

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120120\
 Data File : VX019697.D
 Acq On : 01 Dec 2020 15:58
 Operator : JC/MD
 Sample : L4910-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B47-113020-0-1

Quant Time: Dec 02 03:20:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	283351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	471520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	407393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	169684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	179135	48.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.52%
35) Dibromofluoromethane	5.46	113	143283	48.41	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.82%
50) Toluene-d8	8.70	98	557594	48.48	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.96%
62) 4-Bromofluorobenzene	11.12	95	189962	45.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.82%

Target Compounds

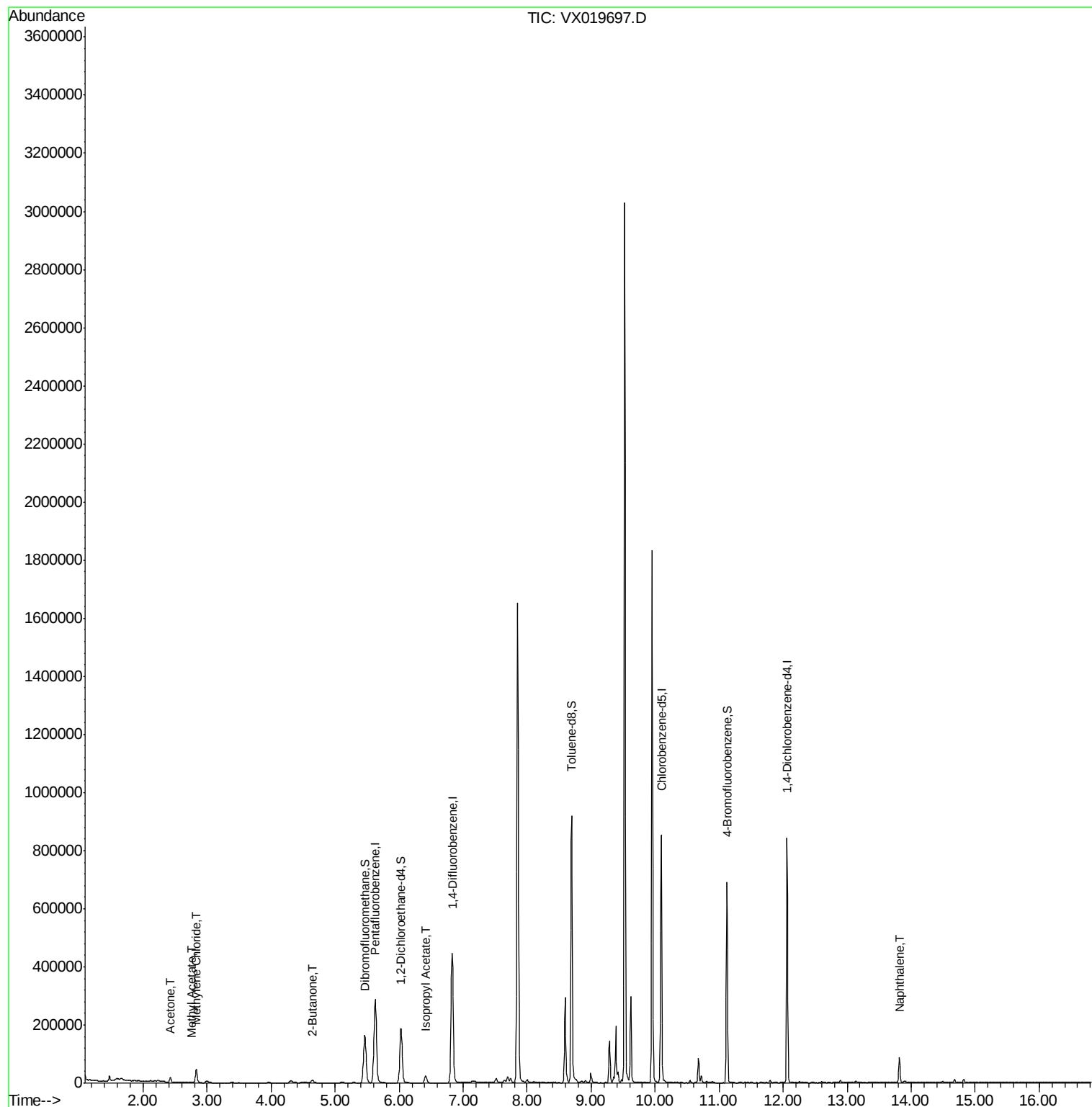
					Qvalue
16) Acetone	2.42	43	18508	13.027	ug/l 99
18) Methyl Acetate	2.75	43	2396	1.314	ug/l 92
20) Methylene Chloride	2.83	84	22208	6.254	ug/l 93
25) 2-Butanone	4.65	43	14319	6.709	ug/l 96
43) Isopropyl Acetate	6.42	43	31749	4.551	ug/l 100
95) Naphthalene	13.82	128	58619	6.658	ug/l 99

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

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ClientSampleId :
PAV-B47-113020-0-1

Quant Time: Dec 02 03:20:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

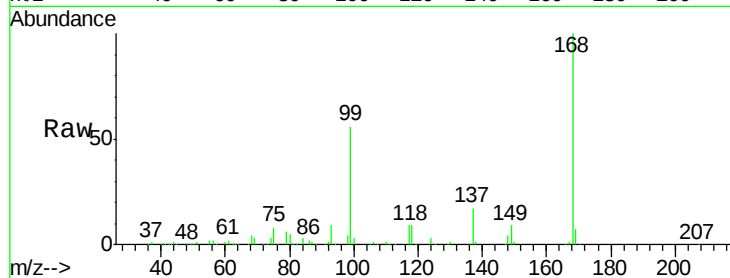
PAV-B47-113020-0-1

Tot Ion:168 Resp: 283351

Ion Ratio Lower Upper

168 100

99 56.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

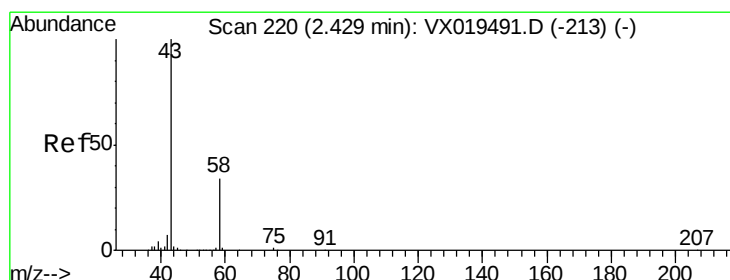
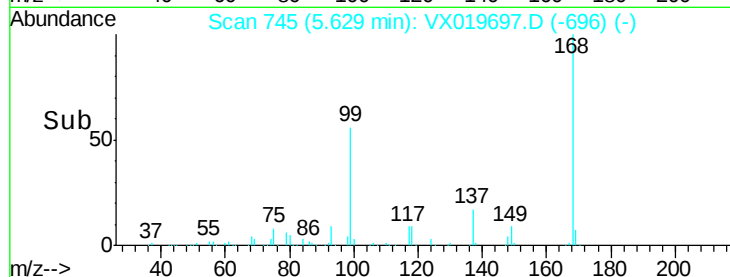
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 13.027 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019697.D

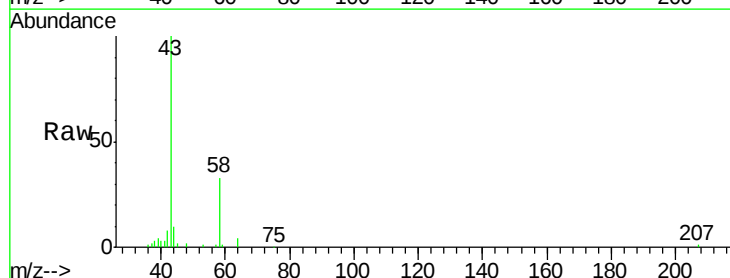
Acq: 01 Dec 2020 15:58

Tgt Ion: 43 Resp: 18508

Ion Ratio Lower Upper

43 100

58 33.6 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

12000

10000

8000

6000

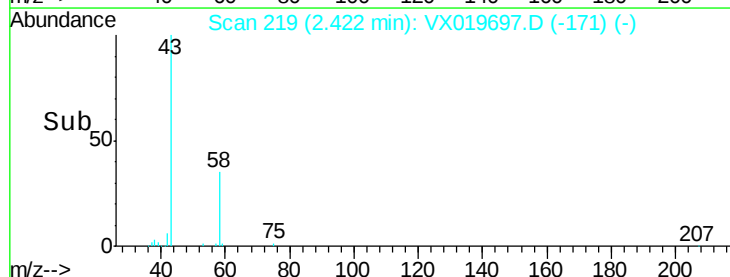
4000

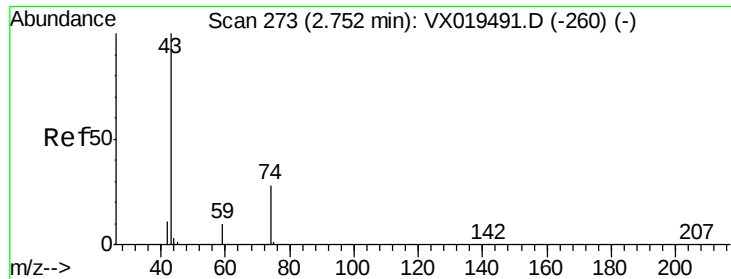
2000

0

Time-->

2.35 2.40 2.45 2.50

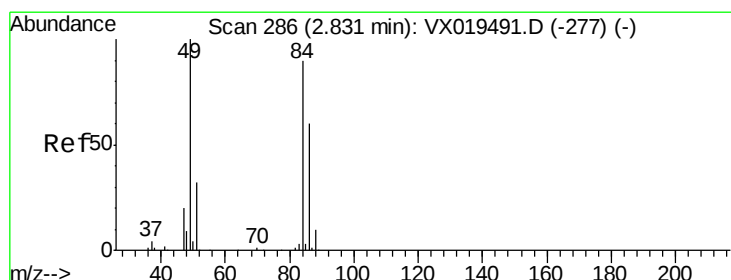
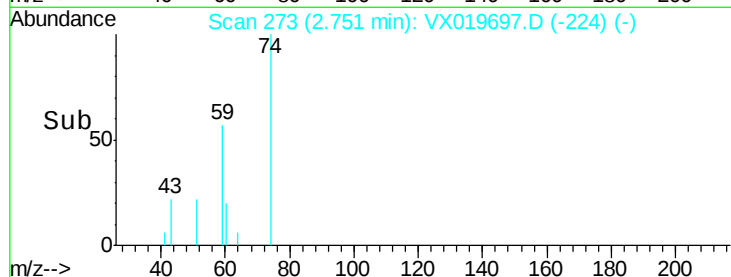
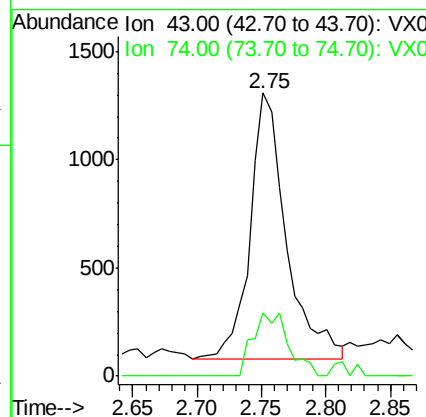
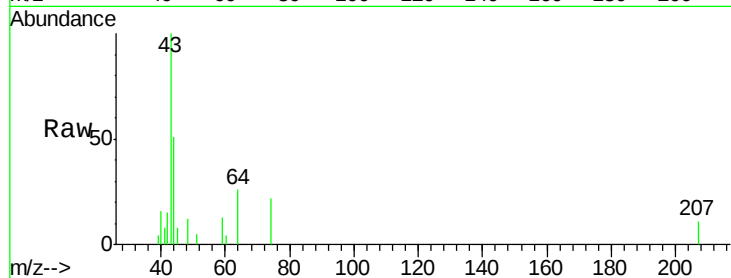




#18
Methyl Acetate
Concen: 1.314 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019697.D
Acq: 01 Dec 2020 15:58

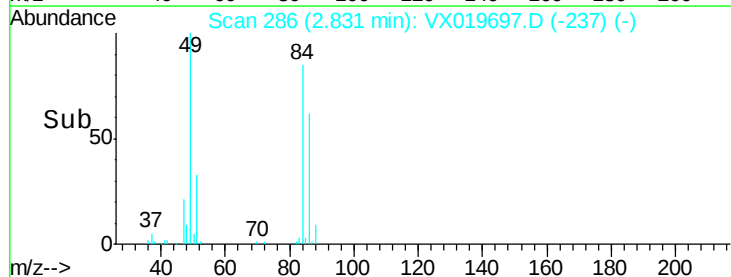
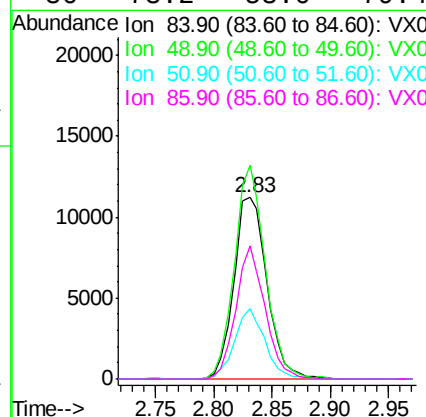
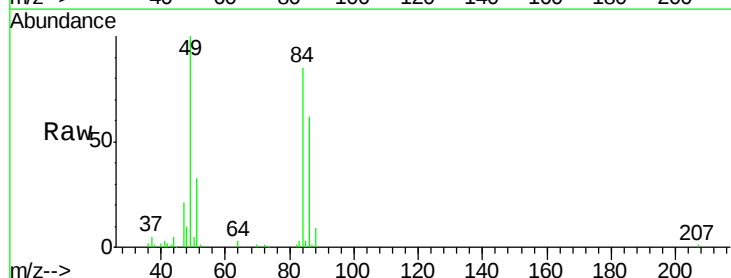
Instrument :
MSVOA_X
ClientSampleId :
PAV-B47-113020-0-1

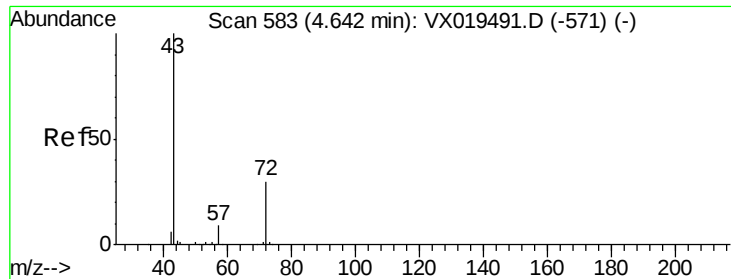
Tot Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
74 23.5 22.2 33.4



#20
Methylene Chloride
Concen: 6.254 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019697.D
Acq: 01 Dec 2020 15:58

Tgt Ion: 84 Resp: 22208
Ion Ratio Lower Upper
84 100
49 117.6 88.5 132.7
51 38.7 28.0 42.0
86 73.2 53.0 79.4





#25

2-Butanone

Concen: 6.709 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

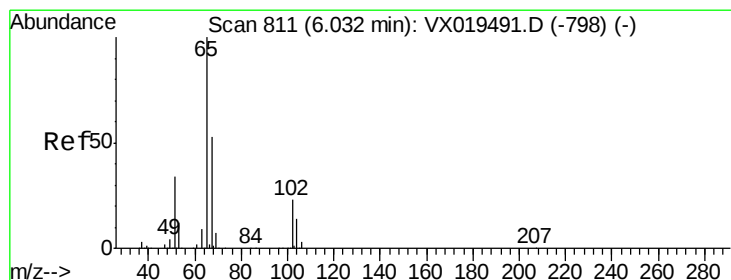
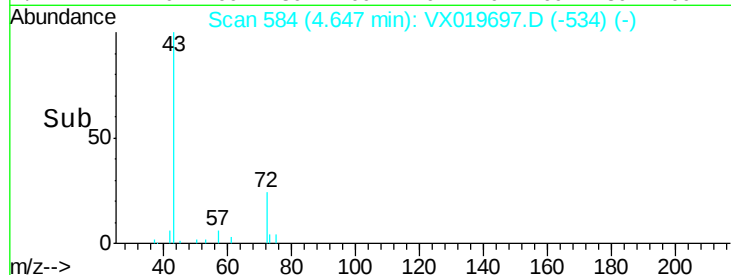
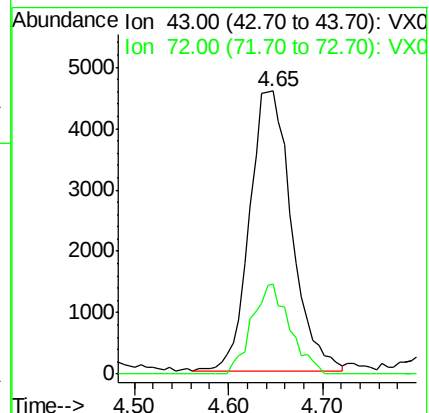
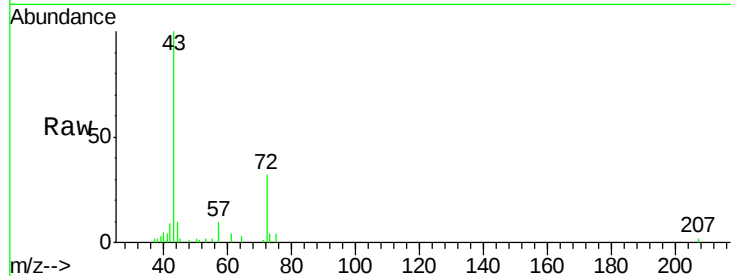
PAV-B47-113020-0-1

Tot Ion: 43 Resp: 14319

Ion Ratio Lower Upper

43 100

72 32.2 24.0 36.0



#33

1,2-Dichloroethane-d4

Concen: 48.759 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019697.D

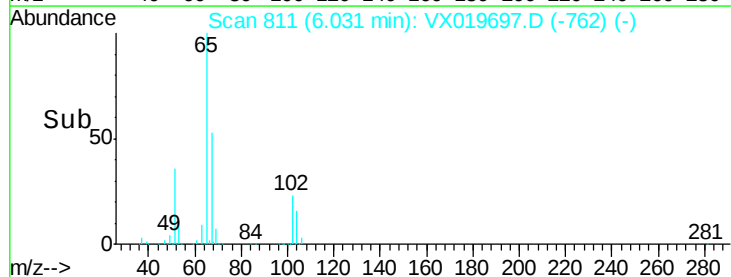
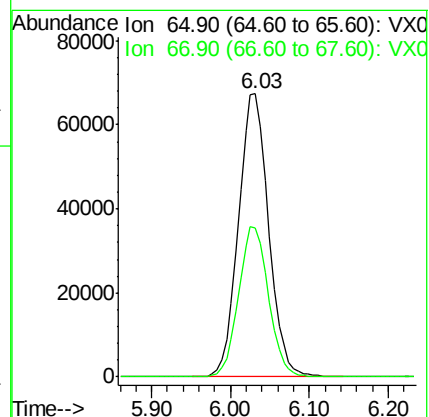
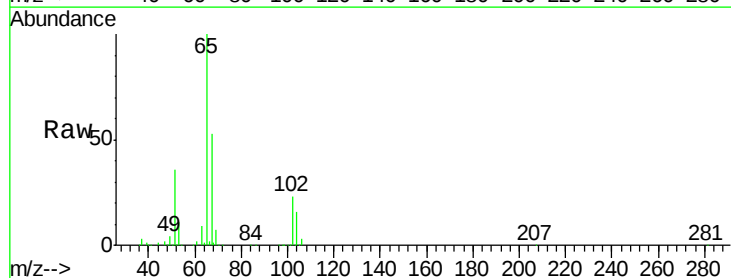
Acq: 01 Dec 2020 15:58

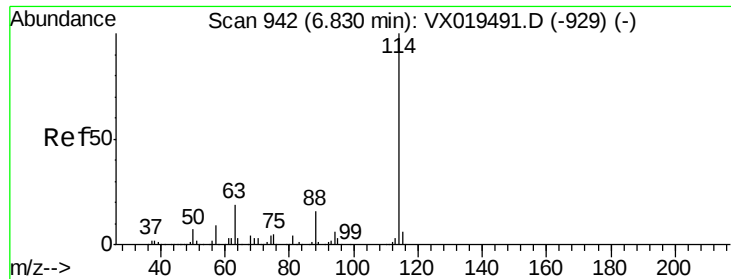
Tgt Ion: 65 Resp: 179135

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

PAV-B47-113020-0-1

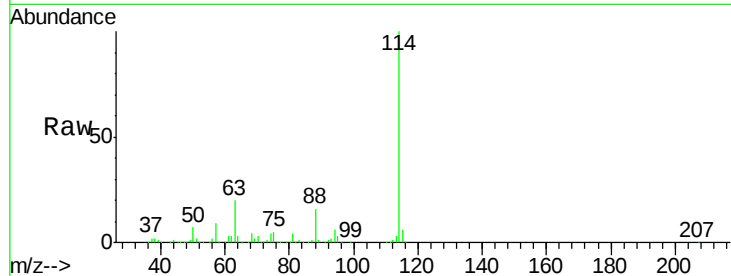
Tot Ion:114 Resp: 471520

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 15.8 0.0 31.6



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

250000

200000

150000

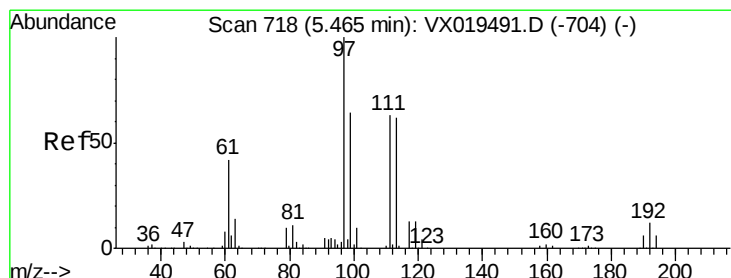
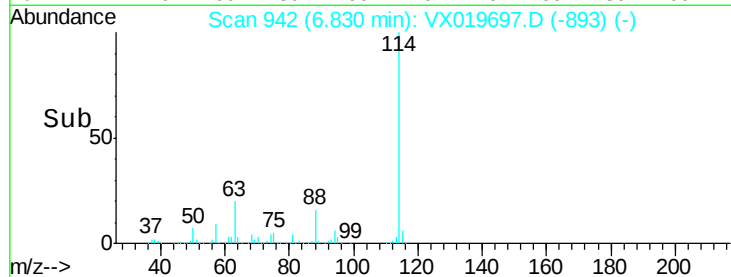
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.411 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

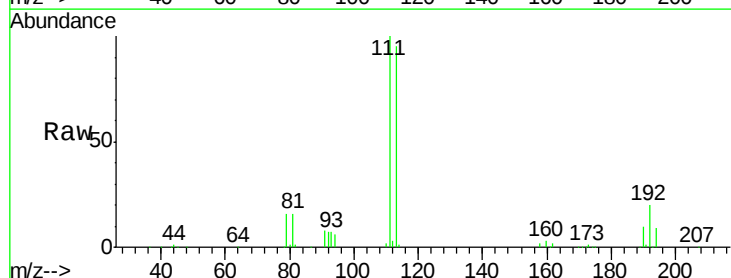
Tgt Ion:113 Resp: 143283

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

192 20.4 16.2 24.2



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

60000

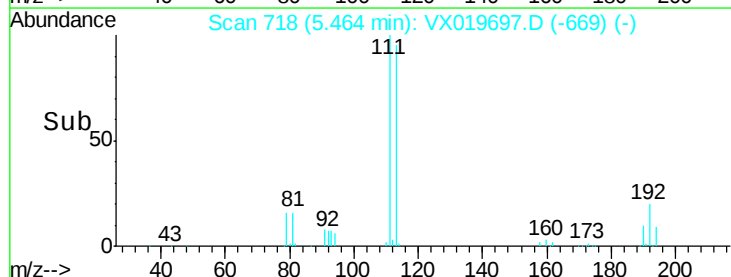
40000

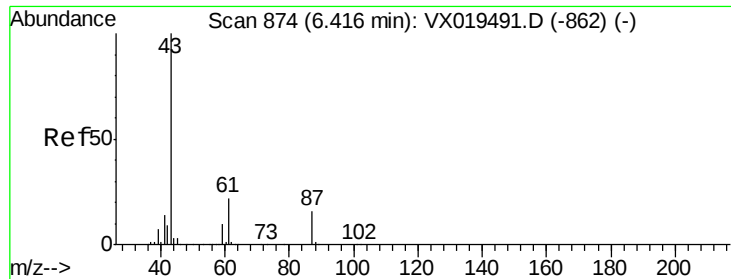
20000

0

5.30 5.40 5.50 5.60

Time-->





#43

Isopropyl Acetate

Concen: 4.551 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

PAV-B47-113020-0-1

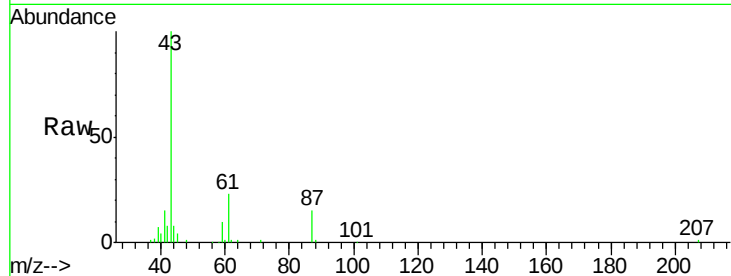
Tot Ion: 43 Resp: 31749

Ion Ratio Lower Upper

43 100

61 22.8 18.2 27.2

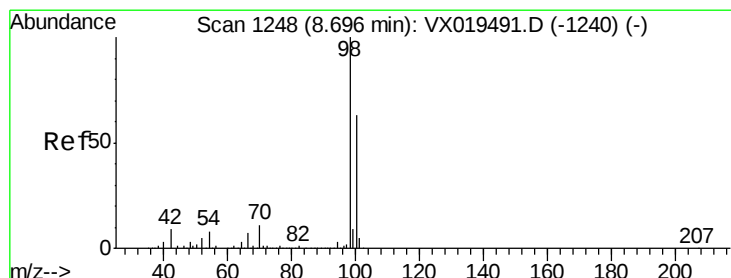
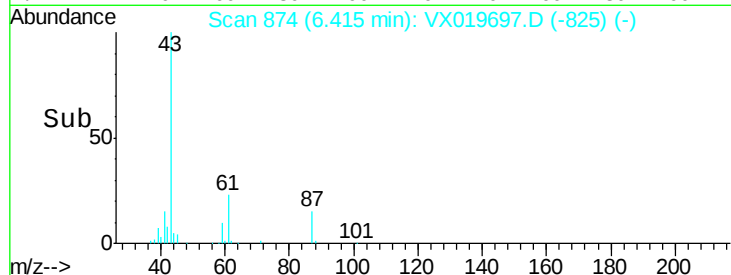
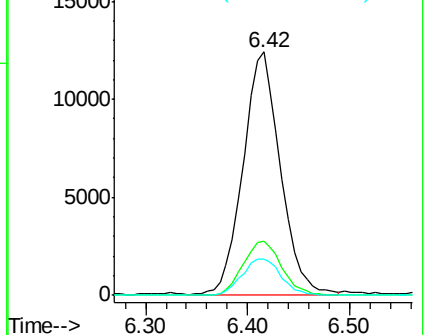
87 15.5 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.481 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019697.D

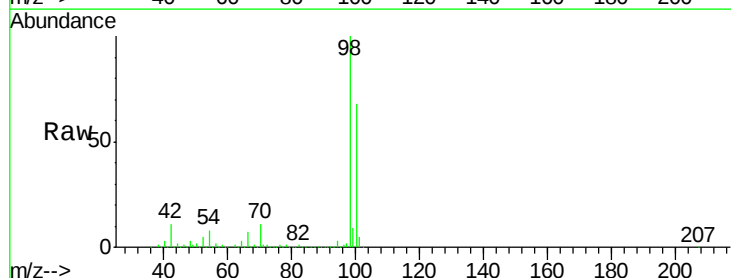
Acq: 01 Dec 2020 15:58

Tgt Ion: 98 Resp: 557594

Ion Ratio Lower Upper

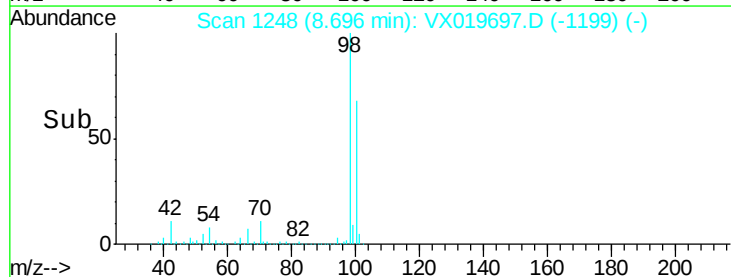
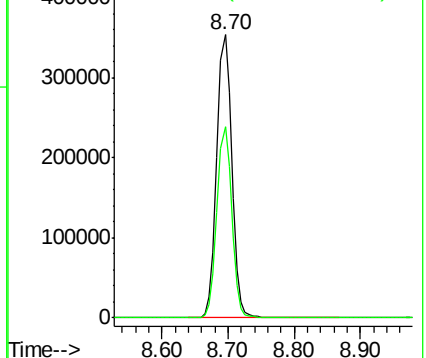
98 100

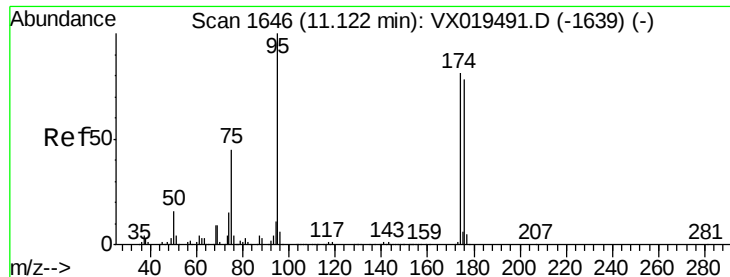
100 66.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.907 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

Instrument :

MSVOA_X

ClientSampleId :

PAV-B47-113020-0-1

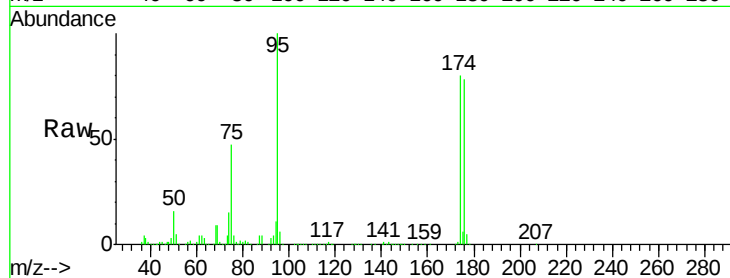
Tot Ion: 95 Resp: 189962

Ion Ratio Lower Upper

95 100

174 77.5 0.0 156.2

176 75.4 0.0 151.4



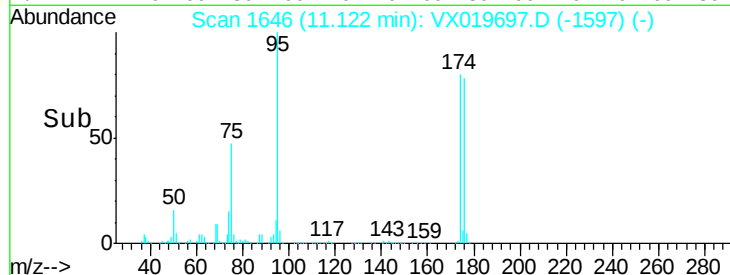
Abundance Ion 94.90 (94.60 to 95.60): VX019491.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019491.D (-1639) (-)

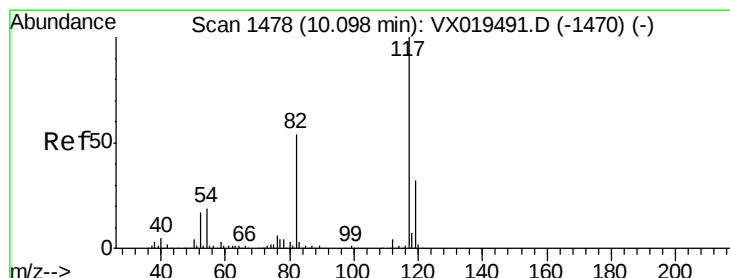
Ion 175.80 (175.50 to 176.50): VX019491.D (-1639) (-)

11.12

11.05 11.10 11.15 11.20



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

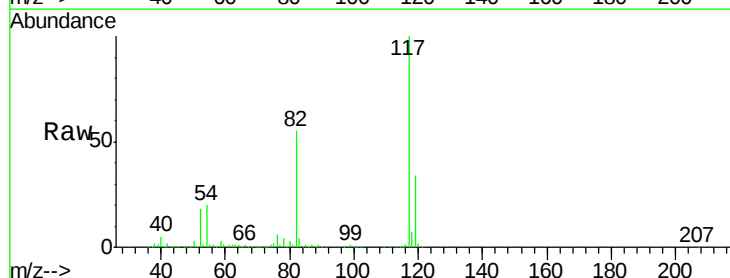
Tgt Ion: 117 Resp: 407393

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.4

119 33.6 25.6 38.4



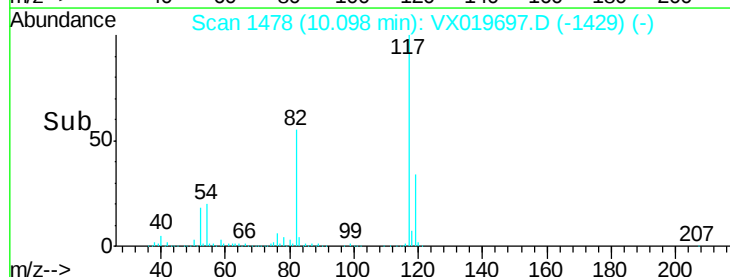
Abundance Ion 116.90 (116.60 to 117.60): VX019491.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019491.D (-1470) (-)

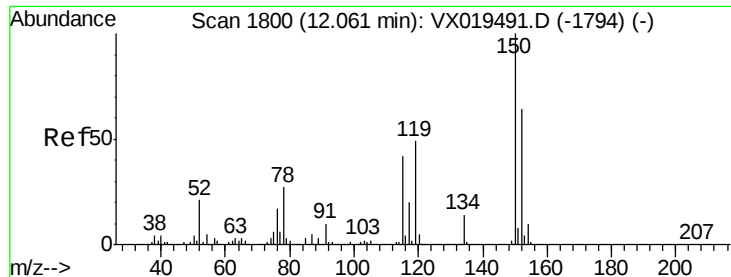
Ion 118.90 (118.60 to 119.60): VX019491.D (-1470) (-)

10.10

10.00 10.10 10.20



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: VX019697.D

Acq: 01 Dec 2020 15:58

Instrument :

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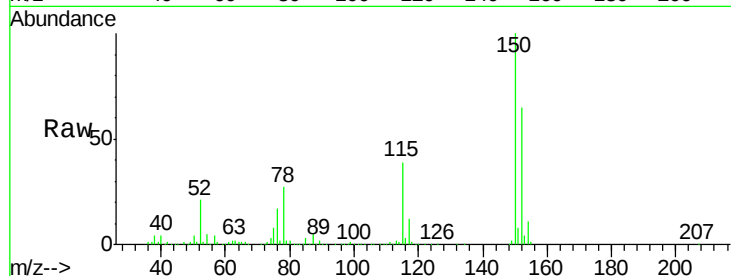
Tot Ion:152 Resp: 169684

Ion Ratio Lower Upper

152 100

115 60.1 41.8 125.4

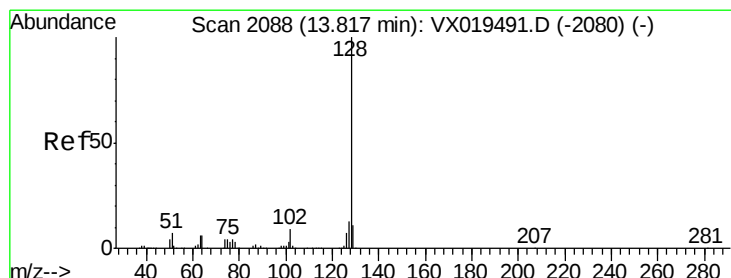
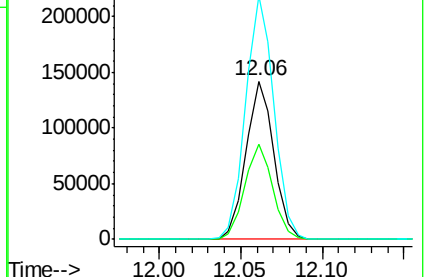
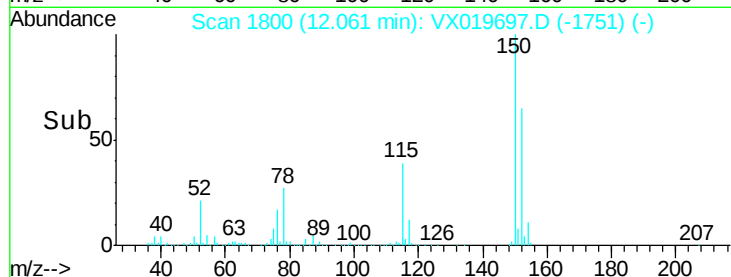
150 156.2 0.0 348.2



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



#95

Naphthalene

Concen: 6.658 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019697.D

Acq: 01 Dec 2020 15:58

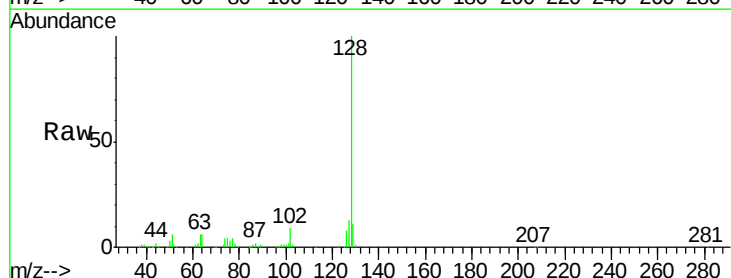
Tgt Ion:128 Resp: 58619

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

