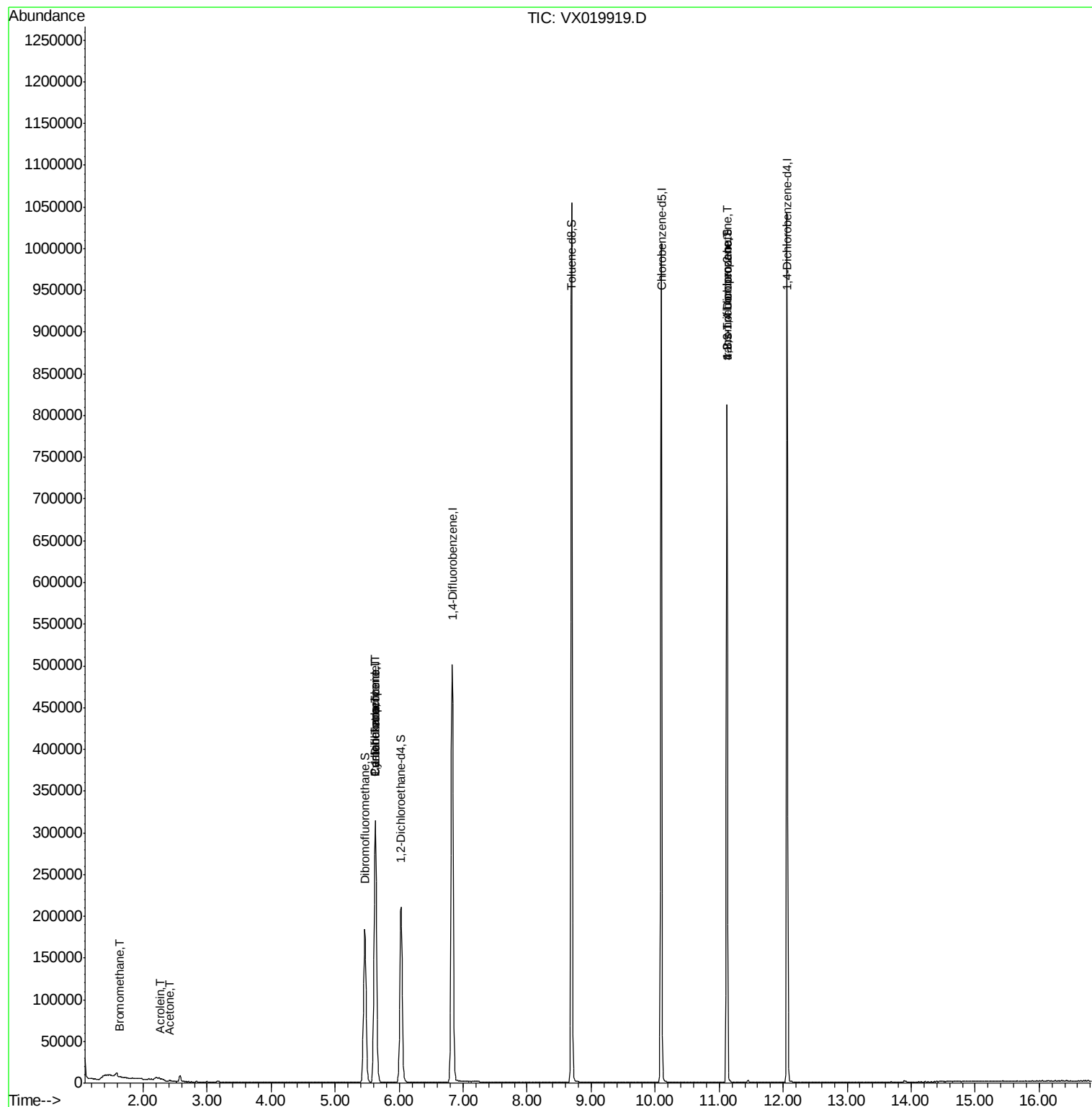
					Qvalue	
5) Bromomethane	1.64	94	522	0.450	ug/l	90
11) Tert butyl alcohol	2.99	59	552	Below Cal	#	73
13) Acrolein	2.26	56	111	0.248	ug/l #	74
16) Acetone	2.42	43	1789	1.176	ug/l	89
20) Methylene Chloride	2.84	84	300	Below Cal	#	79
31) Cyclohexane	5.63	56	5734	1.139	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23578	5.069	ug/l #	48
38) Carbon Tetrachloride	5.62	117	30274	6.646	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106726	22.815	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106726	65.954	ug/l #	12

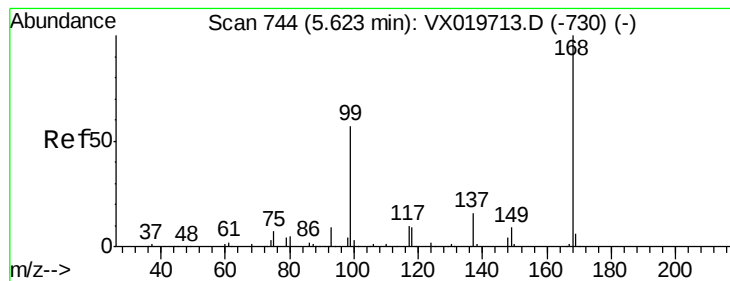
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
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TU032-32-5022-120920

Quant Time: Dec 14 02:50:02 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# 746

Delta R.T. 0.01 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

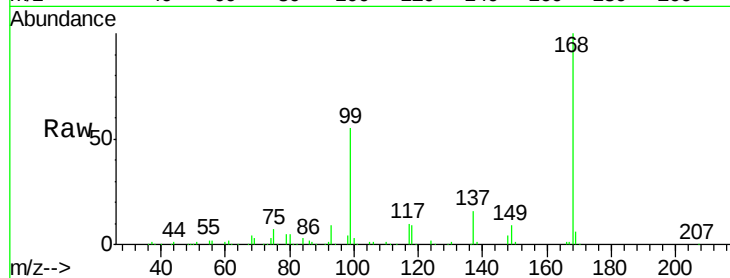
TU032-32-5022-120920

Tgt Ion:168 Resp: 308023

Ion Ratio Lower Upper

168 100

99 54.8 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

120000

100000

80000

60000

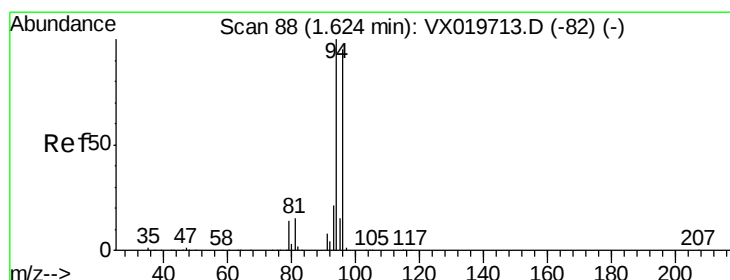
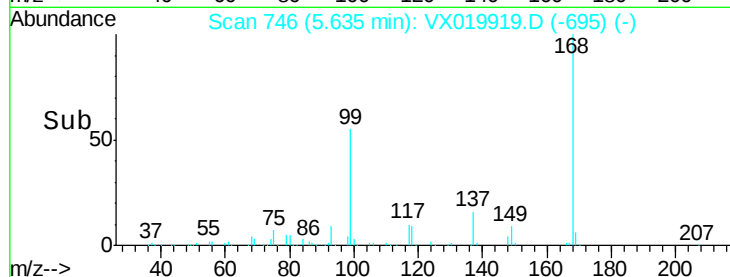
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.450 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019919.D

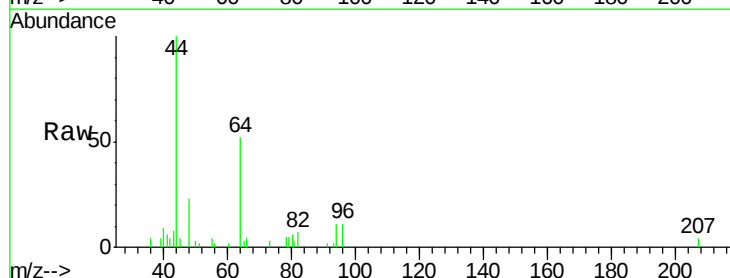
Acq: 12 Dec 2020 09:39

Tgt Ion: 94 Resp: 522

Ion Ratio Lower Upper

94 100

96 104.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

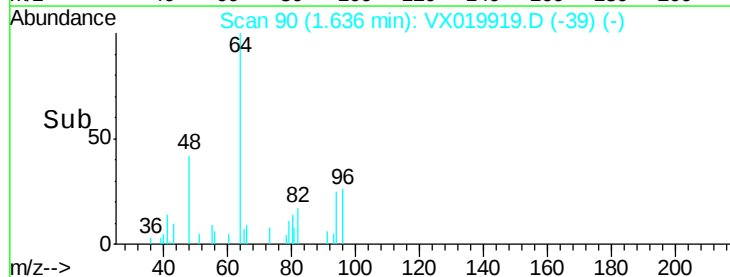
200

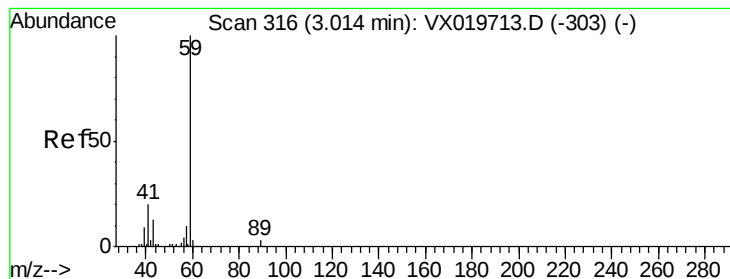
100

0

Time-->

1.60 1.65



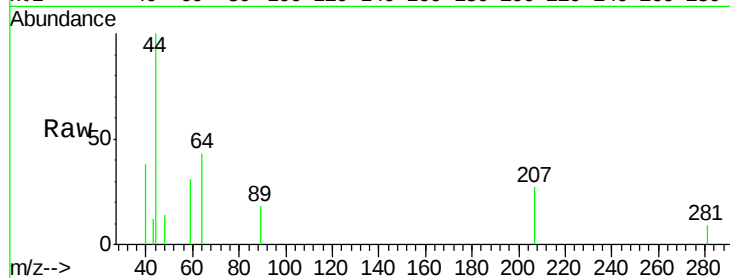


#11

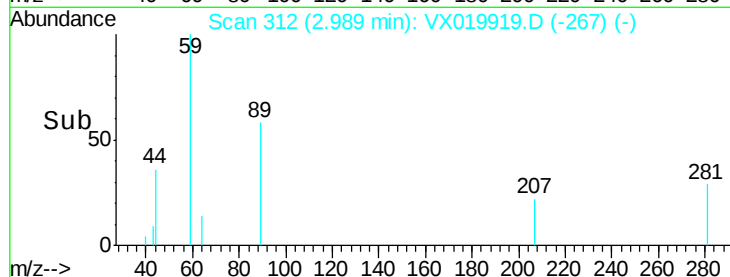
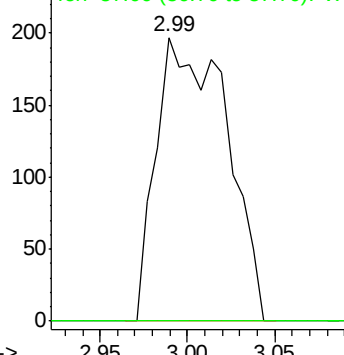
Tert butyl alcohol
 Concen: Below Cal
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX019919.D
 Acq: 12 Dec 2020 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5022-120920

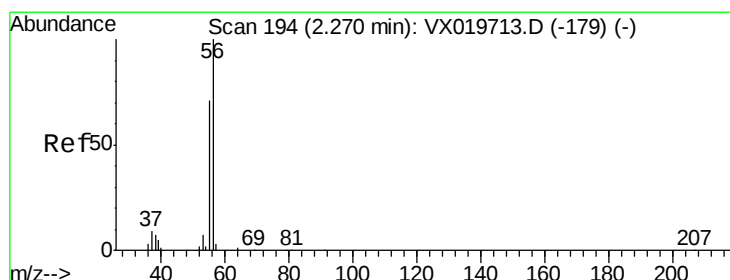
Tgt Ion: 59 Resp: 552
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#



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



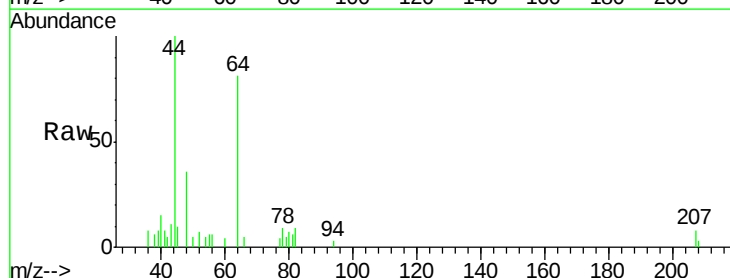
Time-->



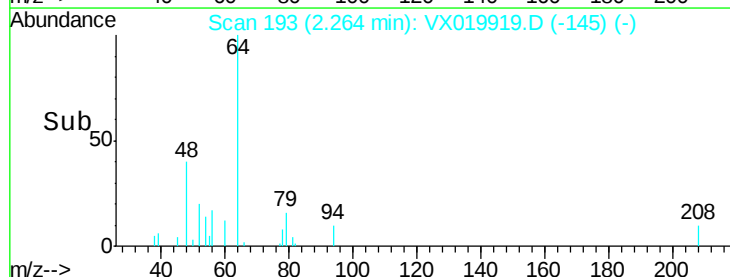
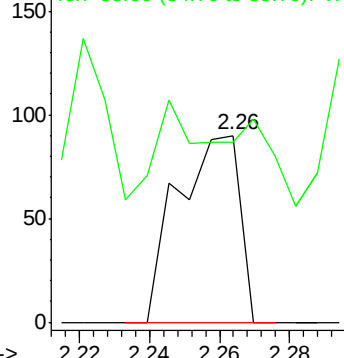
#13

Acrolein
 Concen: 0.248 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX019919.D
 Acq: 12 Dec 2020 09:39

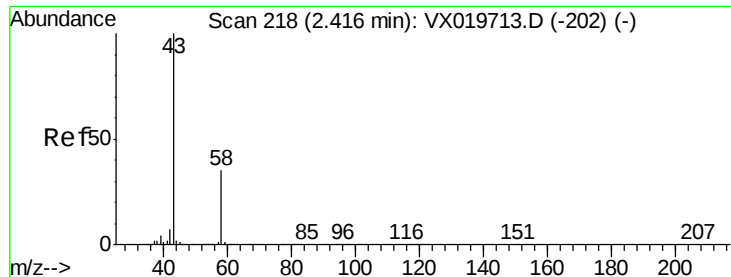
Tgt Ion: 56 Resp: 111
 Ion Ratio Lower Upper
 56 100
 55 91.9 56.4 84.6#



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



Time-->



#16

Acetone

Concen: 1.176 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

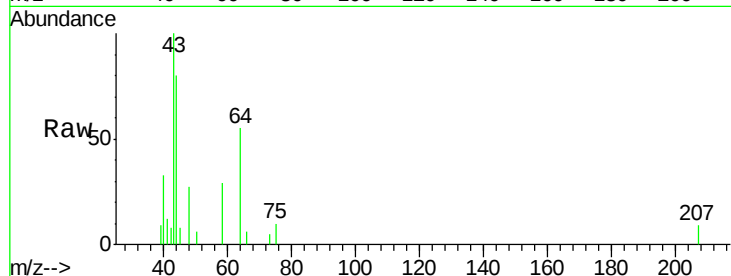
TU032-32-5022-120920

Tgt Ion: 43 Resp: 1789

Ion Ratio Lower Upper

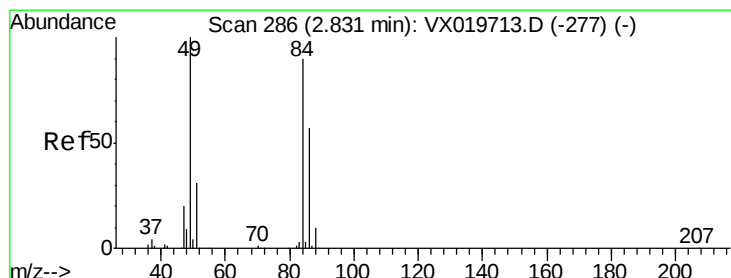
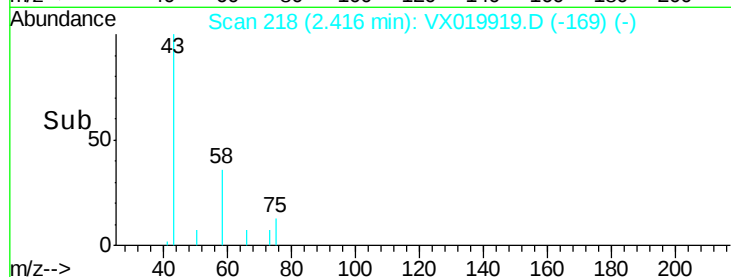
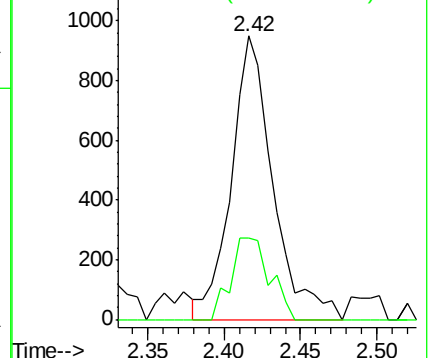
43 100

58 28.7 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

Tgt Ion: 84 Resp: 300

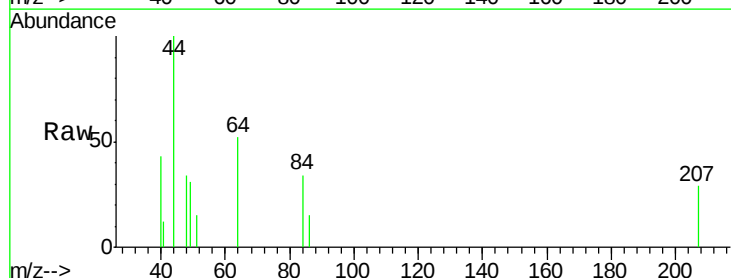
Ion Ratio Lower Upper

84 100

49 90.1 88.6 132.8

51 45.3 27.0 40.6#

86 44.3 50.3 75.5#

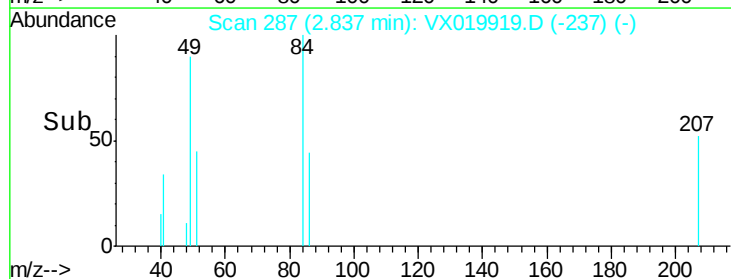
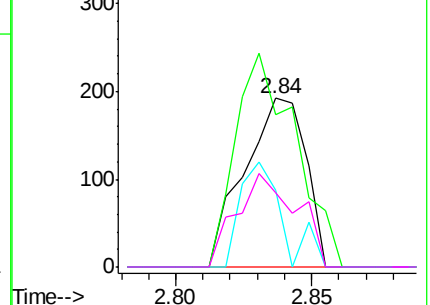


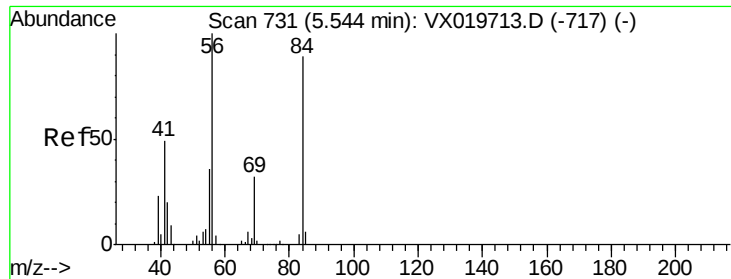
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

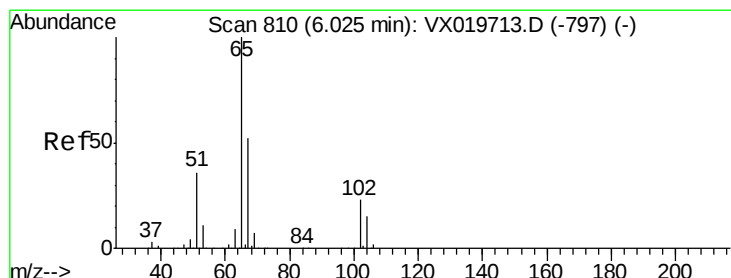
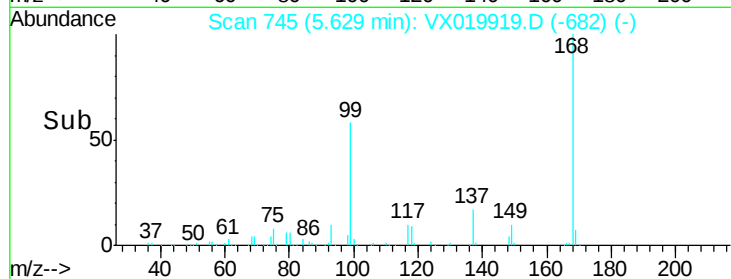
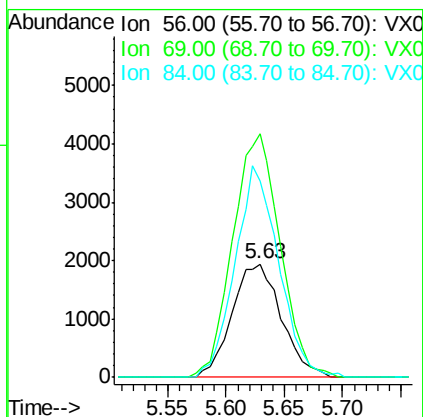
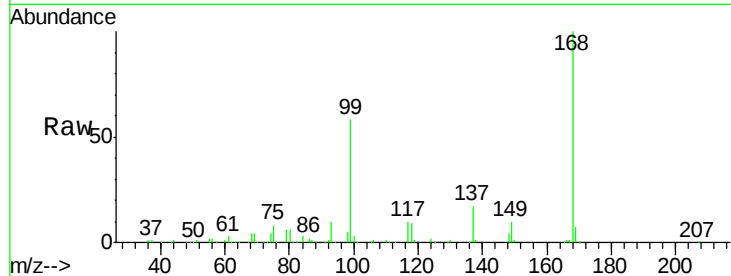




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019919.D
Acq: 12 Dec 2020 09:39

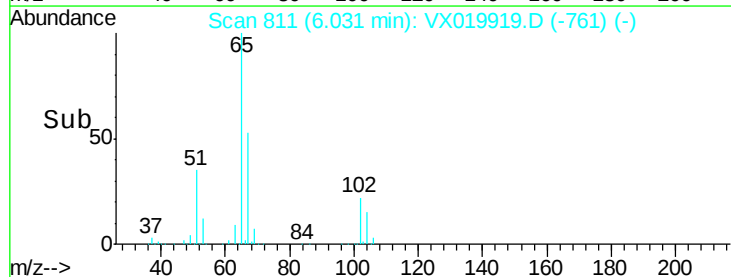
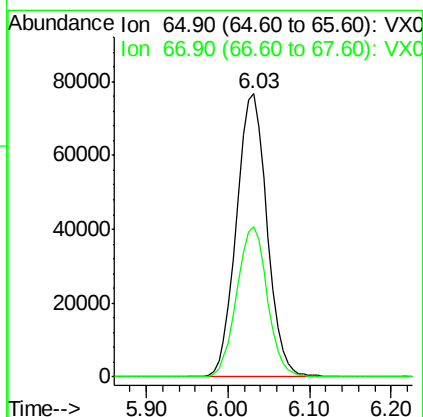
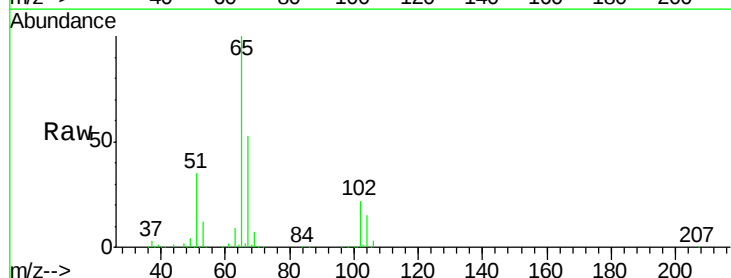
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5022-120920

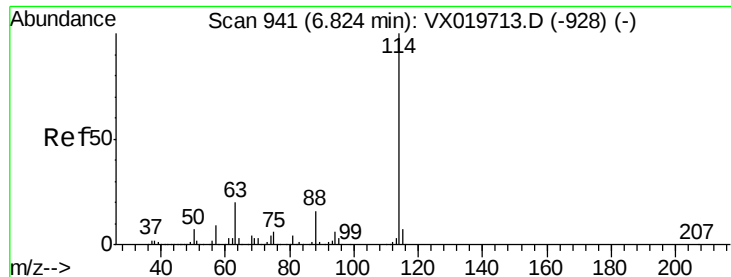
Tgt Ion: 56 Resp: 5734
Ion Ratio Lower Upper
56 100
69 215.3 25.3 37.9#
84 173.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.385 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019919.D
Acq: 12 Dec 2020 09:39

Tgt Ion: 65 Resp: 199925
Ion Ratio Lower Upper
65 100
67 53.0 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: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5022-120920

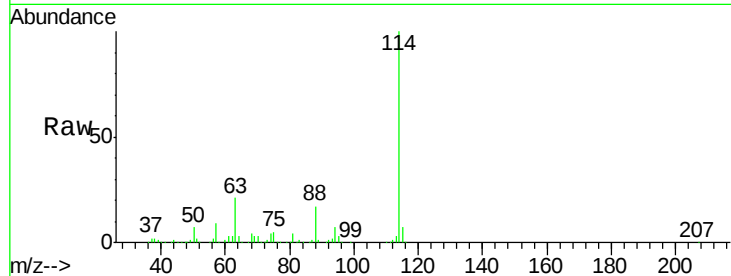
Tgt Ion:114 Resp: 514745

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

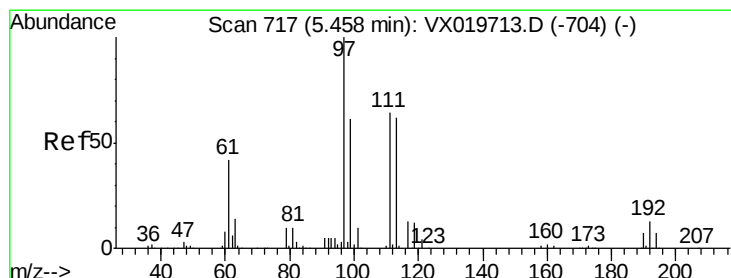
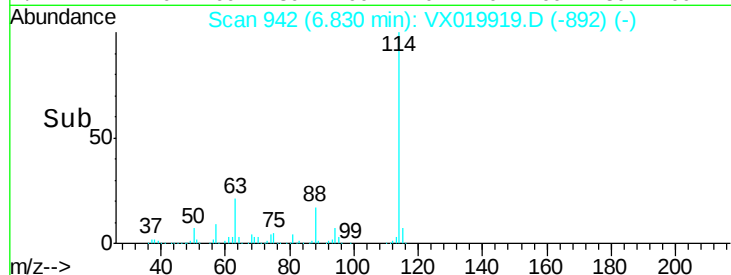
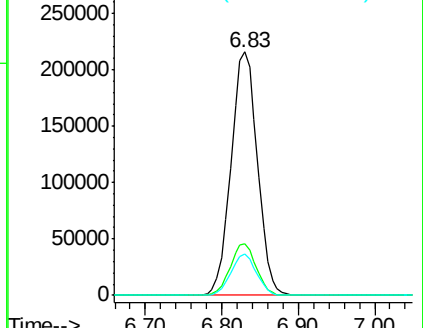
88 17.1 0.0 32.8



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: 48.471 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

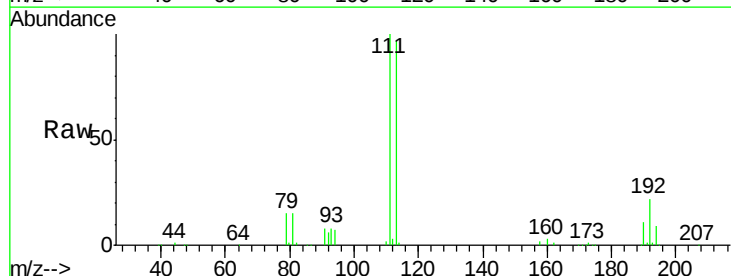
Tgt Ion:113 Resp: 161248

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

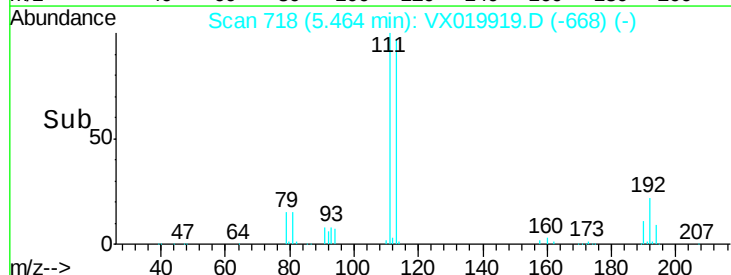
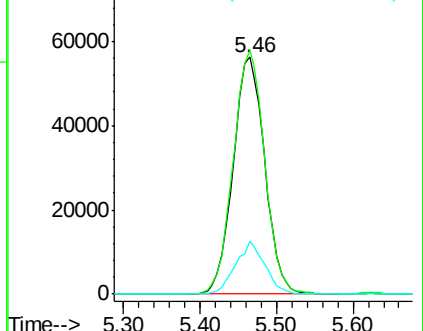
192 20.6 16.7 25.1

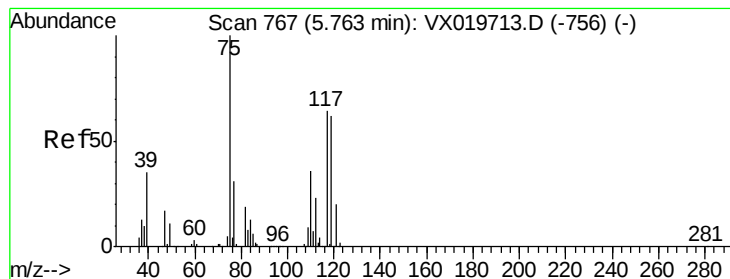


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.069 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5022-120920

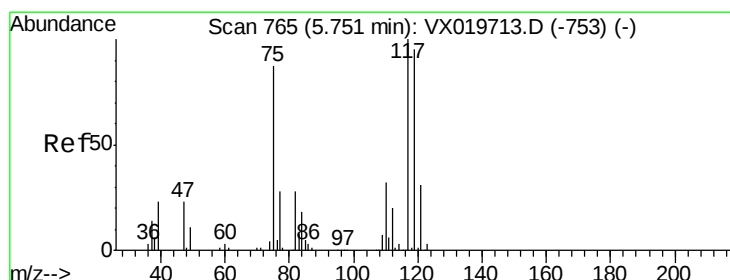
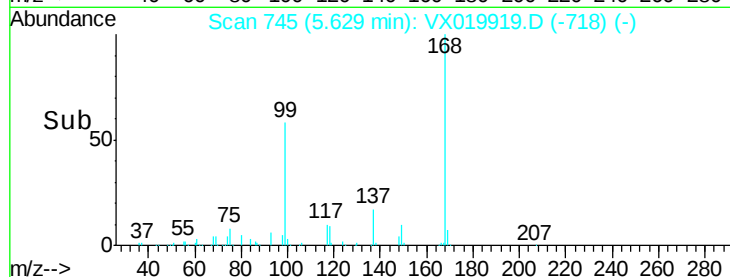
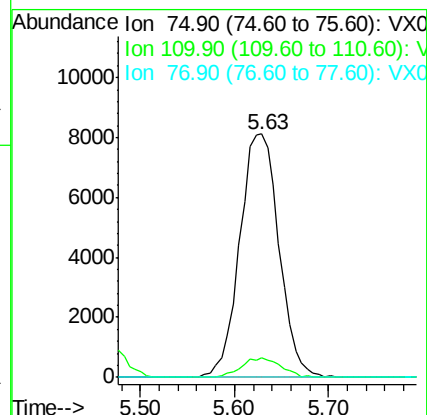
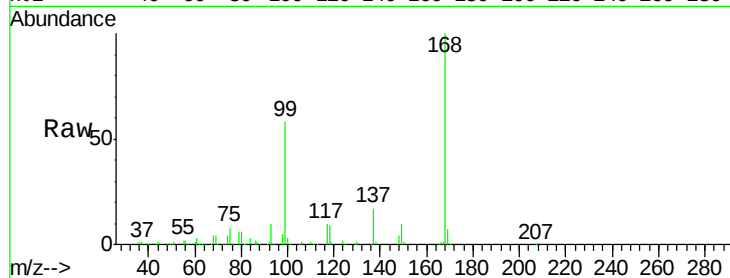
Tgt Ion: 75 Resp: 23578

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

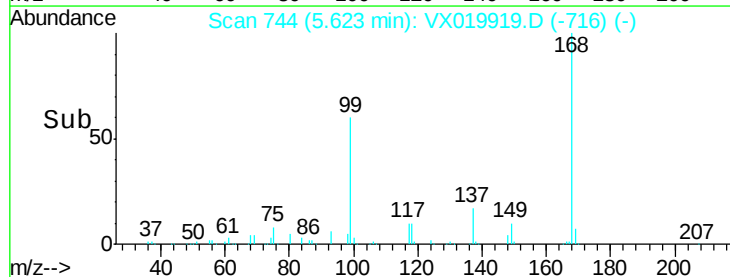
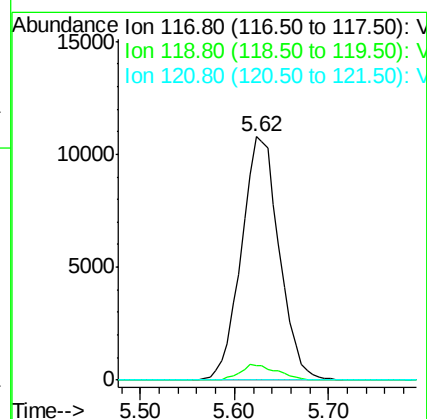
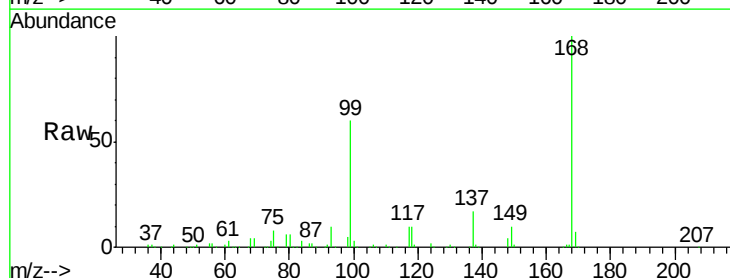
Tgt Ion: 117 Resp: 30274

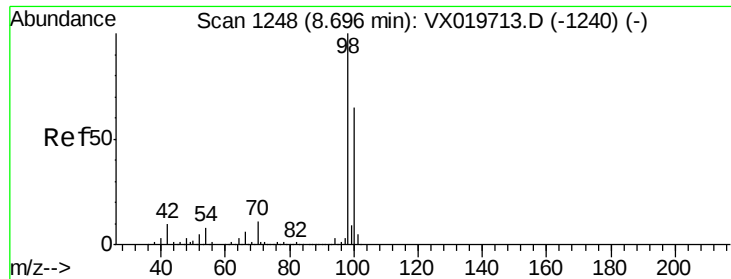
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.661 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

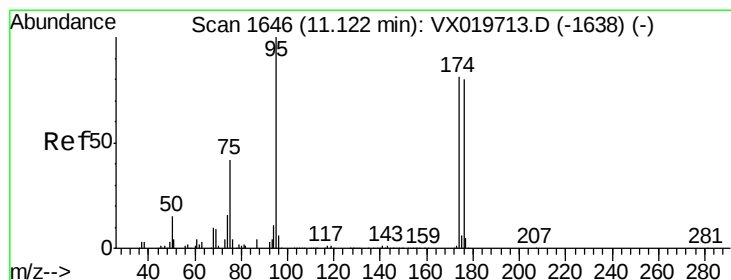
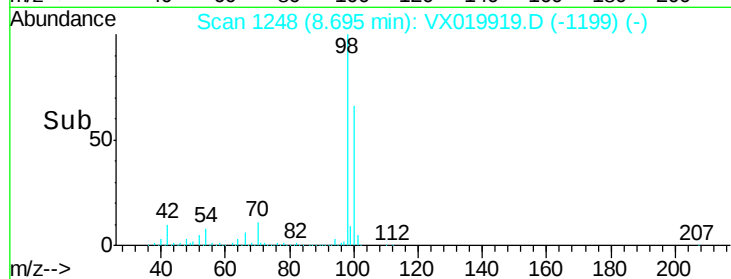
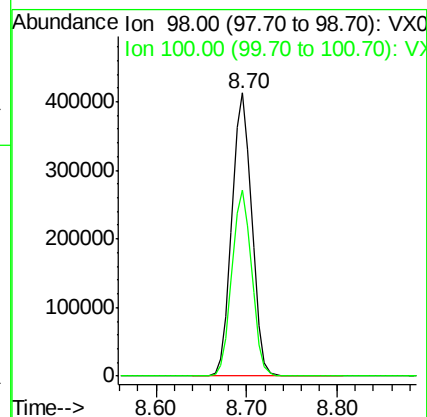
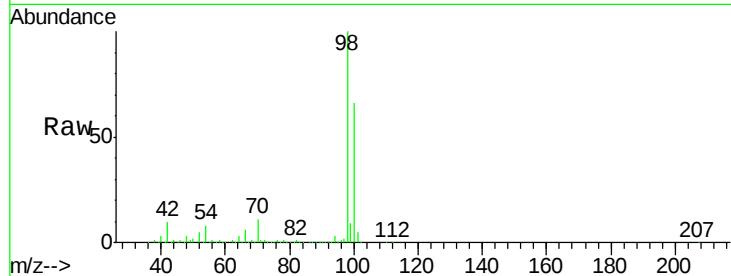
TU032-32-5022-120920

Tgt Ion: 98 Resp: 630726

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.642 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

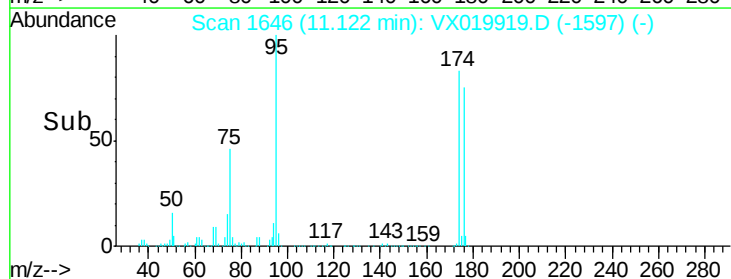
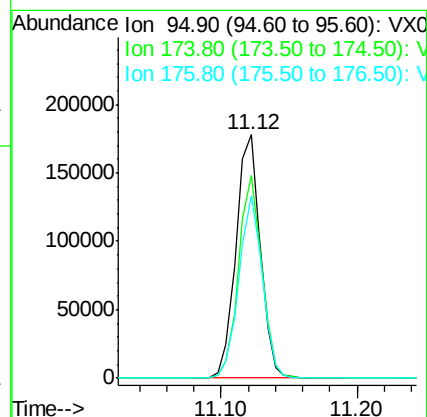
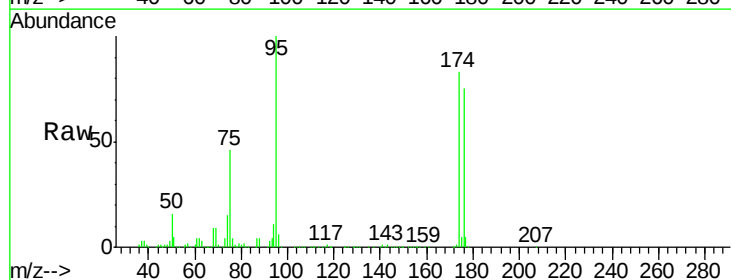
Tgt Ion: 95 Resp: 220633

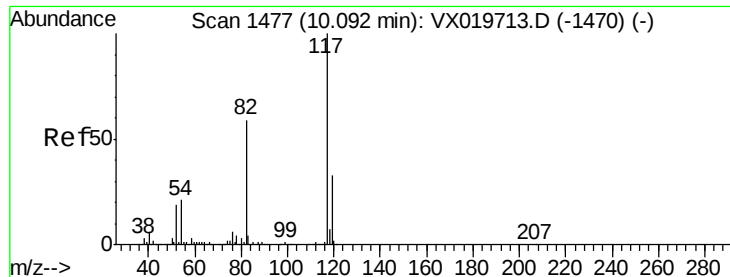
Ion Ratio Lower Upper

95 100

174 79.9 0.0 154.6

176 72.9 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: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5022-120920

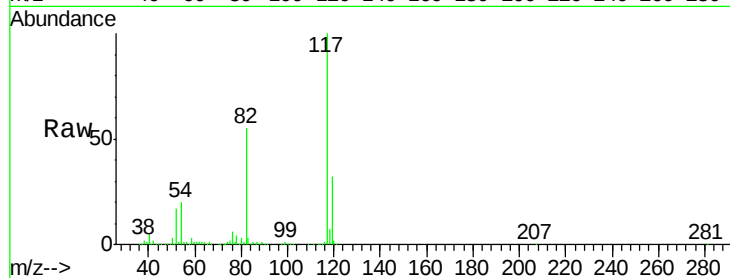
Tgt Ion:117 Resp: 474447

Ion Ratio Lower Upper

117 100

82 54.9 47.4 71.2

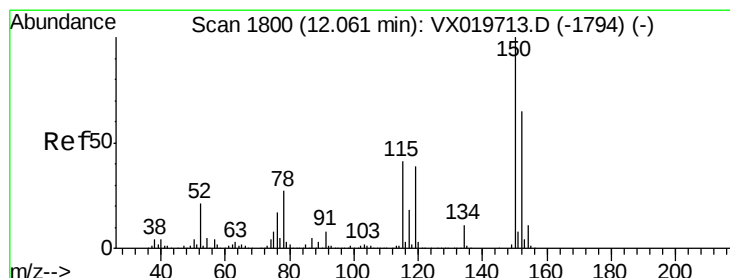
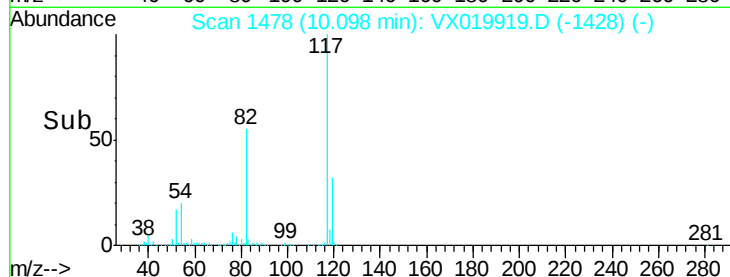
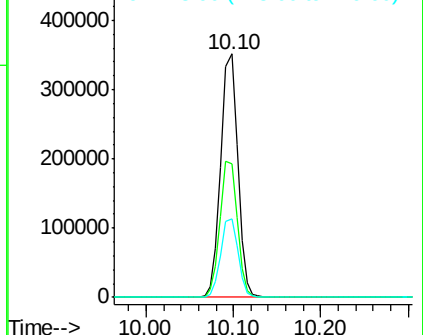
119 32.2 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX019919.D

Acq: 12 Dec 2020 09:39

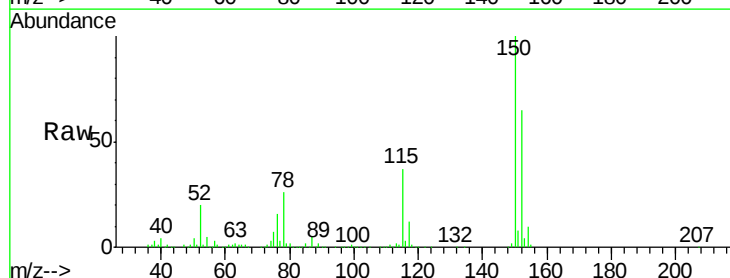
Tgt Ion:152 Resp: 208571

Ion Ratio Lower Upper

152 100

115 59.3 41.1 123.3

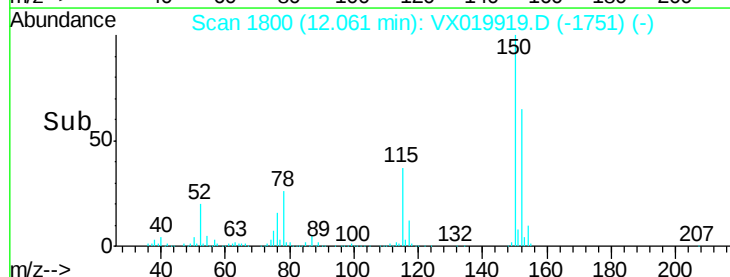
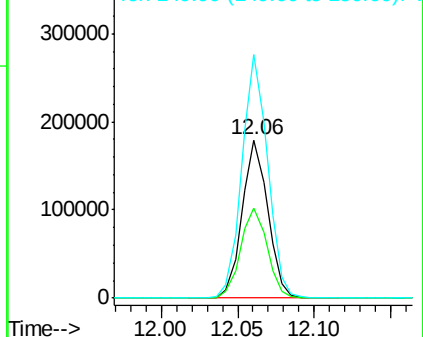
150 154.5 0.0 349.0

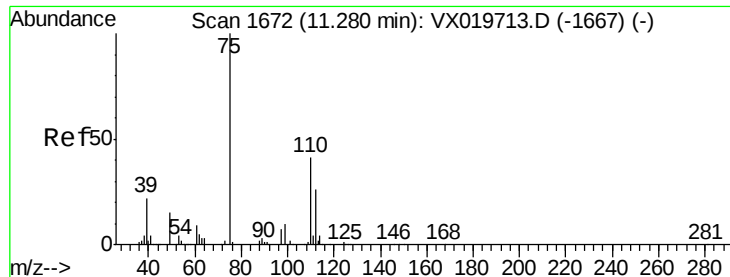


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.815 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

Instrument :

MSVOA_X

ClientSampleId :

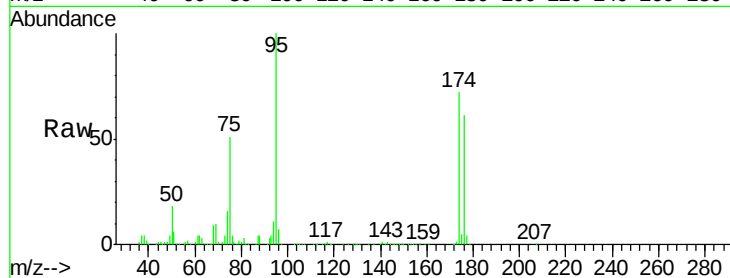
TU032-32-5022-120920

Tgt Ion: 75 Resp: 106726

Ion Ratio Lower Upper

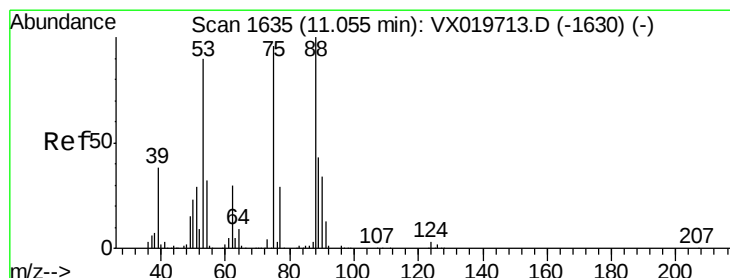
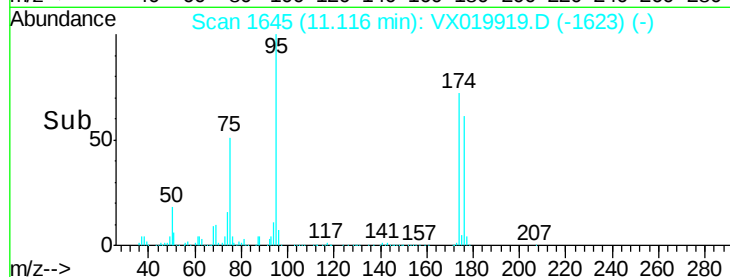
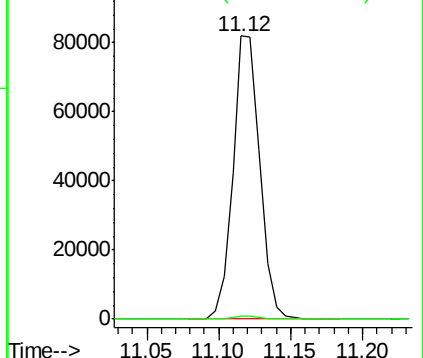
75 100

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: 65.954 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019919.D

Acq: 12 Dec 2020 09:39

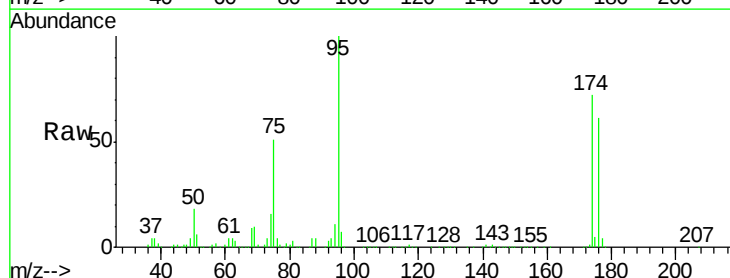
Tgt Ion: 75 Resp: 106726

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



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

