

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041443.D
 Acq On : 30 Jul 2024 00:30
 Operator : SY/MD
 Sample : P3342-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-03DDL

Quant Time: Jul 30 02:56:50 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)

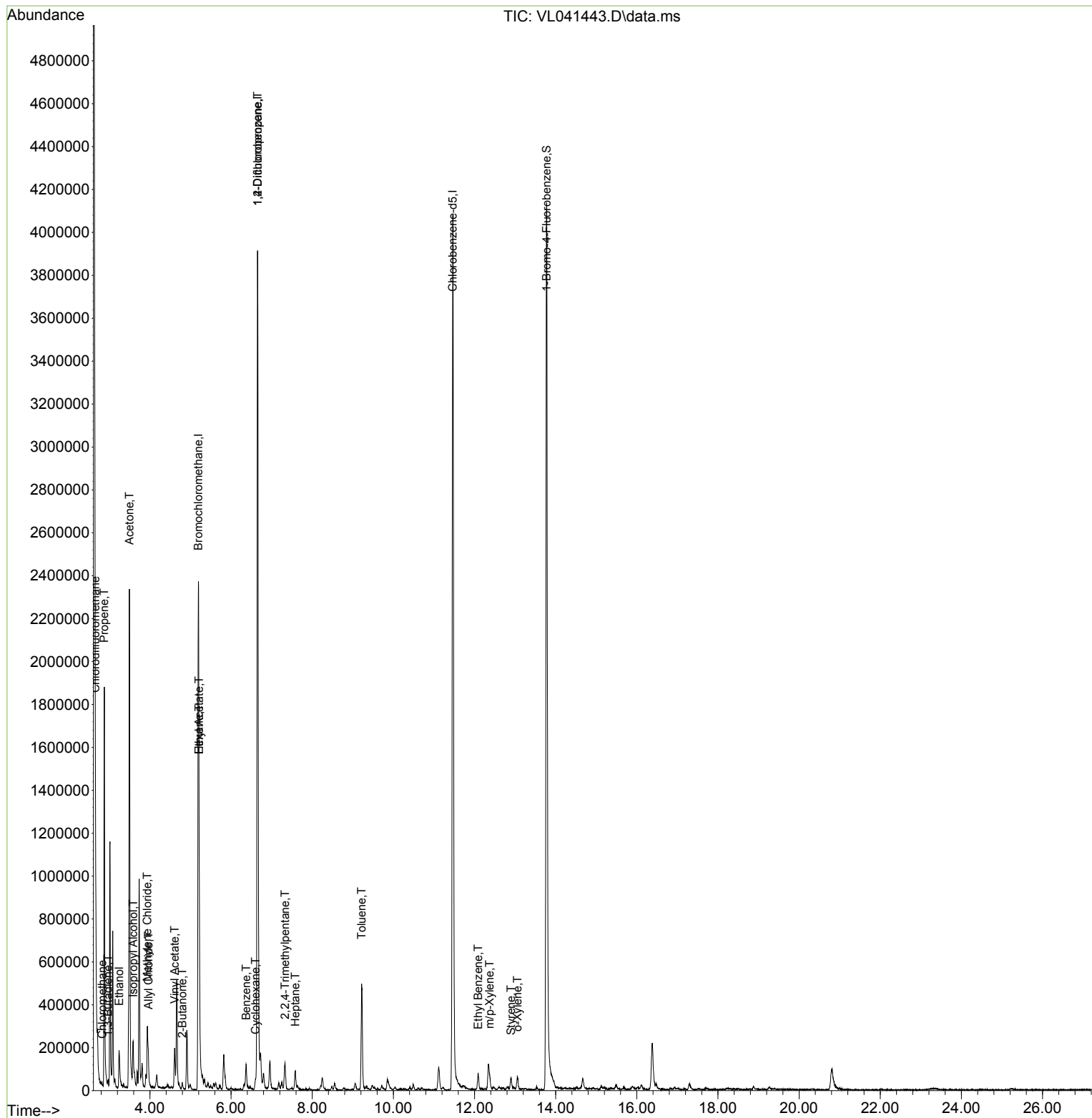
Internal Standards							
1) Bromochloromethane		5.192	49	1121284	10.000	ppbv	0.01
33) 1,4-Difluorobenzene		6.655	114	3012636	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.465	117	2747809	10.000	ppbv	# 0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.777	95	2126201	10.055	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds							Qvalue
3) Chlorodifluoromethane		2.655	51	9937	0.074	ppbv	# 85
4) Chloromethane		2.822	50	5430	0.076	ppbv	92
9) Propene		2.873	41	520003	8.480	ppbv	96
10) Heptane		7.584	43	19289	0.140	ppbv	# 29
13) Ethanol		3.240	45	187543	34.219	ppbv	88
15) Acetone		3.494	43	961386	7.546	ppbv	# 65
16) 1,3-Butadiene		2.963	39	3709	0.054	ppbv	# 29
19) Isopropyl Alcohol		3.587	45	224837	3.019	ppbv	99
20) Methylene Chloride		3.938	84	82720	1.741	ppbv	98
21) Allyl Chloride		3.963	41	21121	0.253	ppbv	# 41
23) Vinyl Acetate		4.610	43	66697	0.685	ppbv	# 1
25) Ethyl Acetate		5.211	43	207736	0.821	ppbv	# 91
26) Hexane		5.211	57	198526	1.891	ppbv	# 49
30) Cyclohexane		6.603	84	4162	0.049	ppbv	# 1
34) 2-Butanone		4.799	43	29513	0.203	ppbv	92
36) Benzene		6.375	78	79316	0.360	ppbv	# 93
39) 1,2-Dichloropropane		6.655	63	755017	8.959	ppbv	# 25
44) 2,2,4-Trimethylpentane		7.330	57	97231	0.264	ppbv	# 82
53) Toluene		9.217	91	385631	1.573	ppbv	100
58) Ethyl Benzene		12.092	91	61838	0.195	ppbv	99
59) m/p-Xylene		12.371	91	28570	0.104	ppbv	# 31
60) o-Xylene		13.056	91	29440	0.114	ppbv	# 61
61) Styrene		12.899	104	18798	0.161	ppbv	# 49

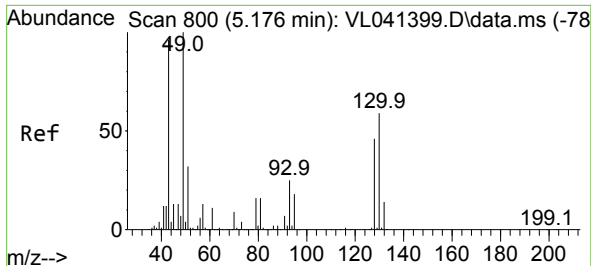
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 30 02:42:20 2024
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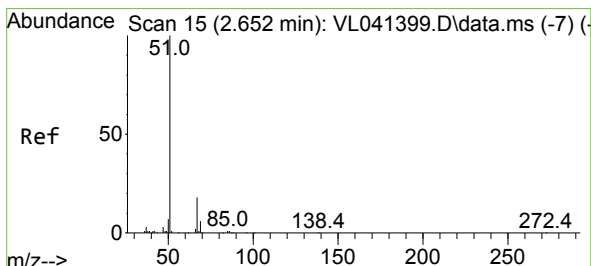
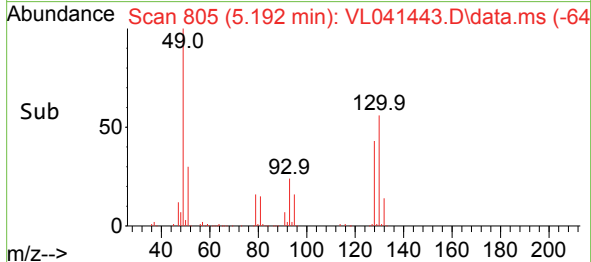
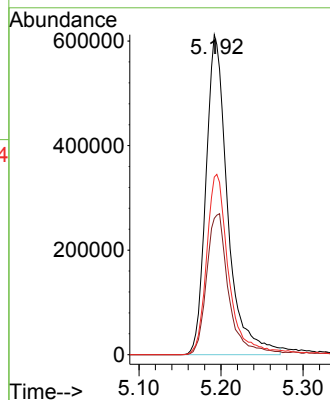
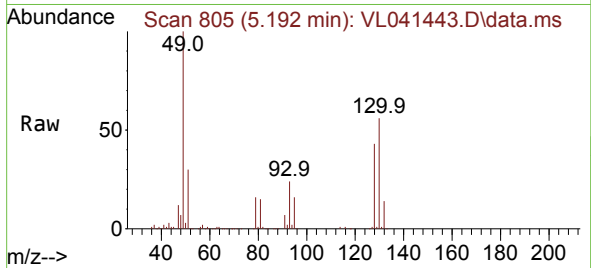




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

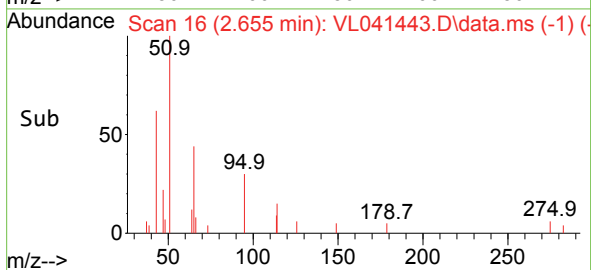
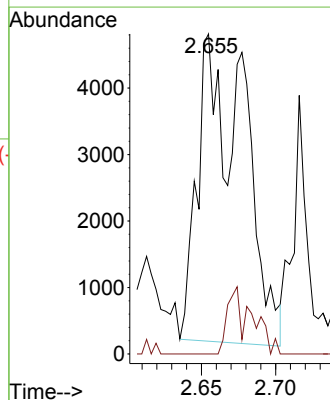
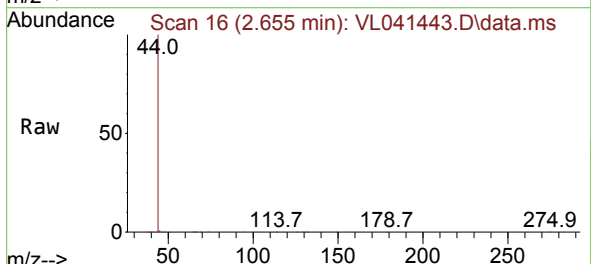
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

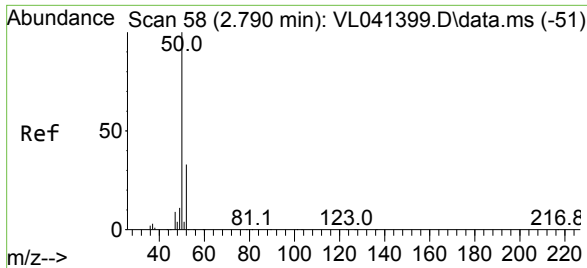
Tgt Ion: 49 Resp: 1121284
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.4
130 59.0 30.8 92.4



#3
Chlorodifluoromethane
Concen: 0.074 ppbv
RT: 2.655 min Scan# 16
Delta R.T. -0.000 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 51 Resp: 9937
Ion Ratio Lower Upper
51 100
67 11.6 14.5 21.7#

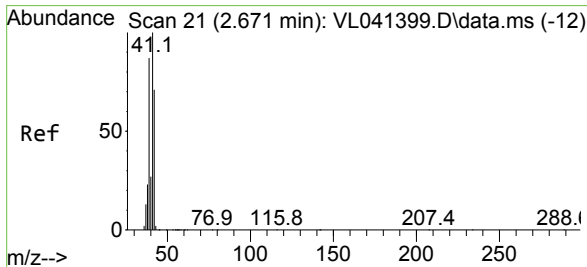
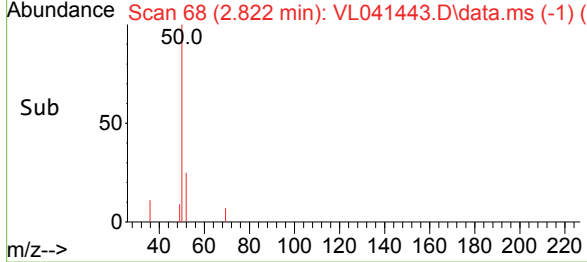
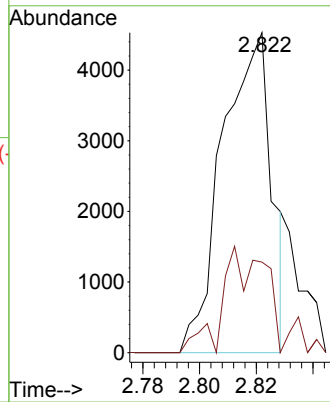
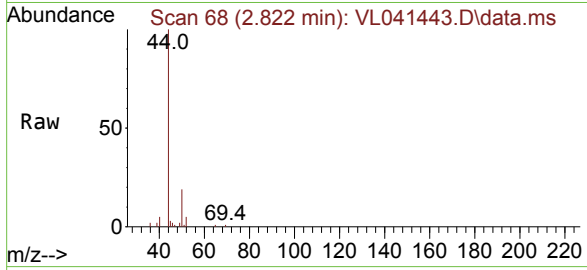




#4
Chloromethane
Concen: 0.076 ppbv
RT: 2.822 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

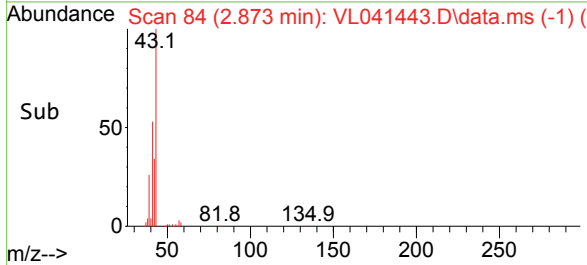
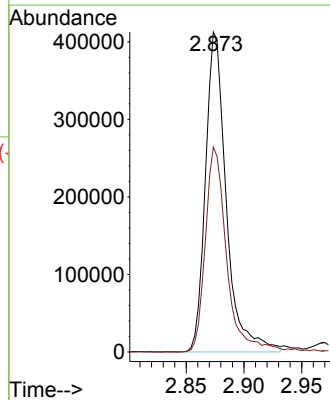
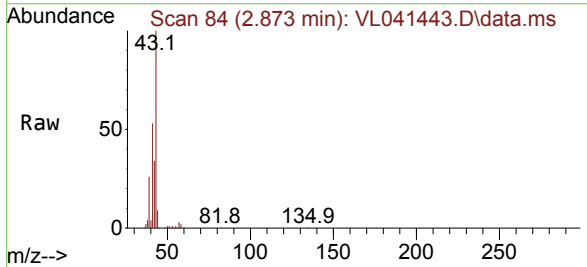
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

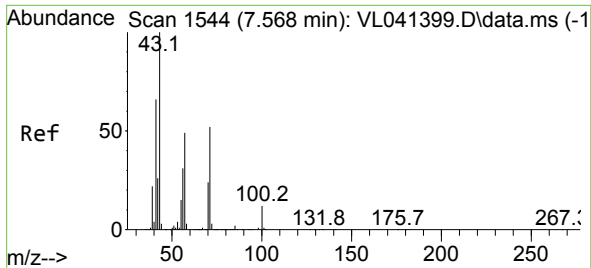
Tgt Ion: 50 Resp: 5430
Ion Ratio Lower Upper
50 100
52 28.3 26.1 39.1



#9
Propene
Concen: 8.480 ppbv
RT: 2.873 min Scan# 84
Delta R.T. 0.202 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 41 Resp: 520003
Ion Ratio Lower Upper
41 100
42 66.4 55.9 83.9

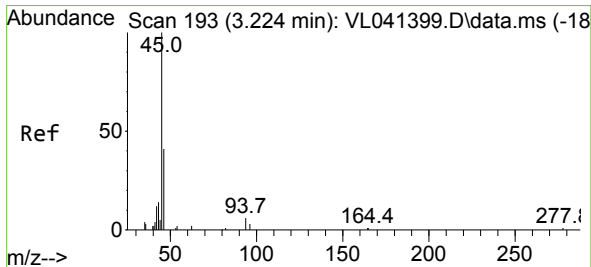
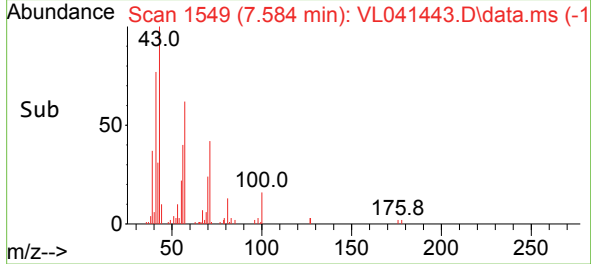
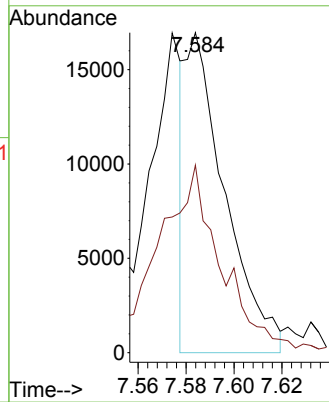
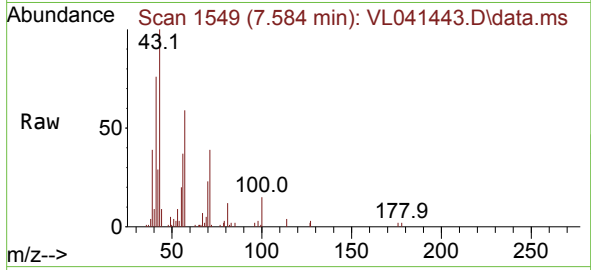




#10
Heptane
Concen: 0.140 ppbv
RT: 7.584 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

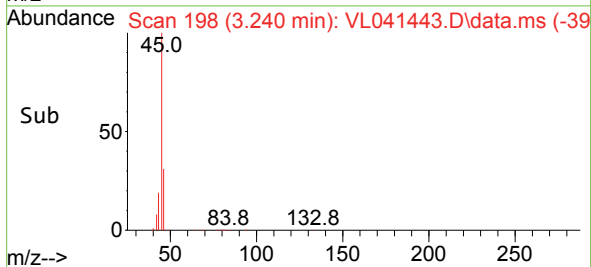
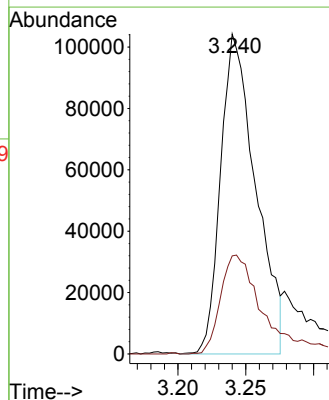
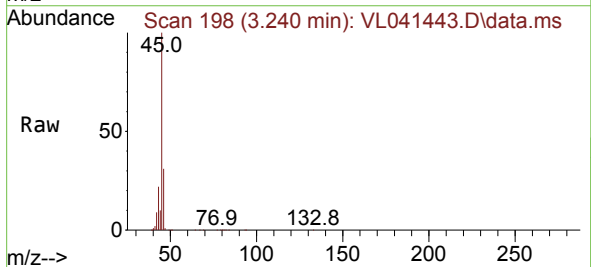
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

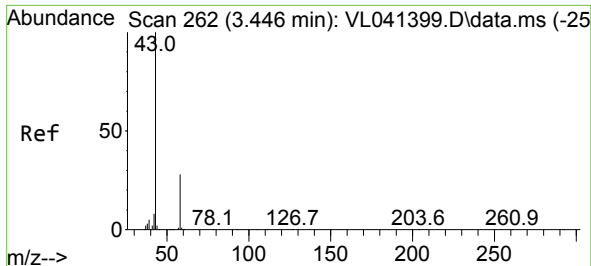
Tgt Ion: 43 Resp: 19289
Ion Ratio Lower Upper
43 100
57 99.7 40.5 60.7#



#13
Ethanol
Concen: 34.219 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 45 Resp: 187543
Ion Ratio Lower Upper
45 100
46 40.4 13.4 53.4

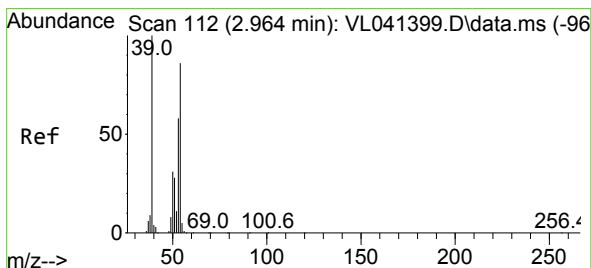
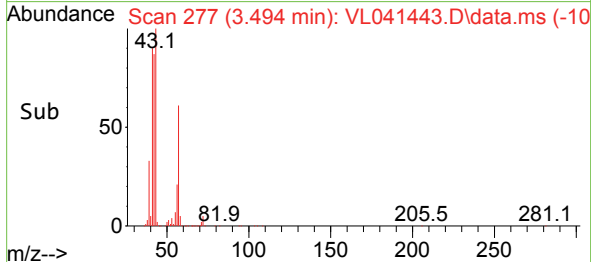
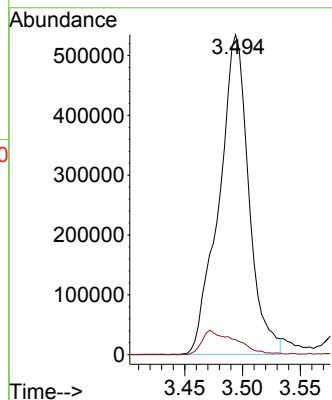
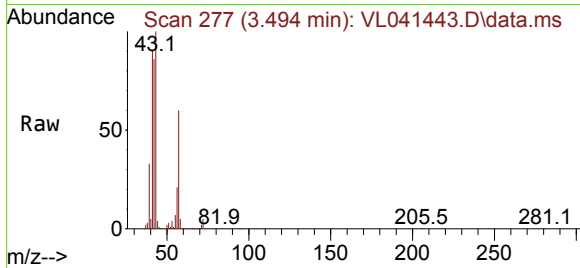




#15
Acetone
Concen: 7.546 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

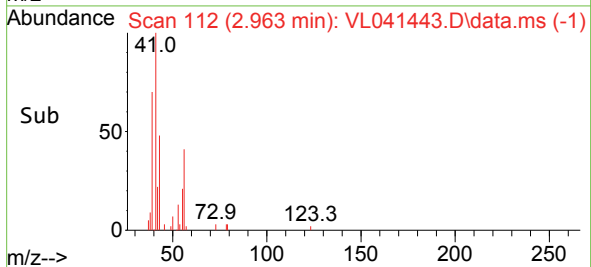
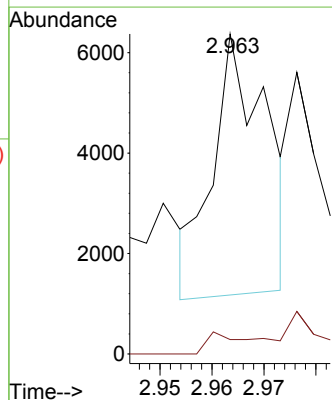
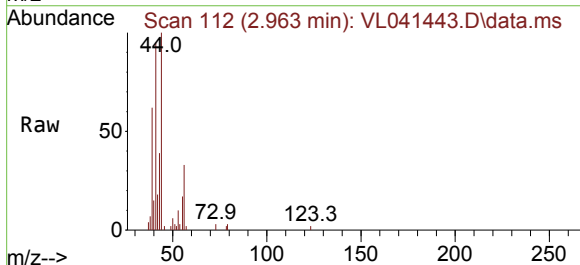
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

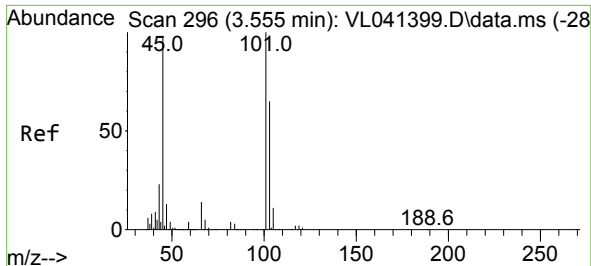
Tgt Ion: 43 Resp: 961386
Ion Ratio Lower Upper
43 100
58 8.9 21.4 32.2#



#16
1,3-Butadiene
Concen: 0.054 ppbv
RT: 2.963 min Scan# 112
Delta R.T. -0.003 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 39 Resp: 3709
Ion Ratio Lower Upper
39 100
54 16.1 62.5 93.7#





#19

Isopropyl Alcohol

Concen: 3.019 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.026 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

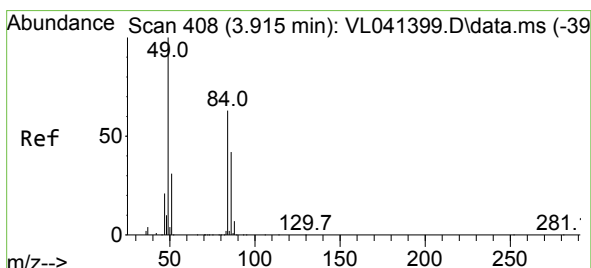
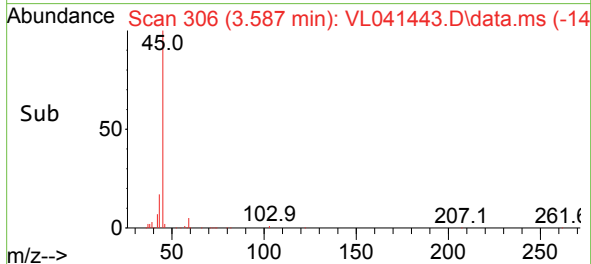
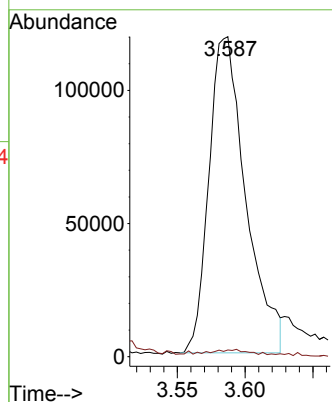
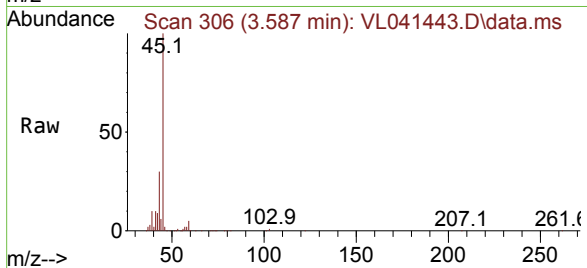
ACVI-IA-03DDL

Tgt Ion: 45 Resp: 224837

Ion Ratio Lower Upper

45 100

58 2.7 1.9 2.9



#20

Methylene Chloride

Concen: 1.741 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.019 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Tgt Ion: 84 Resp: 82720

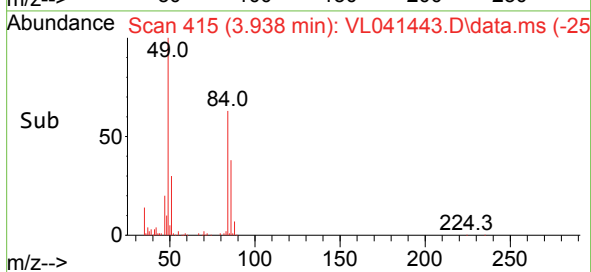
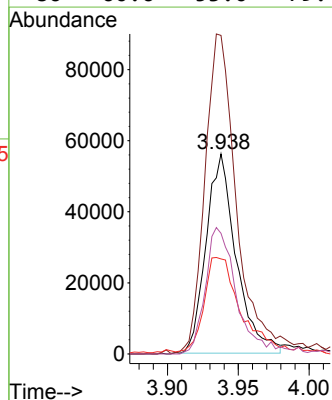
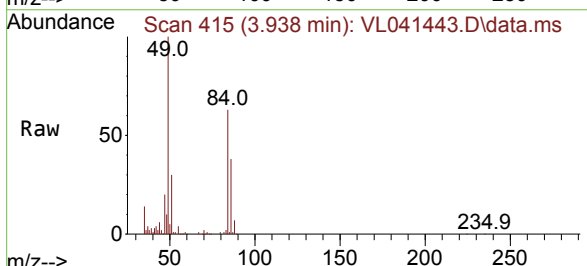
Ion Ratio Lower Upper

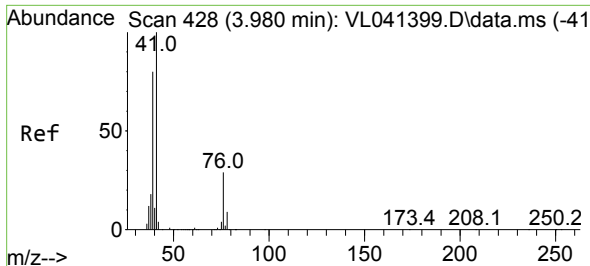
84 100

49 158.8 126.6 190.0

51 46.2 38.6 58.0

86 60.6 53.0 79.4





#21

Allyl Chloride

Concen: 0.253 ppbv

RT: 3.963 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL

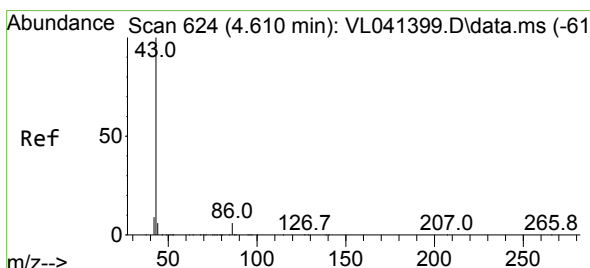
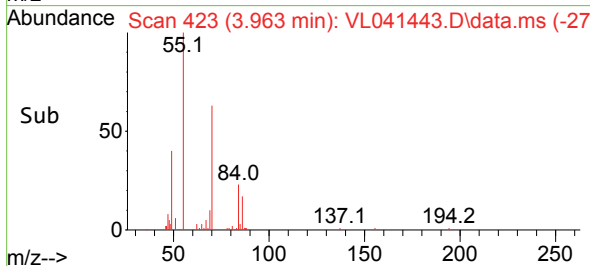
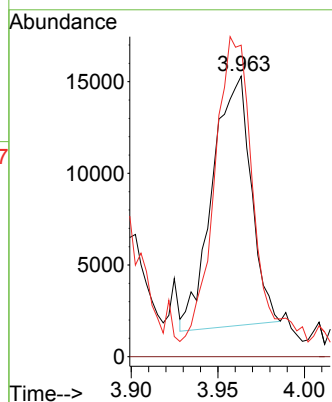
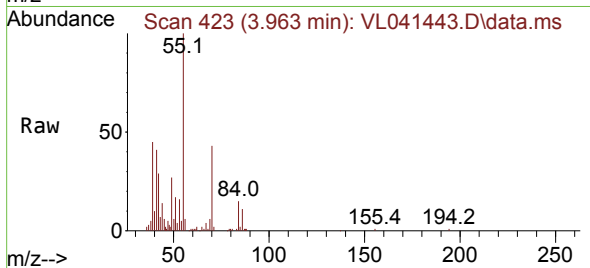
Tgt Ion: 41 Resp: 21121

Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

39 133.4 64.3 96.5#



#23

Vinyl Acetate

Concen: 0.685 ppbv

RT: 4.610 min Scan# 624

Delta R.T. -0.003 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Tgt Ion: 43 Resp: 66697

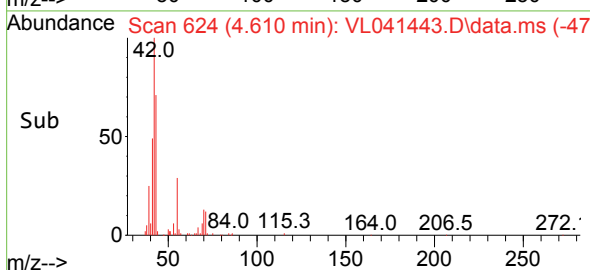
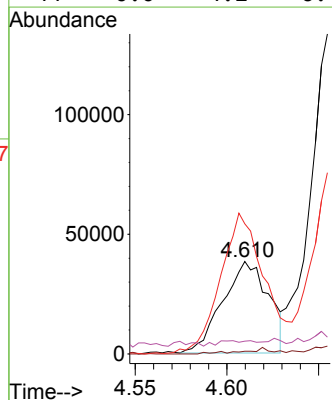
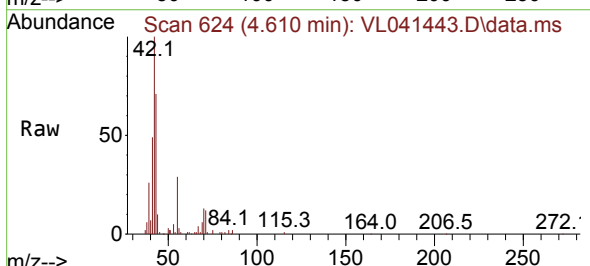
Ion Ratio Lower Upper

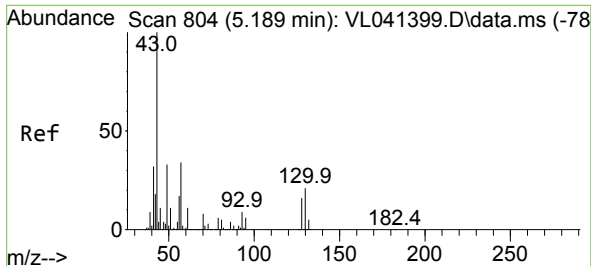
43 100

86 3.0 4.6 6.8#

42 136.7 7.9 11.9#

44 0.0 4.2 6.4#





#25

Ethyl Acetate

Concen: 0.821 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.019 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL

Tgt Ion: 43 Resp: 207736

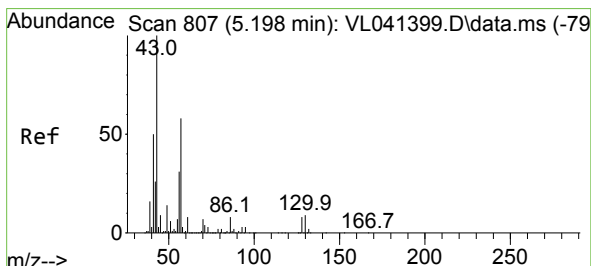
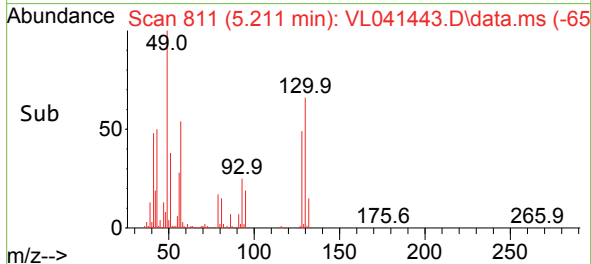
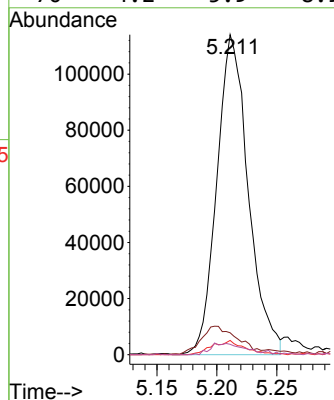
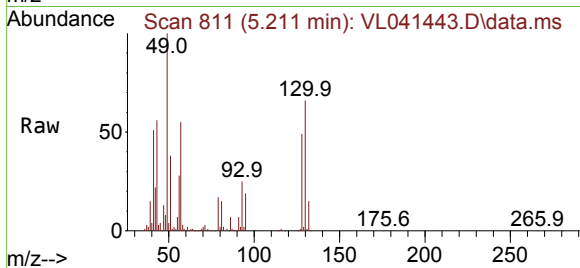
Ion Ratio Lower Upper

43 100

45 12.4 8.5 12.7

61 4.8 8.0 12.0#

70 4.2 5.9 8.9#



#26

Hexane

Concen: 1.891 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.013 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Tgt Ion: 57 Resp: 198526

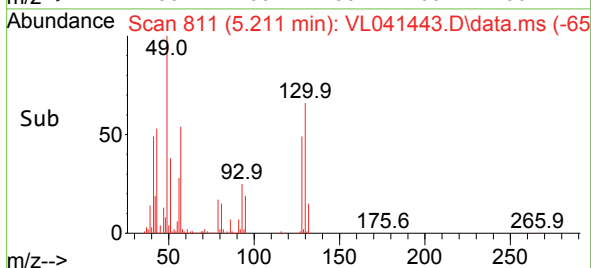
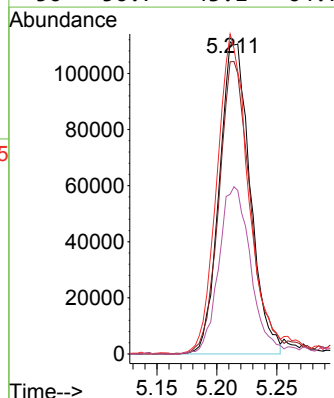
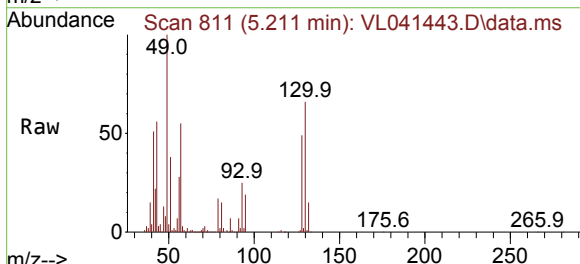
Ion Ratio Lower Upper

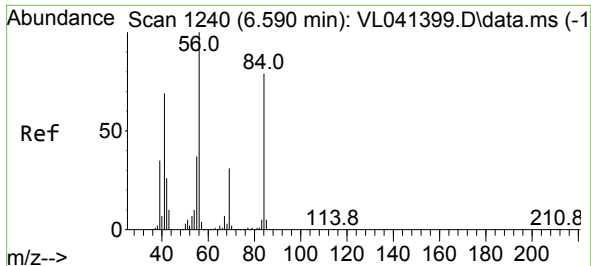
57 100

41 98.3 74.0 111.0

43 108.8 193.6 290.4#

56 56.7 43.1 64.7

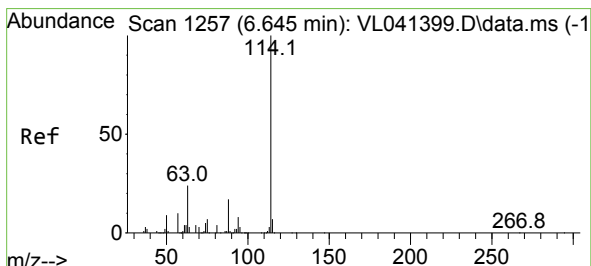
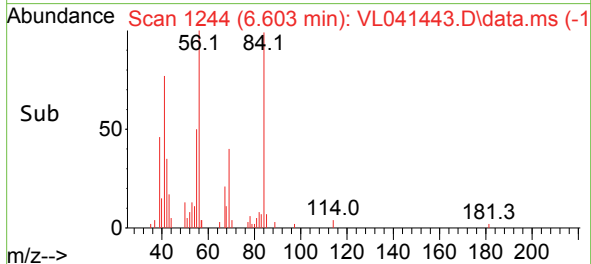
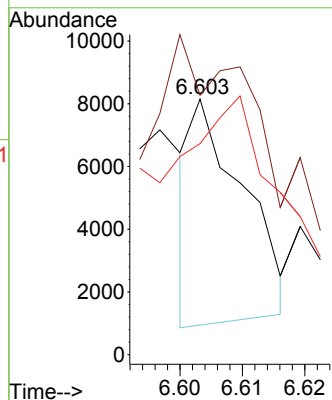
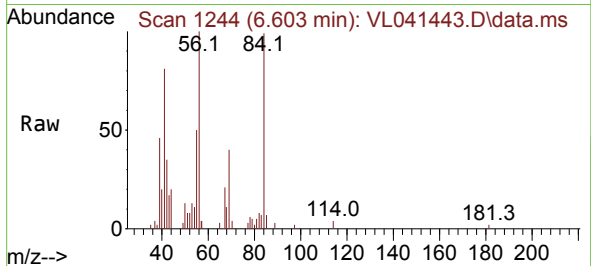




#30
Cyclohexane
Concen: 0.049 ppbv
RT: 6.603 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

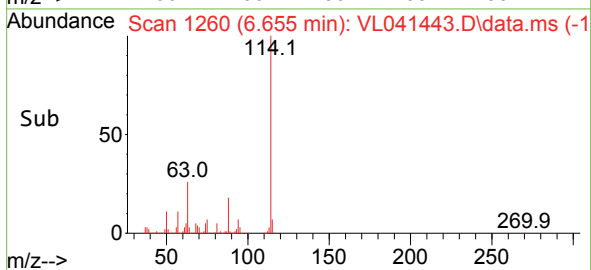
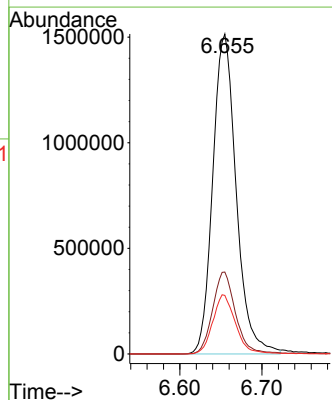
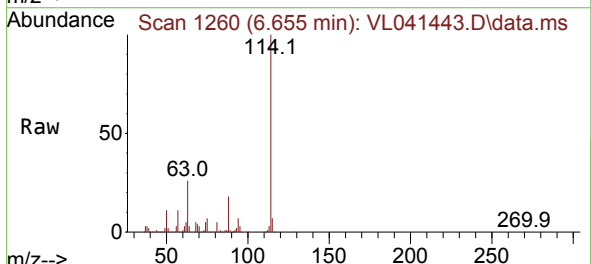
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

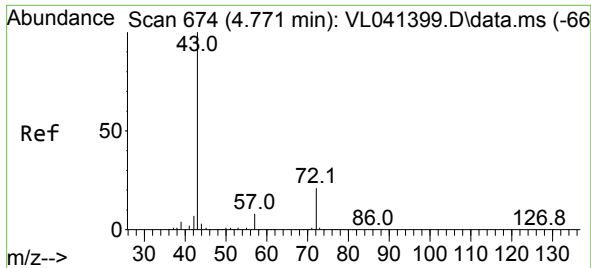
Tgt Ion: 84 Resp: 4162
Ion Ratio Lower Upper
84 100
56 431.3 111.2 166.8#
41 373.6 70.3 105.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.010 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 114 Resp: 3012636
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 18.1 14.3 21.5

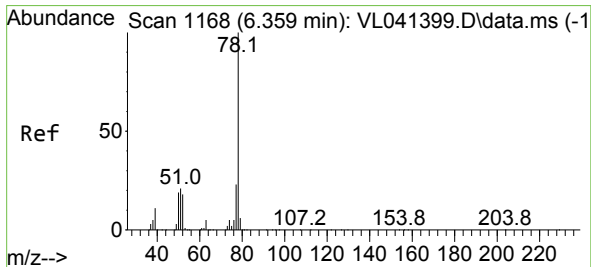
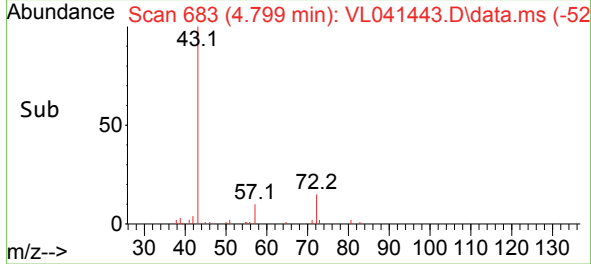
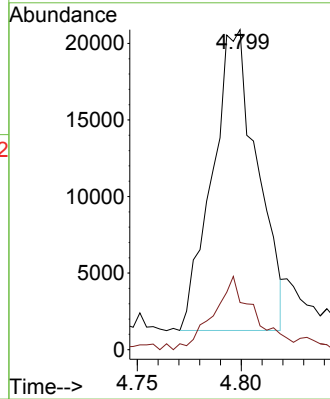
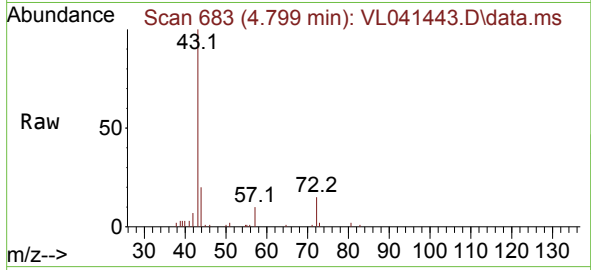




#34
2-Butanone
Concen: 0.203 ppbv
RT: 4.799 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

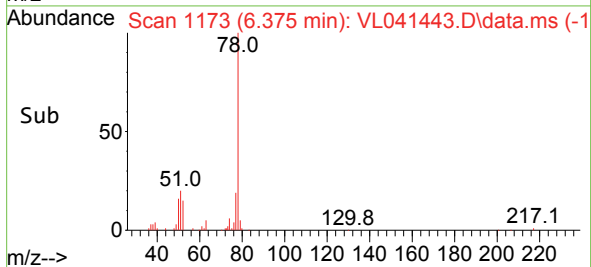
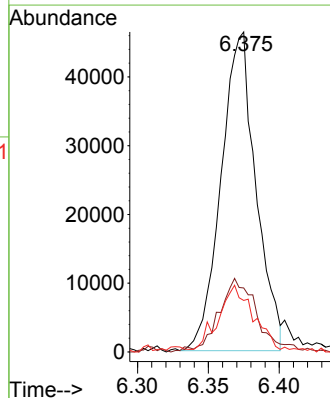
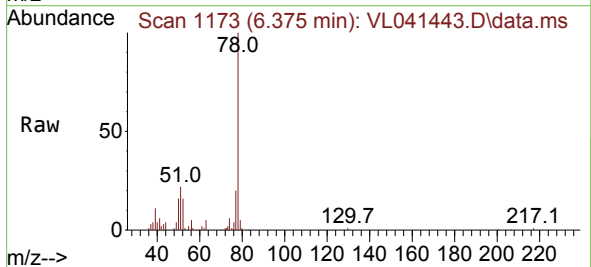
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

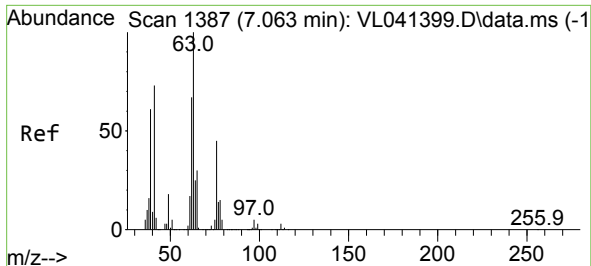
Tgt Ion: 43 Resp: 29513
Ion Ratio Lower Upper
43 100
72 25.4 17.3 25.9



#36
Benzene
Concen: 0.360 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.016 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 78 Resp: 79316
Ion Ratio Lower Upper
78 100
77 19.7 18.1 27.1
50 15.4 15.5 23.3#





#39

1,2-Dichloropropane

Concen: 8.959 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.408 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL

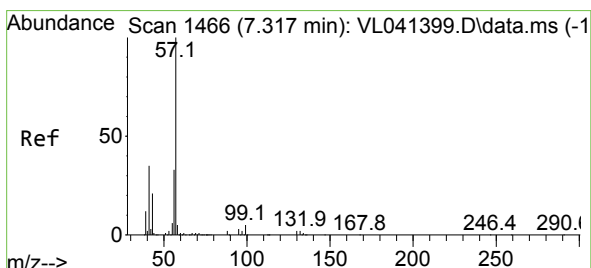
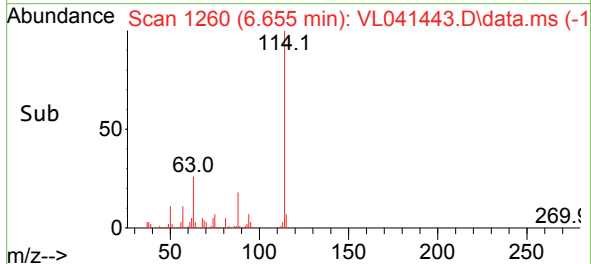
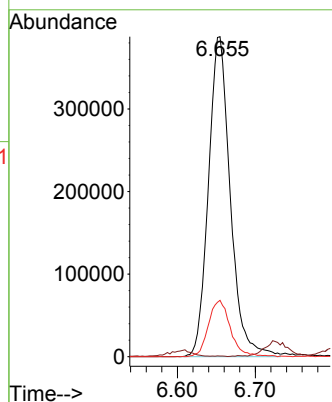
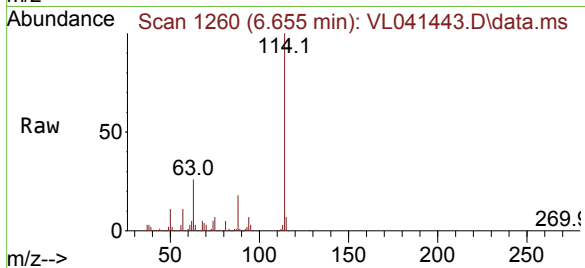
Tgt Ion: 63 Resp: 755017

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.6 53.9 80.9#



#44

2,2,4-Trimethylpentane

Concen: 0.264 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. 0.013 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

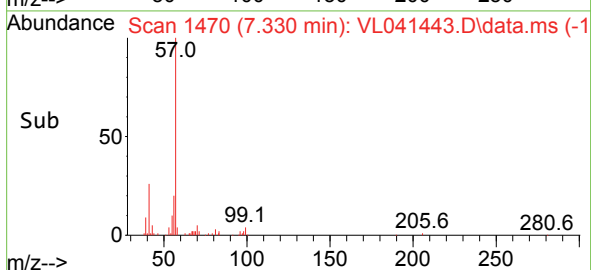
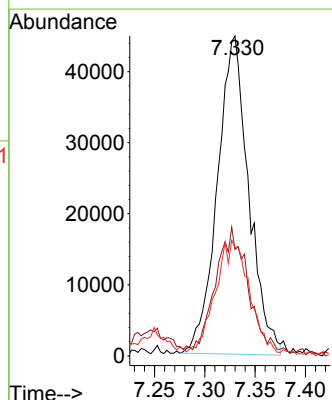
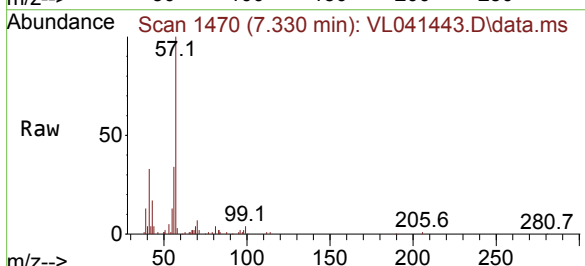
Tgt Ion: 57 Resp: 97231

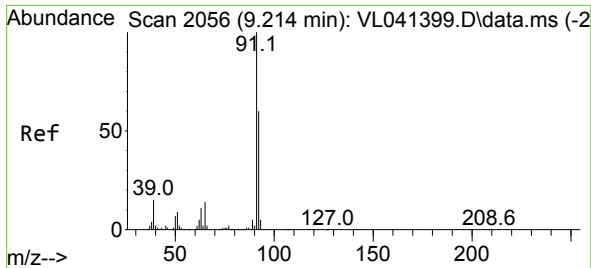
Ion Ratio Lower Upper

57 100

41 44.4 27.0 40.6#

56 41.2 25.2 37.8#





#53

Toluene

Concen: 1.573 ppbv

RT: 9.217 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

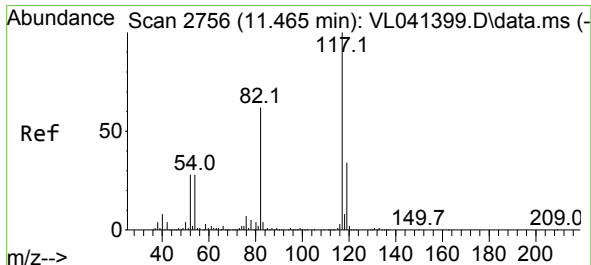
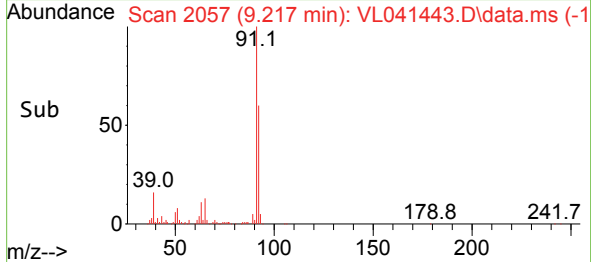
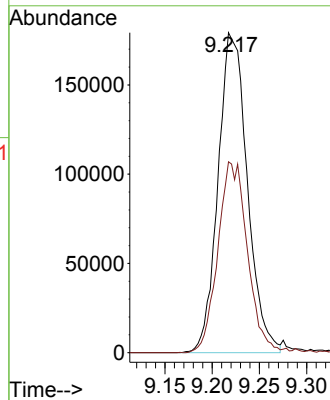
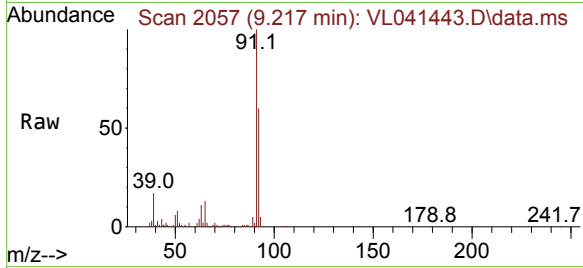
ACVI-IA-03DDL

Tgt Ion: 91 Resp: 385631

Ion Ratio Lower Upper

91 100

92 61.1 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: VL041443.D

Acq: 30 Jul 2024 00:30

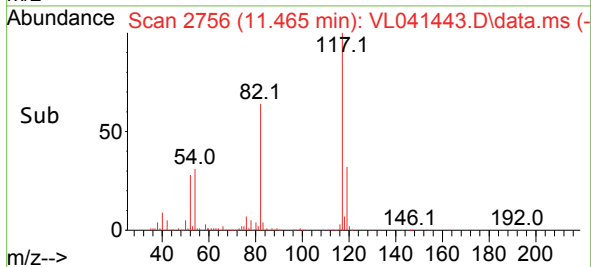
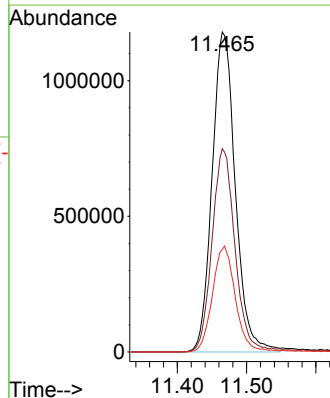
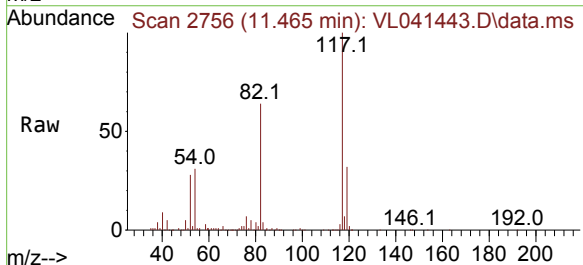
Tgt Ion: 117 Resp: 2747809

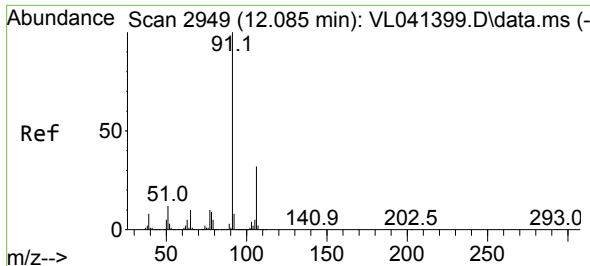
Ion Ratio Lower Upper

117 100

82 64.1 51.0 76.6

119 33.0 45.2 67.8#

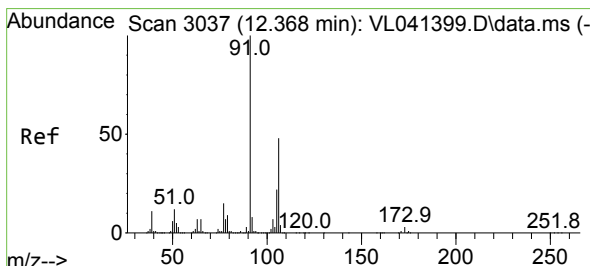
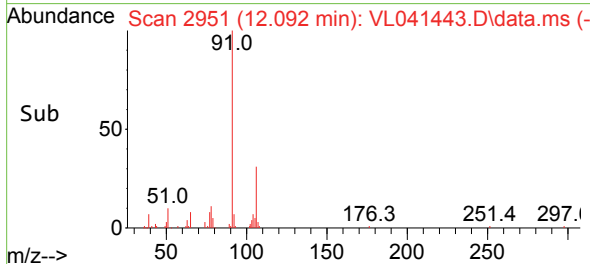
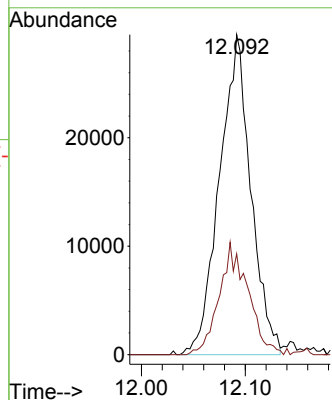
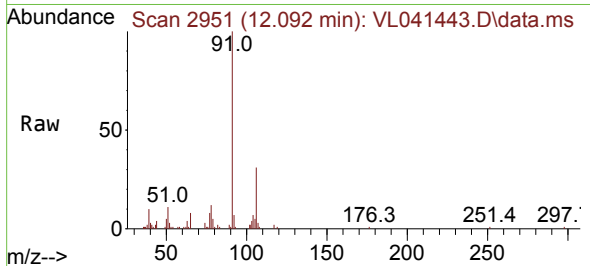




#58
Ethyl Benzene
Concen: 0.195 ppbv
RT: 12.092 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

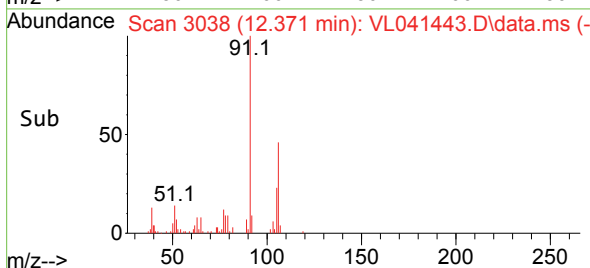
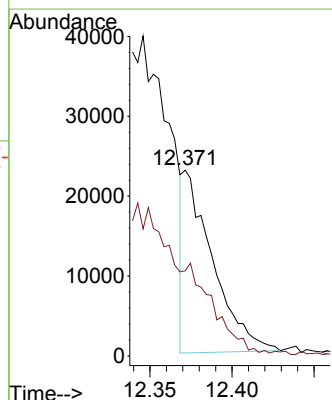
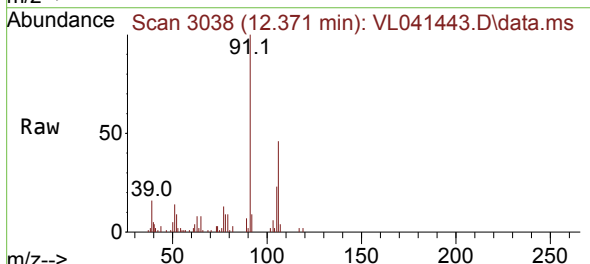
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

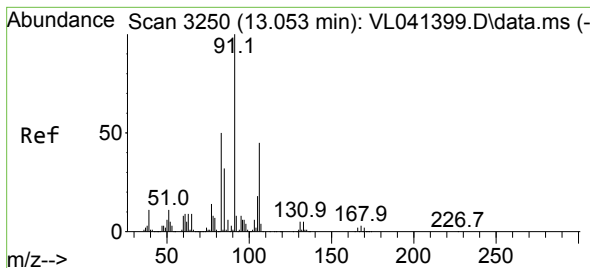
Tgt Ion: 91 Resp: 61838
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8



#59
m/p-Xylene
Concen: 0.104 ppbv
RT: 12.371 min Scan# 3038
Delta R.T. 0.003 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 91 Resp: 28570
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5#

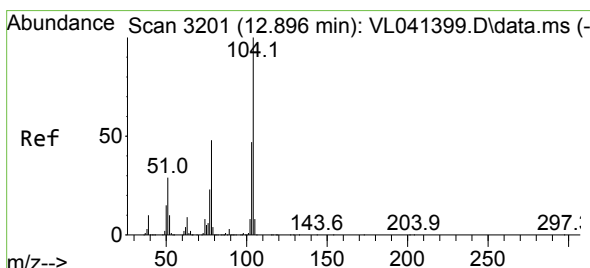
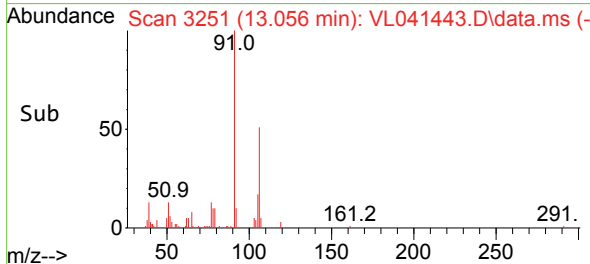
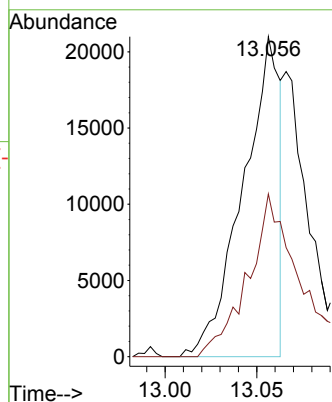
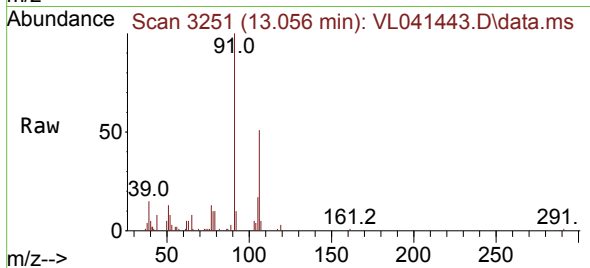




#60
o-Xylene
Concen: 0.114 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

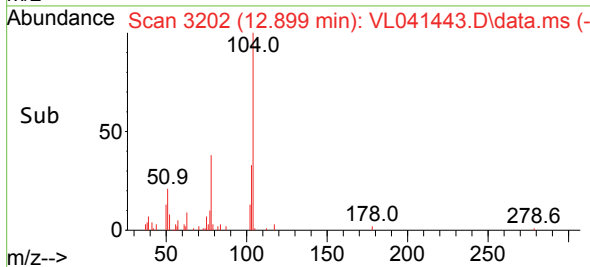
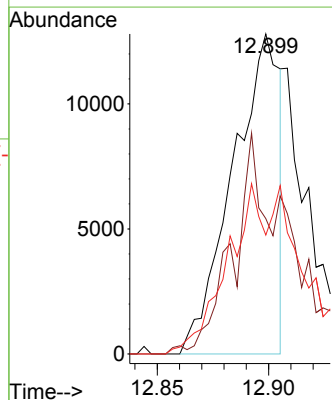
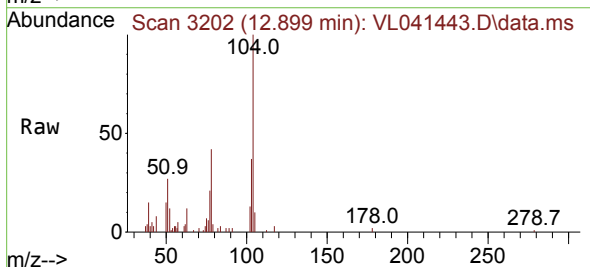
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

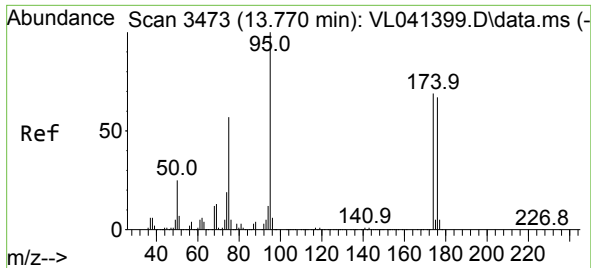
Tgt Ion: 91 Resp: 29440
Ion Ratio Lower Upper
91 100
106 71.8 23.1 69.3#



#61
Styrene
Concen: 0.161 ppbv
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 104 Resp: 18798
Ion Ratio Lower Upper
104 100
78 85.4 40.8 61.2#
103 83.0 38.2 57.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.055 ppbv

RT: 13.777 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041443.D

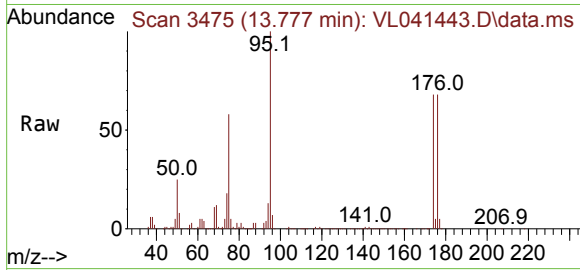
Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL



Tgt Ion: 95 Resp: 2126201

Ion Ratio Lower Upper

95 100

174 71.2 56.3 84.5

175 5.1 4.0 6.0

