

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041195.D
 Acq On : 2 May 2024 14:35
 Operator : SY/MD
 Sample : P2334-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-SS01-20240425DL

Quant Time: May 03 03:40:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 03 03:34:47 2024
 Response via : Initial Calibration

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

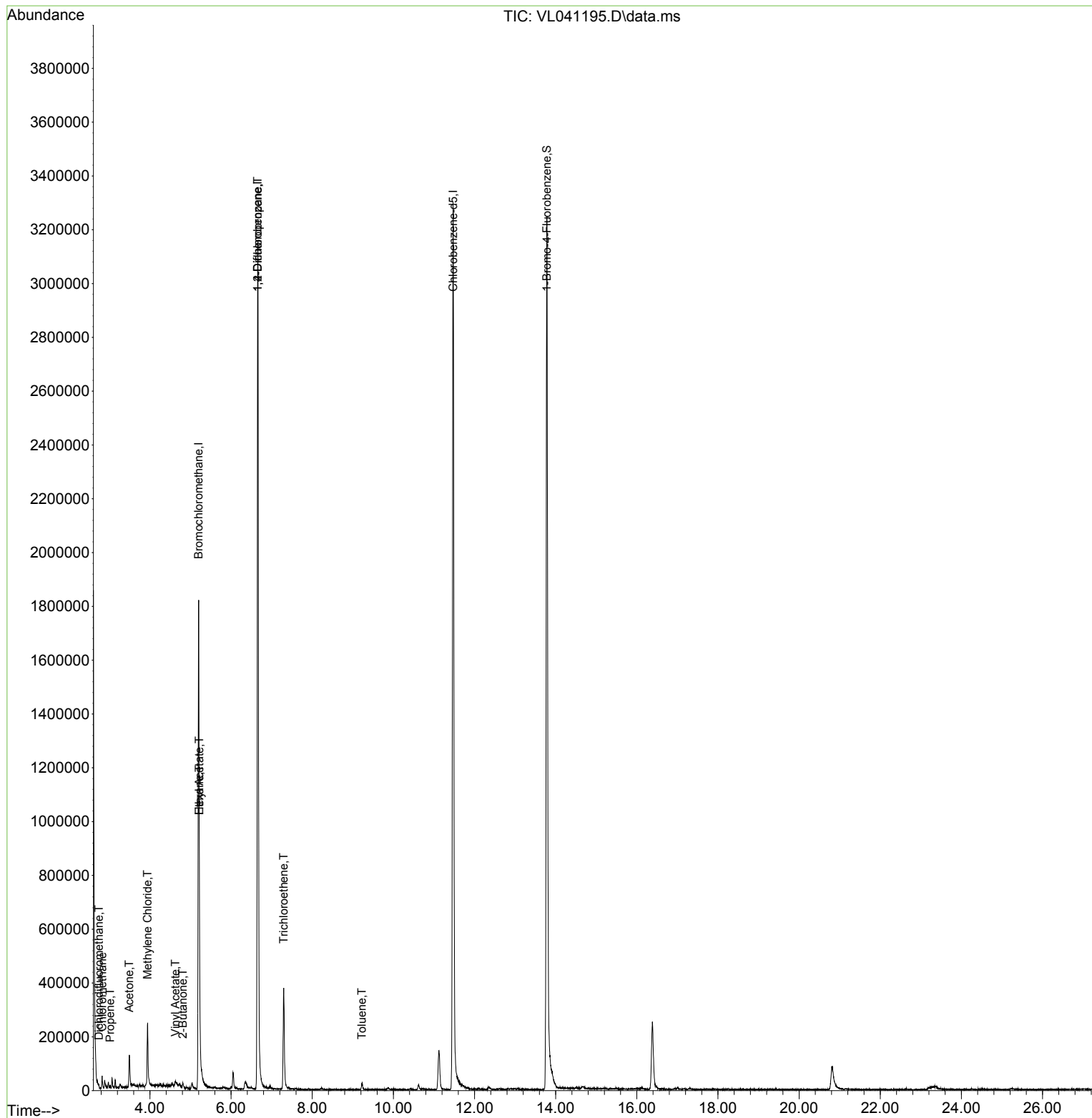
Internal Standards						
1) Bromochloromethane	5.198	49	946100	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2437814	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2210563	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1675540	10.040	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	7985	0.062	ppbv	89
4) Chloromethane	2.822	50	33992	0.603	ppbv #	80
9) Propene	3.021	41	2341	0.042	ppbv	91
15) Acetone	3.488	43	106111	0.950	ppbv	99
20) Methylene Chloride	3.941	84	75675	1.949	ppbv	94
23) Vinyl Acetate	4.629	43	18168	0.148	ppbv #	90
25) Ethyl Acetate	5.217	43	66299	0.297	ppbv #	84
26) Hexane	5.217	57	45740	0.460	ppbv #	41
34) 2-Butanone	4.809	43	23489	0.189	ppbv	94
38) Trichloroethene	7.298	130	117525	1.542	ppbv	94
39) 1,2-Dichloropropane	6.658	63	625844	7.938	ppbv #	23
53) Toluene	9.224	91	14470	0.061	ppbv	94

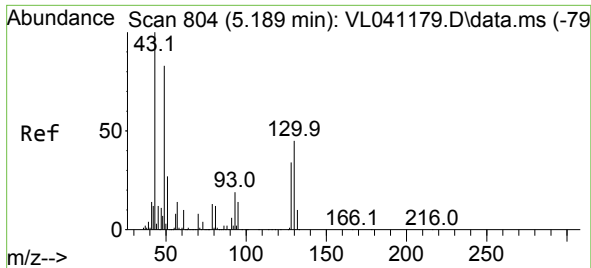
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 03 03:40:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.198 min Scan# 80

Delta R.T. 0.006 min

Lab File: VL041195.D

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MSVOA_L

ClientSampleId :

BA-20-SS01-20240425DL

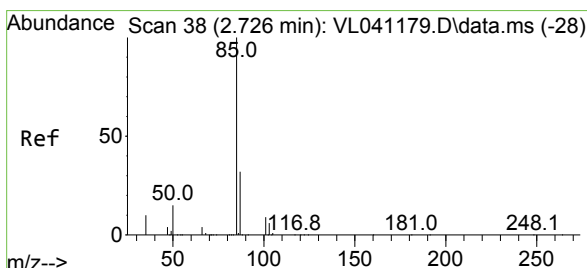
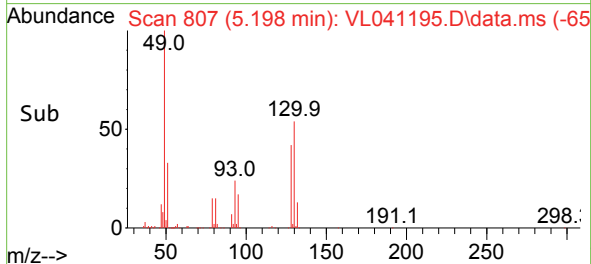
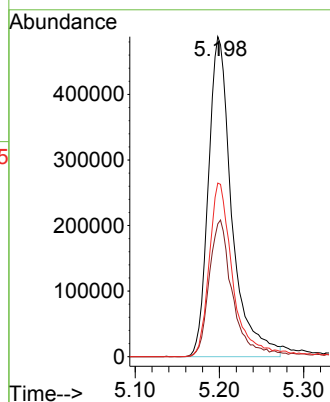
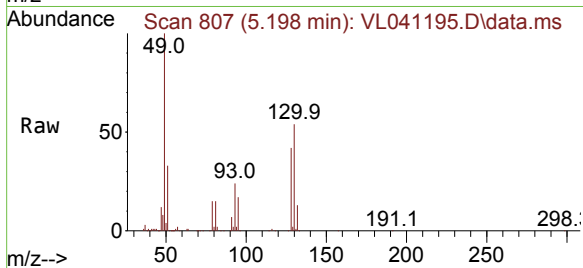
Tgt Ion: 49 Resp: 946100

Ion Ratio Lower Upper

49 100

128 44.6 21.5 64.5

130 55.8 27.2 81.6



#2

Dichlorodifluoromethane

Concen: 0.062 ppbv

RT: 2.742 min Scan# 43

Delta R.T. 0.013 min

Lab File: VL041195.D

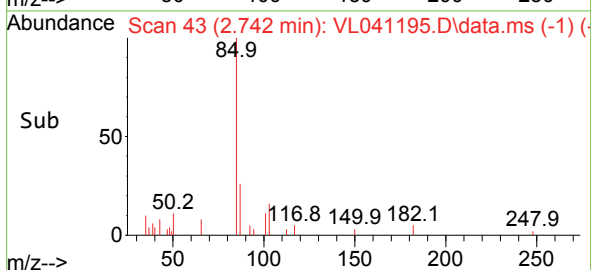
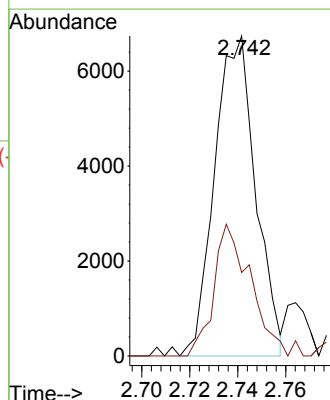
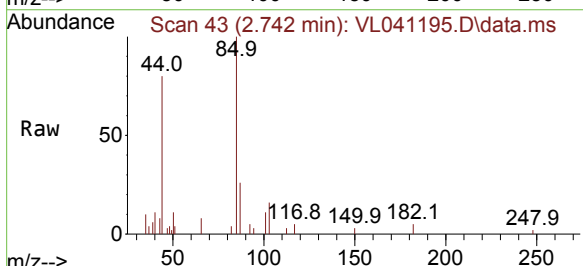
Acq: 2 May 2024 14:35

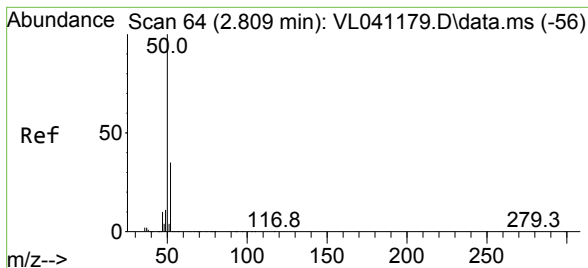
Tgt Ion: 85 Resp: 7985

Ion Ratio Lower Upper

85 100

87 26.1 25.7 38.5





#4

Chloromethane

Concen: 0.603 ppbv

RT: 2.822 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL041195.D

Acq: 2 May 2024 14:35

Instrument :

MSVOA_L

ClientSampleId :

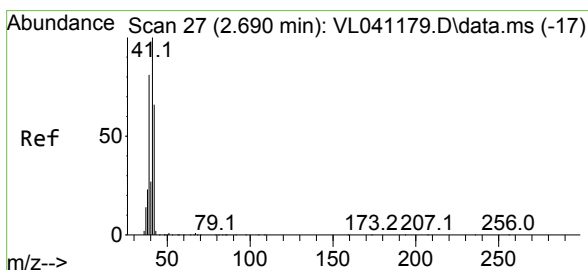
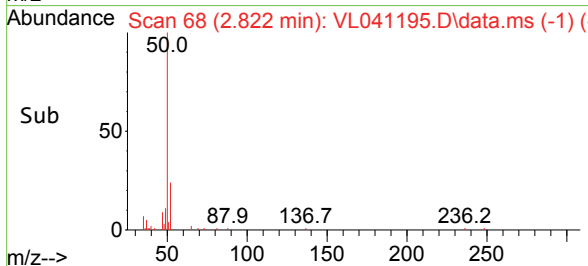
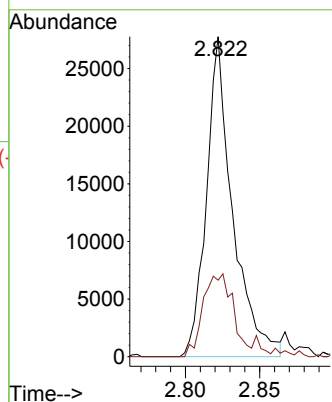
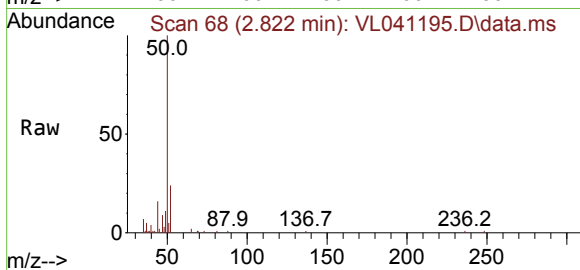
BA-20-SS01-20240425DL

Tgt Ion: 50 Resp: 33992

Ion Ratio Lower Upper

50 100

52 23.9 28.3 42.5#



#9

Propene

Concen: 0.042 ppbv

RT: 3.021 min Scan# 130

Delta R.T. 0.328 min

Lab File: VL041195.D

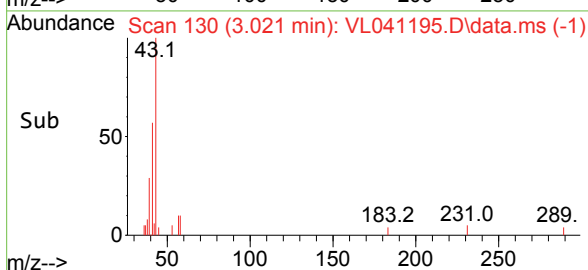
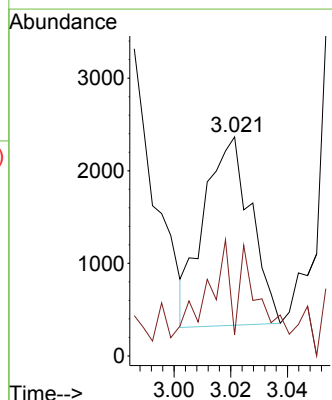
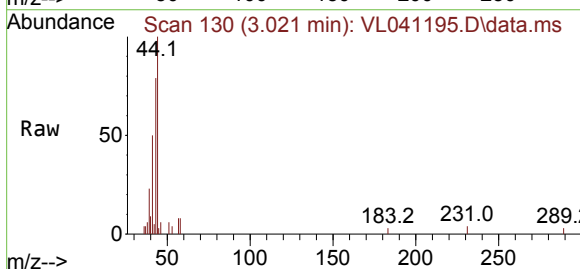
Acq: 2 May 2024 14:35

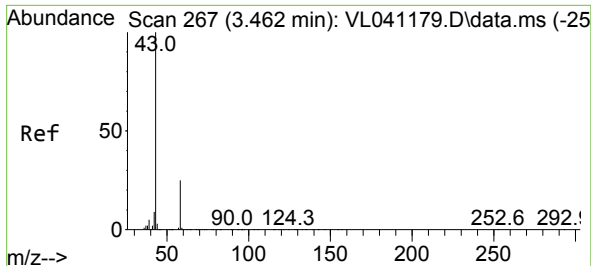
Tgt Ion: 41 Resp: 2341

Ion Ratio Lower Upper

41 100

42 76.6 55.3 82.9





#15

Acetone

Concen: 0.950 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.022 min

Lab File: VL041195.D

Acq: 2 May 2024 14:35

Instrument :

MSVOA_L

ClientSampleId :

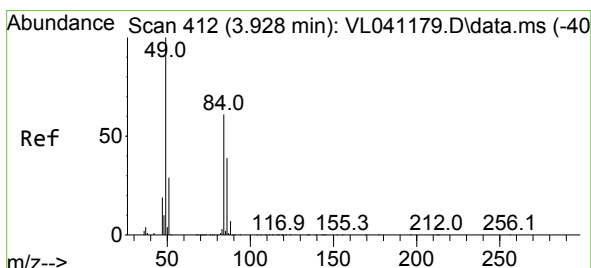
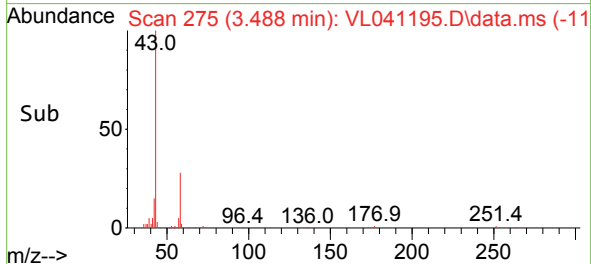
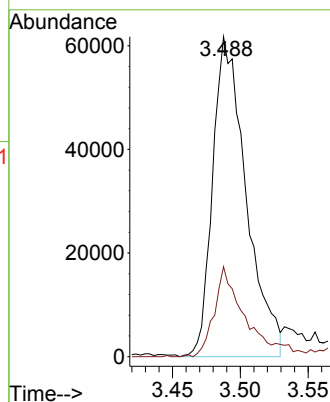
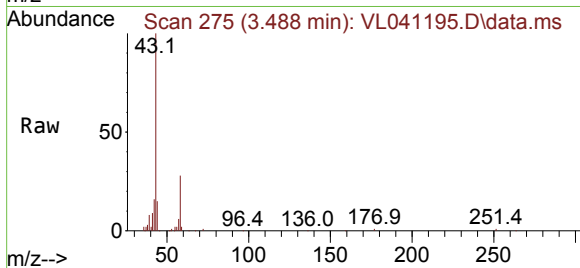
BA-20-SS01-20240425DL

Tgt Ion: 43 Resp: 106111

Ion Ratio Lower Upper

43 100

58 26.2 21.4 32.0



#20

Methylene Chloride

Concen: 1.949 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.010 min

Lab File: VL041195.D

Acq: 2 May 2024 14:35

Tgt Ion: 84 Resp: 75675

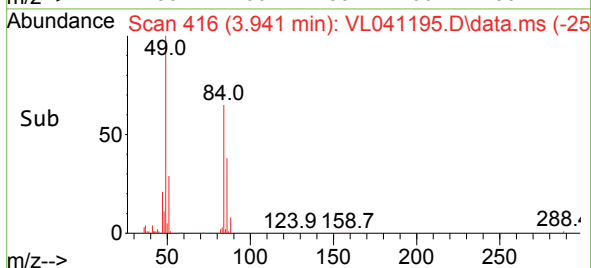
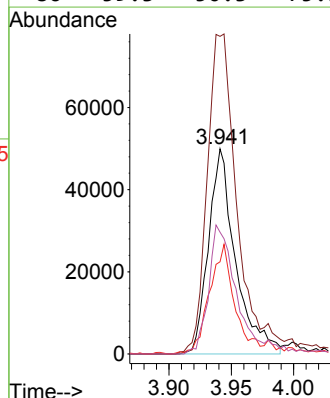
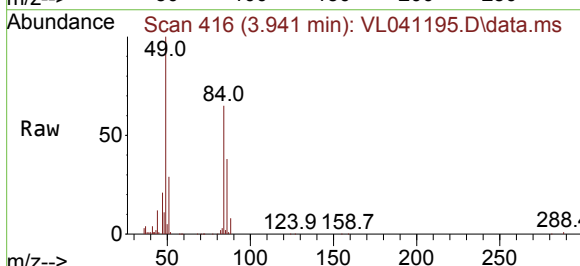
Ion Ratio Lower Upper

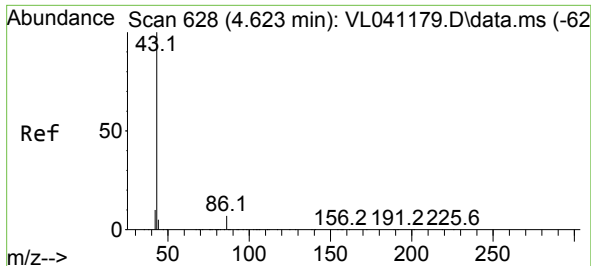
84 100

49 153.8 130.4 195.6

51 43.9 38.0 57.0

86 59.3 50.3 75.5

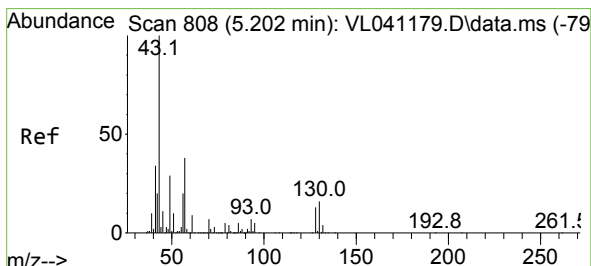
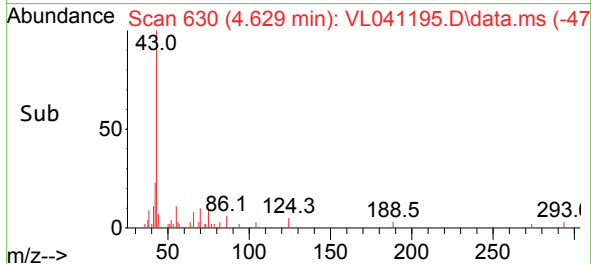
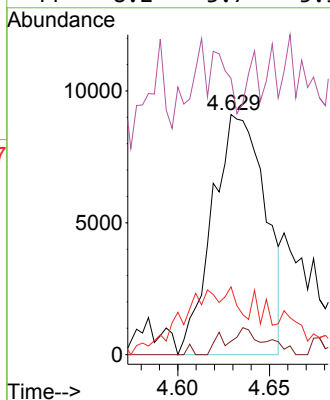
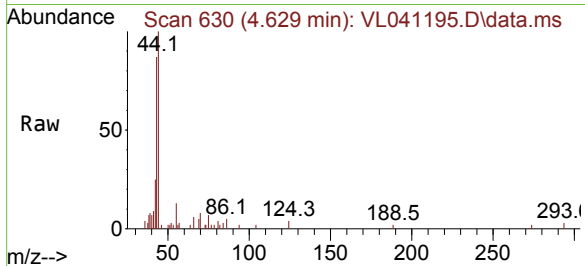




#23
 Vinyl Acetate
 Concen: 0.148 ppbv
 RT: 4.629 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041195.D
 Acq: 2 May 2024 14:35

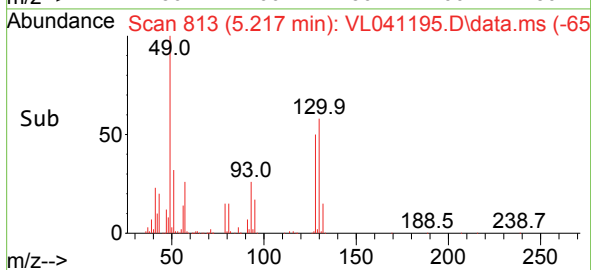
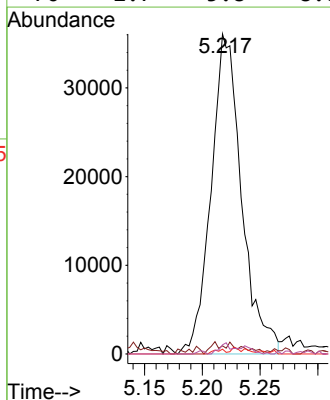
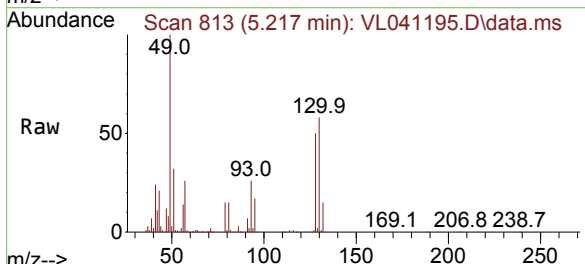
Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-SS01-20240425DL

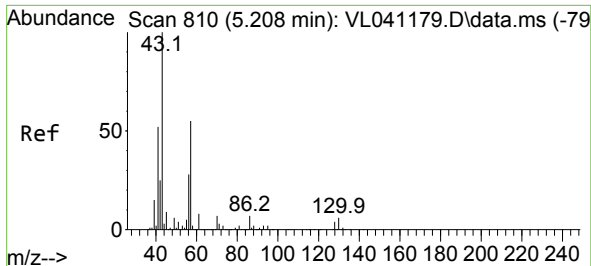
Tgt Ion:	43	Resp:	18168
Ion	Ratio	Lower	Upper
43	100		
86	5.6	4.9	7.3
42	15.3	8.0	12.0#
44	8.2	3.7	5.5#



#25
 Ethyl Acetate
 Concen: 0.297 ppbv
 RT: 5.217 min Scan# 813
 Delta R.T. 0.016 min
 Lab File: VL041195.D
 Acq: 2 May 2024 14:35

Tgt Ion:	43	Resp:	66299
Ion	Ratio	Lower	Upper
43	100		
45	5.1	8.2	12.2#
61	1.9	7.7	11.5#
70	2.7	5.8	8.6#

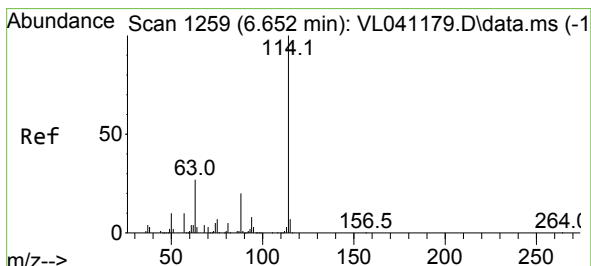
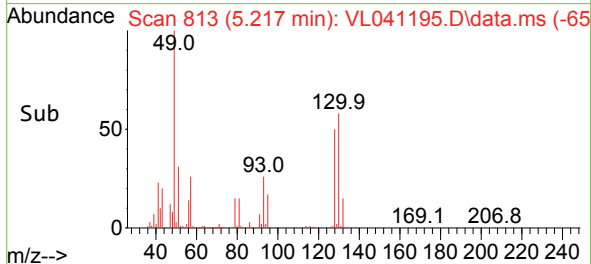
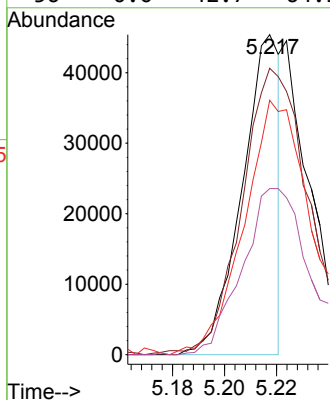
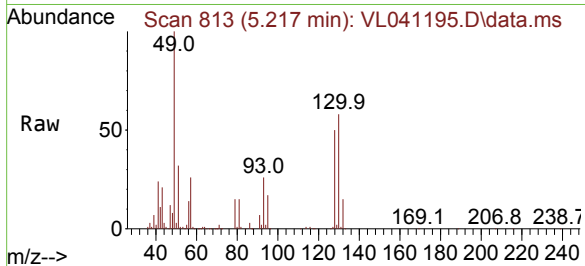




#26
Hexane
Concen: 0.460 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041195.D
Acq: 2 May 2024 14:35

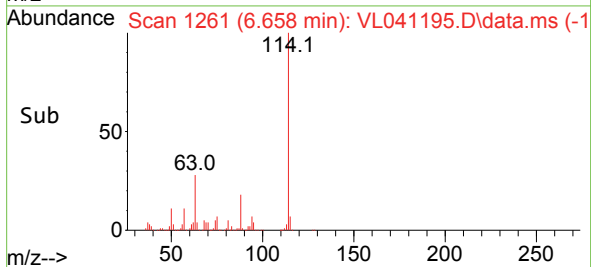
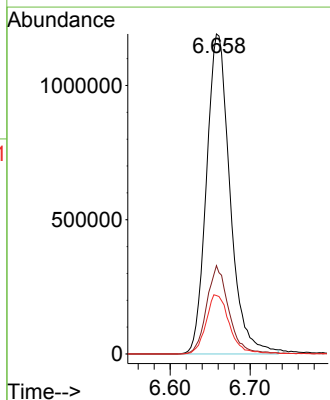
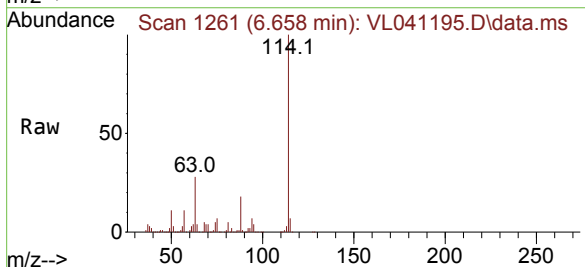
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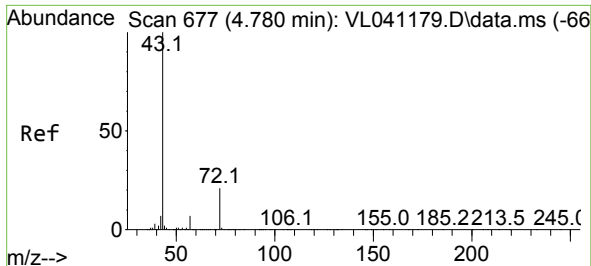
Tgt Ion: 57 Resp: 45740
Ion Ratio Lower Upper
57 100
41 167.4 75.8 113.8#
43 150.8 187.0 280.4#
56 0.0 42.7 64.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.006 min
Lab File: VL041195.D
Acq: 2 May 2024 14:35

Tgt Ion: 114 Resp: 2437814
Ion Ratio Lower Upper
114 100
63 26.3 21.8 32.6
88 18.6 15.2 22.8

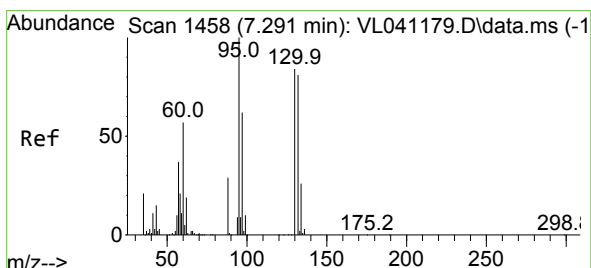
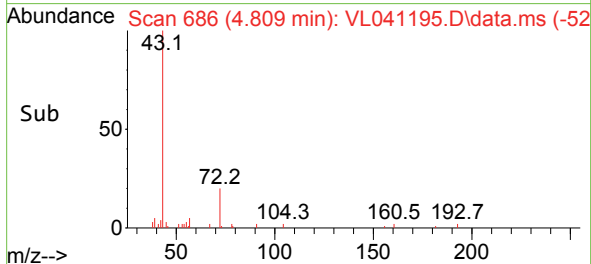
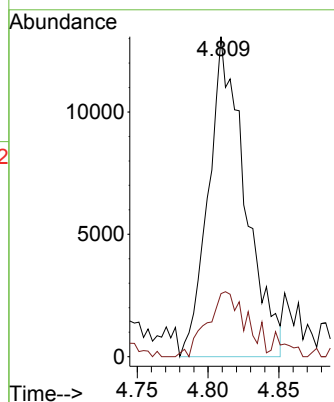
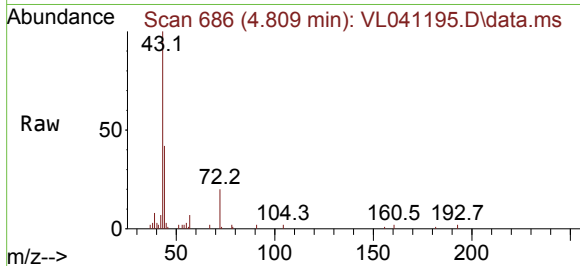




#34
2-Butanone
Concen: 0.189 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL041195.D
Acq: 2 May 2024 14:35

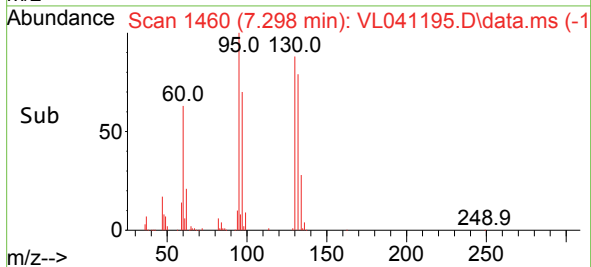
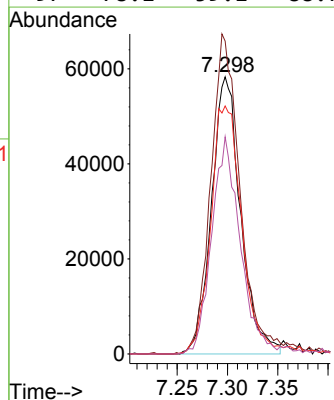
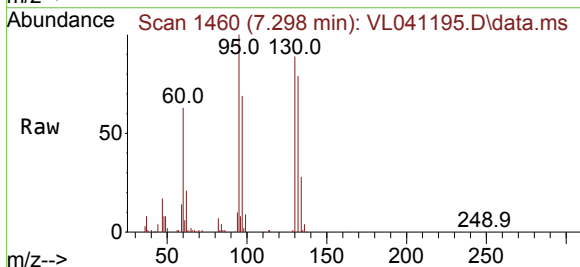
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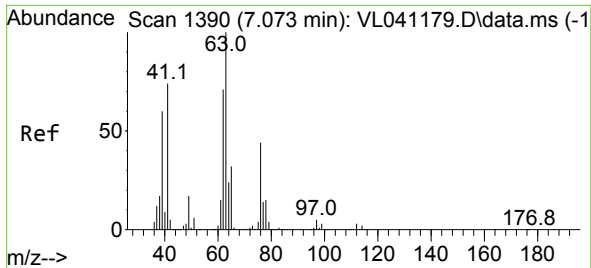
Tgt Ion: 43 Resp: 23489
Ion Ratio Lower Upper
43 100
72 24.3 17.3 25.9



#38
Trichloroethene
Concen: 1.542 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.010 min
Lab File: VL041195.D
Acq: 2 May 2024 14:35

Tgt Ion:130 Resp: 117525
Ion Ratio Lower Upper
130 100
95 112.9 95.0 142.6
132 89.1 77.0 115.4
97 78.1 59.1 88.7





#39

1,2-Dichloropropane

Concen: 7.938 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041195.D

Acq: 2 May 2024 14:35

Instrument :

MSVOA_L

ClientSampleId :

BA-20-SS01-20240425DL

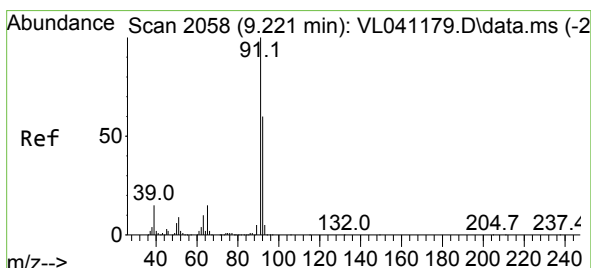
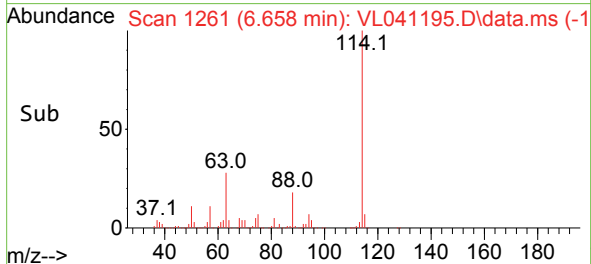
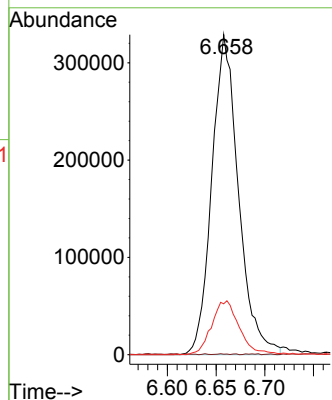
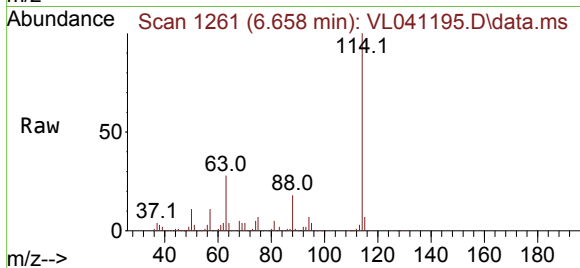
Tgt Ion: 63 Resp: 625844

Ion Ratio Lower Upper

63 100

41 0.1 59.4 89.0#

62 15.9 56.8 85.2#



#53

Toluene

Concen: 0.061 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. 0.003 min

Lab File: VL041195.D

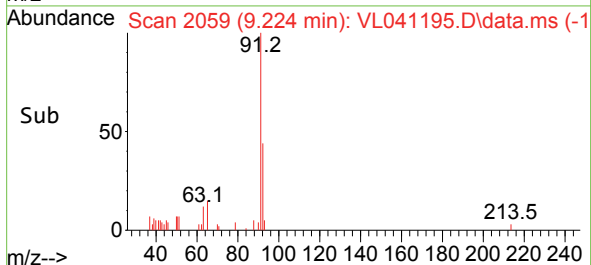
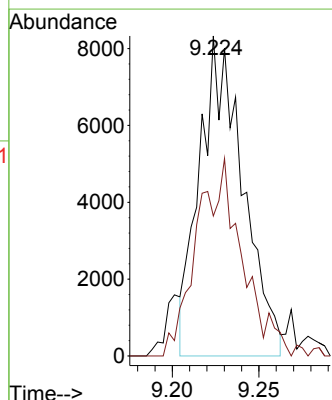
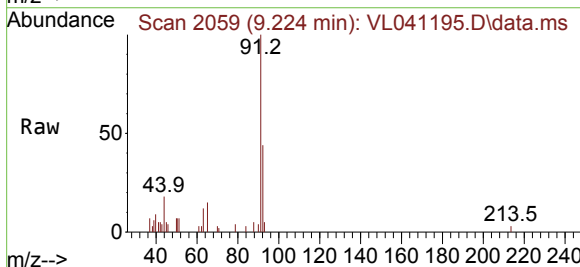
Acq: 2 May 2024 14:35

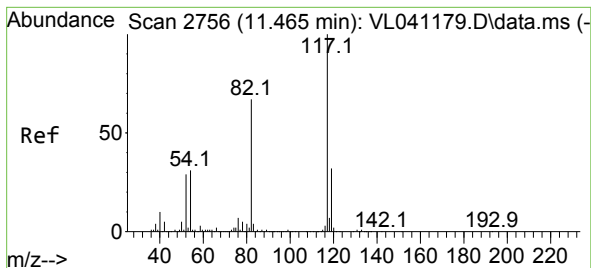
Tgt Ion: 91 Resp: 14470

Ion Ratio Lower Upper

91 100

92 65.0 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041195.D

Acq: 2 May 2024 14:35

Instrument :

MSVOA_L

ClientSampleId :

BA-20-SS01-20240425DL

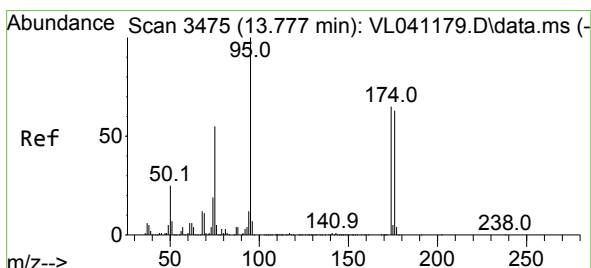
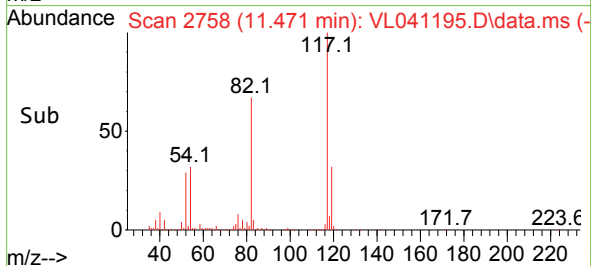
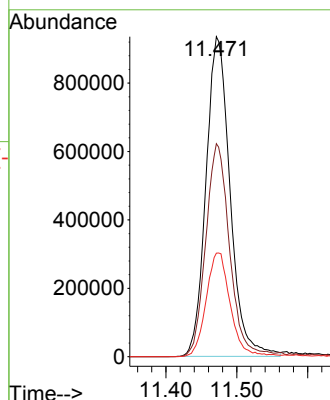
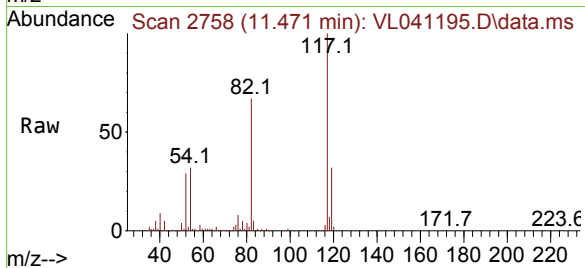
Tgt Ion:117 Resp: 2210563

Ion Ratio Lower Upper

117 100

82 68.2 53.6 80.4

119 32.9 27.2 40.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.040 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.010 min

Lab File: VL041195.D

Acq: 2 May 2024 14:35

Tgt Ion: 95 Resp: 1675540

Ion Ratio Lower Upper

95 100

174 69.6 53.6 80.4

175 4.9 4.2 6.4

