

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019738.D
 Acq On : 04 Dec 2020 23:33
 Operator : JC/MD
 Sample : L4953-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-MWE7-120220

Quant Time: Dec 05 03:55:25 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	330751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	540643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	494393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	204531	47.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.10%
35) Dibromofluoromethane	5.46	113	163864	46.90	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.80%
50) Toluene-d8	8.70	98	654590	49.07	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.14%
62) 4-Bromofluorobenzene	11.12	95	235233	46.33	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.66%

Target Compounds

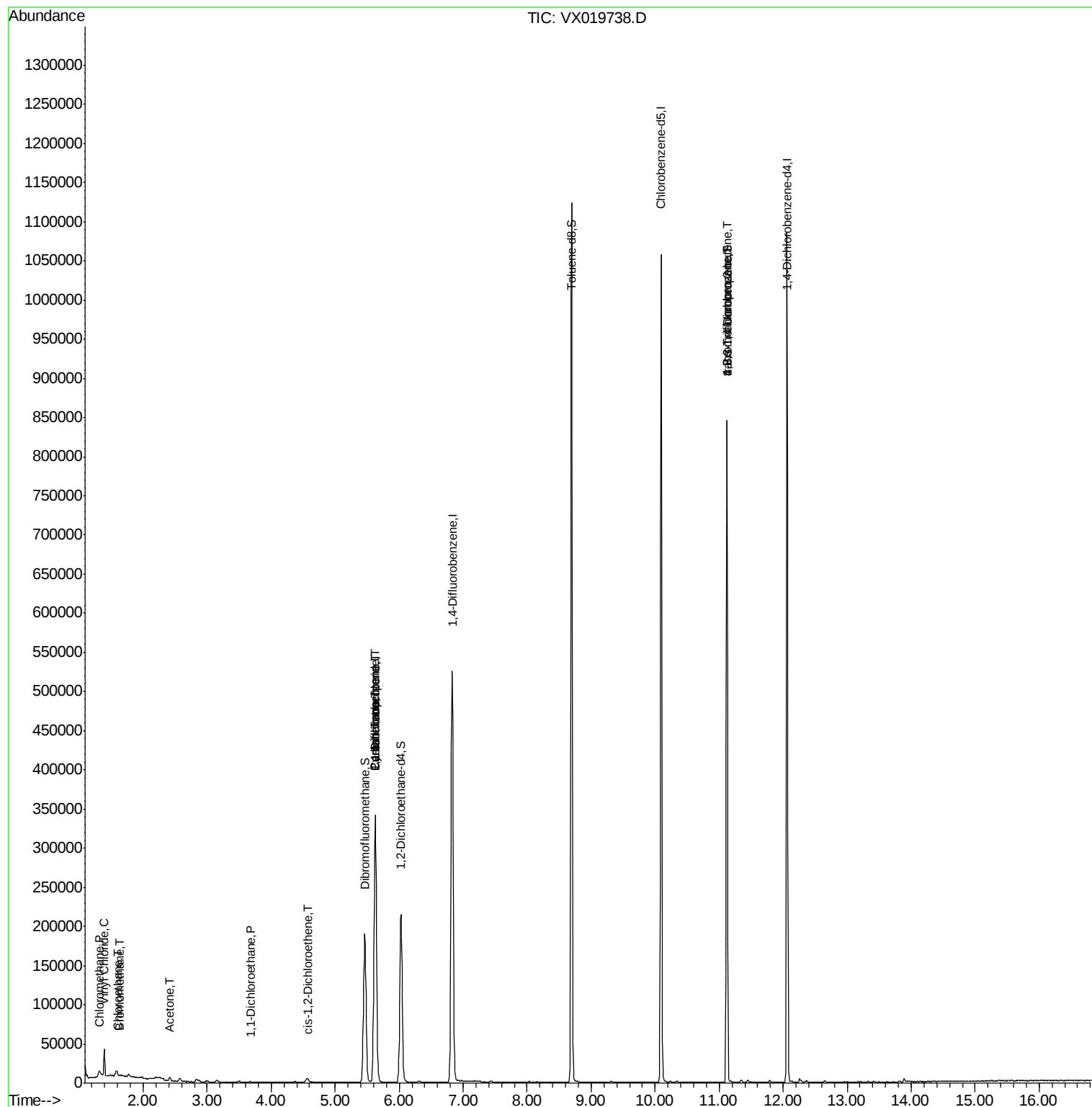
					Qvalue	
3) Chloromethane	1.31	50	1056	0.297	ug/l	90
4) Vinyl Chloride	1.39	62	19320	5.145	ug/l	93
5) Bromomethane	1.63	94	588	0.472	ug/l #	58
6) Chloroethane	1.61	64	746	0.331	ug/l #	63
11) Tert butyl alcohol	3.00	59	1040	Below Cal	#	73
16) Acetone	2.42	43	4972	3.043	ug/l	95
20) Methylene Chloride	2.83	84	1392	Below Cal		87
24) 1,1-Dichloroethane	3.67	63	1281	0.205	ug/l #	81
27) cis-1,2-Dichloroethene	4.57	96	3520	0.851	ug/l	92
31) Cyclohexane	5.63	56	6769	1.252	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24903	5.097	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32537	6.801	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	113522	23.132	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	113522	66.871	ug/l #	12

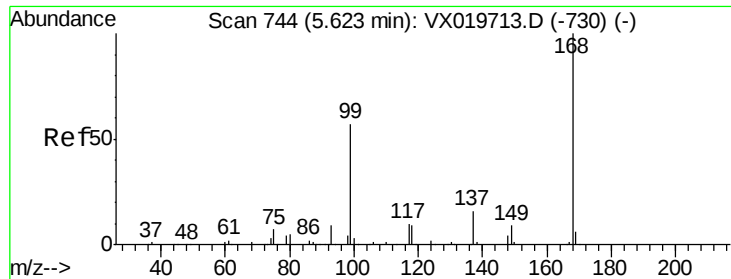
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
Data File : VX019738.D
Acq On : 04 Dec 2020 23:33
Operator : JC/MD
Sample : L4953-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ID039-39-MWE7-120220

Quant Time: Dec 05 03:55:25 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: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

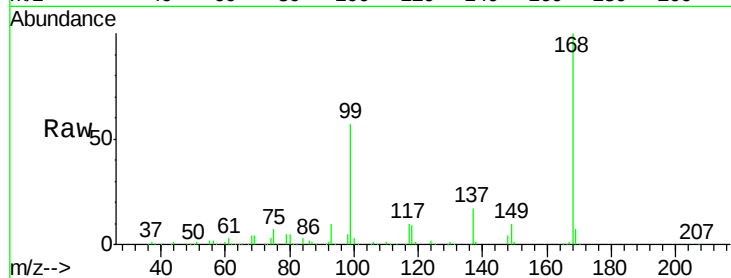
ID039-39-MWE7-120220

Tot Ion:168 Resp: 330751

Ion Ratio Lower Upper

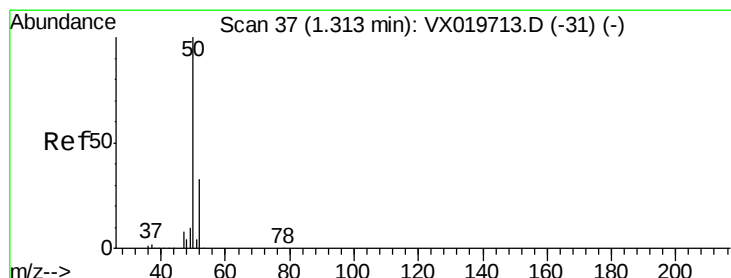
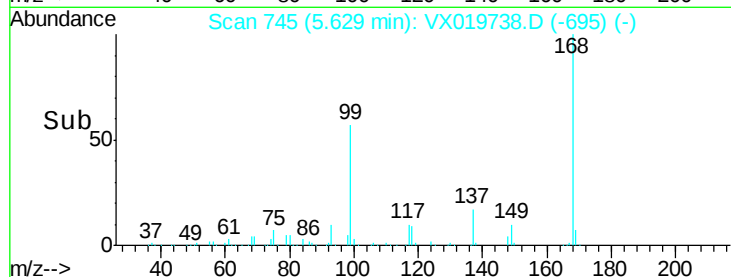
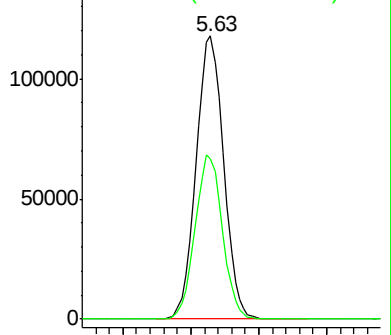
168 100

99 56.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.297 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019738.D

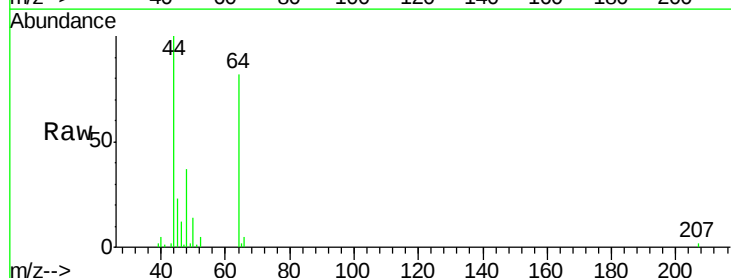
Acq: 04 Dec 2020 23:33

Tgt Ion: 50 Resp: 1056

Ion Ratio Lower Upper

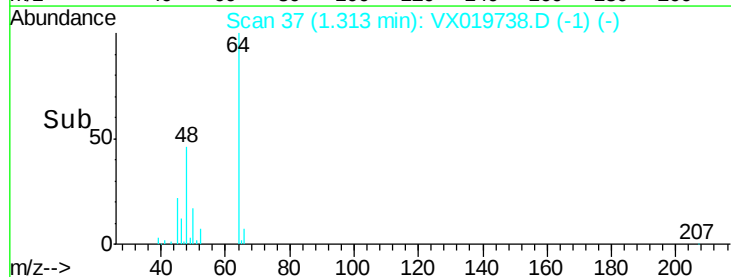
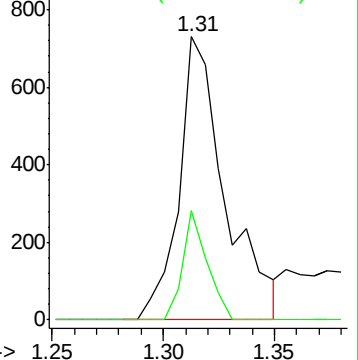
50 100

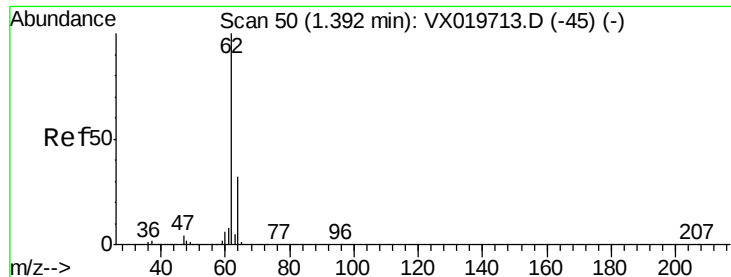
52 38.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 5.145 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

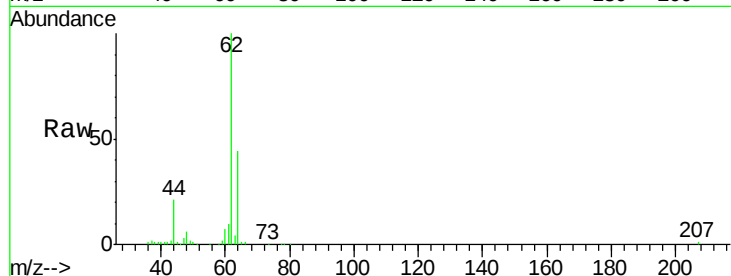
ID039-39-MWE7-120220

Tot Ion: 62 Resp: 19320

Ion Ratio Lower Upper

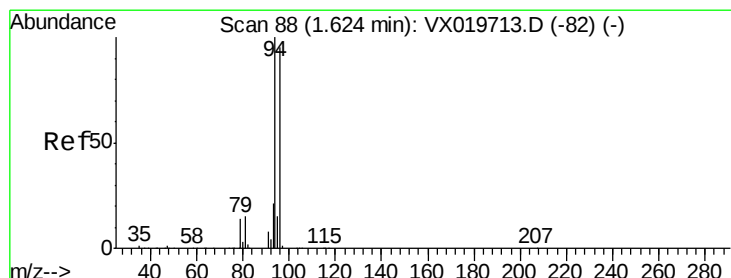
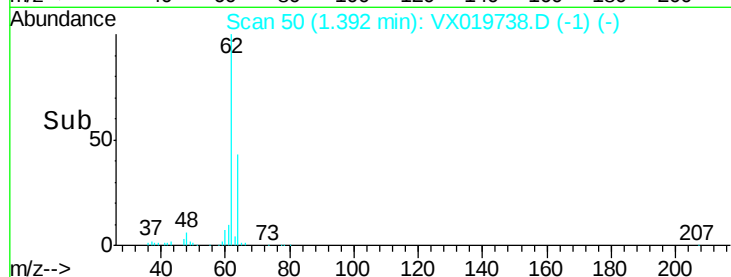
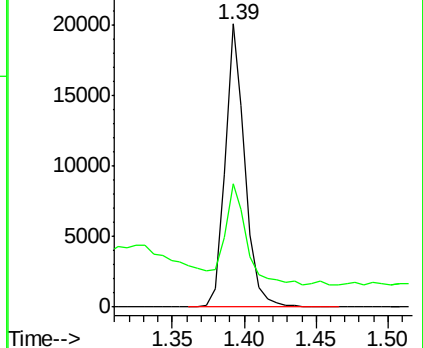
62 100

64 35.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.472 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019738.D

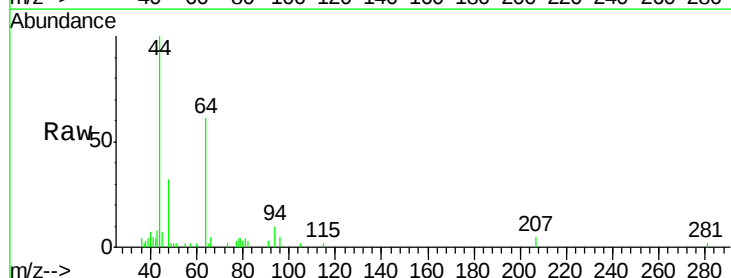
Acq: 04 Dec 2020 23:33

Tgt Ion: 94 Resp: 588

Ion Ratio Lower Upper

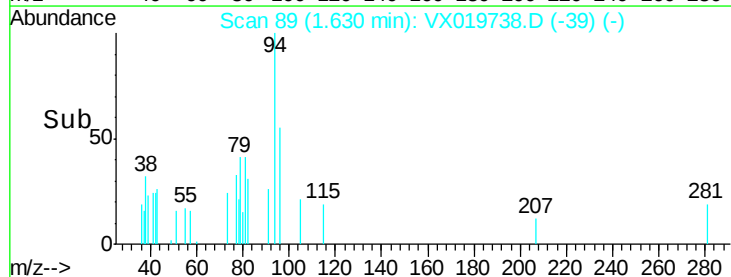
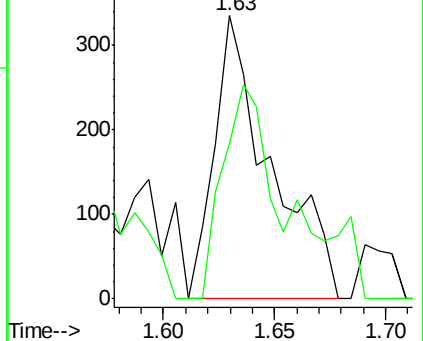
94 100

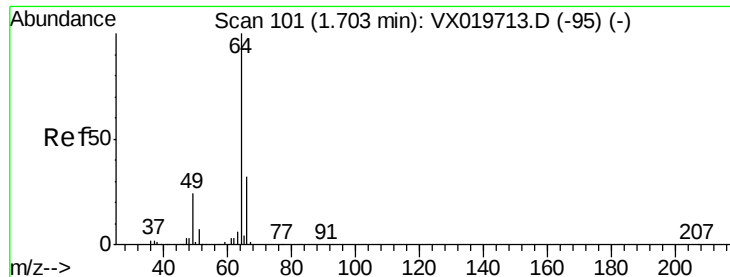
96 54.9 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.61 min Scan# 86

Delta R.T. -0.09 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

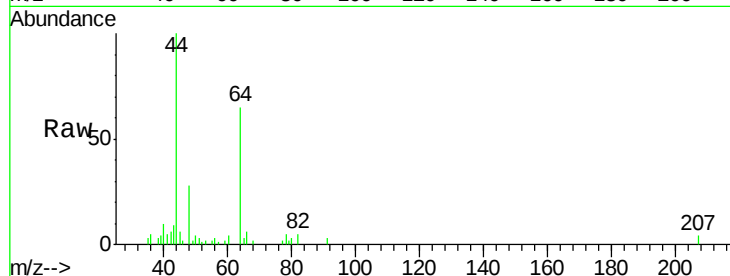
ID039-39-MWE7-120220

Tot Ion: 64 Resp: 746

Ion Ratio Lower Upper

64 100

66 11.4 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

1500

1000

500

0

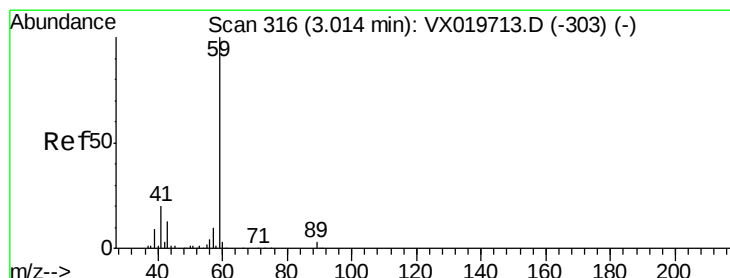
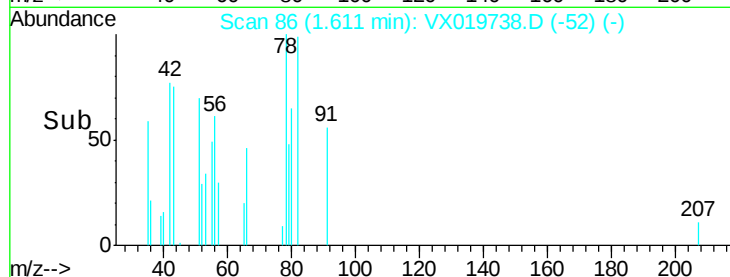
Time-->

1.58

1.60

1.62

1.61



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019738.D

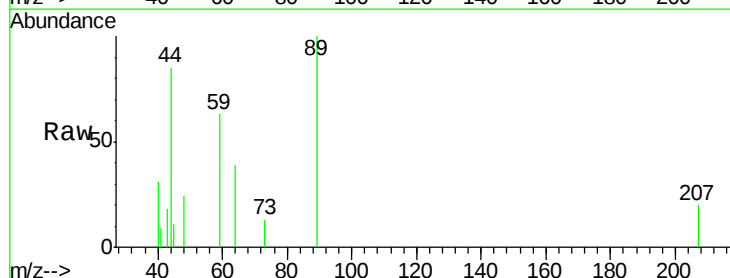
Acq: 04 Dec 2020 23:33

Tgt Ion: 59 Resp: 1040

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

500

400

300

200

100

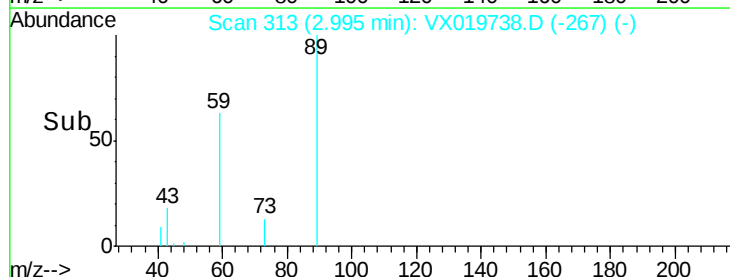
0

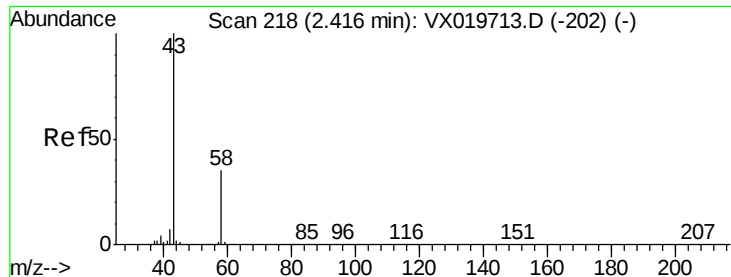
Time-->

2.95

3.00

3.05





#16

Acetone

Concen: 3.043 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

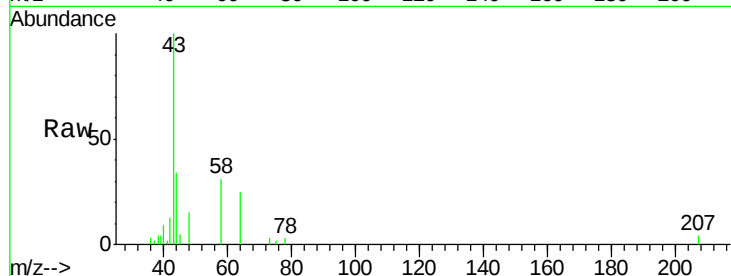
ID039-39-MWE7-120220

Tot Ion: 43 Resp: 4972

Ion Ratio Lower Upper

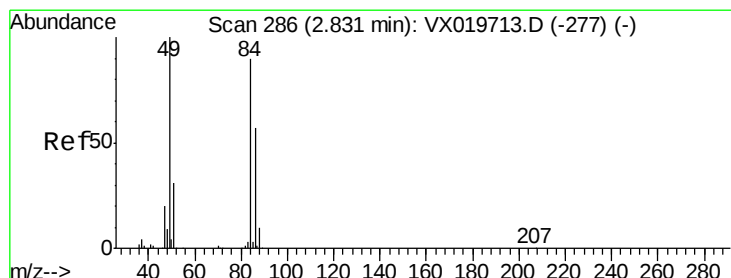
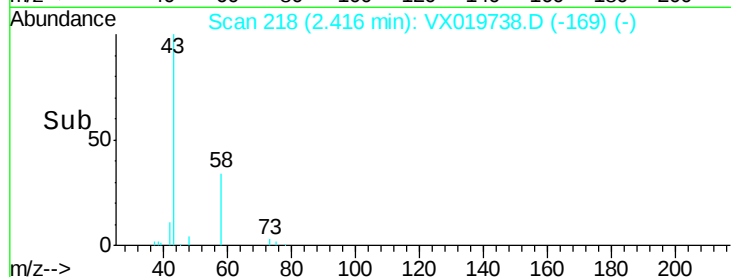
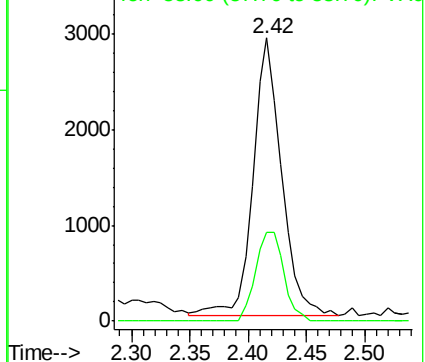
43 100

58 32.0 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: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Tgt Ion: 84 Resp: 1392

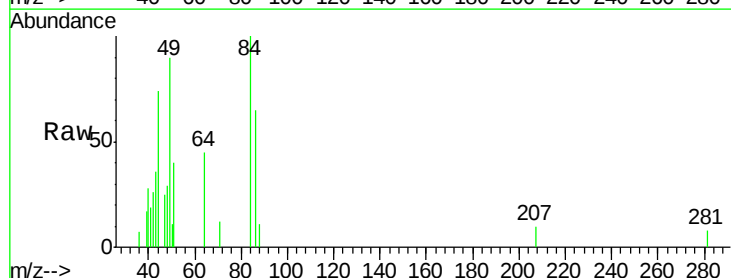
Ion Ratio Lower Upper

84 100

49 89.7 88.6 132.8

51 39.6 27.0 40.6

86 65.0 50.3 75.5

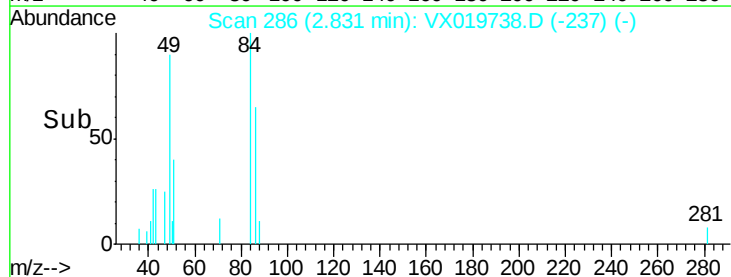
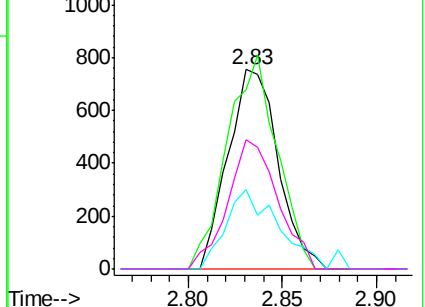


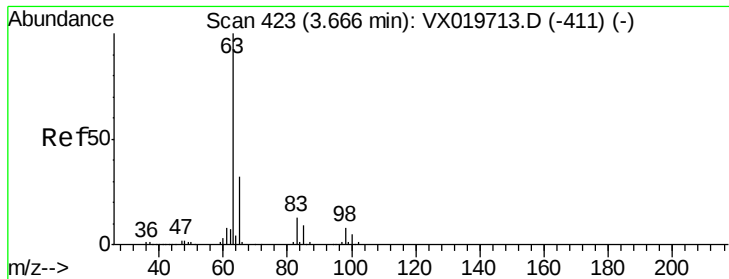
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#24

1,1-Dichloroethane

Concen: 0.205 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-MWE7-120220

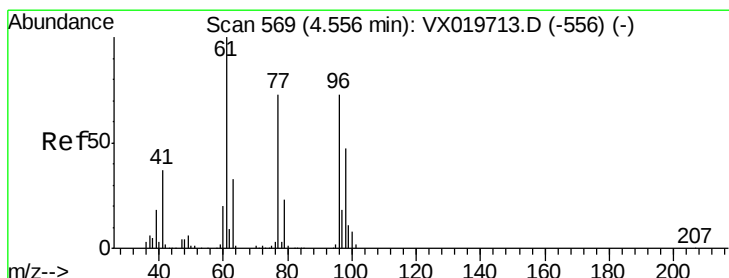
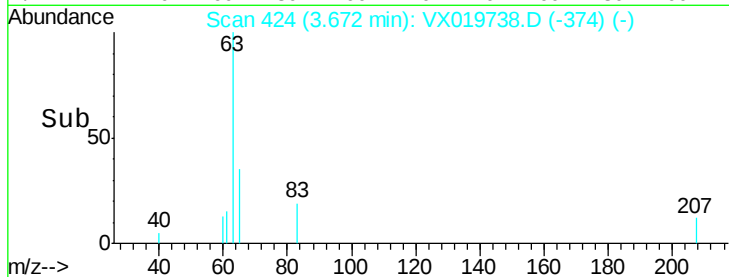
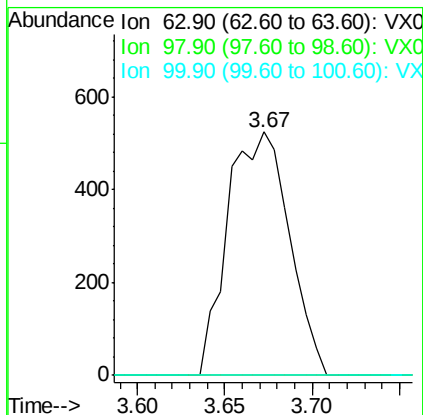
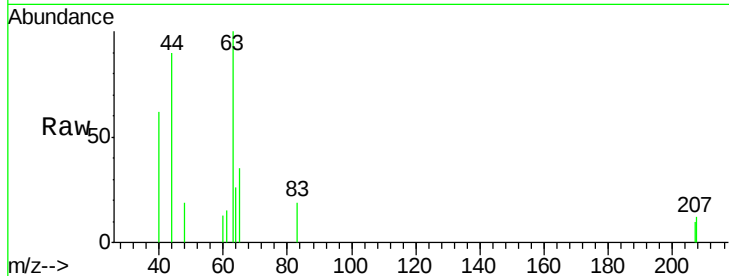
Tot Ion: 63 Resp: 1281

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#



#27

cis-1,2-Dichloroethene

Concen: 0.851 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

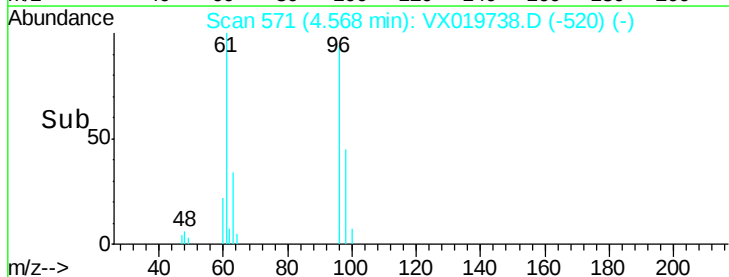
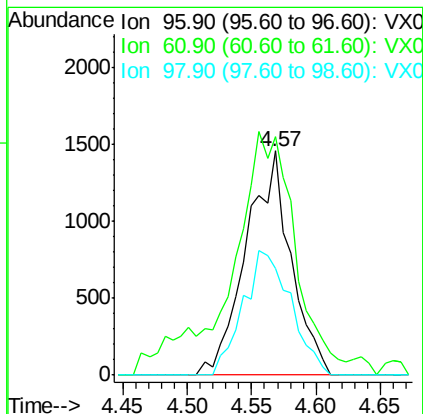
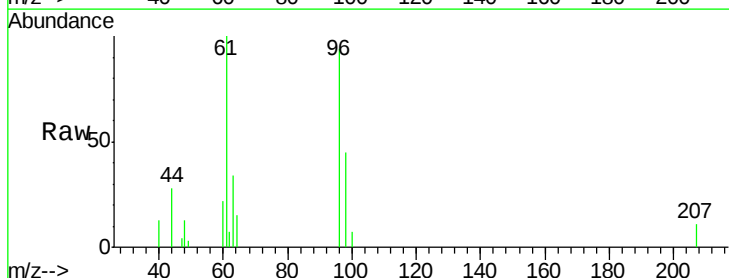
Tgt Ion: 96 Resp: 3520

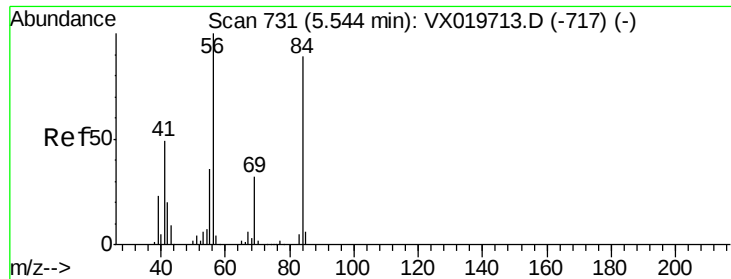
Ion Ratio Lower Upper

96 100

61 132.8 0.0 285.6

98 58.8 0.0 129.6

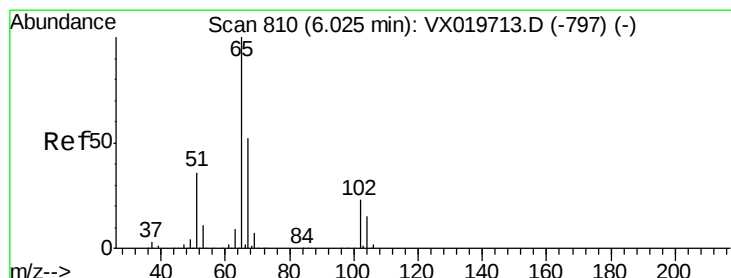
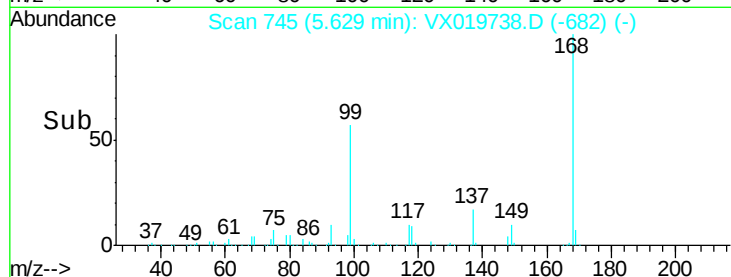
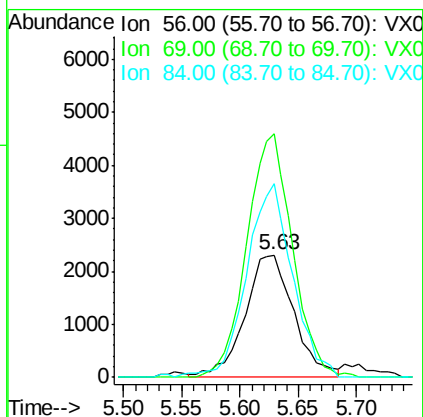
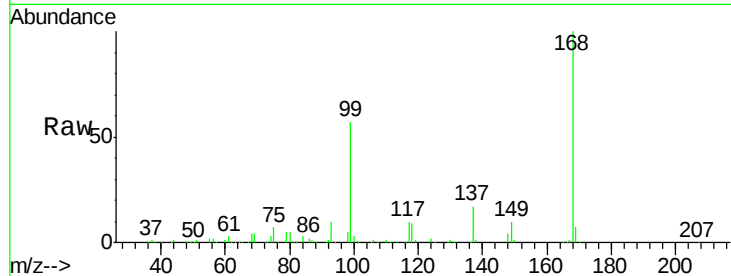




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019738.D
Acq: 04 Dec 2020 23:33

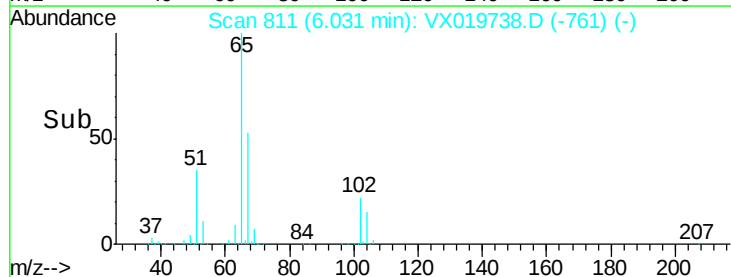
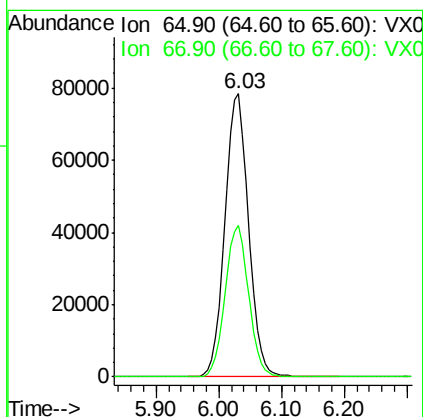
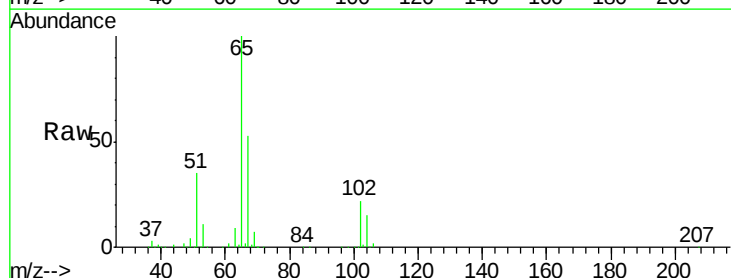
Instrument :
MSVOA_X
ClientSampleId :
ID039-39-MWE7-120220

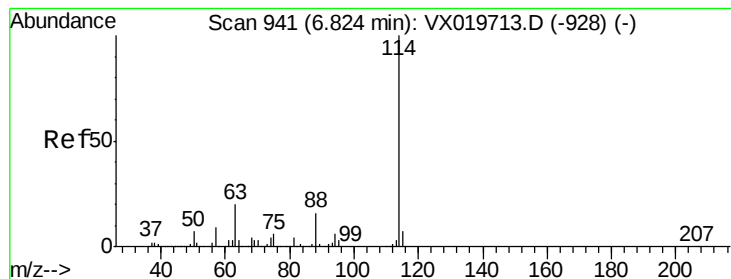
Tot Ion: 56 Resp: 6769
Ion Ratio Lower Upper
56 100
69 203.8 25.3 37.9#
84 162.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 47.051 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019738.D
Acq: 04 Dec 2020 23:33

Tgt Ion: 65 Resp: 204531
Ion Ratio Lower Upper
65 100
67 53.3 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: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-MWE7-120220

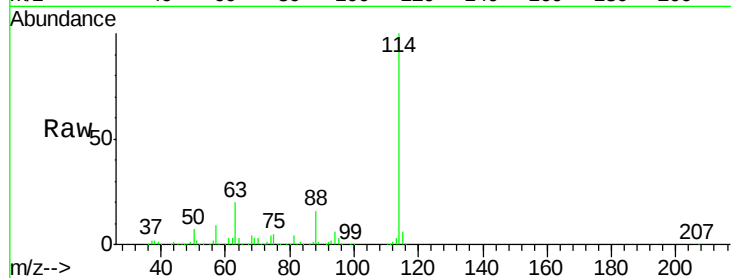
Tot Ion:114 Resp: 540643

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

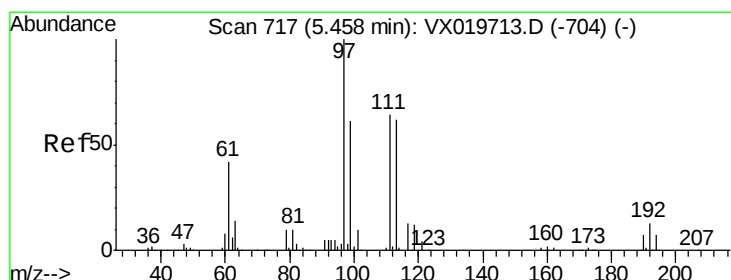
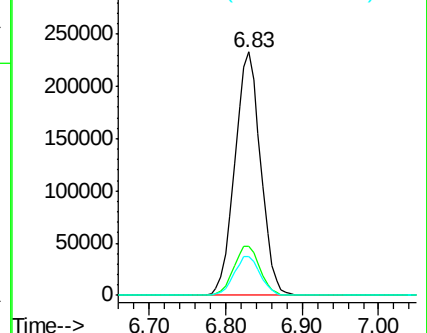
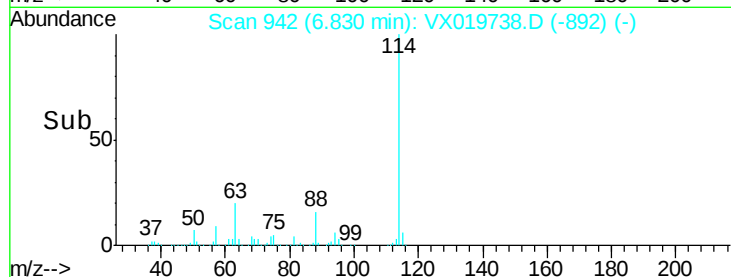
88 15.8 0.0 32.8



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: 46.897 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

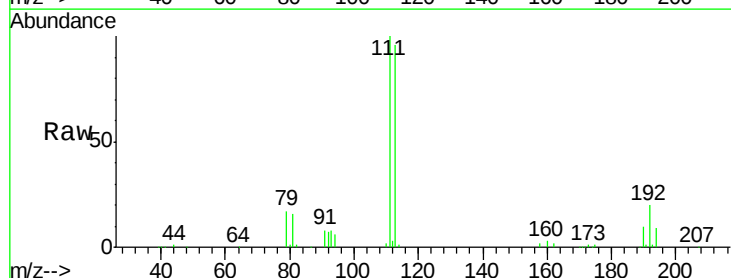
Tgt Ion:113 Resp: 163864

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

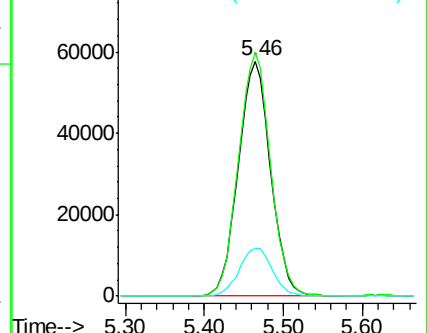
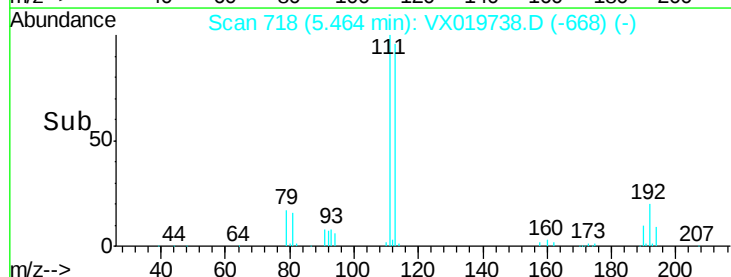
192 21.1 16.7 25.1

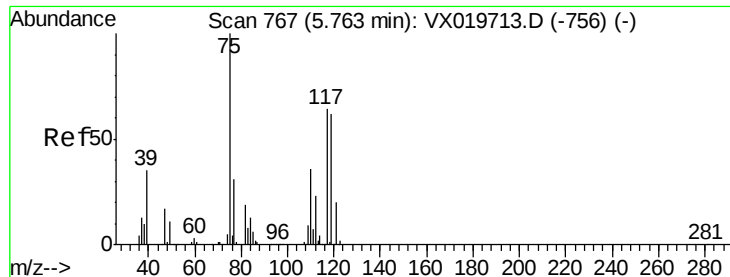


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-MWE7-120220

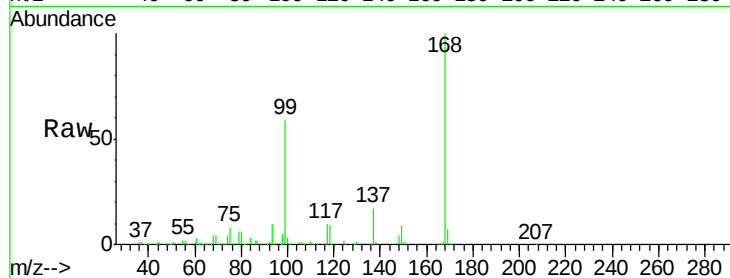
Tot Ion: 75 Resp: 24903

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 25.3 37.9#

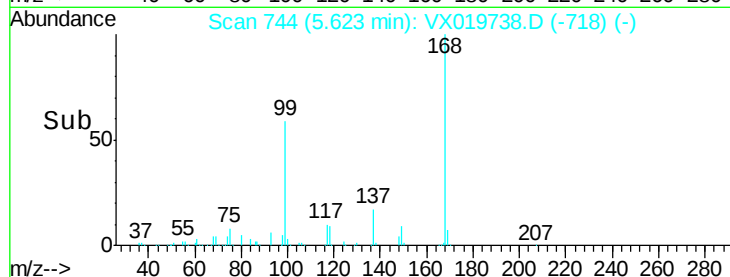


Abundance Ion 74.90 (74.60 to 75.60): VX019738.D (-718) (-)

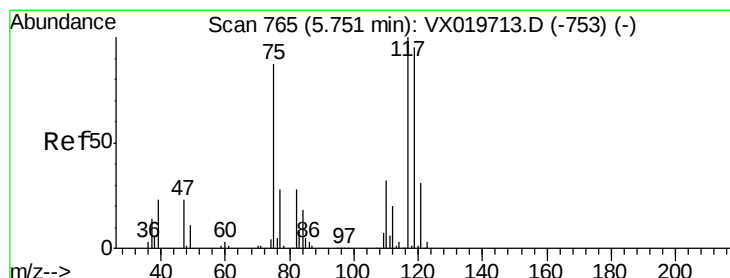
Ion 109.90 (109.60 to 110.60): VX019738.D (-718) (-)

Ion 76.90 (76.60 to 77.60): VX019738.D (-718) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.801 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

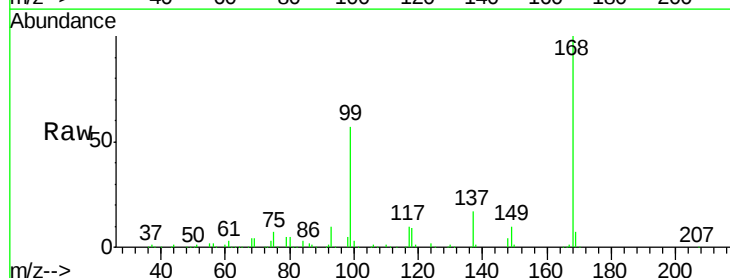
Tgt Ion: 117 Resp: 32537

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

121 0.0 24.8 37.2#

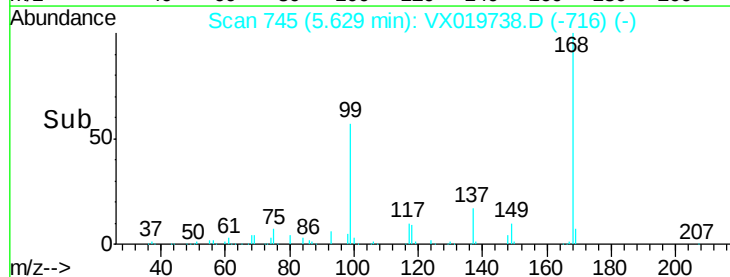


Abundance Ion 116.80 (116.50 to 117.50): VX019738.D (-716) (-)

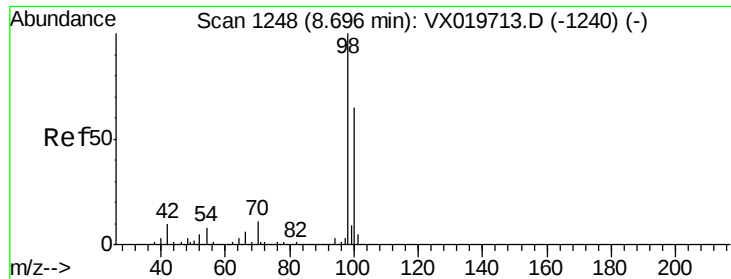
Ion 118.80 (118.50 to 119.50): VX019738.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX019738.D (-716) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 49.071 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

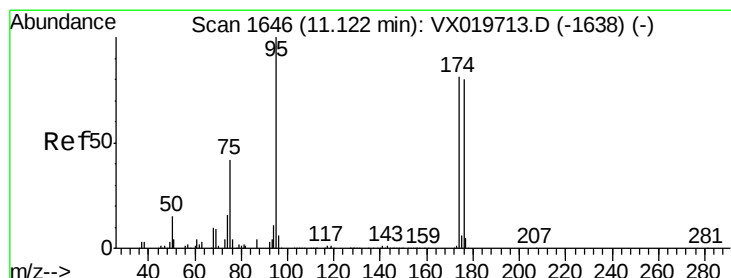
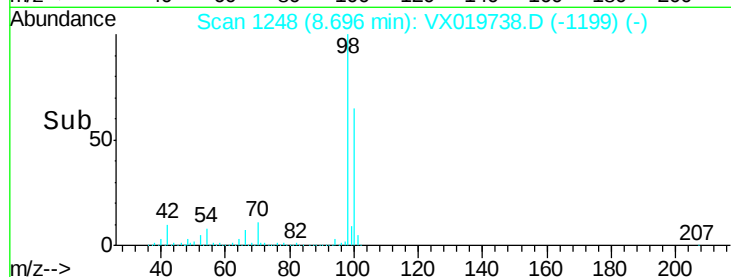
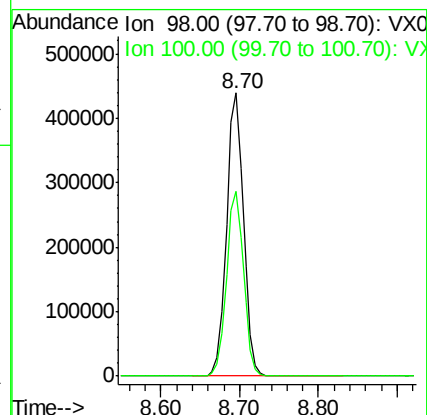
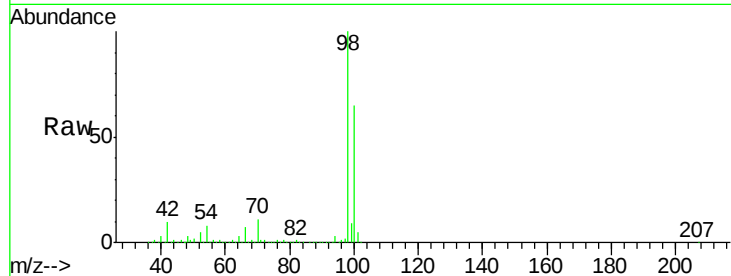
ID039-39-MWE7-120220

Tot Ion: 98 Resp: 654590

Ion Ratio Lower Upper

98 100

100 66.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 46.331 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

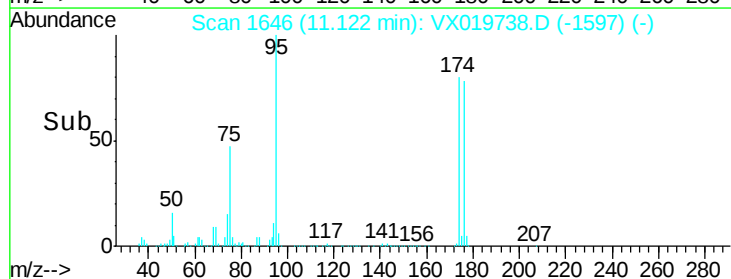
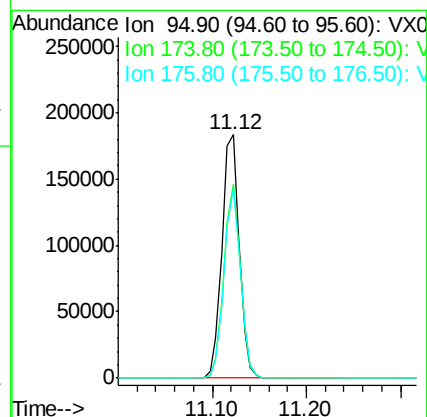
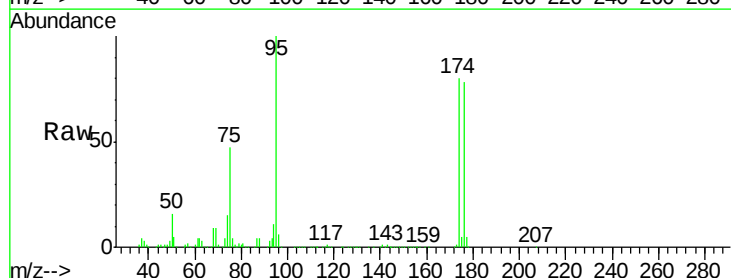
Tgt Ion: 95 Resp: 235233

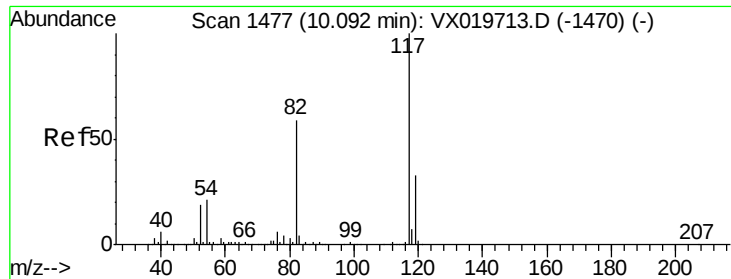
Ion Ratio Lower Upper

95 100

174 76.6 0.0 154.6

176 74.9 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: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-MWE7-120220

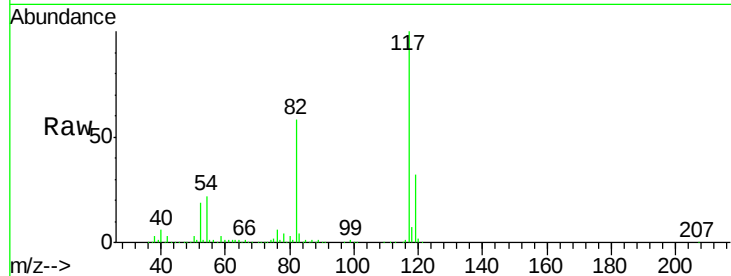
Tot Ion:117 Resp: 494393

Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.2

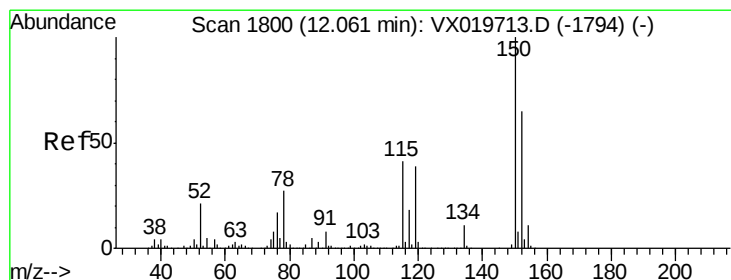
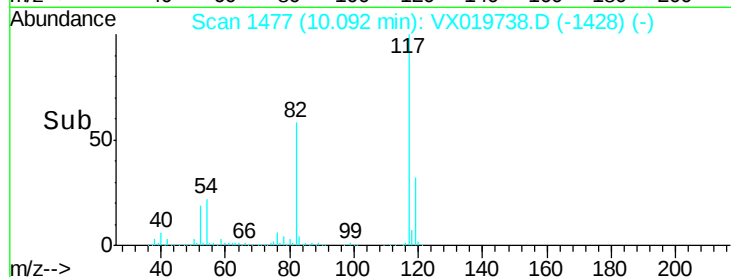
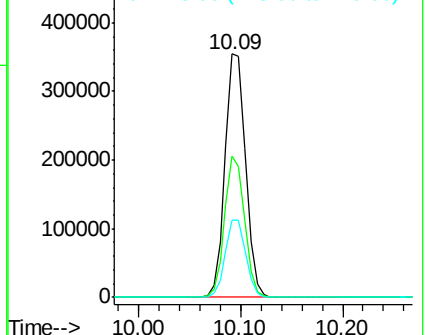
119 31.9 26.6 39.8



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: VX019738.D

Acq: 04 Dec 2020 23:33

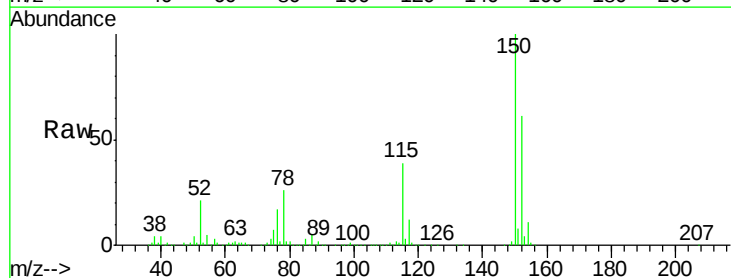
Tgt Ion:152 Resp: 218809

Ion Ratio Lower Upper

152 100

115 59.6 41.1 123.3

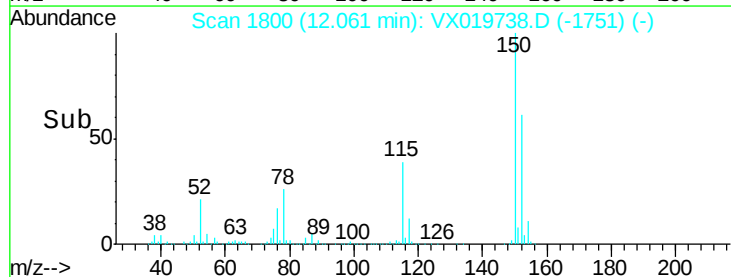
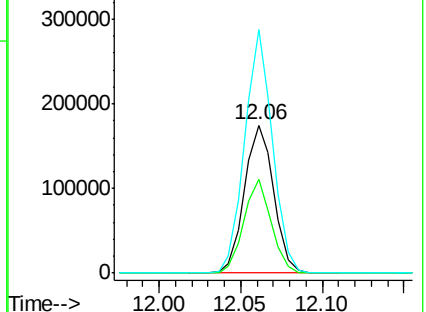
150 155.8 0.0 349.0

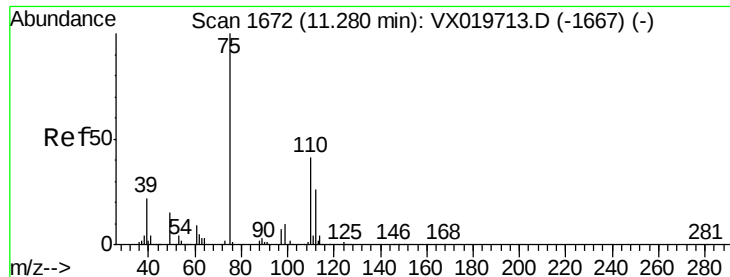


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.132 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Instrument :

MSVOA_X

ClientSampleId :

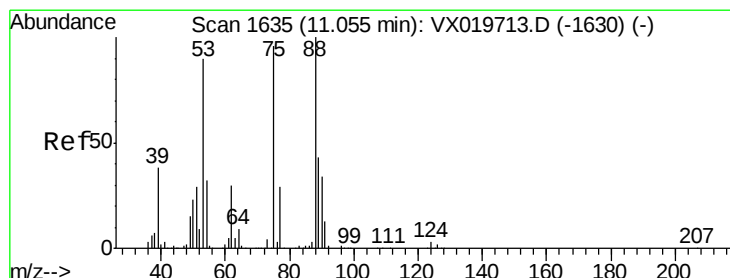
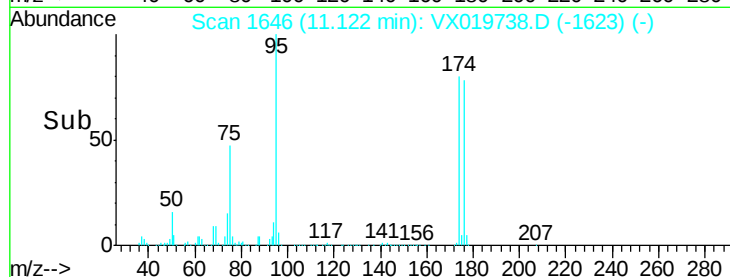
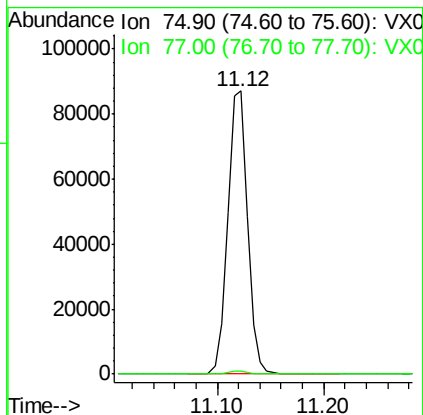
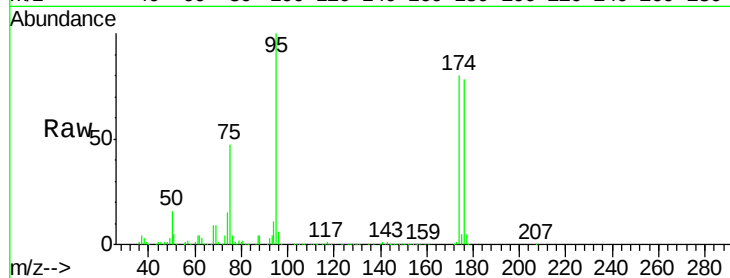
ID039-39-MWE7-120220

Tot Ion: 75 Resp: 113522

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.871 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019738.D

Acq: 04 Dec 2020 23:33

Tgt Ion: 75 Resp: 113522

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

