

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040345.D
 Acq On : 12 Apr 2023 19:10
 Operator : SY/MD
 Sample : 02311-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Apr 13 05:40:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

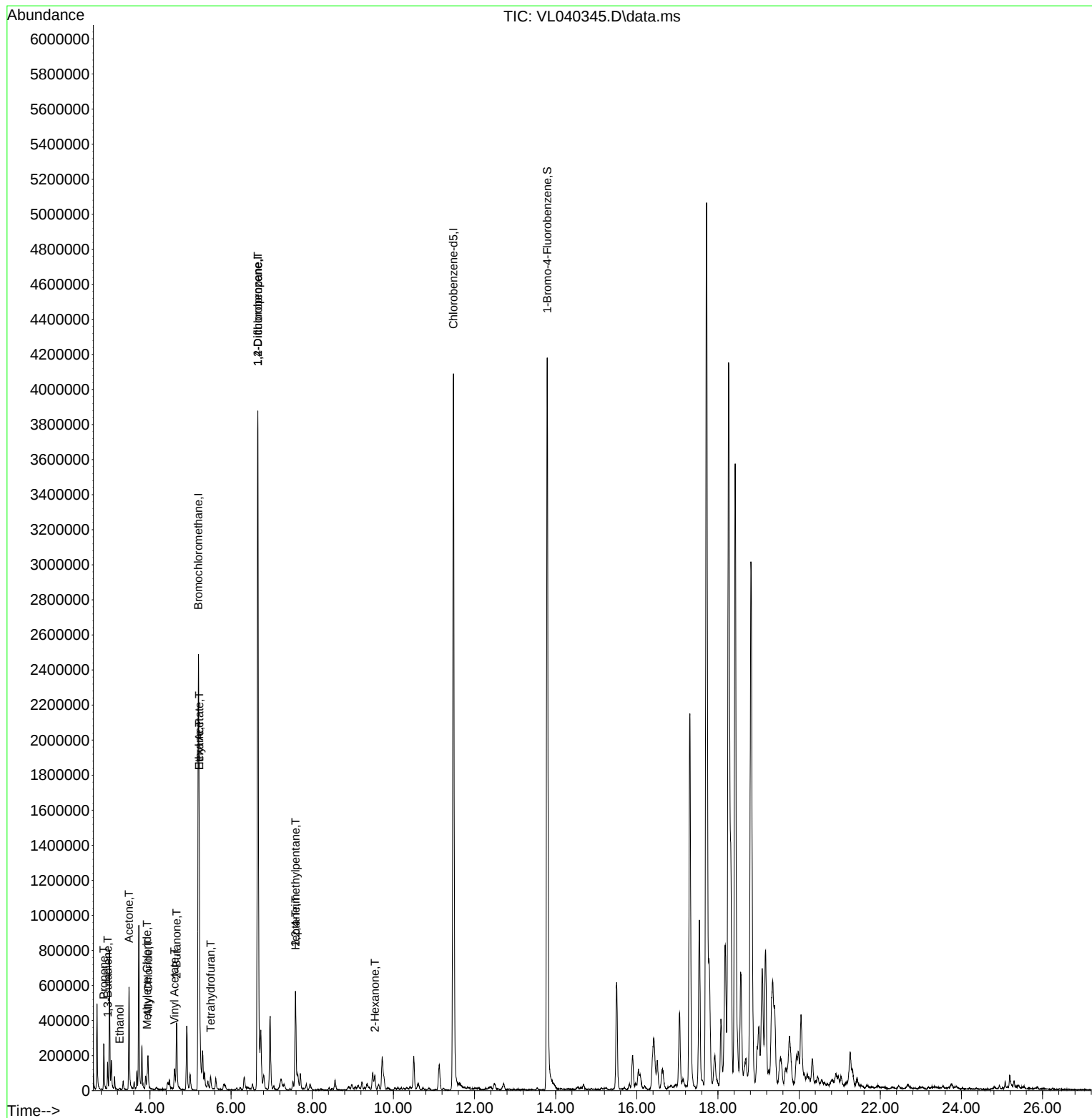
Internal Standards						
1) Bromochloromethane	5.195	49	1146915	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3008705	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2744053	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2132747	9.281	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.800%
Target Compounds						
					Qvalue	
9) Propene	2.861	41	74006	1.339	ppbv	95
10) Heptane	7.590	43	243566	1.833	ppbv	96
13) Ethanol	3.256	45	4271	1.054	ppbv #	37
15) Acetone	3.484	43	215543	1.544	ppbv #	66
16) 1,3-Butadiene	2.957	39	36868	0.581	ppbv #	12
20) Methylene Chloride	3.931	84	20036	0.341	ppbv #	87
21) Allyl Chloride	3.957	41	9661	0.107	ppbv #	18
23) Vinyl Acetate	4.603	43	26470	0.681	ppbv #	1
25) Ethyl Acetate	5.214	43	250193	0.957	ppbv #	75
26) Hexane	5.214	57	374232	3.488	ppbv #	35
34) 2-Butanone	4.655	43	184399	1.242	ppbv #	57
39) 1,2-Dichloropropane	6.658	63	729151	8.106	ppbv #	24
41) Tetrahydrofuran	5.497	42	3595	0.042	ppbv #	35
44) 2,2,4-Trimethylpentane	7.587	57	126895	0.332	ppbv #	1
51) 2-Hexanone	9.545	43	18117	0.102	ppbv #	30

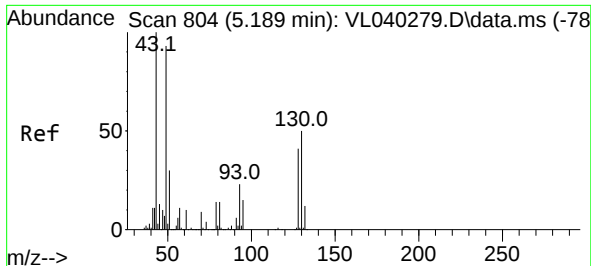
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration

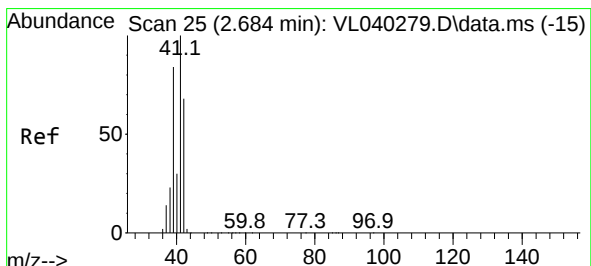
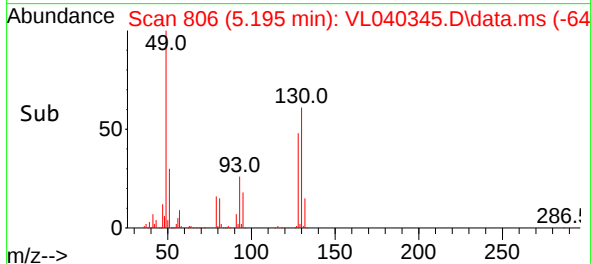
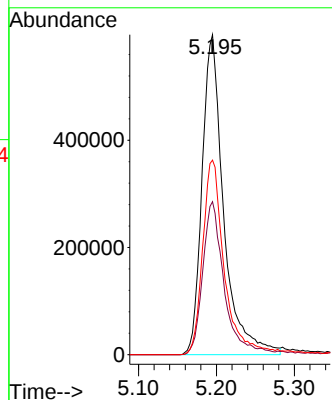
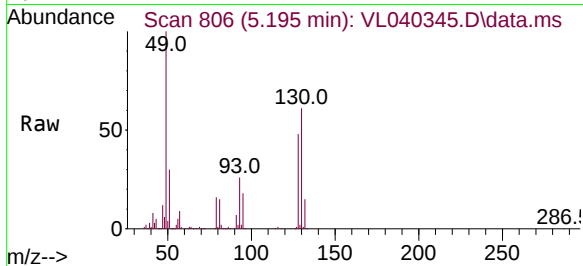




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

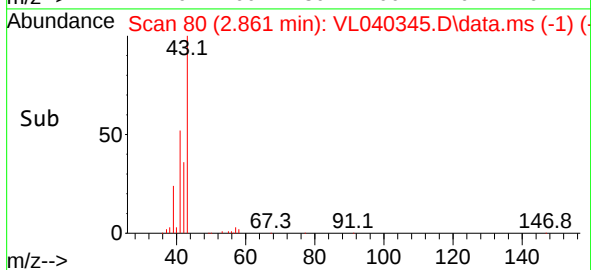
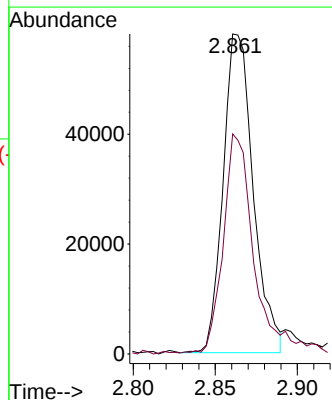
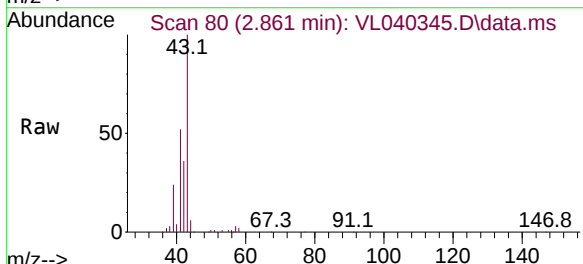
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

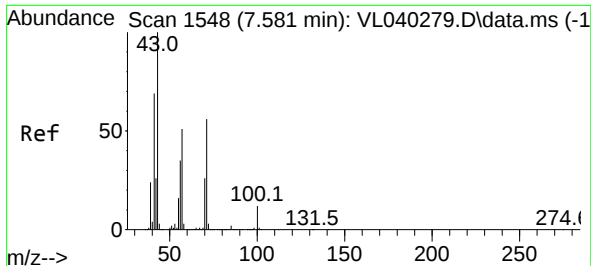
Tgt Ion: 49 Resp: 1146915
Ion Ratio Lower Upper
49 100
128 48.7 22.4 67.3
130 62.5 28.7 86.1



#9
Propene
Concen: 1.339 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.177 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

Tgt Ion: 41 Resp: 74006
Ion Ratio Lower Upper
41 100
42 69.1 59.0 88.4

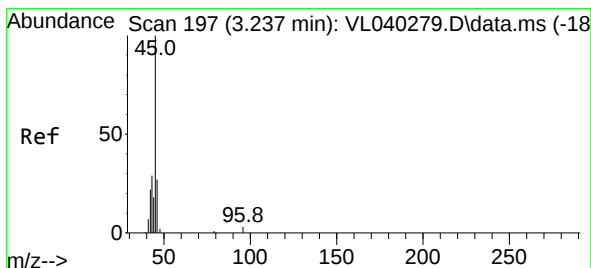
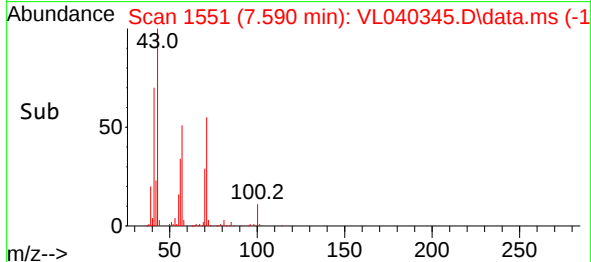
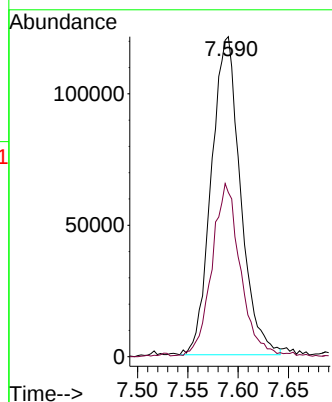
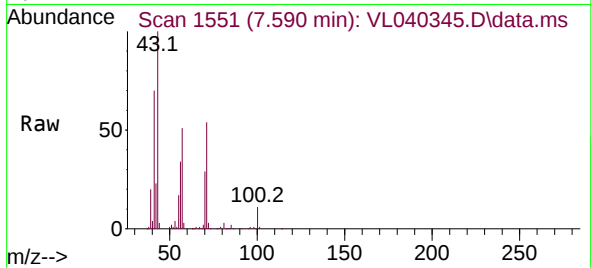




#10
Heptane
Concen: 1.833 ppbv
RT: 7.590 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

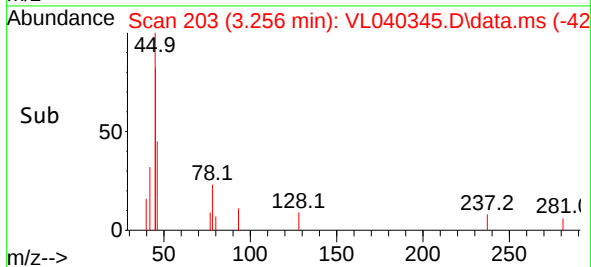
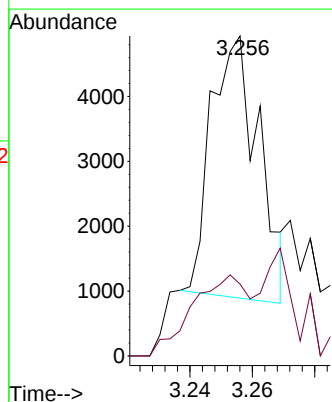
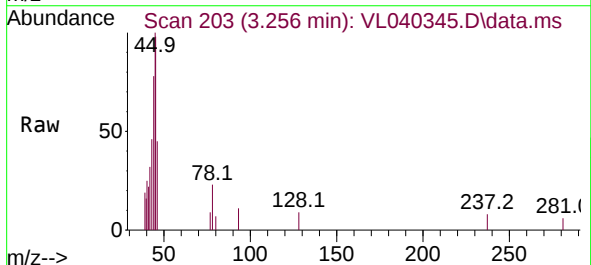
Instrument :
MSVOA_L
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SV1DL

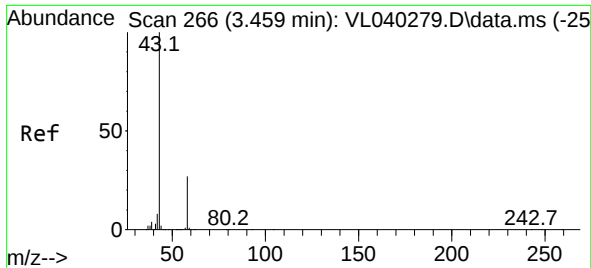
Tgt Ion: 43 Resp: 243566
Ion Ratio Lower Upper
43 100
57 54.8 41.7 62.5



#13
Ethanol
Concen: 1.054 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.019 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

Tgt Ion: 45 Resp: 4271
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2#





#15

Acetone

Concen: 1.544 ppbv

RT: 3.484 min Scan# 21

Delta R.T. 0.025 min

Lab File: VL040345.D

Acq: 12 Apr 2023 19:10

Instrument :

MSVOA_L

ClientSampleId :

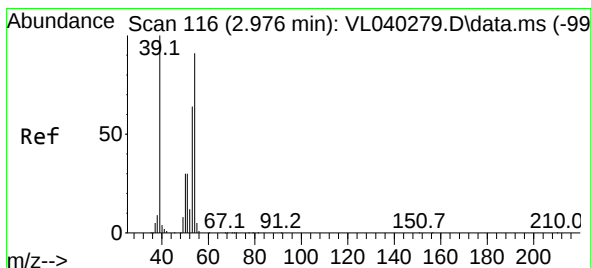
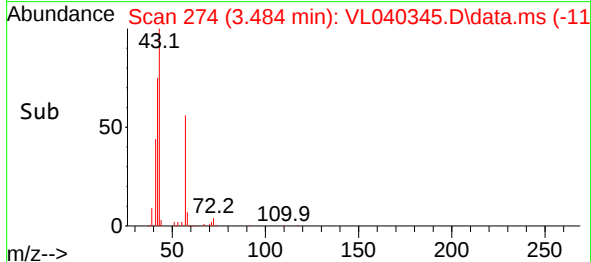
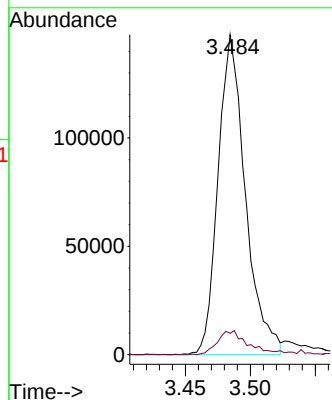
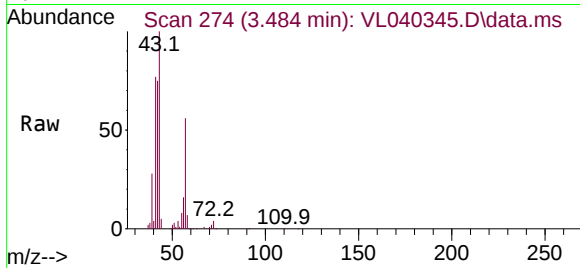
SV1DL

Tgt Ion: 43 Resp: 215543

Ion Ratio Lower Upper

43 100

58 9.4 21.8 32.8#



#16

1,3-Butadiene

Concen: 0.581 ppbv

RT: 2.957 min Scan# 110

Delta R.T. -0.019 min

Lab File: VL040345.D

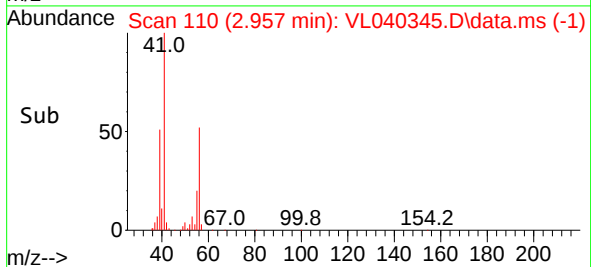
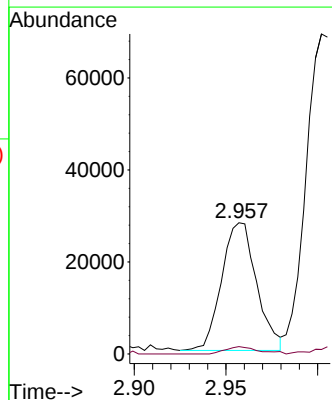
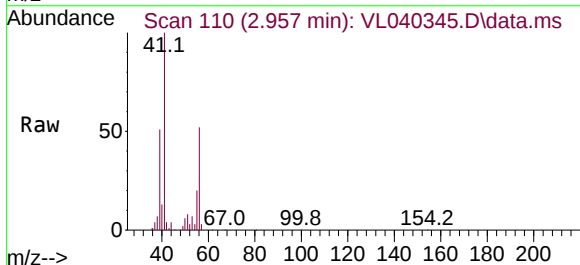
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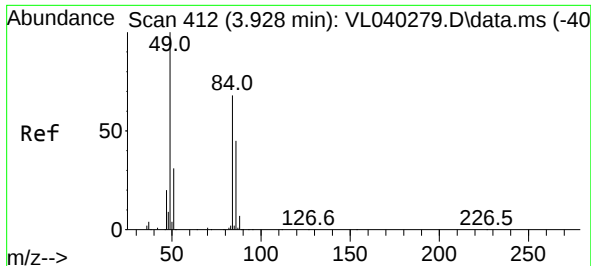
Tgt Ion: 39 Resp: 36868

Ion Ratio Lower Upper

39 100

54 5.3 68.4 102.6#

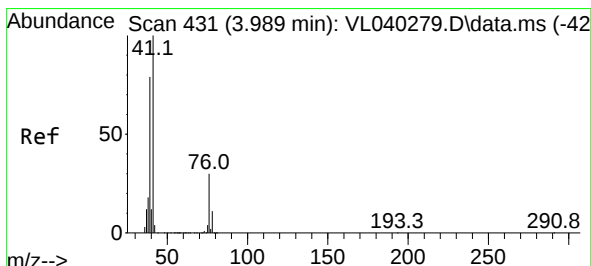
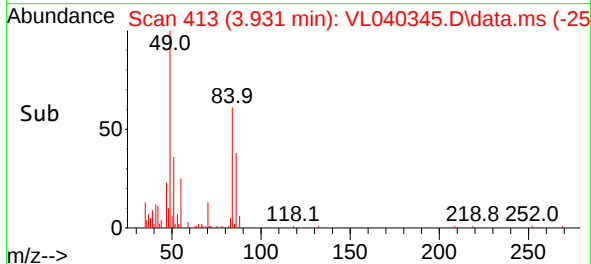
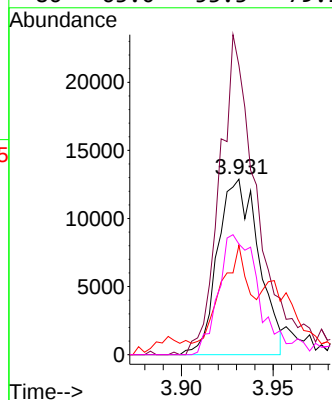
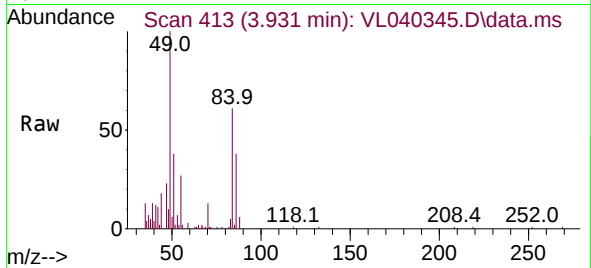




#20
Methylene Chloride
Concen: 0.341 ppbv
RT: 3.931 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

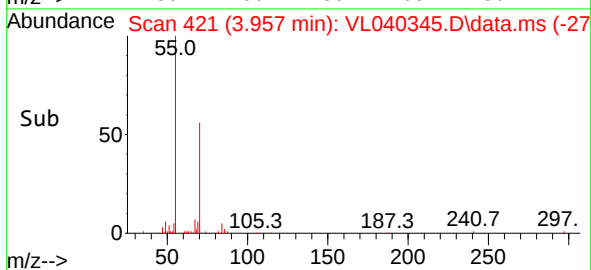
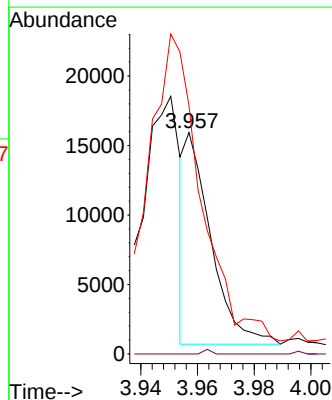
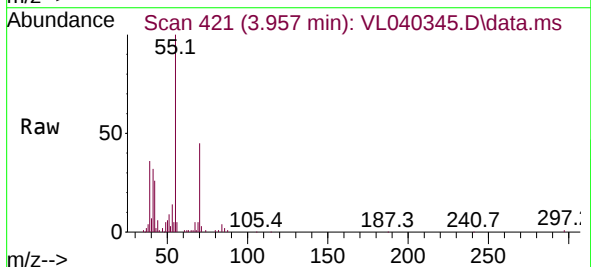
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

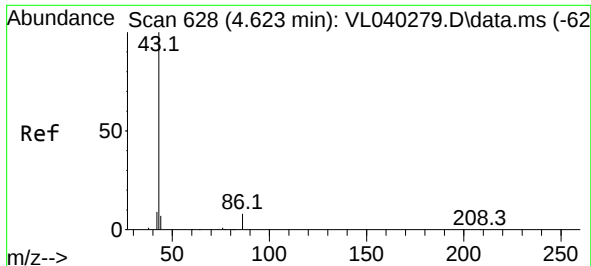
Tgt Ion: 84 Resp: 20036
Ion Ratio Lower Upper
84 100
49 164.8 117.5 176.3
51 58.9 36.9 55.3#
86 63.0 53.3 79.9



#21
Allyl Chloride
Concen: 0.107 ppbv
RT: 3.957 min Scan# 421
Delta R.T. -0.032 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

Tgt Ion: 41 Resp: 9661
Ion Ratio Lower Upper
41 100
76 0.4 25.4 38.0#
39 0.0 65.4 98.2#

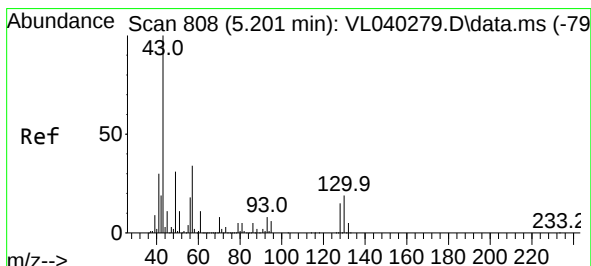
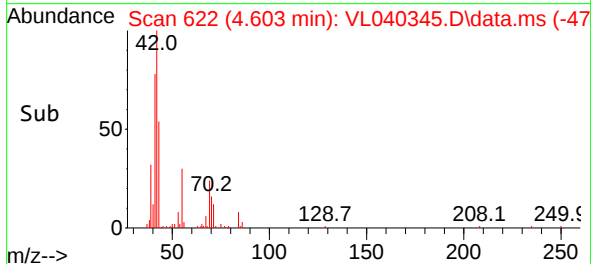
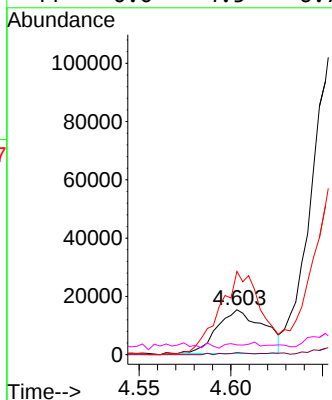
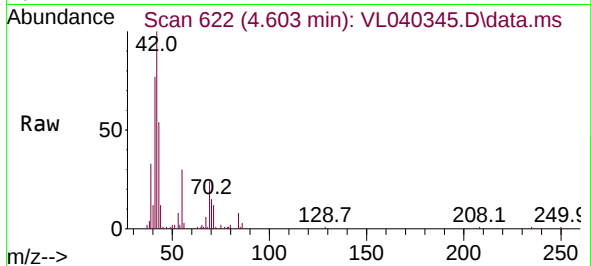




#23
 Vinyl Acetate
 Concen: 0.681 ppbv
 RT: 4.603 min Scan# 61
 Delta R.T. -0.020 min
 Lab File: VL040345.D
 Acq: 12 Apr 2023 19:10

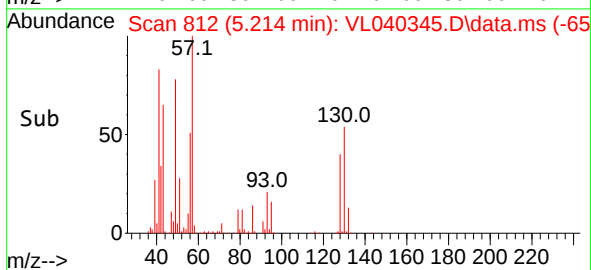
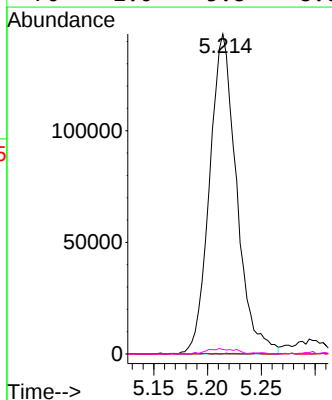
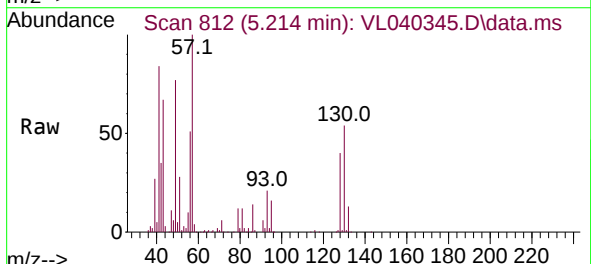
Instrument :
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 SV1DL

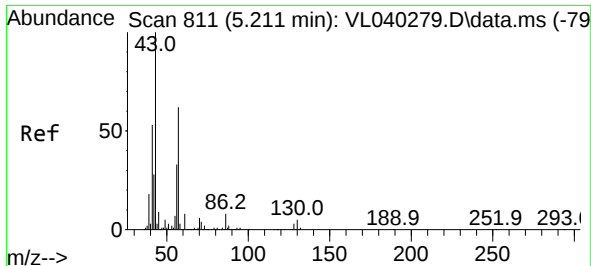
Tgt Ion:	43	Resp:	26470
Ion	Ratio	Lower	Upper
43	100		
86	4.8	5.0	7.4#
42	186.0	9.1	13.7#
44	0.0	4.5	6.7#



#25
 Ethyl Acetate
 Concen: 0.957 ppbv
 RT: 5.214 min Scan# 812
 Delta R.T. 0.013 min
 Lab File: VL040345.D
 Acq: 12 Apr 2023 19:10

Tgt Ion:	43	Resp:	250193
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.6	12.8#
61	0.0	8.4	12.6#
70	2.0	5.8	8.6#

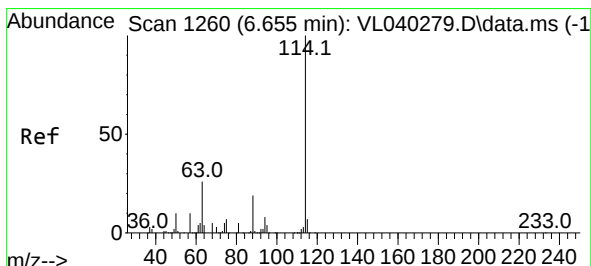
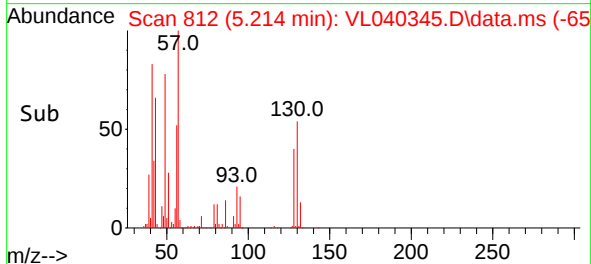
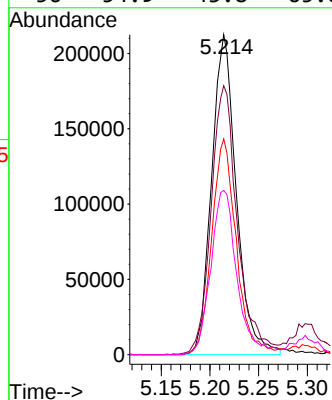
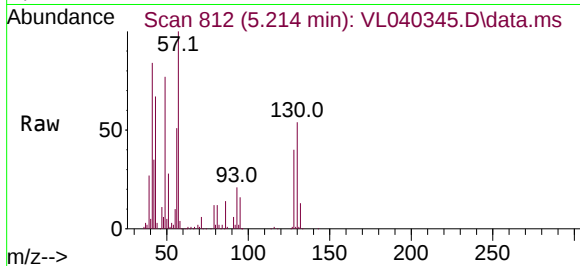




#26
Hexane
Concen: 3.488 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

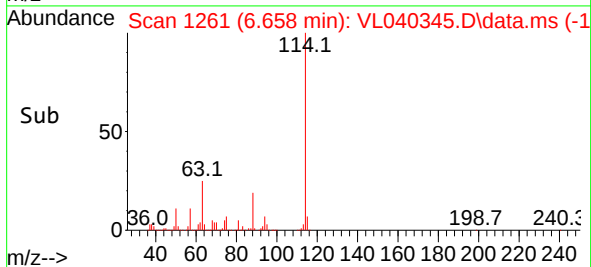
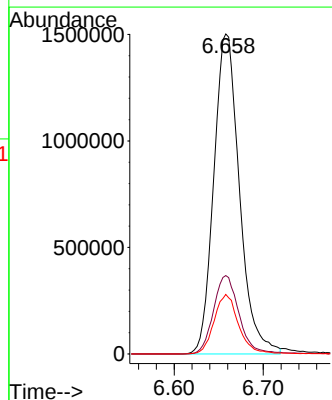
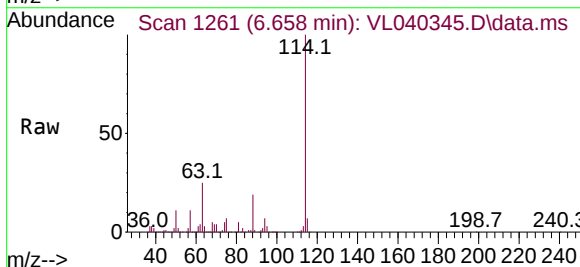
Instrument :
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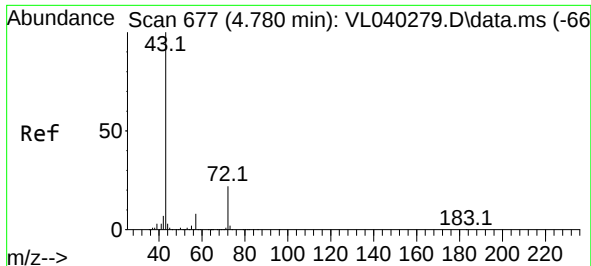
Tgt Ion: 57 Resp: 374232
Ion Ratio Lower Upper
57 100
41 89.6 73.5 110.3
43 66.9 196.3 294.5#
56 54.9 43.8 65.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

Tgt Ion: 114 Resp: 3008705
Ion Ratio Lower Upper
114 100
63 24.7 21.2 31.8
88 18.0 14.5 21.7

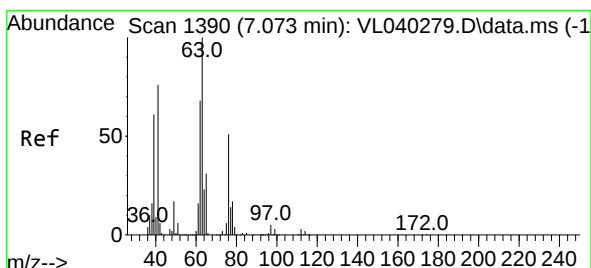
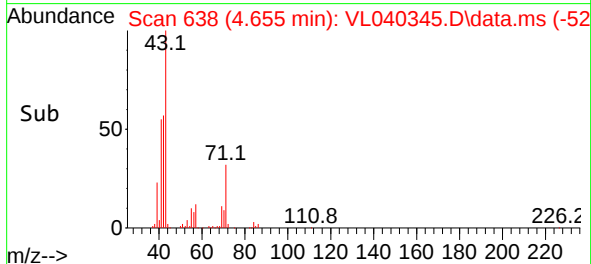
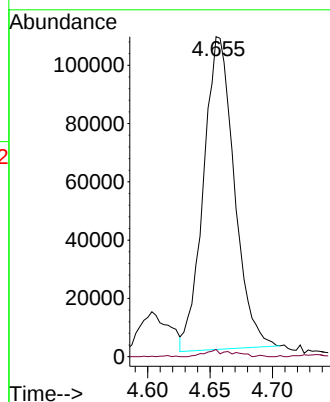
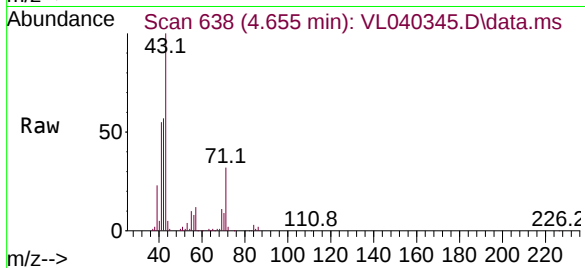




#34
2-Butanone
Concen: 1.242 ppbv
RT: 4.655 min Scan# 61
Delta R.T. -0.125 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

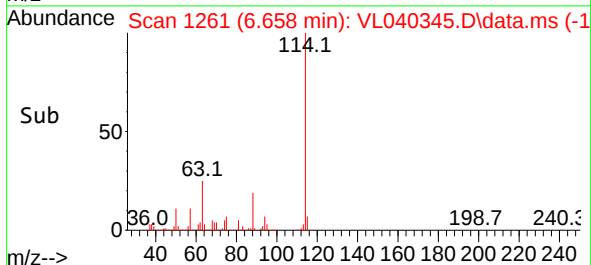
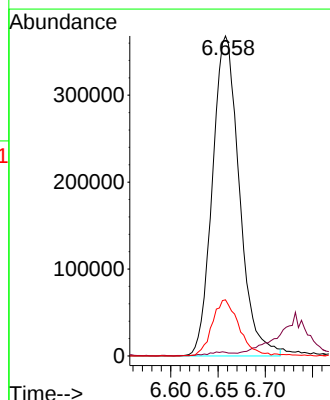
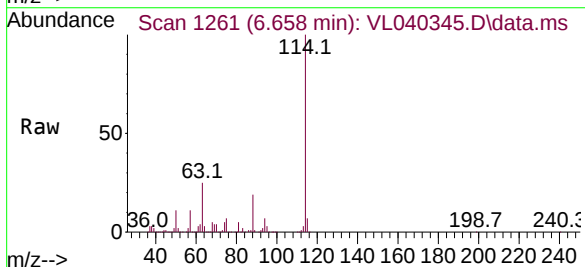
Instrument :
MSVOA_L
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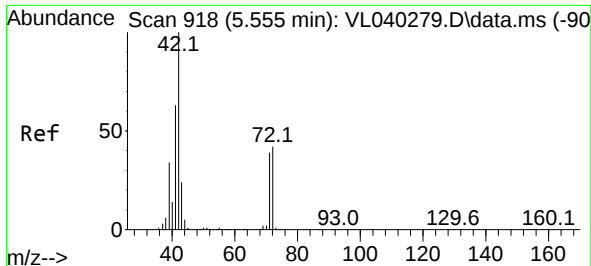
Tgt Ion: 43 Resp: 184399
Ion Ratio Lower Upper
43 100
72 2.2 18.3 27.5#



#39
1,2-Dichloropropane
Concen: 8.106 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.415 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

Tgt Ion: 63 Resp: 729151
Ion Ratio Lower Upper
63 100
41 1.0 60.8 91.2#
62 17.6 54.1 81.1#





#41

Tetrahydrofuran

Concen: 0.042 ppbv

RT: 5.497 min Scan# 90

Delta R.T. -0.058 min

Lab File: VL040345.D

Acq: 12 Apr 2023 19:10

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

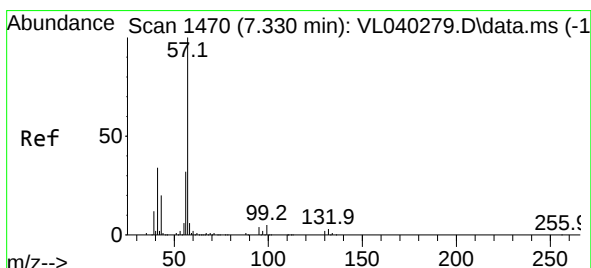
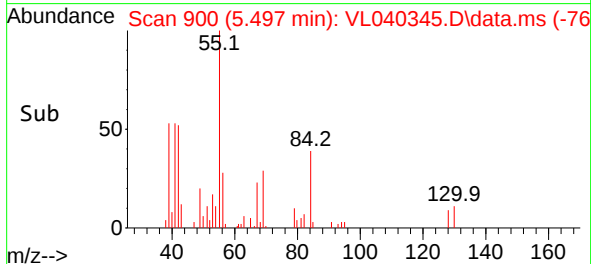
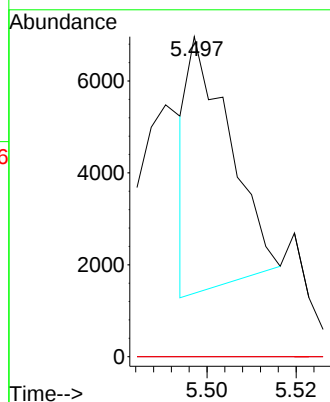
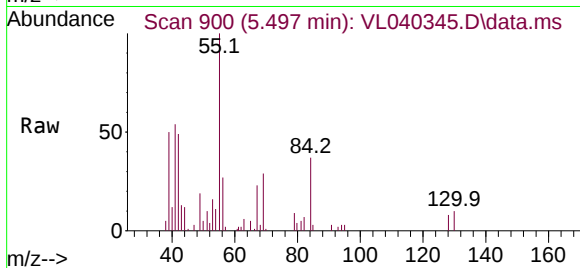
Tgt Ion: 42 Resp: 3595

Ion Ratio Lower Upper

42 100

72 0.0 32.6 49.0#

71 0.0 31.0 46.4#



#44

2,2,4-Trimethylpentane

Concen: 0.332 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.257 min

Lab File: VL040345.D

Acq: 12 Apr 2023 19:10

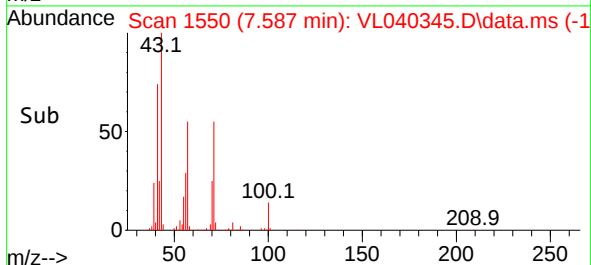
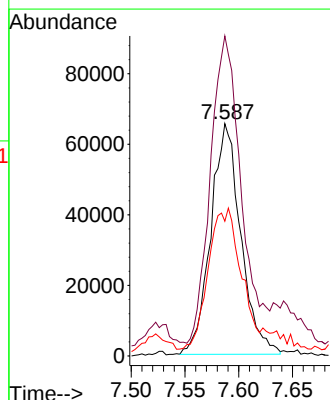
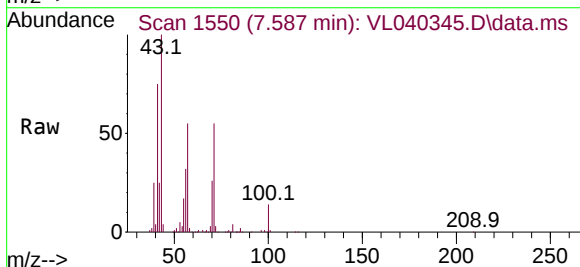
Tgt Ion: 57 Resp: 126895

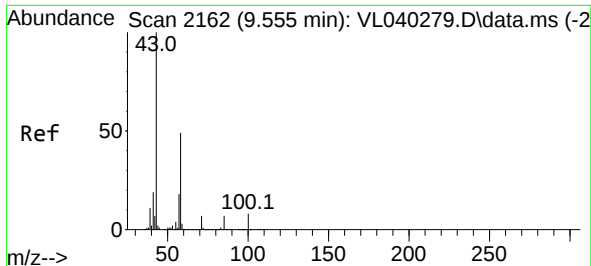
Ion Ratio Lower Upper

57 100

41 170.5 26.8 40.2#

56 82.1 25.0 37.6#

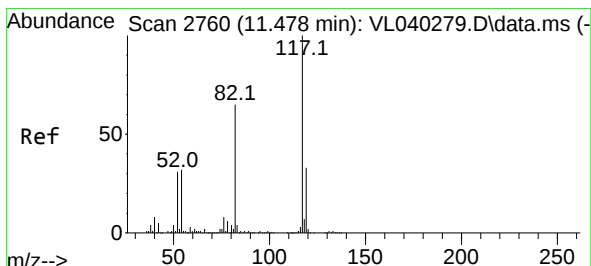
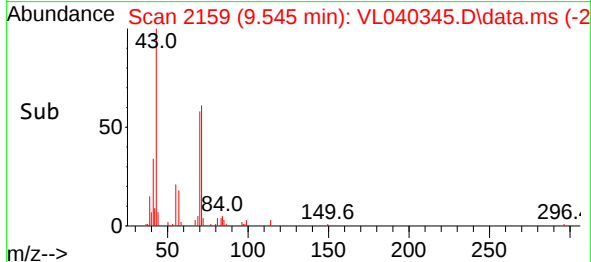
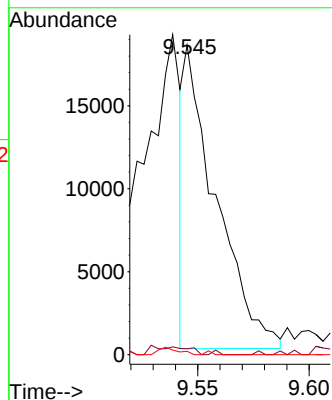
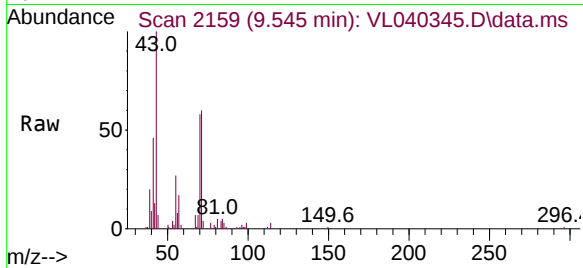




#51
2-Hexanone
Concen: 0.102 ppbv
RT: 9.545 min Scan# 2162
Delta R.T. -0.010 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

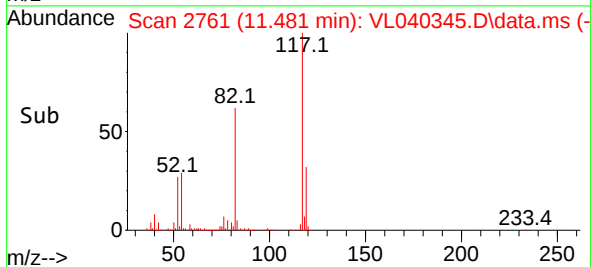
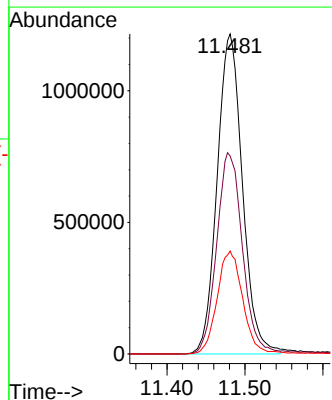
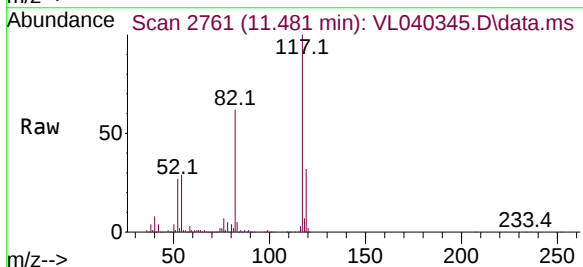
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

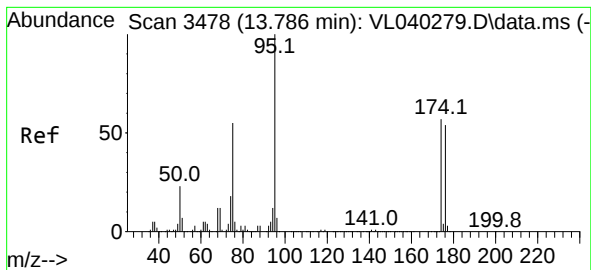
Tgt Ion: 43 Resp: 18117
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.5 0.7#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.003 min
Lab File: VL040345.D
Acq: 12 Apr 2023 19:10

Tgt Ion: 117 Resp: 2744053
Ion Ratio Lower Upper
117 100
82 65.2 51.4 77.2
119 33.1 24.0 36.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.281 ppbv
 RT: 13.793 min Scan# 34
 Delta R.T. 0.007 min
 Lab File: VL040345.D
 Acq: 12 Apr 2023 19:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 2132747
 Ion Ratio Lower Upper
 95 100
 174 62.7 47.0 70.6
 175 4.5 3.4 5.2

