

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035975.D
 Acq On : 18 Nov 2020 16:13
 Operator : SY/AP
 Sample : L4773-01DL2 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Nov 19 08:11:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1141985	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	4029035	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3849575	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2777640	10.16	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

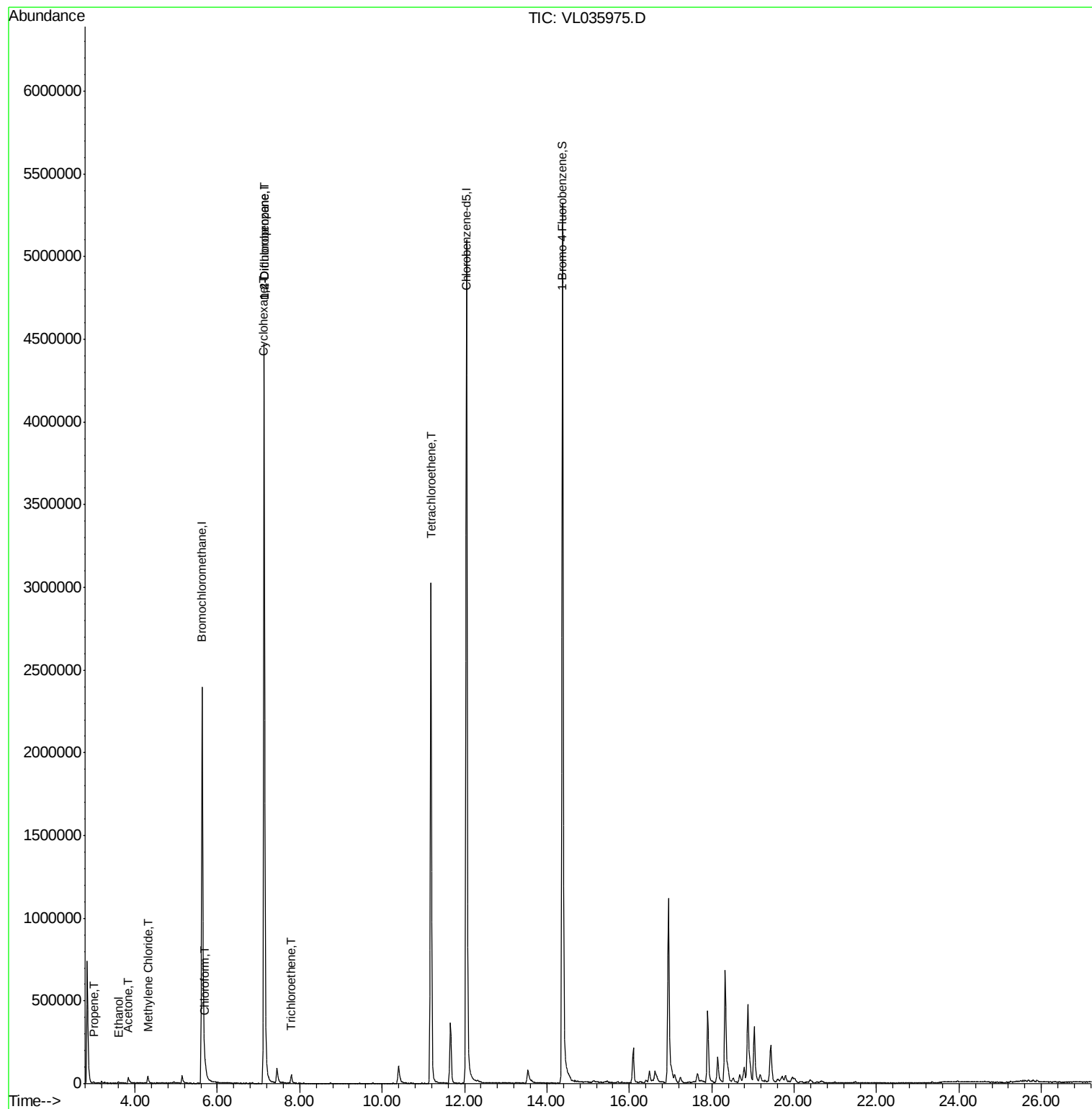
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	3182	0.064	ppbv	84
13) Ethanol	3.59	45	2948	0.271	ppbv #	35
15) Acetone	3.83	43	38044	0.312	ppbv #	44
20) Methylene Chloride	4.31	84	22452	0.261	ppbv	96
29) Chloroform	5.71	83	27111	0.104	ppbv	86
30) Cyclohexane	7.12	84	10391	0.072	ppbv #	6
38) Trichloroethene	7.80	130	18338	0.125	ppbv #	73
39) 1,2-Dichloropropane	7.13	63	823163	8.163	ppbv #	30
52) Tetrachloroethene	11.19	164	822320	5.795	ppbv	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 884

Delta R.T. -0.04 min

Lab File: VL035975.D

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Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

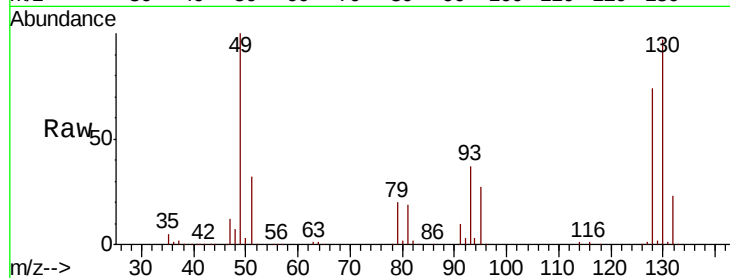
Tot Ion: 49 Resp: 1141985

Ion Ratio Lower Upper

49 100

128 78.0 41.5 124.6

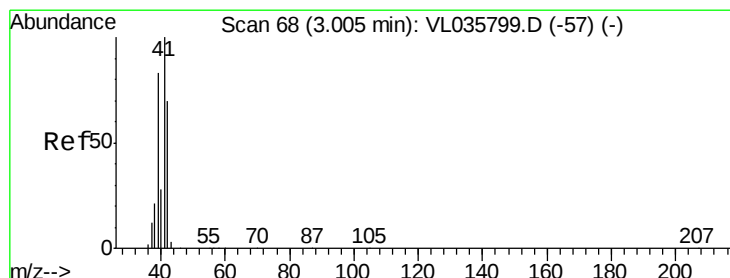
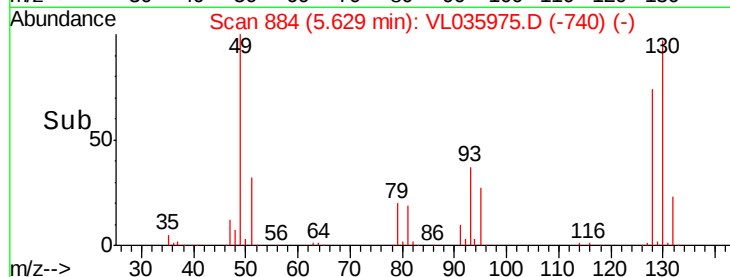
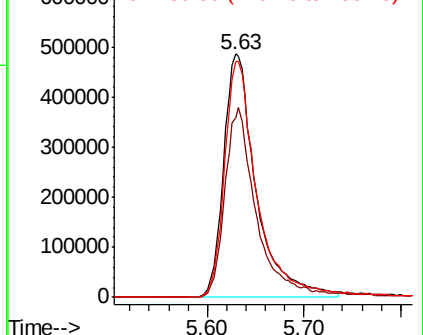
130 98.2 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.064 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035975.D

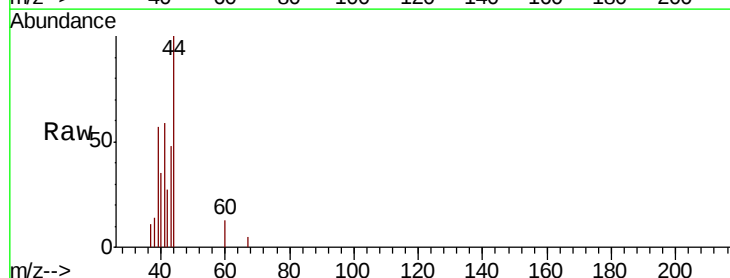
Acq: 18 Nov 2020 16:13

Tgt Ion: 41 Resp: 3182

Ion Ratio Lower Upper

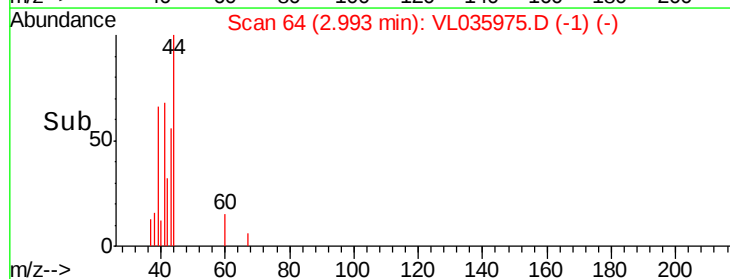
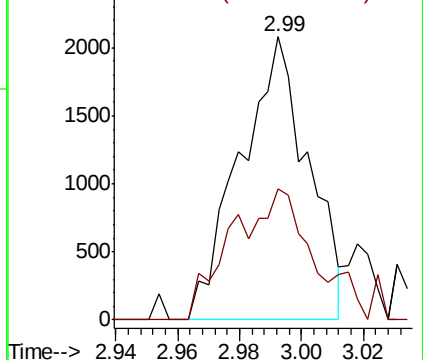
41 100

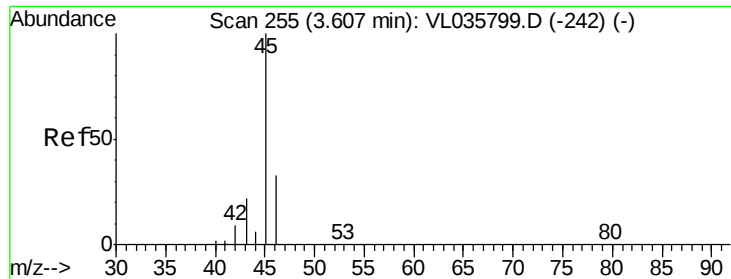
42 57.3 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.271 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL035975.D

Acq: 18 Nov 2020 16:13

Instrument :

MSVOA_L

ClientSampleId :

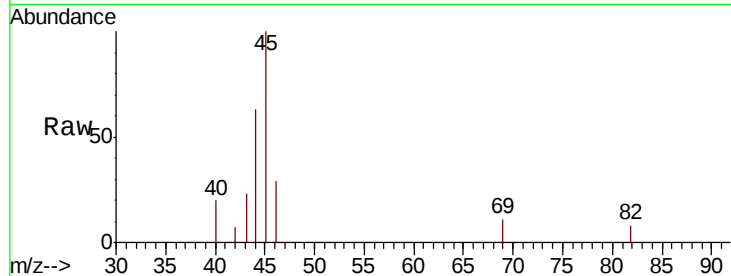
SV1DL2

Tot Ion: 45 Resp: 2948

Ion Ratio Lower Upper

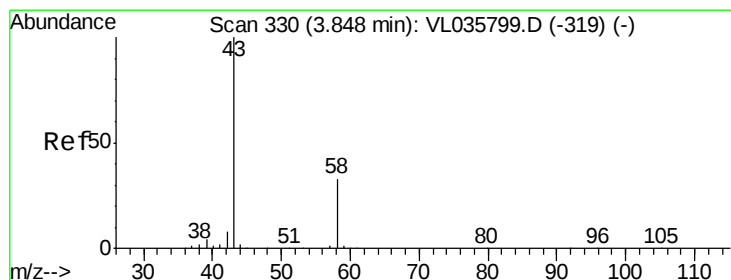
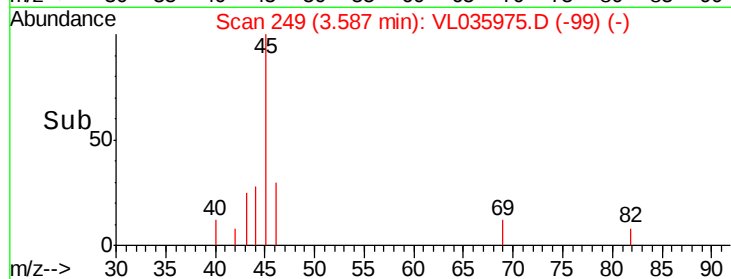
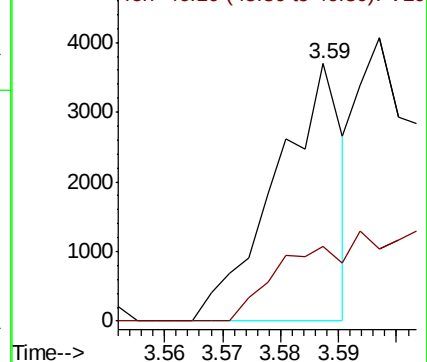
45 100

46 0.0 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.312 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035975.D

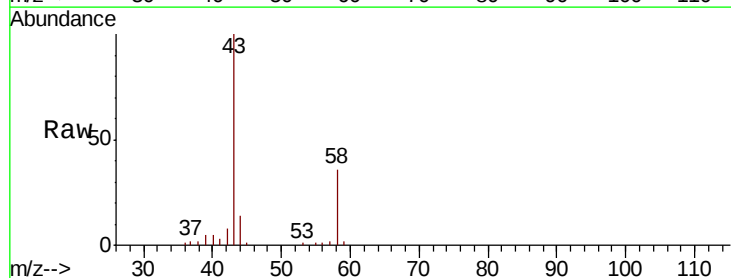
Acq: 18 Nov 2020 16:13

Tgt Ion: 43 Resp: 38044

Ion Ratio Lower Upper

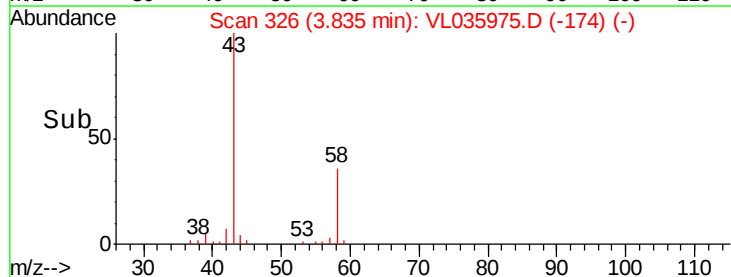
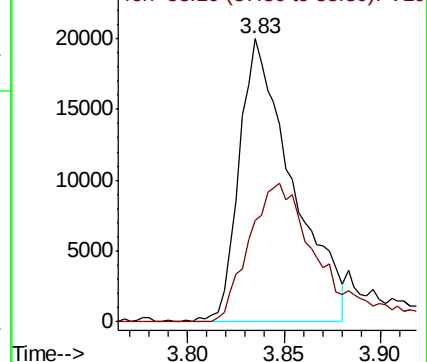
43 100

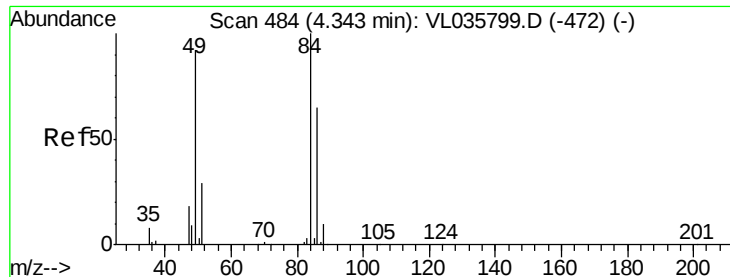
58 66.9 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

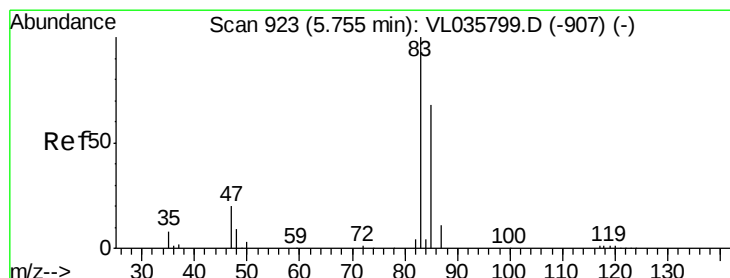
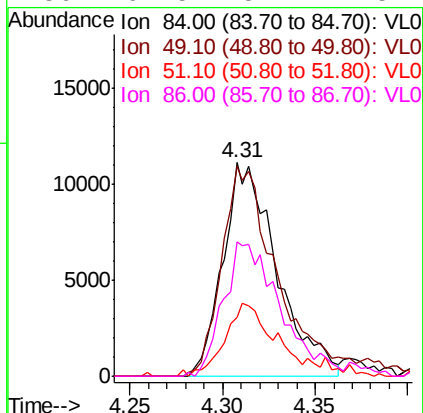
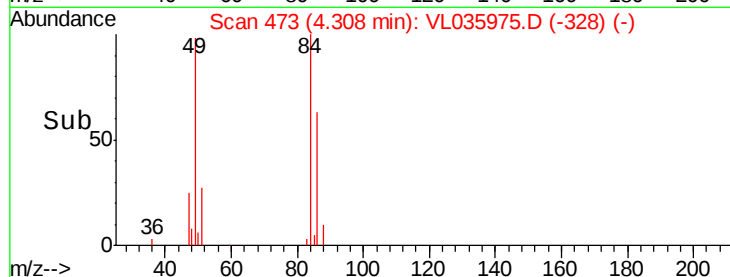
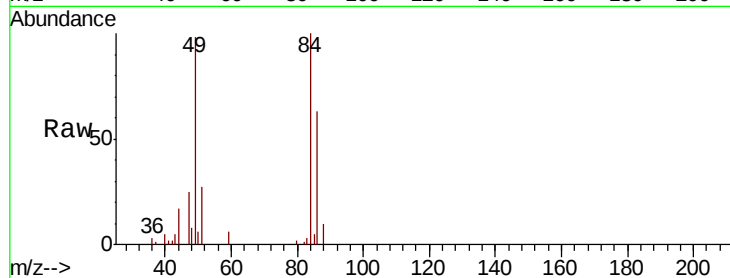




#20
Methvlene Chloride
Concen: 0.261 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.04 min
Lab File: VL035975.D
Acq: 18 Nov 2020 16:13

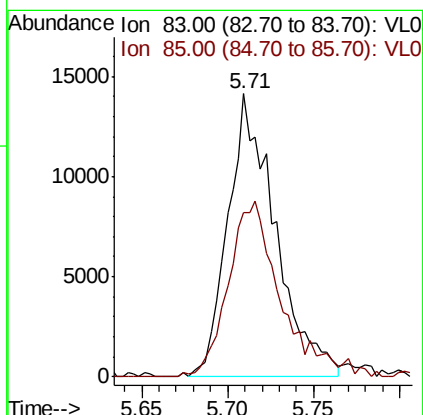
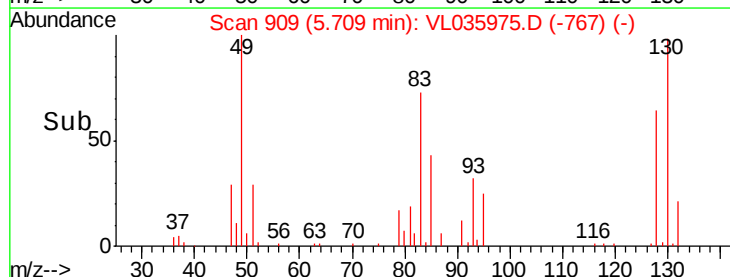
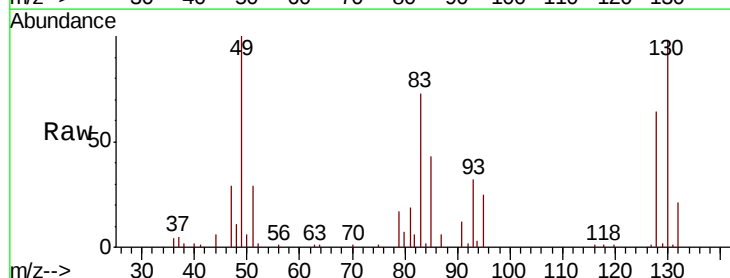
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

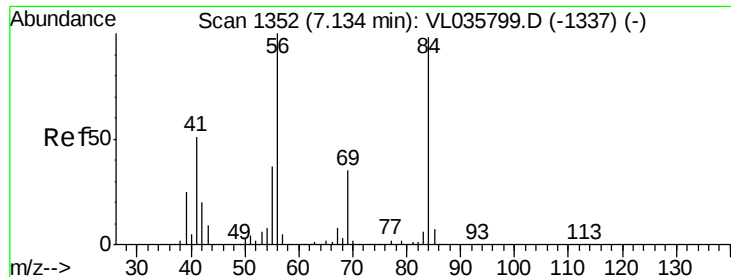
Tot Ion:	84	Resp:	22452
Ion	Ratio	Lower	Upper
84	100		
49	96.4	73.8	110.8
51	27.5	23.0	34.4
86	61.5	52.1	78.1



#29
Chloroform
Concen: 0.104 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.05 min
Lab File: VL035975.D
Acq: 18 Nov 2020 16:13

Tgt Ion:	83	Resp:	27111
Ion	Ratio	Lower	Upper
83	100		
85	56.9	54.6	81.8

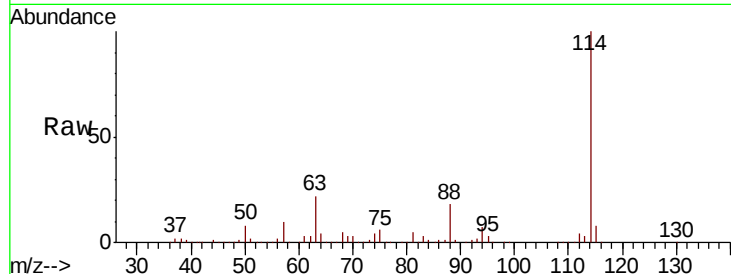




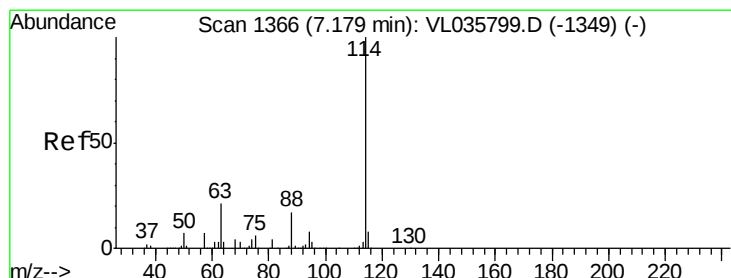
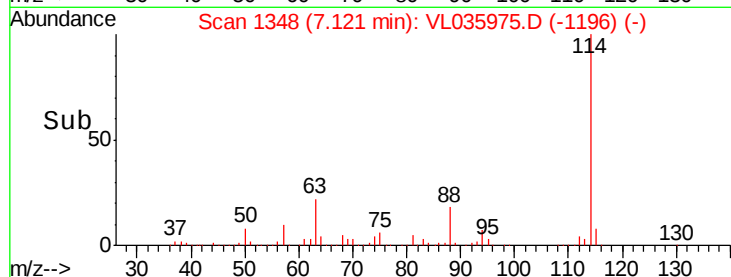
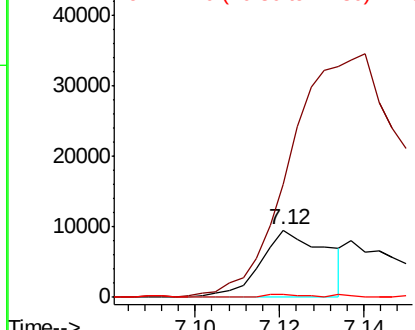
#30
Cvclohexane
Concen: 0.072 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035975.D
Acq: 18 Nov 2020 16:13

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion: 84 Resp: 10391
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#

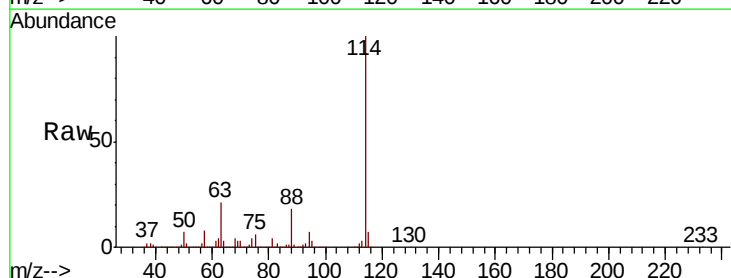


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

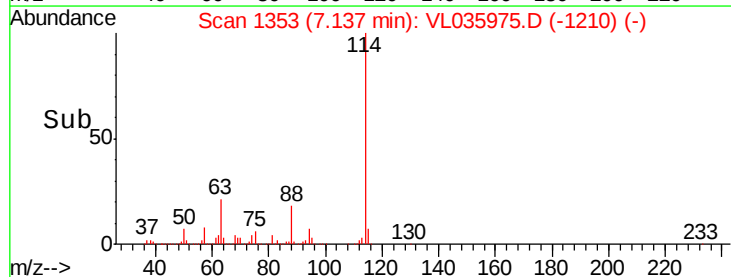
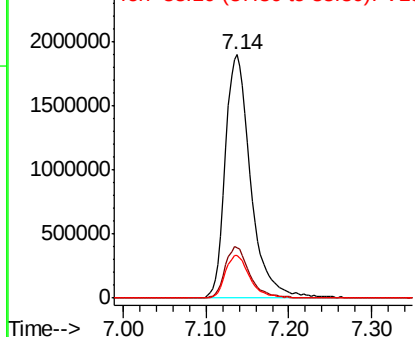


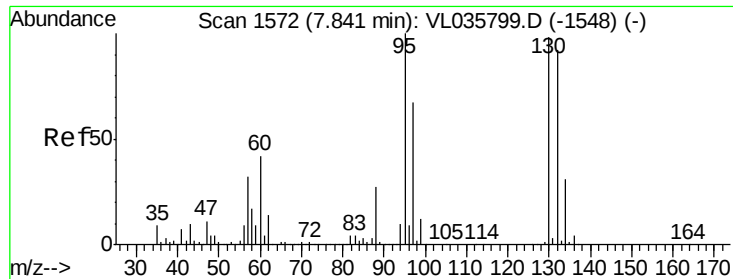
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.04 min
Lab File: VL035975.D
Acq: 18 Nov 2020 16:13

Tgt Ion: 114 Resp: 4029035
Ion Ratio Lower Upper
114 100
63 20.7 16.1 24.1
88 17.3 13.7 20.5



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

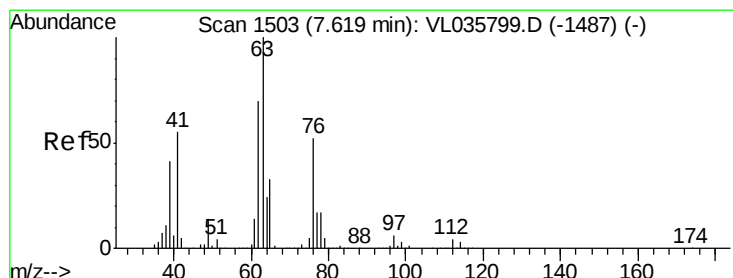
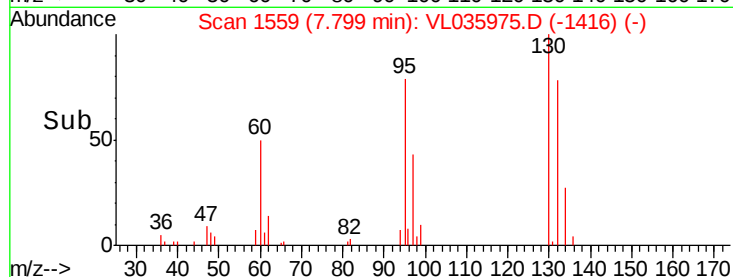
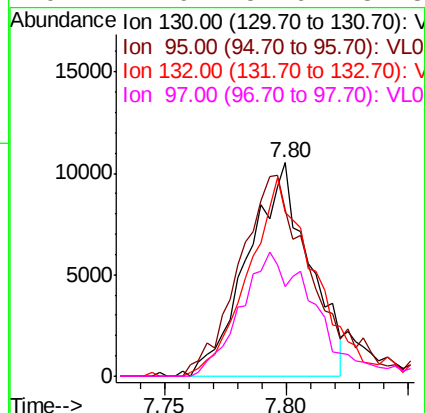
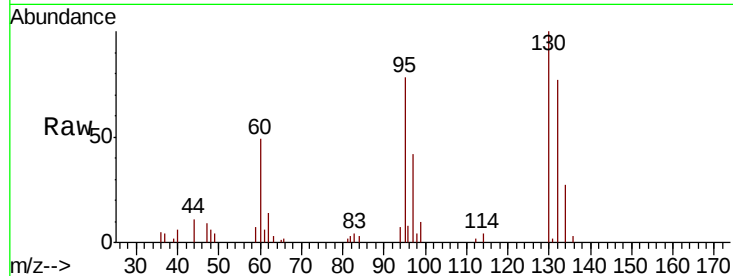




#38
 Trichloroethene
 Concen: 0.125 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.04 min
 Lab File: VL035975.D
 Acq: 18 Nov 2020 16:13

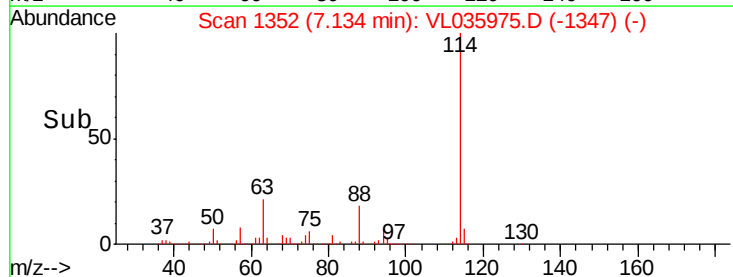
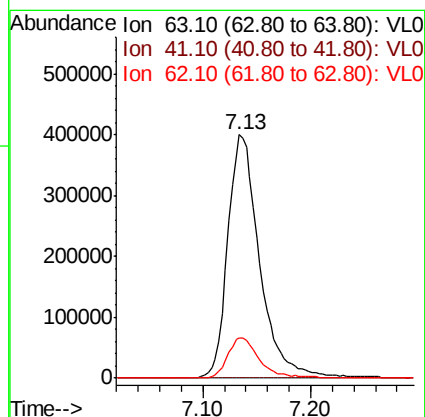
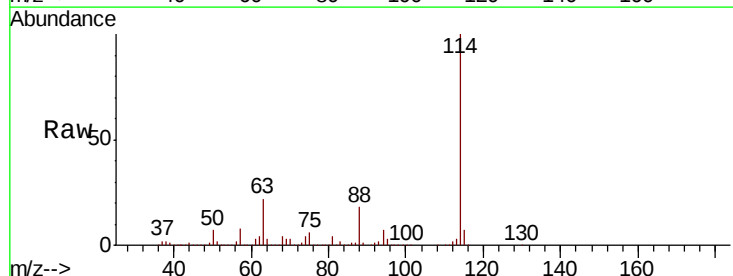
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

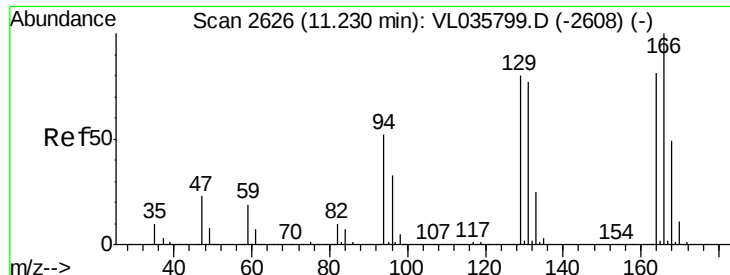
Tot Ion:130 Resp: 18338
 Ion Ratio Lower Upper
 130 100
 95 72.3 81.6 122.4#
 132 74.5 75.1 112.7#
 97 41.9 54.6 81.8#



#39
 1,2-Dichloropropane
 Concen: 8.163 ppbv
 RT: 7.13 min Scan# 1352
 Delta R.T. -0.49 min
 Lab File: VL035975.D
 Acq: 18 Nov 2020 16:13

Tgt Ion: 63 Resp: 823163
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 16.4 56.2 84.2#





#52

Tetrachloroethene

Concen: 5.795 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.04 min

Lab File: VL035975.D

Acq: 18 Nov 2020 16:13

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion:164 Resp: 822320

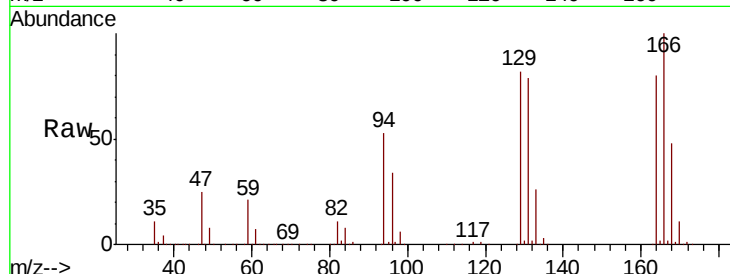
Ion Ratio Lower Upper

164 100

166 125.5 99.3 148.9

129 102.4 79.3 118.9

131 99.6 76.5 114.7

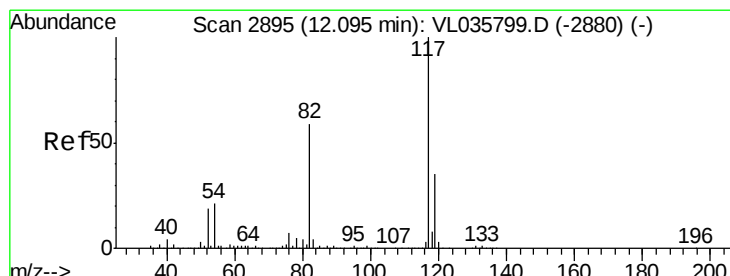
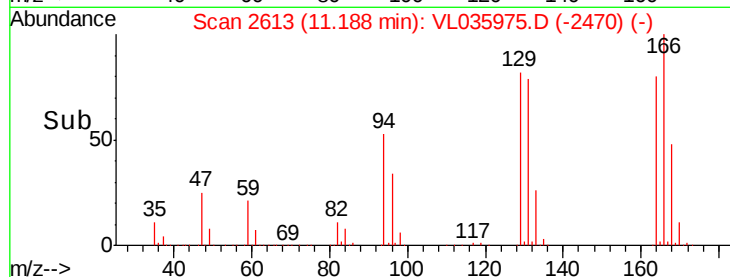
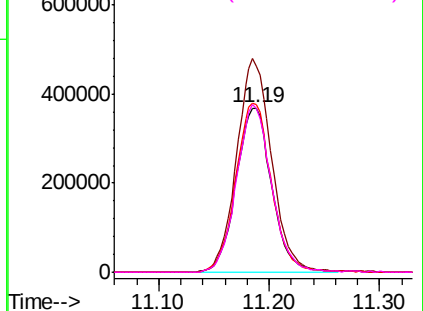


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2880

Delta R.T. -0.05 min

Lab File: VL035975.D

Acq: 18 Nov 2020 16:13

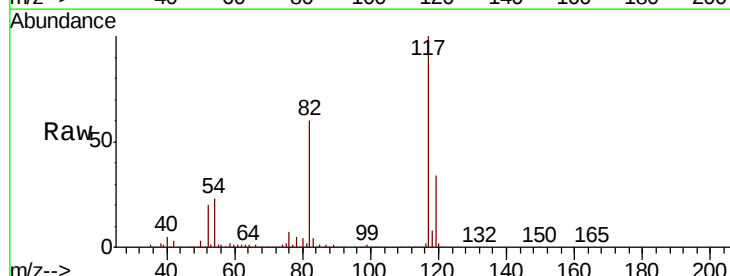
Tgt Ion:117 Resp: 3849575

Ion Ratio Lower Upper

117 100

82 61.1 50.6 76.0

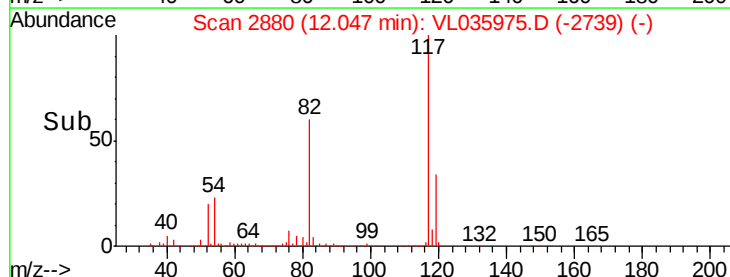
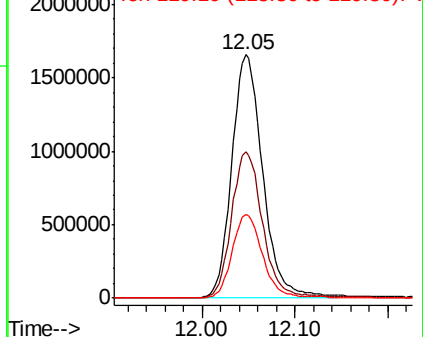
119 34.1 52.6 78.8#

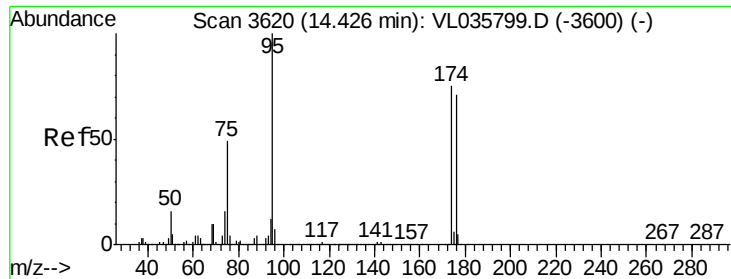


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.156 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.05 min

Lab File: VL035975.D

Acq: 18 Nov 2020 16:13

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion: 95 Resp: 2777640

Ion Ratio Lower Upper

95 100

174 73.7 59.8 89.6

175 5.1 4.3 6.5

