

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
 Data File : VL040315.D
 Acq On : 5 Apr 2023 13:36
 Operator : SY/MD
 Sample : 02168-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Apr 06 07:50:55 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 : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1080949	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.632	114	2953325	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2692509	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2184228	9.687	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%

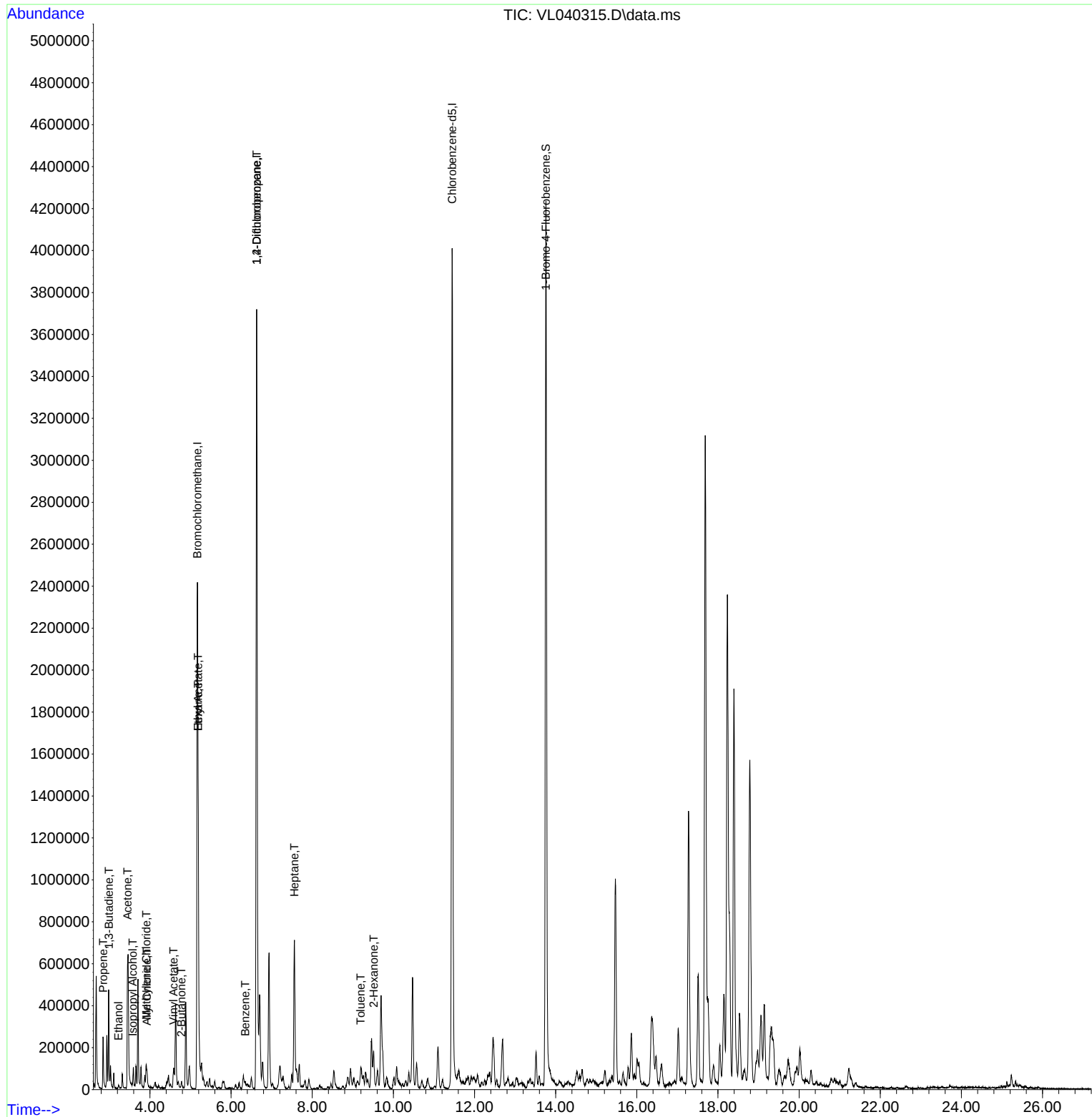
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.845	41	59211	1.137	ppbv	91
10) Heptane	7.558	43	313971	2.507	ppbv	98
13) Ethanol	3.227	45	15469	4.050	ppbv	90
15) Acetone	3.449	43	719887	5.470	ppbv	96
16) 1,3-Butadiene	2.986	39	55355	0.925	ppbv #	7
19) Isopropyl Alcohol	3.575	45	14397	0.228	ppbv #	90
20) Methylene Chloride	3.909	84	33609	0.607	ppbv	94
21) Allyl Chloride	3.925	41	6954	0.082	ppbv #	23
23) Vinyl Acetate	4.581	43	25053	0.684	ppbv #	1
25) Ethyl Acetate	5.189	43	232098	0.942	ppbv #	76
26) Hexane	5.189	57	360073	3.560	ppbv #	35
34) 2-Butanone	4.777	43	30459	0.209	ppbv #	85
36) Benzene	6.349	78	20816	0.092	ppbv #	87
39) 1,2-Dichloropropane	6.632	63	707759	8.015	ppbv #	25
51) 2-Hexanone	9.516	43	90603	0.519	ppbv #	30
53) Toluene	9.192	91	11923	0.051	ppbv #	21

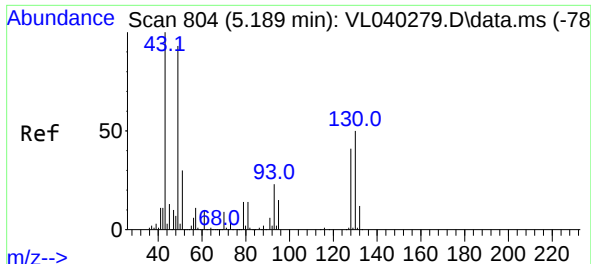
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Apr 06 07:50:55 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 : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

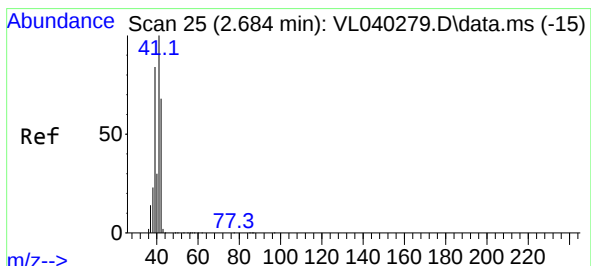
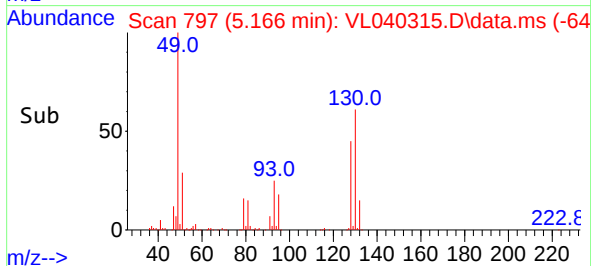
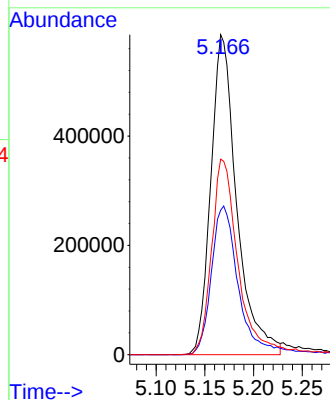
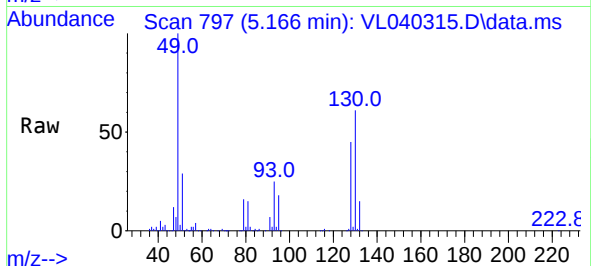




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 75
Delta R.T. -0.023 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

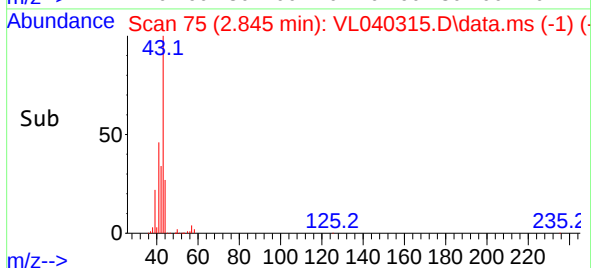
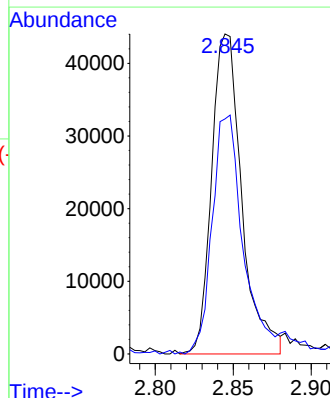
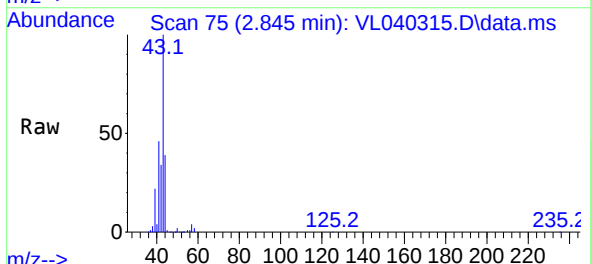
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

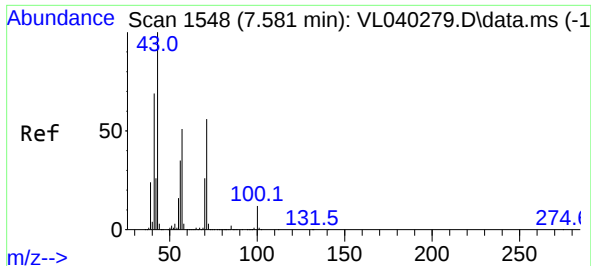
Tgt Ion: 49 Resp: 1080949
Ion Ratio Lower Upper
49 100
128 50.4 22.4 67.3
130 64.2 28.7 86.1



#9
Propene
Concen: 1.137 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.161 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 41 Resp: 59211
Ion Ratio Lower Upper
41 100
42 81.6 59.0 88.4





#10

Heptane

Concen: 2.507 ppbv

RT: 7.558 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL040315.D

Acq: 5 Apr 2023 13:36

Instrument :

MSVOA_L

ClientSampleId :

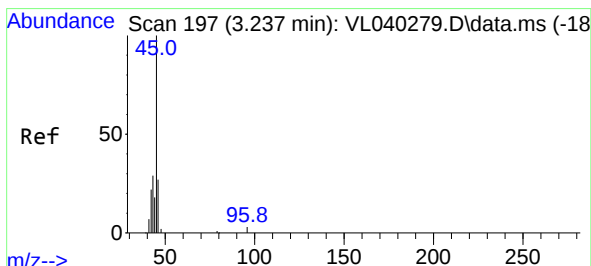
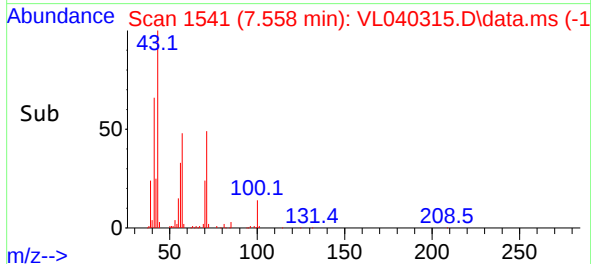
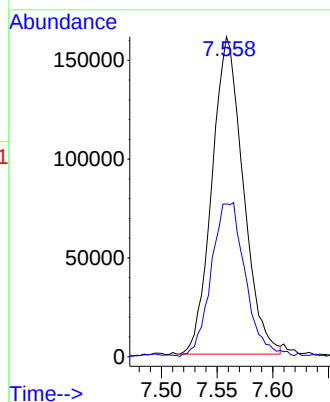
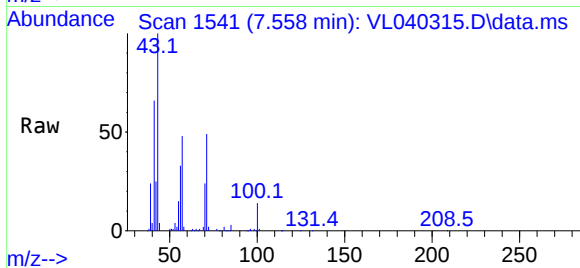
SV1DL

Tgt Ion: 43 Resp: 313971

Ion Ratio Lower Upper

43 100

57 53.3 41.7 62.5



#13

Ethanol

Concen: 4.050 ppbv

RT: 3.227 min Scan# 194

Delta R.T. -0.010 min

Lab File: VL040315.D

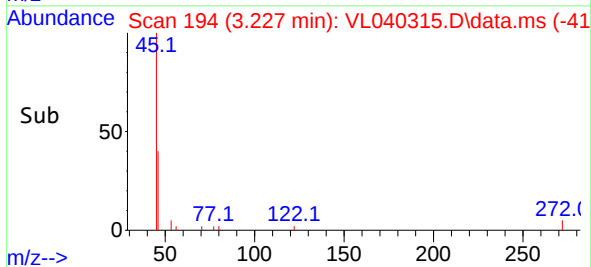
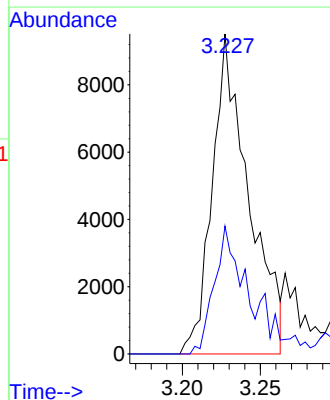
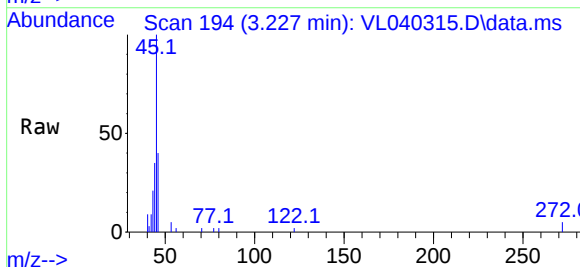
Acq: 5 Apr 2023 13:36

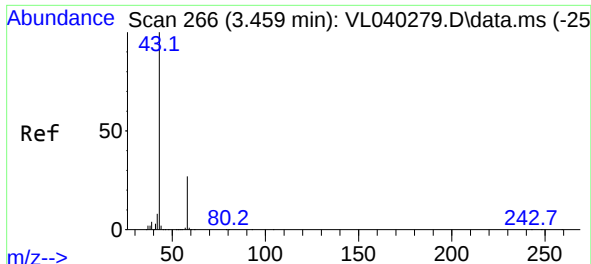
Tgt Ion: 45 Resp: 15469

Ion Ratio Lower Upper

45 100

46 43.6 15.0 60.2

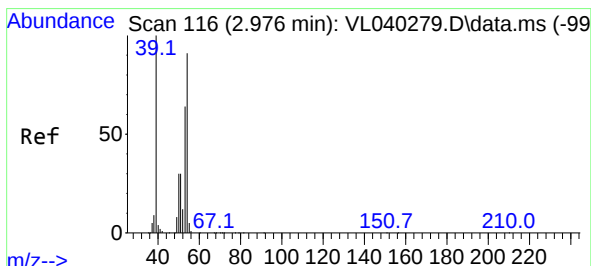
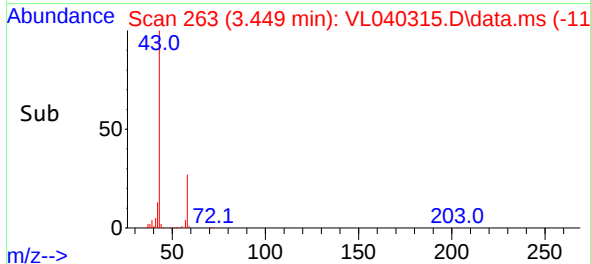
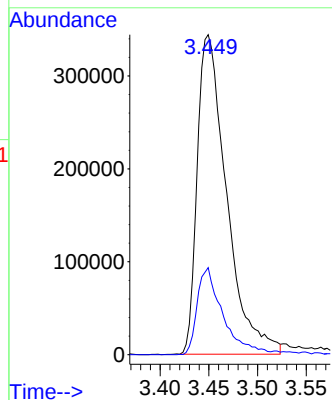
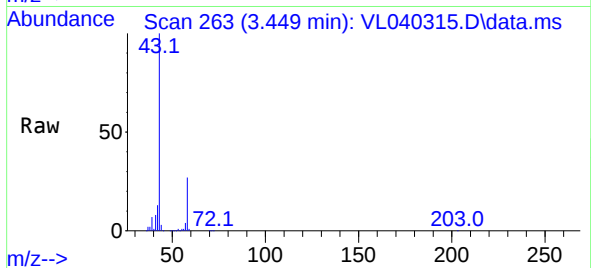




#15
Acetone
Concen: 5.470 ppbv
RT: 3.449 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

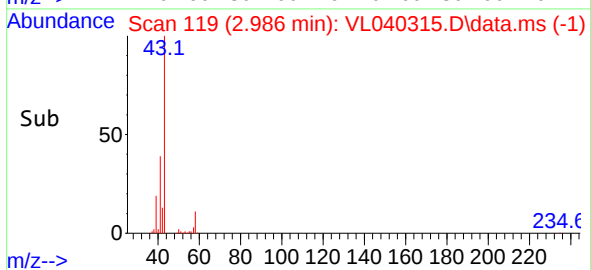
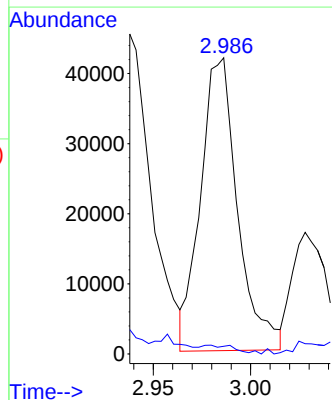
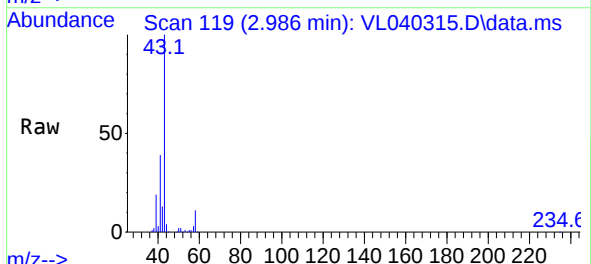
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

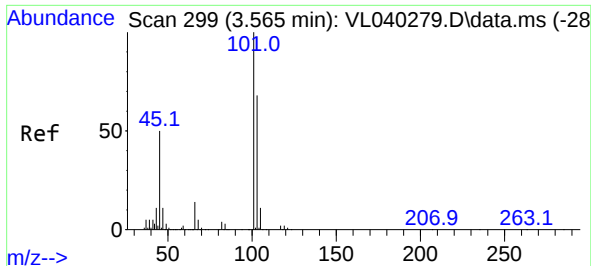
Tgt Ion: 43 Resp: 719887
Ion Ratio Lower Upper
43 100
58 25.0 21.8 32.8



#16
1,3-Butadiene
Concen: 0.925 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.010 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 39 Resp: 55355
Ion Ratio Lower Upper
39 100
54 0.0 68.4 102.6#

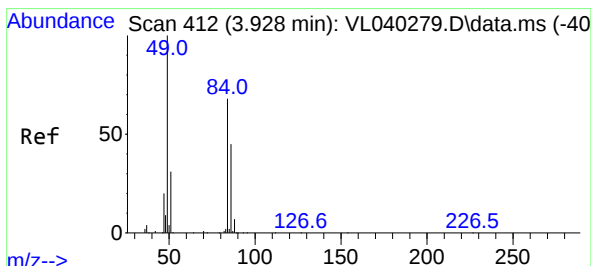
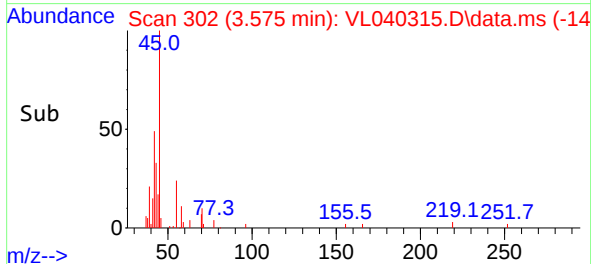
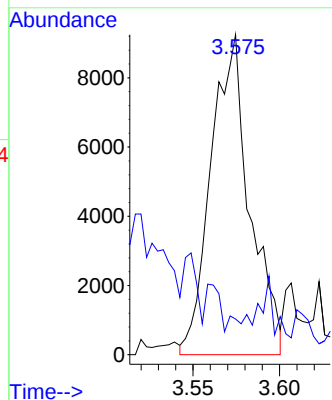
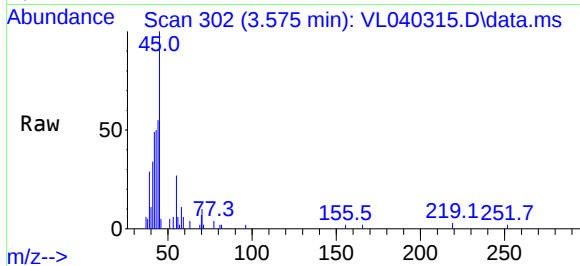




#19
Isopropyl Alcohol
Concen: 0.228 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.010 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

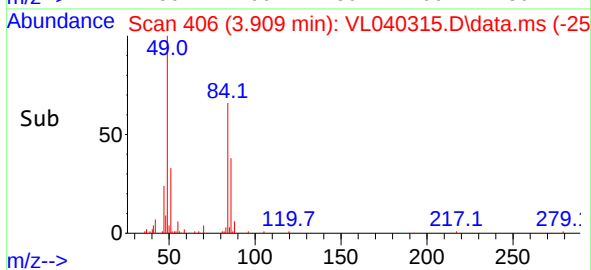
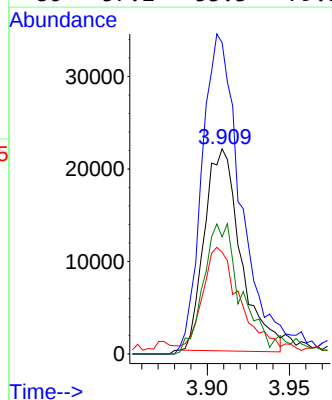
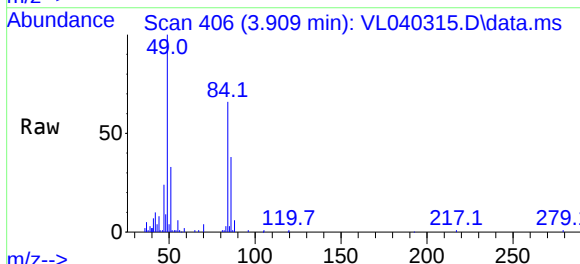
Instrument :
MSVOA_1
ClientSampleId :
SV1DL

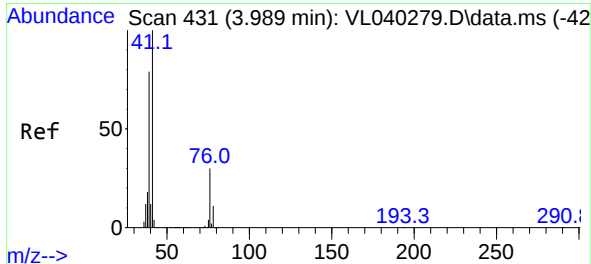
Tgt Ion: 45 Resp: 14397
Ion Ratio Lower Upper
45 100
58 0.0 2.7 4.1#



#20
Methylene Chloride
Concen: 0.607 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.019 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 84 Resp: 33609
Ion Ratio Lower Upper
84 100
49 150.9 117.5 176.3
51 49.0 36.9 55.3
86 57.2 53.3 79.9





#21

Allyl Chloride

Concen: 0.082 ppbv

RT: 3.925 min Scan# 41

Delta R.T. -0.064 min

Lab File: VL040315.D

Acq: 5 Apr 2023 13:36

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

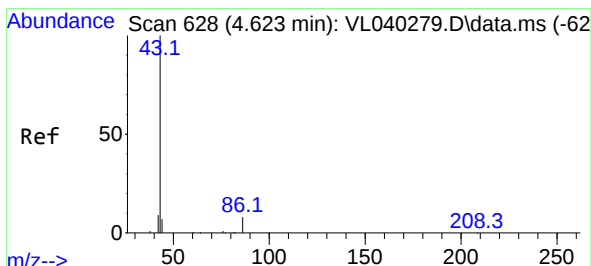
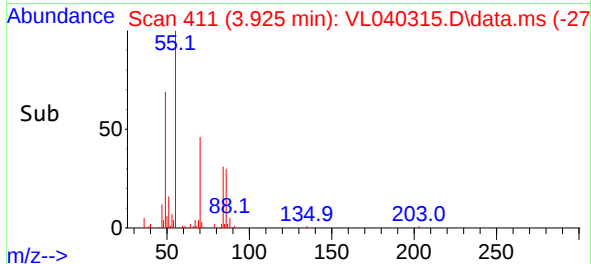
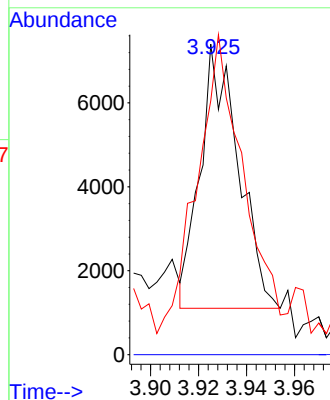
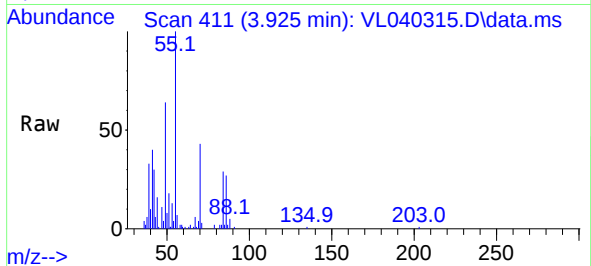
Tgt Ion: 41 Resp: 6954

Ion Ratio Lower Upper

41 100

76 0.0 25.4 38.0#

39 157.2 65.4 98.2#



#23

Vinyl Acetate

Concen: 0.684 ppbv

RT: 4.581 min Scan# 615

Delta R.T. -0.042 min

Lab File: VL040315.D

Acq: 5 Apr 2023 13:36

Tgt Ion: 43 Resp: 25053

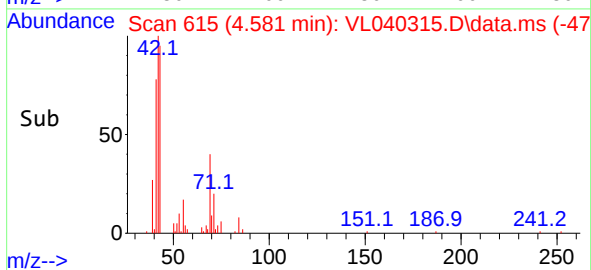
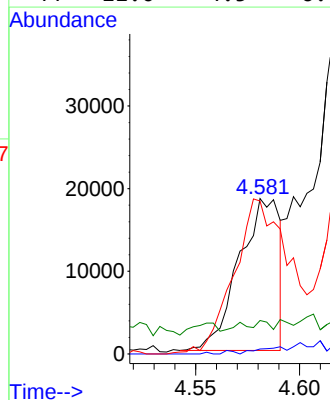
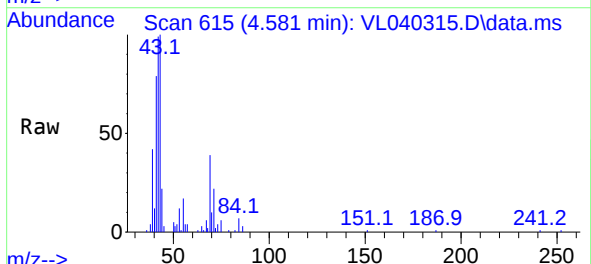
Ion Ratio Lower Upper

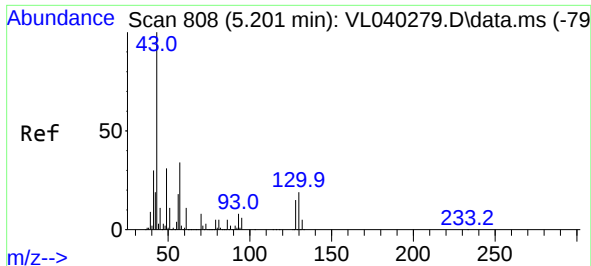
43 100

86 3.7 5.0 7.4#

42 113.7 9.1 13.7#

44 11.0 4.5 6.7#



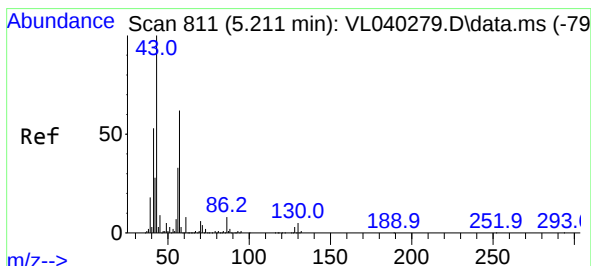
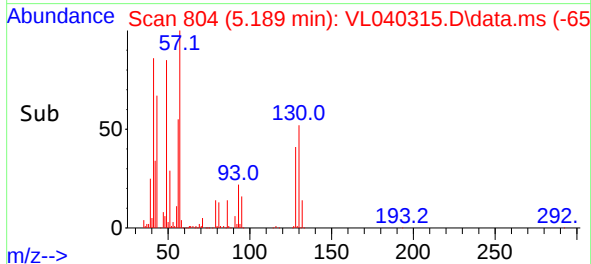
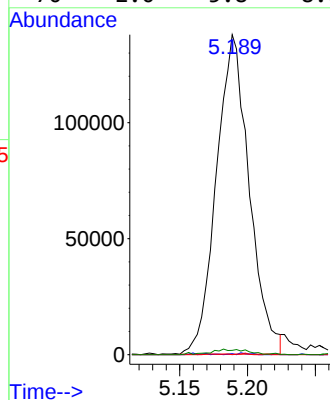
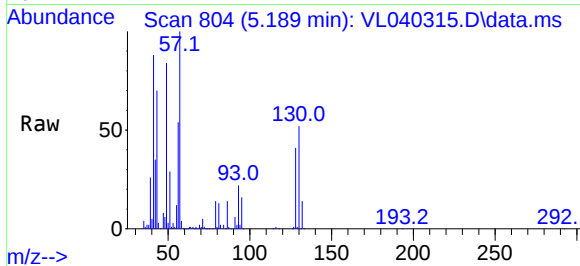


#25
Ethyl Acetate
Concen: 0.942 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.012 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 232098

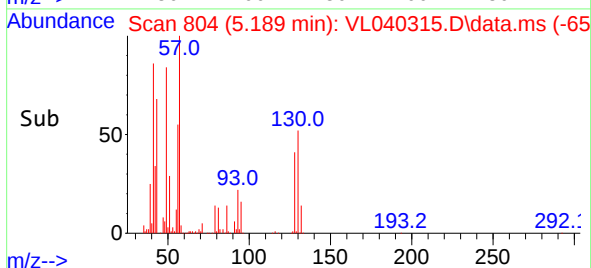
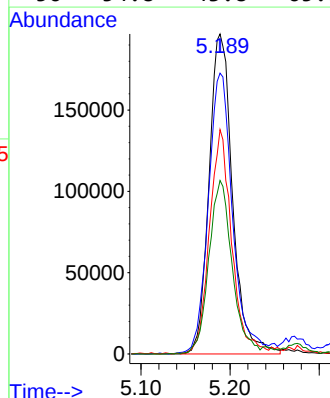
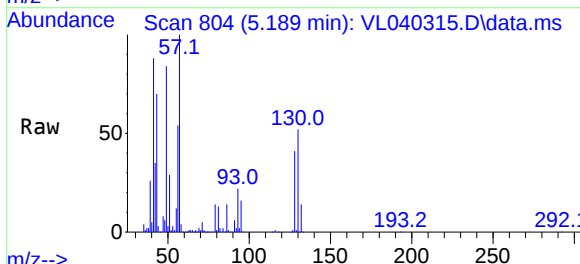
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.6	12.8#
61	0.3	8.4	12.6#
70	2.0	5.8	8.6#

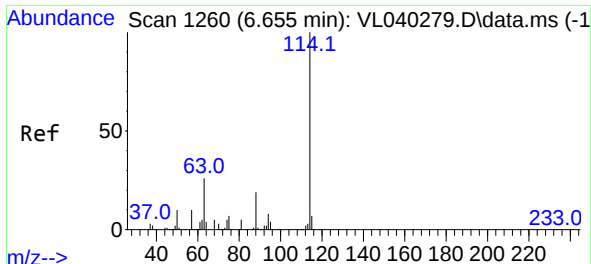


#26
Hexane
Concen: 3.560 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.022 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 57 Resp: 360073

Ion	Ratio	Lower	Upper
57	100		
41	90.9	73.5	110.3
43	67.2	196.3	294.5#
56	54.8	43.8	65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL040315.D

Acq: 5 Apr 2023 13:36

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

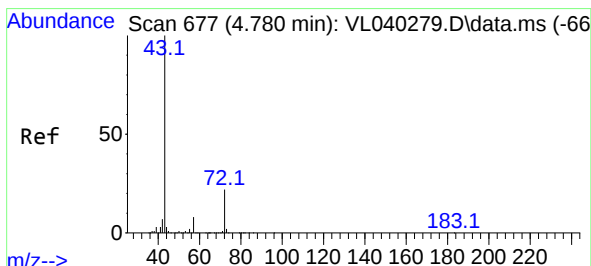
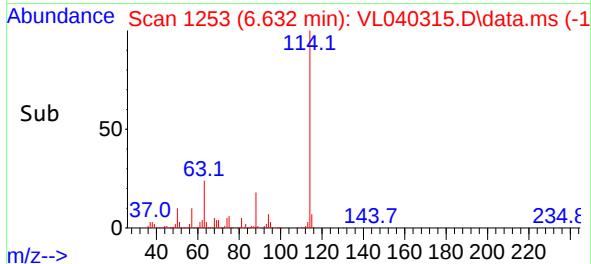
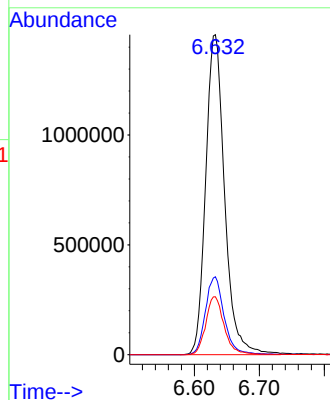
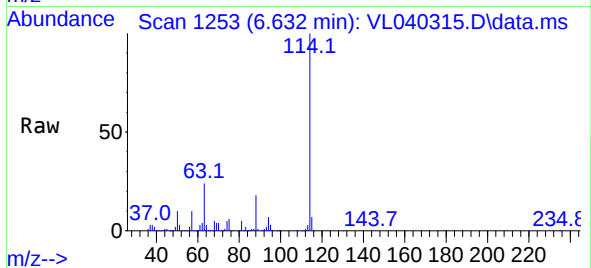
Tgt Ion:114 Resp: 2953325

Ion Ratio Lower Upper

114 100

63 24.2 21.2 31.8

88 17.8 14.5 21.7



#34

2-Butanone

Concen: 0.209 ppbv

RT: 4.777 min Scan# 676

Delta R.T. -0.003 min

Lab File: VL040315.D

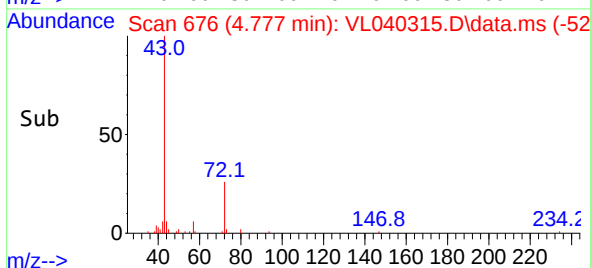
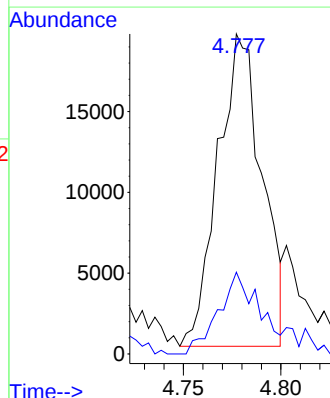
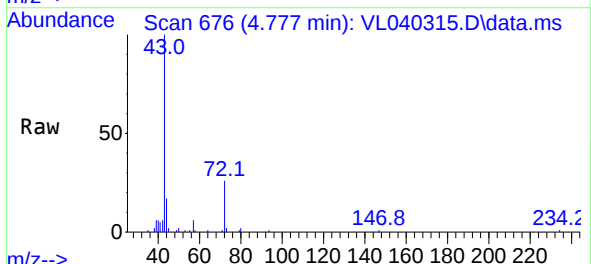
Acq: 5 Apr 2023 13:36

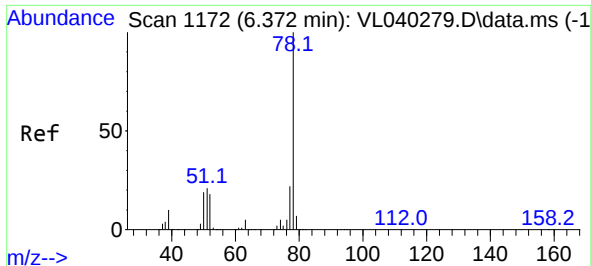
Tgt Ion: 43 Resp: 30459

Ion Ratio Lower Upper

43 100

72 30.3 18.3 27.5#

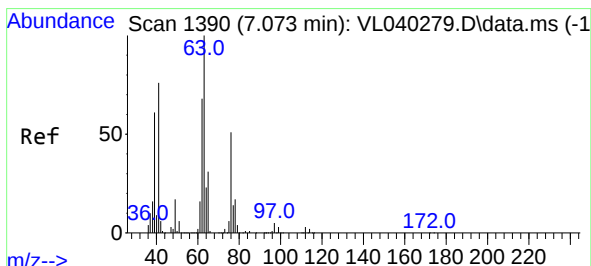
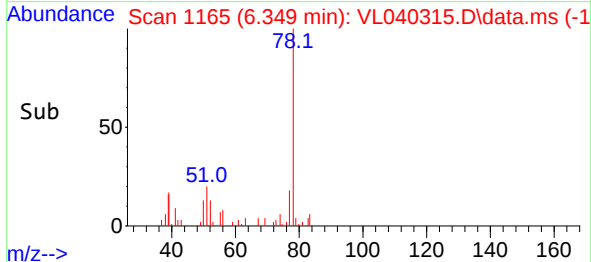
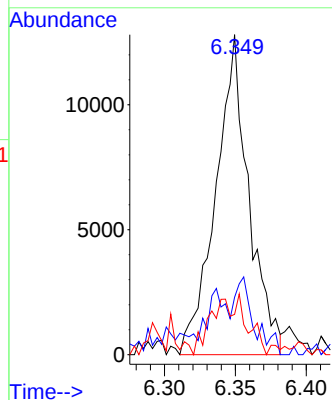
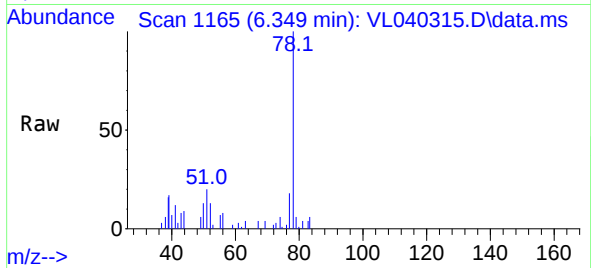




#36
Benzene
Concen: 0.092 ppbv
RT: 6.349 min Scan# 1172
Delta R.T. -0.023 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

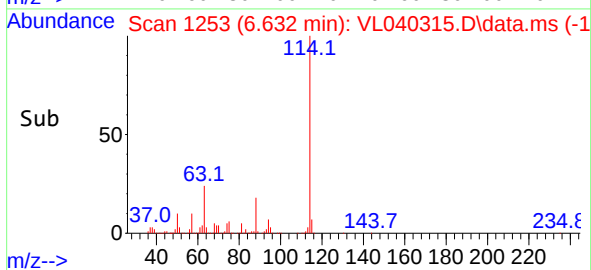
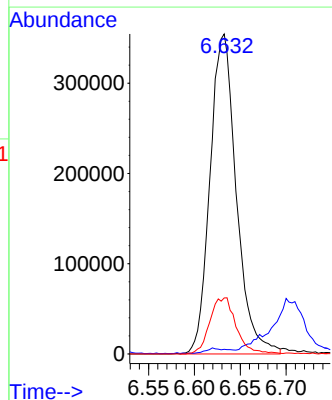
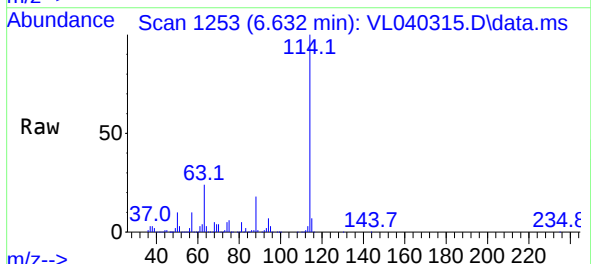
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

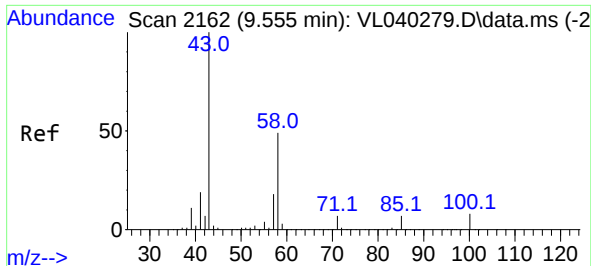
Tgt Ion: 78 Resp: 20816
Ion Ratio Lower Upper
78 100
77 17.9 17.8 26.8
50 11.0 15.4 23.2#



#39
1,2-Dichloropropane
Concen: 8.015 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.441 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 63 Resp: 707759
Ion Ratio Lower Upper
63 100
41 1.3 60.8 91.2#
62 17.5 54.1 81.1#

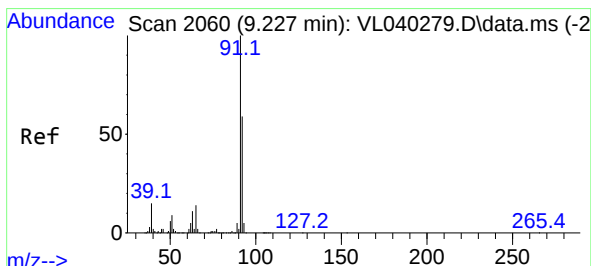
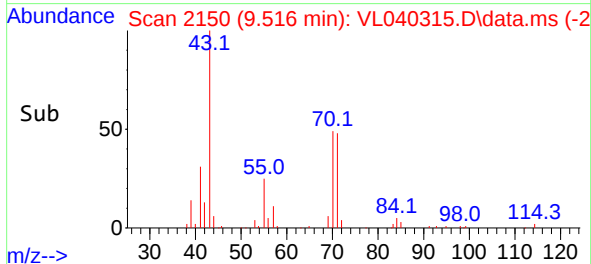
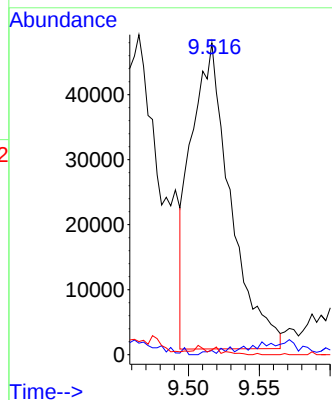
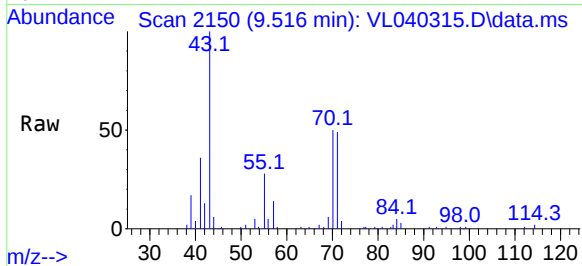




#51
2-Hexanone
Concen: 0.519 ppbv
RT: 9.516 min Scan# 2162
Delta R.T. -0.039 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

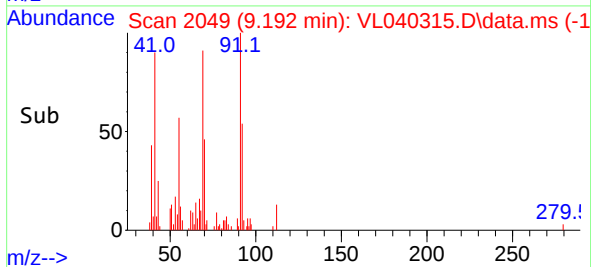
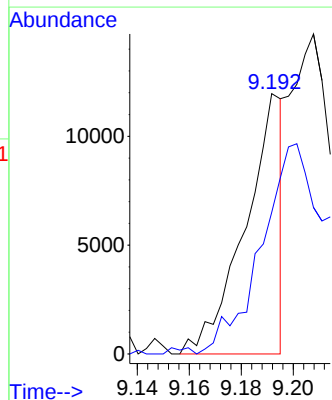
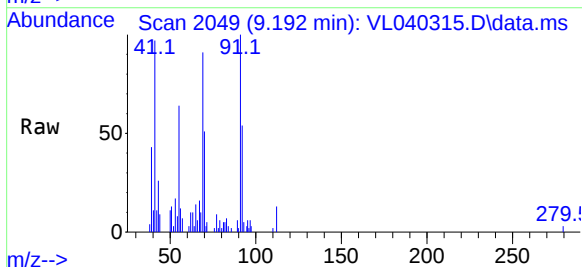
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

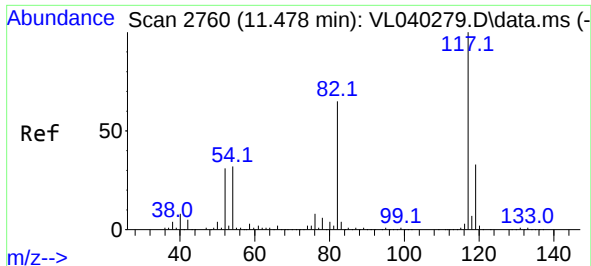
Tgt Ion: 43 Resp: 90603
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 1.6 0.5 0.7#



#53
Toluene
Concen: 0.051 ppbv
RT: 9.192 min Scan# 2049
Delta R.T. -0.035 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 91 Resp: 11923
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#

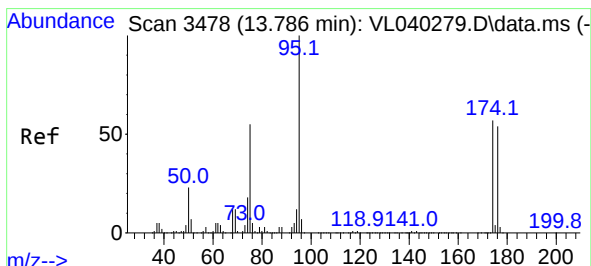
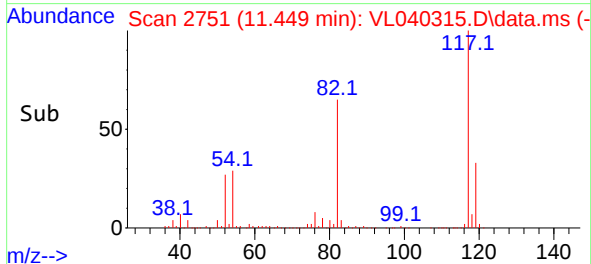
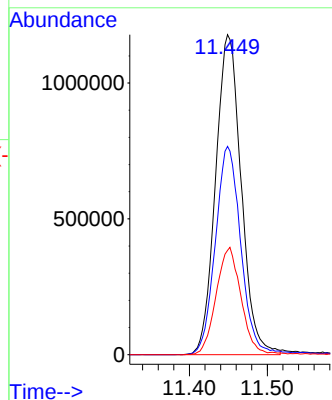
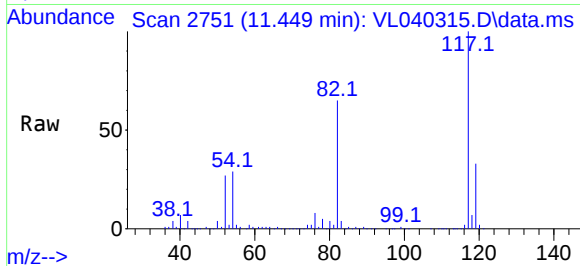




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 2692509
Ion Ratio Lower Upper
117 100
82 66.1 51.4 77.2
119 33.1 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.687 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. -0.025 min
Lab File: VL040315.D
Acq: 5 Apr 2023 13:36

Tgt Ion: 95 Resp: 2184228
Ion Ratio Lower Upper
95 100
174 62.5 47.0 70.6
175 4.4 3.4 5.2

