

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019735.D
 Acq On : 04 Dec 2020 22:23
 Operator : JC/MD
 Sample : L4953-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-6148-120220

Quant Time: Dec 05 03:54:10 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	352458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	574081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	514198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	211720	45.70	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.40%
35) Dibromofluoromethane	5.46	113	171957	46.35	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.70%
50) Toluene-d8	8.70	98	686356	48.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.92%
62) 4-Bromofluorobenzene	11.12	95	242657	45.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.02%

Target Compounds

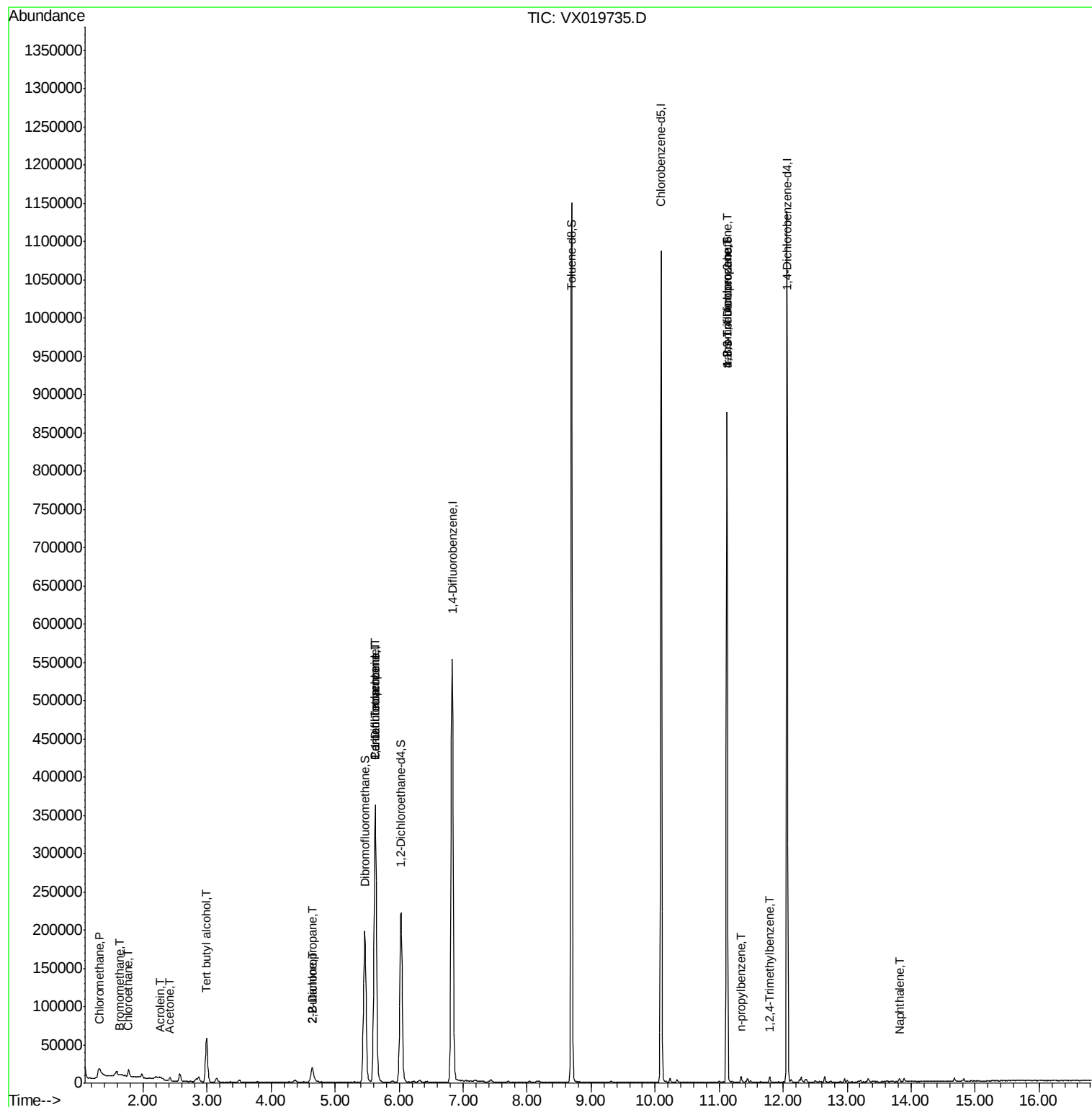
					Qvalue	
3) Chloromethane	1.31	50	1577	0.416	ug/l	93
5) Bromomethane	1.64	94	789	0.594	ug/l	85
6) Chloroethane	1.75	64	1033	0.430	ug/l #	57
11) Tert butyl alcohol	2.99	59	35064	34.567	ug/l #	78
13) Acrolein	2.27	56	331	0.647	ug/l #	14
16) Acetone	2.42	43	4442	2.551	ug/l	100
20) Methylene Chloride	2.83	84	1146	Below Cal	#	81
25) 2-Butanone	4.64	43	1669	0.624	ug/l #	84
26) 2,2-Dichloropropane	4.64	77	1766	0.308	ug/l #	52
36) 1,1-Dichloropropene	5.62	75	26849	5.176	ug/l #	48
38) Carbon Tetrachloride	5.62	117	33993	6.692	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	116442	22.829	ug/l #	39
78) n-propylbenzene	11.34	91	3716	0.209	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.12	75	116442	65.996	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	3258	0.247	ug/l	96
95) Naphthalene	13.82	128	3320	0.221	ug/l	96

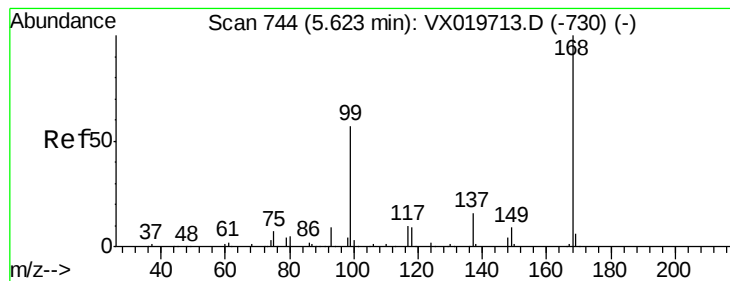
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
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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: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

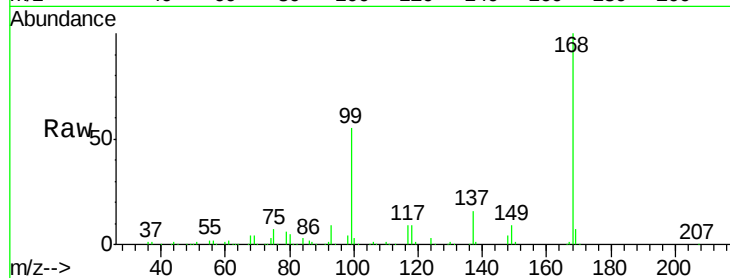
ID039-39-6148-120220

Tot Ion:168 Resp: 352458

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

5.63

150000

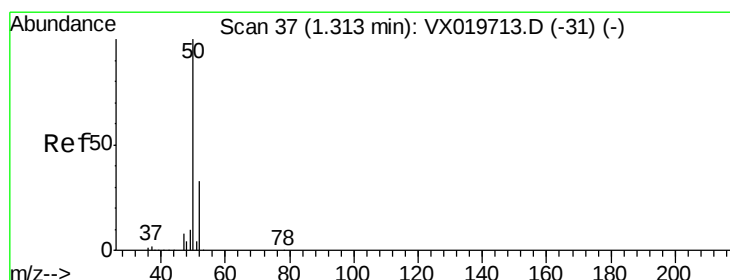
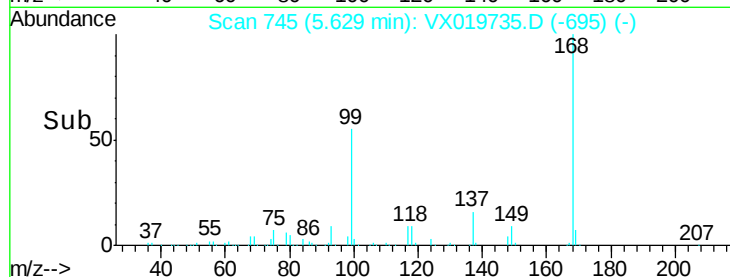
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.416 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019735.D

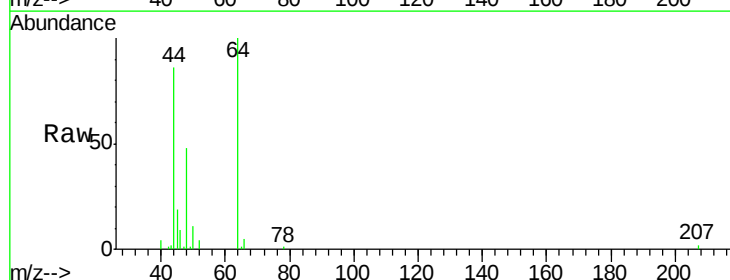
Acq: 04 Dec 2020 22:23

Tgt Ion: 50 Resp: 1577

Ion Ratio Lower Upper

50 100

52 37.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

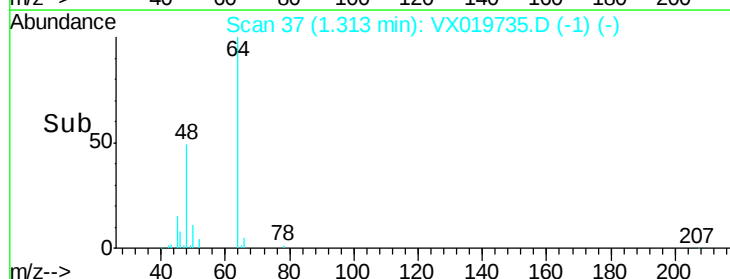
400

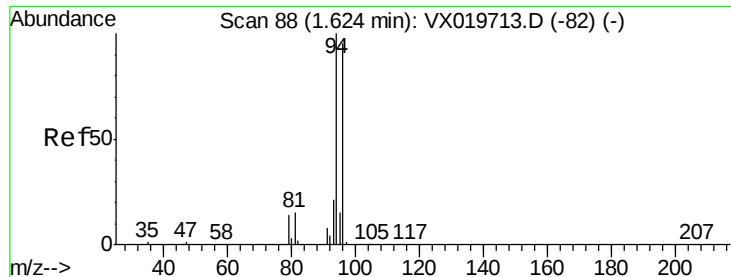
200

0

Time-->

1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.594 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

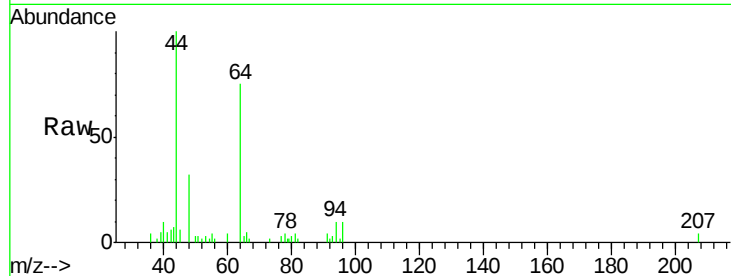
ID039-39-6148-120220

Tot Ion: 94 Resp: 789

Ion Ratio Lower Upper

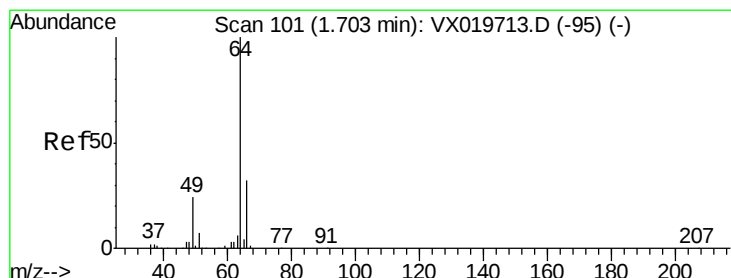
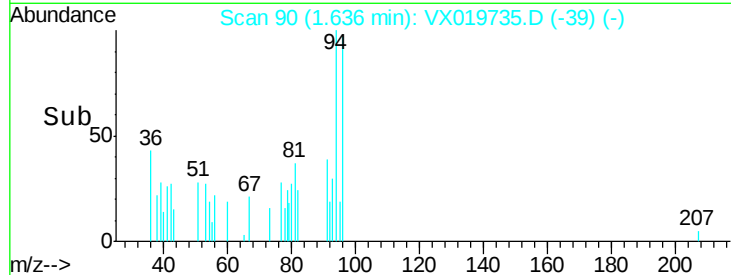
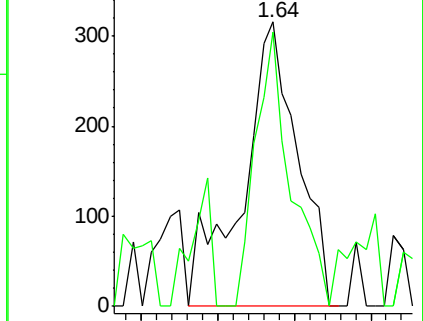
94 100

96 80.7 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: 0.430 ug/l

RT: 1.75 min Scan# 109

Delta R.T. 0.05 min

Lab File: VX019735.D

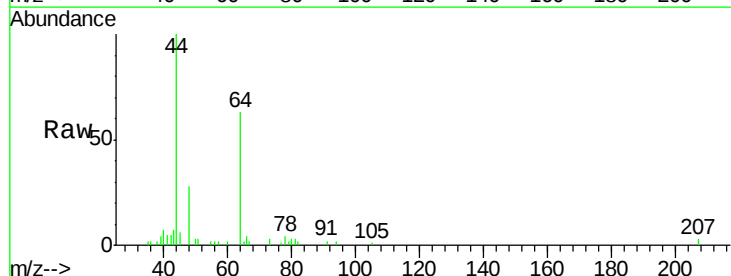
Acq: 04 Dec 2020 22:23

Tgt Ion: 64 Resp: 1033

Ion Ratio Lower Upper

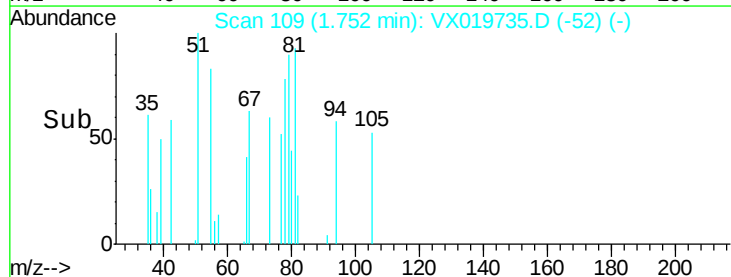
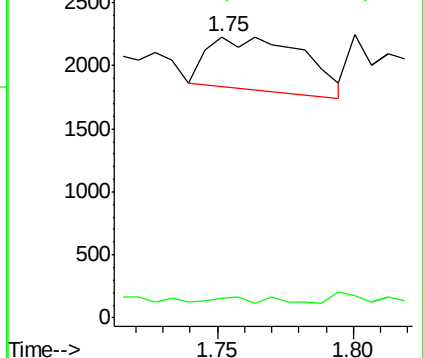
64 100

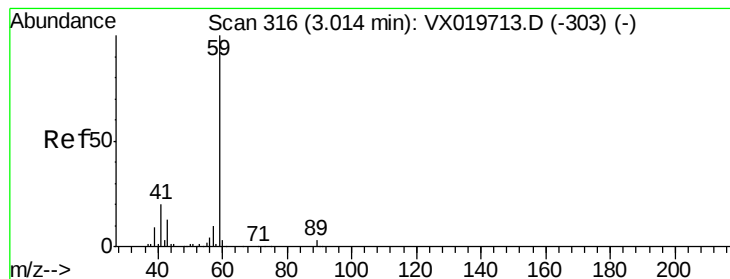
66 7.6 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



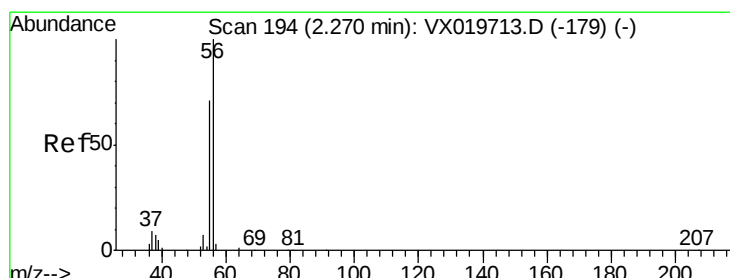
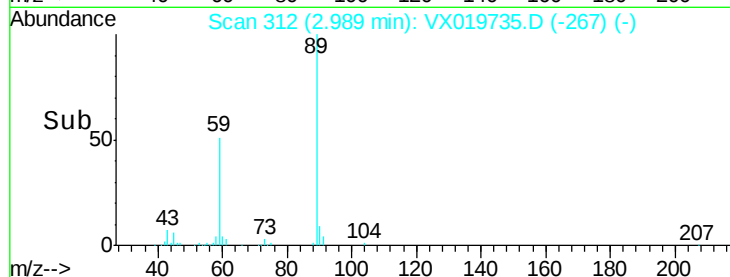
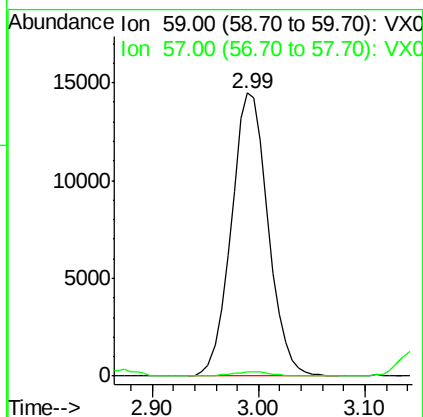
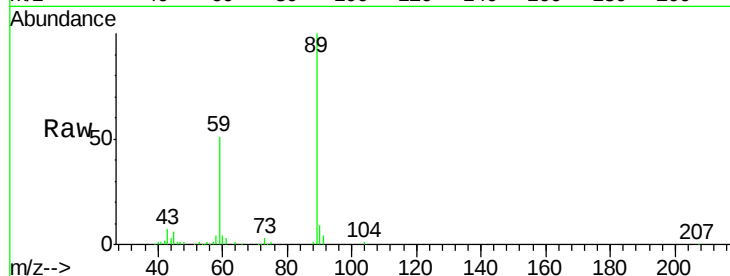


#11

Tert butyl alcohol
 Concen: 34.567 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX019735.D
 Acq: 04 Dec 2020 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-6148-120220

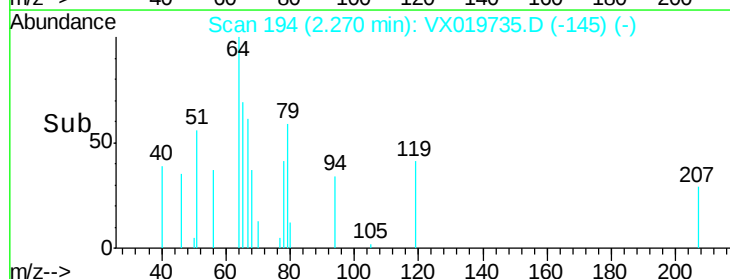
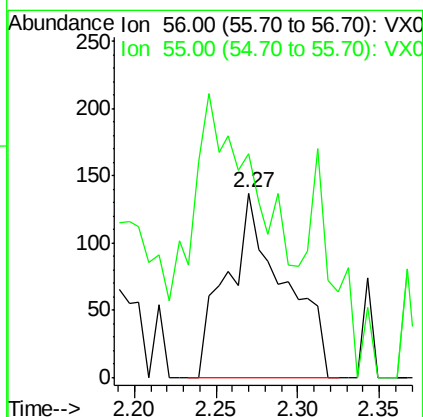
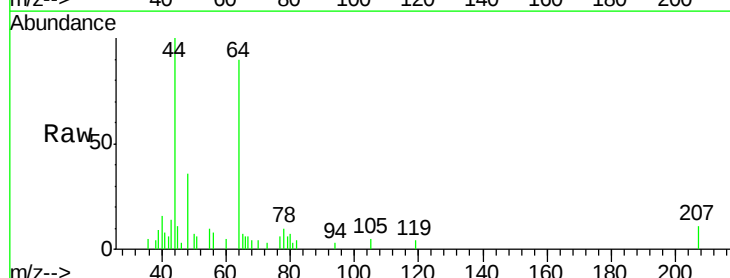
Tot Ion: 59 Resp: 35064
 Ion Ratio Lower Upper
 59 100
 57 1.7 7.8 11.8#

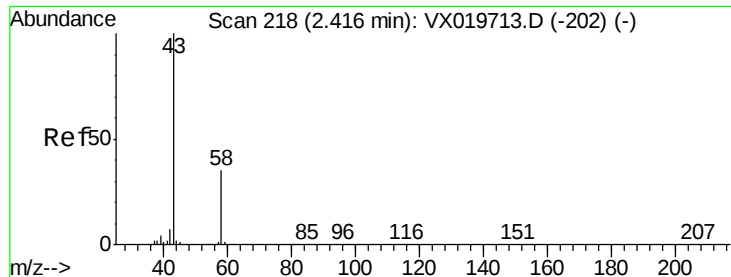


#13

Acrolein
 Concen: 0.647 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX019735.D
 Acq: 04 Dec 2020 22:23

Tgt Ion: 56 Resp: 331
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#





#16

Acetone

Concen: 2.551 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

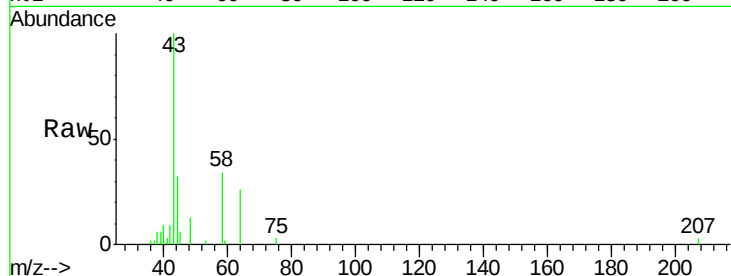
ID039-39-6148-120220

Tot Ion: 43 Resp: 4442

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

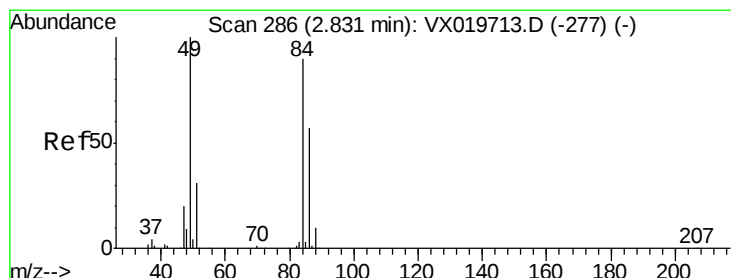
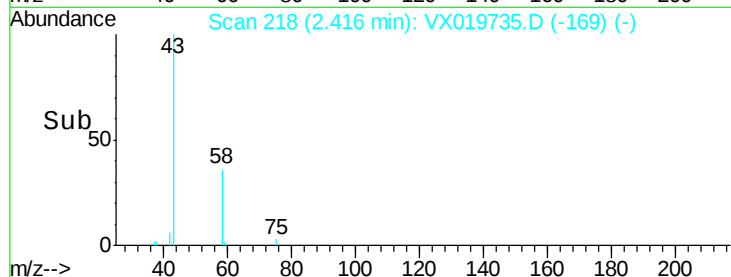
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Tgt Ion: 84 Resp: 1146

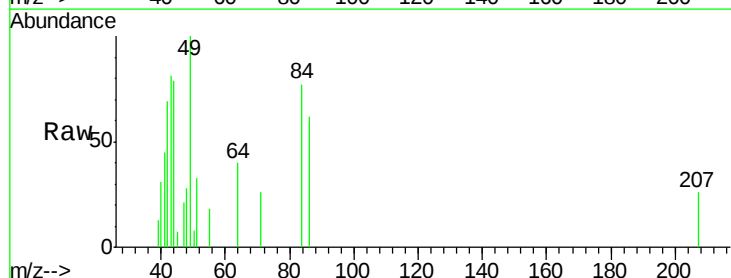
Ion Ratio Lower Upper

84 100

49 129.5 88.6 132.8

51 42.5 27.0 40.6#

86 80.7 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

1200

1000

800

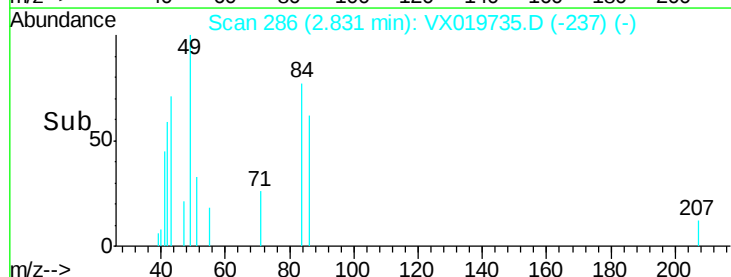
600

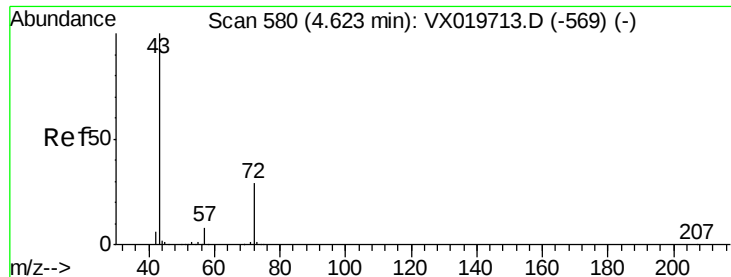
400

200

0

Time--> 2.80 2.85 2.90





#25

2-Butanone

Concen: 0.624 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

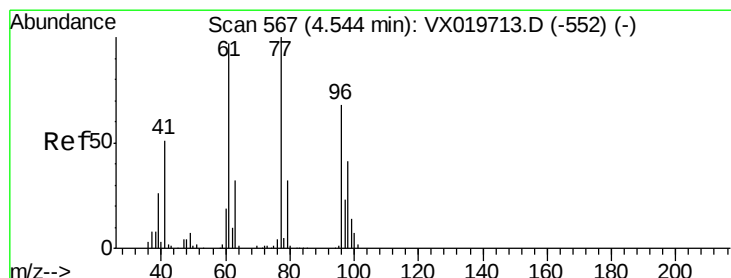
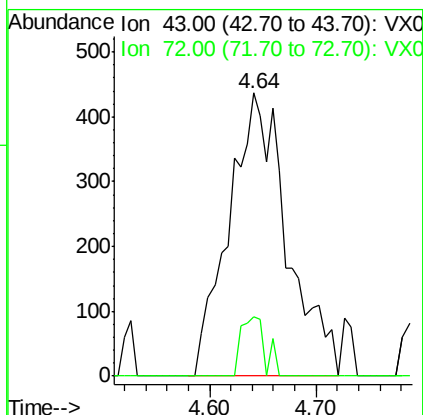
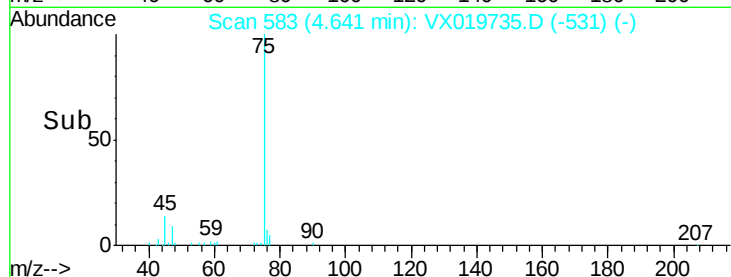
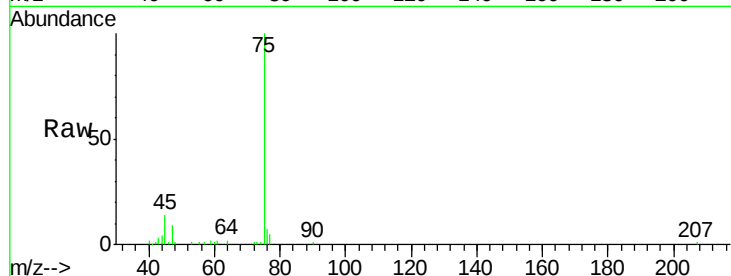
ID039-39-6148-120220

Tot Ion: 43 Resp: 1669

Ion Ratio Lower Upper

43 100

72 21.1 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.308 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.10 min

Lab File: VX019735.D

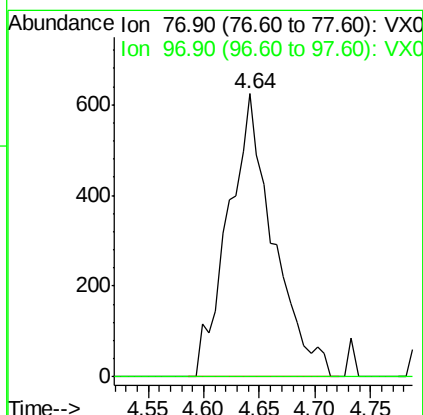
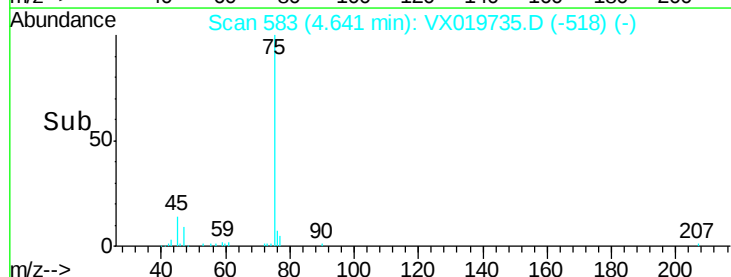
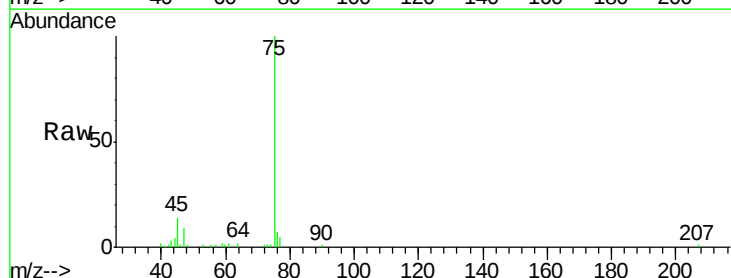
Acq: 04 Dec 2020 22:23

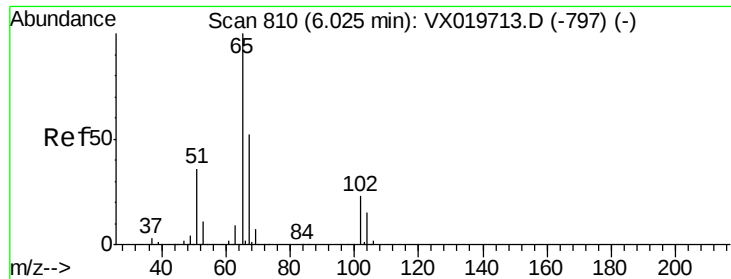
Tgt Ion: 77 Resp: 1766

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#33

1,2-Dichloroethane-d4

Concen: 45.705 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

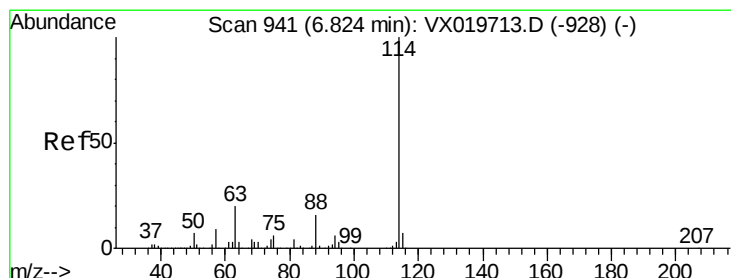
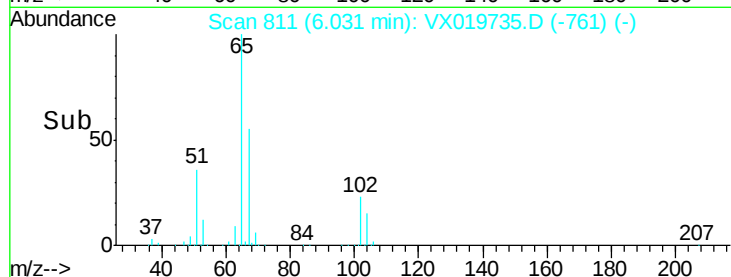
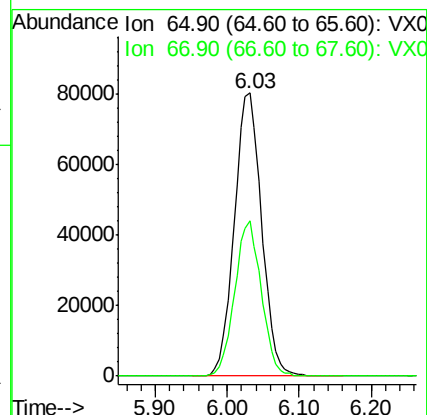
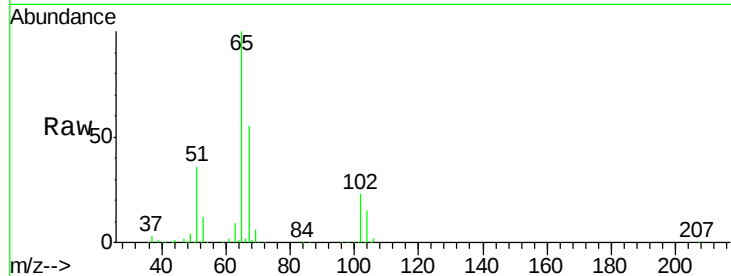
ID039-39-6148-120220

Tot Ion: 65 Resp: 211720

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: VX019735.D

Acq: 04 Dec 2020 22:23

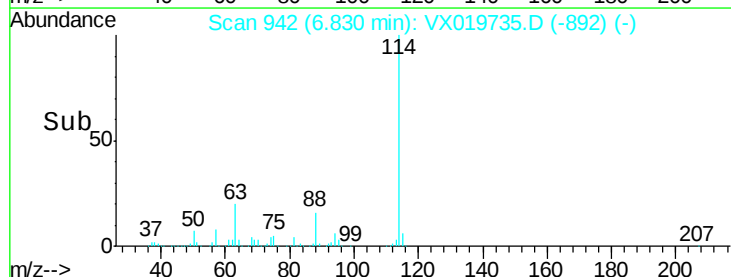
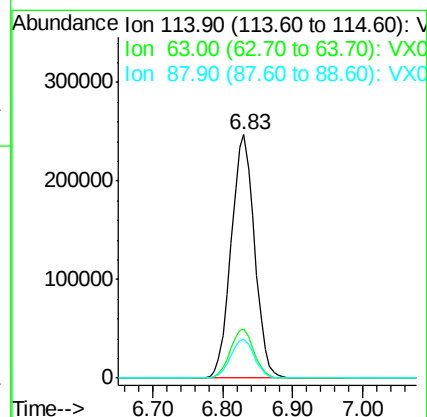
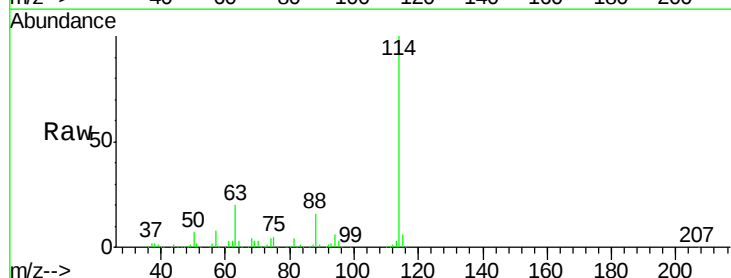
Tgt Ion: 114 Resp: 574081

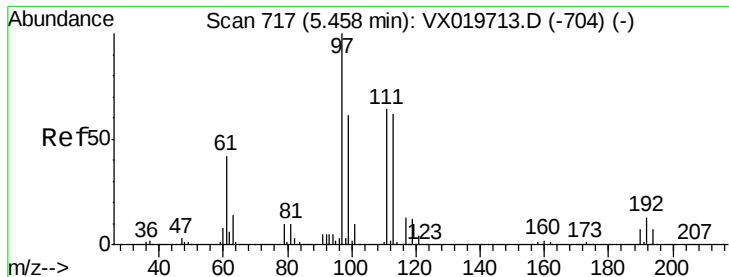
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.7 0.0 32.8

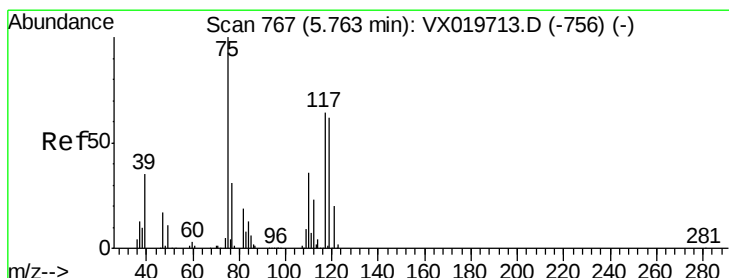
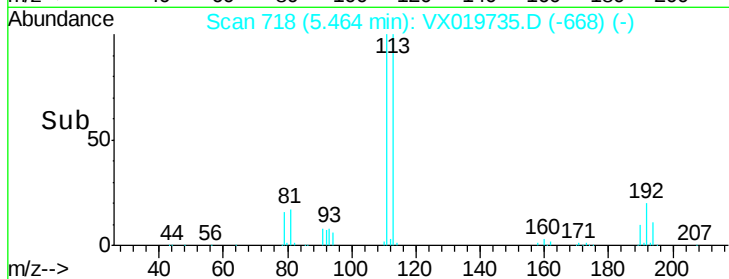
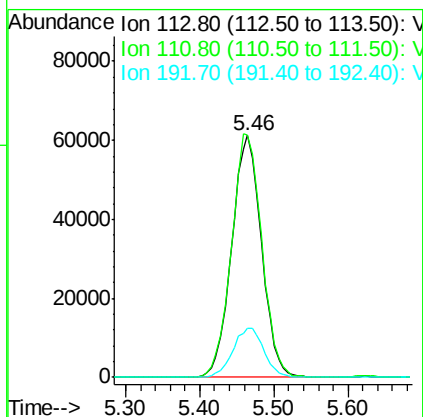
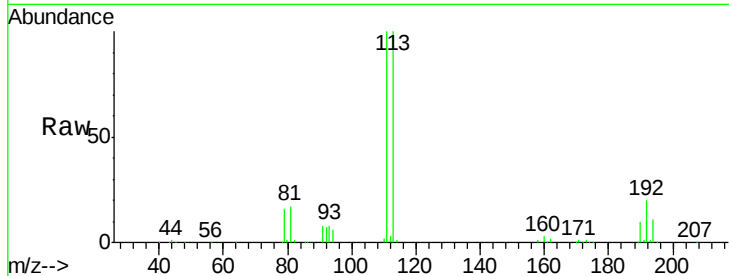




#35
 Dibromofluoromethane
 Concen: 46.347 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019735.D
 Acq: 04 Dec 2020 22:23

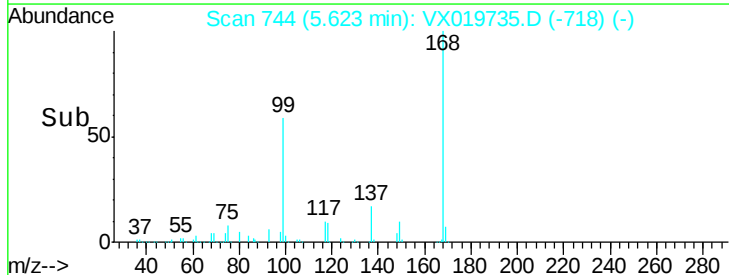
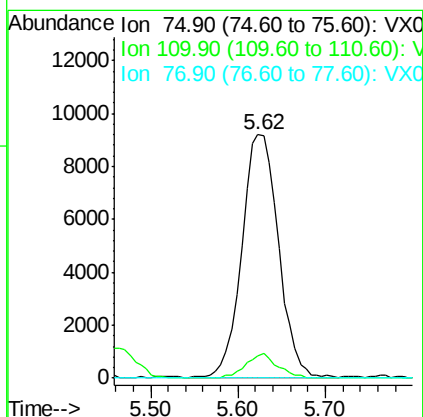
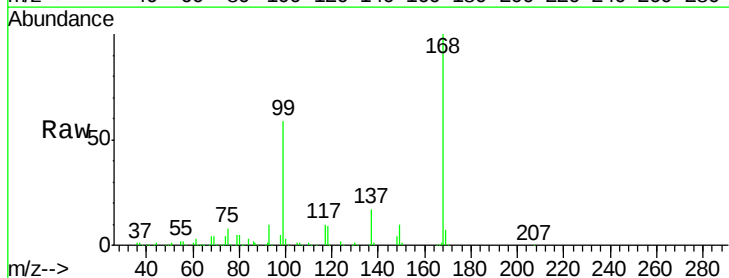
Instrument :
 MSVOA_X
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 ID039-39-6148-120220

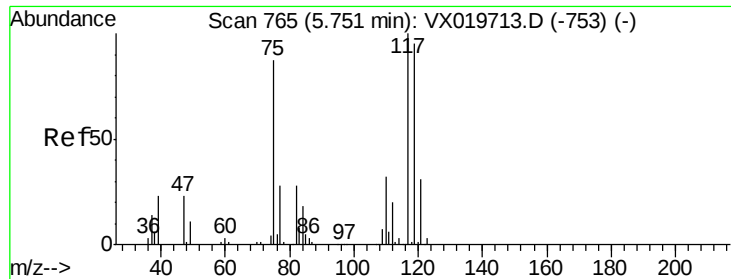
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	21.0	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.176 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019735.D
 Acq: 04 Dec 2020 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#

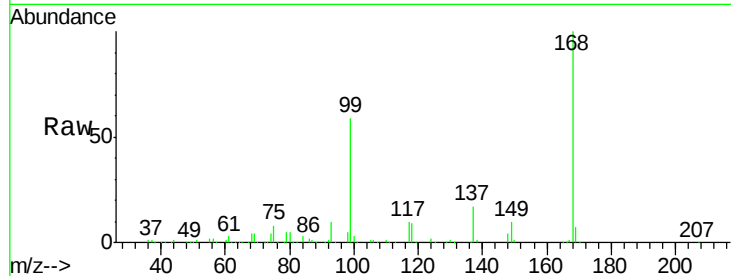




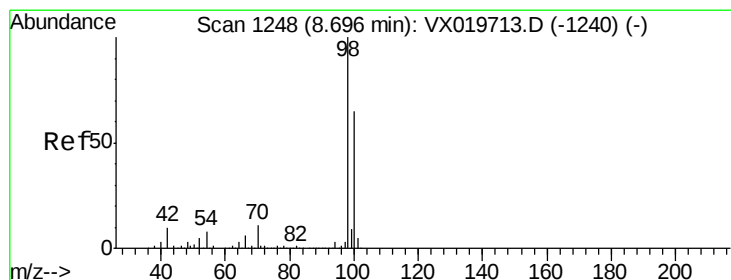
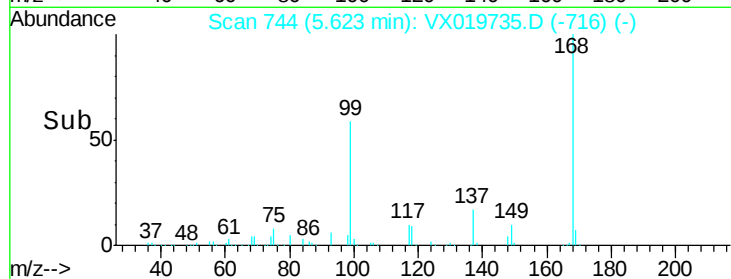
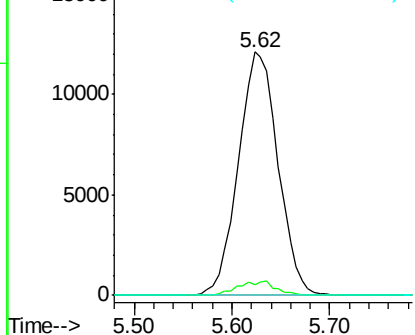
#38
Carbon Tetrachloride
Concen: 6.692 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019735.D
Acq: 04 Dec 2020 22:23

Instrument :
MSVOA_X
ClientSampleId :
ID039-39-6148-120220

Tot Ion:117 Resp: 33993
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

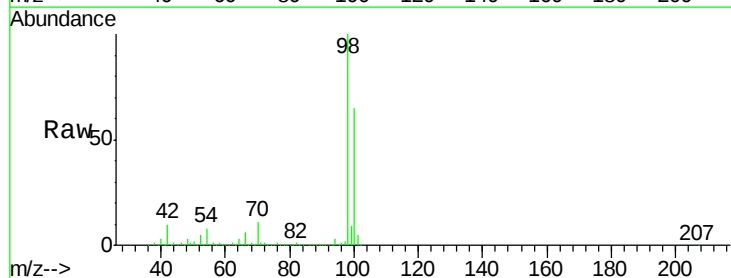


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

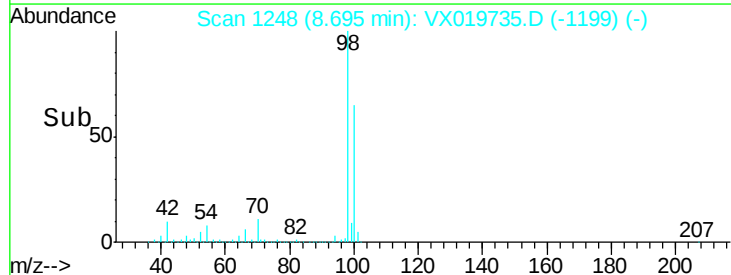
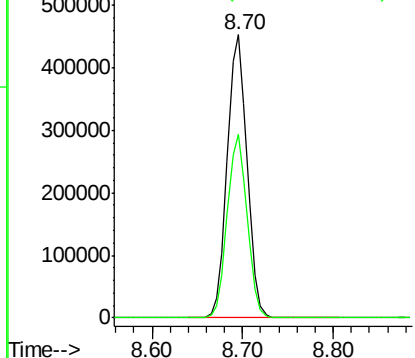


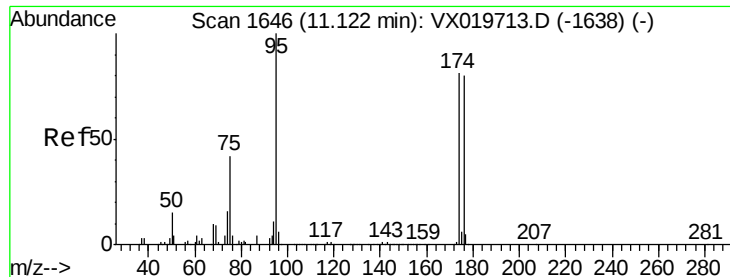
#50
Toluene-d8
Concen: 48.456 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019735.D
Acq: 04 Dec 2020 22:23

Tgt Ion: 98 Resp: 686356
Ion Ratio Lower Upper
98 100
100 64.8 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: 45.010 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6148-120220

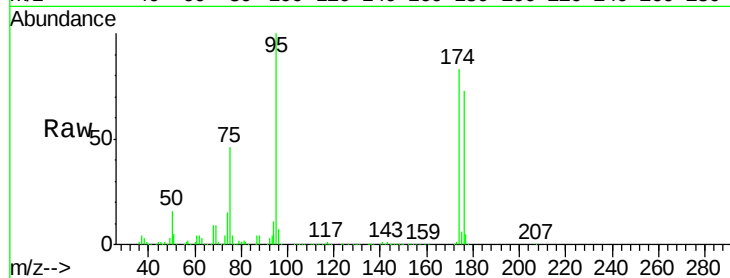
Tot Ion: 95 Resp: 242657

Ion Ratio Lower Upper

95 100

174 79.0 0.0 154.6

176 74.7 0.0 155.8

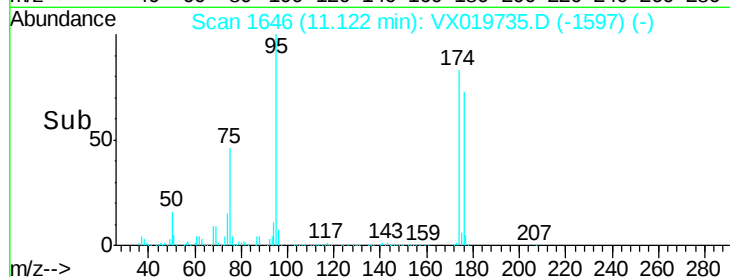


Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)

Time-->

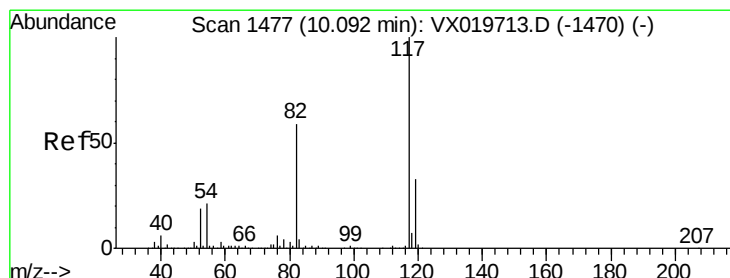


Abundance Ion 94.90 (94.60 to 95.60): VX019735.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019735.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019735.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

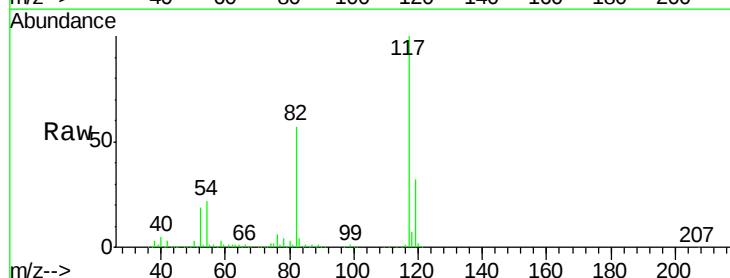
Tgt Ion: 117 Resp: 514198

Ion Ratio Lower Upper

117 100

82 57.4 47.4 71.2

119 31.9 26.6 39.8

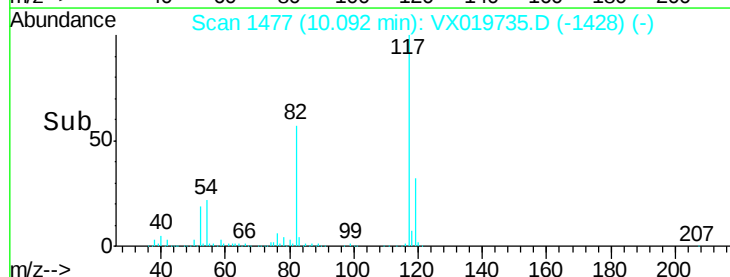


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)

Time-->

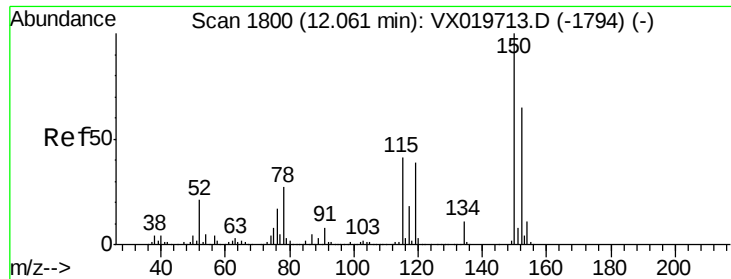


Abundance Ion 116.90 (116.60 to 117.60): VX019735.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019735.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019735.D (-1428) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019735.D

Acq: 04 Dec 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6148-120220

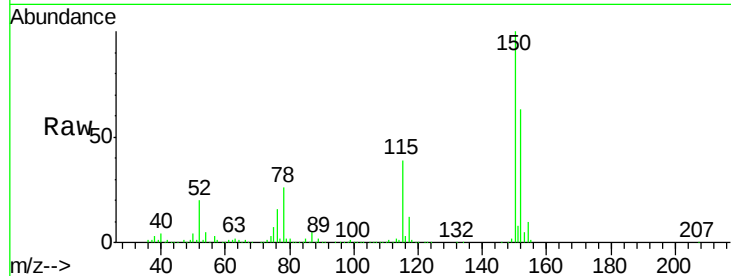
Tot Ion:152 Resp: 227415

Ion Ratio Lower Upper

152 100

115 60.7 41.1 123.3

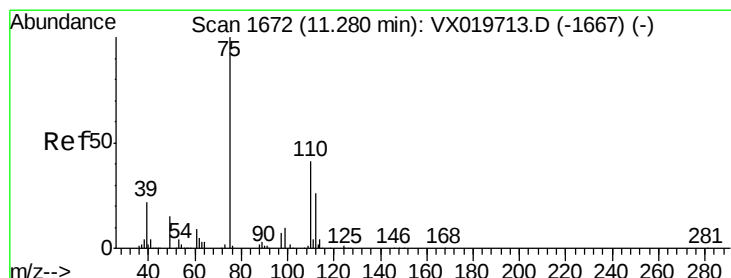
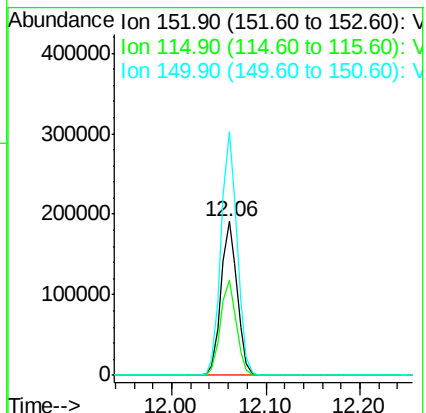
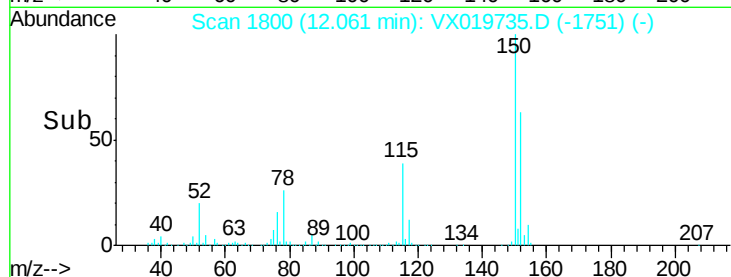
150 157.5 0.0 349.0



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: 22.829 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019735.D

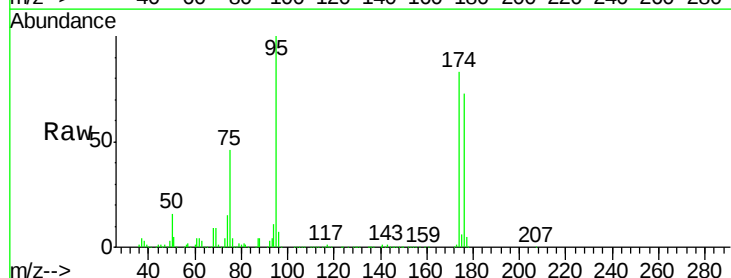
Acq: 04 Dec 2020 22:23

Tgt Ion: 75 Resp: 116442

Ion Ratio Lower Upper

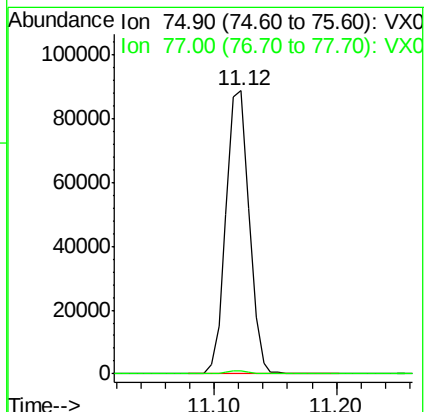
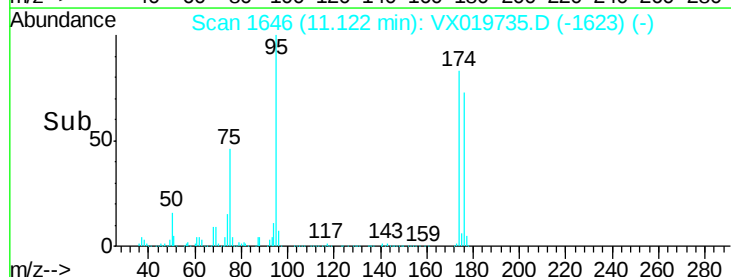
75 100

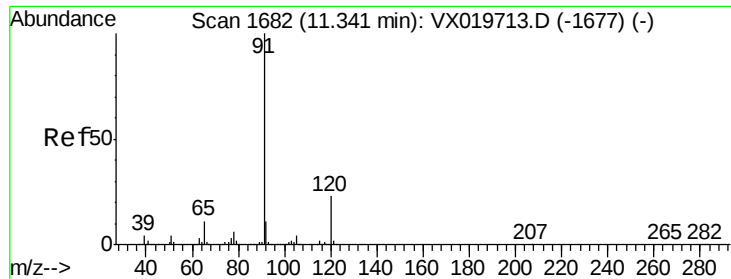
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

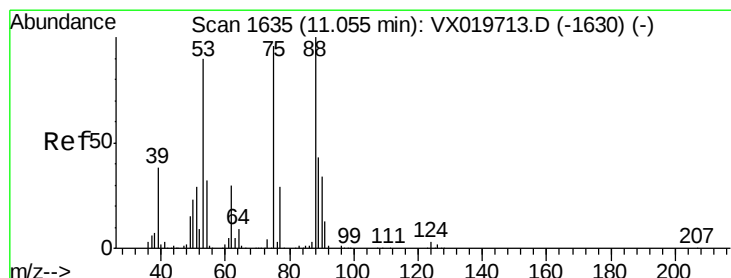
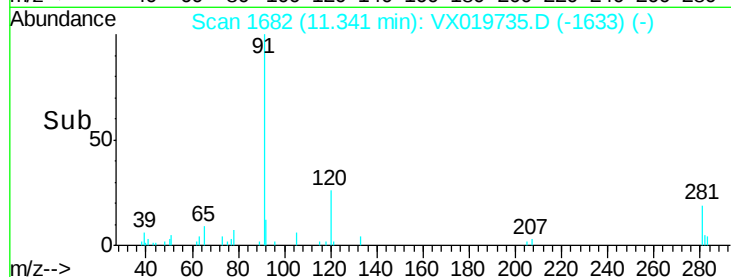
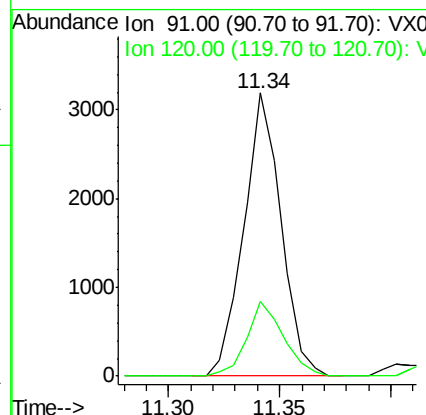
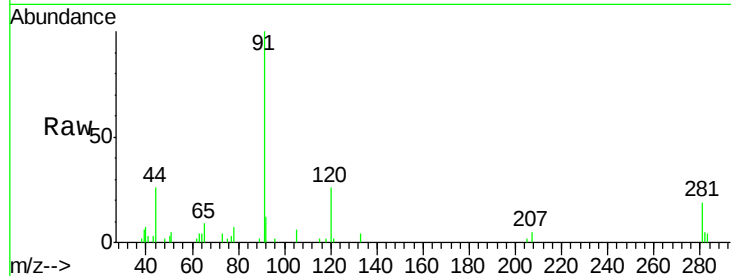




#78
n-propylbenzene
Concen: 0.209 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX019735.D
Acq: 04 Dec 2020 22:23

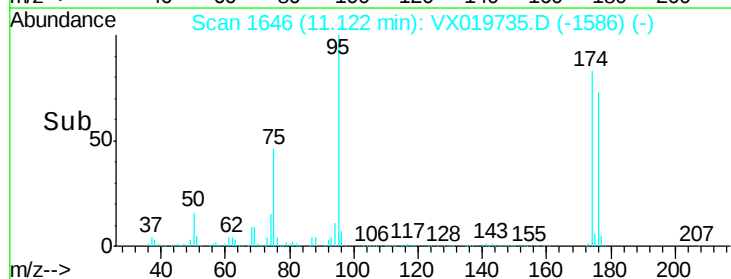
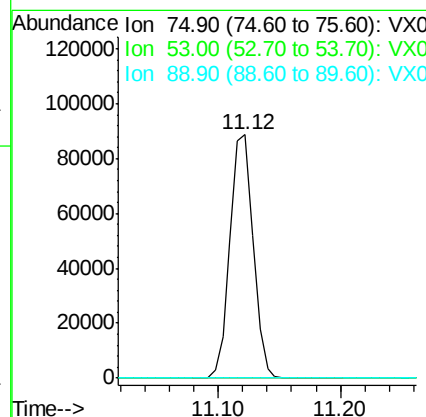
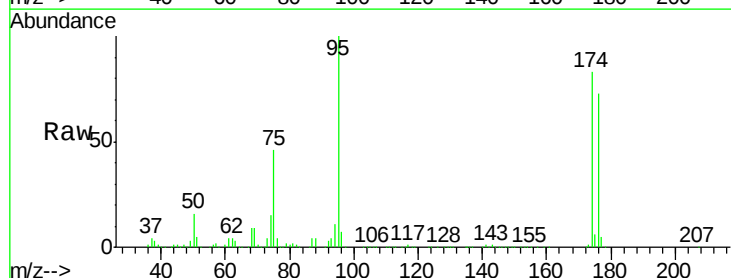
Instrument :
MSVOA_X
ClientSampleId :
ID039-39-6148-120220

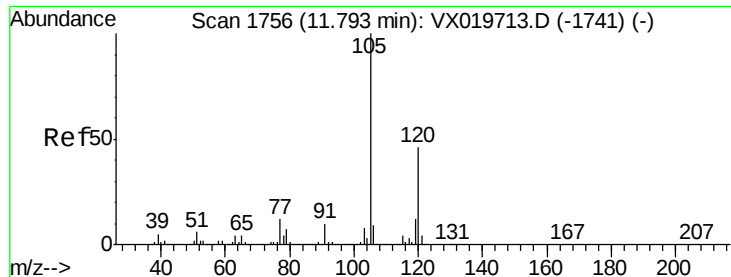
Tot Ion: 91 Resp: 3716
Ion Ratio Lower Upper
91 100
120 26.3 11.5 34.5



#81
trans-1,4-Dichloro-2-butene
Concen: 65.996 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019735.D
Acq: 04 Dec 2020 22:23

Tgt Ion: 75 Resp: 116442
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

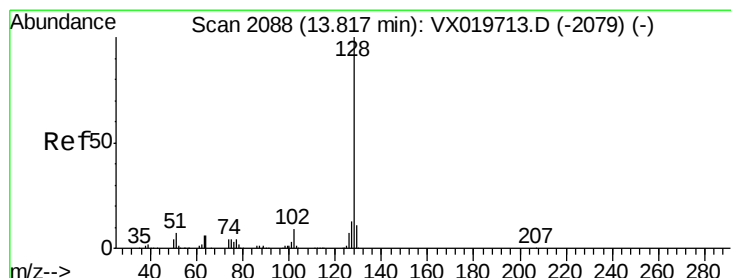
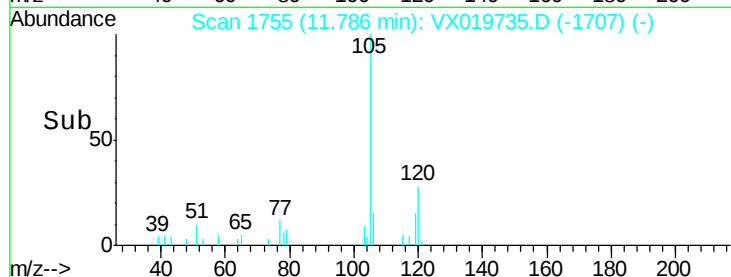
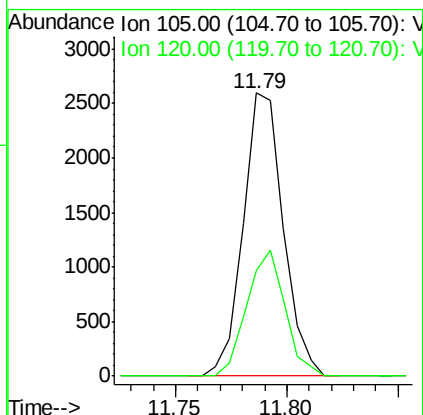
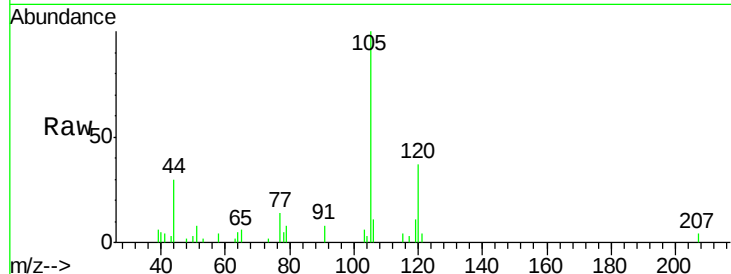




#84
1,2,4-Trimethylbenzene
Concen: 0.247 ug/l
RT: 11.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VX019735.D
Acq: 04 Dec 2020 22:23

Instrument :
MSVOA_X
ClientSampleId :
ID039-39-6148-120220

Tot Ion:105 Resp: 3258
Ion Ratio Lower Upper
105 100
120 42.3 22.4 67.3



#95
Naphthalene
Concen: 0.221 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019735.D
Acq: 04 Dec 2020 22:23

Tgt Ion:128 Resp: 3320
Ion Ratio Lower Upper
128 100
127 10.4 10.3 15.5
129 11.4 8.8 13.2

