

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020080.D
 Acq On : 16 Dec 2020 21:00
 Operator : JC/MD
 Sample : L5097-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-MWE45-120720

Quant Time: Dec 17 00:33:29 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	5.62	168	290956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	489198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	452795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192215	50.27	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	100.54%		
35) Dibromofluoromethane	5.46	113	154179	48.77	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.54%		
50) Toluene-d8	8.70	98	597245	49.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.96%		
62) 4-Bromofluorobenzene	11.12	95	208107	45.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.60%		

Target Compounds

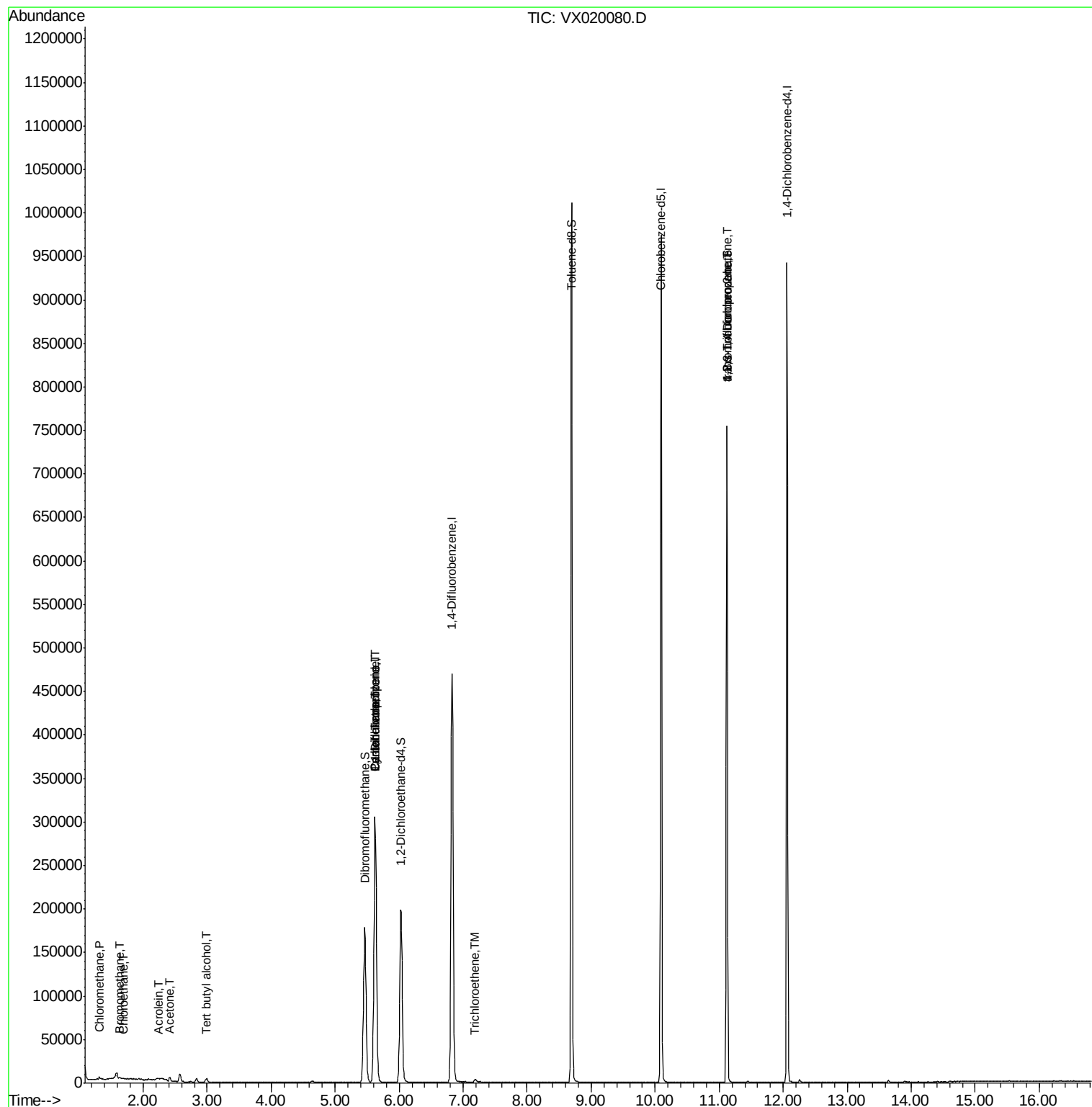
					Qvalue
3) Chloromethane	1.31	50	992	0.317 ug/l	98
5) Bromomethane	1.64	94	622	0.567 ug/l	95
6) Chloroethane	1.70	64	496	0.250 ug/l	97
11) Tert butyl alcohol	2.99	59	2426	0.478 ug/l #	73
13) Acrolein	2.25	56	86	0.204 ug/l #	53
16) Acetone	2.42	43	4726	3.288 ug/l #	85
20) Methylene Chloride	2.83	84	2018	Below Cal #	89
31) Cyclohexane	5.63	56	5592	1.176 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22579	5.108 ug/l #	48
38) Carbon Tetrachloride	5.62	117	28702	6.630 ug/l #	17
44) Trichloroethene	7.18	130	1101	0.311 ug/l	81
76) 1,2,3-Trichloropropane	11.12	75	100211	23.285 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	100211	67.313 ug/l #	12

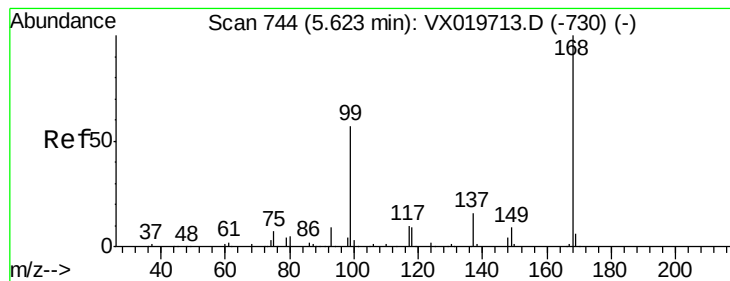
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

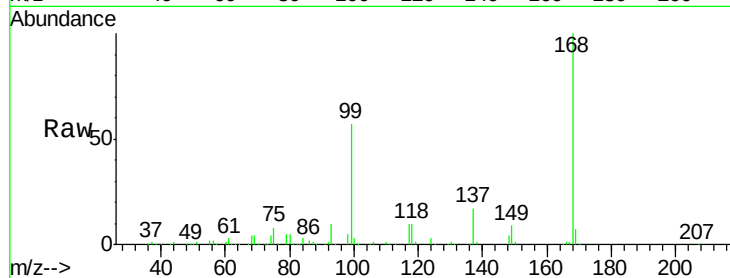
ID039-MWE45-120720

Tgt Ion: 168 Resp: 290956

Ion Ratio Lower Upper

168 100

99 57.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

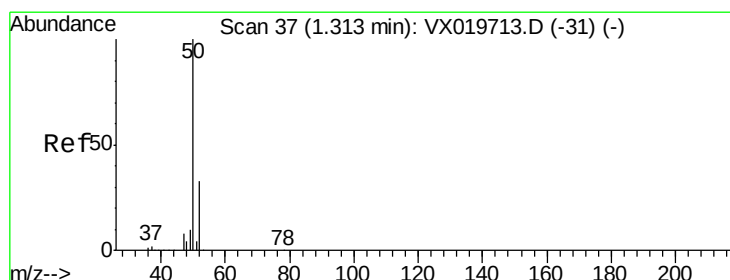
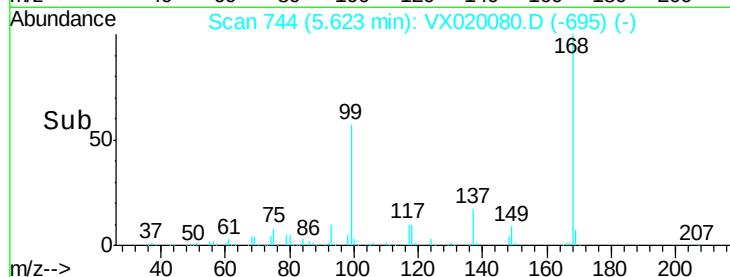
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.317 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX020080.D

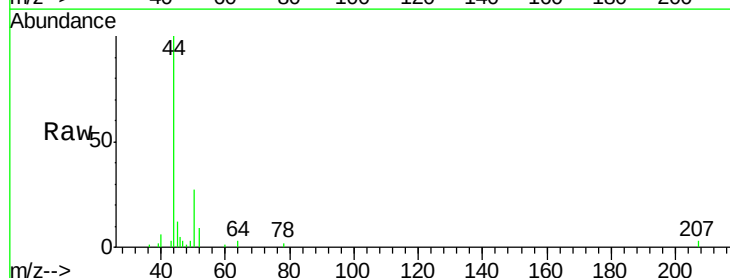
Acq: 16 Dec 2020 21:00

Tgt Ion: 50 Resp: 992

Ion Ratio Lower Upper

50 100

52 34.4 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

1200

1000

800

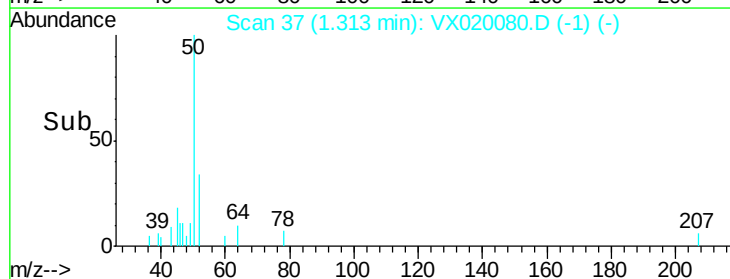
600

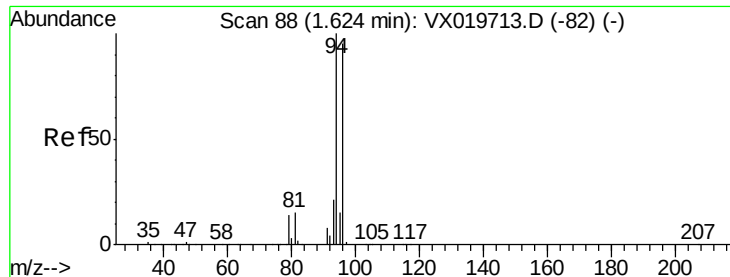
400

200

0

Time-->





#5

Bromomethane

Concen: 0.567 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

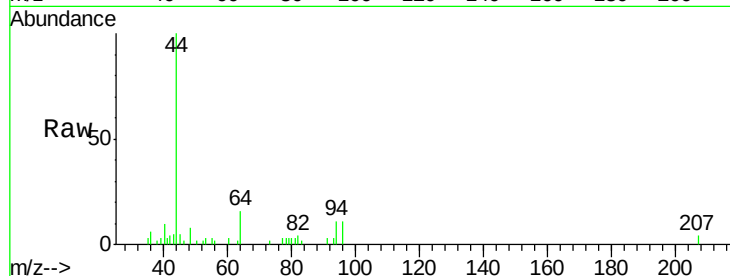
ID039-MWE45-120720

Tgt Ion: 94 Resp: 622

Ion Ratio Lower Upper

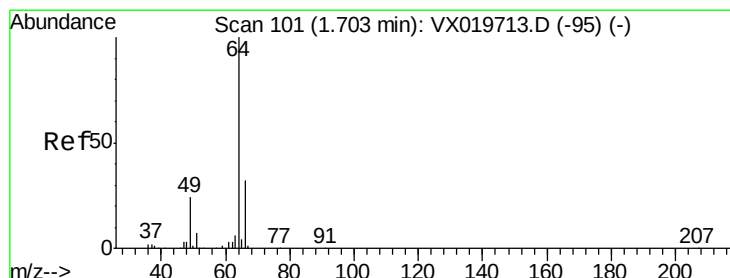
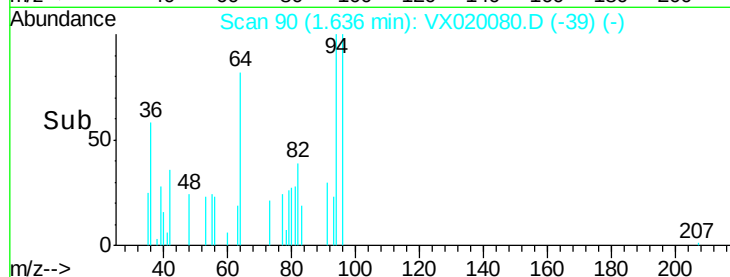
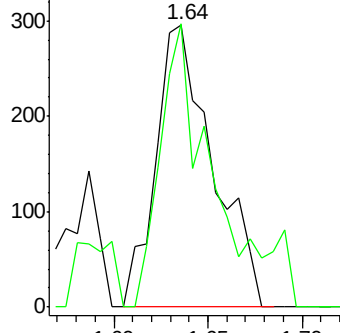
94 100

96 100.3 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: 0.250 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX020080.D

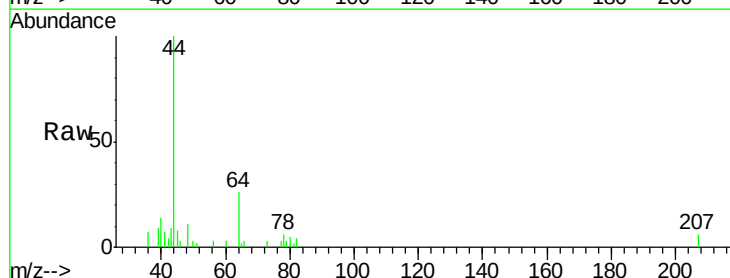
Acq: 16 Dec 2020 21:00

Tgt Ion: 64 Resp: 496

Ion Ratio Lower Upper

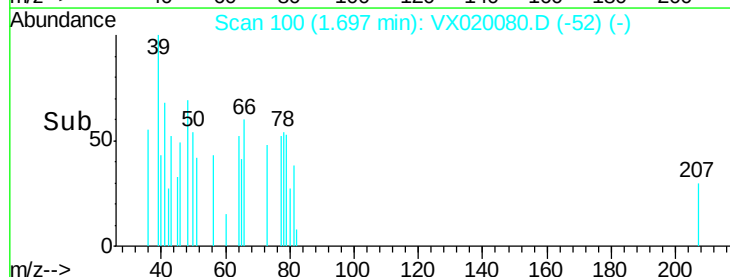
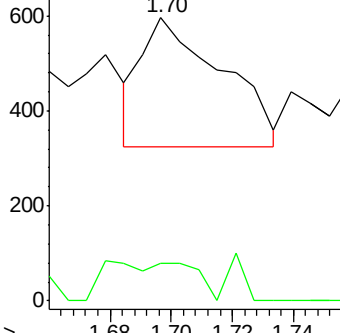
64 100

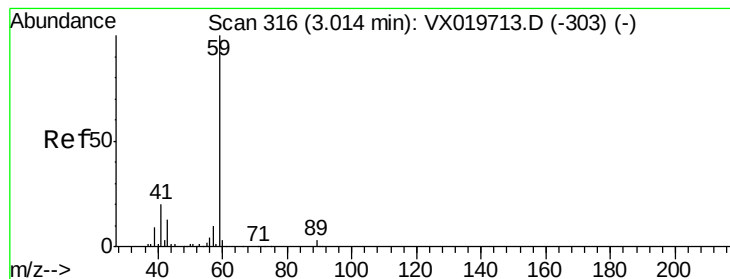
66 33.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.478 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

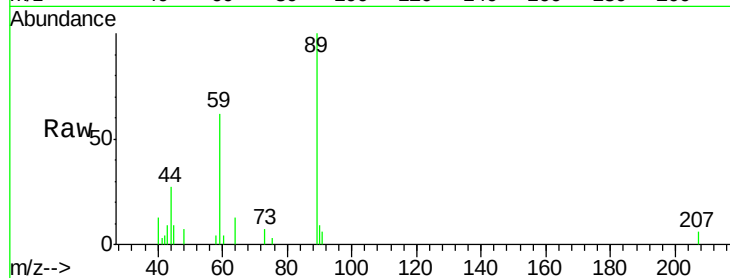
ID039-MWE45-120720

Tgt Ion: 59 Resp: 2426

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

2.99

1200

1000

800

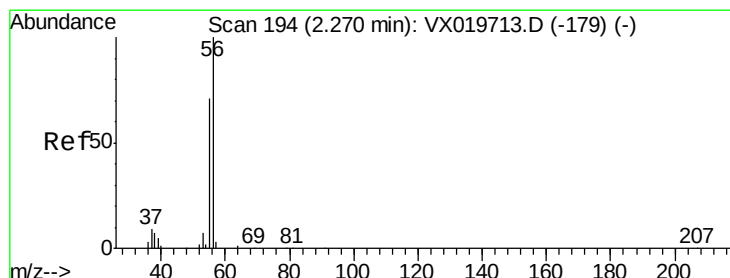
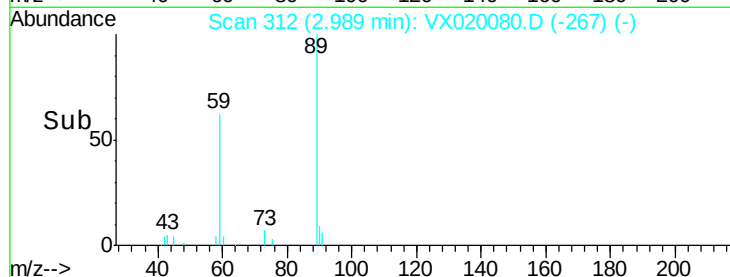
600

400

200

0

Time--> 2.90 2.95 3.00 3.05



#13

Acrolein

Concen: 0.204 ug/l

RT: 2.25 min Scan# 190

Delta R.T. -0.02 min

Lab File: VX020080.D

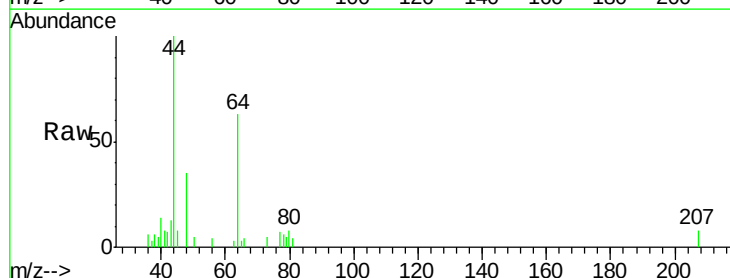
Acq: 16 Dec 2020 21:00

Tgt Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 109.3 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.25

80

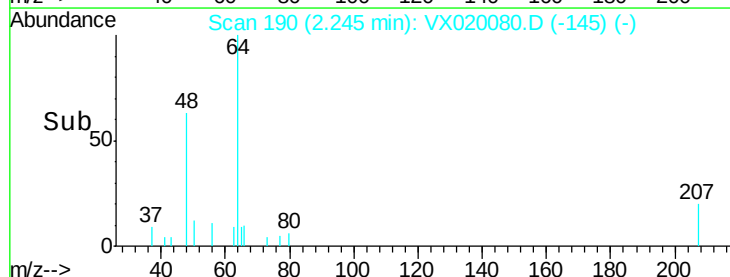
60

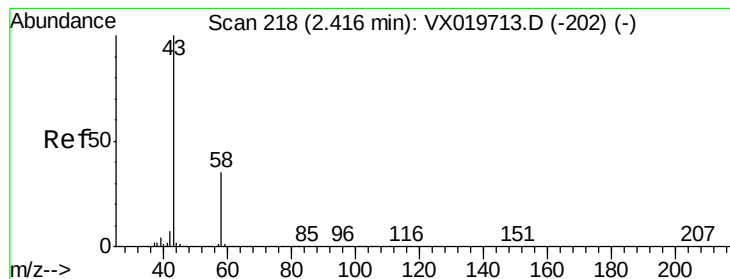
40

20

0

Time--> 2.22 2.24 2.26





#16

Acetone

Concen: 3.288 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

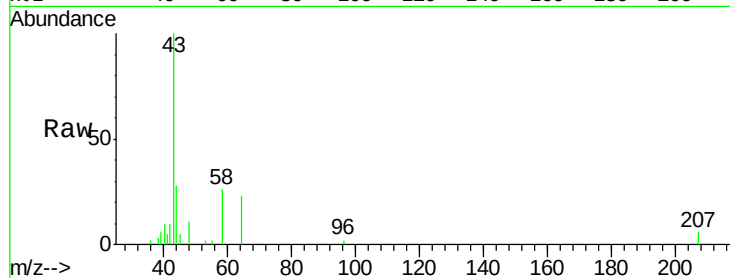
ID039-MWE45-120720

Tgt Ion: 43 Resp: 4726

Ion Ratio Lower Upper

43 100

58 26.3 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

2500

2000

1500

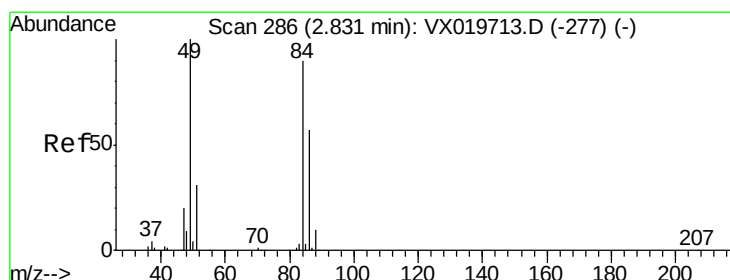
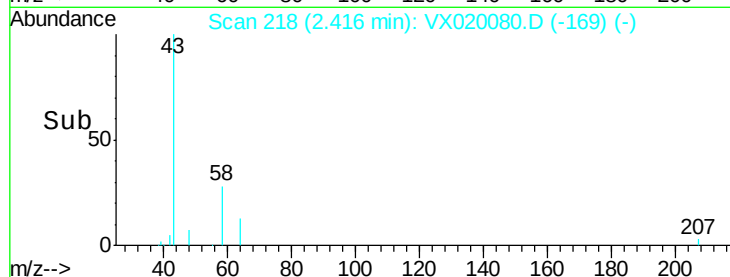
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Tgt Ion: 84 Resp: 2018

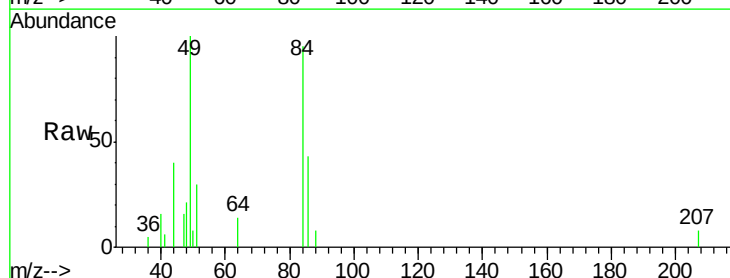
Ion Ratio Lower Upper

84 100

49 104.9 88.6 132.8

51 31.1 27.0 40.6

86 45.2 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

2.83

2000

1500

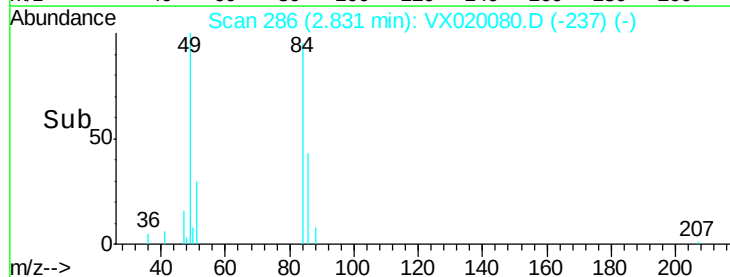
1000

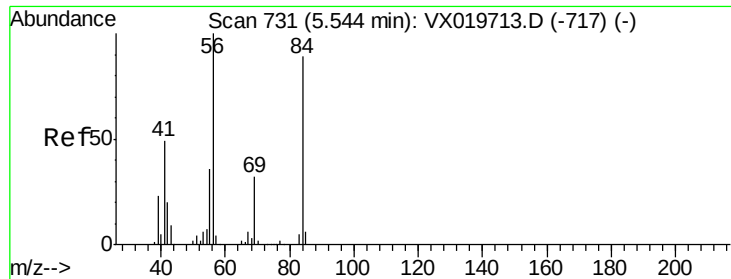
500

0

2.80 2.85 2.90

Time-->

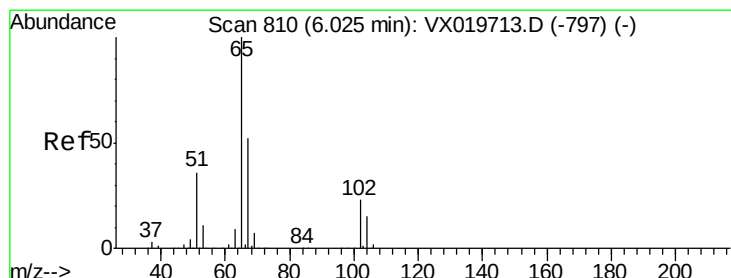
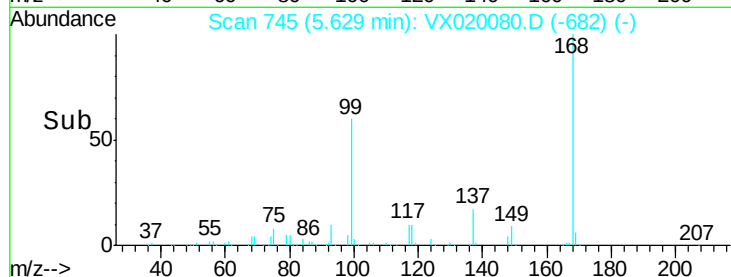
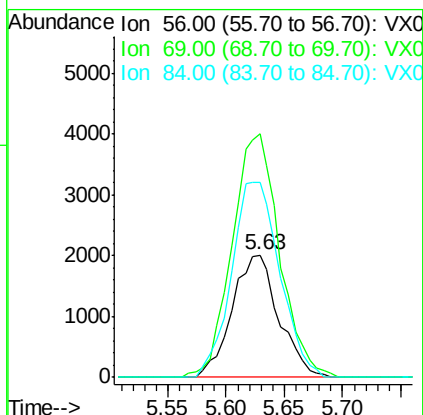
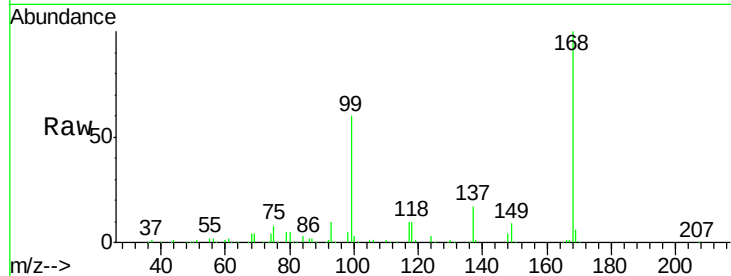




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020080.D
Acq: 16 Dec 2020 21:00

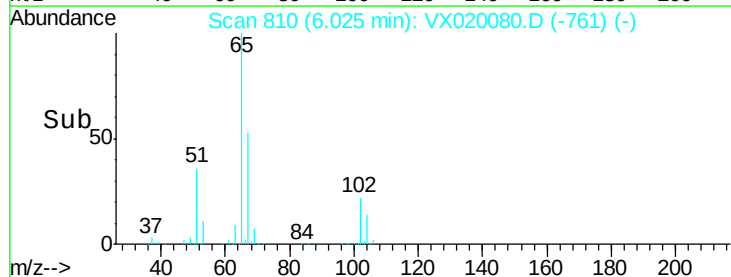
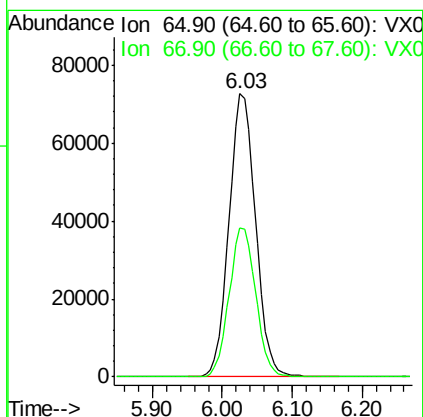
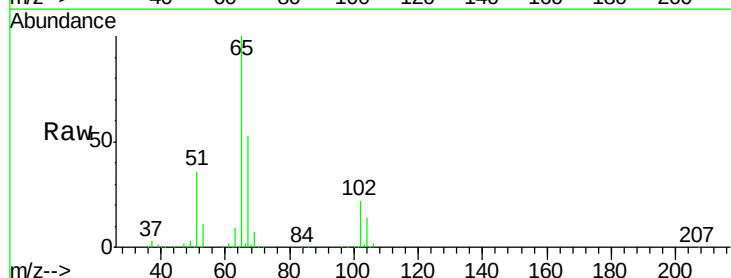
Instrument :
MSVOA_X
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ID039-MWE45-120720

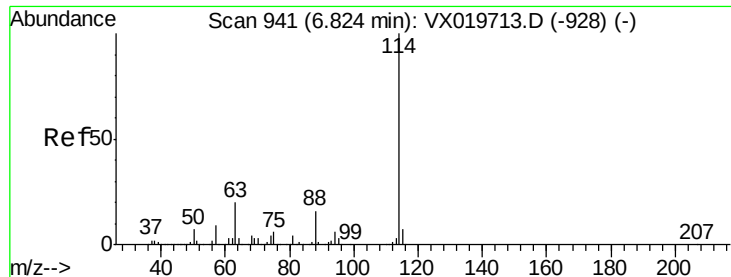
Tgt Ion: 56 Resp: 5592
Ion Ratio Lower Upper
56 100
69 198.7 25.3 37.9#
84 158.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.265 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.00 min
Lab File: VX020080.D
Acq: 16 Dec 2020 21:00

Tgt Ion: 65 Resp: 192215
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4

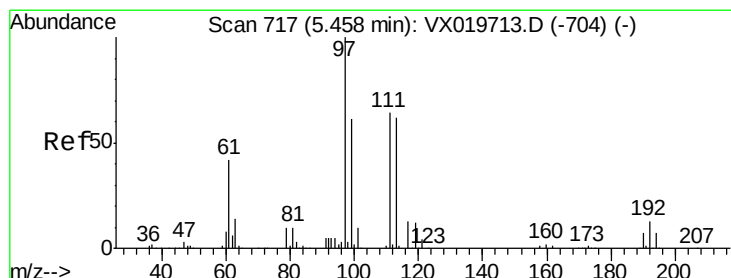
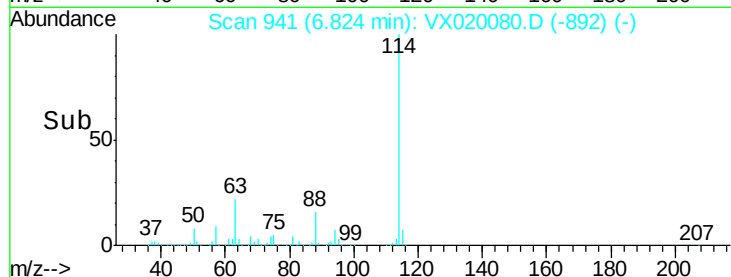
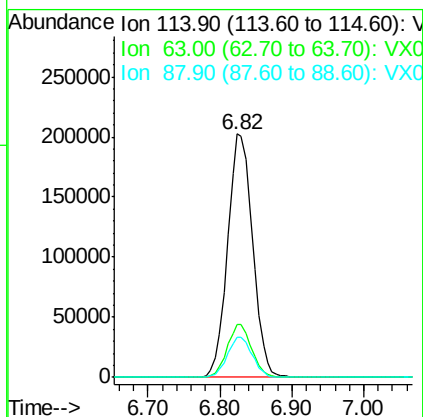
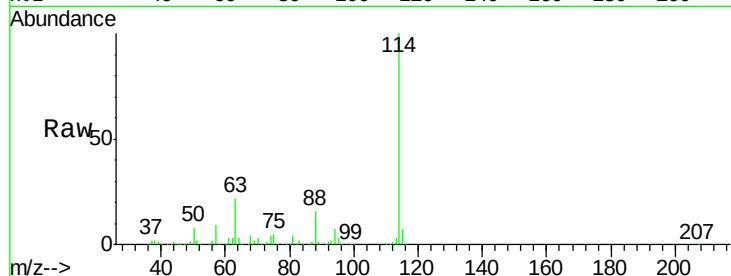




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX020080.D
 Acq: 16 Dec 2020 21:00

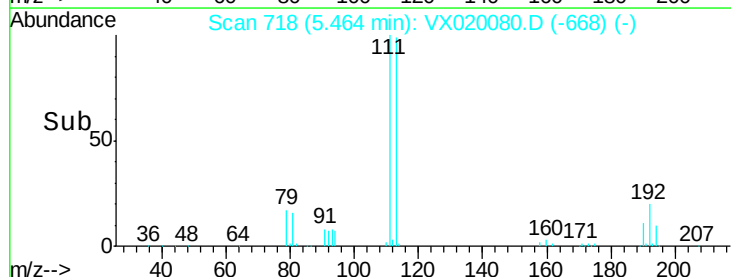
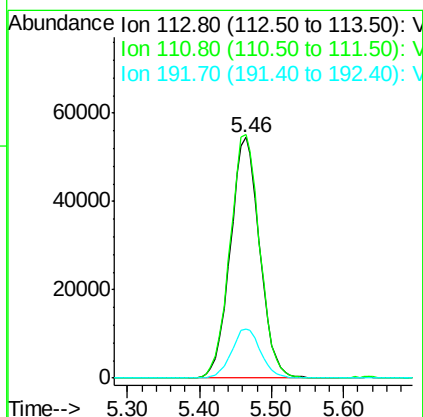
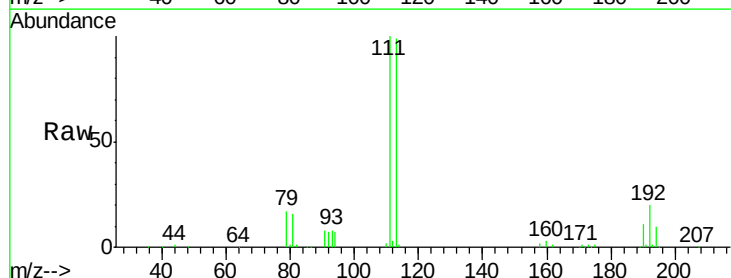
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-MWE45-120720

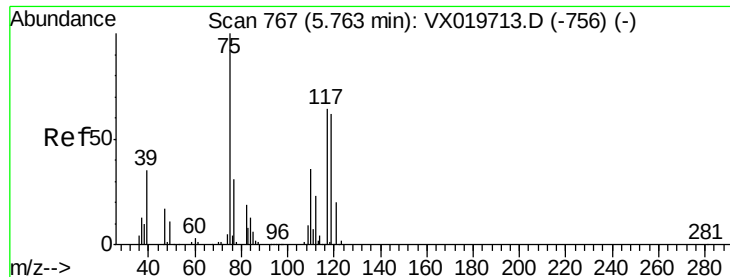
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	40.8
88	16.5	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 48.766 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020080.D
 Acq: 16 Dec 2020 21:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	20.4	16.7	25.1

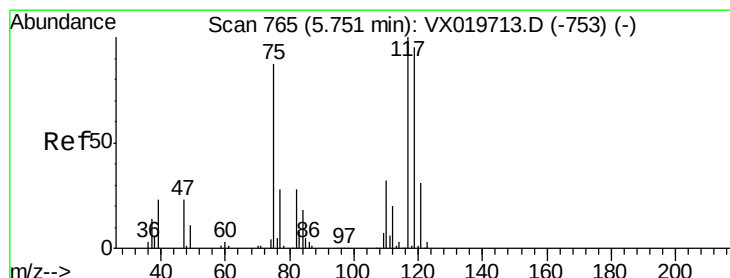
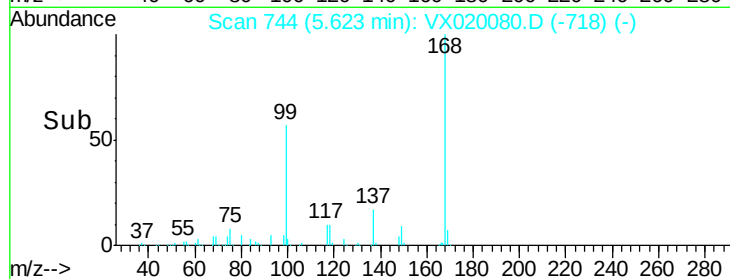
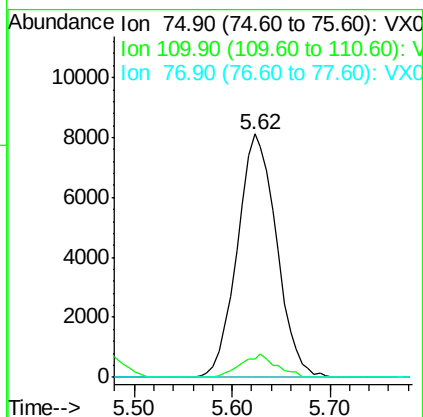
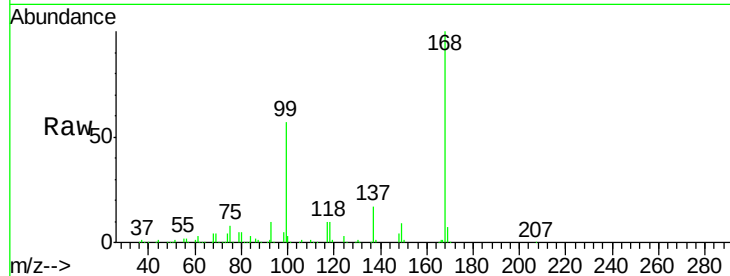




#36
 1,1-Dichloropropene
 Concen: 5.108 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020080.D
 Acq: 16 Dec 2020 21:00

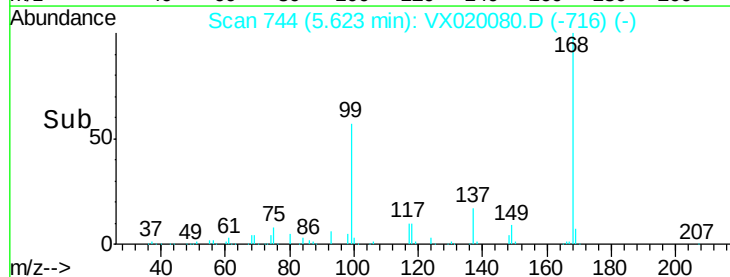
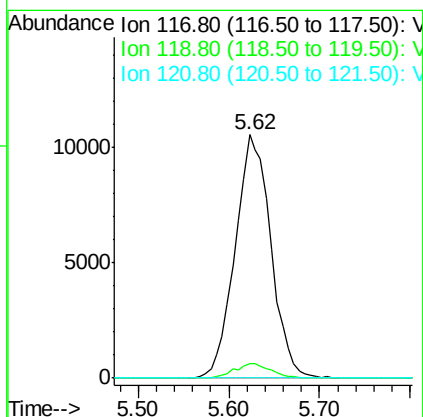
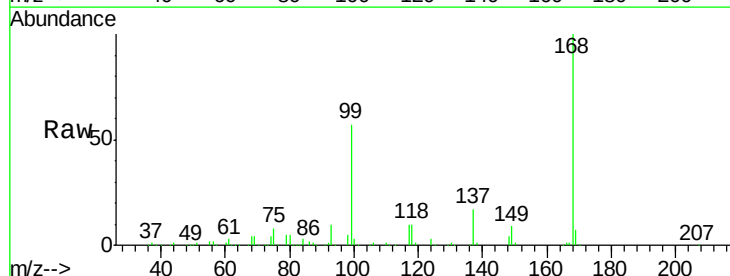
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-MWE45-120720

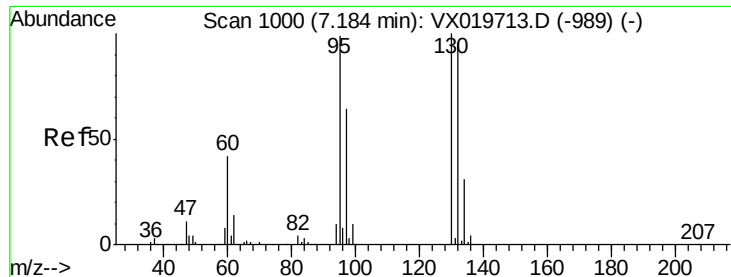
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.630 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX020080.D
 Acq: 16 Dec 2020 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.8	37.2#





#44

Trichloroethene

Concen: 0.311 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

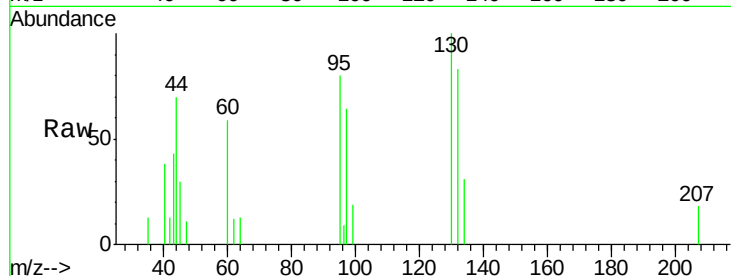
ID039-MWE45-120720

Tgt Ion:130 Resp: 1101

Ion Ratio Lower Upper

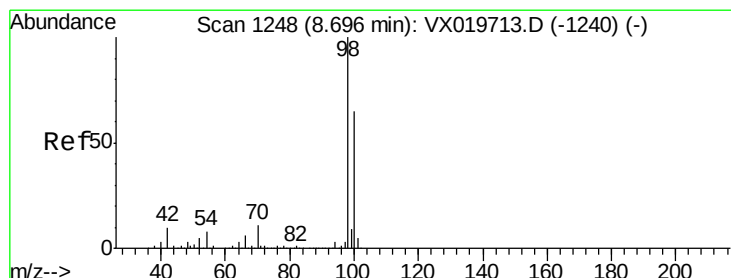
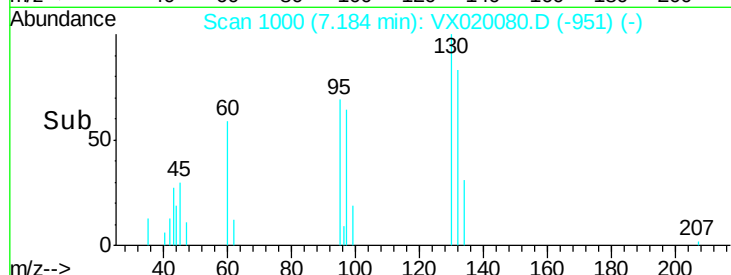
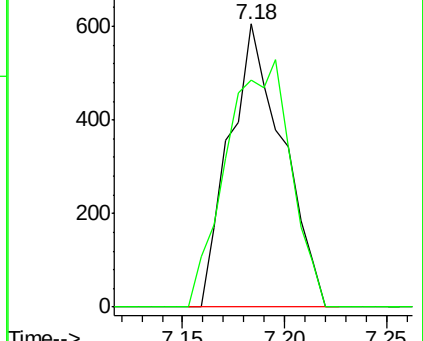
130 100

95 80.3 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.481 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020080.D

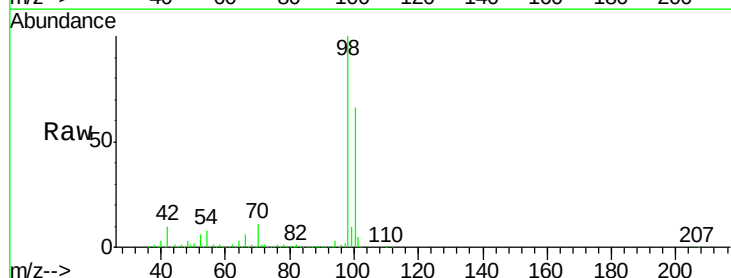
Acq: 16 Dec 2020 21:00

Tgt Ion: 98 Resp: 597245

Ion Ratio Lower Upper

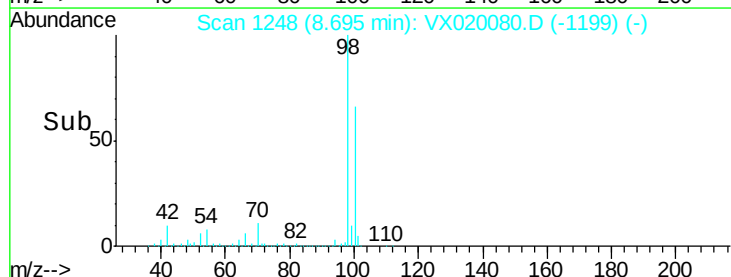
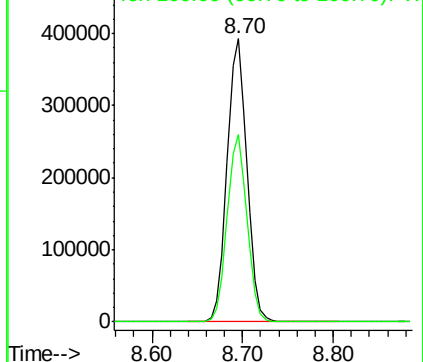
98 100

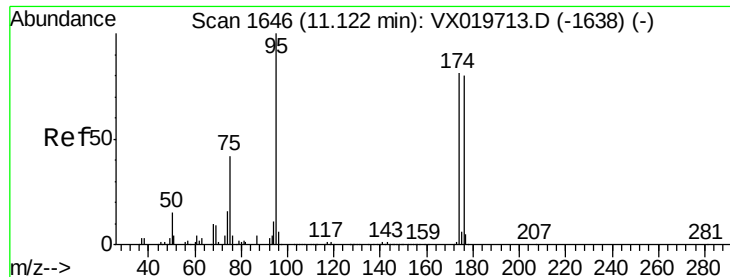
100 66.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

ID039-MWE45-120720

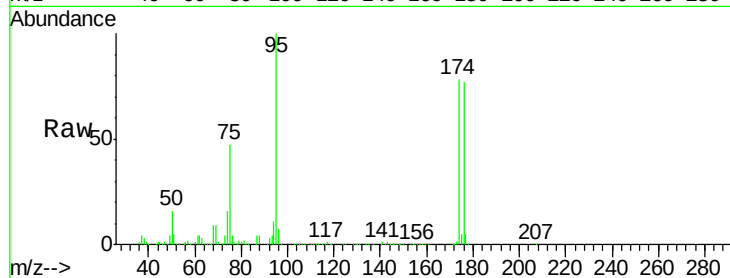
Tgt Ion: 95 Resp: 208107

Ion Ratio Lower Upper

95 100

174 76.8 0.0 154.6

176 75.2 0.0 155.8

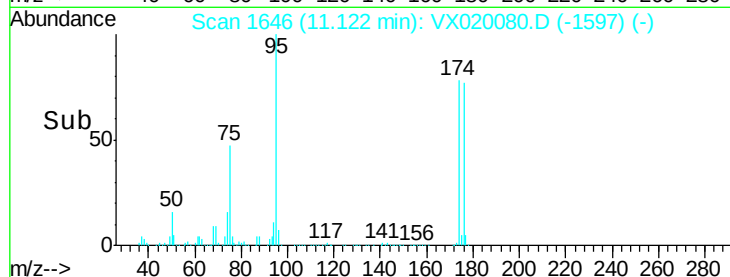


Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

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

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

Time-->

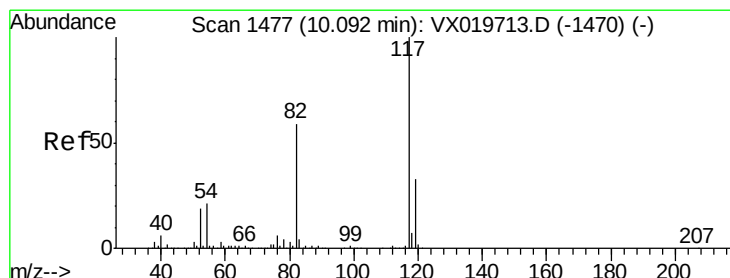


Abundance Ion 94.90 (94.60 to 95.60): VX020080.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX020080.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX020080.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: VX020080.D

Acq: 16 Dec 2020 21:00

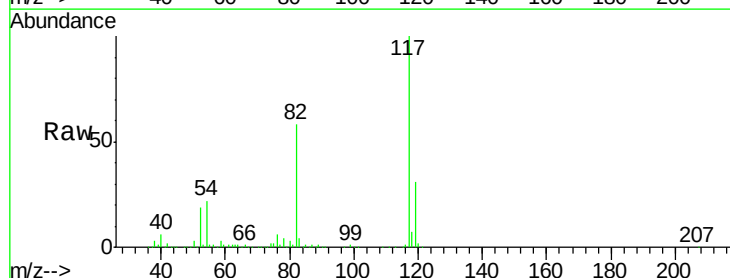
Tgt Ion: 117 Resp: 452795

Ion Ratio Lower Upper

117 100

82 58.5 47.4 71.2

119 30.5 26.6 39.8

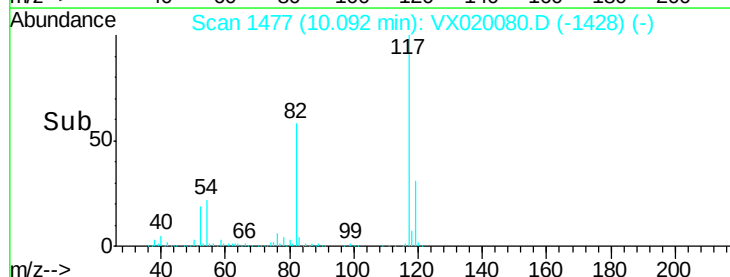


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

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

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

Time-->

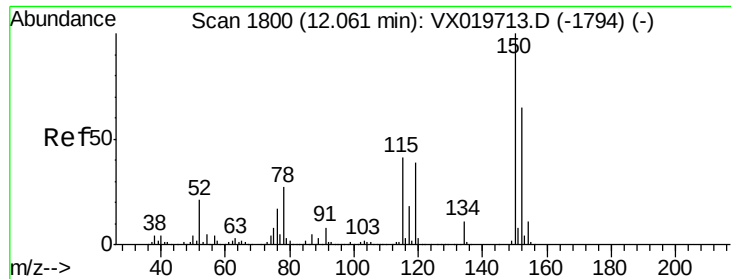


Abundance Ion 116.90 (116.60 to 117.60): VX020080.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX020080.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX020080.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: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

ID039-MWE45-120720

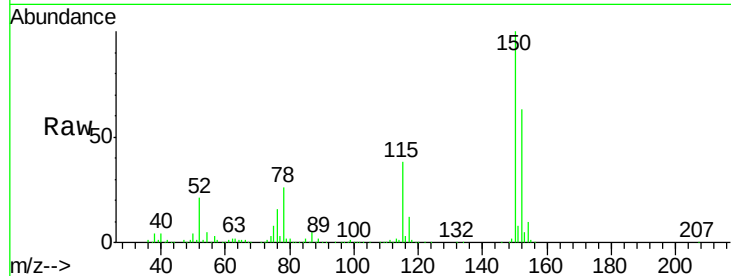
Tgt Ion:152 Resp: 191885

Ion Ratio Lower Upper

152 100

115 60.2 41.1 123.3

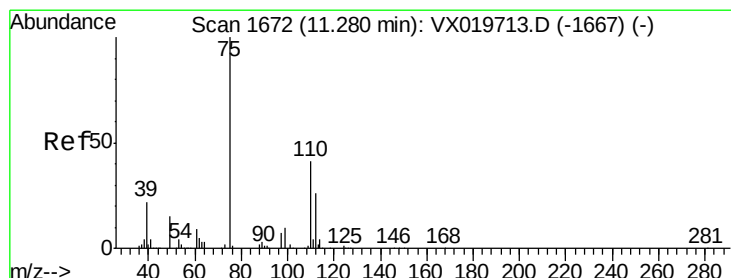
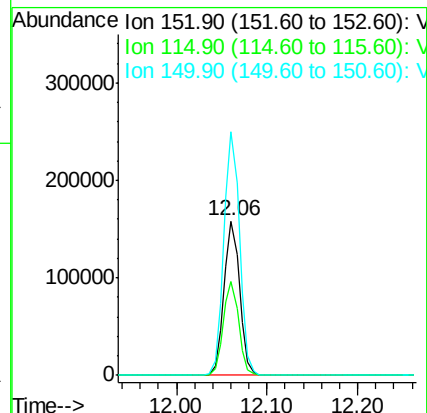
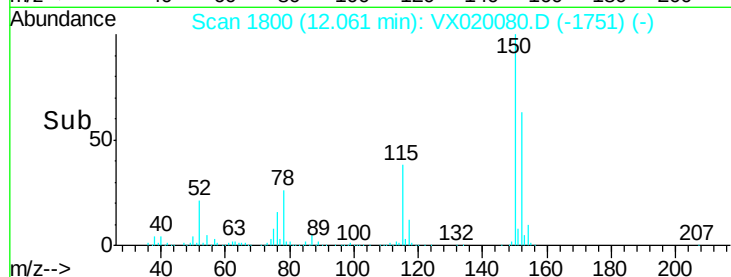
150 158.6 0.0 349.0



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: 23.285 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020080.D

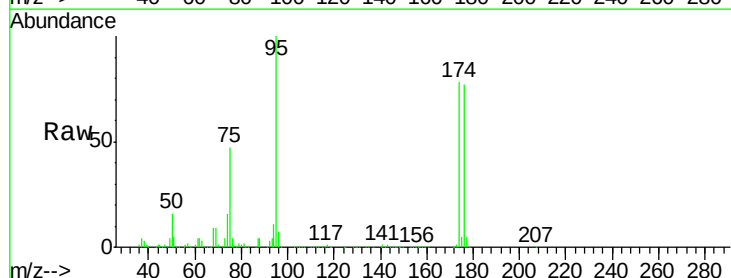
Acq: 16 Dec 2020 21:00

Tgt Ion: 75 Resp: 100211

Ion Ratio Lower Upper

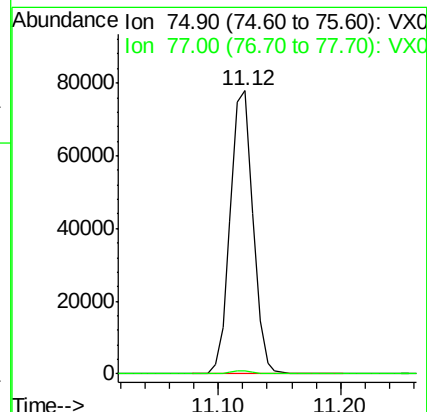
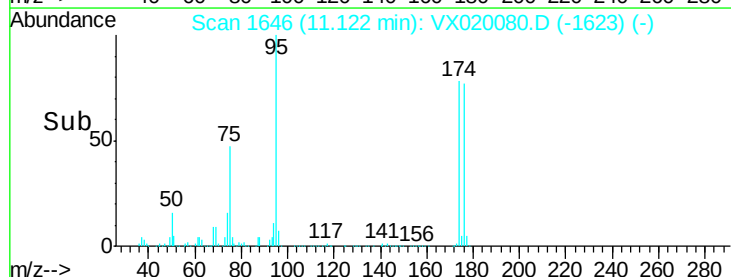
75 100

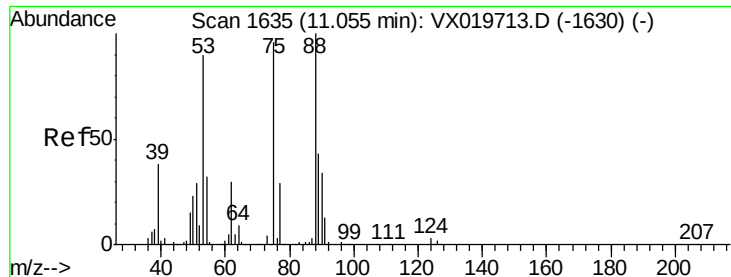
77 1.2 19.1 57.5#



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: 67.313 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020080.D

Acq: 16 Dec 2020 21:00

Instrument :

MSVOA_X

ClientSampleId :

ID039-MWE45-120720

Tgt Ion: 75 Resp: 100211

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

