

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041434.D
 Acq On : 29 Jul 2024 18:21
 Operator : SY/MD
 Sample : P3342-11 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-05DL

Quant Time: Jul 30 02:52:38 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 Jul 30 02:42:20 2024
 Response via : Initial Calibration

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

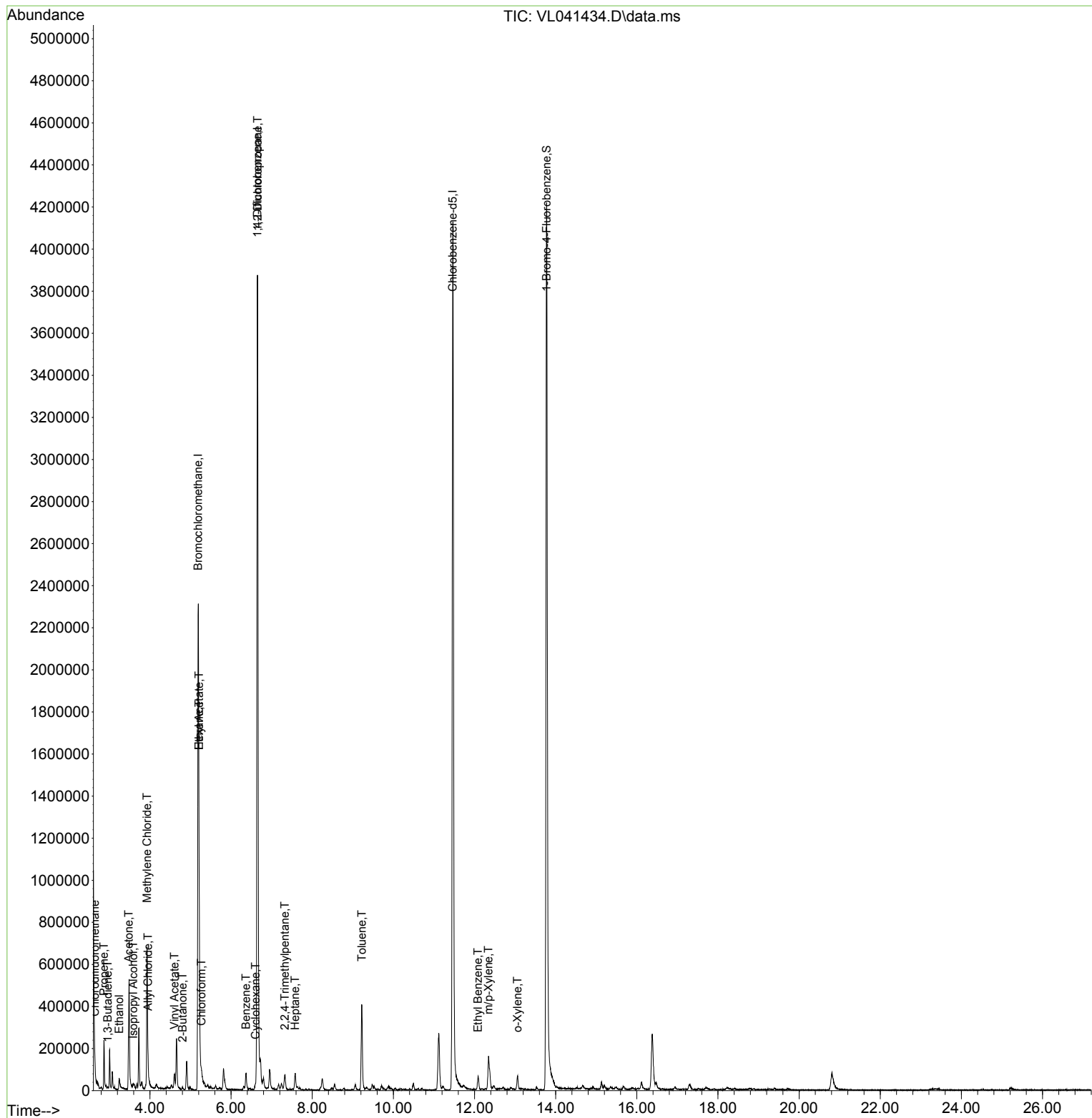
Internal Standards						
1) Bromochloromethane	5.189	49	1101271	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2964037	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2744061	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2126621	10.071	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.645	51	7412	0.057	ppbv #	68
9) Propene	2.867	41	59462	0.987	ppbv	100
10) Heptane	7.578	43	26334	0.195	ppbv	95
13) Ethanol	3.243	45	53794	9.994	ppbv	93
15) Acetone	3.478	43	152417	1.218	ppbv #	87
16) 1,3-Butadiene	2.960	39	3265	0.049	ppbv #	15
19) Isopropyl Alcohol	3.587	45	20615	0.282	ppbv #	57
20) Methylene Chloride	3.931	84	227603	4.878	ppbv	97
21) Allyl Chloride	3.954	41	2587	0.032	ppbv #	1
23) Vinyl Acetate	4.607	43	10125	0.106	ppbv #	1
25) Ethyl Acetate	5.208	43	100391	0.404	ppbv #	78
26) Hexane	5.208	57	246023	2.386	ppbv #	37
29) Chloroform	5.272	83	19829	0.118	ppbv	97
30) Cyclohexane	6.603	84	3588	0.043	ppbv #	1
34) 2-Butanone	4.803	43	8502	0.059	ppbv #	74
36) Benzene	6.369	78	63431	0.293	ppbv	94
39) 1,2-Dichloropropane	6.652	63	741907	8.947	ppbv #	25
44) 2,2,4-Trimethylpentane	7.324	57	25191	0.070	ppbv #	17
53) Toluene	9.224	91	308597	1.279	ppbv	99
58) Ethyl Benzene	12.086	91	31927	0.101	ppbv	91
59) m/p-Xylene	12.343	91	155004	0.568	ppbv	97
60) o-Xylene	13.057	91	25273	0.098	ppbv #	41

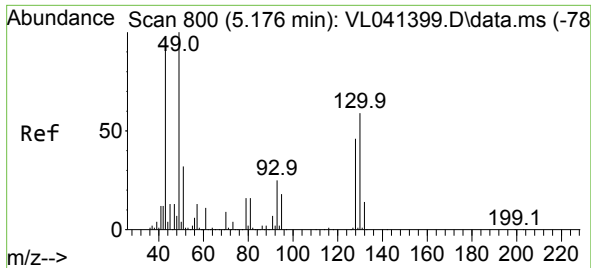
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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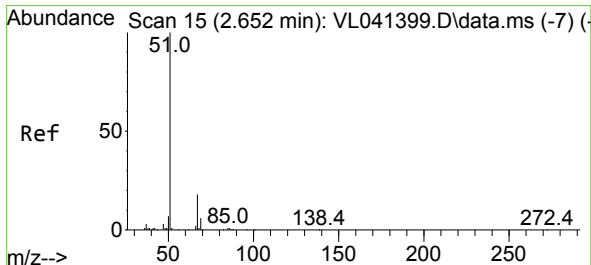
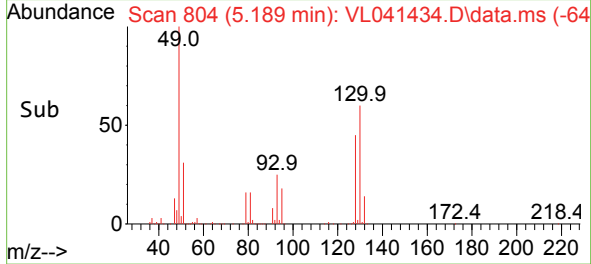
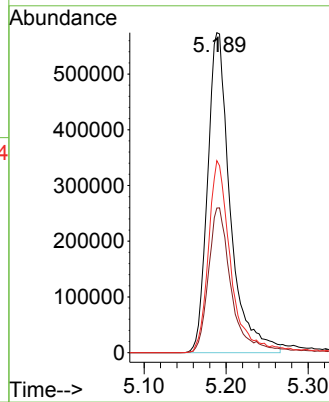
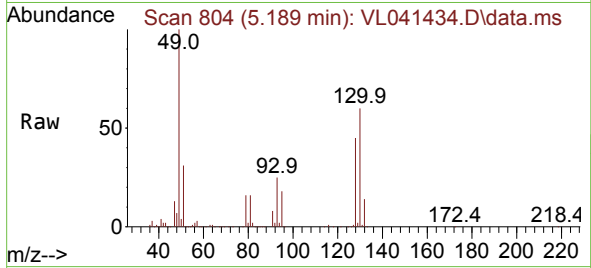




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

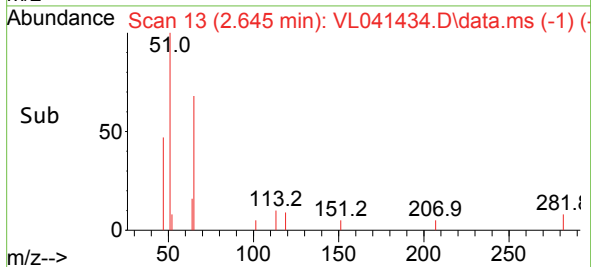
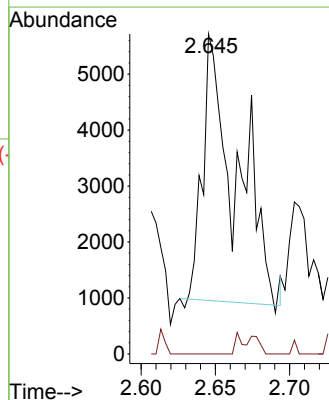
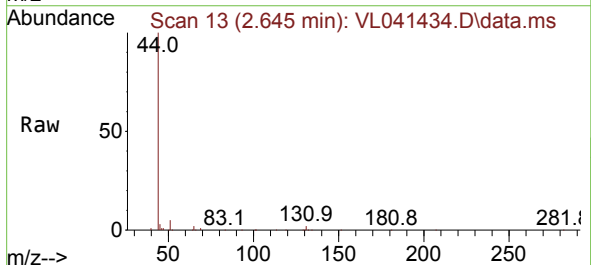
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

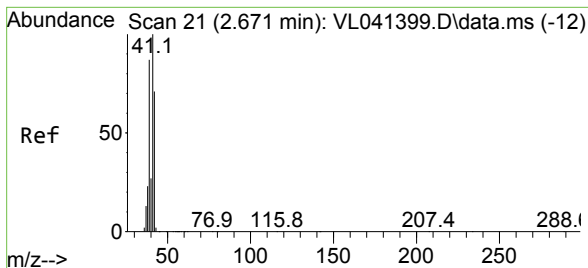
Tgt Ion: 49 Resp: 1101271
Ion Ratio Lower Upper
49 100
128 47.1 23.8 71.4
130 60.2 30.8 92.4



#3
Chlorodifluoromethane
Concen: 0.057 ppbv
RT: 2.645 min Scan# 13
Delta R.T. -0.010 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 51 Resp: 7412
Ion Ratio Lower Upper
51 100
67 3.9 14.5 21.7#





#9

Propene

Concen: 0.987 ppbv

RT: 2.867 min Scan# 81

Delta R.T. 0.196 min

Lab File: VL041434.D

Acq: 29 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :

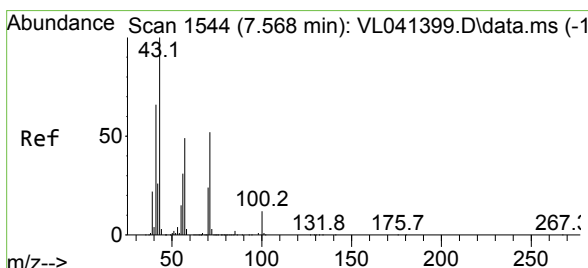
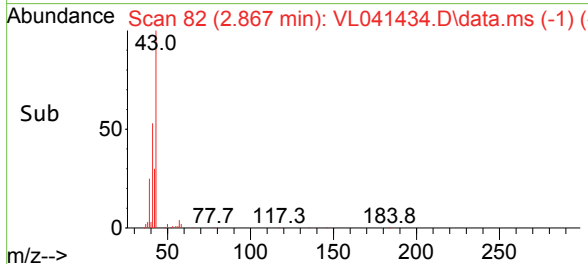
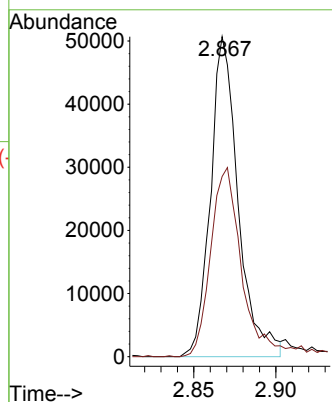
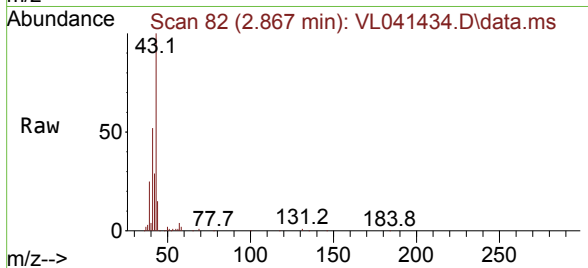
ACVI-SS-05DL

Tgt Ion: 41 Resp: 59462

Ion Ratio Lower Upper

41 100

42 70.1 55.9 83.9



#10

Heptane

Concen: 0.195 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.007 min

Lab File: VL041434.D

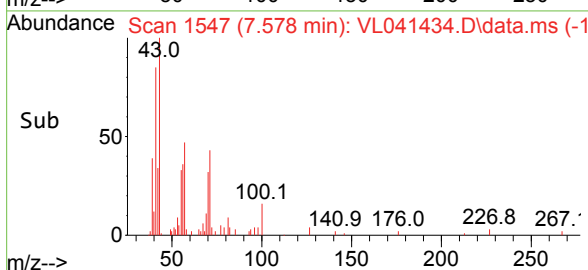
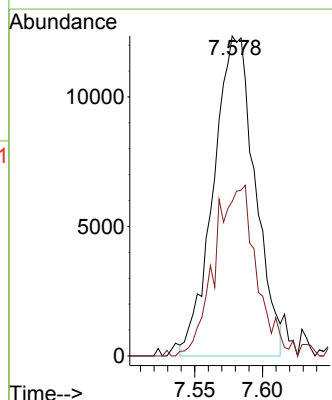
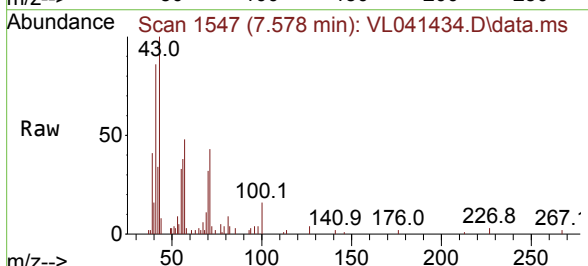
Acq: 29 Jul 2024 18:21

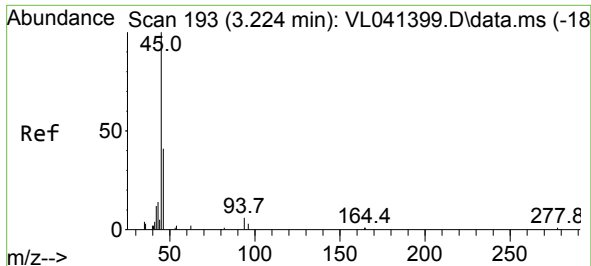
Tgt Ion: 43 Resp: 26334

Ion Ratio Lower Upper

43 100

57 54.2 40.5 60.7

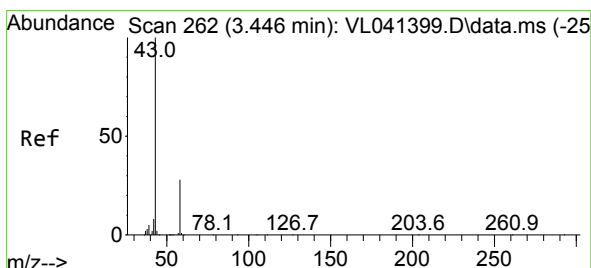
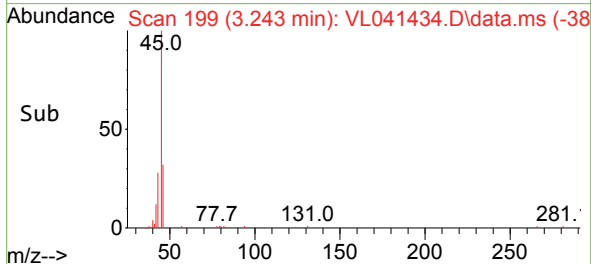
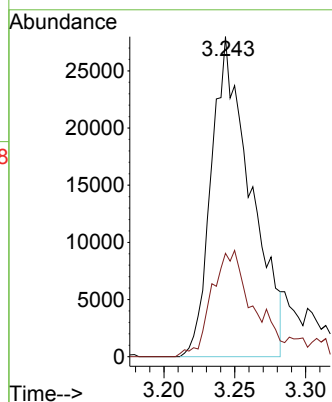
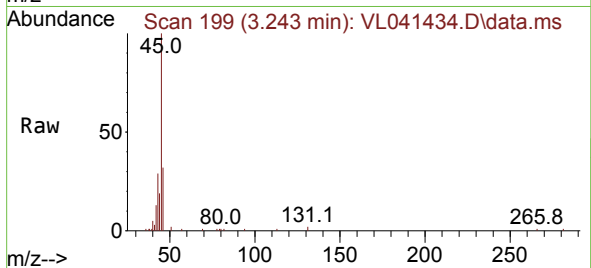




#13
Ethanol
Concen: 9.994 ppbv
RT: 3.243 min Scan# 193
Delta R.T. 0.016 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

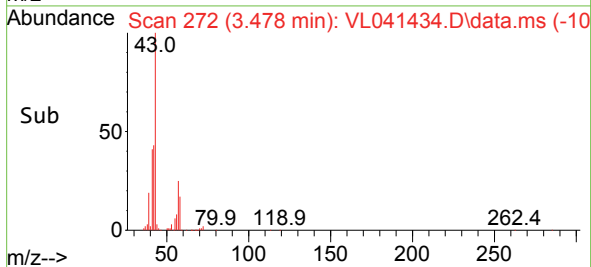
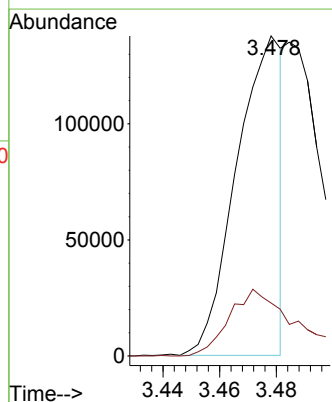
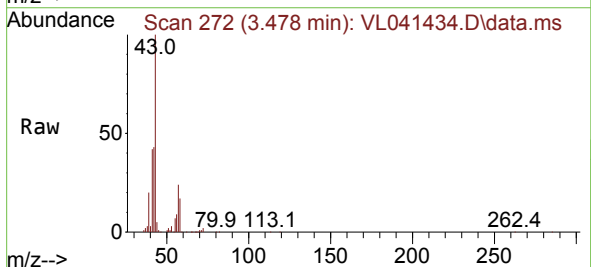
Instrument :
MSVOA_L
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ACVI-SS-05DL

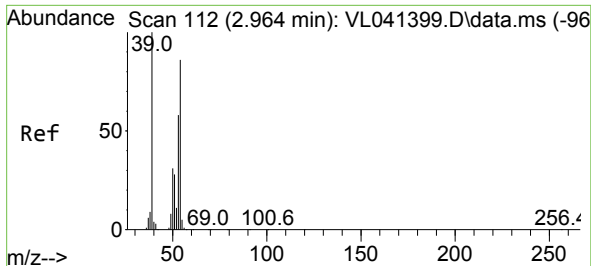
Tgt Ion: 45 Resp: 53794
Ion Ratio Lower Upper
45 100
46 37.6 13.4 53.4



#15
Acetone
Concen: 1.218 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.026 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 43 Resp: 152417
Ion Ratio Lower Upper
43 100
58 33.7 21.4 32.2#

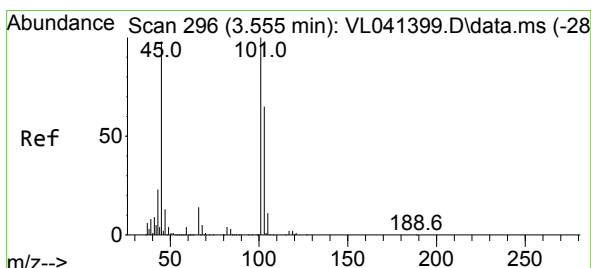
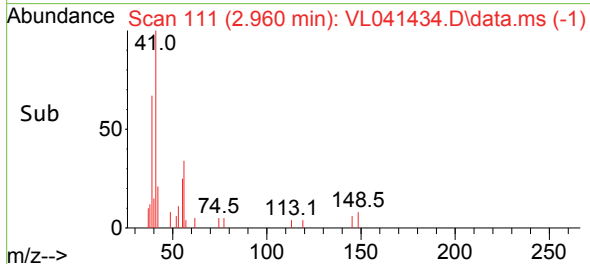
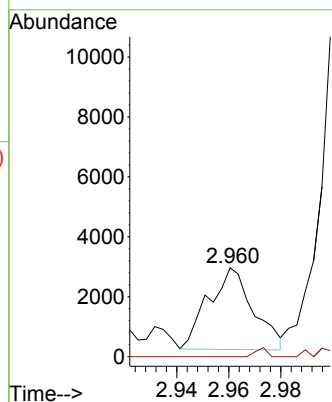
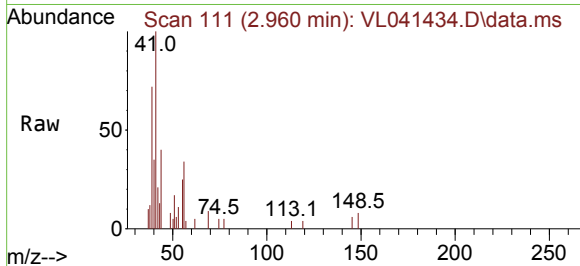




#16
1,3-Butadiene
Concen: 0.049 ppbv
RT: 2.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

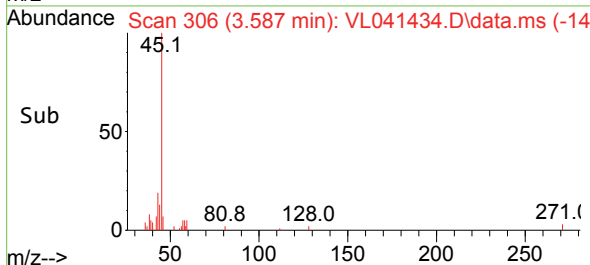
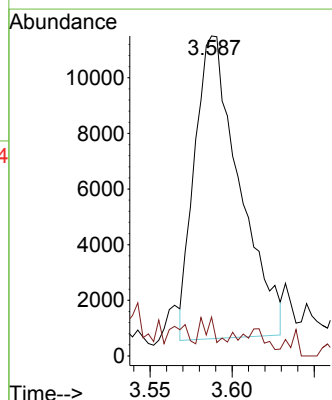
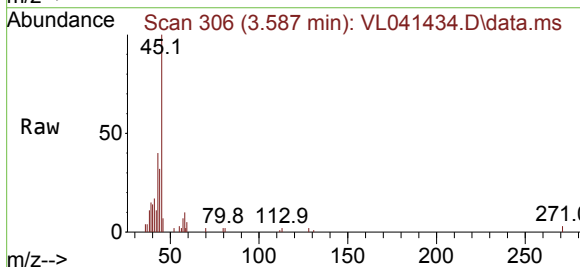
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

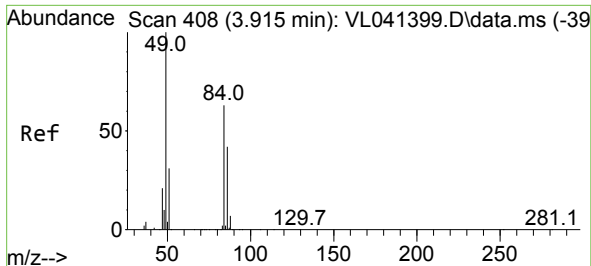
Tgt Ion: 39 Resp: 3265
Ion Ratio Lower Upper
39 100
54 4.1 62.5 93.7#



#19
Isopropyl Alcohol
Concen: 0.282 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.026 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 45 Resp: 20615
Ion Ratio Lower Upper
45 100
58 17.2 1.9 2.9#

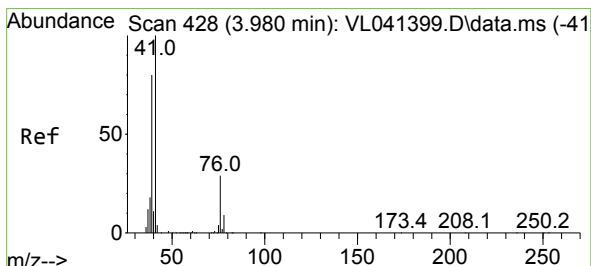
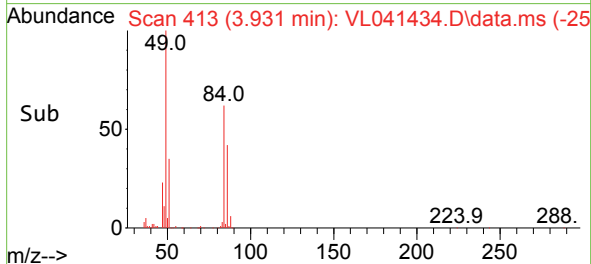
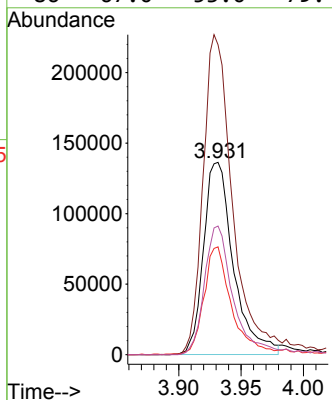
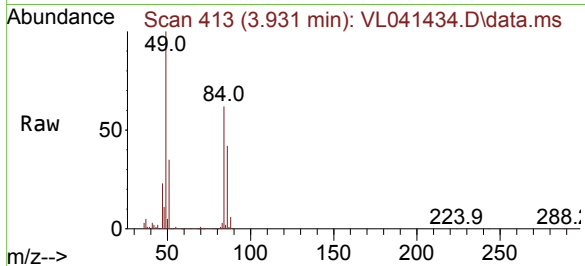




#20
Methylene Chloride
Concen: 4.878 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

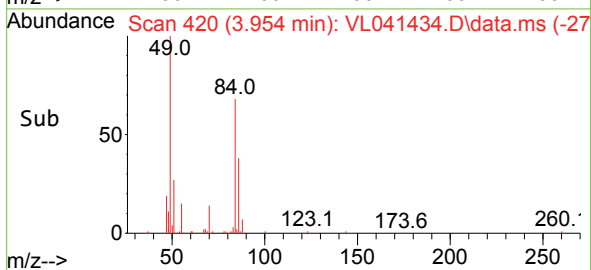
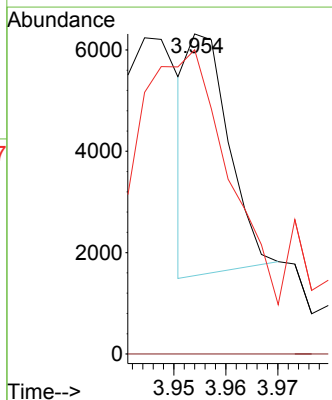
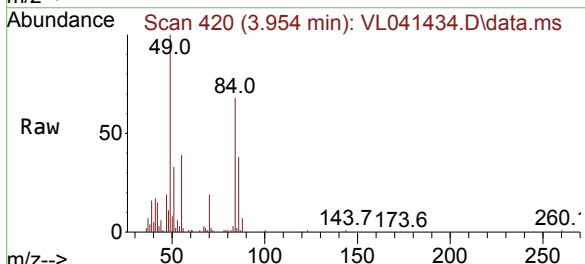
Instrument :
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ClientSampleId :
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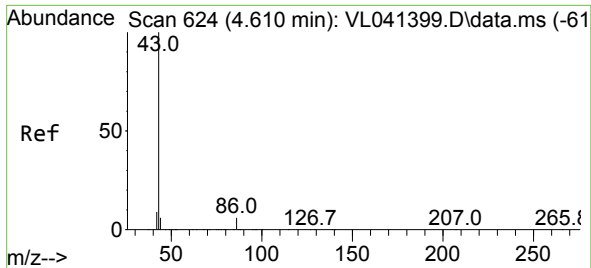
Tgt Ion: 84 Resp: 227603
Ion Ratio Lower Upper
84 100
49 160.9 126.6 190.0
51 55.9 38.6 58.0
86 67.0 53.0 79.4



#21
Allyl Chloride
Concen: 0.032 ppbv
RT: 3.954 min Scan# 420
Delta R.T. -0.026 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 41 Resp: 2587
Ion Ratio Lower Upper
41 100
76 1.7 23.7 35.5#
39 350.3 64.3 96.5#

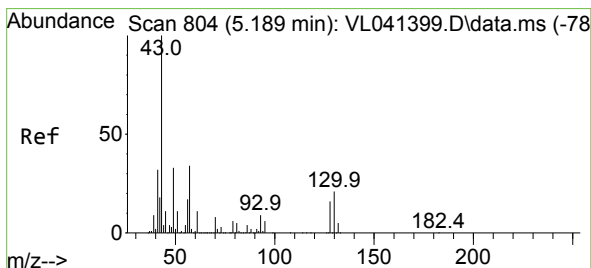
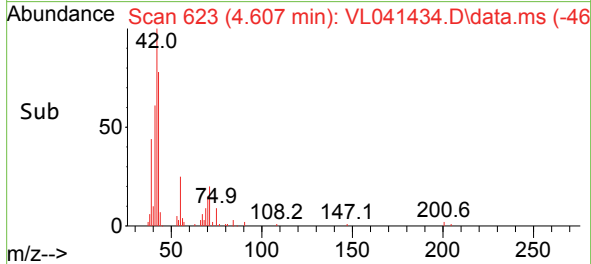
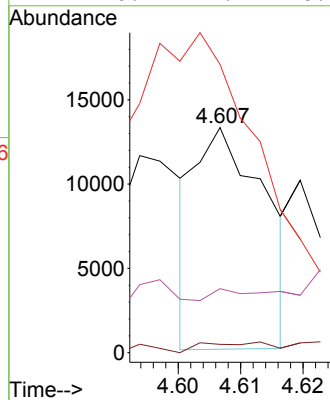
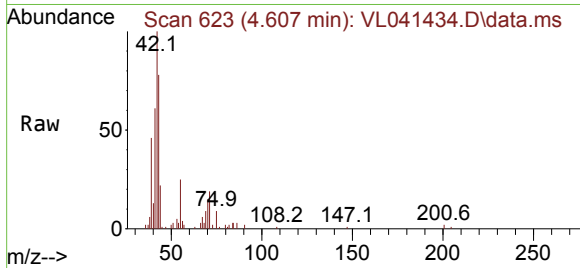




#23
 Vinyl Acetate
 Concen: 0.106 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL041434.D
 Acq: 29 Jul 2024 18:21

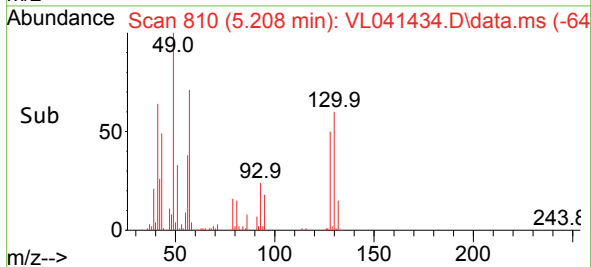
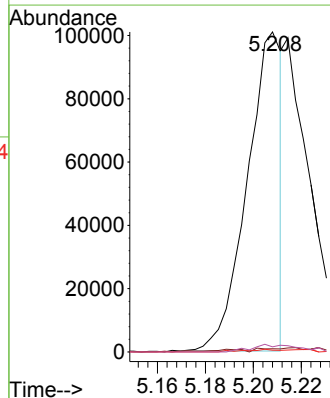
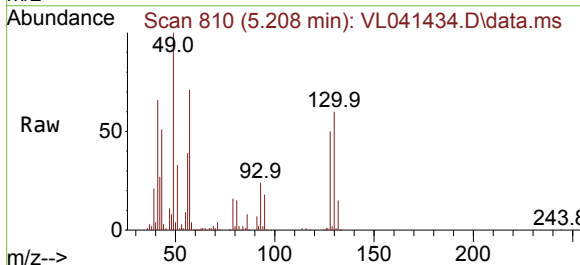
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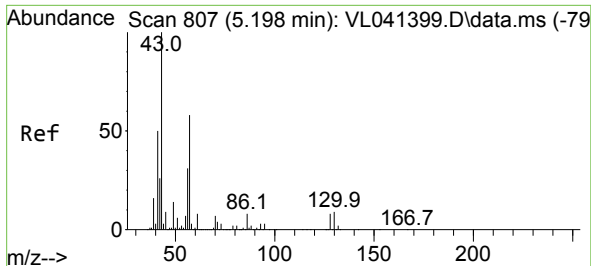
Tgt Ion: 43	Resp: 10125
Ion Ratio	Lower Upper
43 100	
86 16.2	4.6 6.8#
42 285.9	7.9 11.9#
44 20.9	4.2 6.4#



#25
 Ethyl Acetate
 Concen: 0.404 ppbv
 RT: 5.208 min Scan# 810
 Delta R.T. 0.016 min
 Lab File: VL041434.D
 Acq: 29 Jul 2024 18:21

Tgt Ion: 43	Resp: 100391
Ion Ratio	Lower Upper
43 100	
45 0.1	8.5 12.7#
61 1.5	8.0 12.0#
70 3.7	5.9 8.9#

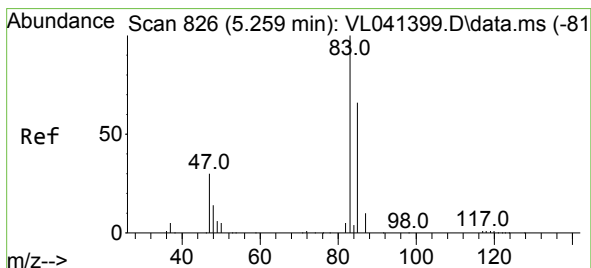
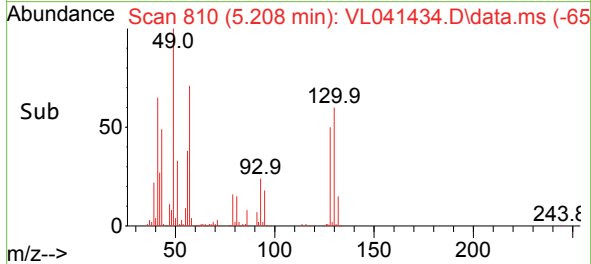
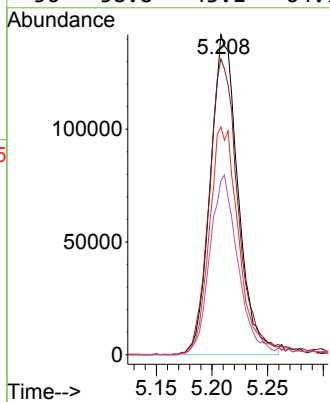
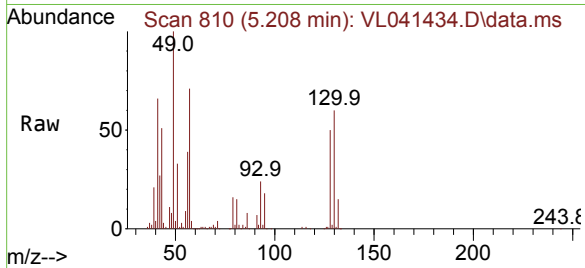




#26
Hexane
Concen: 2.386 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

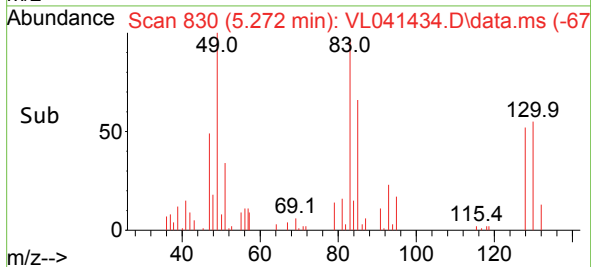
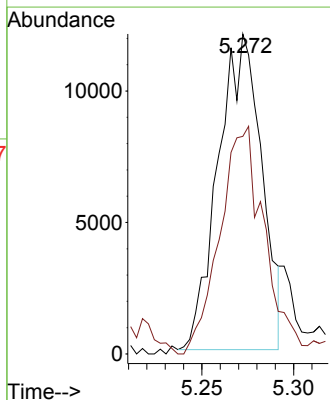
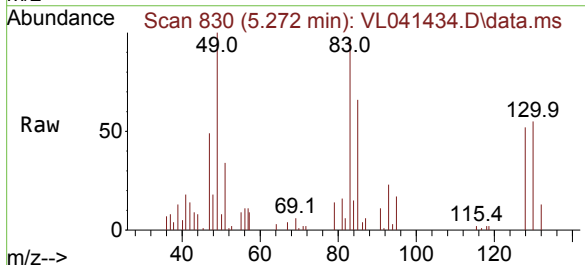
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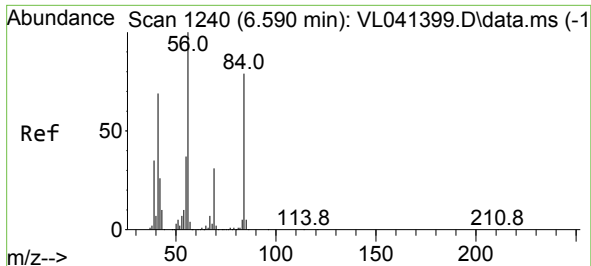
Tgt Ion: 57 Resp: 246023
Ion Ratio Lower Upper
57 100
41 98.6 74.0 111.0
43 76.4 193.6 290.4#
56 58.8 43.1 64.7



#29
Chloroform
Concen: 0.118 ppbv
RT: 5.272 min Scan# 830
Delta R.T. 0.010 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 83 Resp: 19829
Ion Ratio Lower Upper
83 100
85 68.9 53.1 79.7

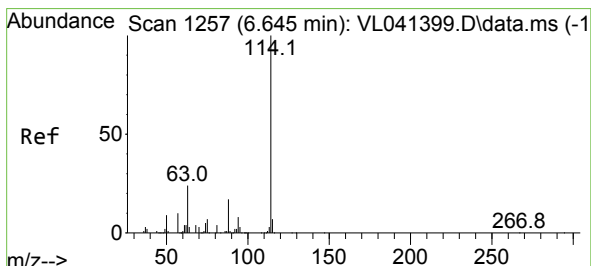
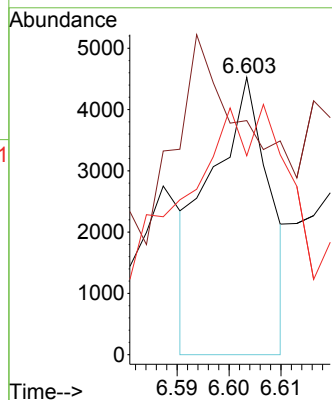
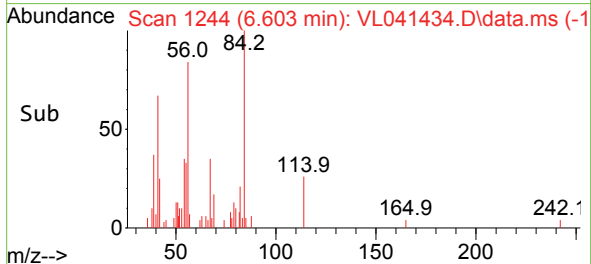
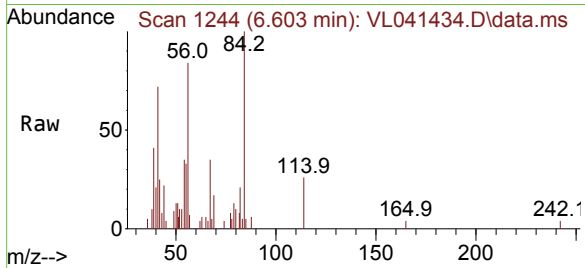




#30
Cyclohexane
Concen: 0.043 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.010 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

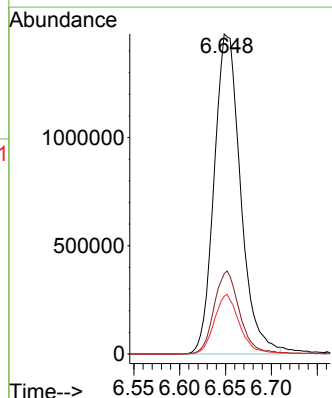
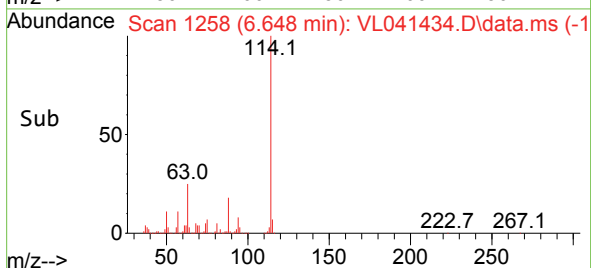
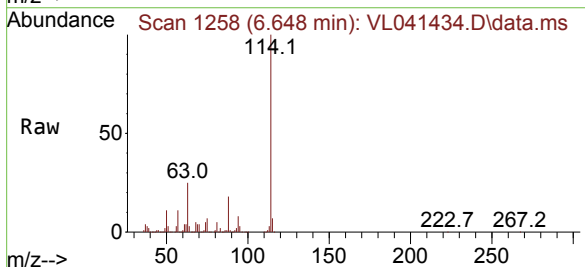
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

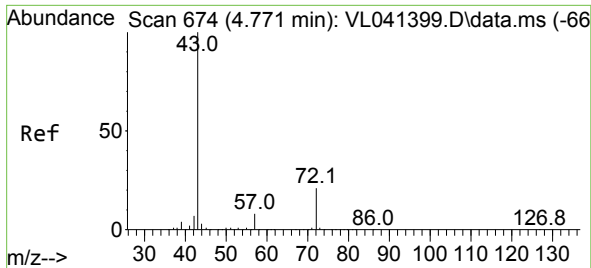
Tgt Ion: 84 Resp: 3588
Ion Ratio Lower Upper
84 100
56 0.0 111.2 166.8#
41 260.7 70.3 105.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 114 Resp: 2964037
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 18.0 14.3 21.5

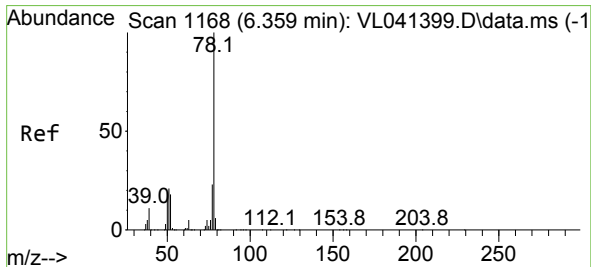
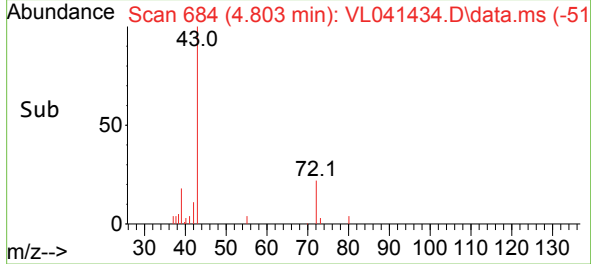
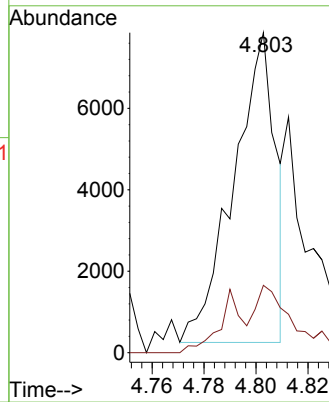
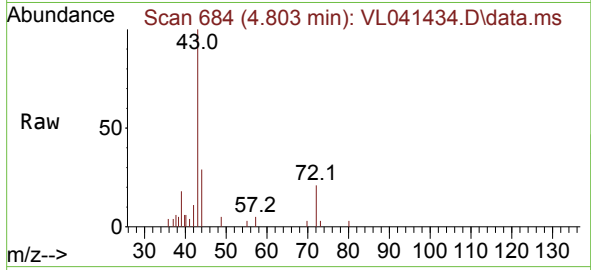




#34
2-Butanone
Concen: 0.059 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

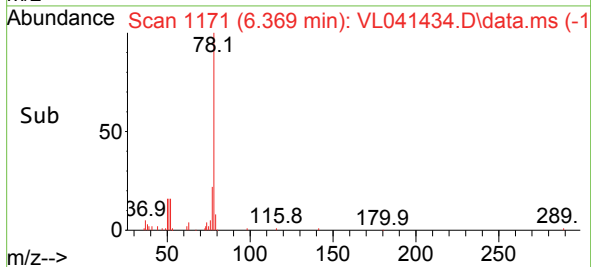
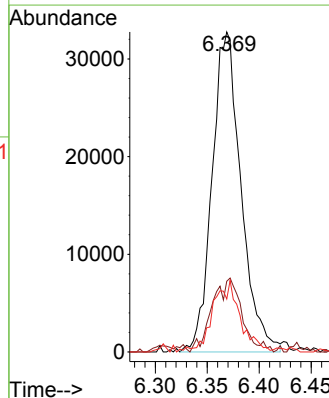
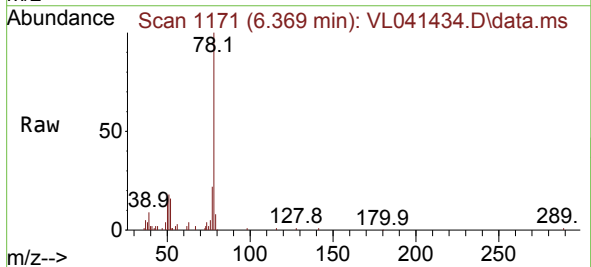
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

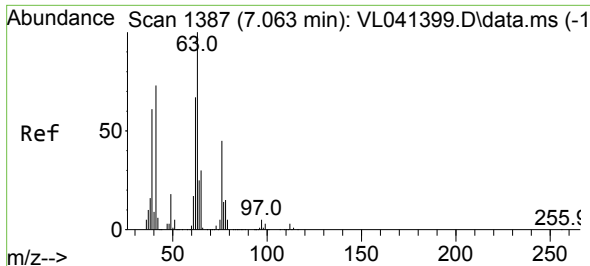
Tgt Ion: 43 Resp: 8502
Ion Ratio Lower Upper
43 100
72 33.8 17.3 25.9#



#36
Benzene
Concen: 0.293 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 78 Resp: 63431
Ion Ratio Lower Upper
78 100
77 20.8 18.1 27.1
50 15.7 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.947 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.411 min

Lab File: VL041434.D

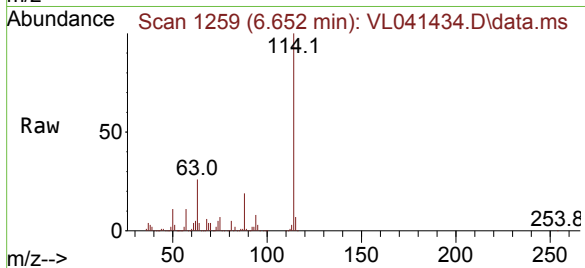
Acq: 29 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-05DL



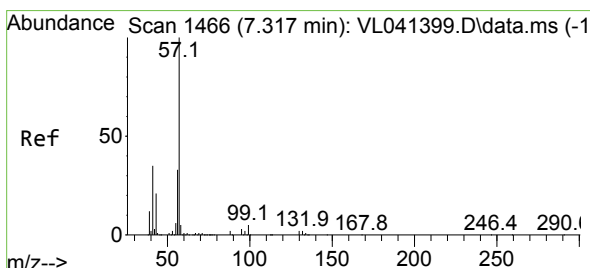
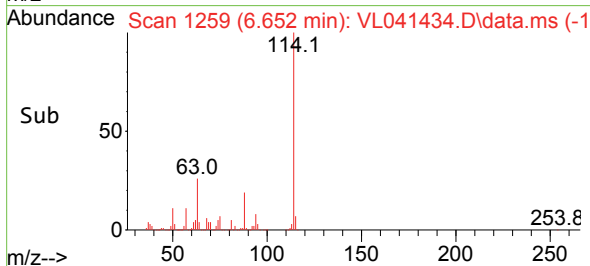
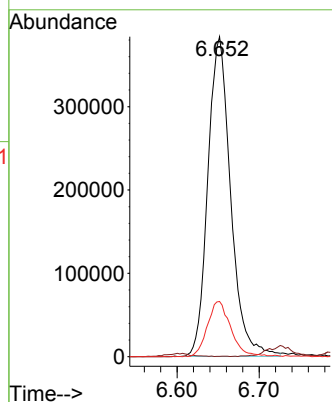
Tgt Ion: 63 Resp: 741907

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.2 53.9 80.9#



#44

2,2,4-Trimethylpentane

Concen: 0.070 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. 0.007 min

Lab File: VL041434.D

Acq: 29 Jul 2024 18:21

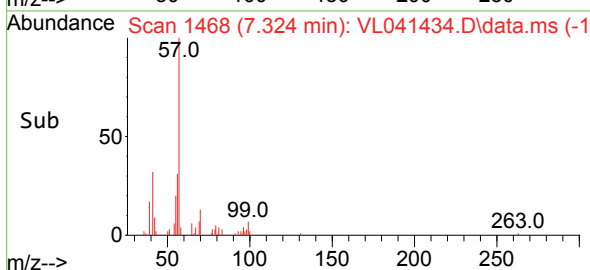
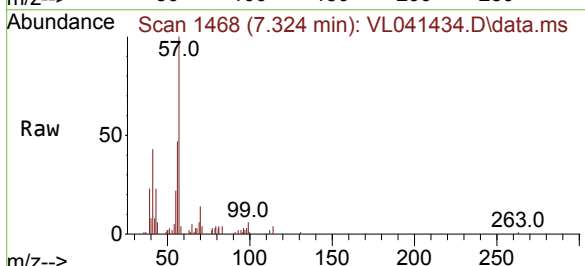
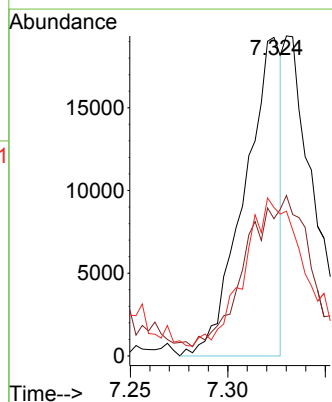
Tgt Ion: 57 Resp: 25191

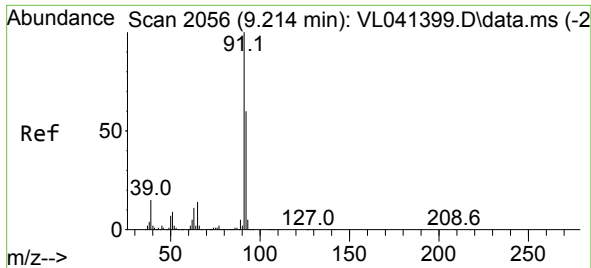
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.6#

56 92.0 25.2 37.8#

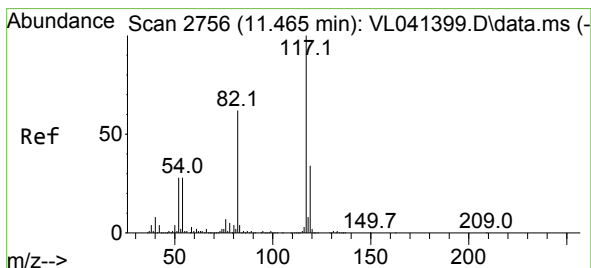
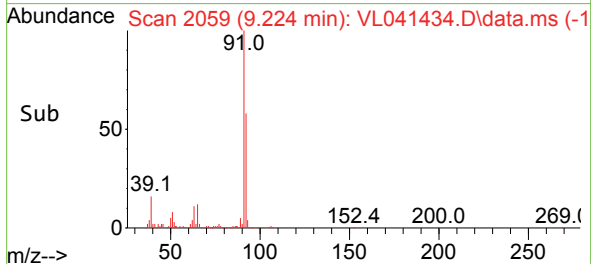
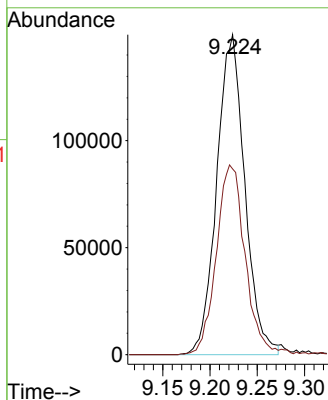
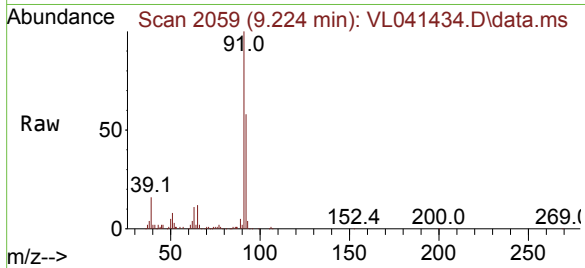




#53
Toluene
Concen: 1.279 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

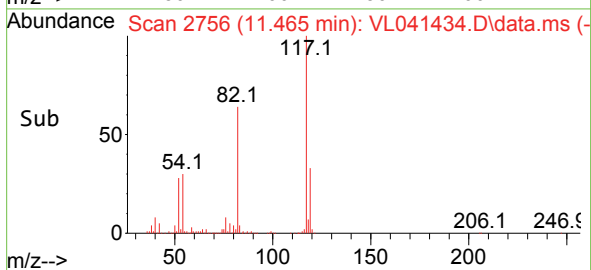
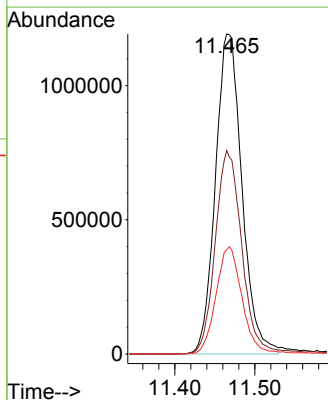
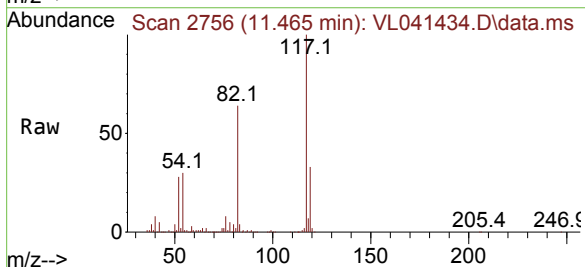
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

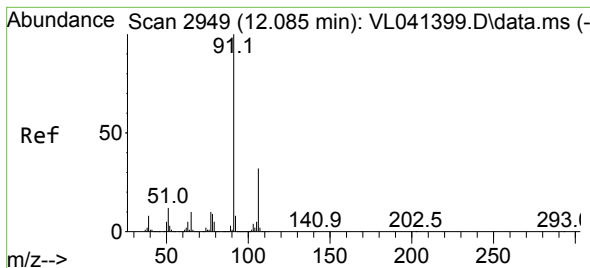
Tgt Ion: 91 Resp: 308597
Ion Ratio Lower Upper
91 100
92 61.8 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 117 Resp: 2744061
Ion Ratio Lower Upper
117 100
82 65.0 51.0 76.6
119 33.6 45.2 67.8#

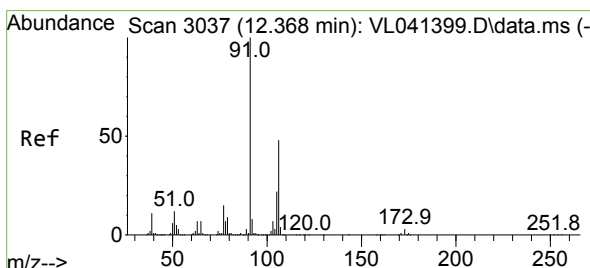
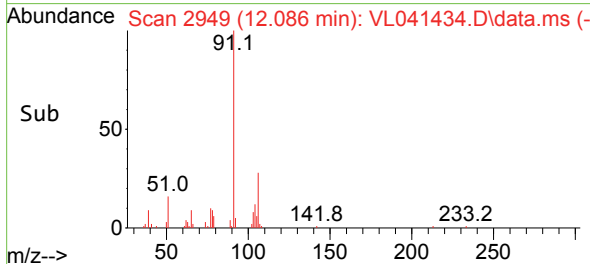
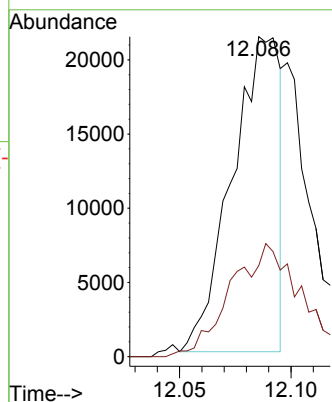
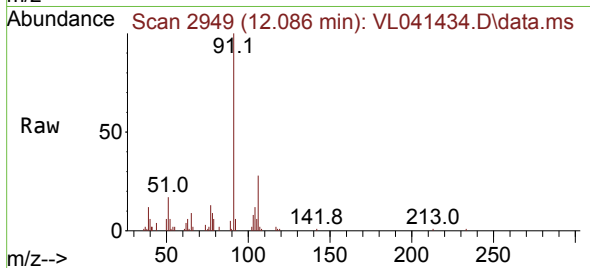




#58
Ethyl Benzene
Concen: 0.101 ppbv
RT: 12.086 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

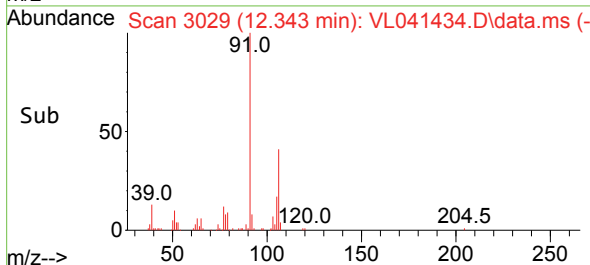
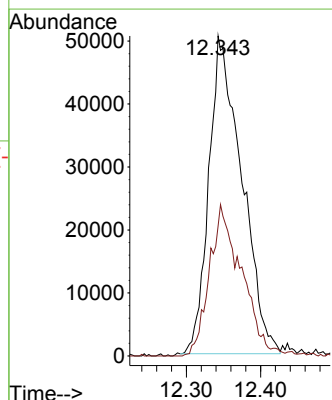
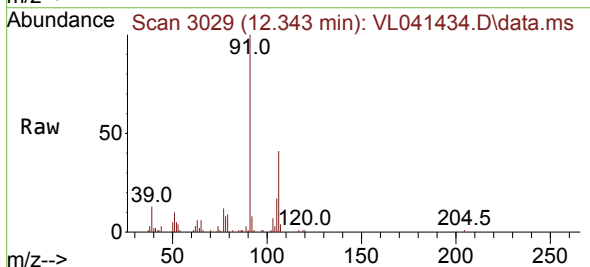
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

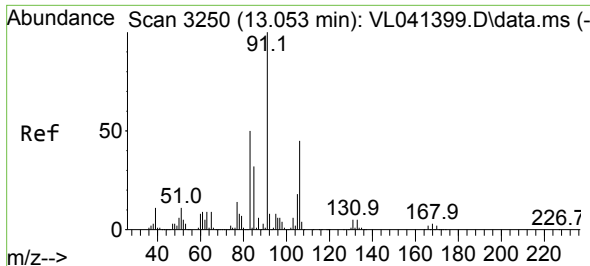
Tgt Ion: 91 Resp: 31927
Ion Ratio Lower Upper
91 100
106 27.3 25.8 38.8



#59
m/p-Xylene
Concen: 0.568 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. -0.026 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 91 Resp: 155004
Ion Ratio Lower Upper
91 100
106 47.4 36.3 54.5

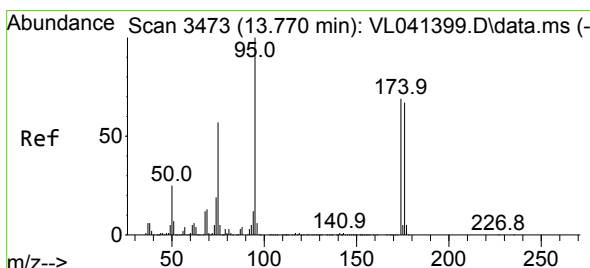
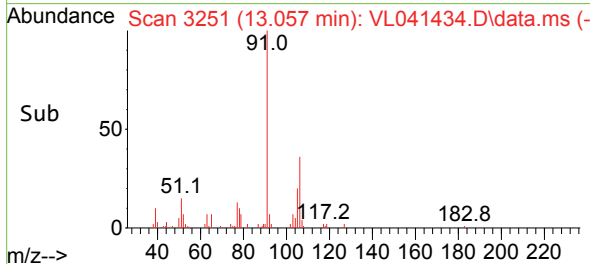
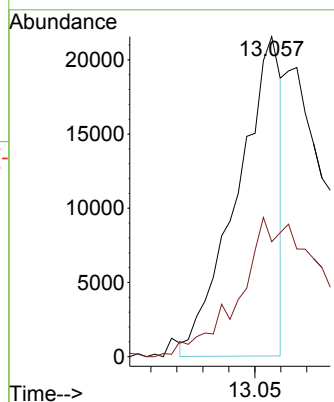
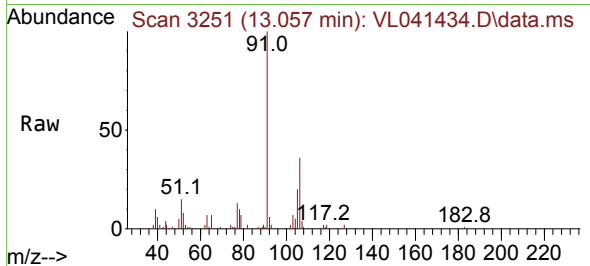




#60
o-Xylene
Concen: 0.098 ppbv
RT: 13.057 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-05DL

Tgt Ion: 91 Resp: 25273
Ion Ratio Lower Upper
91 100
106 85.1 23.1 69.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.071 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041434.D
Acq: 29 Jul 2024 18:21

Tgt Ion: 95 Resp: 2126621
Ion Ratio Lower Upper
95 100
174 71.7 56.3 84.5
175 4.9 4.0 6.0

