

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040325.D
 Acq On : 10 Apr 2023 15:09
 Operator : SY/MD
 Sample : 02229-01 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Apr 11 02:07:17 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)

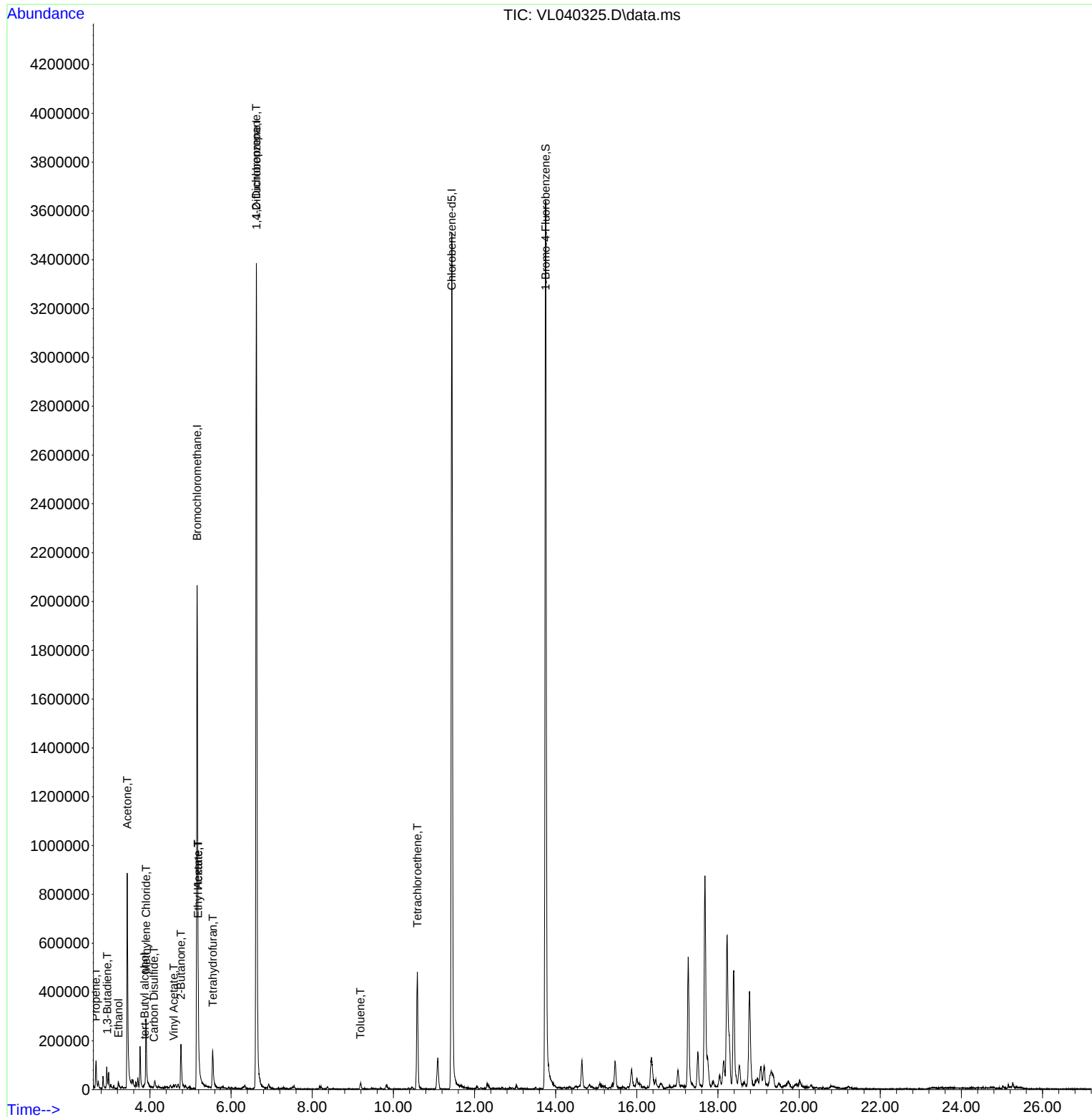
Internal Standards						
1) Bromochloromethane	5.163	49	976596	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.626	114	2477399	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	2232817	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1833617	9.806	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
9) Propene	2.665	41	40863	0.869	ppbv	88
13) Ethanol	3.224	45	21291	6.171	ppbv	80
15) Acetone	3.439	43	985688	8.290	ppbv	99
16) 1,3-Butadiene	2.951	39	7225	0.134	ppbv	82
17) tert-Butyl alcohol	3.873	59	5811	0.051	ppbv #	88
20) Methylene Chloride	3.902	84	92787	1.855	ppbv	96
23) Vinyl Acetate	4.587	43	2576	0.078	ppbv #	32
25) Ethyl Acetate	5.189	43	14171	0.064	ppbv #	90
26) Hexane	5.185	57	57266	0.627	ppbv #	38
27) Carbon Disulfide	4.099	76	4065	0.032	ppbv #	1
34) 2-Butanone	4.764	43	216952	1.774	ppbv	99
39) 1,2-Dichloropropane	6.623	63	630169	8.508	ppbv #	25
41) Tetrahydrofuran	5.549	42	73781	1.046	ppbv #	88
52) Tetrachloroethene	10.590	164	106882	1.871	ppbv	97
53) Toluene	9.188	91	10286	0.052	ppbv #	34

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

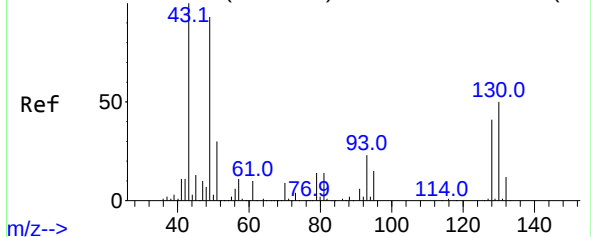
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
Data File : VL040325.D
Acq On : 10 Apr 2023 15:09
Operator : SY/MD
Sample : 02229-01 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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SV-1DL

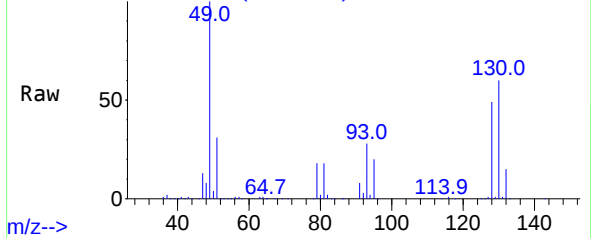
Quant Time: Apr 11 02:07:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration



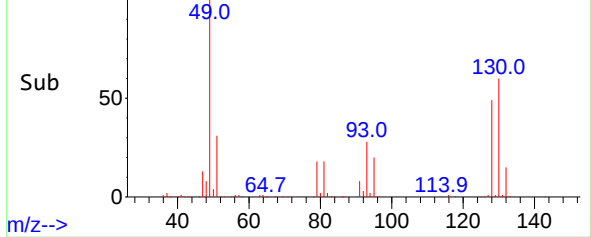
Abundance Scan 804 (5.189 min): VL040279.D\data.ms (-78



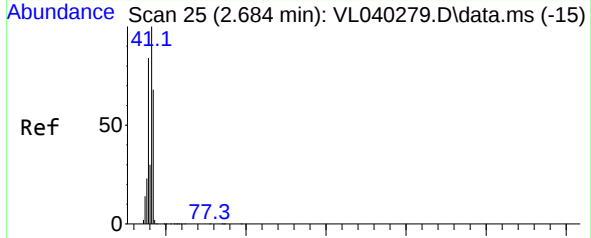
m/z--> Scan 796 (5.163 min): VL040325.D\data.ms



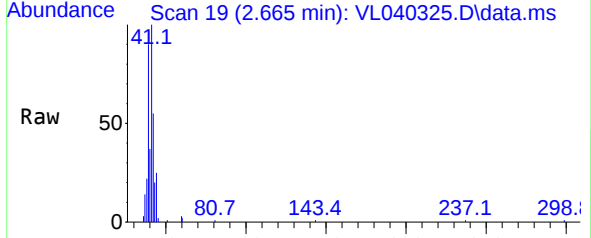
Abundance Scan 796 (5.163 min): VL040325.D\data.ms (-64



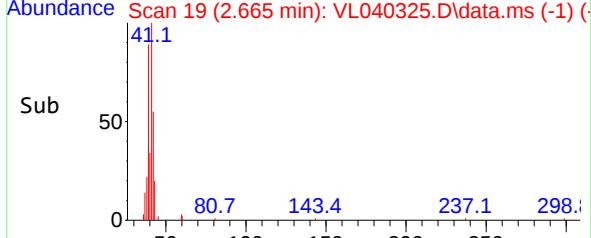
m/z--> Scan 25 (2.684 min): VL040279.D\data.ms (-15)



m/z--> Scan 19 (2.665 min): VL040325.D\data.ms



Abundance Scan 19 (2.665 min): VL040325.D\data.ms (-1)



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.163 min Scan# 79

Delta R.T. -0.026 min

Lab File: VL040325.D

Acq: 10 Apr 2023 15:09

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tgt Ion: 49 Resp: 976596

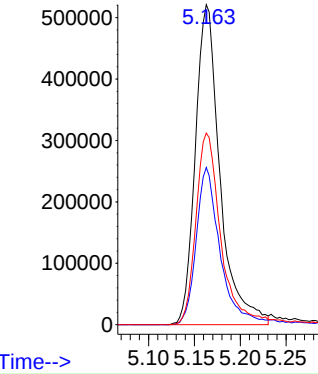
Ion Ratio Lower Upper

49 100

128 49.4 22.4 67.3

130 62.3 28.7 86.1

Abundance



#9

Propene

Concen: 0.869 ppbv

RT: 2.665 min Scan# 19

Delta R.T. -0.019 min

Lab File: VL040325.D

Acq: 10 Apr 2023 15:09

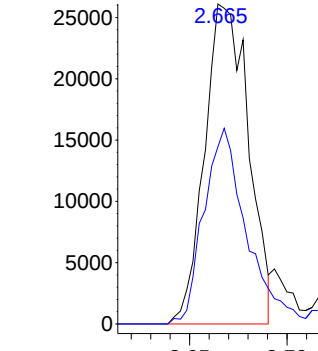
Tgt Ion: 41 Resp: 40863

Ion Ratio Lower Upper

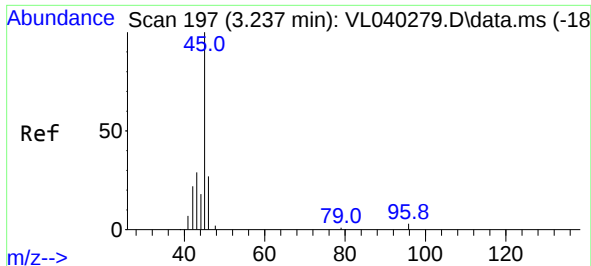
41 100

42 64.0 59.0 88.4

Abundance



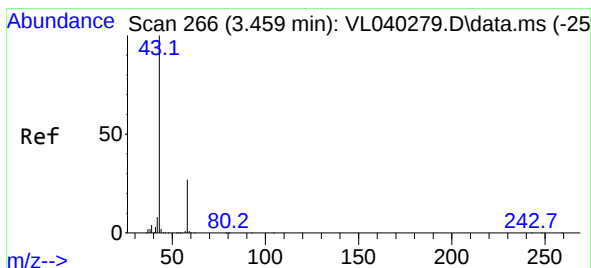
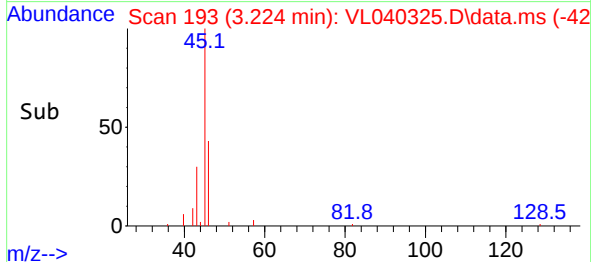
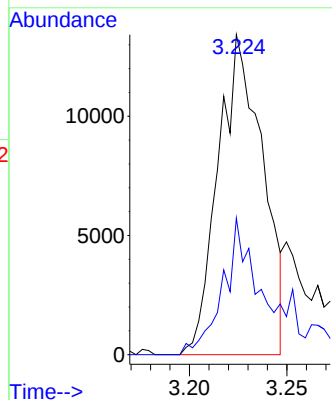
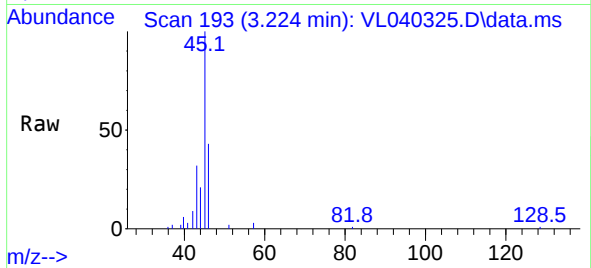
Time-->



#13
Ethanol
Concen: 6.171 ppbv
RT: 3.224 min Scan# 197
Delta R.T. -0.013 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

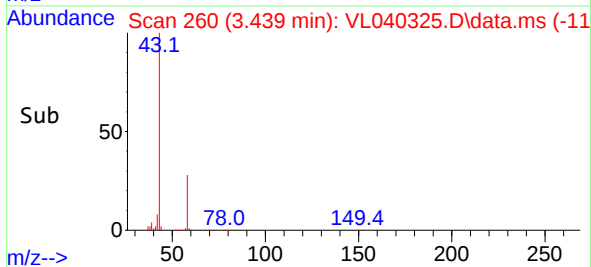
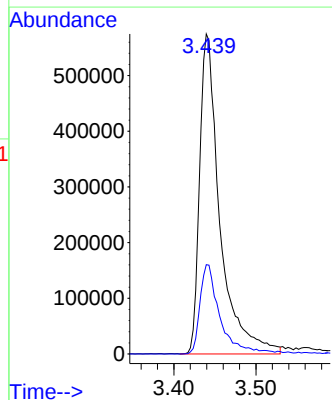
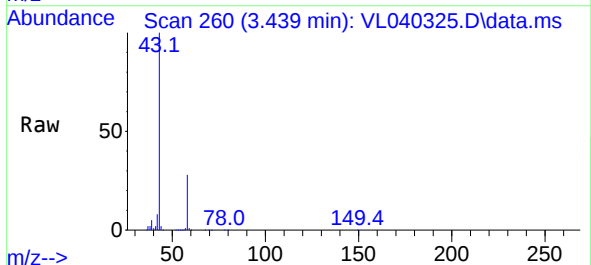
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

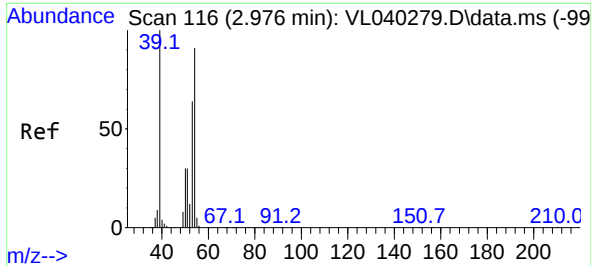
Tgt Ion: 45 Resp: 21291
Ion Ratio Lower Upper
45 100
46 49.3 15.0 60.2



#15
Acetone
Concen: 8.290 ppbv
RT: 3.439 min Scan# 260
Delta R.T. -0.020 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 43 Resp: 985688
Ion Ratio Lower Upper
43 100
58 27.9 21.8 32.8

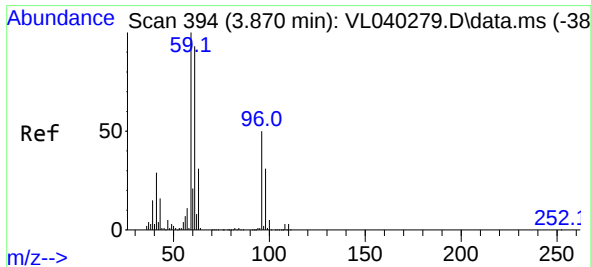
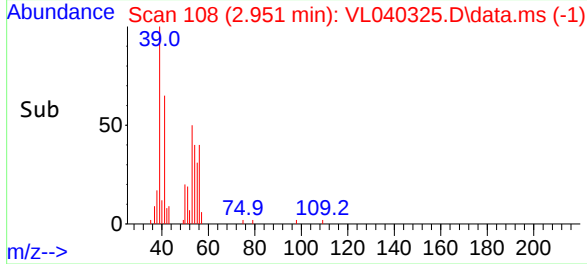
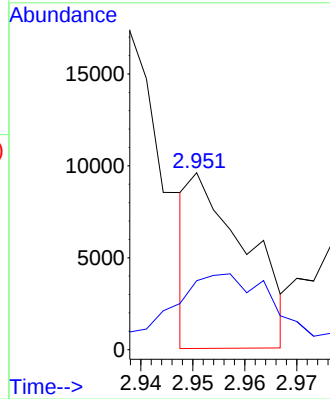
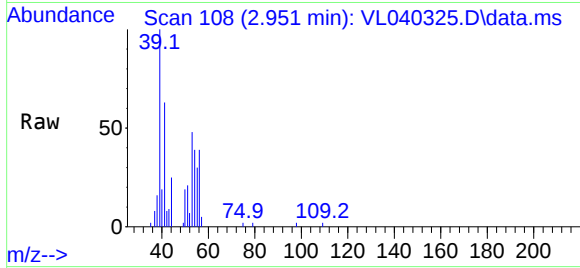




#16
1,3-Butadiene
Concen: 0.134 ppbv
RT: 2.951 min Scan# 108
Delta R.T. -0.025 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

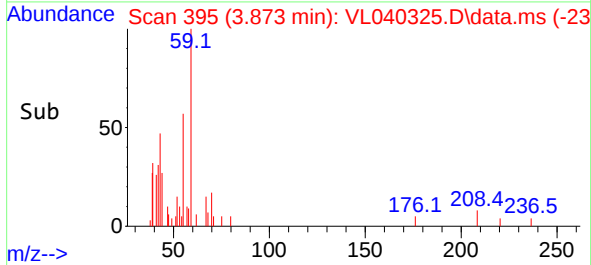
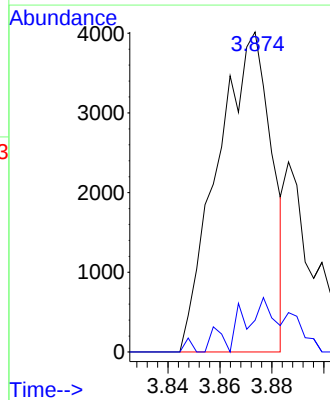
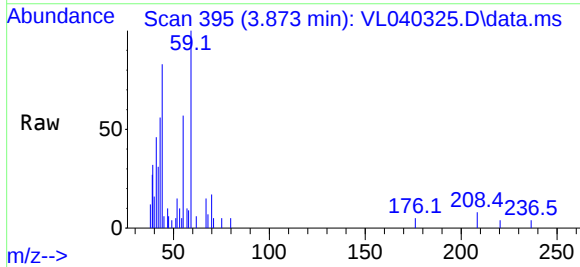
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

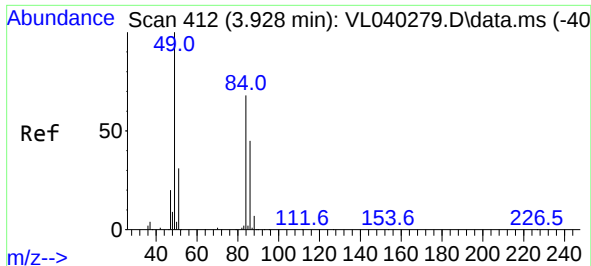
Tgt Ion: 39 Resp: 7225
Ion Ratio Lower Upper
39 100
54 102.2 68.4 102.6



#17
tert-Butyl alcohol
Concen: 0.051 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.003 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 59 Resp: 5811
Ion Ratio Lower Upper
59 100
57 15.2 8.5 12.7#



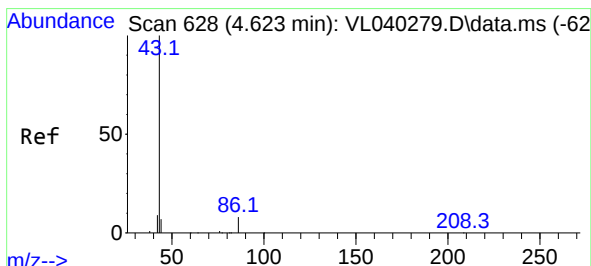
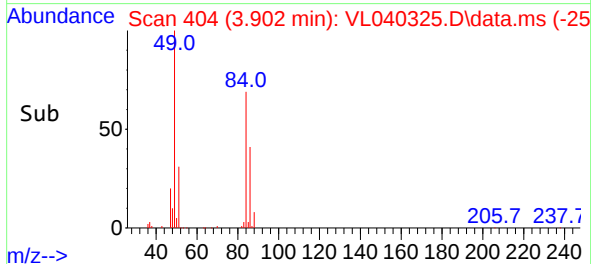
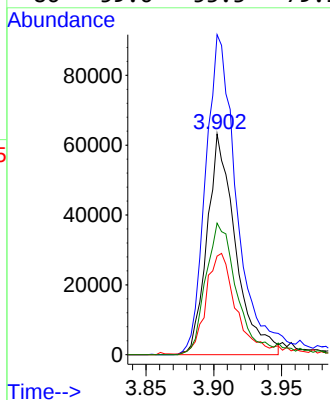
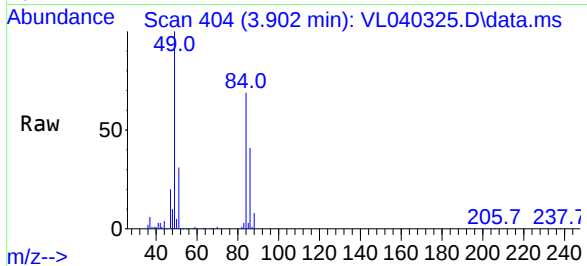


#20
Methylene Chloride
Concen: 1.855 ppbv
RT: 3.902 min Scan# 404
Delta R.T. -0.026 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 84 Resp: 92787

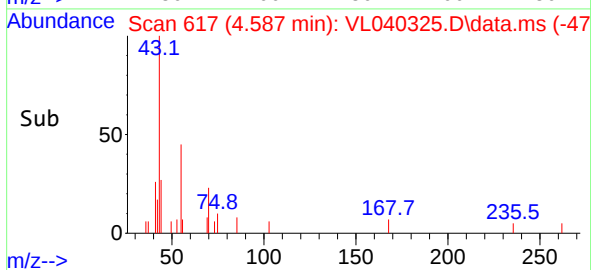
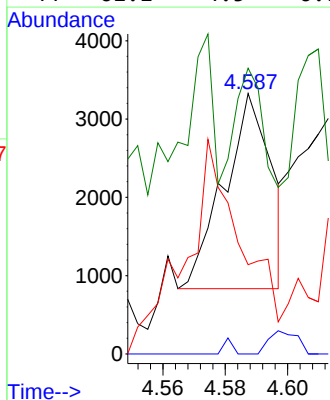
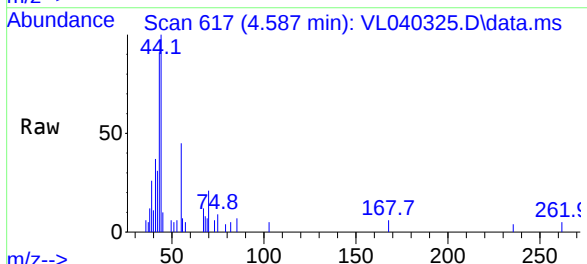
Ion	Ratio	Lower	Upper
84	100		
49	144.8	117.5	176.3
51	44.4	36.9	55.3
86	59.6	53.3	79.9

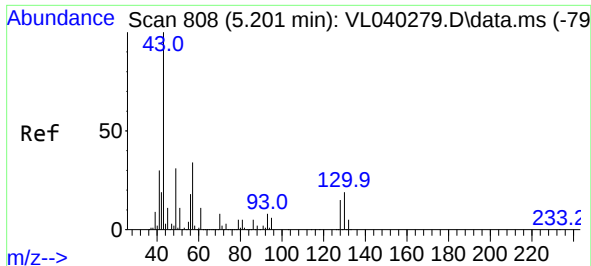


#23
Vinyl Acetate
Concen: 0.078 ppbv
RT: 4.587 min Scan# 617
Delta R.T. -0.036 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 43 Resp: 2576

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	29.4	9.1	13.7#
44	61.1	4.5	6.7#



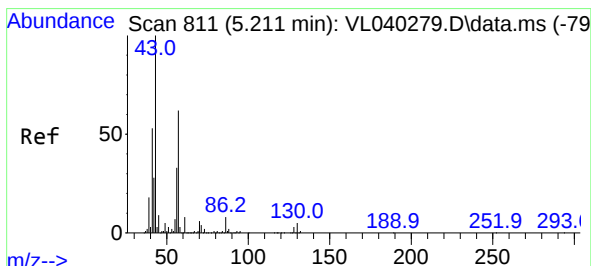
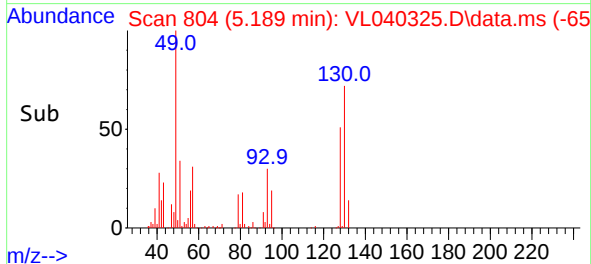
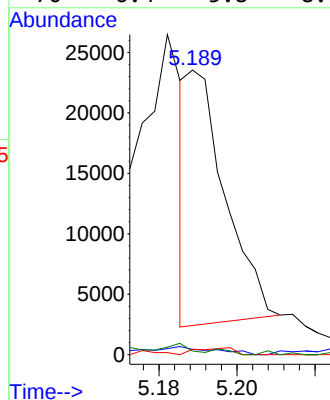
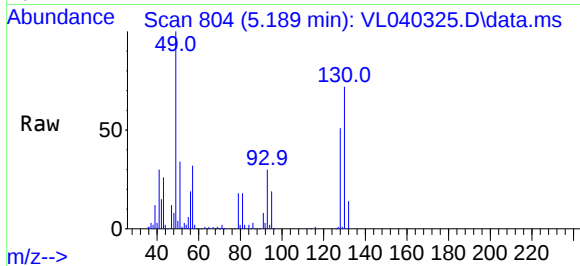


#25
Ethyl Acetate
Concen: 0.064 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.012 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 43 Resp: 14171

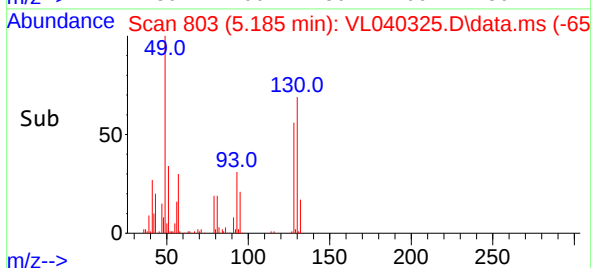
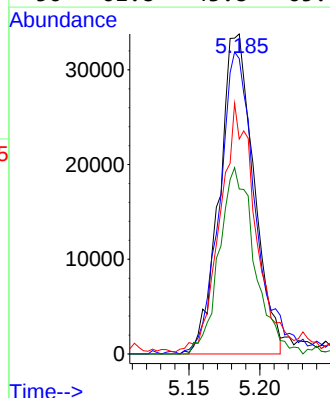
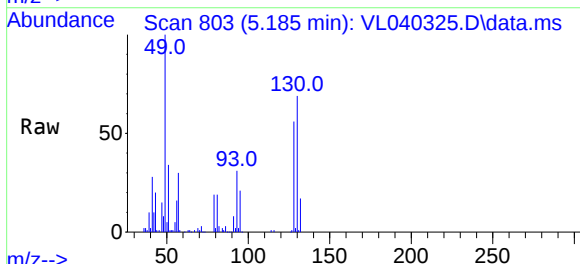
Ion	Ratio	Lower	Upper
43	100		
45	7.9	8.6	12.8#
61	3.6	8.4	12.6#
70	6.4	5.8	8.6

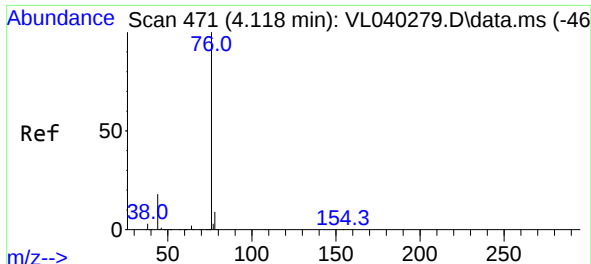


#26
Hexane
Concen: 0.627 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.026 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 57 Resp: 57266

Ion	Ratio	Lower	Upper
57	100		
41	99.4	73.5	110.3
43	82.5	196.3	294.5#
56	61.8	43.8	65.8

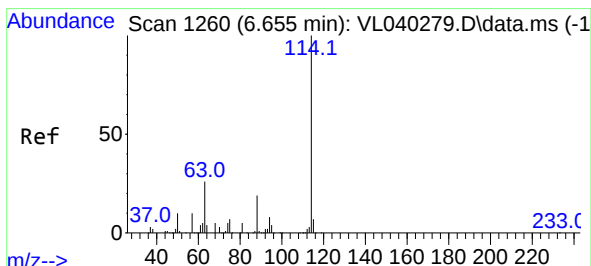
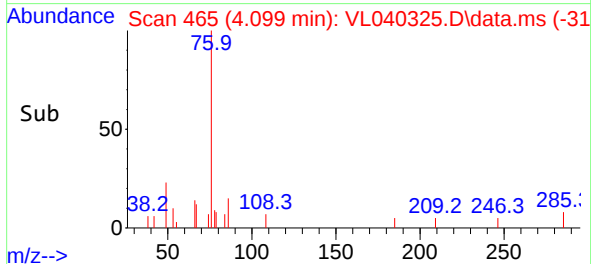
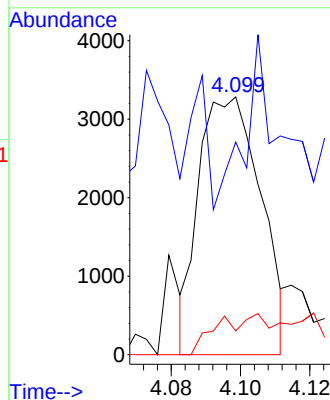
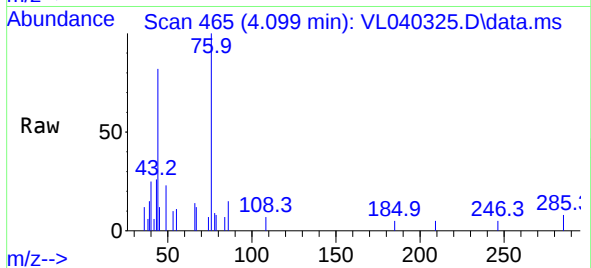




#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.099 min Scan# 4065
Delta R.T. -0.019 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

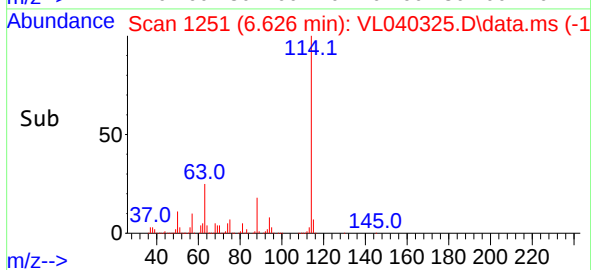
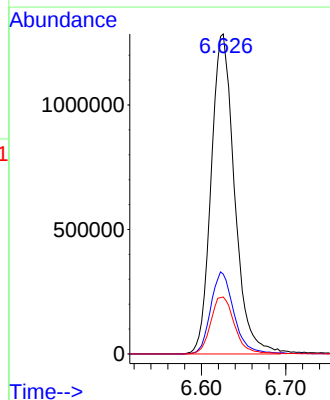
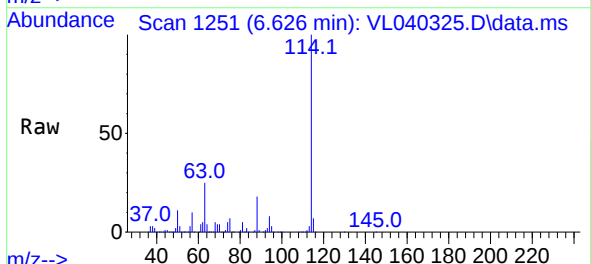
Instrument :
MSVOA_L
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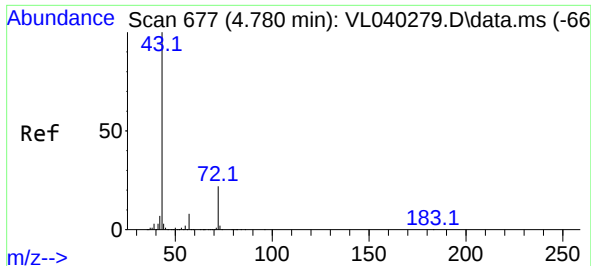
Tgt Ion: 76 Resp: 4065
Ion Ratio Lower Upper
76 100
44 162.6 15.2 22.8#
78 0.0 7.6 11.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.029 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 114 Resp: 2477399
Ion Ratio Lower Upper
114 100
63 25.8 21.2 31.8
88 18.3 14.5 21.7

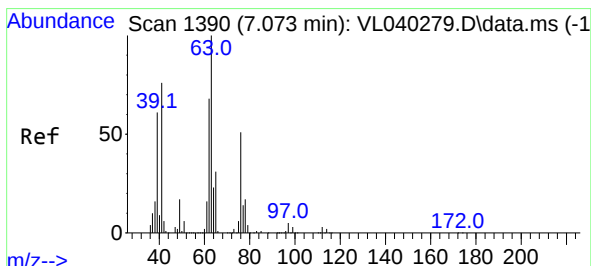
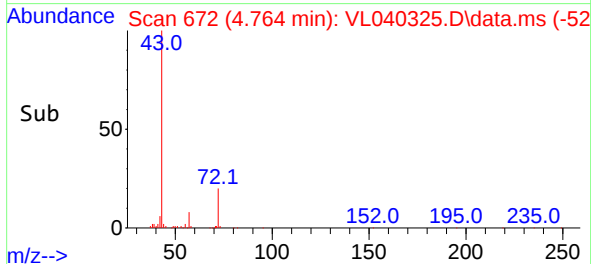
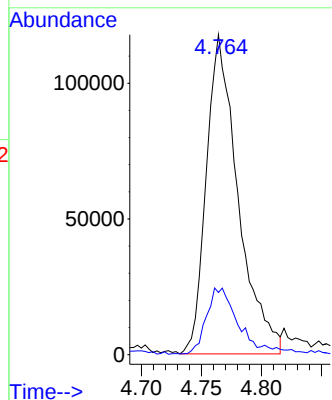
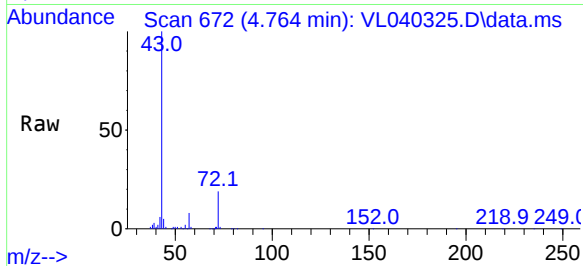




#34
2-Butanone
Concen: 1.774 ppbv
RT: 4.764 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

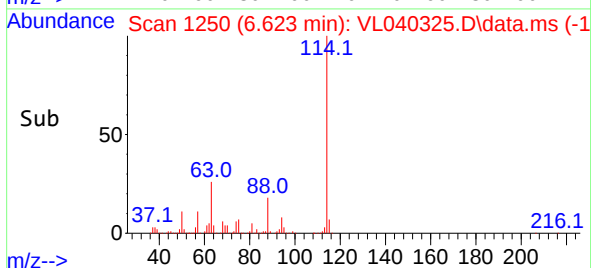
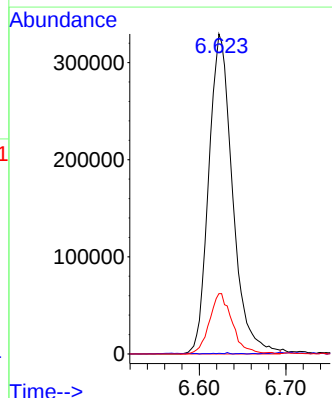
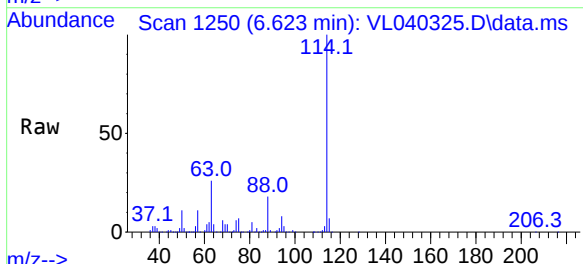
Instrument :
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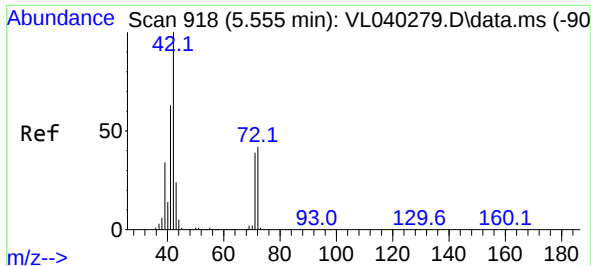
Tgt Ion: 43 Resp: 216952
Ion Ratio Lower Upper
43 100
72 23.4 18.3 27.5



#39
1,2-Dichloropropane
Concen: 8.508 ppbv
RT: 6.623 min Scan# 1250
Delta R.T. -0.450 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 63 Resp: 630169
Ion Ratio Lower Upper
63 100
41 0.1 60.8 91.2#
62 18.8 54.1 81.1#

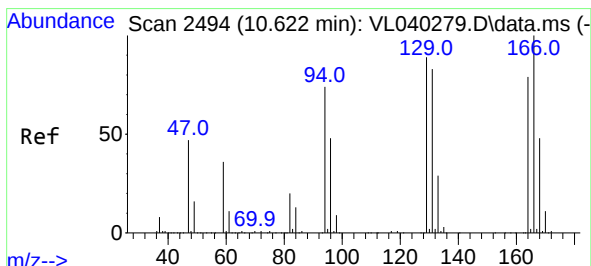
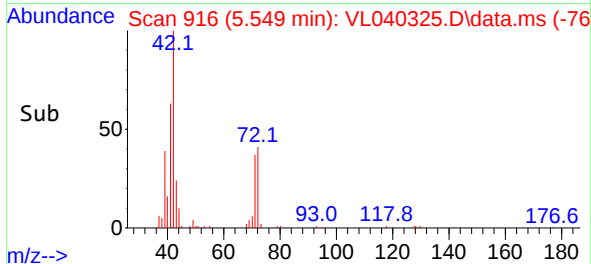
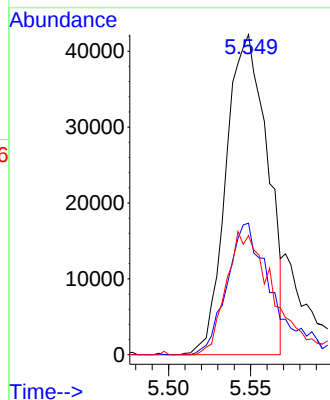
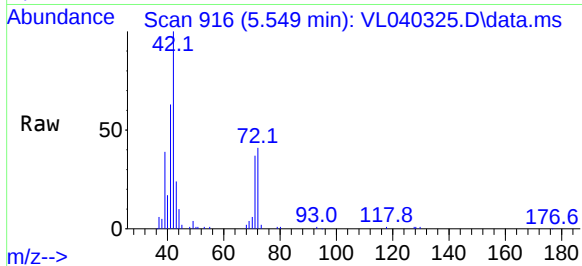




#41
Tetrahydrofuran
Concen: 1.046 ppbv
RT: 5.549 min Scan# 918
Delta R.T. -0.006 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

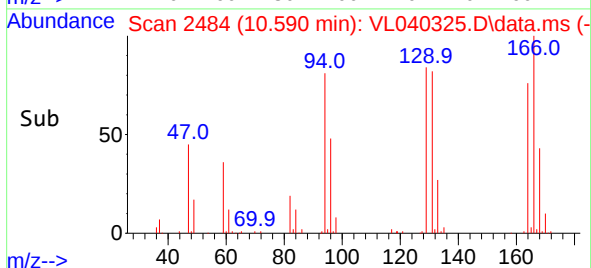
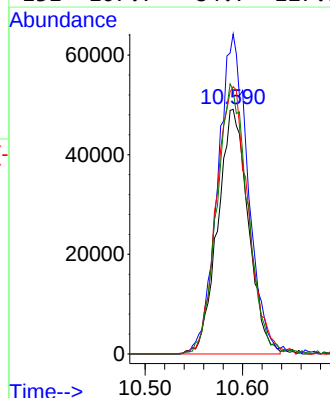
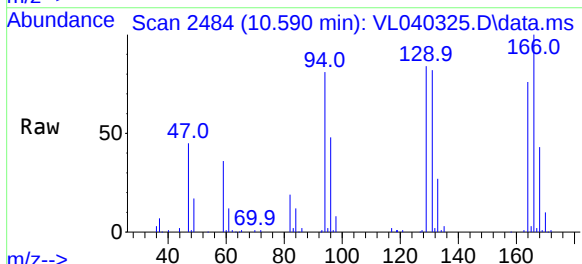
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

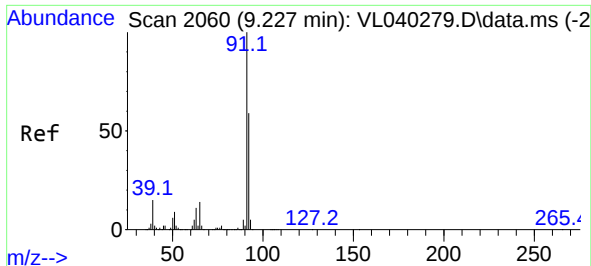
Tgt Ion: 42 Resp: 73781
Ion Ratio Lower Upper
42 100
72 47.8 32.6 49.0
71 47.1 31.0 46.4#



#52
Tetrachloroethene
Concen: 1.871 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. -0.032 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion:164 Resp: 106882
Ion Ratio Lower Upper
164 100
166 130.8 101.8 152.6
129 109.0 90.2 135.2
131 107.7 84.7 127.1

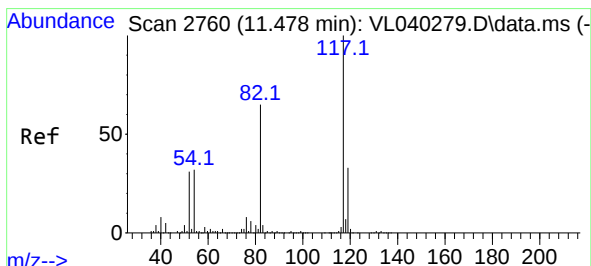
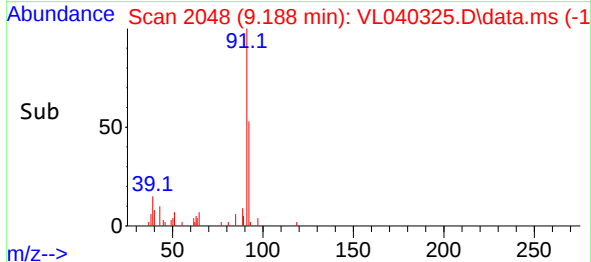
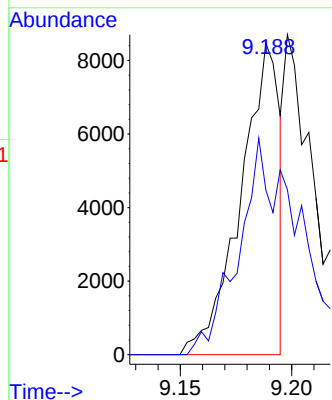
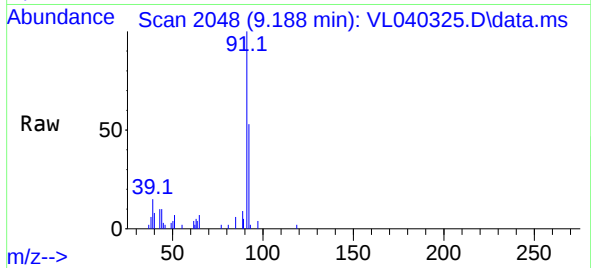




#53
Toluene
Concen: 0.052 ppbv
RT: 9.188 min Scan# 2060
Delta R.T. -0.039 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

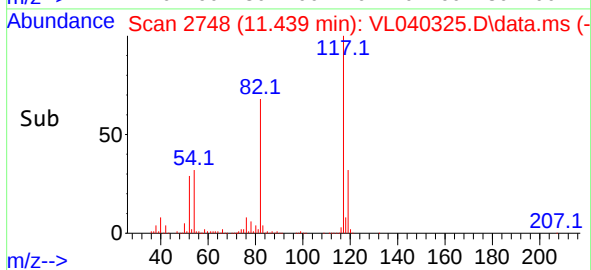
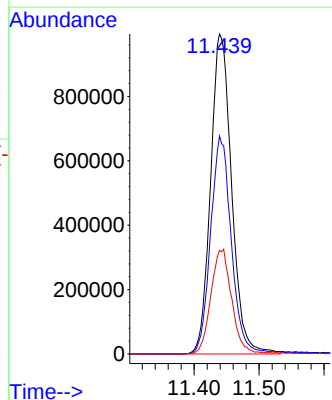
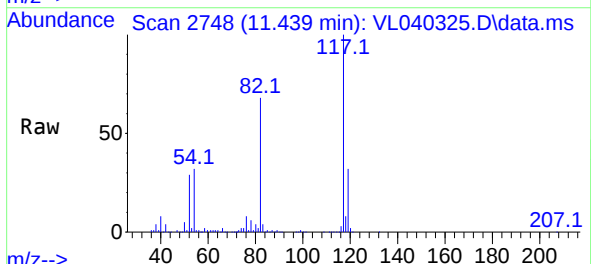
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

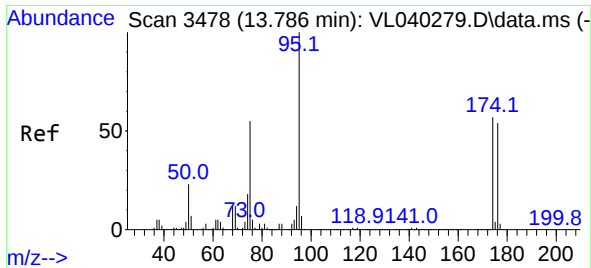
Tgt Ion: 91 Resp: 10286
Ion Ratio Lower Upper
91 100
92 110.1 48.0 72.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. -0.039 min
Lab File: VL040325.D
Acq: 10 Apr 2023 15:09

Tgt Ion: 117 Resp: 2232817
Ion Ratio Lower Upper
117 100
82 67.9 51.4 77.2
119 32.8 24.0 36.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.806 ppbv
 RT: 13.751 min Scan# 34
 Delta R.T. -0.035 min
 Lab File: VL040325.D
 Acq: 10 Apr 2023 15:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tgt Ion: 95 Resp: 1833617
 Ion Ratio Lower Upper
 95 100
 174 59.4 47.0 70.6
 175 4.2 3.4 5.2

