

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 :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 14:23:34 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)

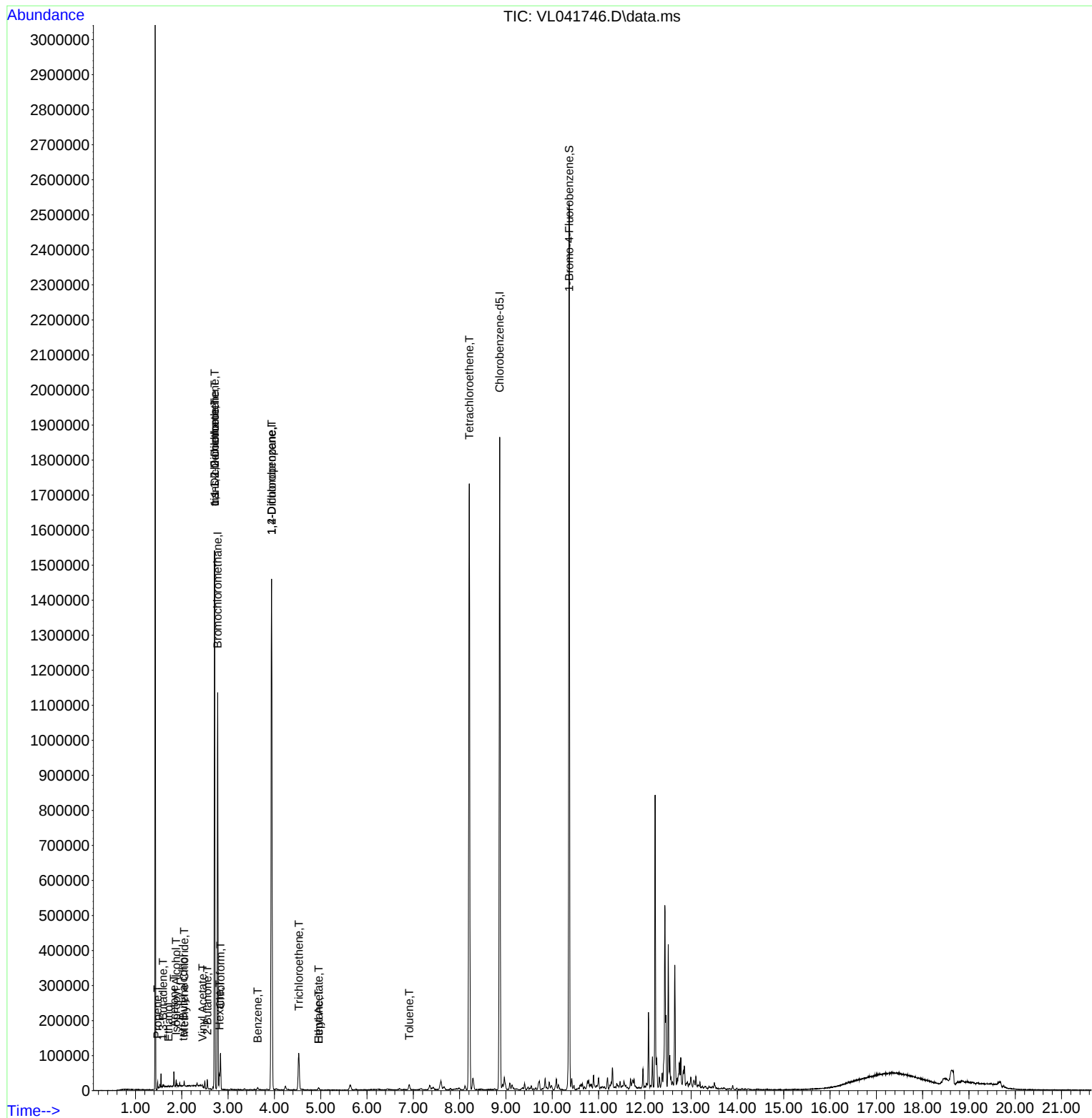
Internal Standards						
1) Bromochloromethane	2.774	49	239706	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.939	114	1117191	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.865	117	972026	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	646982	10.125	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
9) Propene	1.476	41	3438	0.247	ppbv	98
10) Heptane	4.955	43	2634	0.068	ppbv	89
13) Ethanol	1.712	45	711	0.618	ppbv #	52
15) Acetone	1.829	43	15718	0.568	ppbv #	66
16) 1,3-Butadiene	1.596	39	983	0.106	ppbv #	42
17) tert-Butyl alcohol	2.033	59	1361	0.034	ppbv #	42
19) Isopropyl Alcohol	1.877	45	8413	0.320	ppbv #	33
20) Methylene Chloride	2.052	84	2891	0.172	ppbv #	94
22) trans-1,2-Dichloroethene	2.709	96	399661	17.369	ppbv	96
23) Vinyl Acetate	2.447	43	576	0.034	ppbv #	1
24) 1,1-Dichloroethane	2.709	63	143552	4.606	ppbv #	1
25) Ethyl Acetate	4.955	43	2634	0.068	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
36) Benzene	3.638	78	4399	0.050	ppbv #	80
38) Trichloroethene	4.528	130	36714	0.806	ppbv	96
39) 1,2-Dichloropropane	3.939	63	185480	6.627	ppbv #	32
52) Tetrachloroethene	8.208	164	404762	8.697	ppbv	100
53) Toluene	6.910	91	12027	0.111	ppbv	97

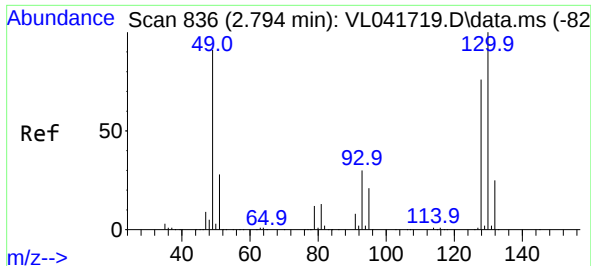
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :

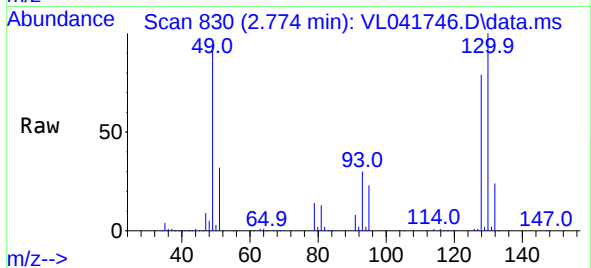
Quant Time: Dec 12 14:23:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration



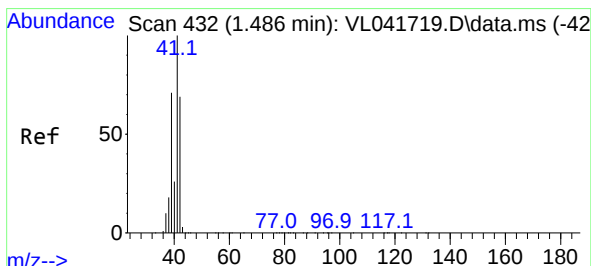
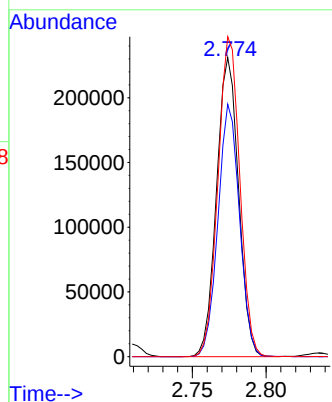


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.020 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Instrument :
MSVOA_L
ClientSampleId :

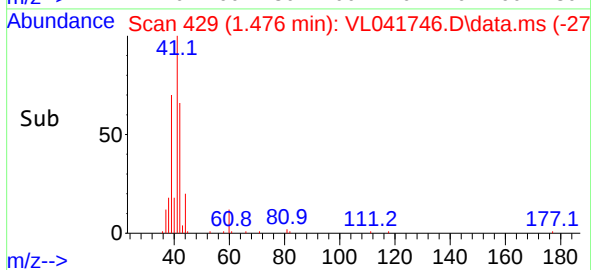
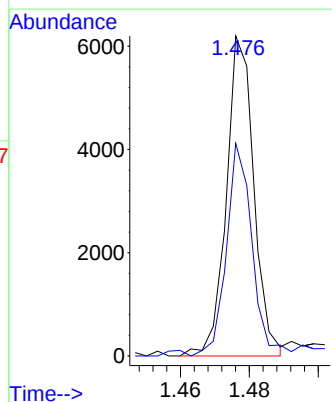
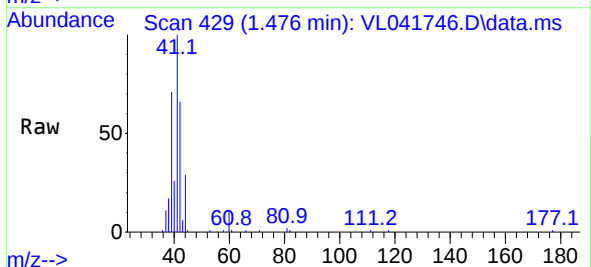


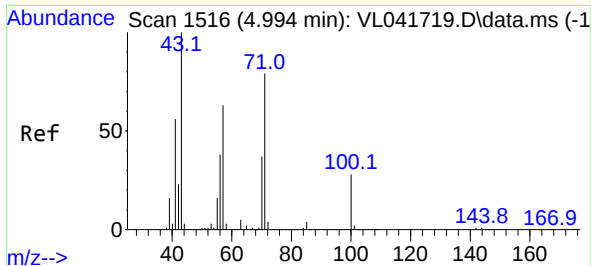
Tgt Ion: 49 Resp: 239706
Ion Ratio Lower Upper
49 100
128 82.6 42.8 128.3
130 106.4 55.8 167.4



#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

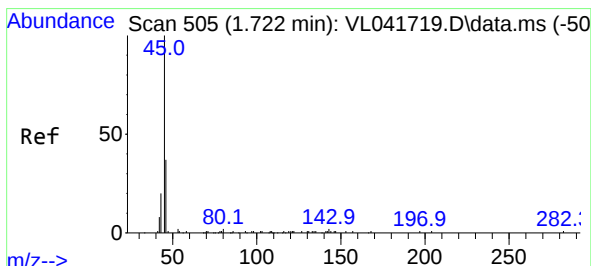
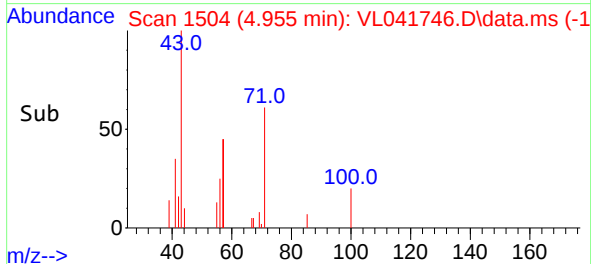
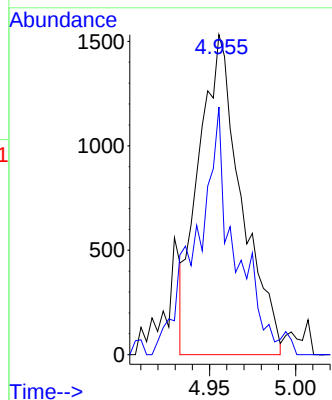
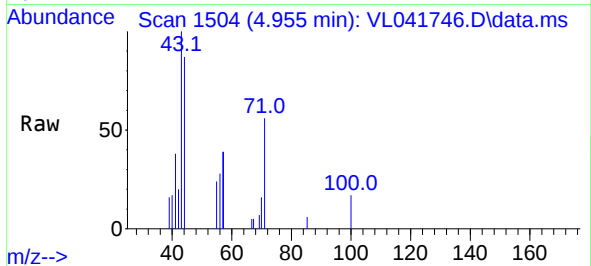




#10
Heptane
Concen: 0.068 ppbv
RT: 4.955 min Scan# 11
Delta R.T. -0.039 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

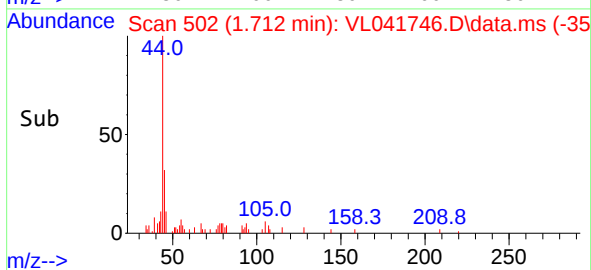
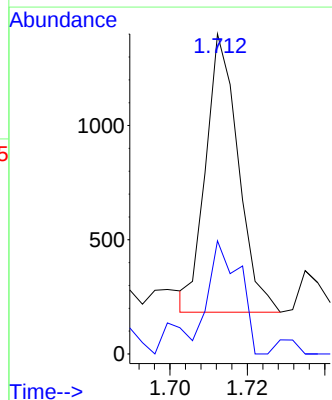
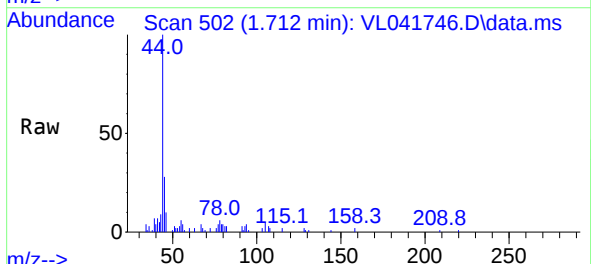
Instrument :
MSVOA_L
ClientSampleId :

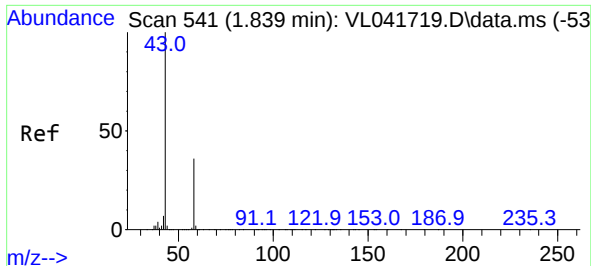
Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
57 71.8 50.5 75.7



#13
Ethanol
Concen: 0.618 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.010 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 45 Resp: 711
Ion Ratio Lower Upper
45 100
46 71.6 16.6 66.6#

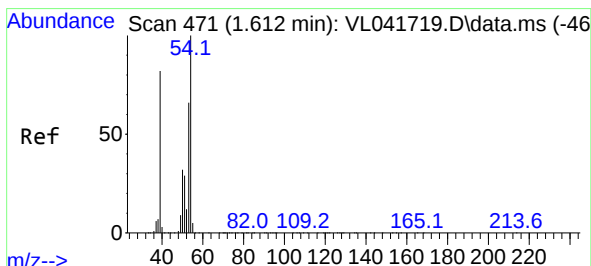
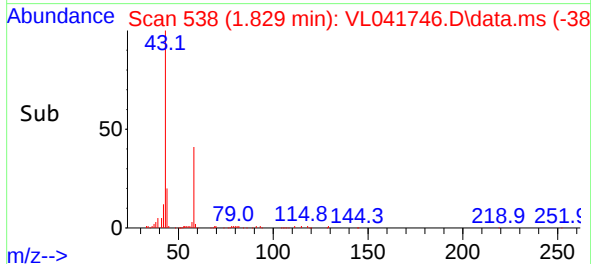
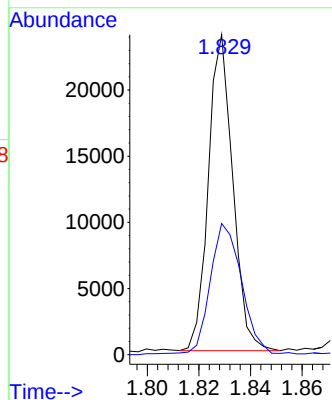
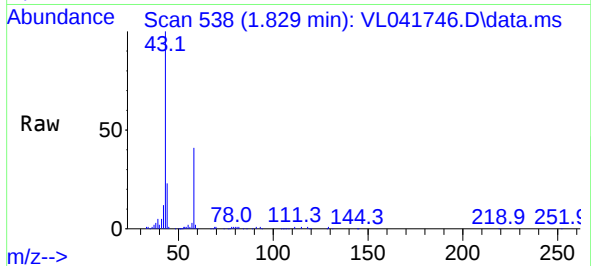




#15
Acetone
Concen: 0.568 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

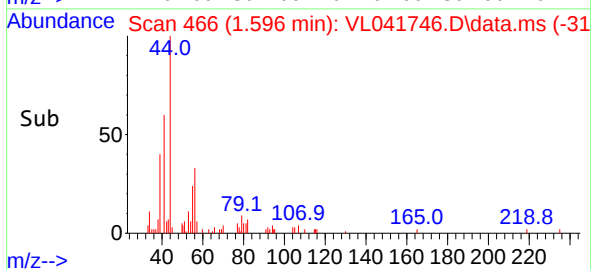
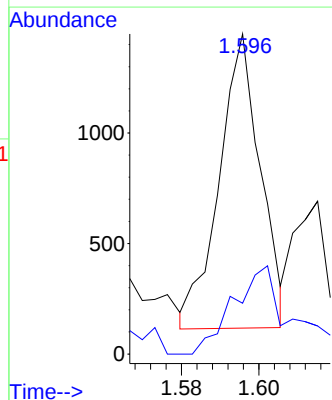
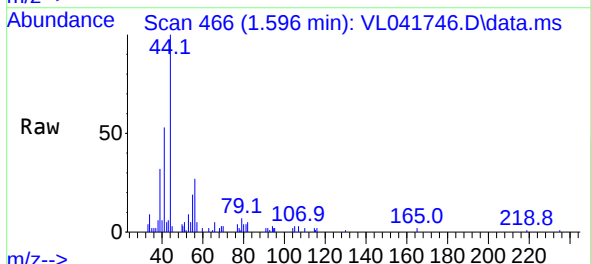
Instrument :
MSVOA_L
ClientSampleId :

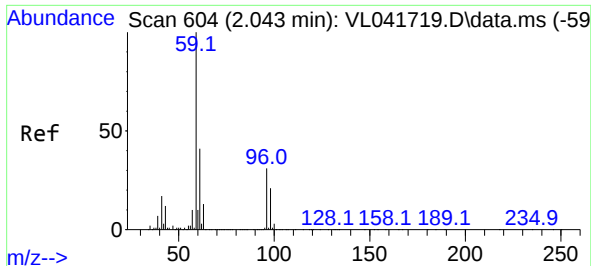
Tgt Ion: 43 Resp: 15718
Ion Ratio Lower Upper
43 100
58 56.2 28.9 43.3#



#16
1,3-Butadiene
Concen: 0.106 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.016 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 39 Resp: 983
Ion Ratio Lower Upper
39 100
54 46.1 85.0 127.6#

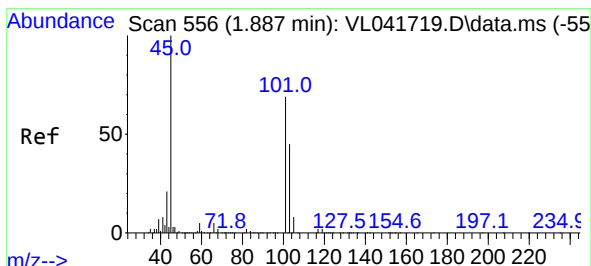
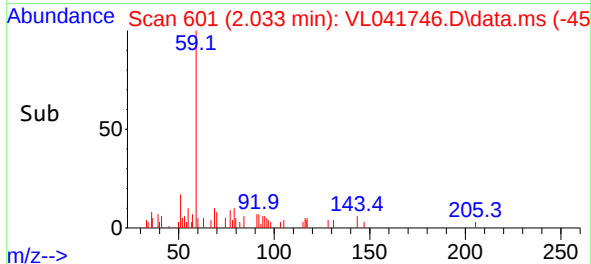
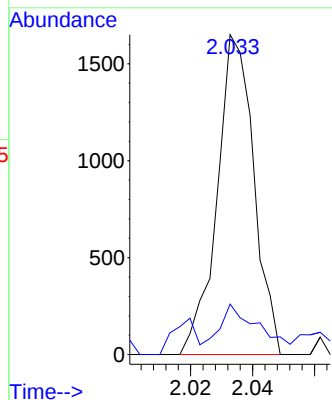
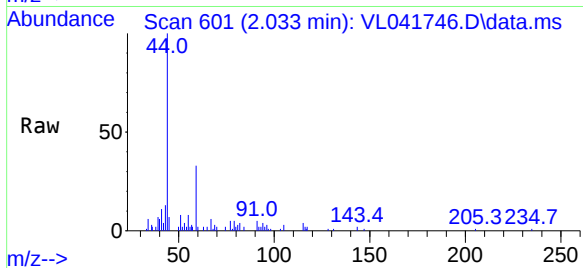




#17
tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 2.033 min Scan# 604
Delta R.T. -0.010 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

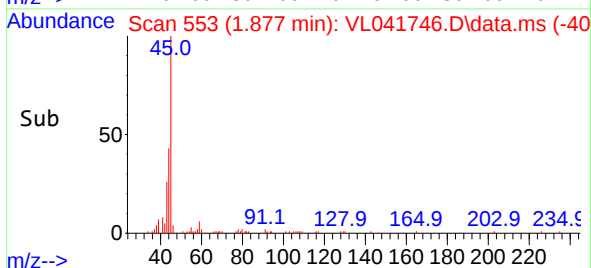
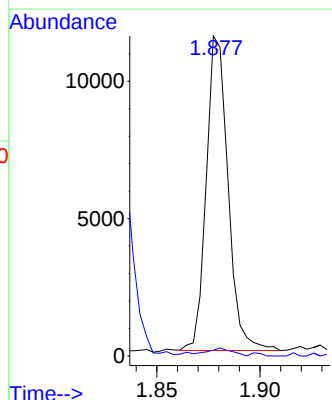
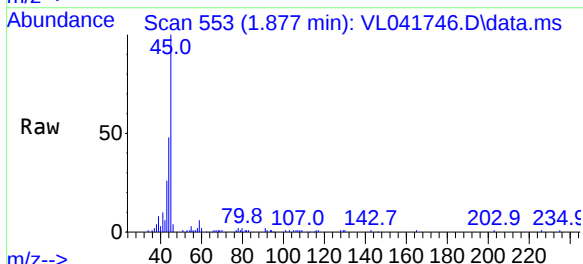
Instrument :
MSVOA_L
ClientSampleId :

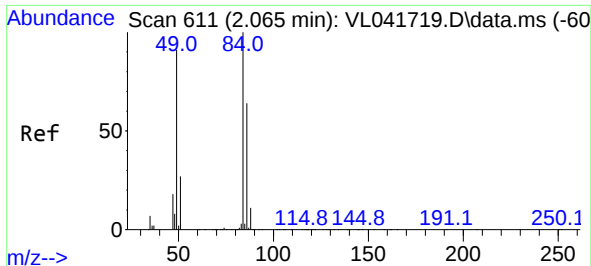
Tgt Ion: 59 Resp: 1361
Ion Ratio Lower Upper
59 100
57 31.8 8.2 12.4#



#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

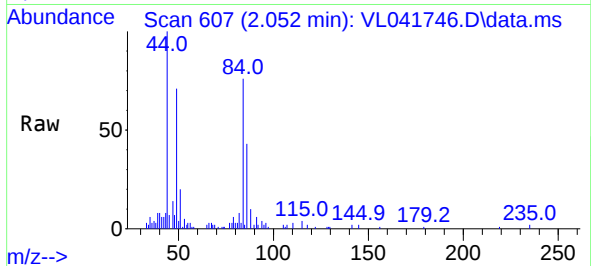
Tgt Ion: 45 Resp: 8413
Ion Ratio Lower Upper
45 100
58 4.0 40.6 61.0#





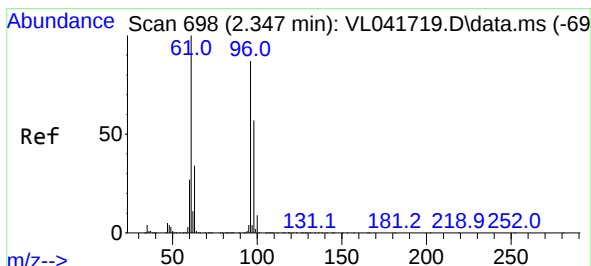
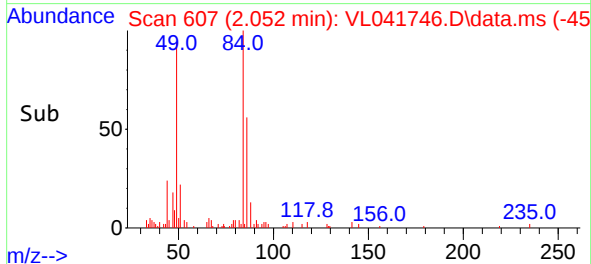
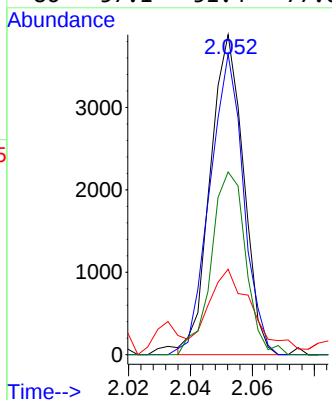
#20
Methylene Chloride
Concen: 0.172 ppbv
RT: 2.052 min Scan# 60
Delta R.T. -0.013 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 2891

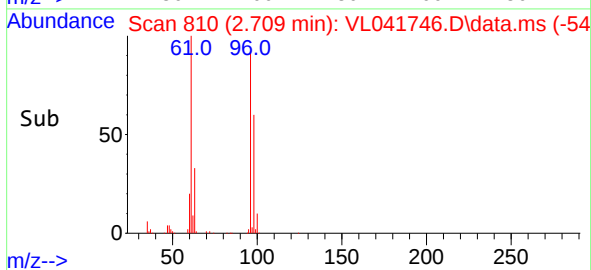
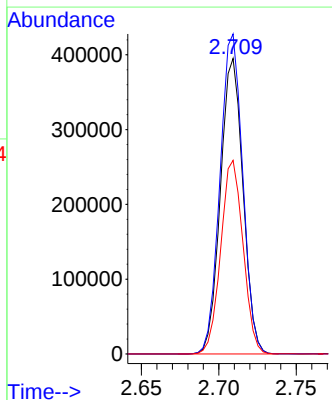
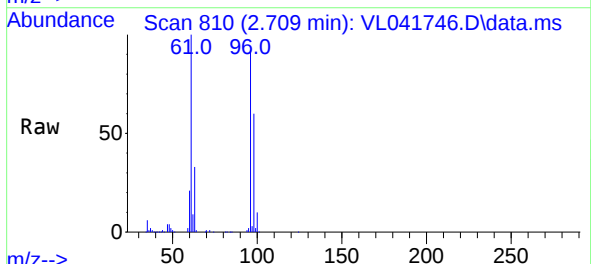
Ion	Ratio	Lower	Upper
84	100		
49	93.9	73.6	110.4
51	20.7	22.7	34.1#
86	57.1	51.4	77.0

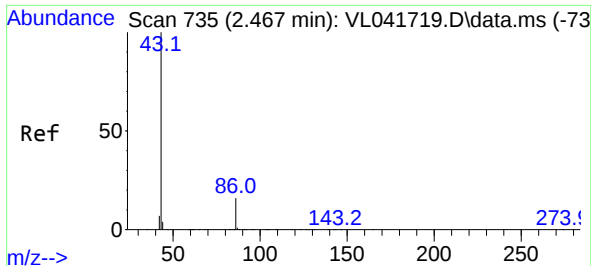


#22
trans-1,2-Dichloroethene
Concen: 17.369 ppbv
RT: 2.709 min Scan# 810
Delta R.T. 0.362 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 96 Resp: 399661

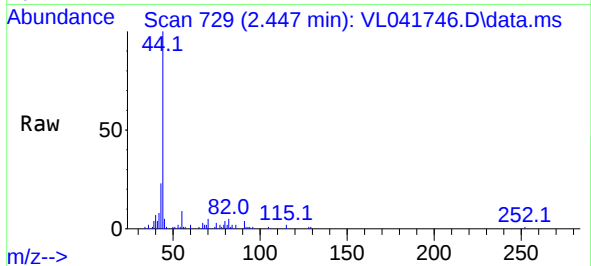
Ion	Ratio	Lower	Upper
96	100		
61	108.3	91.8	137.6
98	65.5	52.7	79.1



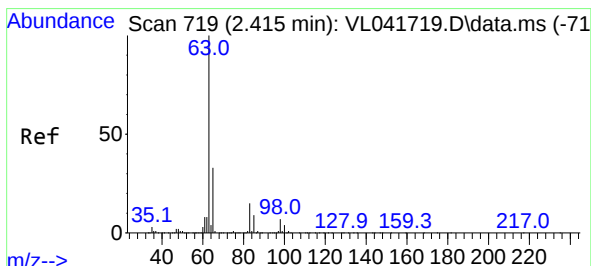
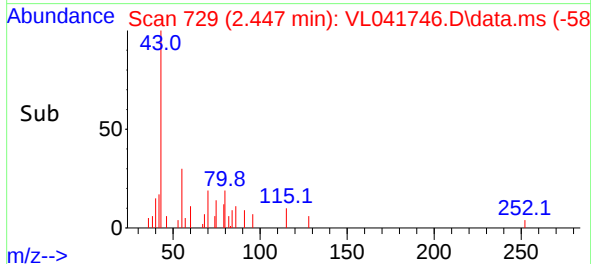
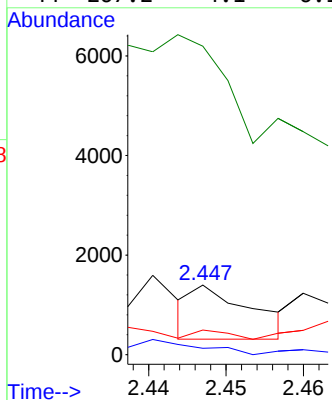


#23
 Vinyl Acetate
 Concen: 0.034 ppbv
 RT: 2.447 min Scan# 71
 Delta R.T. -0.020 min
 Lab File: VL041746.D
 Acq: 12 Dec 2024 12:06

Instrument :
 MSVOA_L
 ClientSampleId :

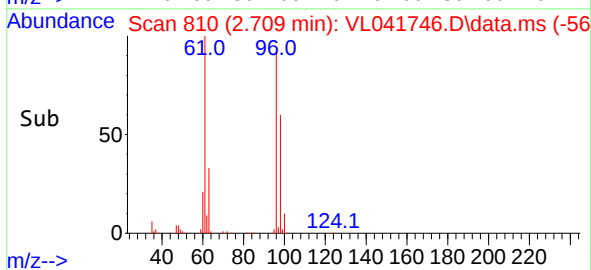
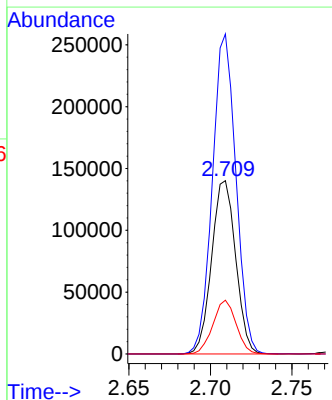
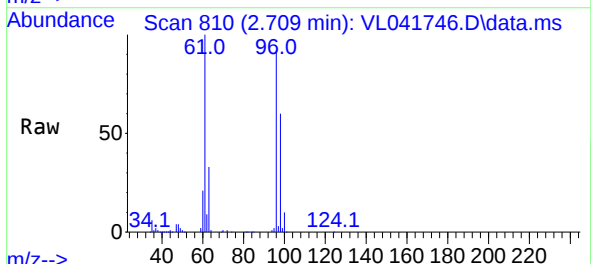


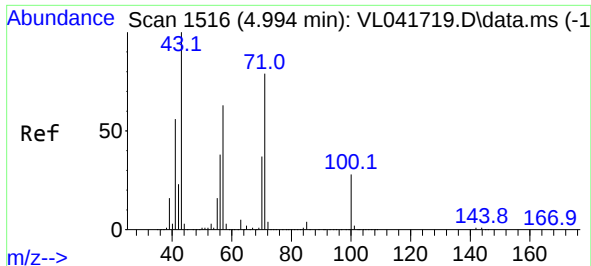
Tgt Ion: 43 Resp: 576
 Ion Ratio Lower Upper
 43 100
 86 10.3 11.5 17.3#
 42 30.6 6.6 10.0#
 44 267.2 4.1 6.1#



#24
 1,1-Dichloroethane
 Concen: 4.606 ppbv
 RT: 2.709 min Scan# 810
 Delta R.T. 0.294 min
 Lab File: VL041746.D
 Acq: 12 Dec 2024 12:06

Tgt Ion: 63 Resp: 143552
 Ion Ratio Lower Upper
 63 100
 98 184.7 3.6 10.8#
 100 31.0 2.3 6.8#



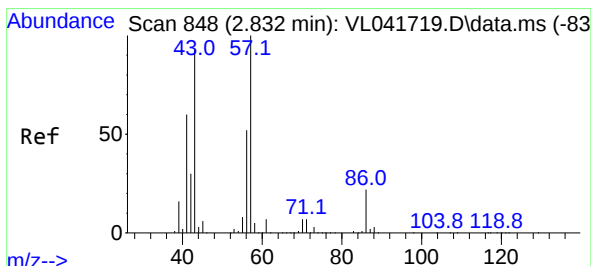
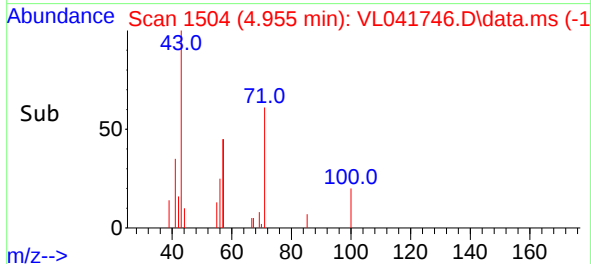
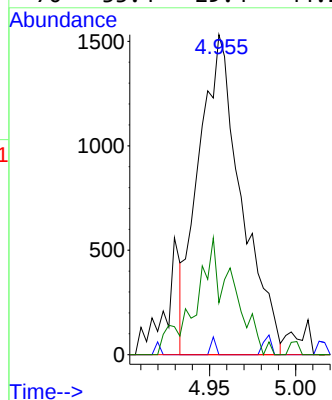
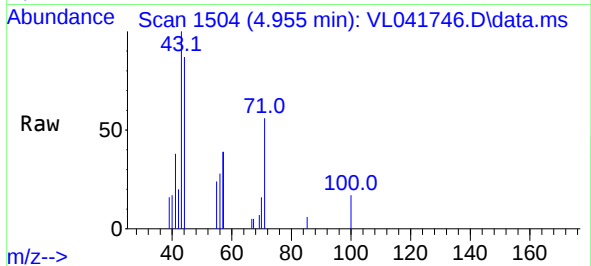


#25
Ethyl Acetate
Concen: 0.068 ppbv
RT: 4.955 min Scan# 11
Delta R.T. -0.039 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2634

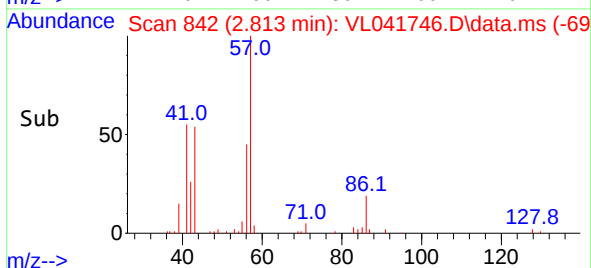
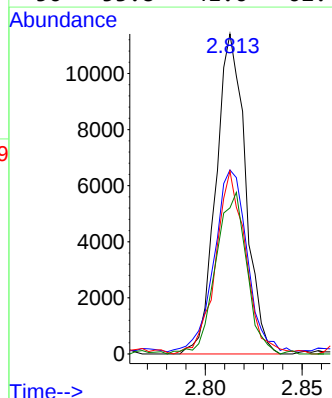
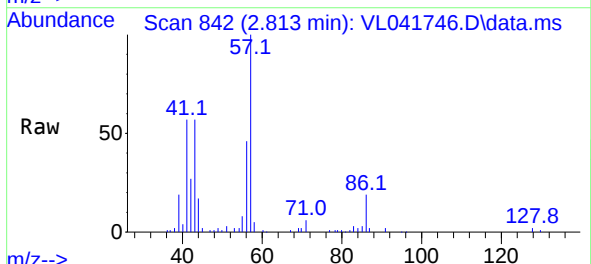
Ion	Ratio	Lower	Upper
43	100		
45	0.0	0.0	0.0
61	0.0	0.4	0.6#
70	33.4	29.4	44.2

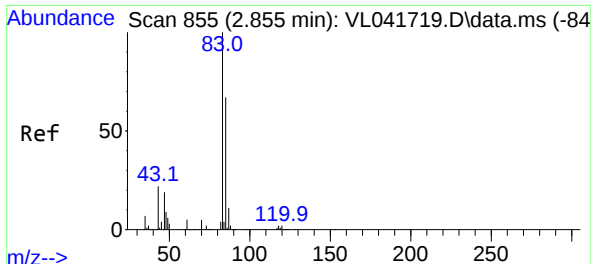


#26
Hexane
Concen: 0.324 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.020 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Tgt Ion: 57 Resp: 12095

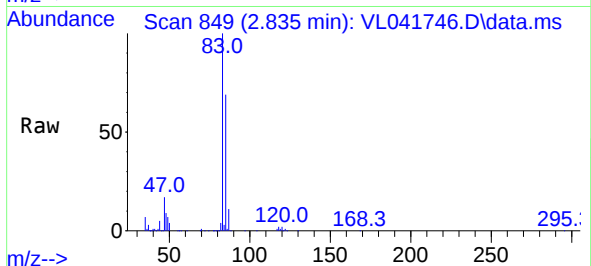
Ion	Ratio	Lower	Upper
57	100		
41	62.4	49.5	74.3
43	58.6	150.6	225.8#
56	53.8	41.6	62.4



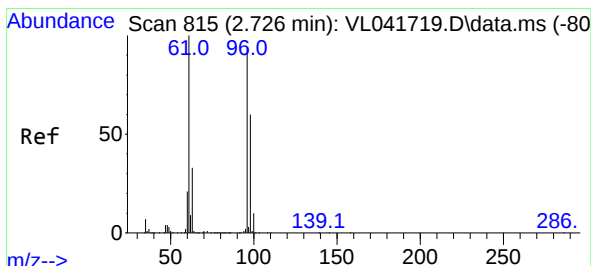
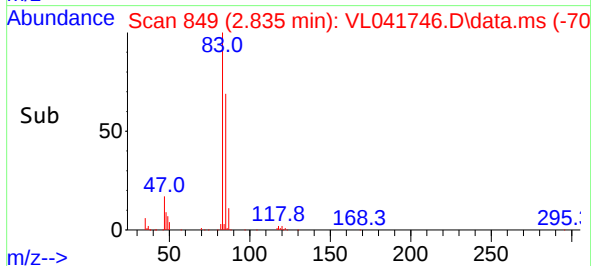
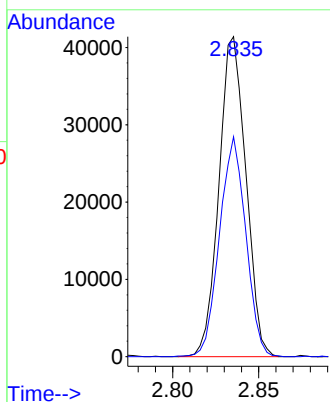


#29
Chloroform
Concen: 0.790 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.020 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

Instrument :
MSVOA_L
ClientSampleId :

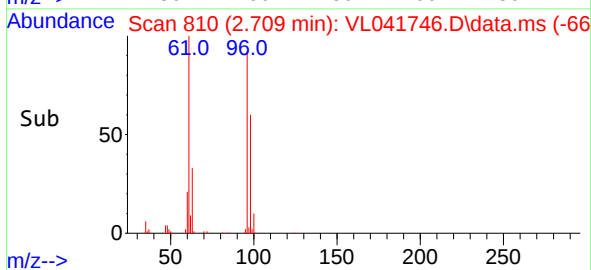
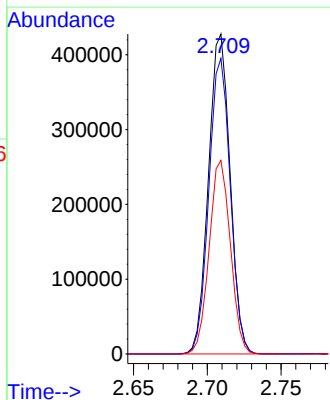
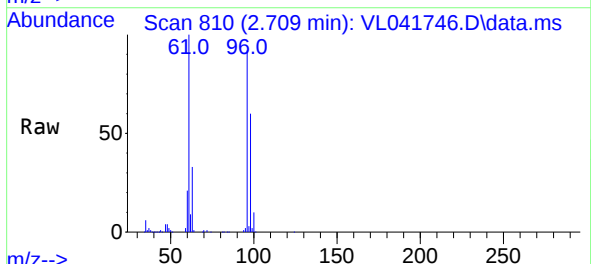


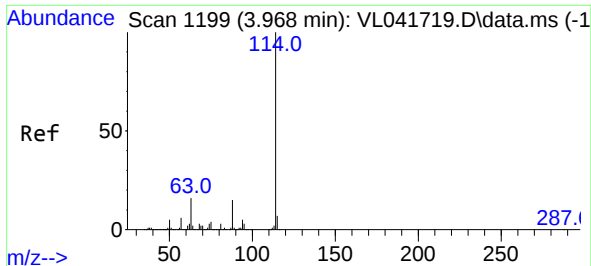
Tgt Ion: 83 Resp: 45096
Ion Ratio Lower Upper
83 100
85 68.5 53.6 80.4



#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# 11

Delta R.T. -0.029 min

Lab File: VL041746.D

Acq: 12 Dec 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

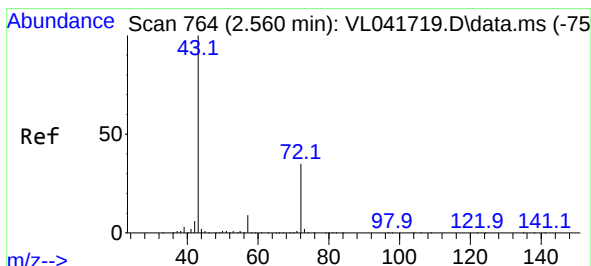
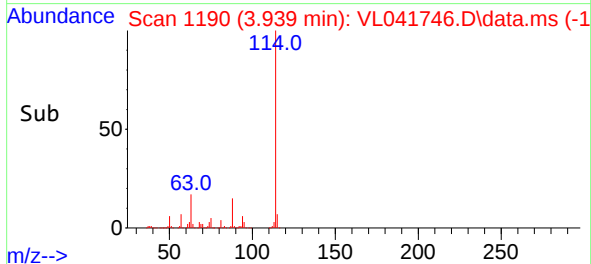
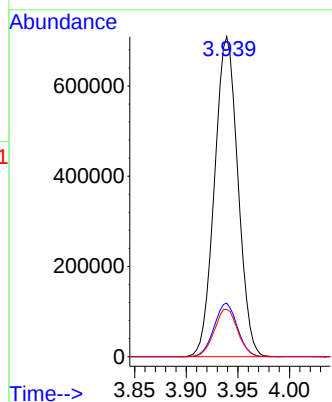
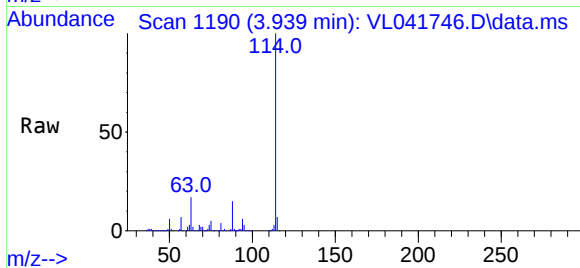
Tgt Ion:114 Resp: 1117191

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

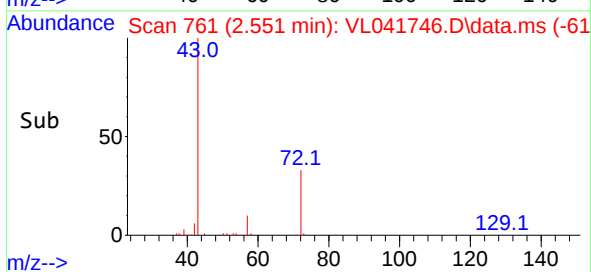
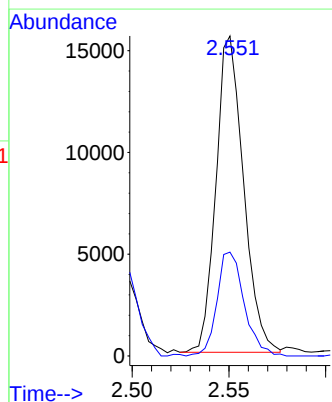
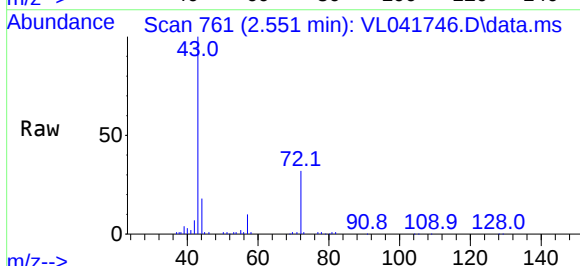
Acq: 12 Dec 2024 12:06

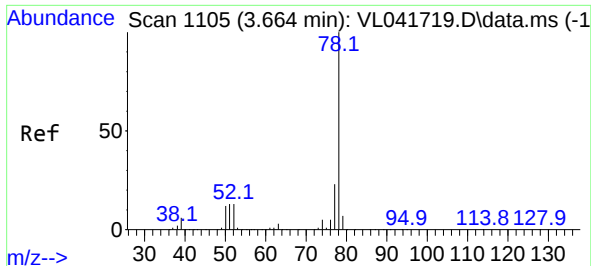
Tgt Ion: 43 Resp: 15355

Ion Ratio Lower Upper

43 100

72 32.5 28.3 42.5

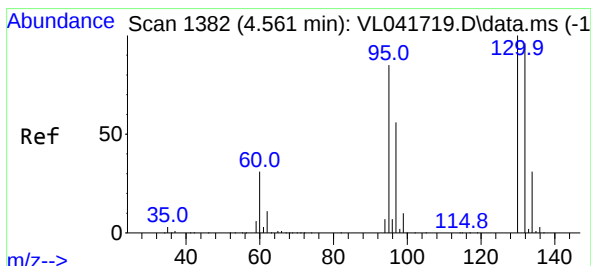
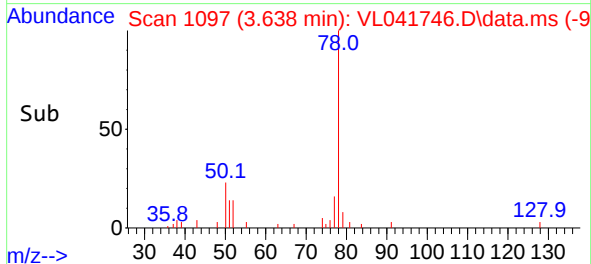
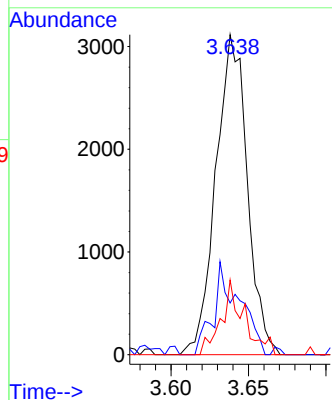
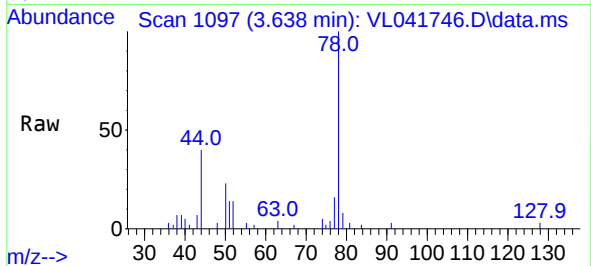




#36
Benzene
Concen: 0.050 ppbv
RT: 3.638 min Scan# 1097
Delta R.T. -0.026 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

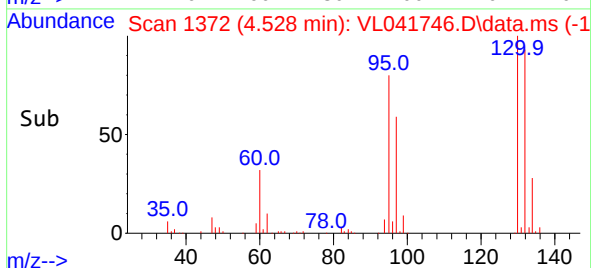
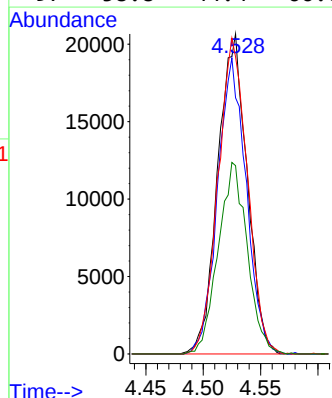
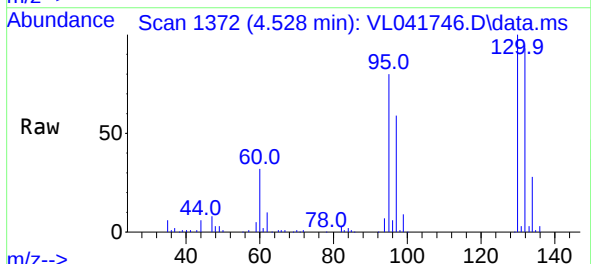
Instrument :
MSVOA_L
ClientSampleId :

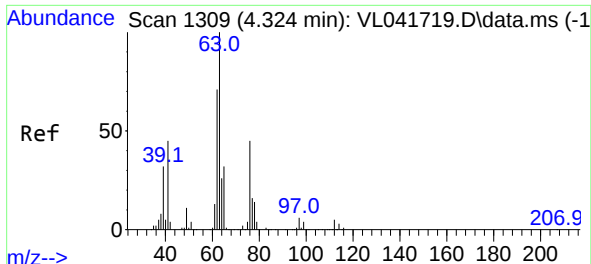
Tgt Ion: 78 Resp: 4399
Ion Ratio Lower Upper
78 100
77 16.2 18.6 27.8#
50 23.4 9.5 14.3#



#38
Trichloroethene
Concen: 0.806 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. -0.033 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

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





#39

1,2-Dichloropropane

Concen: 6.627 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. -0.385 min

Lab File: VL041746.D

Acq: 12 Dec 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

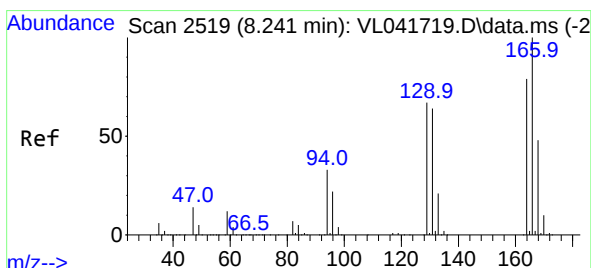
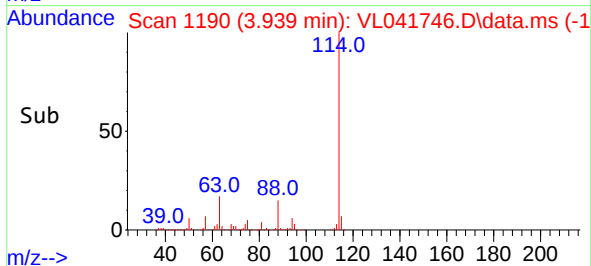
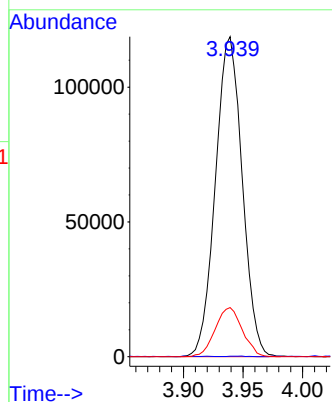
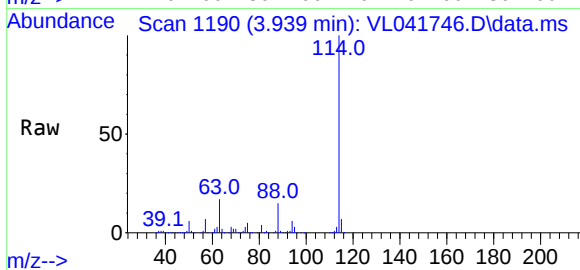
Tgt Ion: 63 Resp: 185480

Ion Ratio Lower Upper

63 100

41 0.1 36.4 54.6#

62 15.3 56.6 85.0#



#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

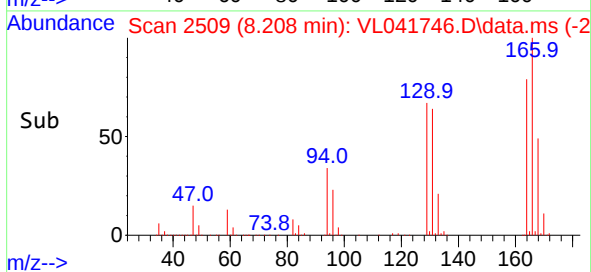
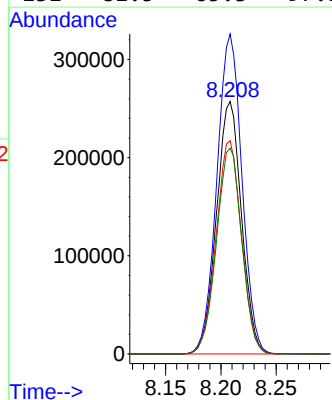
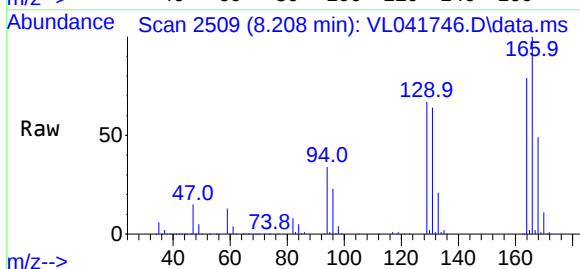
Ion Ratio Lower Upper

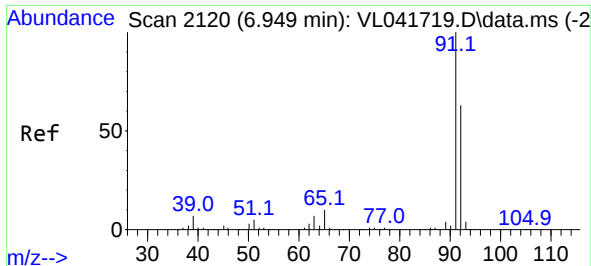
164 100

166 126.7 101.4 152.0

129 84.5 67.6 101.4

131 81.5 65.3 97.9

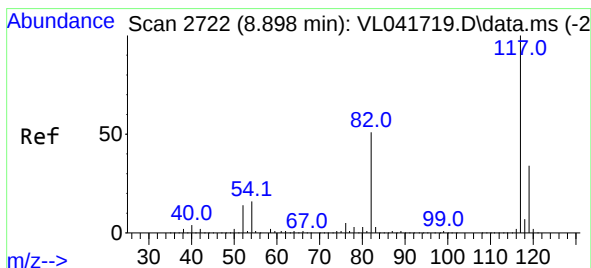
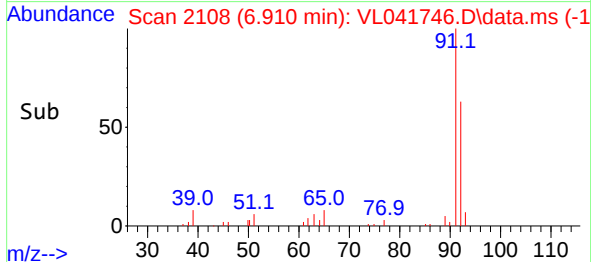
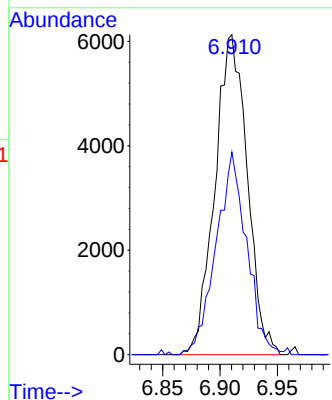
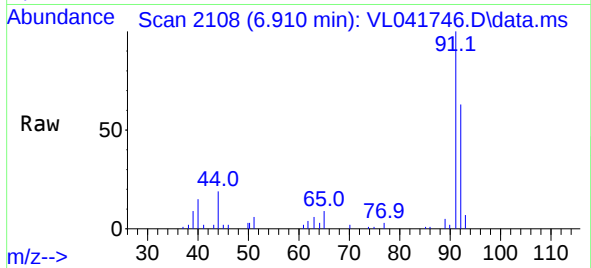




#53
Toluene
Concen: 0.111 ppbv
RT: 6.910 min Scan# 2120
Delta R.T. -0.039 min
Lab File: VL041746.D
Acq: 12 Dec 2024 12:06

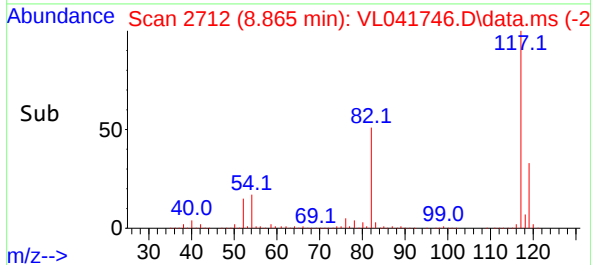
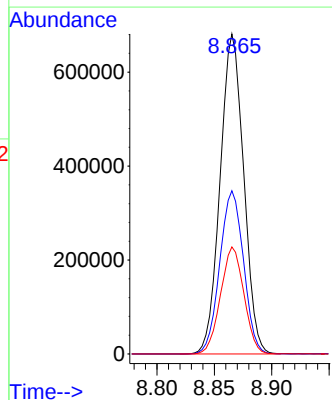
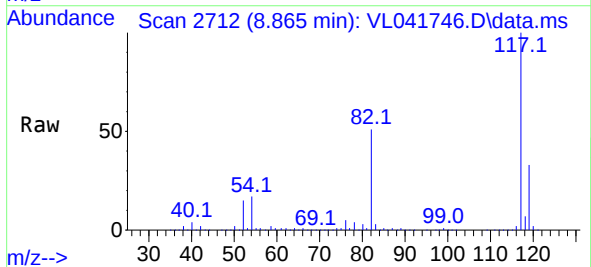
Instrument :
MSVOA_L
ClientSampleId :

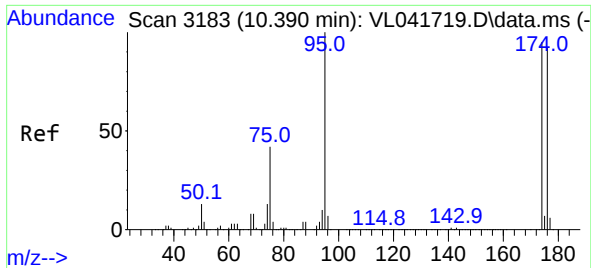
Tgt Ion: 91 Resp: 12027
Ion Ratio Lower Upper
91 100
92 60.1 49.7 74.5



#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

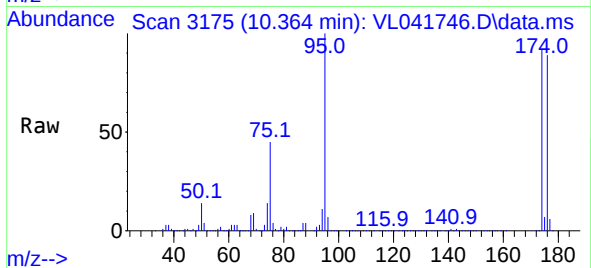
Tgt Ion: 117 Resp: 972026
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 33.3 25.8 38.8





#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 :



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

