

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041533.D
 Acq On : 12 Aug 2024 12:43
 Operator : SY/MD
 Sample : P3496-05DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Quant Time: Aug 13 02:13:05 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)

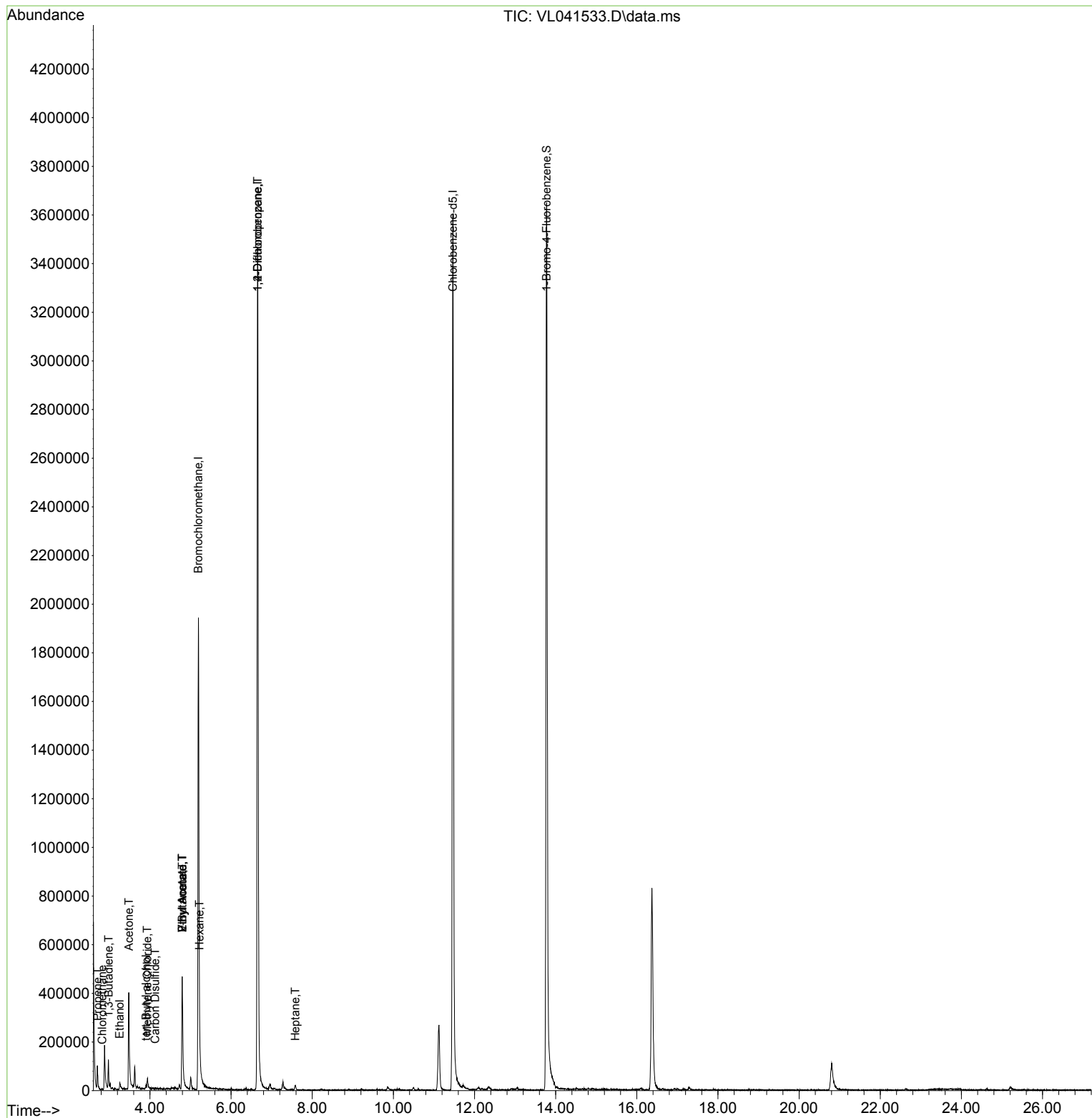
Internal Standards						
1) Bromochloromethane	5.195	49	987322	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2604873	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2415253	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1835768	9.877	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
4) Chloromethane	2.822	50	2508	0.040	ppbv #	77
9) Propene	2.703	41	37994	0.704	ppbv	100
10) Heptane	7.584	43	4382	0.036	ppbv #	57
13) Ethanol	3.256	45	22364	4.634	ppbv #	62
15) Acetone	3.481	43	420583	3.749	ppbv	91
16) 1,3-Butadiene	2.980	39	27696	0.462	ppbv #	24
17) tert-Butyl alcohol	3.902	59	3377	0.033	ppbv #	16
20) Methylene Chloride	3.935	84	12434	0.297	ppbv	83
23) Vinyl Acetate	4.796	43	587198	6.854	ppbv #	90
25) Ethyl Acetate	4.796	43	587198	2.635	ppbv #	75
26) Hexane	5.221	57	3442	0.037	ppbv #	1
27) Carbon Disulfide	4.131	76	3600	0.033	ppbv #	66
34) 2-Butanone	4.796	43	587198	4.660	ppbv	100
39) 1,2-Dichloropropane	6.655	63	635187	8.717	ppbv #	25

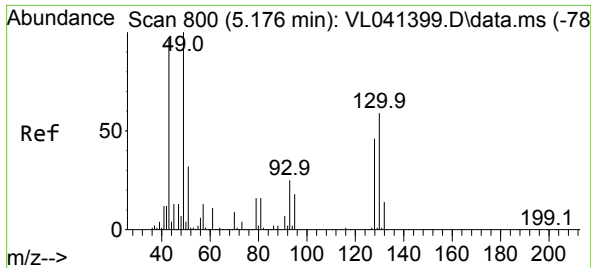
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

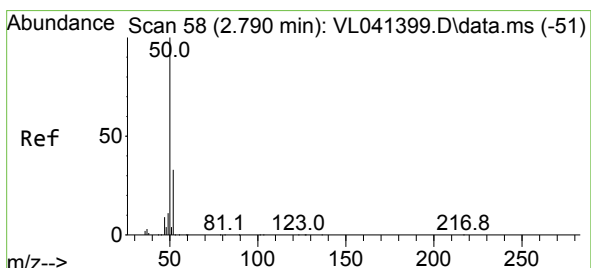
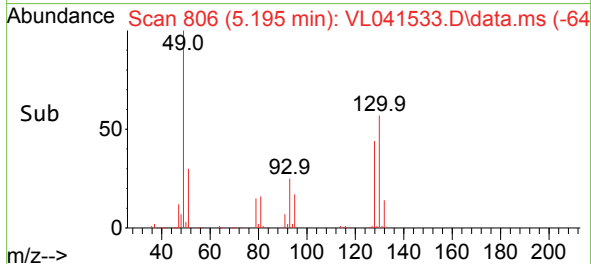
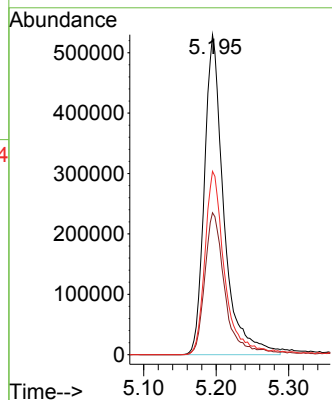
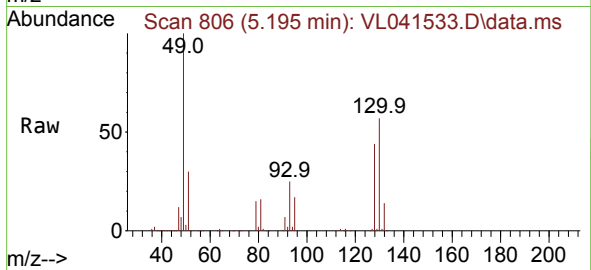




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

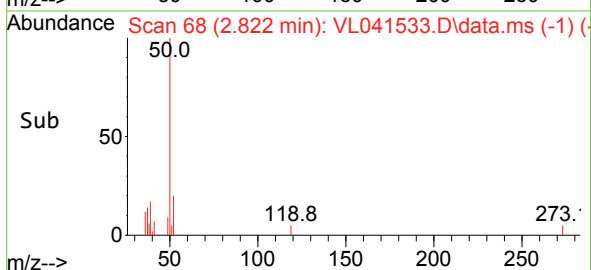
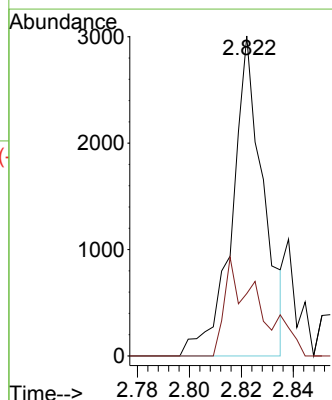
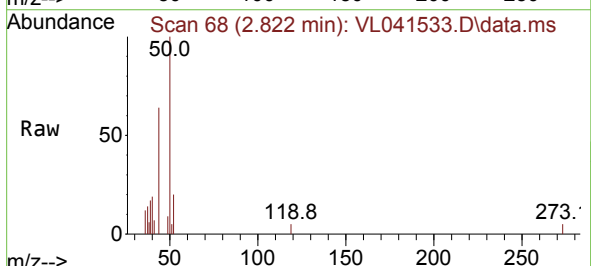
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

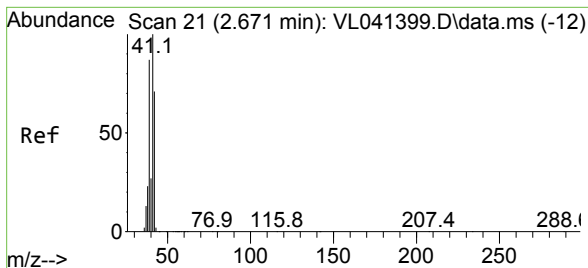
Tgt Ion: 49 Resp: 987322
Ion Ratio Lower Upper
49 100
128 46.7 23.8 71.4
130 59.8 30.8 92.4



#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion: 50 Resp: 2508
Ion Ratio Lower Upper
50 100
52 19.5 26.1 39.1#





#9

Propene

Concen: 0.704 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041533.D

Acq: 12 Aug 2024 12:43

Instrument :

MSVOA_L

ClientSampleId :

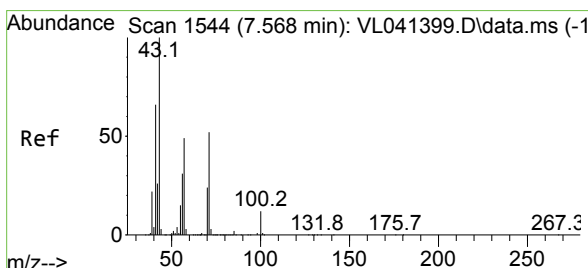
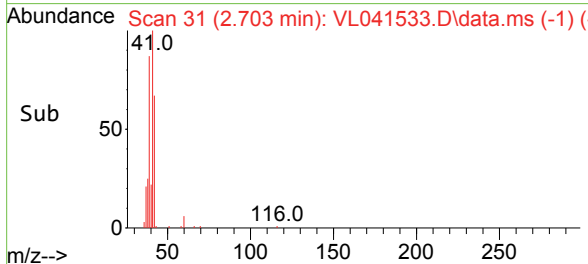
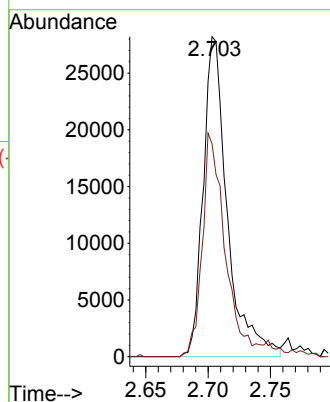
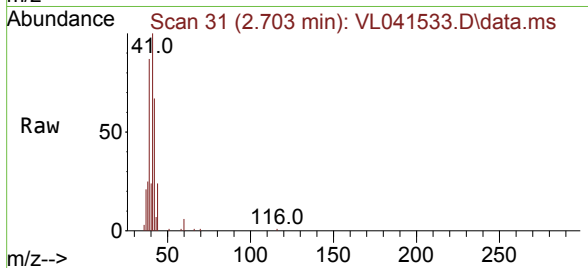
SV-4DL

Tgt Ion: 41 Resp: 37994

Ion Ratio Lower Upper

41 100

42 69.8 55.9 83.9



#10

Heptane

Concen: 0.036 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.006 min

Lab File: VL041533.D

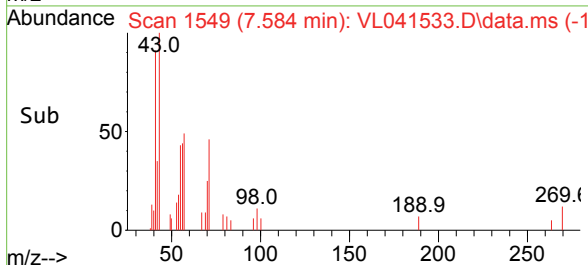
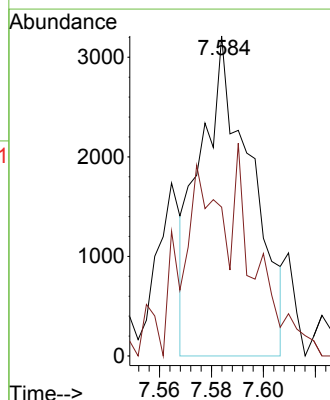
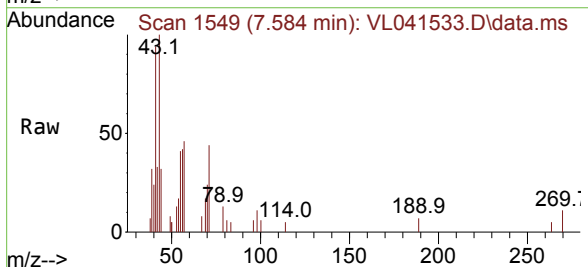
Acq: 12 Aug 2024 12:43

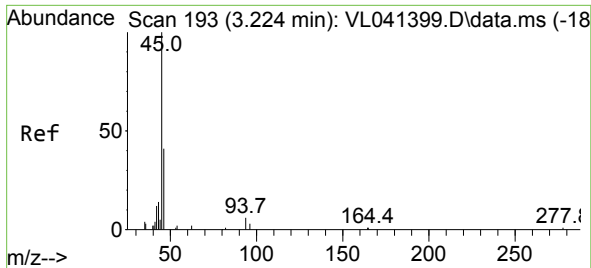
Tgt Ion: 43 Resp: 4382

Ion Ratio Lower Upper

43 100

57 80.5 40.5 60.7#

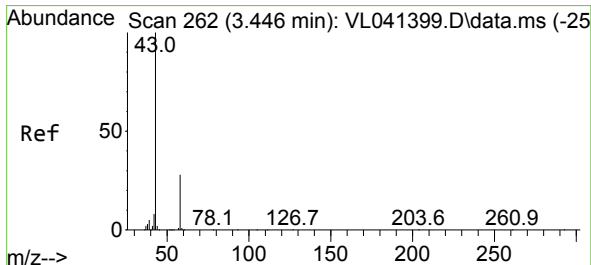
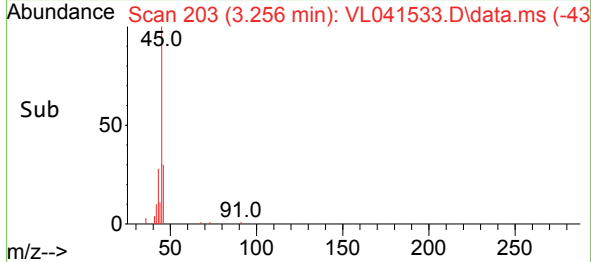
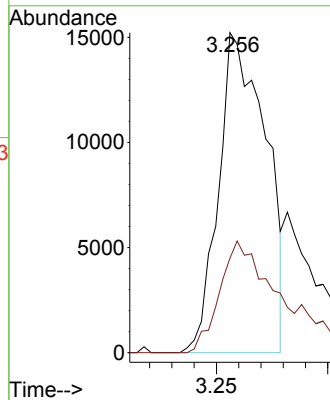
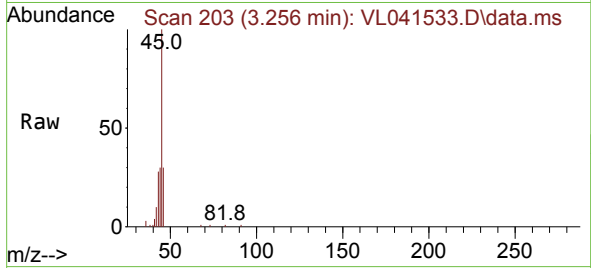




#13
Ethanol
Concen: 4.634 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.013 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

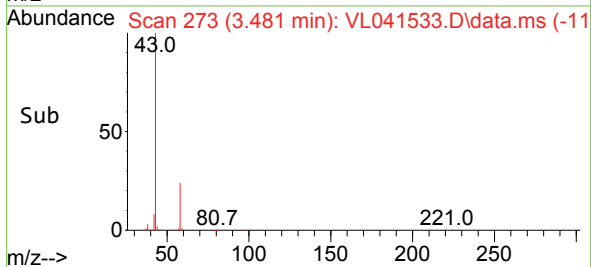
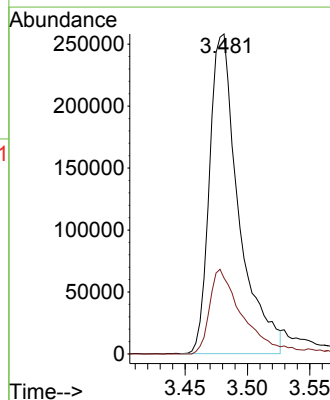
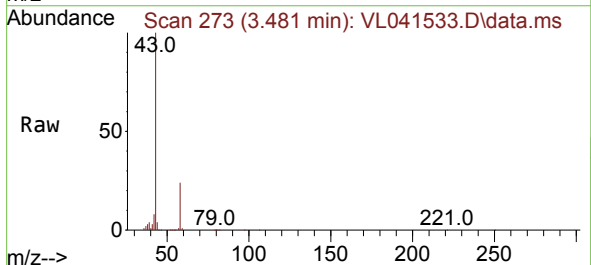
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

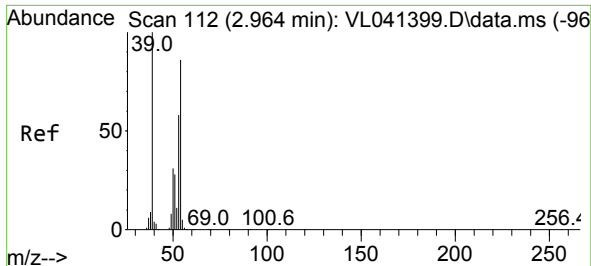
Tgt Ion: 45 Resp: 22364
Ion Ratio Lower Upper
45 100
46 55.2 13.4 53.4#



#15
Acetone
Concen: 3.749 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.013 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion: 43 Resp: 420583
Ion Ratio Lower Upper
43 100
58 31.5 21.4 32.2

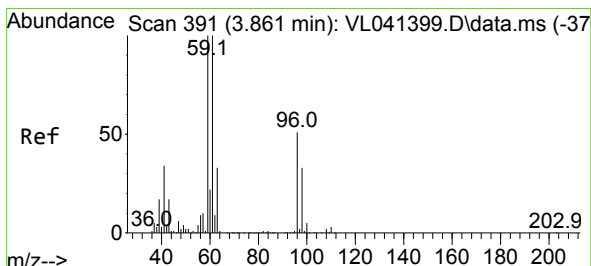
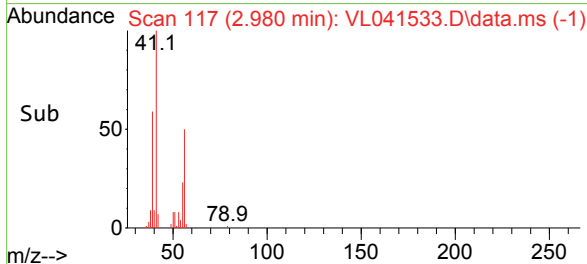
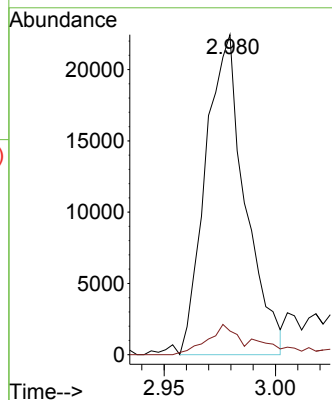
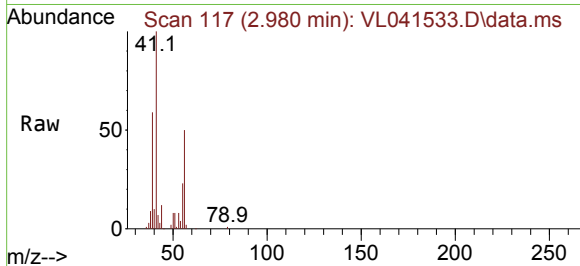




#16
1,3-Butadiene
Concen: 0.462 ppbv
RT: 2.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

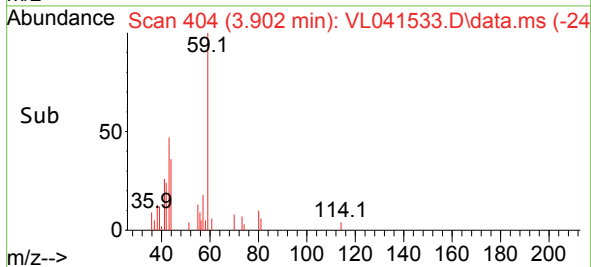
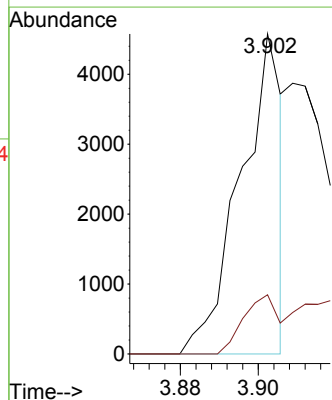
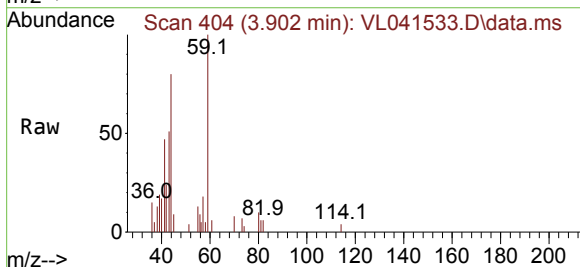
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

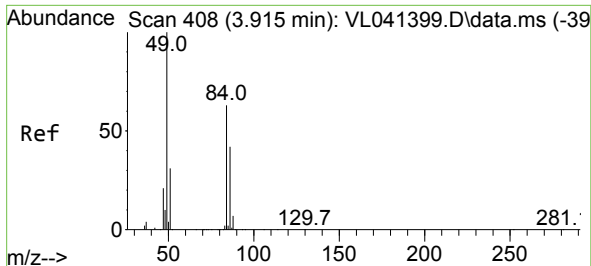
Tgt Ion: 39 Resp: 27696
Ion Ratio Lower Upper
39 100
54 12.0 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.033 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.026 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion: 59 Resp: 3377
Ion Ratio Lower Upper
59 100
57 42.5 8.6 12.8#

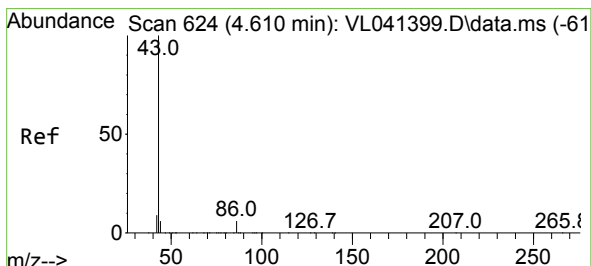
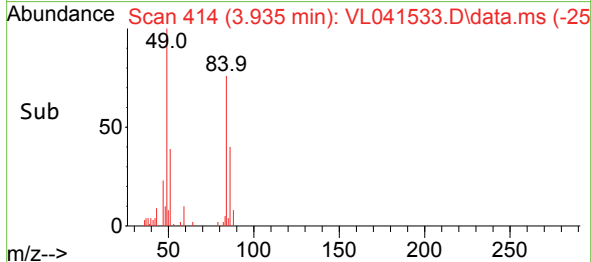
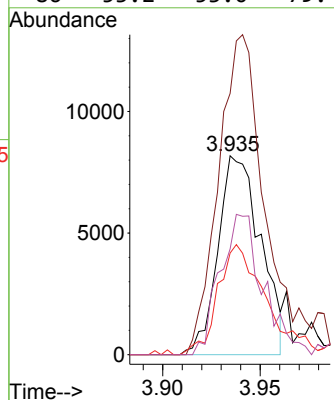
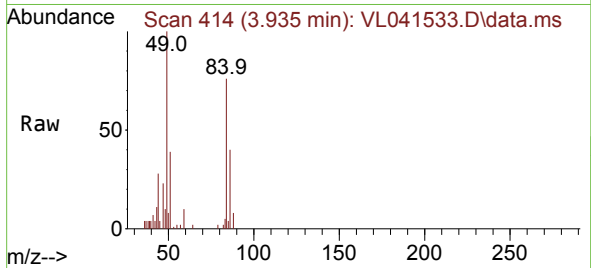




#20
Methylene Chloride
Concen: 0.297 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.003 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

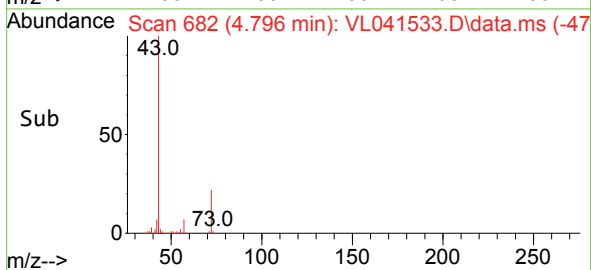
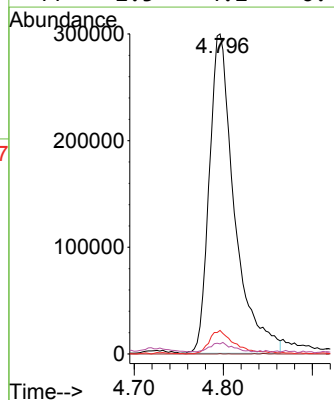
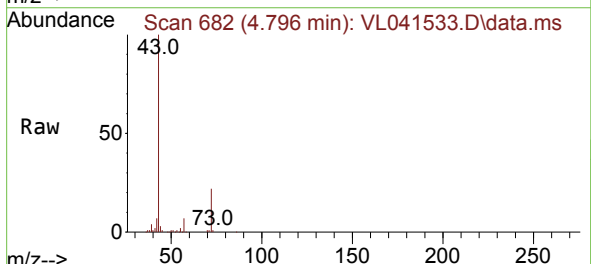
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

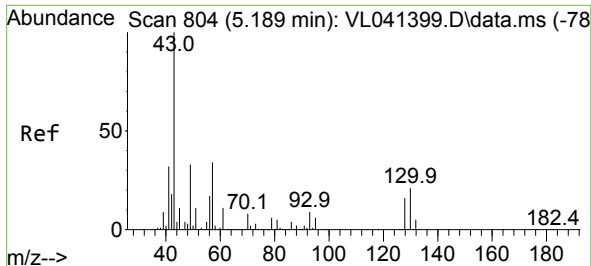
Tgt Ion:	84	Resp:	12434
Ion	Ratio	Lower	Upper
84	100		
49	131.4	126.6	190.0
51	51.1	38.6	58.0
86	53.2	53.0	79.4



#23
Vinyl Acetate
Concen: 6.854 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.170 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion:	43	Resp:	587198
Ion	Ratio	Lower	Upper
43	100		
86	0.1	4.6	6.8#
42	7.2	7.9	11.9#
44	2.5	4.2	6.4#

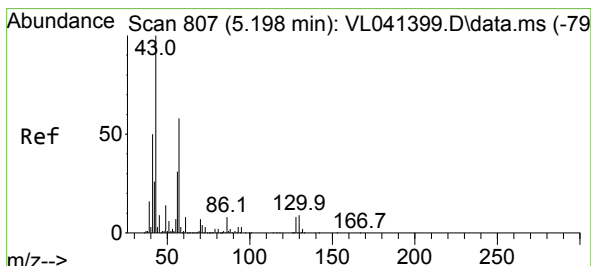
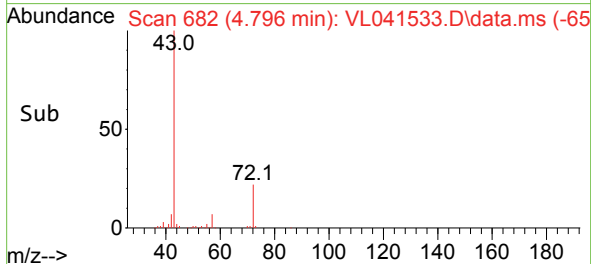
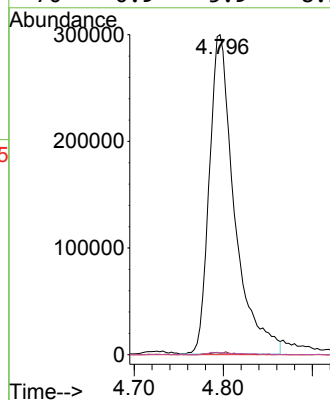
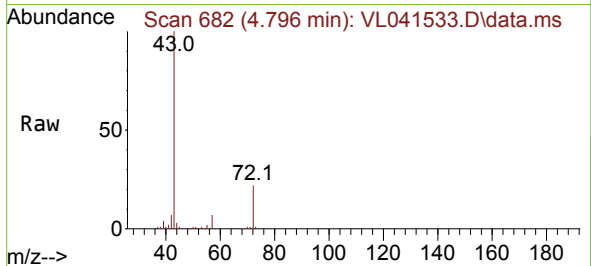




#25
Ethyl Acetate
Concen: 2.635 ppbv
RT: 4.796 min Scan# 61
Delta R.T. -0.405 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

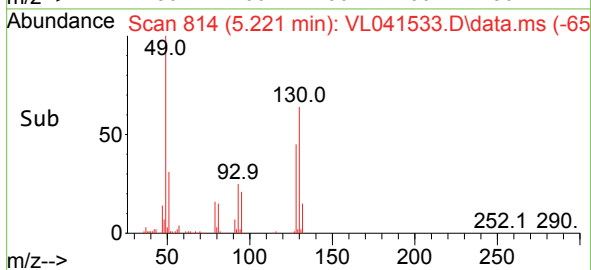
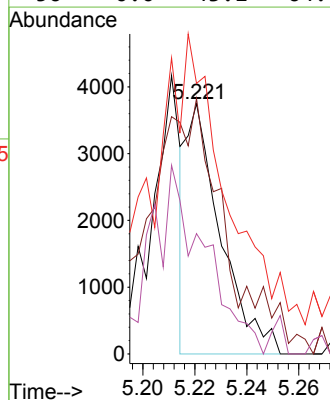
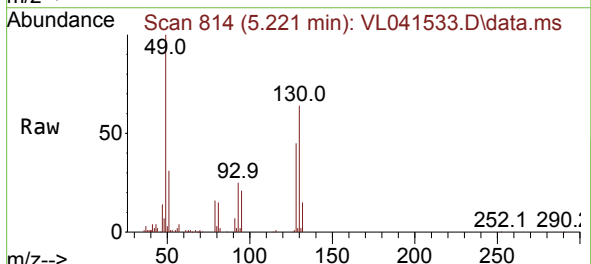
Instrument :
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SV-4DL

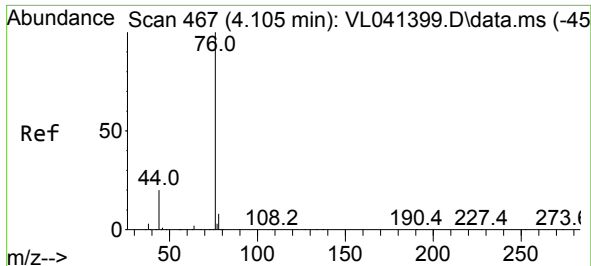
Tgt Ion: 43 Resp: 587198
Ion Ratio Lower Upper
43 100
45 0.7 8.5 12.7#
61 0.0 8.0 12.0#
70 0.9 5.9 8.9#



#26
Hexane
Concen: 0.037 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.010 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion: 57 Resp: 3442
Ion Ratio Lower Upper
57 100
41 234.6 74.0 111.0#
43 0.0 193.6 290.4#
56 0.0 43.1 64.7#





#27

Carbon Disulfide

Concen: 0.033 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041533.D

Acq: 12 Aug 2024 12:43

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL

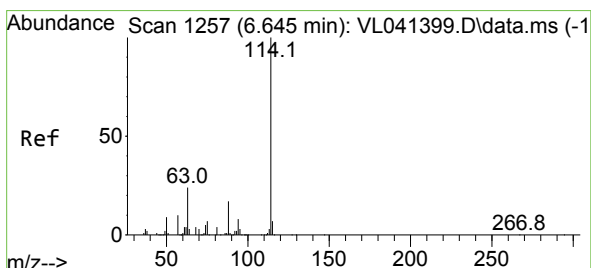
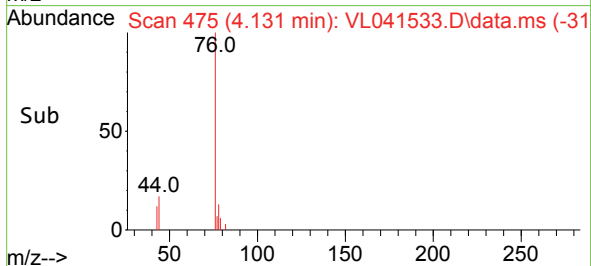
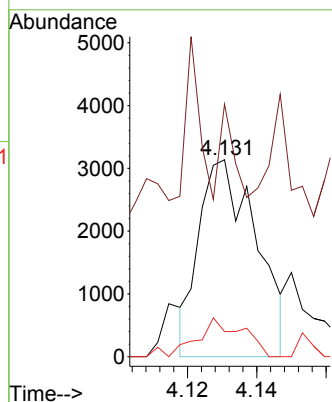
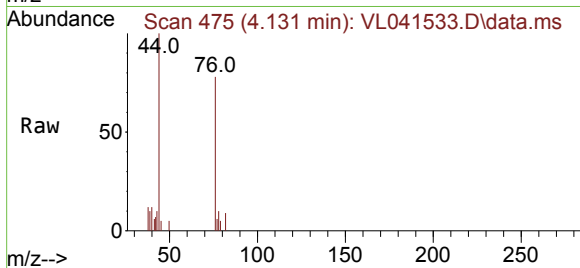
Tgt Ion: 76 Resp: 3600

Ion Ratio Lower Upper

76 100

44 0.0 15.6 23.4#

78 15.9 7.7 11.5#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VL041533.D

Acq: 12 Aug 2024 12:43

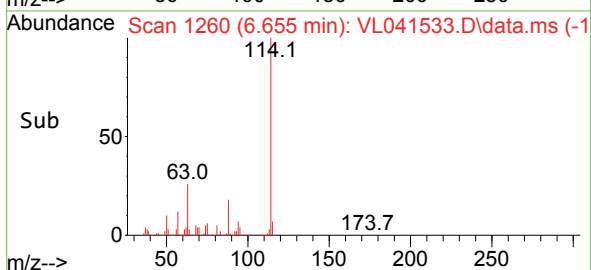
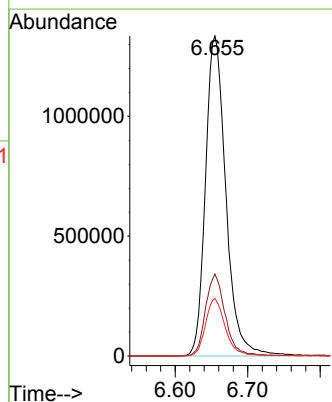
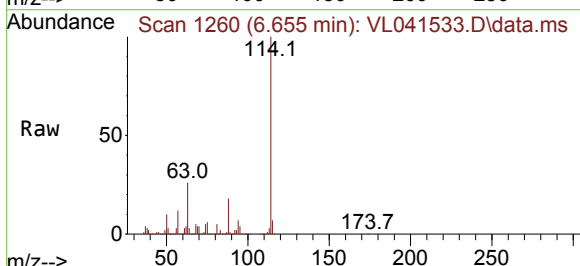
Tgt Ion: 114 Resp: 2604873

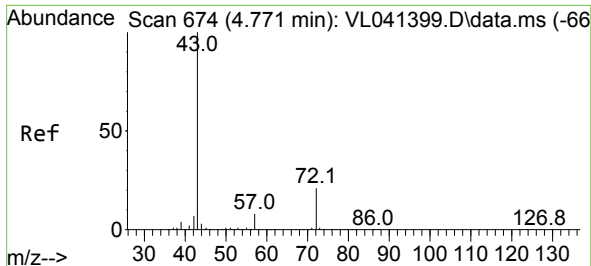
Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.6 14.3 21.5

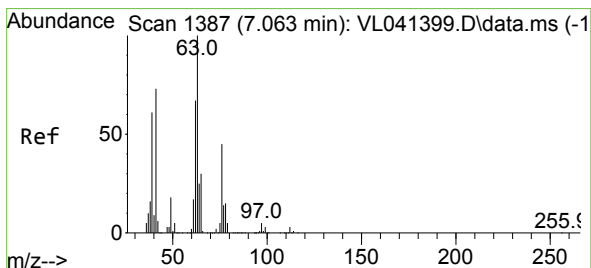
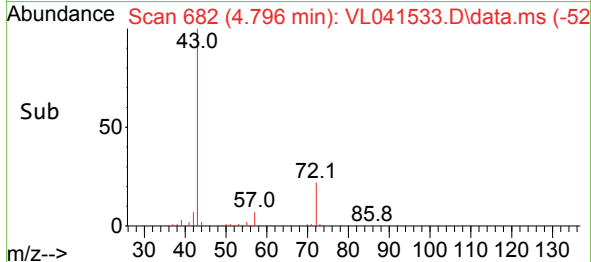
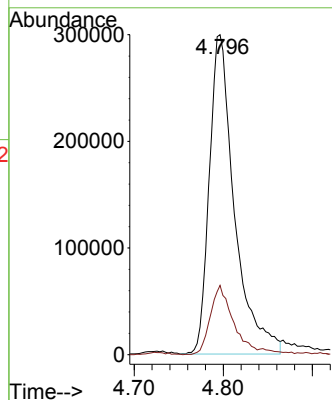
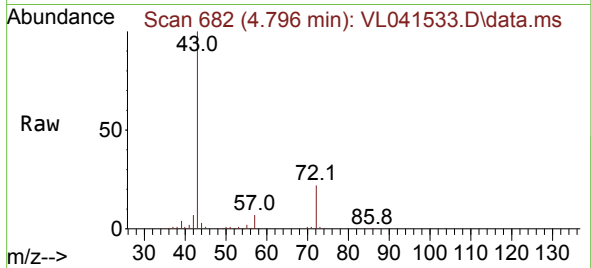




#34
2-Butanone
Concen: 4.660 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

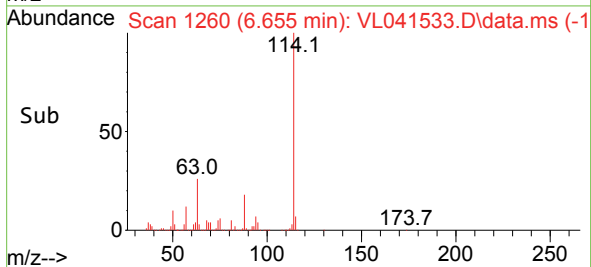
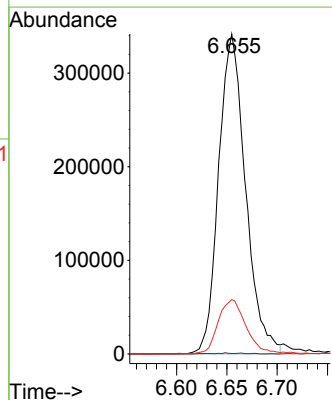
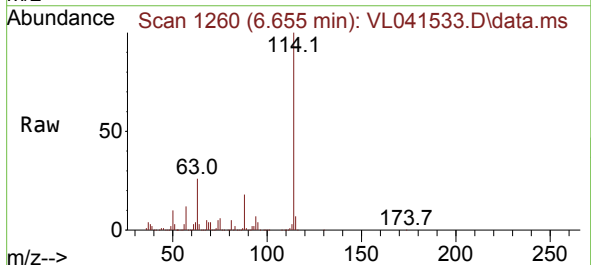
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

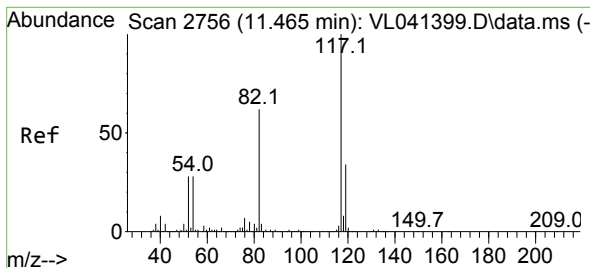
Tgt Ion: 43 Resp: 587198
Ion Ratio Lower Upper
43 100
72 21.5 17.3 25.9



#39
1,2-Dichloropropane
Concen: 8.717 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.418 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion: 63 Resp: 635187
Ion Ratio Lower Upper
63 100
41 0.2 58.3 87.5#
62 17.0 53.9 80.9#

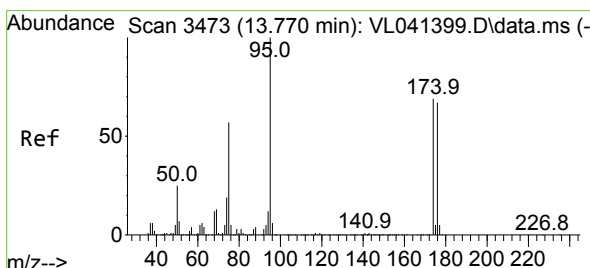
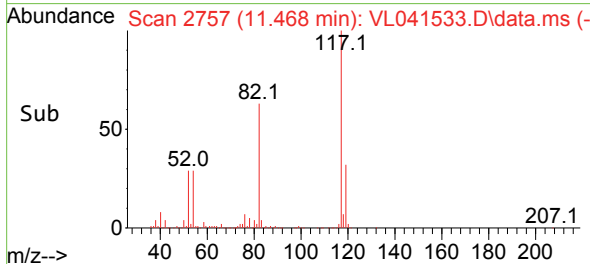
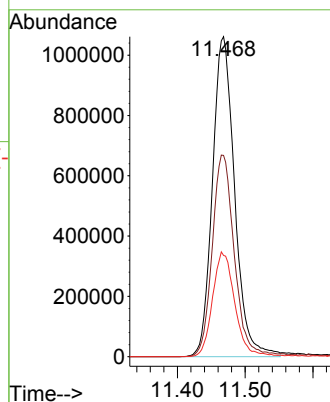
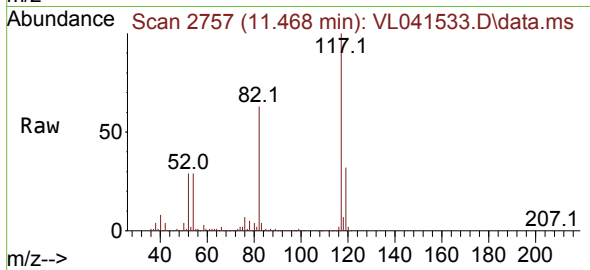




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tgt Ion:117 Resp: 2415253
Ion Ratio Lower Upper
117 100
82 64.3 51.0 76.6
119 33.2 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.877 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041533.D
Acq: 12 Aug 2024 12:43

Tgt Ion: 95 Resp: 1835768
Ion Ratio Lower Upper
95 100
174 70.8 56.3 84.5
175 4.8 4.0 6.0

