

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041746.D
 Acq On : 12 Dec 2024 12:06
 Operator : SY/MD
 Sample : P5150-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Dec 12 14:52:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 12 13:35:39 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

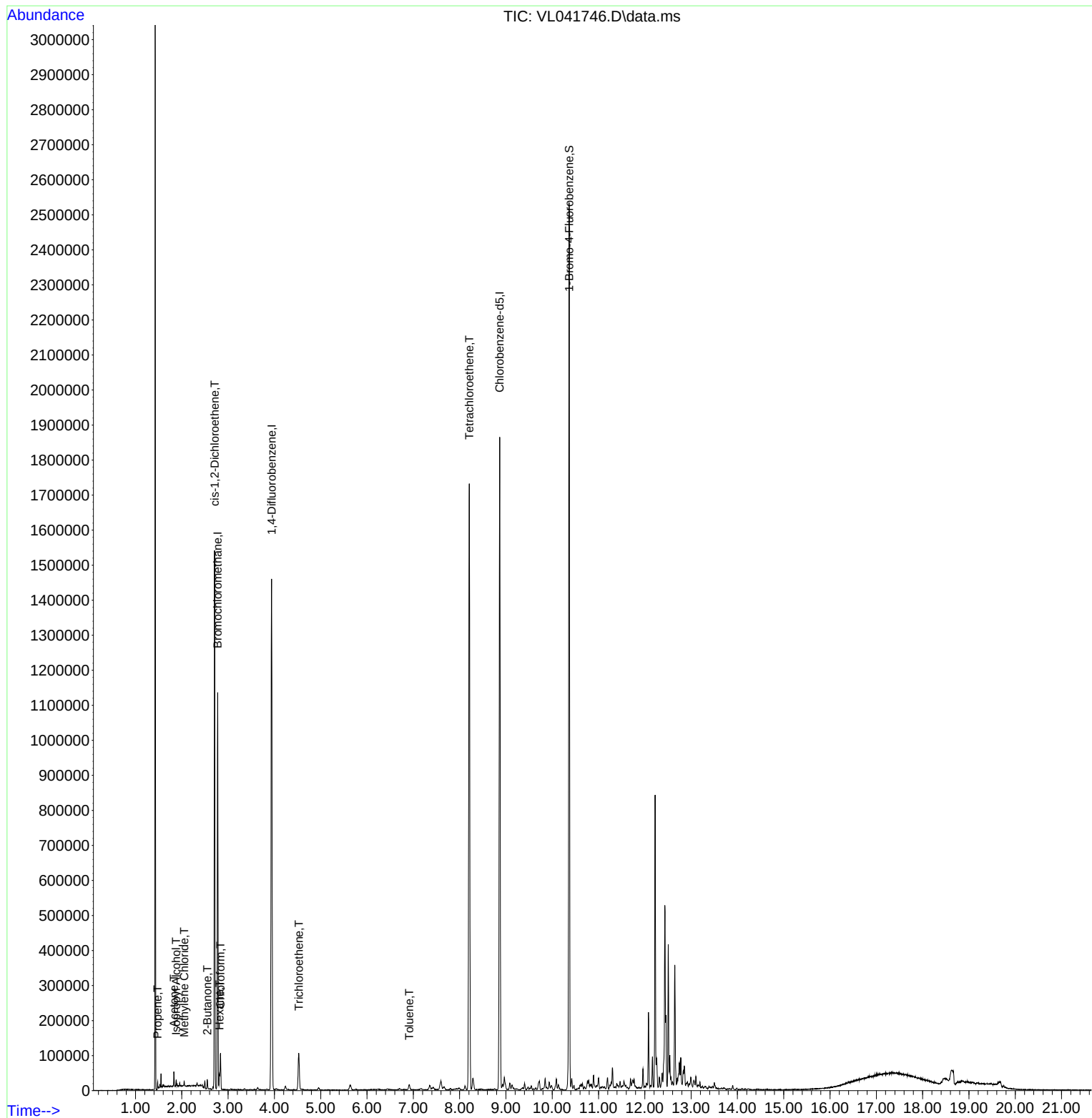
Internal Standards						
1) Bromochloromethane	2.774	49	239706	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.939	114	1117191	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.865	117	972026	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	646982	10.125	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
9) Propene	1.476	41	3438	0.247	ppbv	98
15) Acetone	1.829	43	15718	0.568	ppbv #	66
19) Isopropyl Alcohol	1.877	45	8413	0.320	ppbv #	33
20) Methylene Chloride	2.052	84	2891	0.172	ppbv #	94
26) Hexane	2.813	57	12095	0.324	ppbv #	44
29) Chloroform	2.835	83	45096	0.790	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	434764	12.581	ppbv	99
34) 2-Butanone	2.551	43	15355	0.393	ppbv	95
38) Trichloroethene	4.528	130	36714	0.806	ppbv	96
52) Tetrachloroethene	8.208	164	404762	8.697	ppbv	100
53) Toluene	6.910	91	12027	0.111	ppbv	97

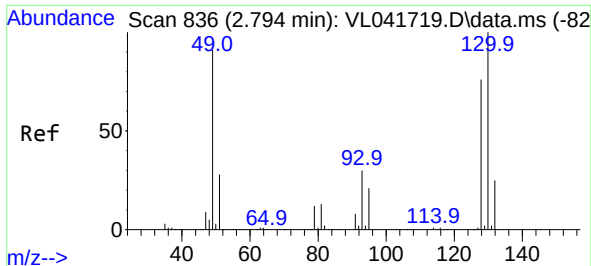
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
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Quant Time: Dec 12 14:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration

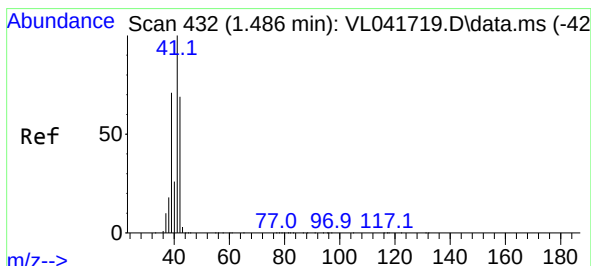
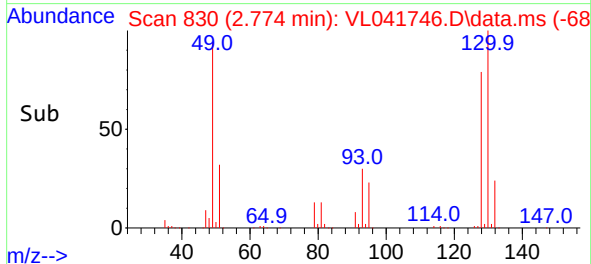
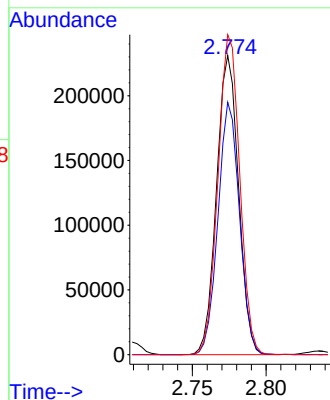
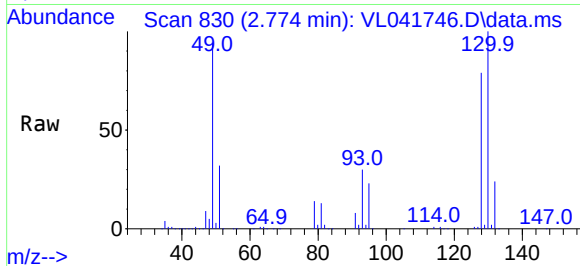




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.020 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

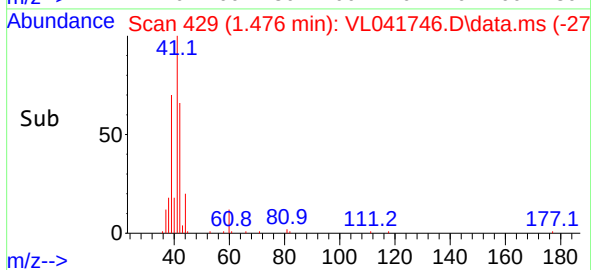
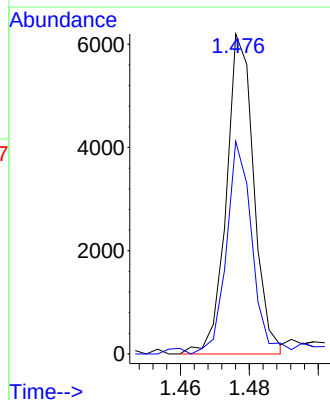
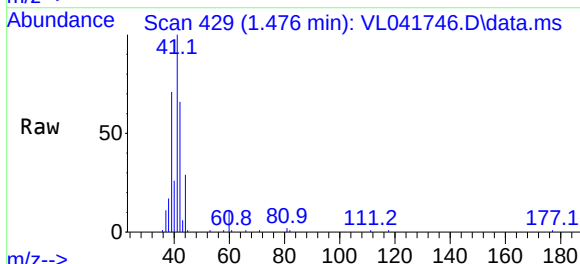
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

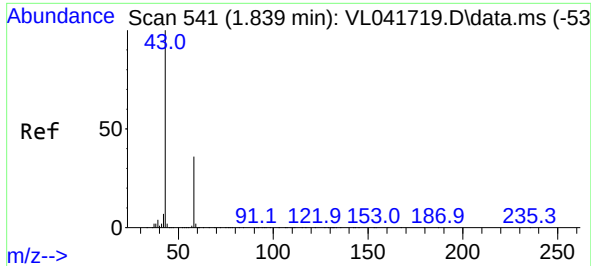
Tgt Ion: 49 Resp: 239706
Ion Ratio Lower Upper
49 100
128 82.6 42.8 128.3
130 106.4 55.8 167.4



#9
Propene
Concen: 0.247 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.010 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 41 Resp: 3438
Ion Ratio Lower Upper
41 100
42 68.4 56.2 84.4





#15

Acetone

Concen: 0.568 ppbv

RT: 1.829 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL041746.D

Acq: 12 Dec 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

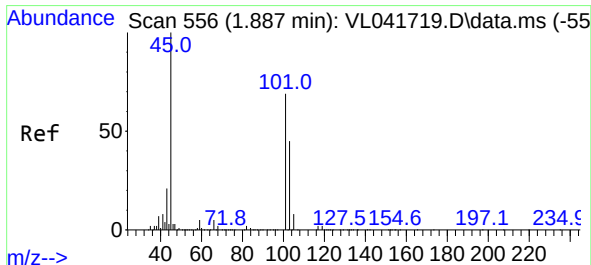
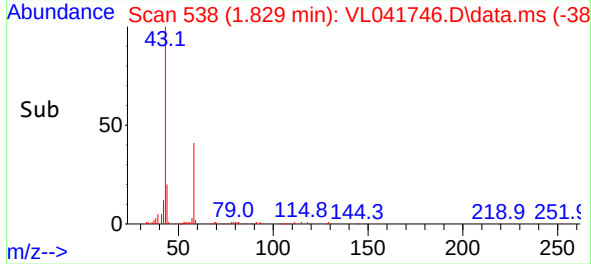
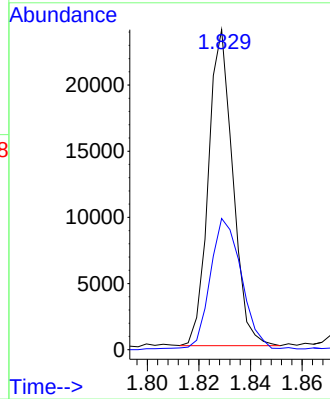
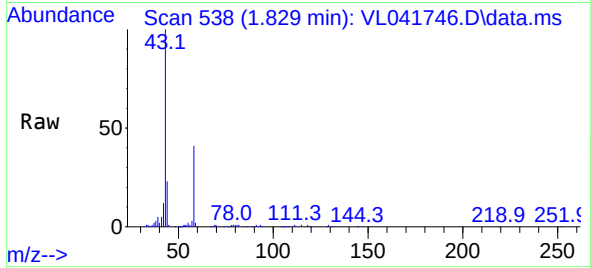
SV1DL

Tgt Ion: 43 Resp: 15718

Ion Ratio Lower Upper

43 100

58 56.2 28.9 43.3#



#19

Isopropyl Alcohol

Concen: 0.320 ppbv

RT: 1.877 min Scan# 553

Delta R.T. -0.010 min

Lab File: VL041746.D

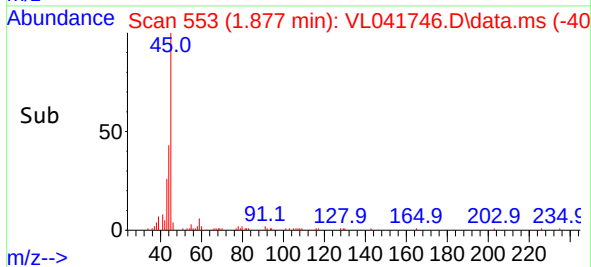
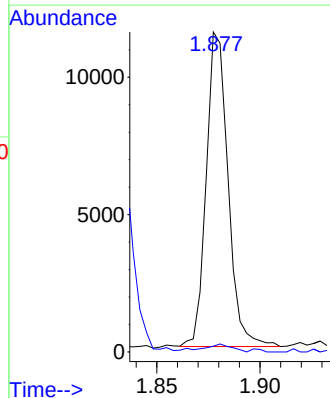
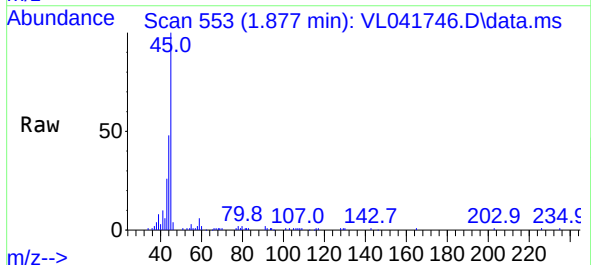
Acq: 12 Dec 2024 12:06

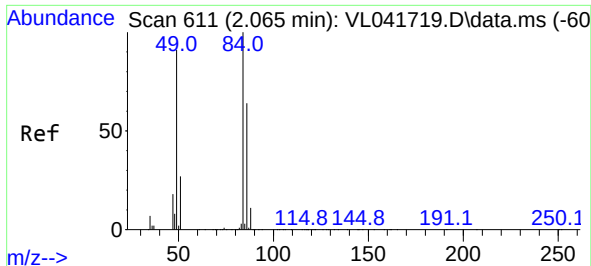
Tgt Ion: 45 Resp: 8413

Ion Ratio Lower Upper

45 100

58 4.0 40.6 61.0#



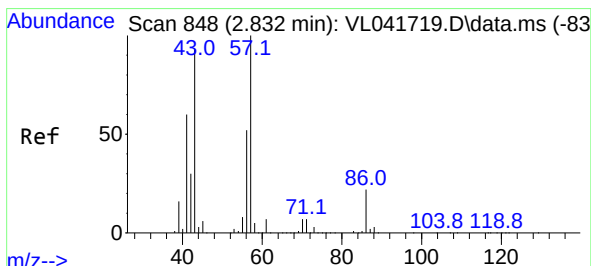
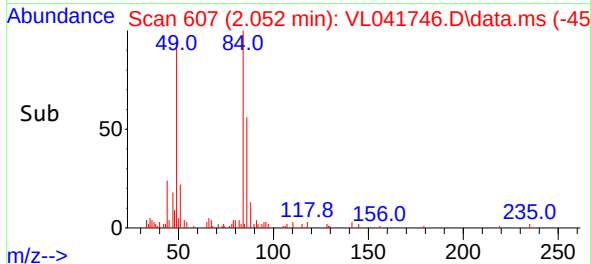
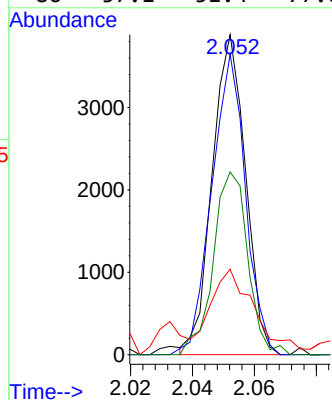
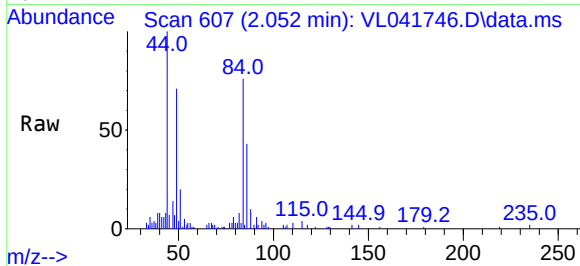


#20
Methylene Chloride
Concen: 0.172 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.013 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 84 Resp: 2891

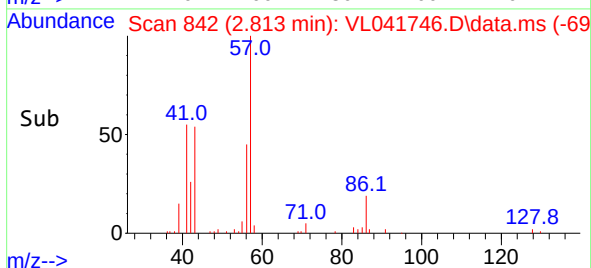
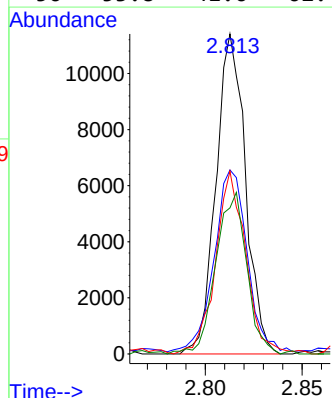
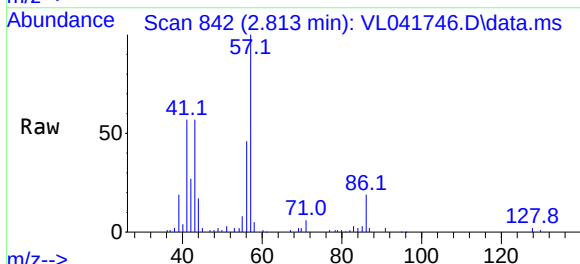
Ion	Ratio	Lower	Upper
84	100		
49	93.9	73.6	110.4
51	20.7	22.7	34.1#
86	57.1	51.4	77.0

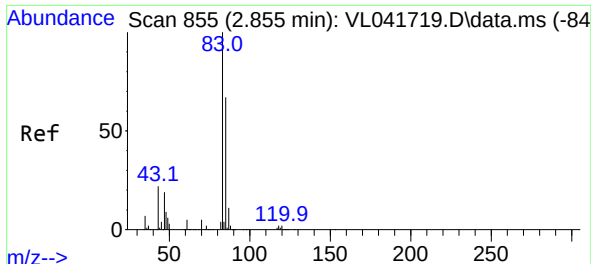


#26
Hexane
Concen: 0.324 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.020 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 57 Resp: 12095

Ion	Ratio	Lower	Upper
57	100		
41	62.4	49.5	74.3
43	58.6	150.6	225.8#
56	53.8	41.6	62.4

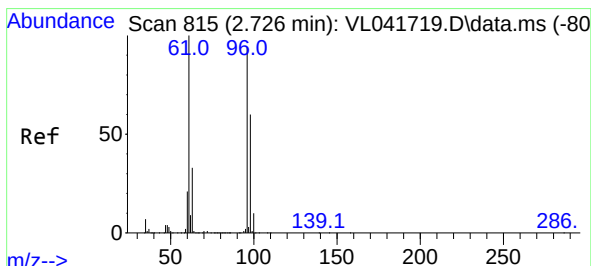
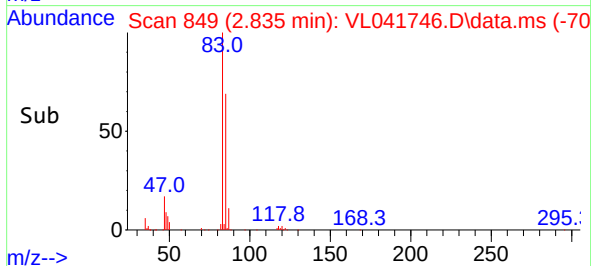
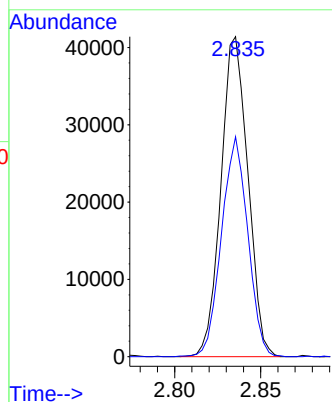
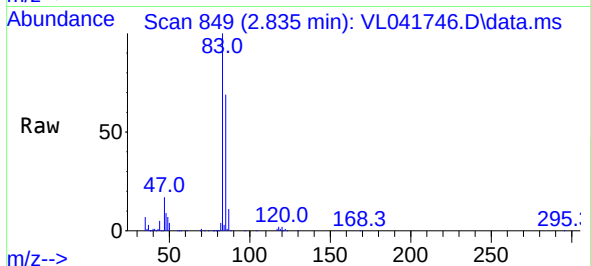




#29
Chloroform
Concen: 0.790 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.020 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

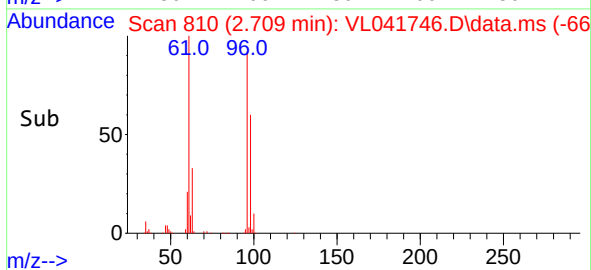
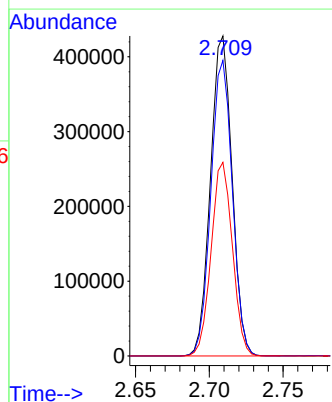
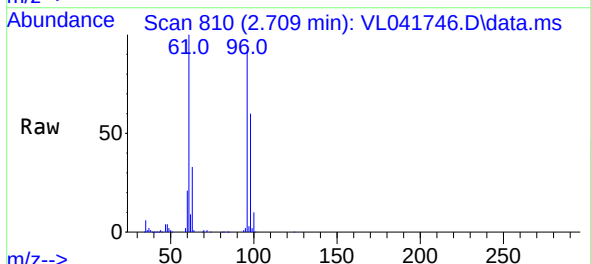
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

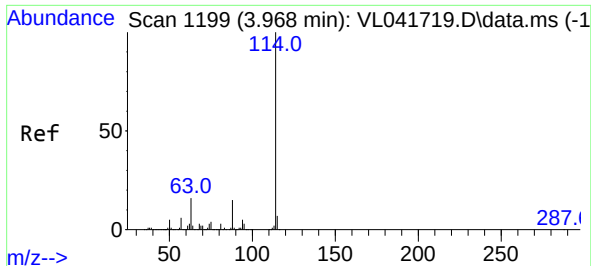
Tgt Ion: 83 Resp: 45096
Ion Ratio Lower Upper
83 100
85 68.5 53.6 80.4



#31
cis-1,2-Dichloroethene
Concen: 12.581 ppbv
RT: 2.709 min Scan# 810
Delta R.T. -0.016 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 61 Resp: 434764
Ion Ratio Lower Upper
61 100
96 92.3 75.4 113.2
98 60.5 48.3 72.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1117

Delta R.T. -0.029 min

Lab File: VL041746.D

Acq: 12 Dec 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

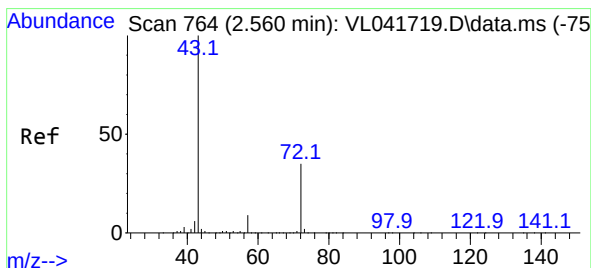
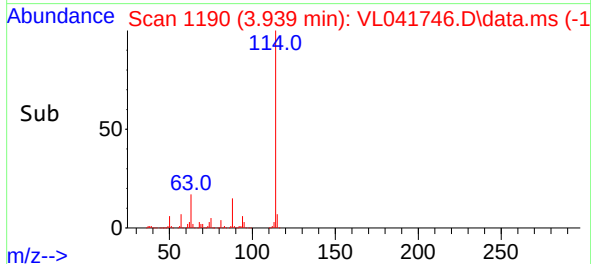
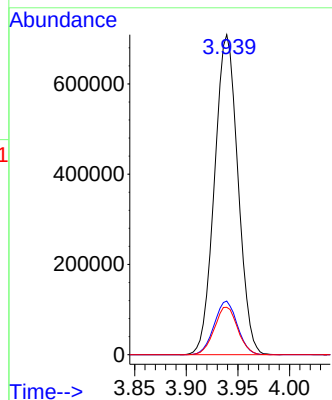
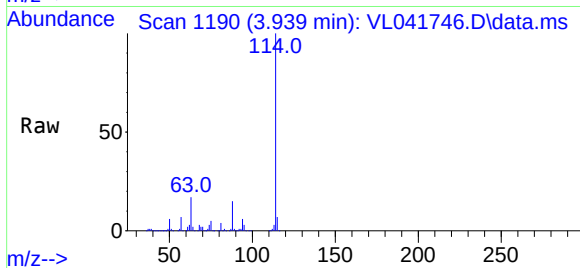
Tgt Ion:114 Resp: 1117191

Ion Ratio Lower Upper

114 100

63 16.6 12.9 19.3

88 14.9 11.8 17.6



#34

2-Butanone

Concen: 0.393 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.010 min

Lab File: VL041746.D

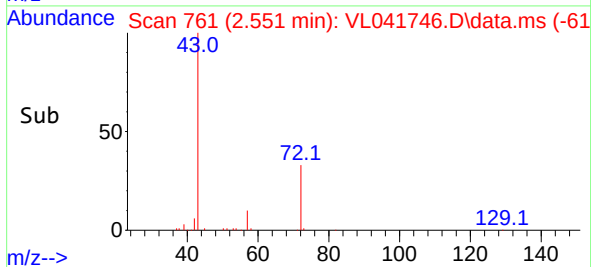
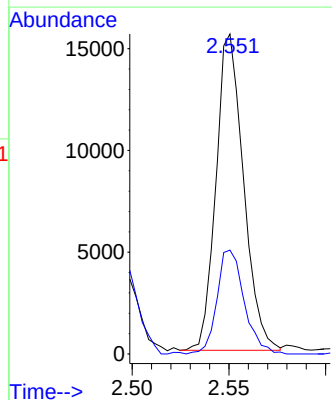
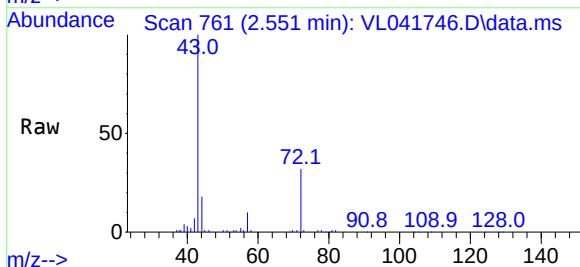
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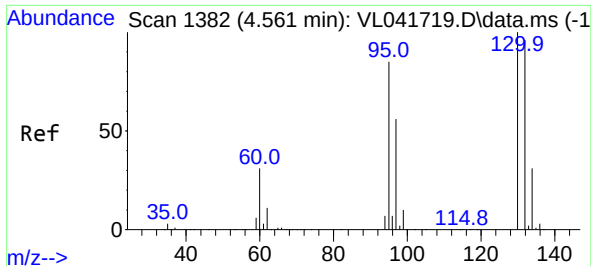
Tgt Ion: 43 Resp: 15355

Ion Ratio Lower Upper

43 100

72 32.5 28.3 42.5

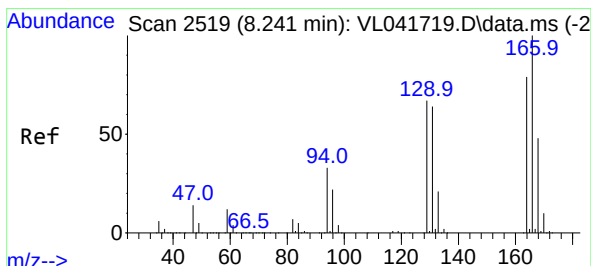
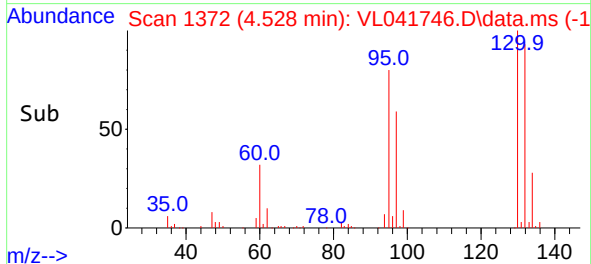
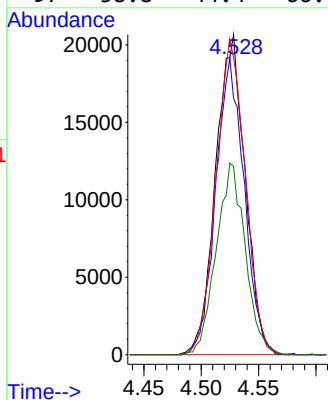
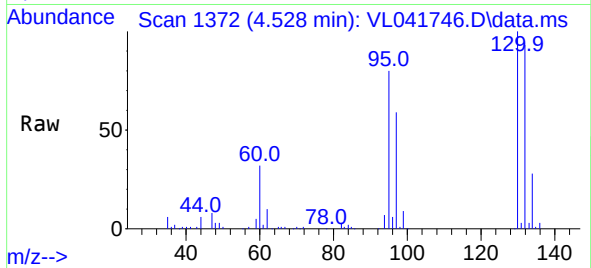




#38
Trichloroethene
Concen: 0.806 ppbv
RT: 4.528 min Scan# 11
Delta R.T. -0.033 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

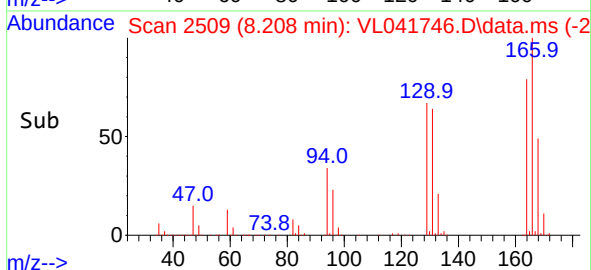
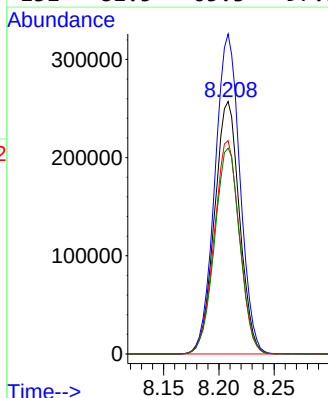
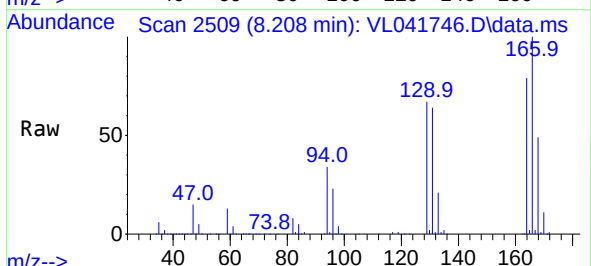
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

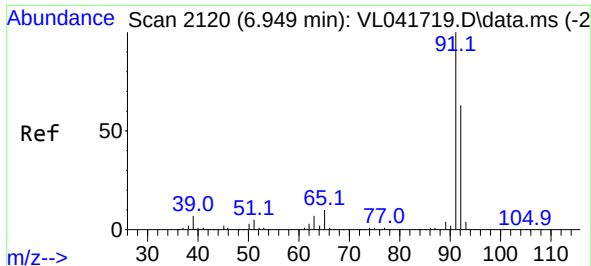
Tgt Ion:130 Resp: 36714
Ion Ratio Lower Upper
130 100
95 80.1 68.0 102.0
132 92.9 76.5 114.7
97 58.8 44.4 66.6



#52
Tetrachloroethene
Concen: 8.697 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.033 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion:164 Resp: 404762
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.0
129 84.5 67.6 101.4
131 81.5 65.3 97.9





#53

Toluene

Concen: 0.111 ppbv

RT: 6.910 min Scan# 2120

Delta R.T. -0.039 min

Lab File: VL041746.D

Acq: 12 Dec 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

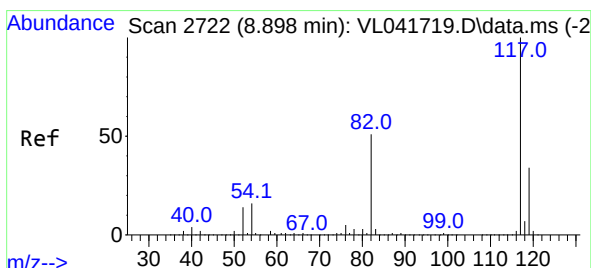
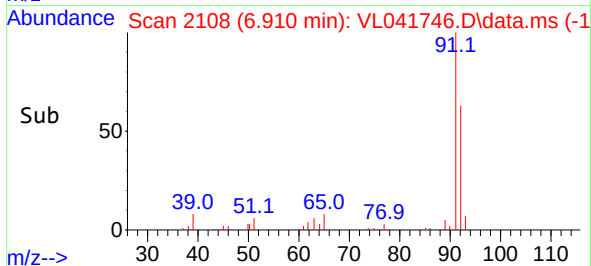
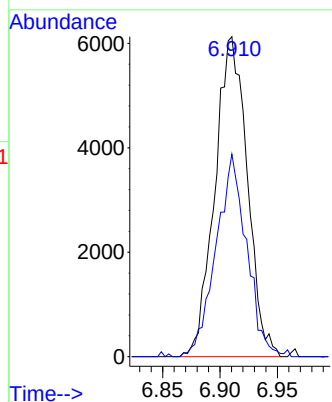
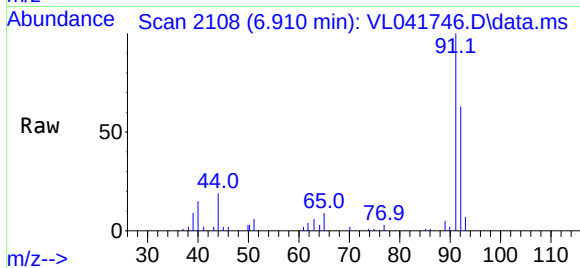
SV1DL

Tgt Ion: 91 Resp: 12027

Ion Ratio Lower Upper

91 100

92 60.1 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 2712

Delta R.T. -0.033 min

Lab File: VL041746.D

Acq: 12 Dec 2024 12:06

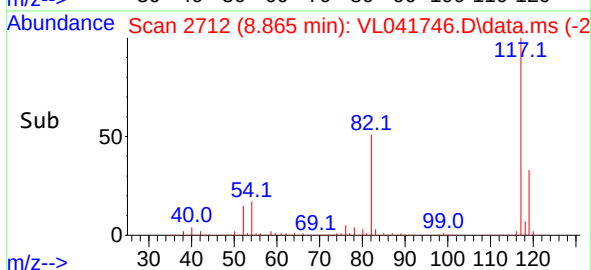
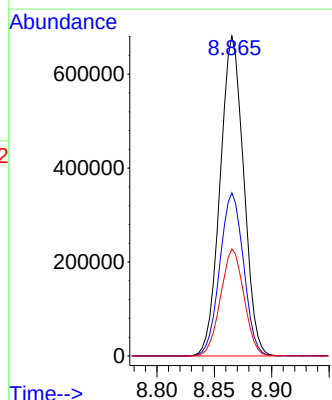
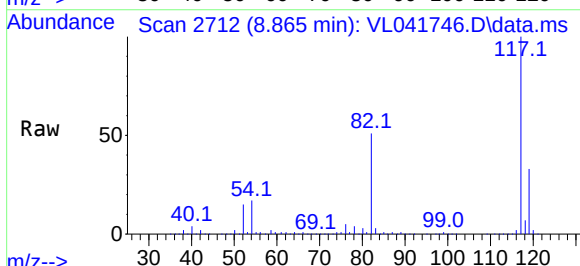
Tgt Ion: 117 Resp: 972026

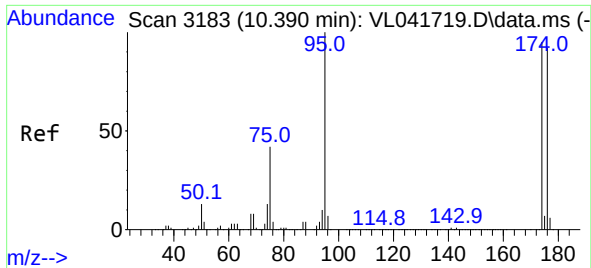
Ion Ratio Lower Upper

117 100

82 51.5 41.3 61.9

119 33.3 25.8 38.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.125 ppbv
 RT: 10.364 min Scan# 31
 Delta R.T. -0.026 min
 Lab File: VL041746.D
 Acq: 12 Dec 2024 12:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 646982

Ion	Ratio	Lower	Upper
95	100		
174	94.1	76.7	115.1
175	6.5	5.4	8.2

