

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035199.D
 Acq On : 16 Jul 2020 18:28
 Operator : SY/AP
 Sample : L3318-01DL 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PERM-02DL

Quant Time: Jul 17 04:09:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1060458	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2552656	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2387635	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1967397	10.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

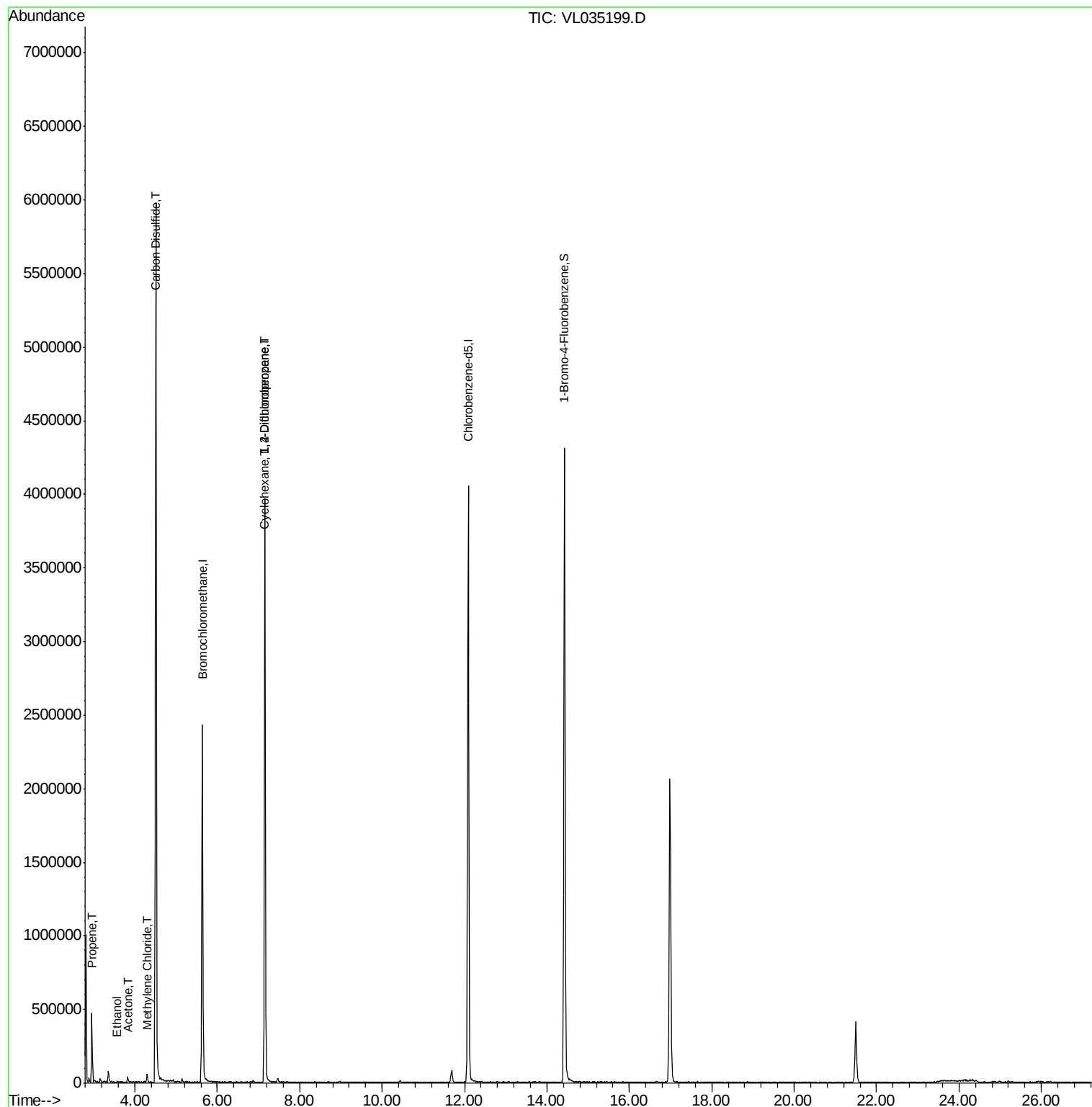
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	1629	0.037	ppbv #	1
13) Ethanol	3.56	45	1379	0.098	ppbv #	35
15) Acetone	3.82	43	26325	0.183	ppbv #	44
20) Methylene Chloride	4.30	84	15784	0.253	ppbv	84
27) Carbon Disulfide	4.50	76	7060622	51.471	ppbv #	91
30) Cyclohexane	7.14	84	8269	0.114	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	700649	9.536	ppbv #	23

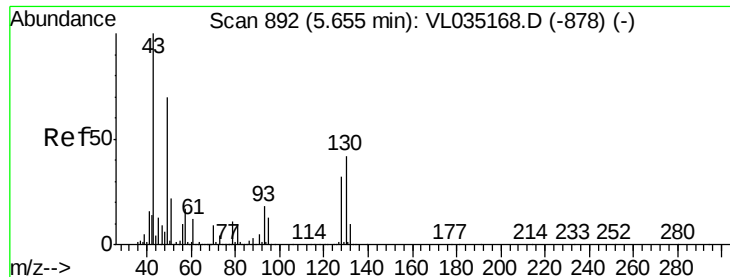
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL035199.D

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ClientSampleId :

PERM-02DL

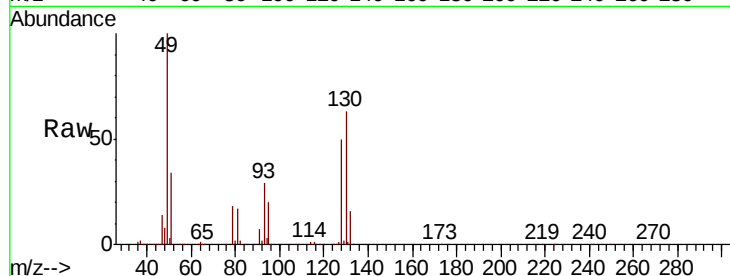
Tot Ion: 49 Resp: 1060458

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

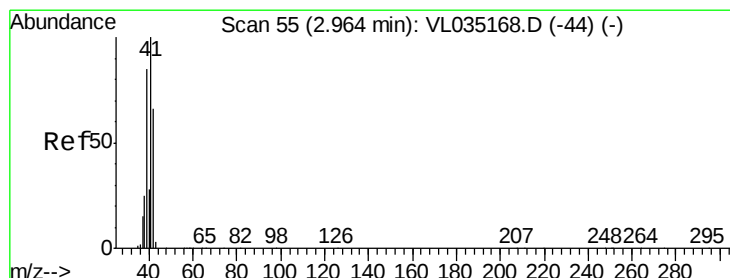
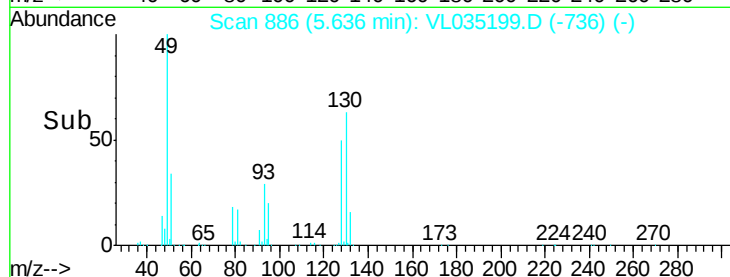
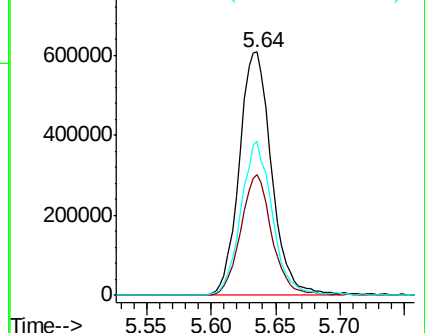
130 62.6 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.037 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL035199.D

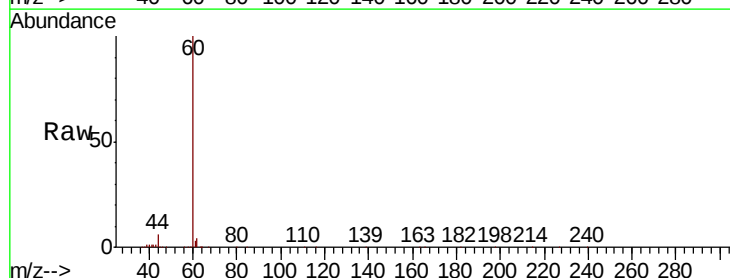
Acq: 16 Jul 2020 18:28

Tgt Ion: 41 Resp: 1629

Ion Ratio Lower Upper

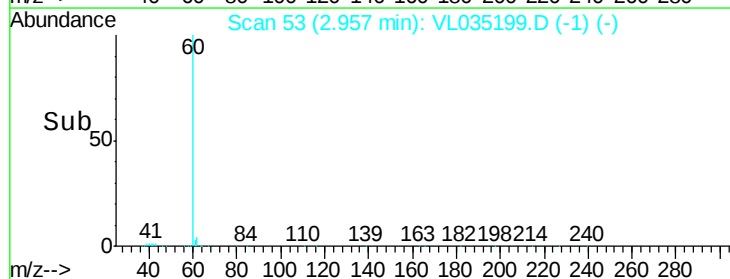
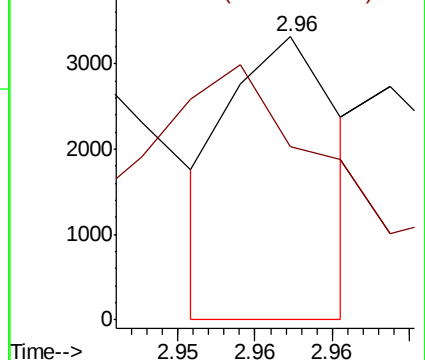
41 100

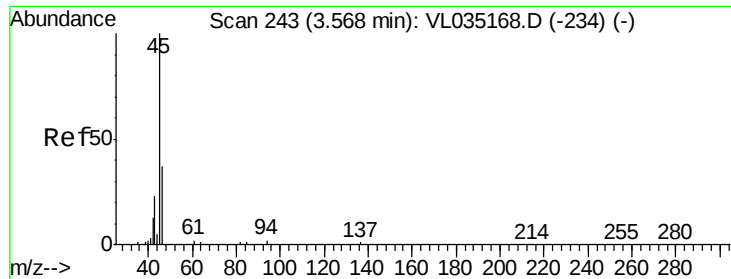
42 249.5 54.6 81.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.098 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035199.D

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Instrument :

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ClientSampleId :

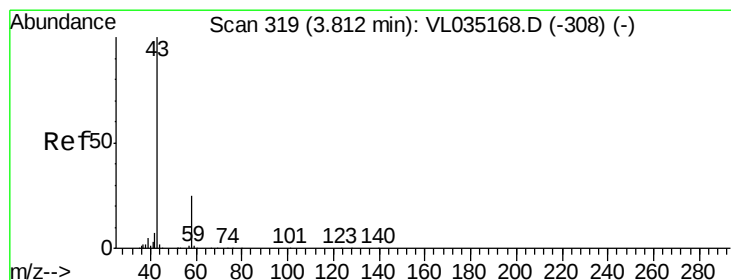
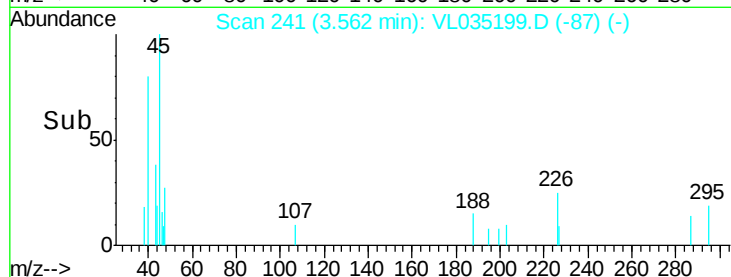
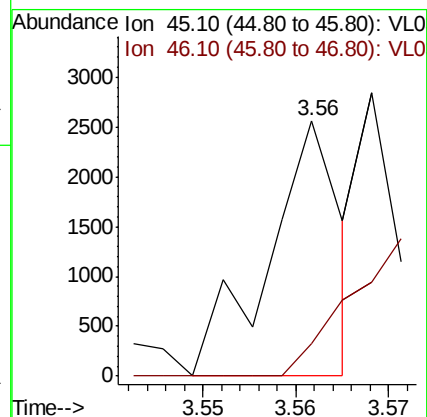
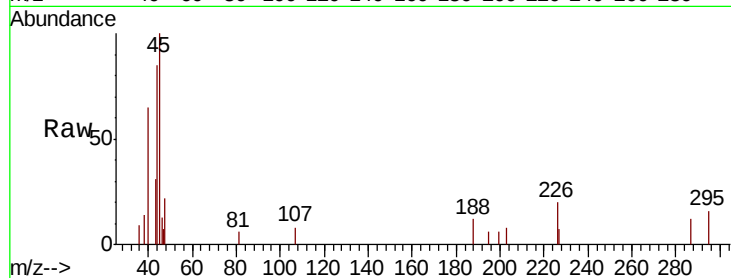
PERM-02DL

Tot Ion: 45 Resp: 1379

Ion Ratio Lower Upper

45 100

46 0.0 16.2 65.0#



#15

Acetone

Concen: 0.183 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035199.D

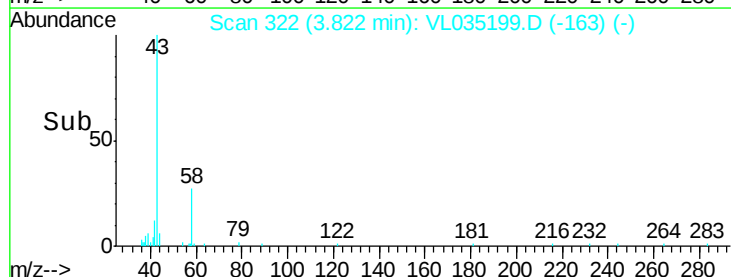
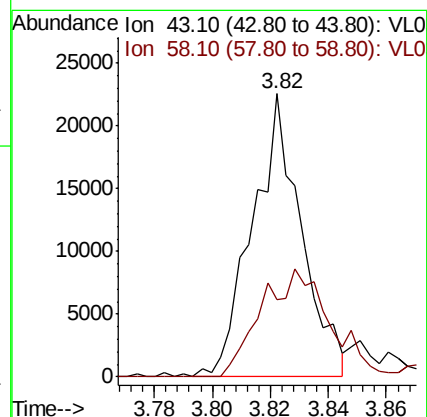
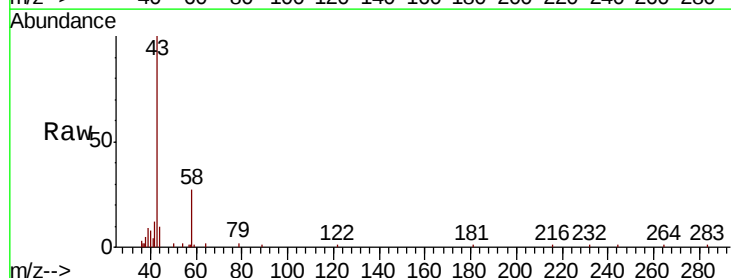
Acq: 16 Jul 2020 18:28

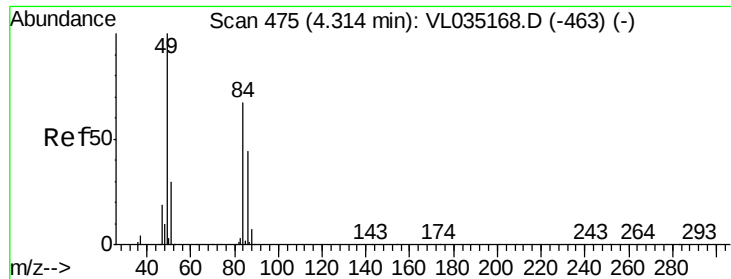
Tgt Ion: 43 Resp: 26325

Ion Ratio Lower Upper

43 100

58 55.3 21.3 31.9#

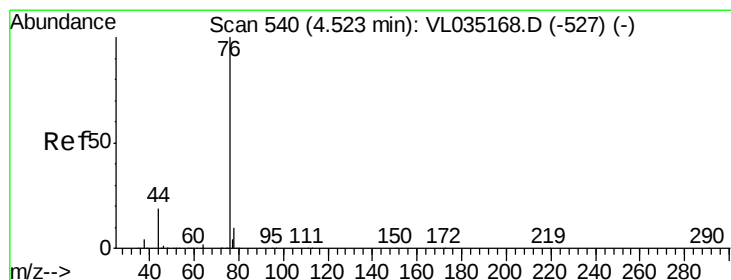
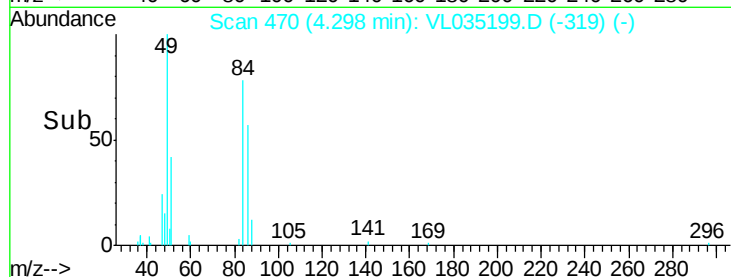
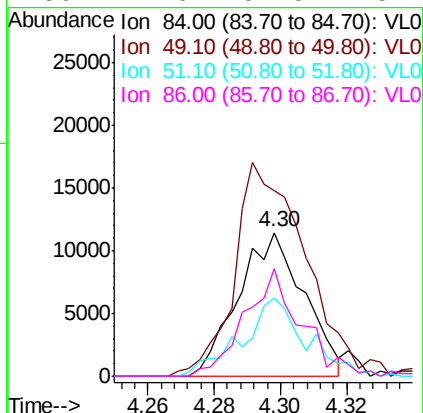
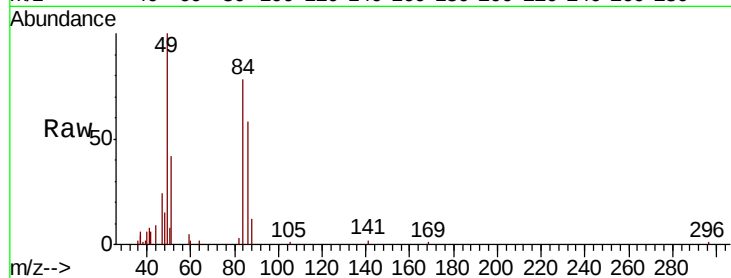




#20
Methvlene Chloride
Concen: 0.253 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.02 min
Lab File: VL035199.D
Acq: 16 Jul 2020 18:28

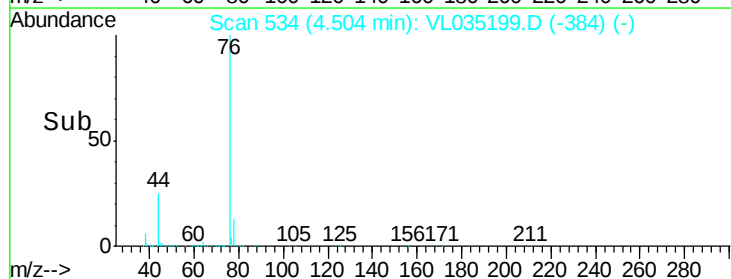
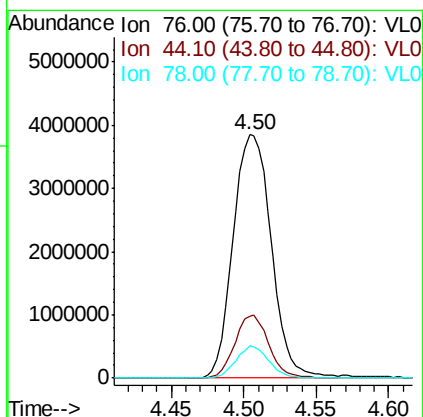
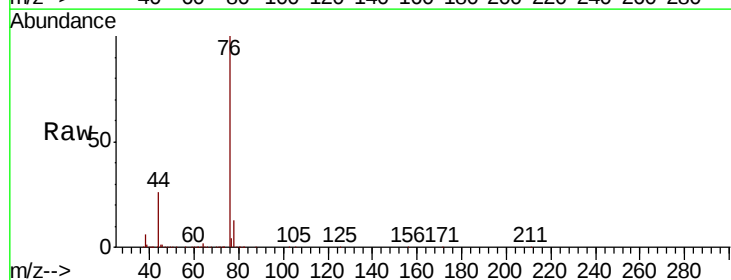
Instrument :
MSVOA_L
ClientSampleId :
PERM-02DL

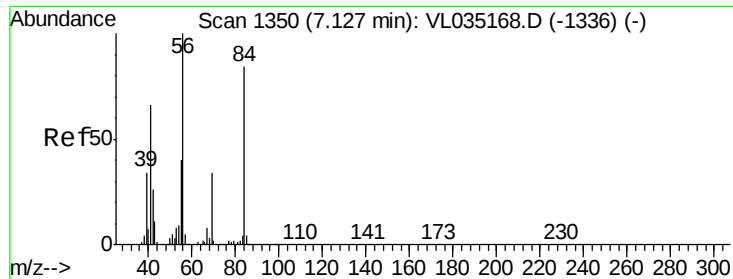
Tot Ion: 84 Resp: 15784
Ion Ratio Lower Upper
84 100
49 123.9 119.4 179.0
51 52.0 36.6 55.0
86 74.6 52.5 78.7



#27
Carbon Disulfide
Concen: 51.471 ppbv
RT: 4.50 min Scan# 534
Delta R.T. -0.02 min
Lab File: VL035199.D
Acq: 16 Jul 2020 18:28

Tgt Ion: 76 Resp: 7060622
Ion Ratio Lower Upper
76 100
44 23.1 14.9 22.3#
78 11.4 7.5 11.3#

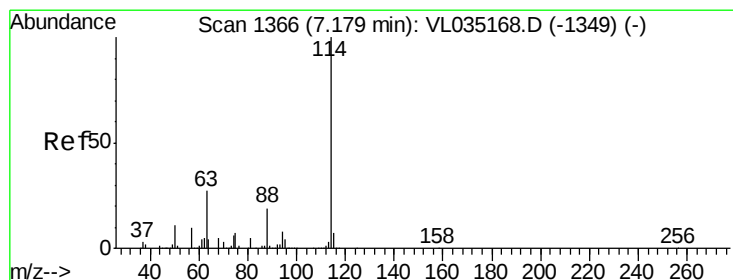
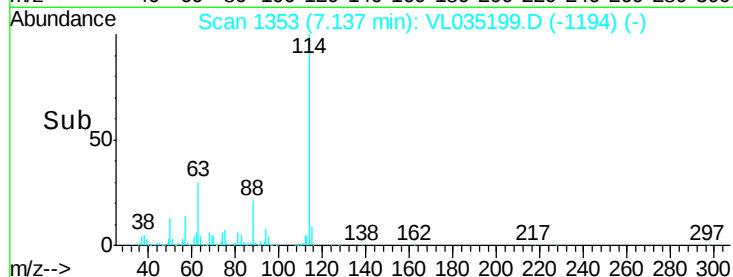
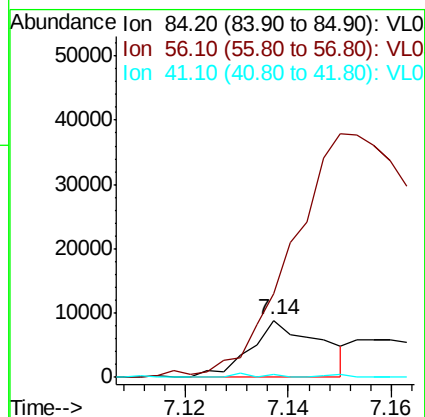
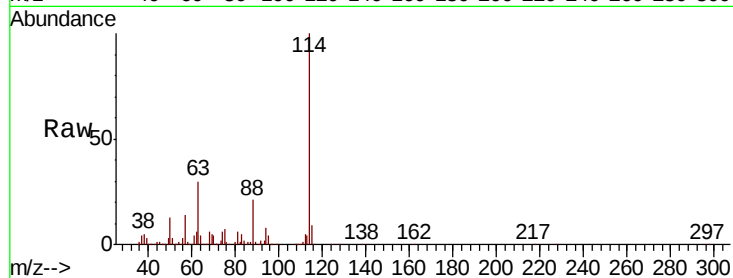




#30
Cvclohexane
Concen: 0.114 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035199.D
Acq: 16 Jul 2020 18:28

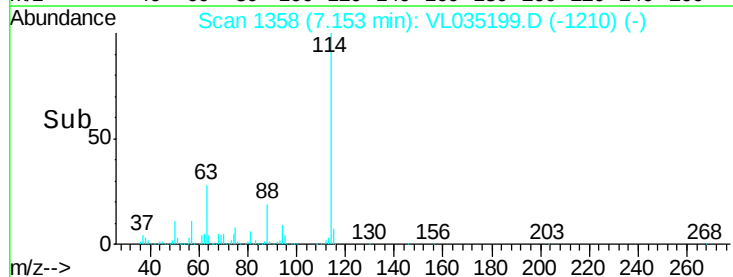
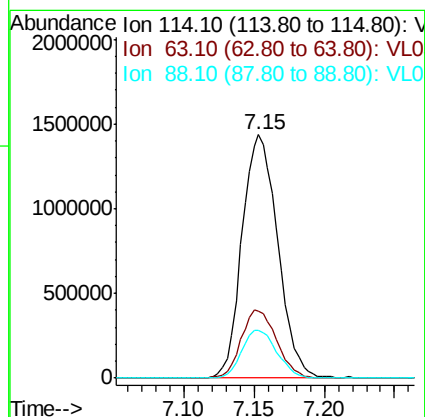
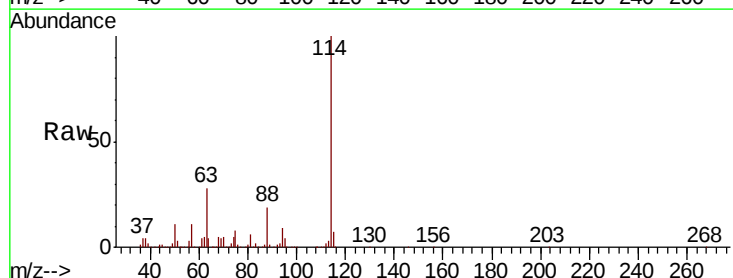
Instrument :
MSVOA_L
ClientSampleId :
PERM-02DL

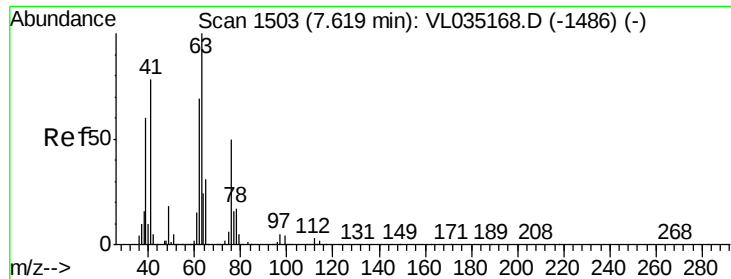
Tot Ion: 84 Resp: 8269
Ion Ratio Lower Upper
84 100
56 0.0 105.6 158.4#
41 3.5 64.9 97.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL035199.D
Acq: 16 Jul 2020 18:28

Tgt Ion:114 Resp: 2552656
Ion Ratio Lower Upper
114 100
63 27.8 22.0 33.0
88 19.5 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.536 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.47 min

Lab File: VL035199.D

Acq: 16 Jul 2020 18:28

Instrument :

MSVOA_L

ClientSampleId :

PERM-02DL

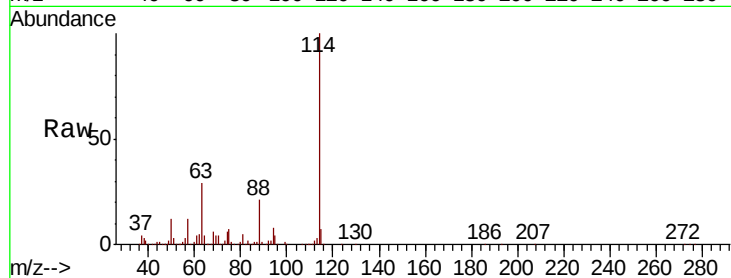
Tot Ion: 63 Resp: 700649

Ion Ratio Lower Upper

63 100

41 0.1 62.6 94.0#

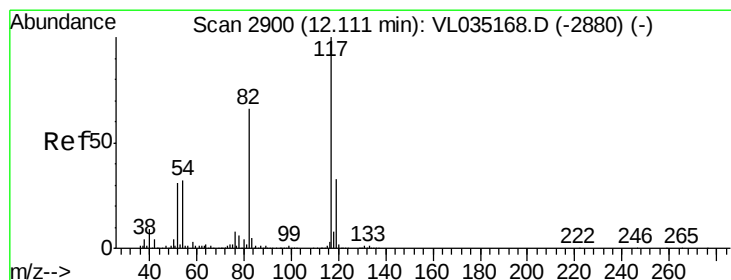
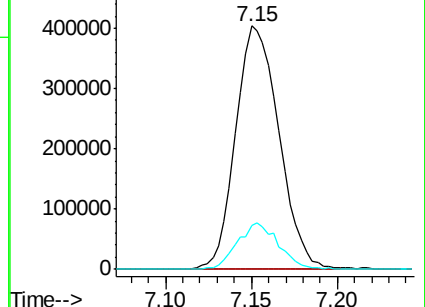
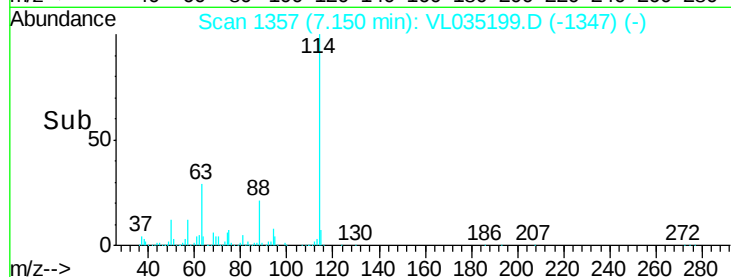
62 18.2 55.0 82.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.02 min

Lab File: VL035199.D

Acq: 16 Jul 2020 18:28

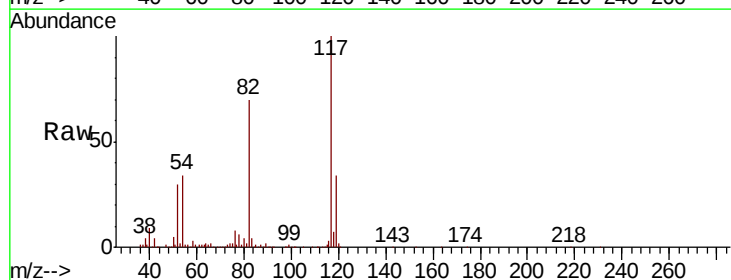
Tgt Ion: 117 Resp: 2387635

Ion Ratio Lower Upper

117 100

82 68.7 52.3 78.5

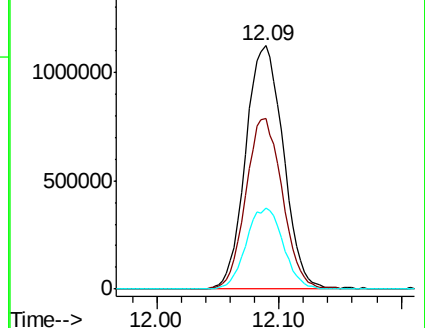
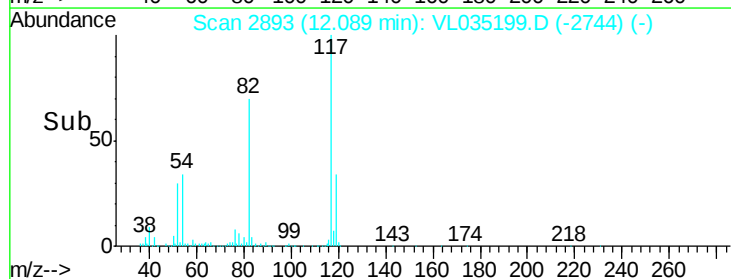
119 33.1 24.9 37.3

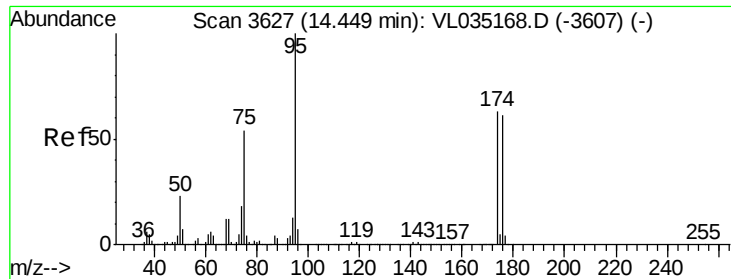


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.143 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.02 min
 Lab File: VL035199.D
 Acq: 16 Jul 2020 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 PERM-02DL

Tot Ion: 95 Resp: 1967397
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.2 78.2
 175 4.8 4.0 6.0

