

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041534.D
 Acq On : 12 Aug 2024 13:25
 Operator : SY/MD
 Sample : P3496-05DL2 400X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

Quant Time: Aug 13 02:13:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 13 02:09:20 2024
 Response via : Initial Calibration

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

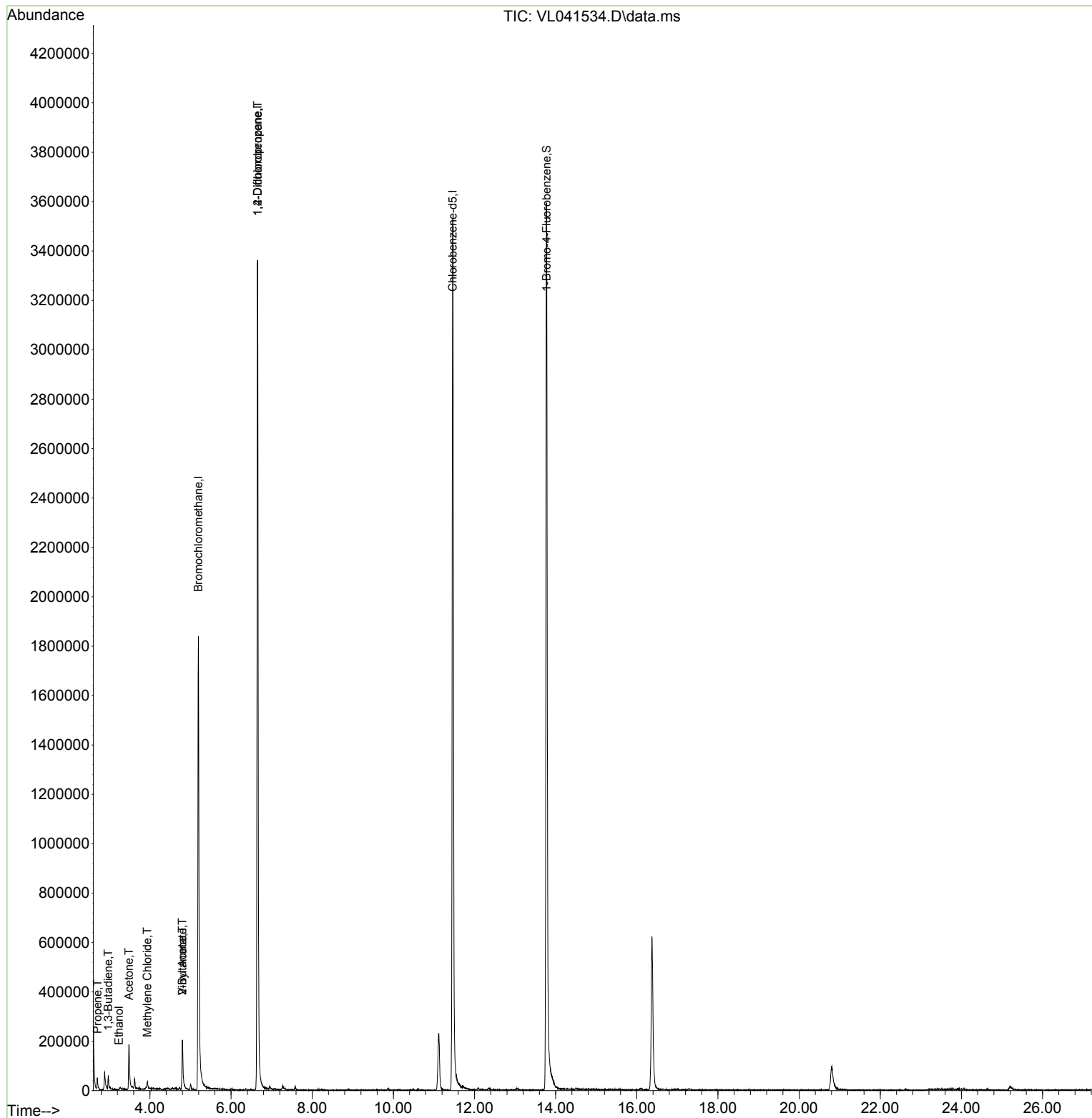
Internal Standards						
1) Bromochloromethane	5.195	49	924253	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2527826	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2336384	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1756282	9.768	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	17385	0.344	ppbv	94
13) Ethanol	3.234	45	194	0.043	ppbv #	41
15) Acetone	3.481	43	202400	1.927	ppbv	90
16) 1,3-Butadiene	2.973	39	14113	0.252	ppbv #	26
20) Methylene Chloride	3.938	84	8579	0.219	ppbv #	92
23) Vinyl Acetate	4.800	43	231526	2.887	ppbv #	91
34) 2-Butanone	4.800	43	231526	1.893	ppbv	97
39) 1,2-Dichloropropane	6.652	63	615043	8.697	ppbv #	25

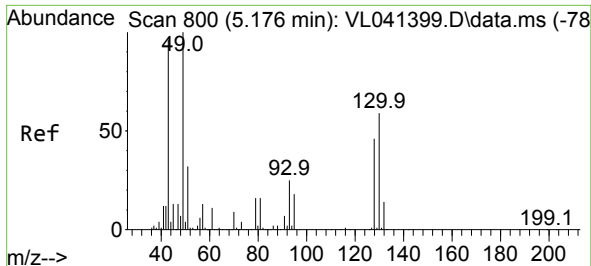
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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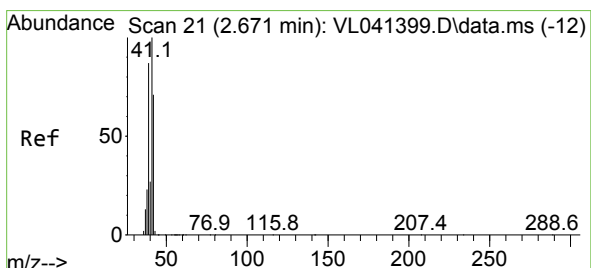
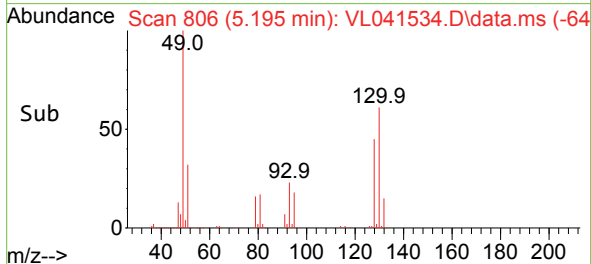
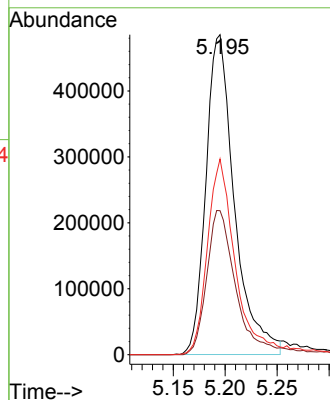
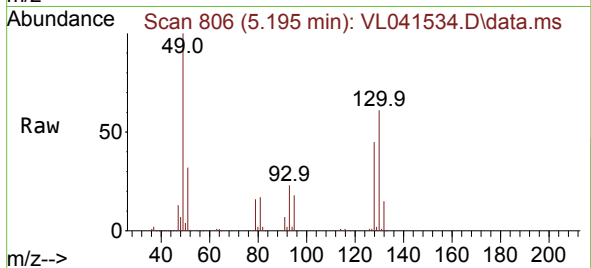




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

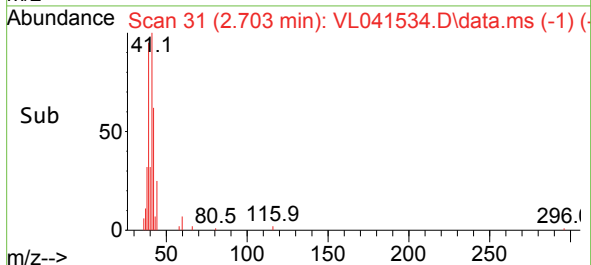
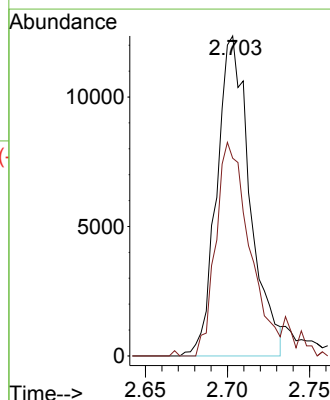
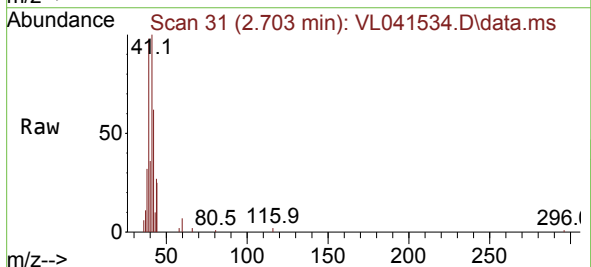
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL2

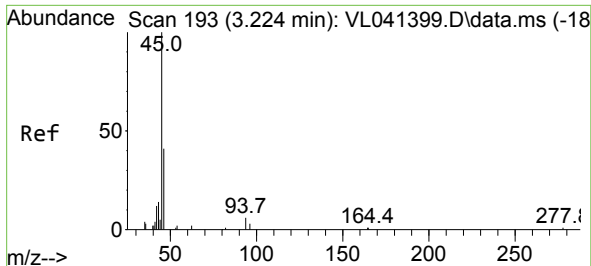
Tgt Ion: 49 Resp: 924253
Ion Ratio Lower Upper
49 100
128 47.7 23.8 71.4
130 62.7 30.8 92.4



#9
Propene
Concen: 0.344 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

Tgt Ion: 41 Resp: 17385
Ion Ratio Lower Upper
41 100
42 75.2 55.9 83.9

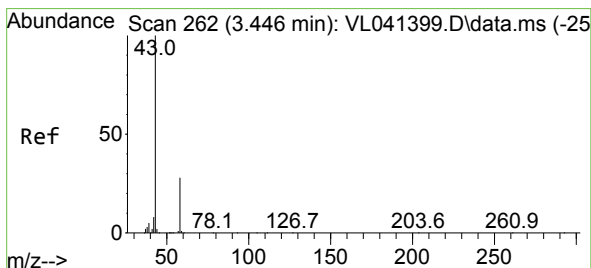
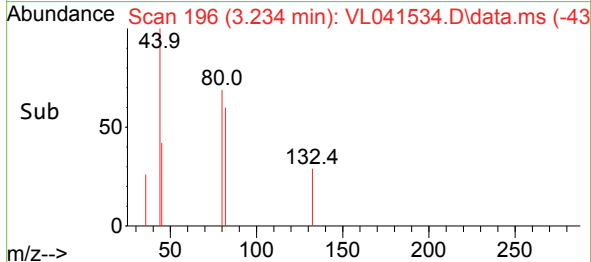
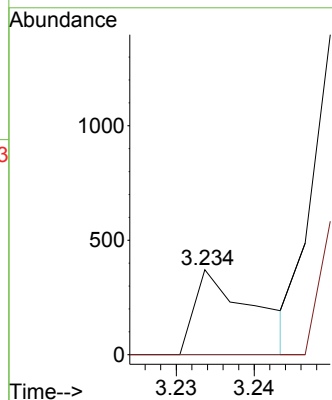
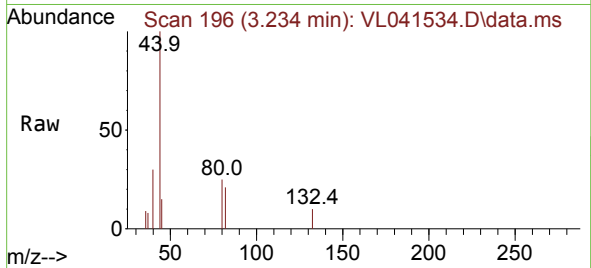




#13
 Ethanol
 Concen: 0.043 ppbv
 RT: 3.234 min Scan# 193
 Delta R.T. -0.010 min
 Lab File: VL041534.D
 Acq: 12 Aug 2024 13:25

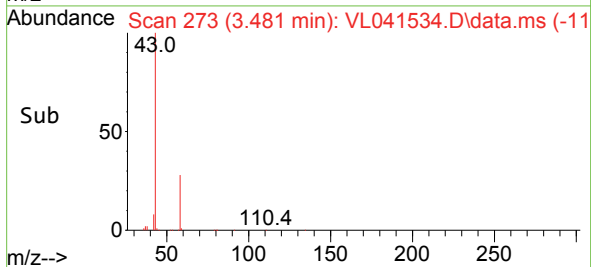
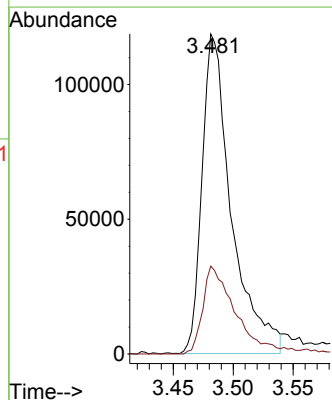
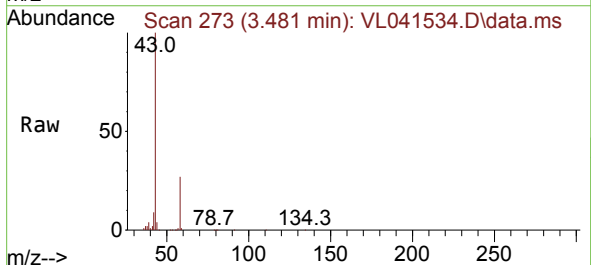
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

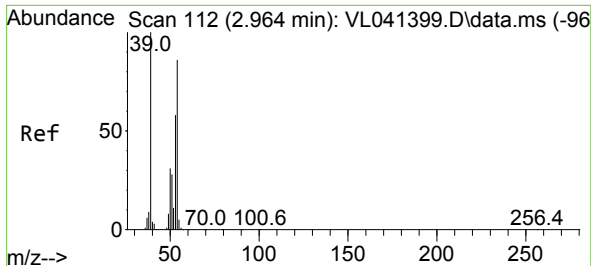
Tgt Ion: 45 Resp: 194
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.4 53.4#



#15
 Acetone
 Concen: 1.927 ppbv
 RT: 3.481 min Scan# 273
 Delta R.T. 0.013 min
 Lab File: VL041534.D
 Acq: 12 Aug 2024 13:25

Tgt Ion: 43 Resp: 202400
 Ion Ratio Lower Upper
 43 100
 58 32.1 21.4 32.2

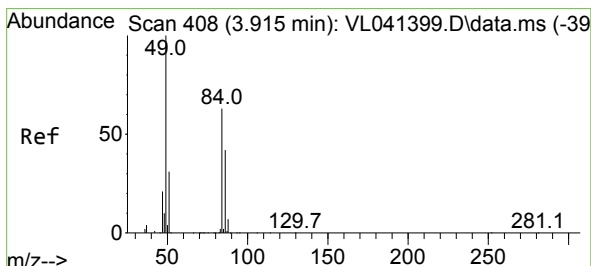
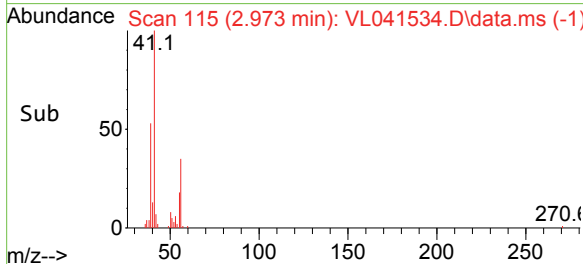
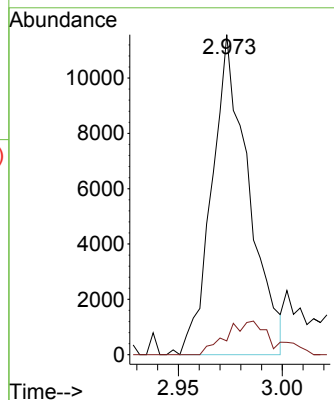
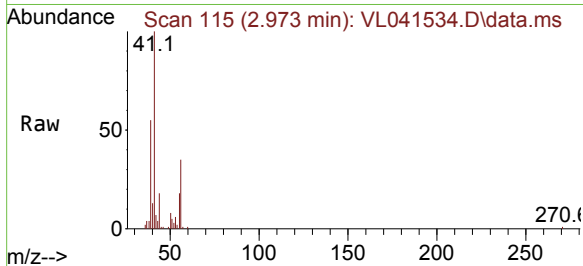




#16
1,3-Butadiene
Concen: 0.252 ppbv
RT: 2.973 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

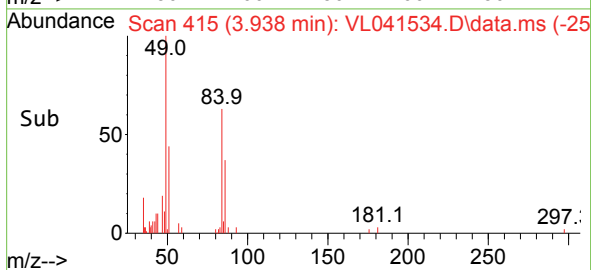
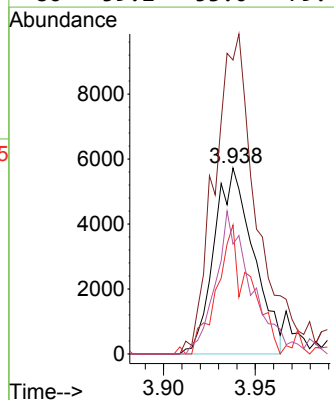
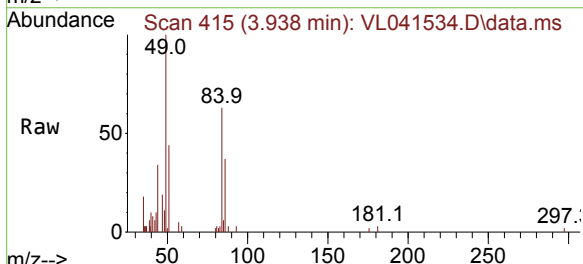
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL2

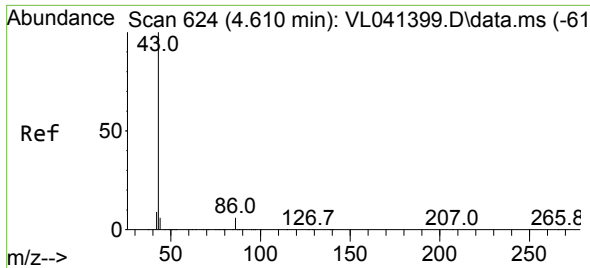
Tgt Ion: 39 Resp: 14113
Ion Ratio Lower Upper
39 100
54 13.5 62.5 93.7#



#20
Methylene Chloride
Concen: 0.219 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.007 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

Tgt Ion: 84 Resp: 8579
Ion Ratio Lower Upper
84 100
49 158.1 126.6 190.0
51 69.4 38.6 58.0#
86 59.2 53.0 79.4



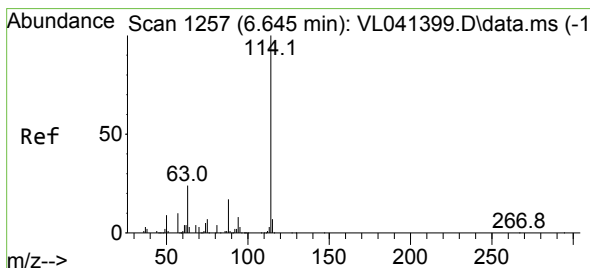
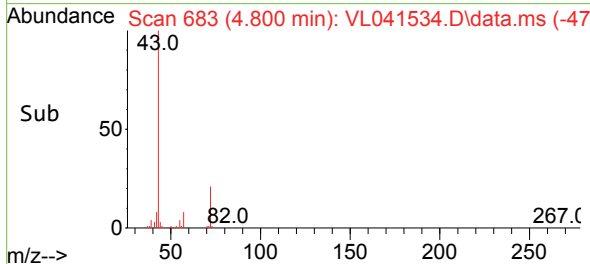
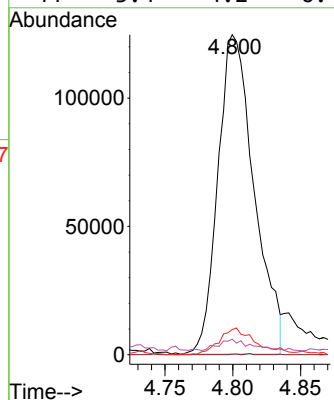
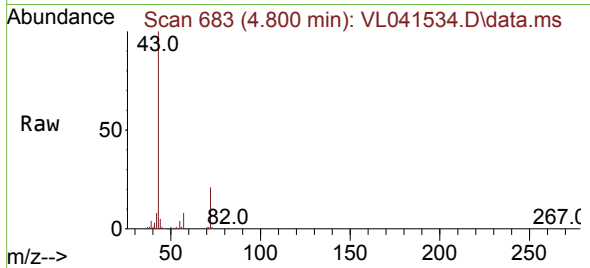


#23
 Vinyl Acetate
 Concen: 2.887 ppbv
 RT: 4.800 min Scan# 61
 Delta R.T. 0.174 min
 Lab File: VL041534.D
 Acq: 12 Aug 2024 13:25

Instrument :
 MSVOA_1
 ClientSampleId :
 SV-4DL2

Tgt Ion: 43 Resp: 231526

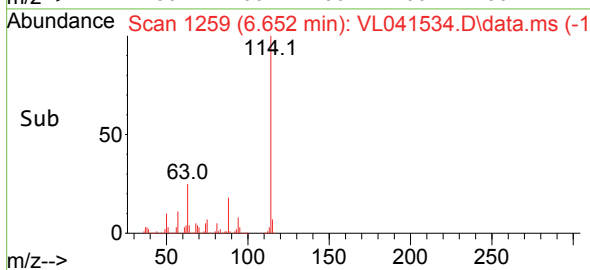
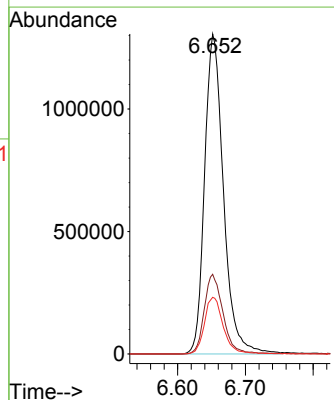
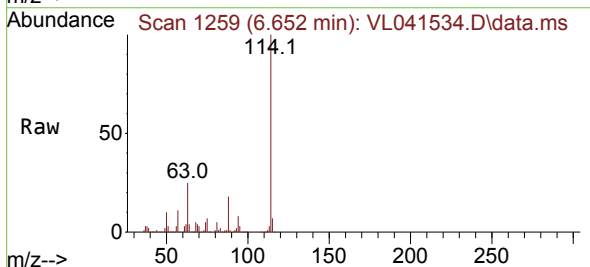
Ion	Ratio	Lower	Upper
43	100		
86	0.1	4.6	6.8#
42	7.8	7.9	11.9#
44	3.4	4.2	6.4#

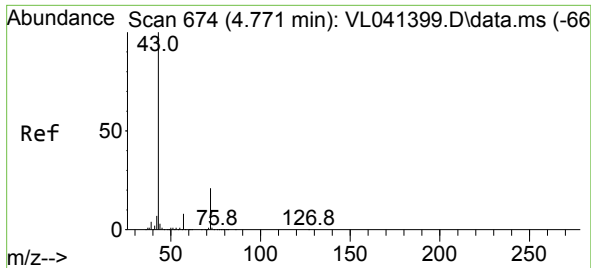


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.652 min Scan# 1259
 Delta R.T. 0.000 min
 Lab File: VL041534.D
 Acq: 12 Aug 2024 13:25

Tgt Ion: 114 Resp: 2527826

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.3	30.5
88	17.8	14.3	21.5

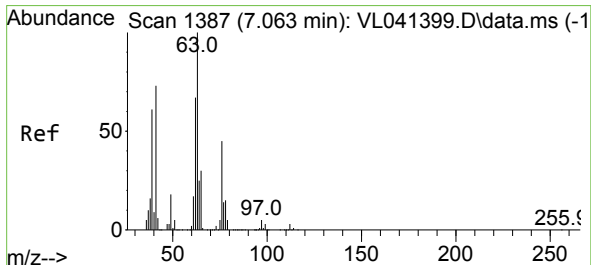
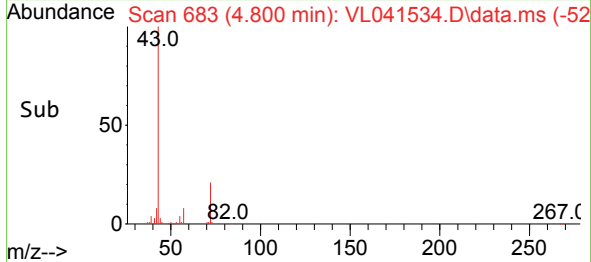
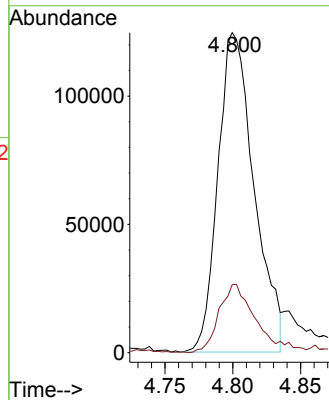
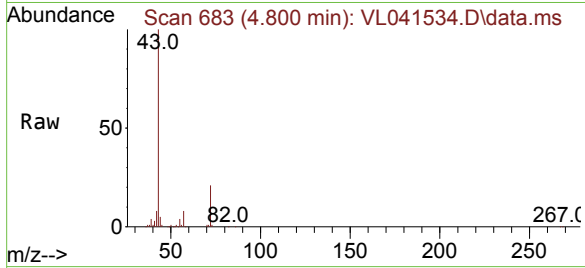




#34
2-Butanone
Concen: 1.893 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

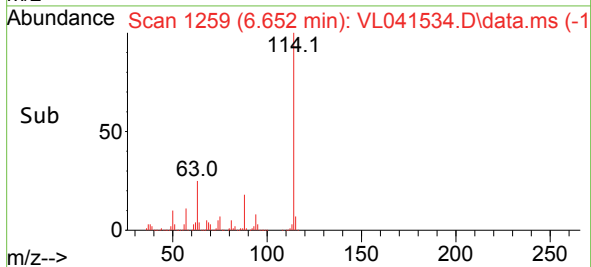
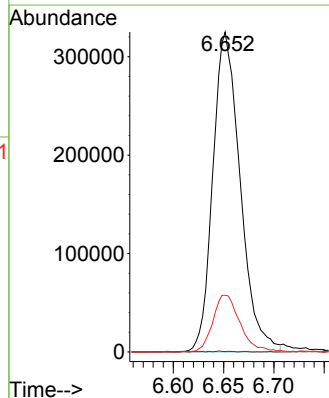
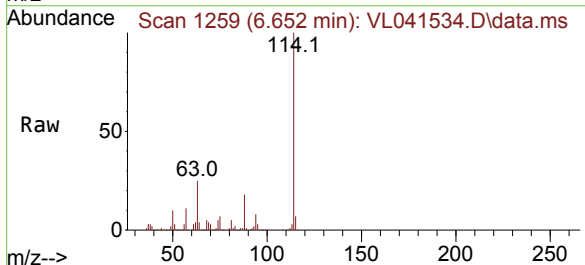
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL2

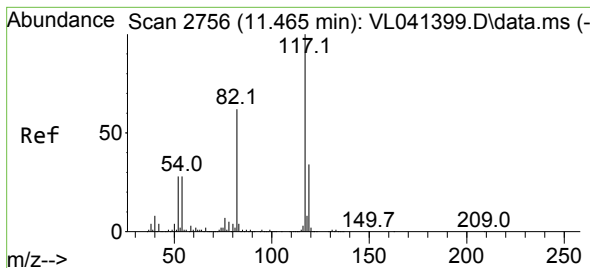
Tgt Ion: 43 Resp: 231526
Ion Ratio Lower Upper
43 100
72 22.9 17.3 25.9



#39
1,2-Dichloropropane
Concen: 8.697 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.421 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

Tgt Ion: 63 Resp: 615043
Ion Ratio Lower Upper
63 100
41 0.2 58.3 87.5#
62 17.7 53.9 80.9#

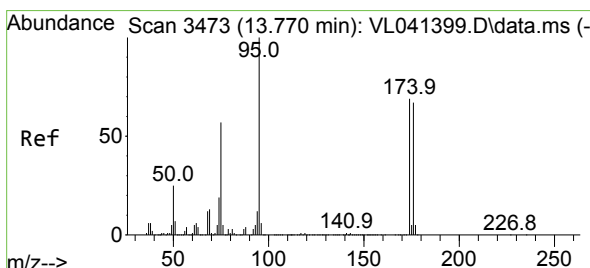
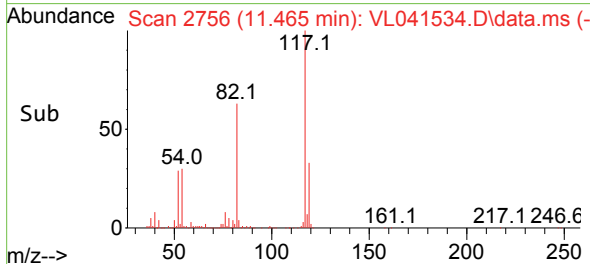
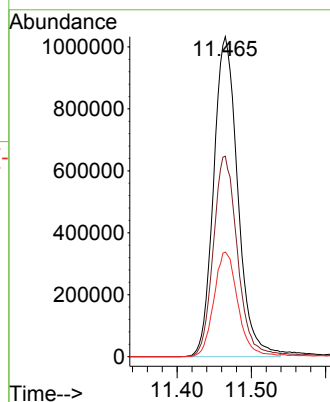
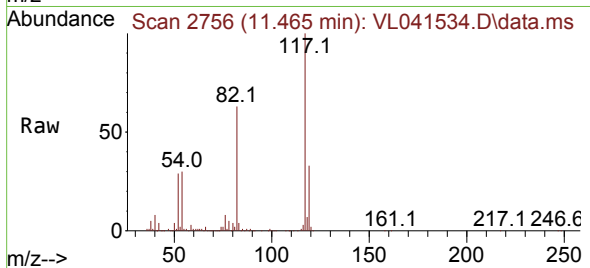




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL2

Tgt Ion:117 Resp: 2336384
Ion Ratio Lower Upper
117 100
82 63.9 51.0 76.6
119 33.3 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.768 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.000 min
Lab File: VL041534.D
Acq: 12 Aug 2024 13:25

Tgt Ion: 95 Resp: 1756282
Ion Ratio Lower Upper
95 100
174 72.1 56.3 84.5
175 5.2 4.0 6.0

