

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041444.D
 Acq On : 30 Jul 2024 1:11
 Operator : SY/MD
 Sample : P3342-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-04

Quant Time: Jul 30 02:57:18 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	5.198	49	1048126	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.658	114	2834572	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.468	117	2594932	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1988460	9.957	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	90554	0.502	ppbv	93
3) Chlorodifluoromethane	2.658	51	171010	1.371	ppbv #	69
4) Chloromethane	2.822	50	45631	0.688	ppbv	90
7) Chloroethane	3.086	64	9217	0.408	ppbv #	51
9) Propene	2.880	41	1609658	28.082	ppbv	97
10) Heptane	7.584	43	570412	4.429	ppbv	100
11) Trichlorofluoromethane	3.568	101	35994	0.225	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.073	101	7838	0.068	ppbv #	82
13) Ethanol	3.246	45	2878922	561.959	ppbv	97
15) Acetone	3.468	43	4522786	37.978	ppbv #	83
16) 1,3-Butadiene	2.970	39	32948	0.518	ppbv #	10
17) tert-Butyl alcohol	3.902	59	44213	0.407	ppbv #	72
19) Isopropyl Alcohol	3.584	45	1294606	18.595	ppbv #	1
20) Methylene Chloride	3.938	84	91184	2.053	ppbv	92
21) Allyl Chloride	3.963	41	136287	1.745	ppbv #	58
23) Vinyl Acetate	4.616	43	571385	6.282	ppbv #	1
25) Ethyl Acetate	5.217	43	1410217	5.961	ppbv #	89
26) Hexane	5.217	57	1727804	17.605	ppbv #	42
27) Carbon Disulfide	4.131	76	11107	0.097	ppbv #	27
29) Chloroform	5.282	83	20531	0.128	ppbv	85
30) Cyclohexane	6.610	84	97906	1.225	ppbv	87
31) cis-1,2-Dichloroethene	5.201	61	33376	0.344	ppbv #	27
34) 2-Butanone	4.790	43	189493	1.382	ppbv	97
35) Carbon Tetrachloride	6.497	117	9792	0.063	ppbv #	95
36) Benzene	6.372	78	882730	4.262	ppbv	99
37) 1,2-Dichloroethane	5.815	62	5822	0.050	ppbv #	82
39) 1,2-Dichloropropane	6.658	63	701207	8.843	ppbv #	26
41) Tetrahydrofuran	5.626	42	7481	0.095	ppbv #	39
42) Bromodichloromethane	7.253	83	37964	0.227	ppbv #	31
44) 2,2,4-Trimethylpentane	7.330	57	1460577	4.222	ppbv #	86
50) 4-Methyl-2-Pentanone	8.192	43	40399	0.187	ppbv	100
51) 2-Hexanone	9.532	43	90608	0.554	ppbv #	42
53) Toluene	9.224	91	4829863	20.935	ppbv	99
58) Ethyl Benzene	12.085	91	889290	2.973	ppbv	96
59) m/p-Xylene	12.346	91	1577061	6.108	ppbv	97
60) o-Xylene	13.060	91	287995	1.179	ppbv #	32
61) Styrene	12.899	104	265634	2.411	ppbv	98
62) Isopropylbenzene	14.034	105	19493	0.052	ppbv #	49
64) n-propylbenzene	14.924	120	3027	0.031	ppbv #	1
65) tert-Butylbenzene	16.098	119	10708	0.032	ppbv #	19
69) p-Isopropyltoluene	16.992	119	19916	0.052	ppbv #	70
71) 2-Chlorotoluene	14.918	91	76407	0.279	ppbv #	43
72) 4-Ethyltoluene	15.198	105	68497	0.238	ppbv #	92

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ClientSampleId :
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Quant Time: Jul 30 02:57:18 2024
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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 Jul 30 02:42:20 2024
Response via : Initial Calibration

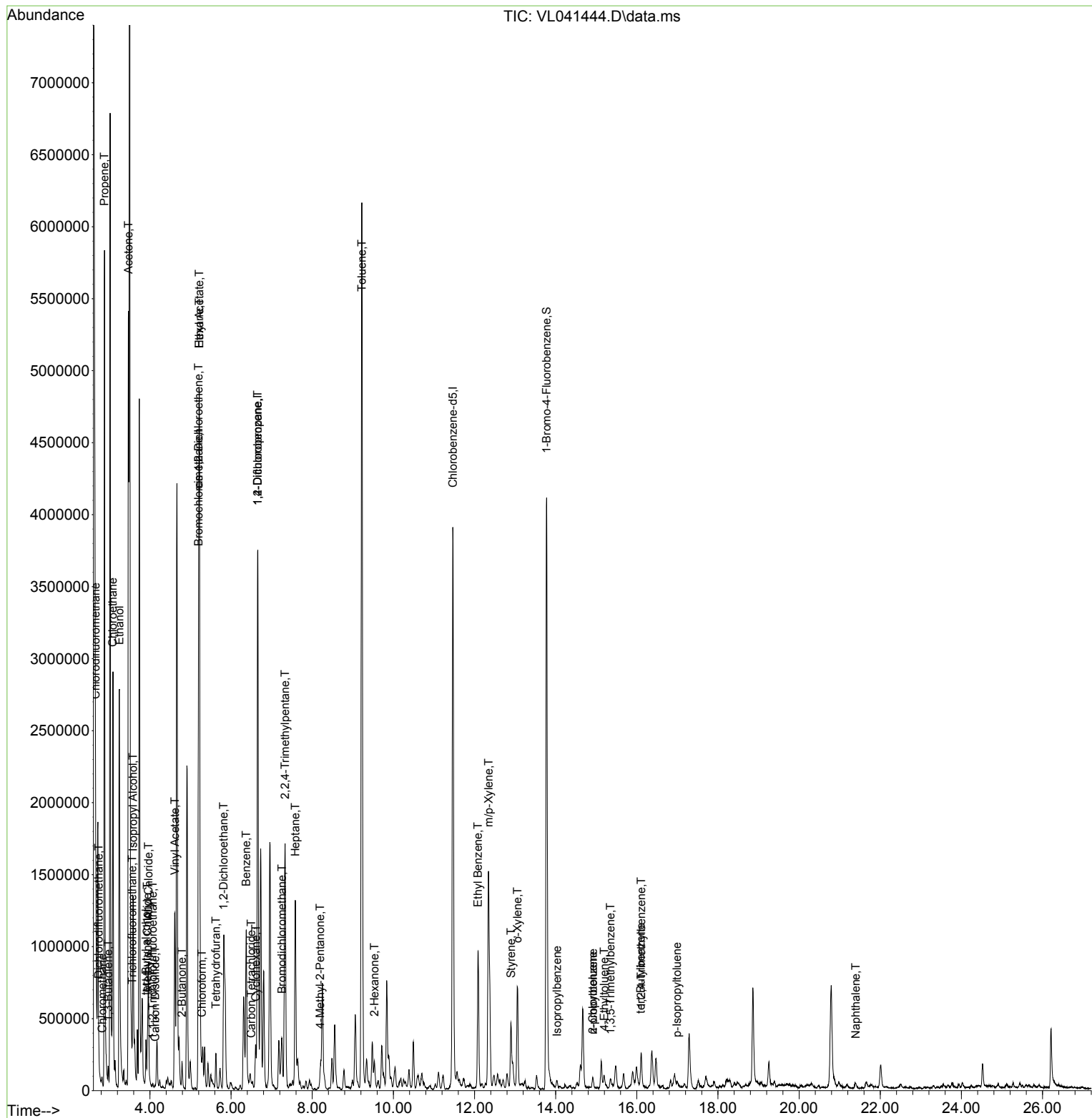
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.352	105	46323	0.187	ppbv	88
74) 1,2,4-Trimethylbenzene	16.108	105	185025	0.642	ppbv #	68
79) Naphthalene	21.394	128	13865	0.055	ppbv	98

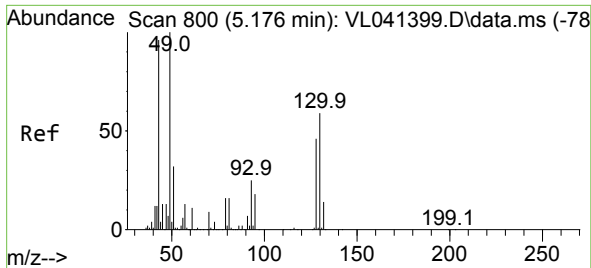
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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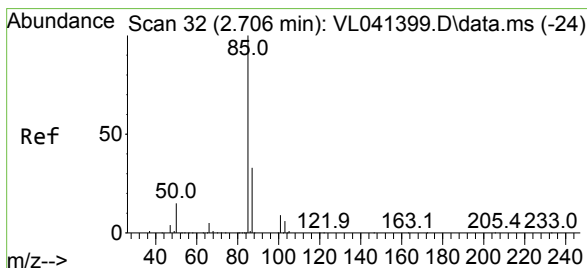
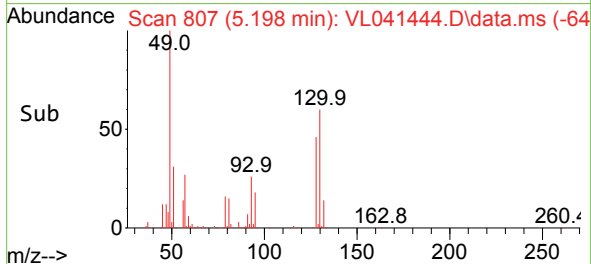
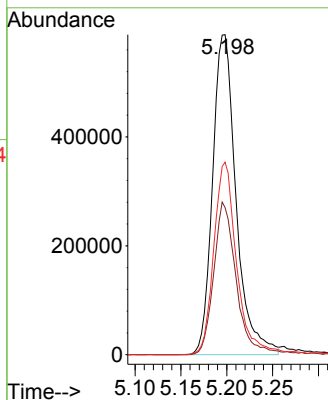
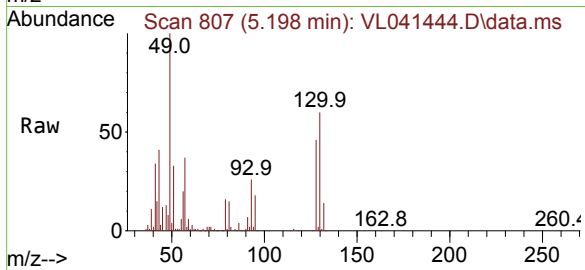




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.019 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

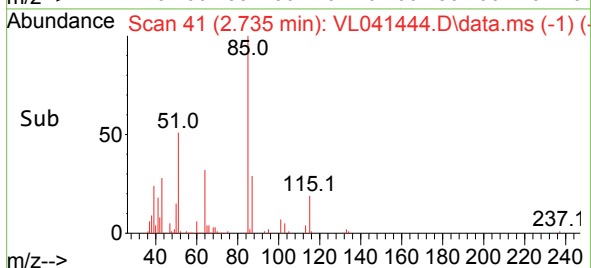
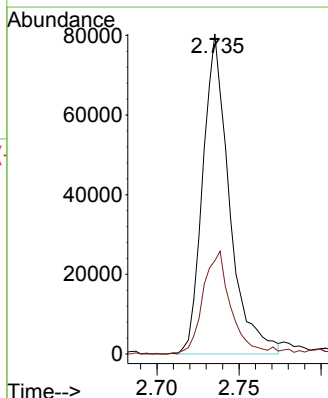
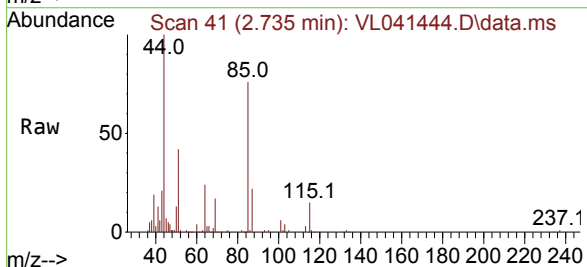
Instrument :
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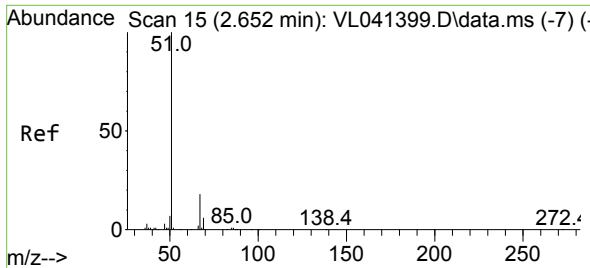
Tgt Ion: 49 Resp: 1048126
Ion Ratio Lower Upper
49 100
128 46.5 23.8 71.4
130 59.6 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.502 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 85 Resp: 90554
Ion Ratio Lower Upper
85 100
87 28.8 26.0 39.0

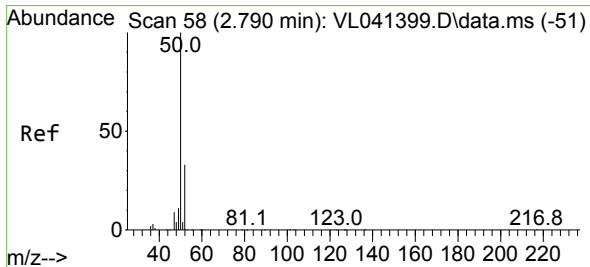
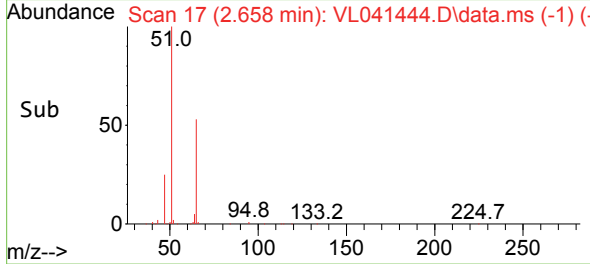
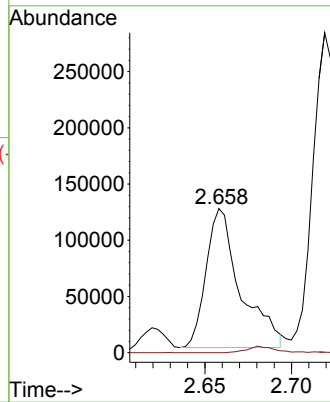
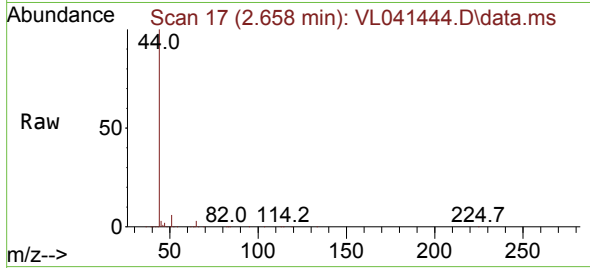




#3
Chlorodifluoromethane
Concen: 1.371 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

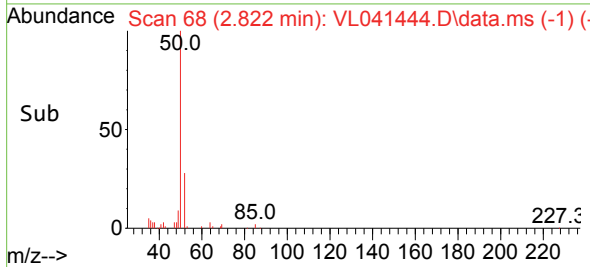
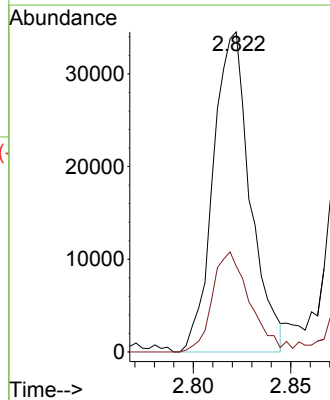
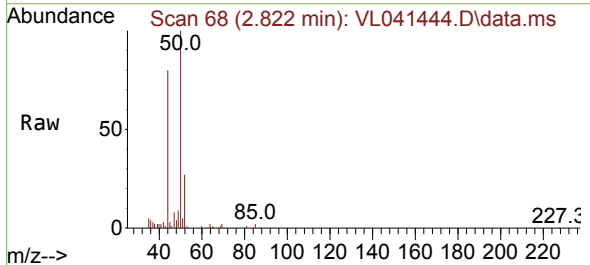
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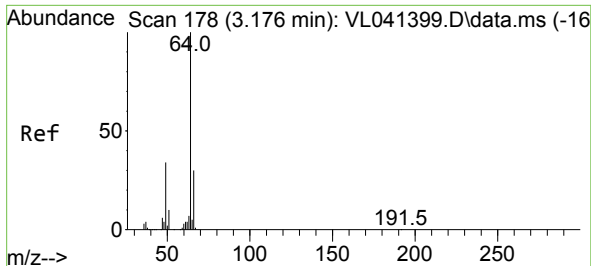
Tgt Ion: 51 Resp: 171010
Ion Ratio Lower Upper
51 100
67 4.2 14.5 21.7#



#4
Chloromethane
Concen: 0.688 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.029 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 50 Resp: 45631
Ion Ratio Lower Upper
50 100
52 26.8 26.1 39.1

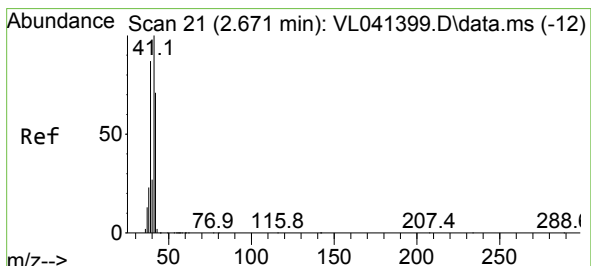
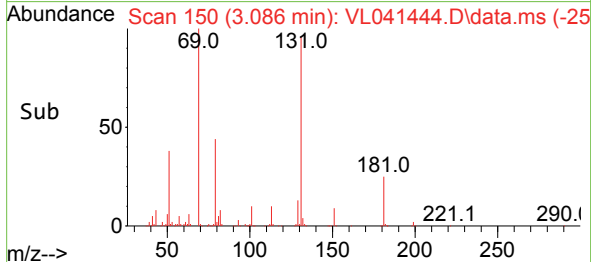
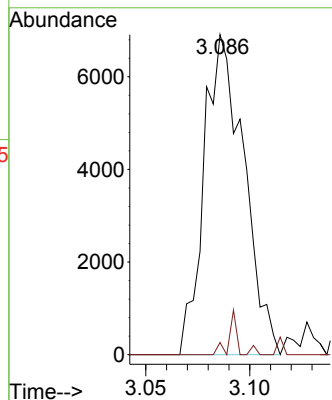
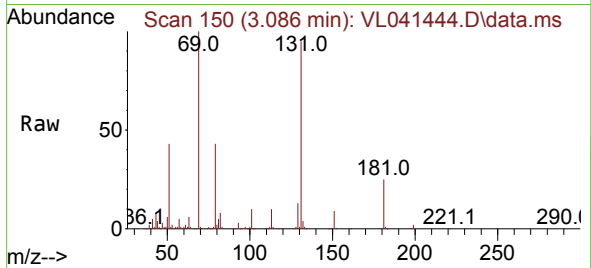




#7
Chloroethane
Concen: 0.408 ppbv
RT: 3.086 min Scan# 11
Delta R.T. -0.096 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

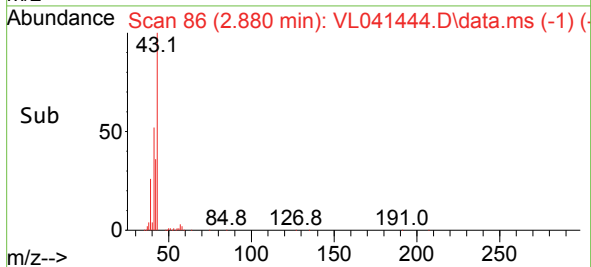
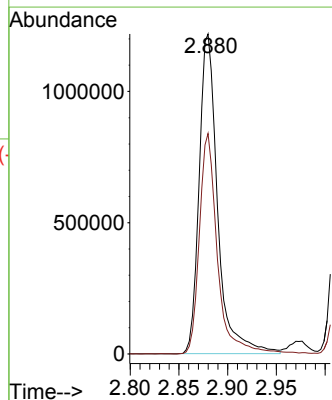
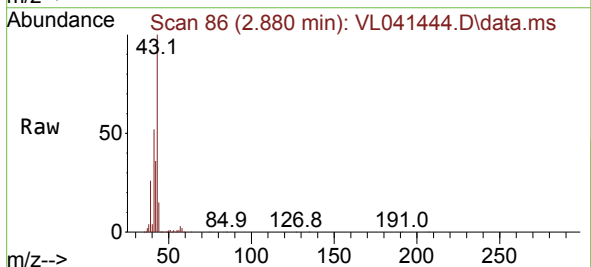
Instrument :
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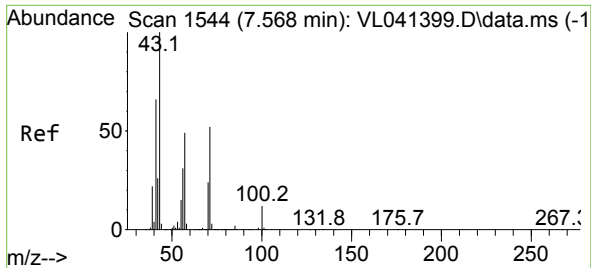
Tgt Ion: 64 Resp: 9217
Ion Ratio Lower Upper
64 100
66 3.8 24.2 36.2#



#9
Propene
Concen: 28.082 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.209 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 41 Resp: 1609658
Ion Ratio Lower Upper
41 100
42 67.4 55.9 83.9

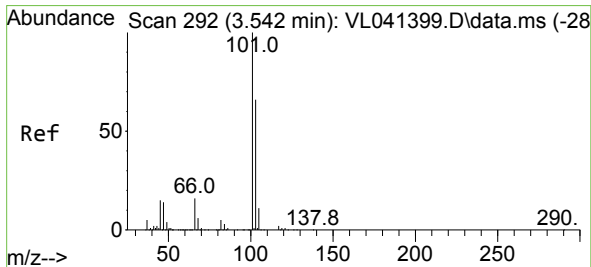
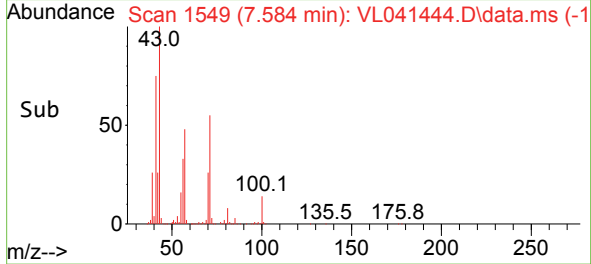
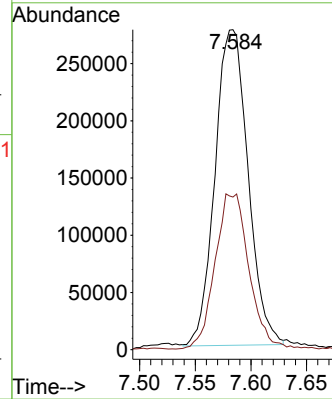
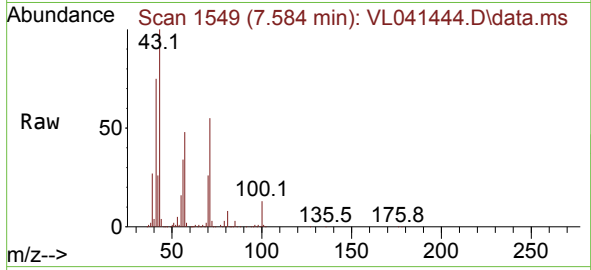




#10
Heptane
Concen: 4.429 ppbv
RT: 7.584 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

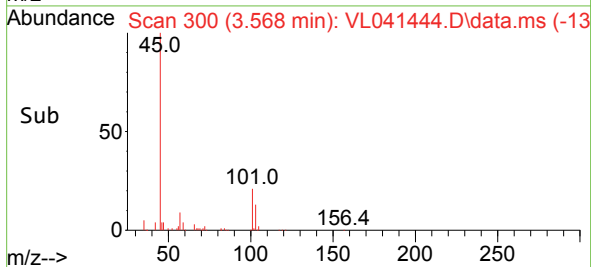
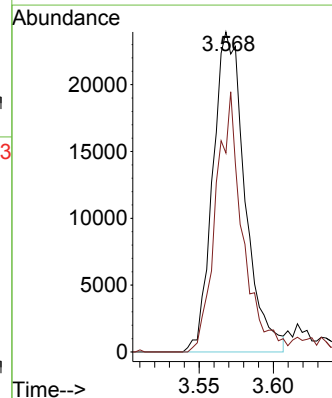
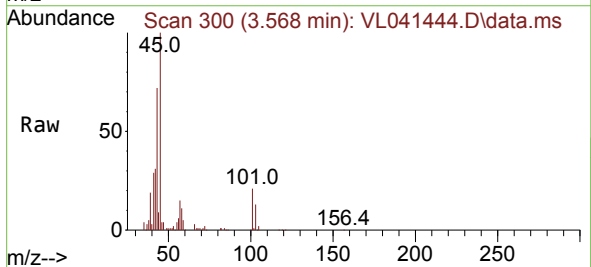
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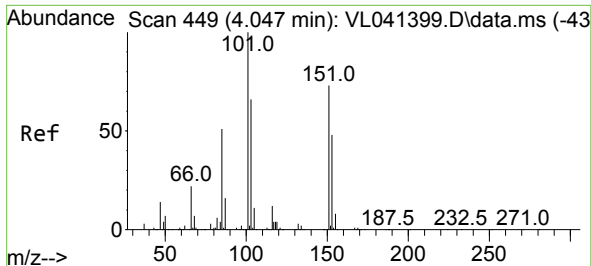
Tgt Ion: 43 Resp: 570412
Ion Ratio Lower Upper
43 100
57 50.7 40.5 60.7



#11
Trichlorofluoromethane
Concen: 0.225 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.022 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 101 Resp: 35994
Ion Ratio Lower Upper
101 100
103 62.1 52.6 79.0

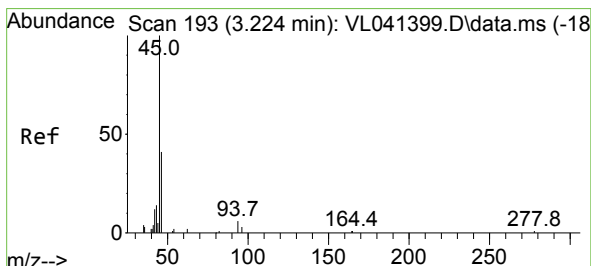
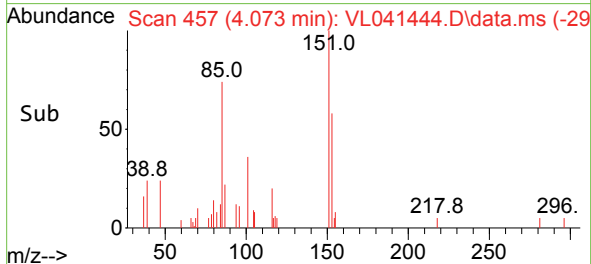
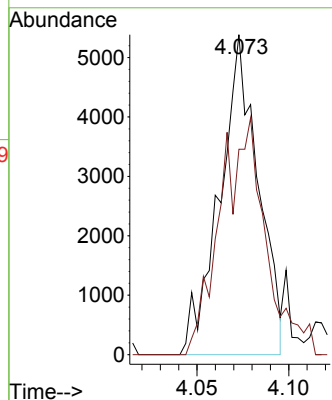
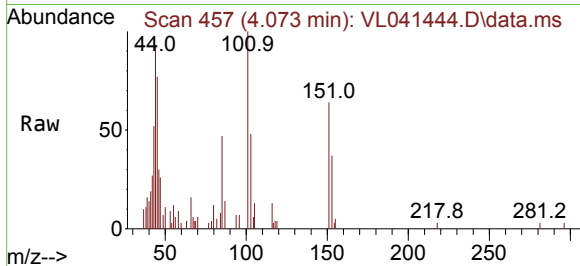




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.068 ppbv
RT: 4.073 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

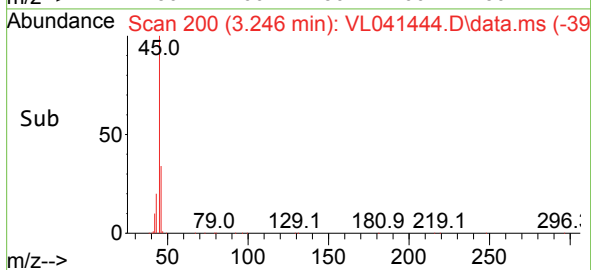
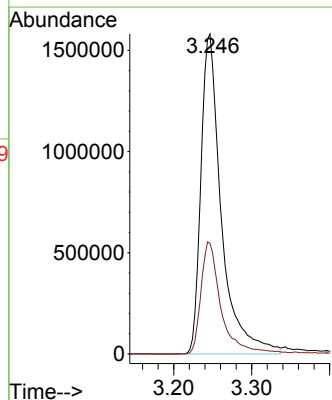
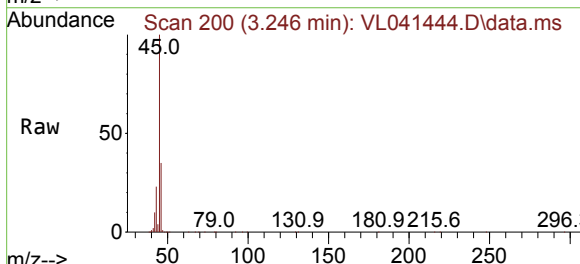
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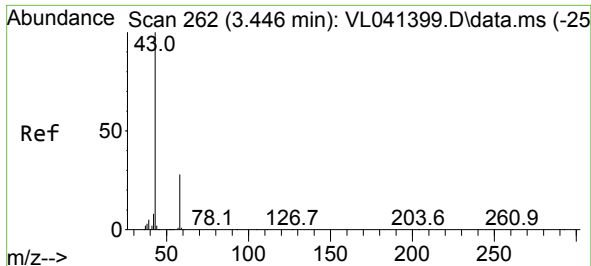
Tgt Ion:101 Resp: 7838
Ion Ratio Lower Upper
101 100
151 89.2 59.4 89.2#



#13
Ethanol
Concen: 561.959 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.019 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 45 Resp: 2878922
Ion Ratio Lower Upper
45 100
46 35.1 13.4 53.4

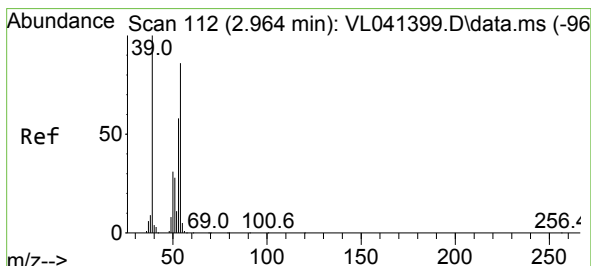
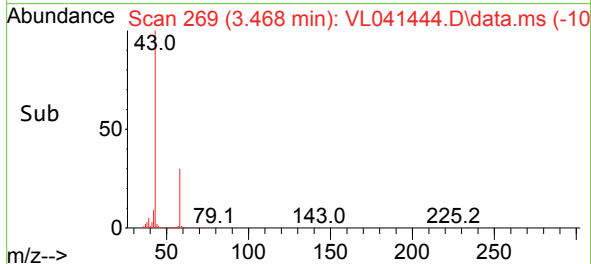
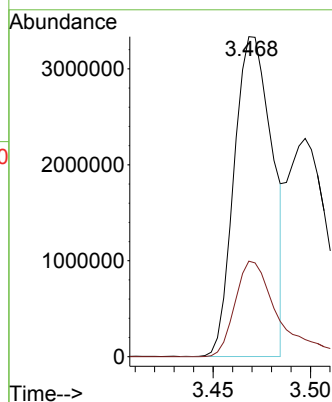
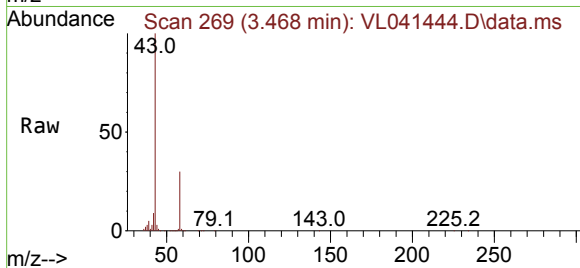




#15
Acetone
Concen: 37.978 ppbv
RT: 3.468 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

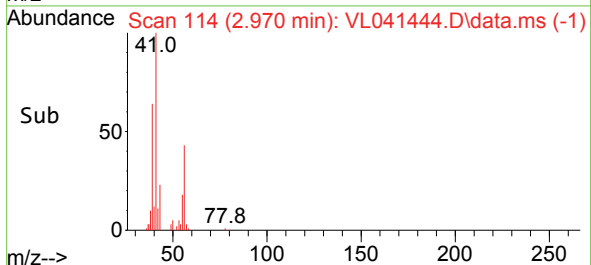
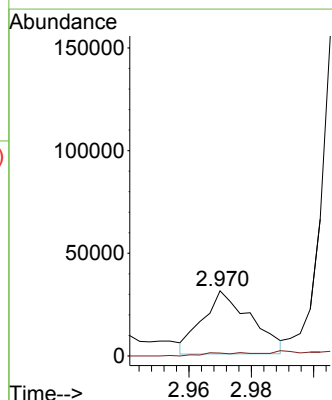
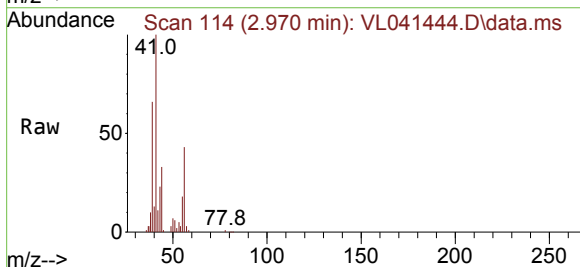
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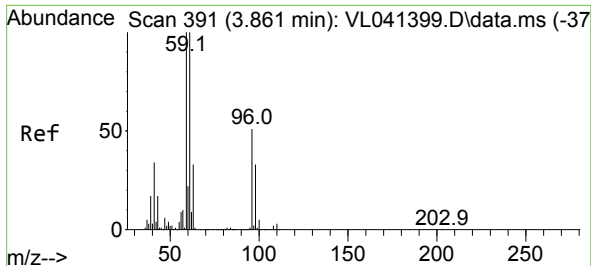
Tgt Ion: 43 Resp: 4522786
Ion Ratio Lower Upper
43 100
58 35.5 21.4 32.2#



#16
1,3-Butadiene
Concen: 0.518 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 39 Resp: 32948
Ion Ratio Lower Upper
39 100
54 0.0 62.5 93.7#

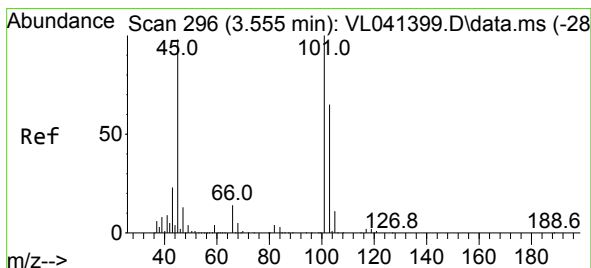
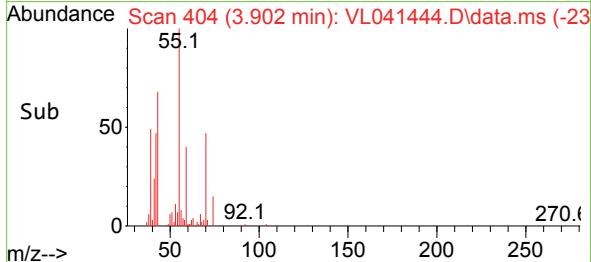
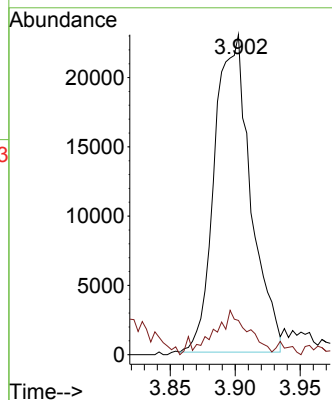
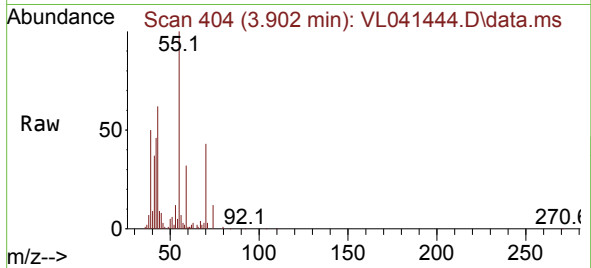




#17
tert-Butyl alcohol
Concen: 0.407 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.042 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

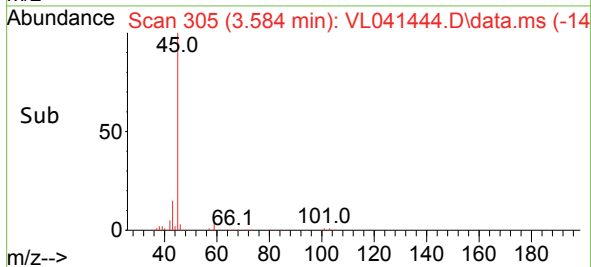
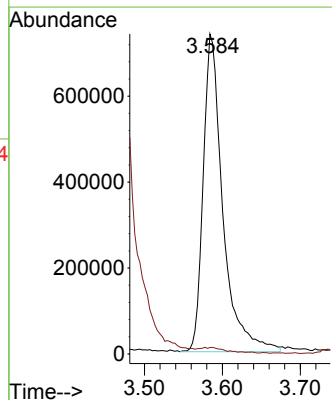
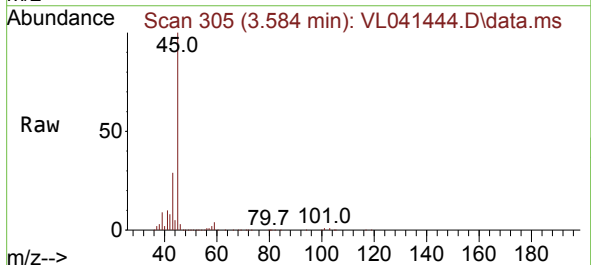
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

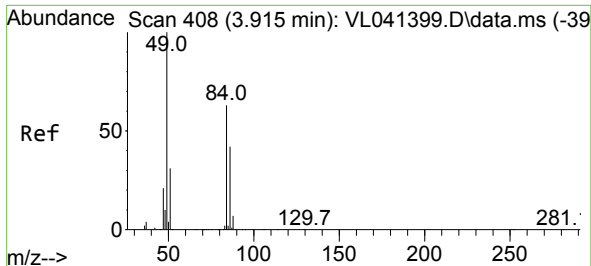
Tgt Ion: 59 Resp: 44213
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 18.595 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.022 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 45 Resp: 1294606
Ion Ratio Lower Upper
45 100
58 123.8 1.9 2.9#

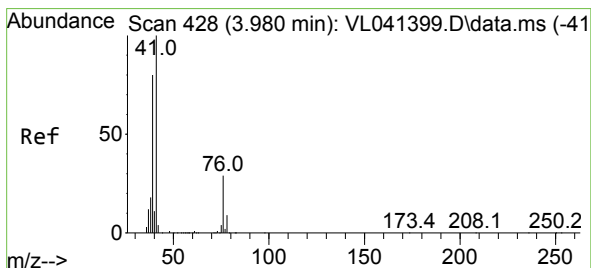
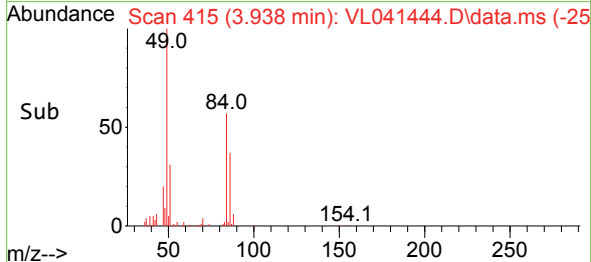
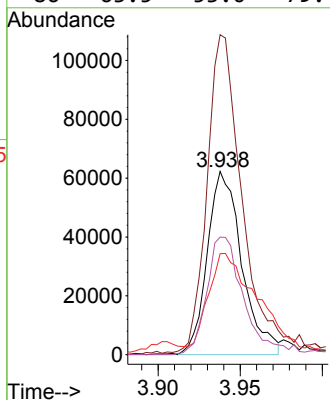
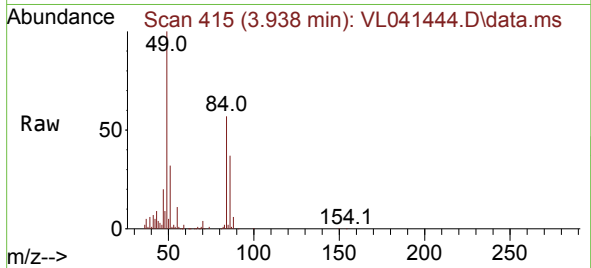




#20
Methylene Chloride
Concen: 2.053 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.019 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

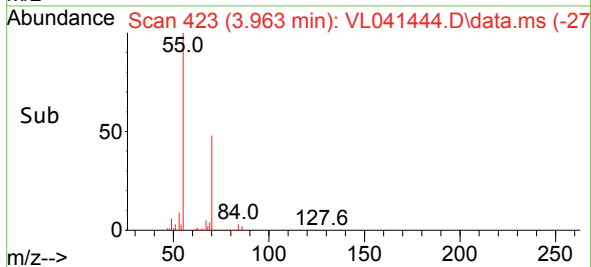
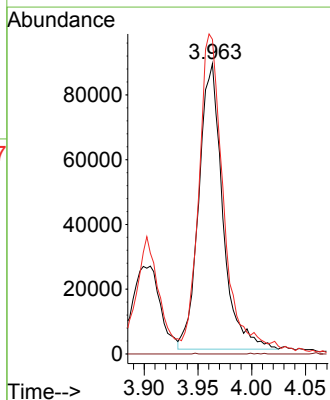
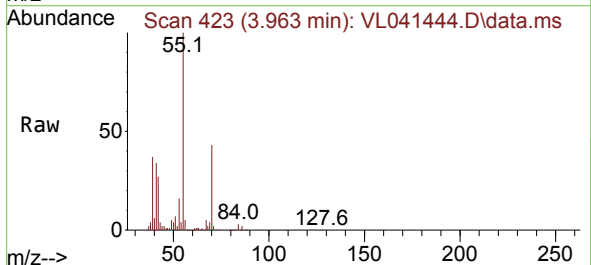
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

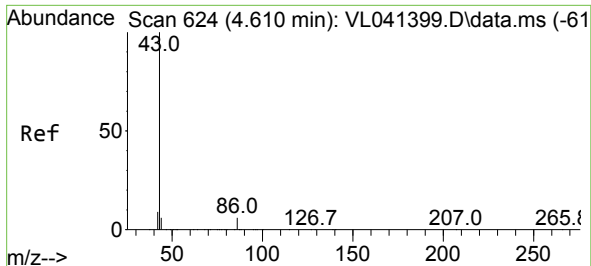
Tgt Ion: 84	Resp: 91184		
Ion	Ratio	Lower	Upper
84	100		
49	172.8	126.6	190.0
51	50.5	38.6	58.0
86	63.5	53.0	79.4



#21
Allyl Chloride
Concen: 1.745 ppbv
RT: 3.963 min Scan# 423
Delta R.T. -0.016 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 41	Resp: 136287		
Ion Ratio	Lower	Upper	
41	100		
76	8.5	23.7	35.5#
39	118.7	64.3	96.5#

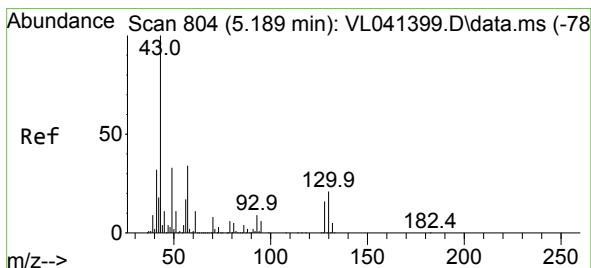
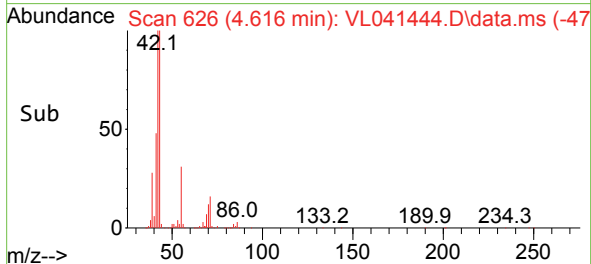
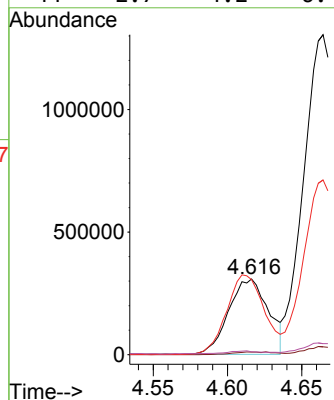
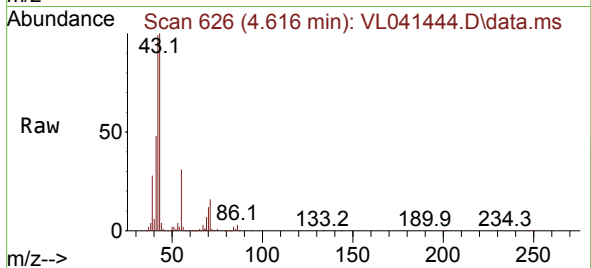




#23
 Vinyl Acetate
 Concen: 6.282 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041444.D
 Acq: 30 Jul 2024 1:11

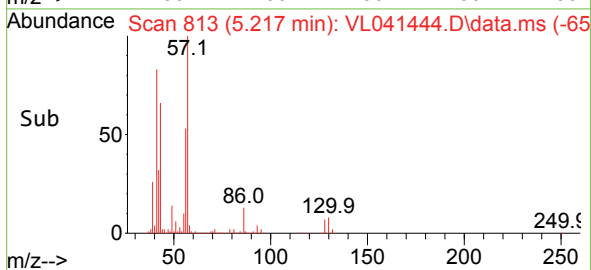
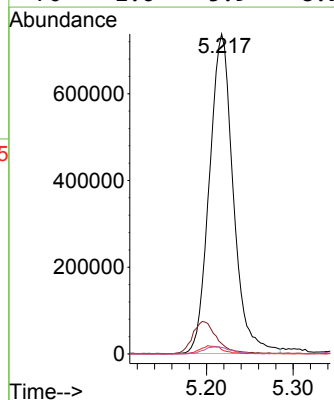
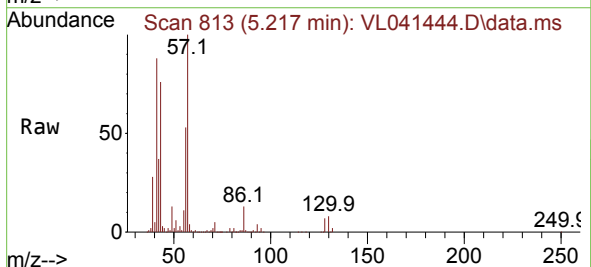
Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-04

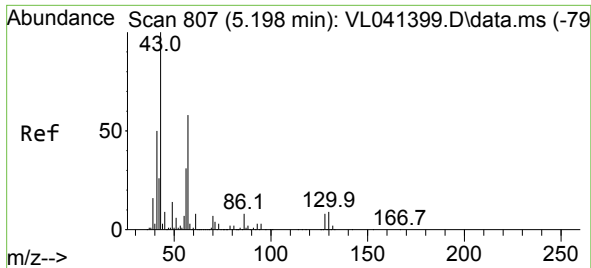
Tgt Ion: 43	Resp: 571385
Ion Ratio	Lower Upper
43 100	
86 3.5	4.6 6.8#
42 99.4	7.9 11.9#
44 2.7	4.2 6.4#



#25
 Ethyl Acetate
 Concen: 5.961 ppbv
 RT: 5.217 min Scan# 813
 Delta R.T. 0.026 min
 Lab File: VL041444.D
 Acq: 30 Jul 2024 1:11

Tgt Ion: 43	Resp: 1410217
Ion Ratio	Lower Upper
43 100	
45 10.8	8.5 12.7
61 2.6	8.0 12.0#
70 2.6	5.9 8.9#

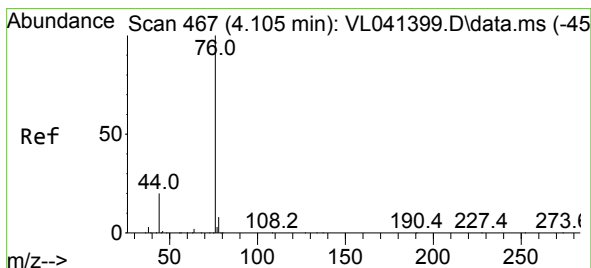
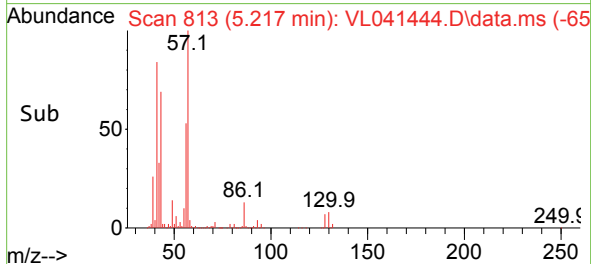
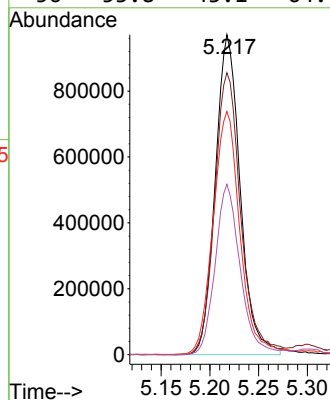
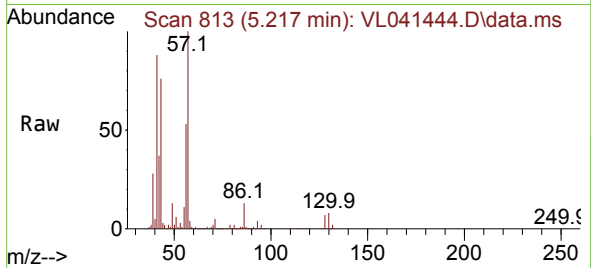




#26
Hexane
Concen: 17.605 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

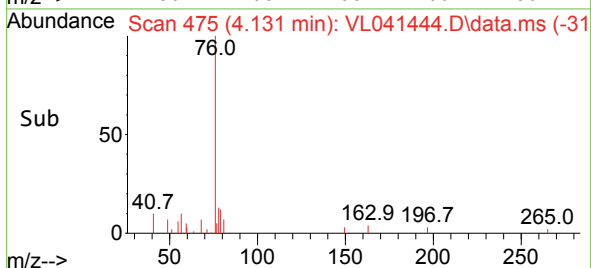
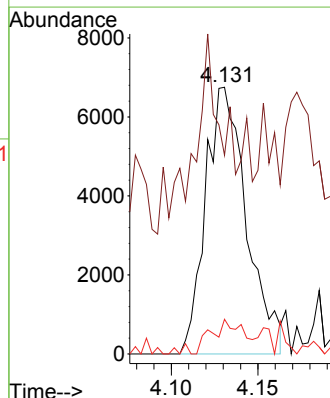
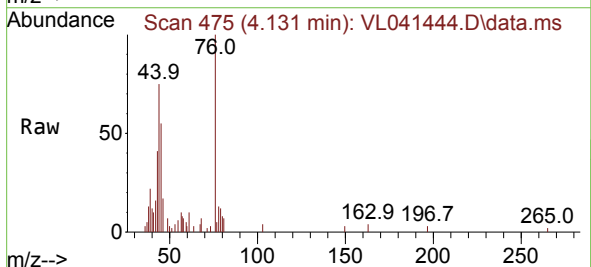
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

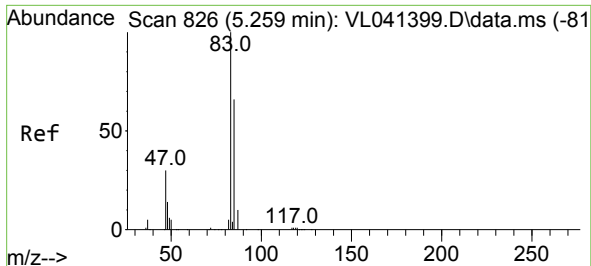
Tgt Ion: 57 Resp: 1727804
Ion Ratio Lower Upper
57 100
41 93.2 74.0 111.0
43 83.1 193.6 290.4#
56 53.8 43.1 64.7



#27
Carbon Disulfide
Concen: 0.097 ppbv
RT: 4.131 min Scan# 475
Delta R.T. 0.022 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 76 Resp: 11107
Ion Ratio Lower Upper
76 100
44 64.2 15.6 23.4#
78 18.0 7.7 11.5#





#29

Chloroform

Concen: 0.128 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

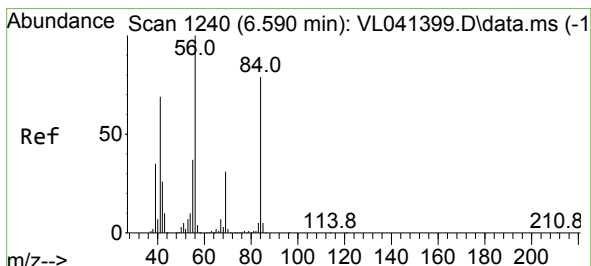
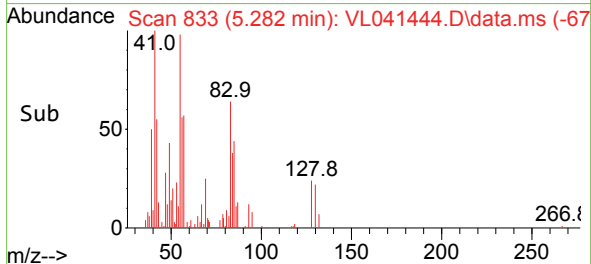
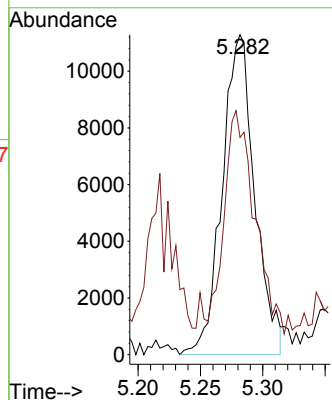
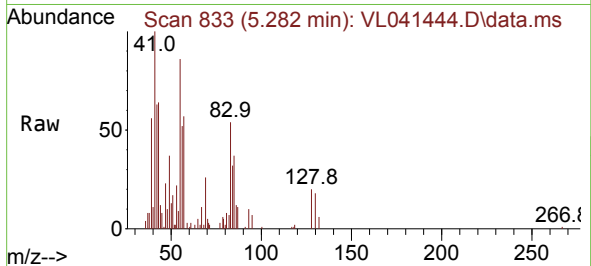
ACVI-IA-04

Tgt Ion: 83 Resp: 20531

Ion Ratio Lower Upper

83 100

85 54.8 53.1 79.7



#30

Cyclohexane

Concen: 1.225 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.016 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

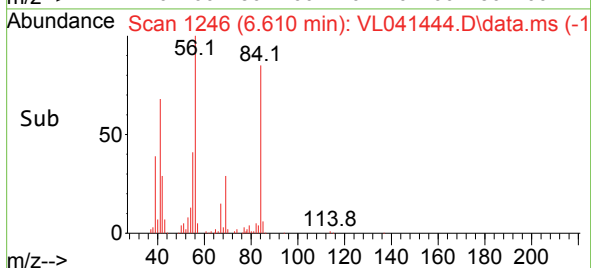
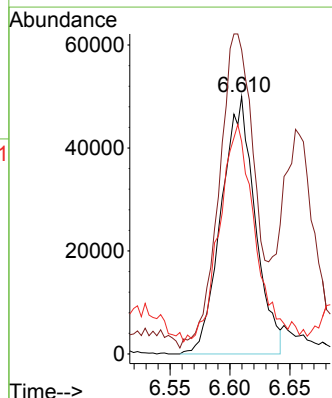
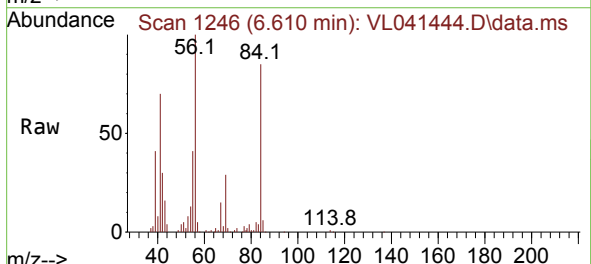
Tgt Ion: 84 Resp: 97906

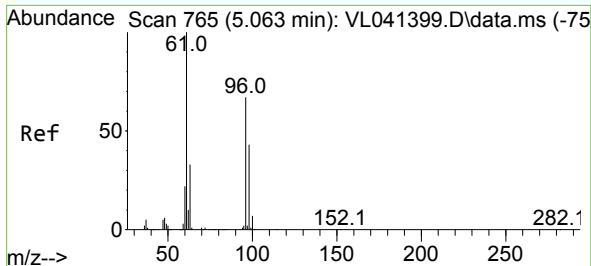
Ion Ratio Lower Upper

84 100

56 117.5 111.2 166.8

41 92.3 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 0.344 ppbv

RT: 5.201 min Scan# 80

Delta R.T. 0.135 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-04

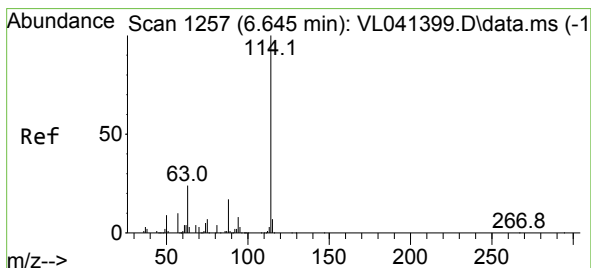
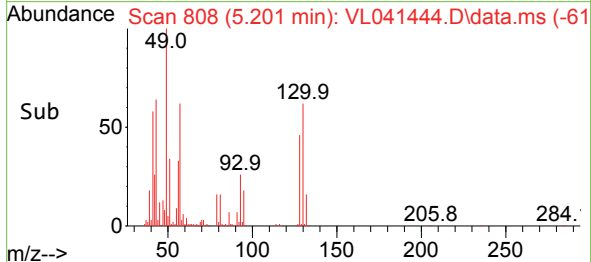
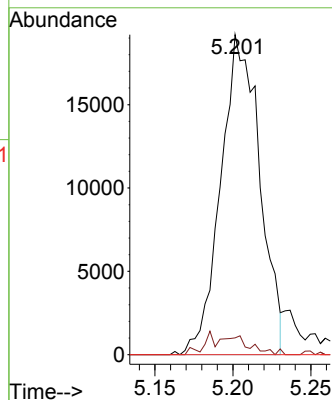
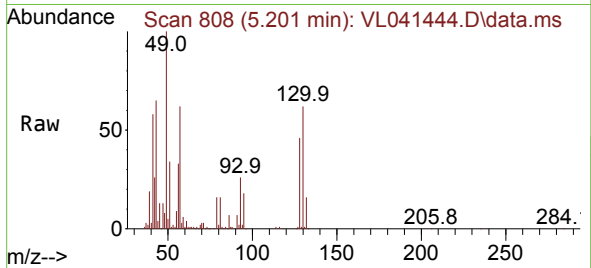
Tgt Ion: 61 Resp: 33376

Ion Ratio Lower Upper

61 100

96 5.3 53.4 80.2#

98 0.0 34.4 51.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. 0.013 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

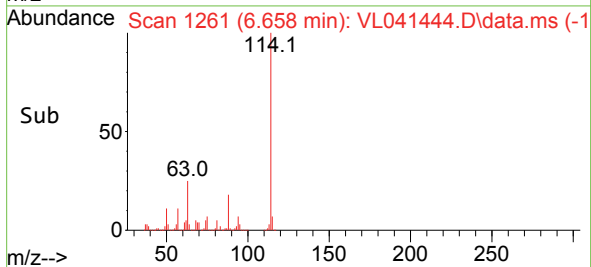
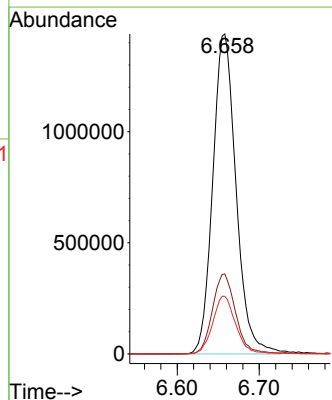
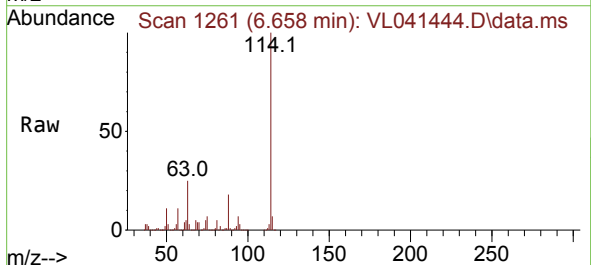
Tgt Ion: 114 Resp: 2834572

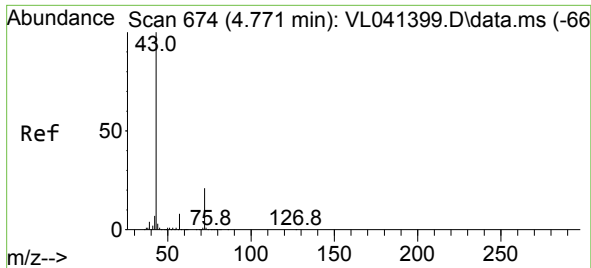
Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 18.0 14.3 21.5

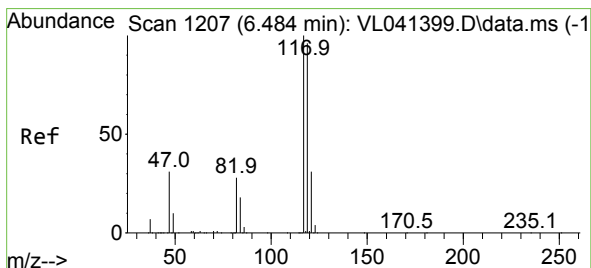
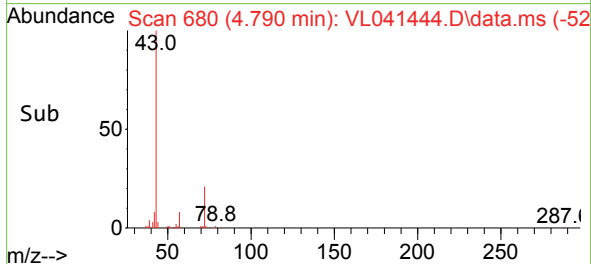
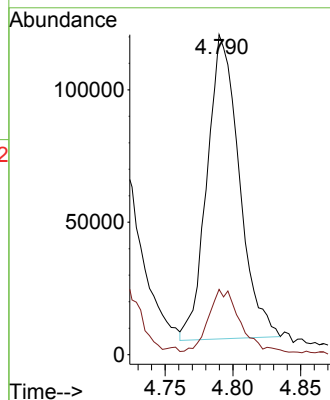
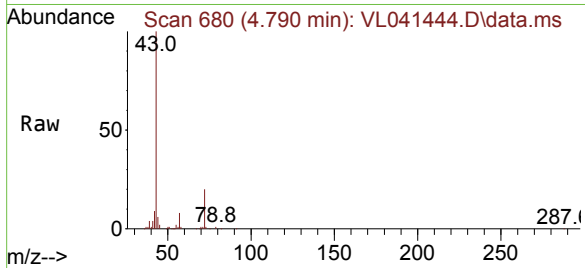




#34
2-Butanone
Concen: 1.382 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

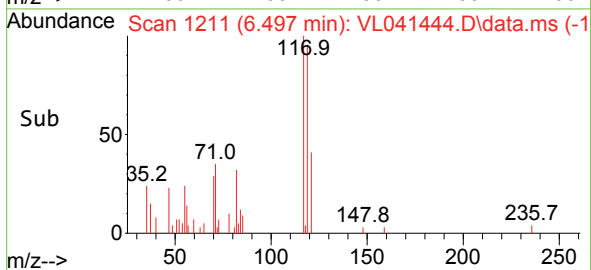
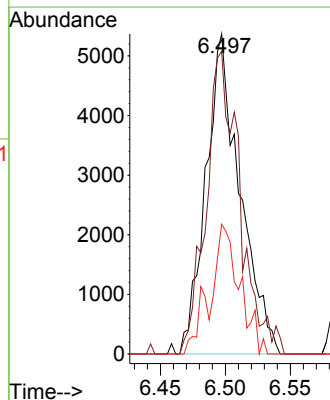
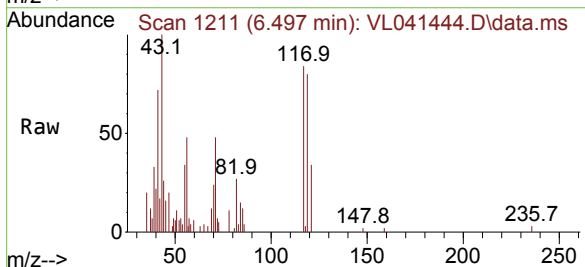
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

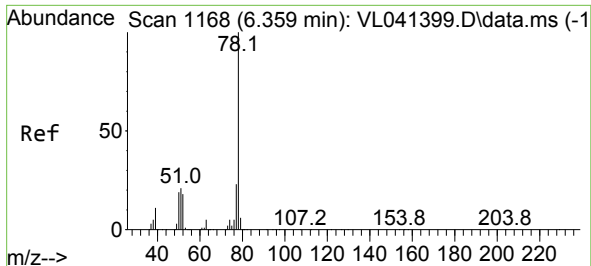
Tgt Ion: 43 Resp: 189493
Ion Ratio Lower Upper
43 100
72 23.2 17.3 25.9



#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 6.497 min Scan# 1211
Delta R.T. 0.013 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 117 Resp: 9792
Ion Ratio Lower Upper
117 100
119 94.6 76.6 115.0
121 40.5 25.1 37.7#

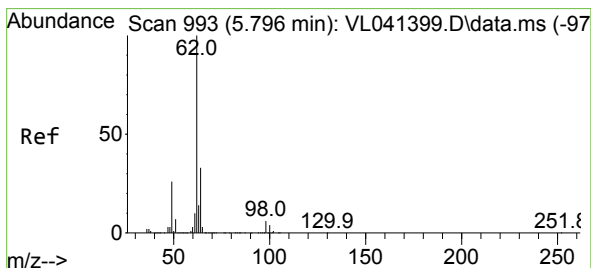
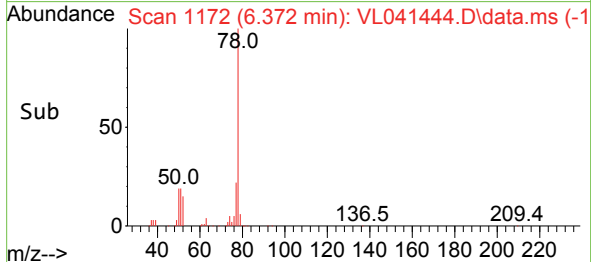
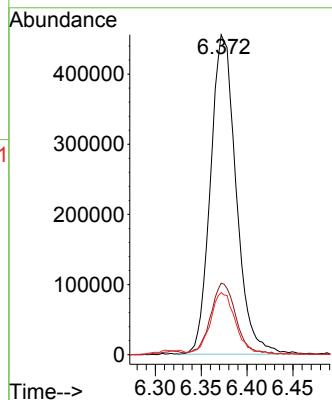
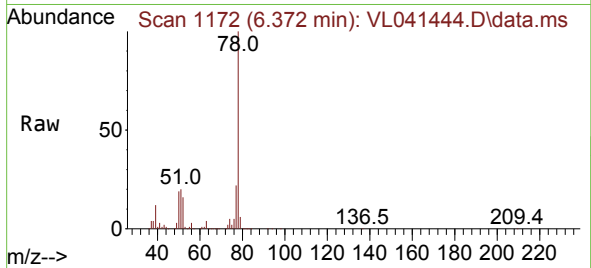




#36
Benzene
Concen: 4.262 ppbv
RT: 6.372 min Scan# 1168
Delta R.T. 0.013 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

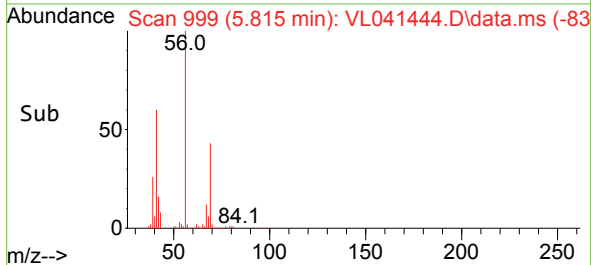
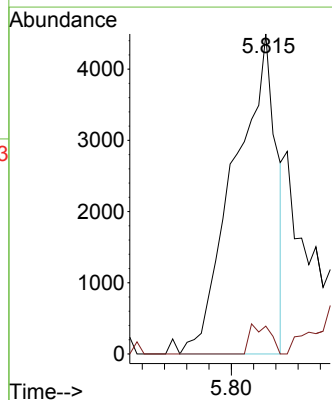
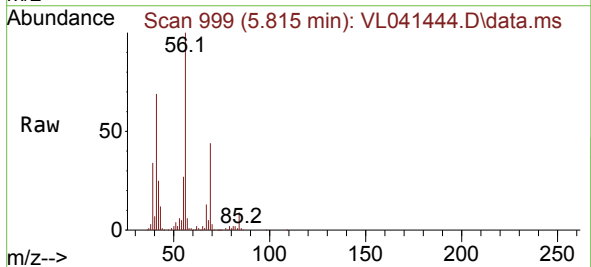
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

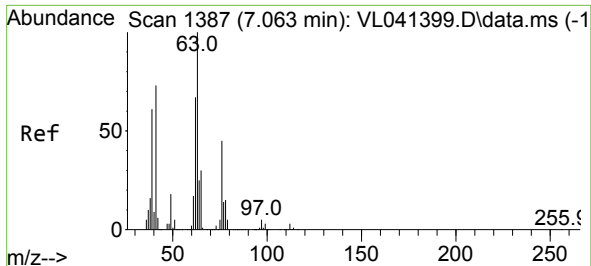
Tgt Ion: 78 Resp: 882730
Ion Ratio Lower Upper
78 100
77 22.0 18.1 27.1
50 19.1 15.5 23.3



#37
1,2-Dichloroethane
Concen: 0.050 ppbv
RT: 5.815 min Scan# 999
Delta R.T. 0.019 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 62 Resp: 5822
Ion Ratio Lower Upper
62 100
98 0.0 5.0 7.4#





#39

1,2-Dichloropropane

Concen: 8.843 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.405 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-04

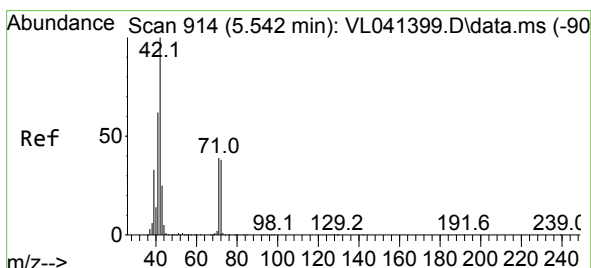
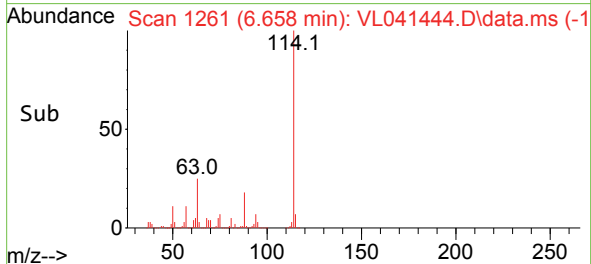
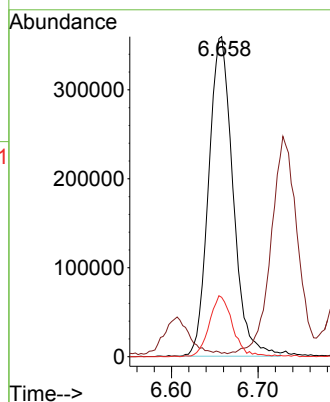
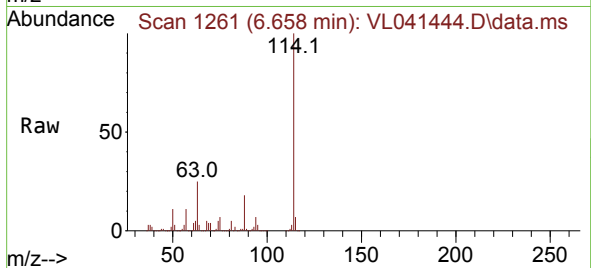
Tgt Ion: 63 Resp: 701207

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.6 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.095 ppbv

RT: 5.626 min Scan# 940

Delta R.T. 0.080 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

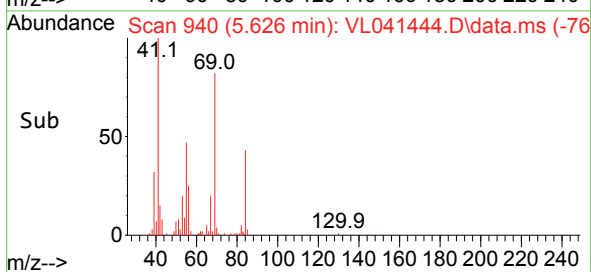
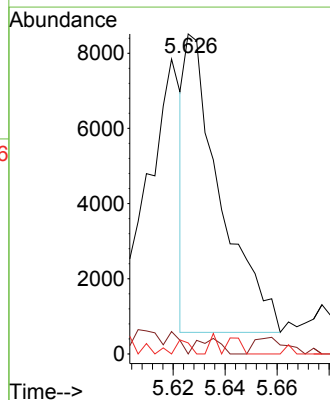
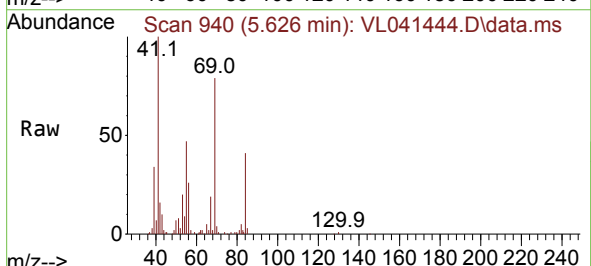
Tgt Ion: 42 Resp: 7481

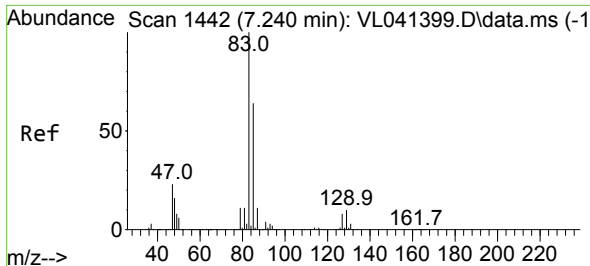
Ion Ratio Lower Upper

42 100

72 3.4 31.2 46.8#

71 0.0 30.5 45.7#

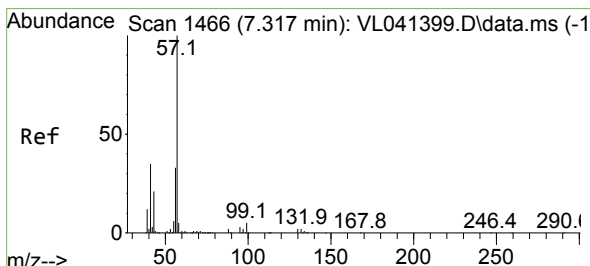
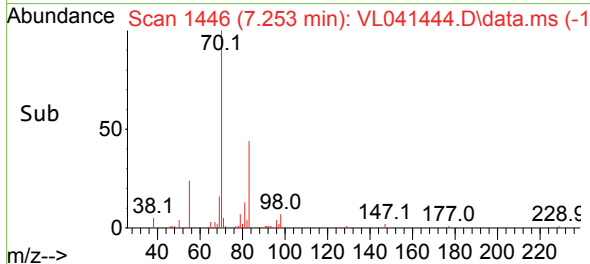
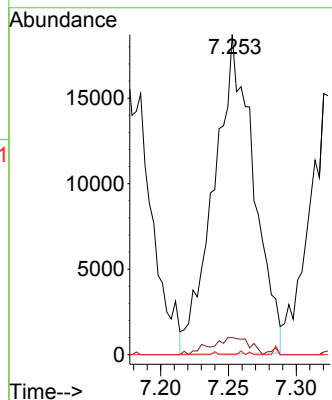
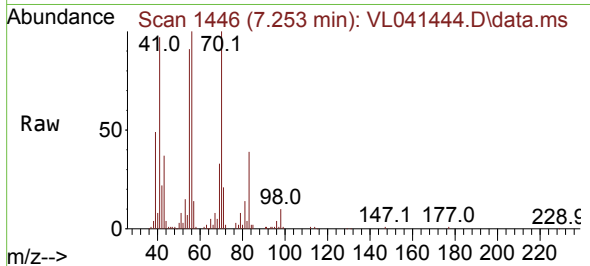




#42
Bromodichloromethane
Concen: 0.227 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.013 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

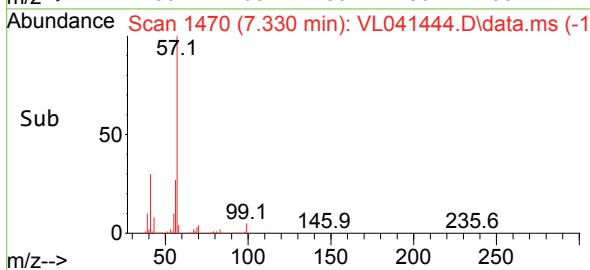
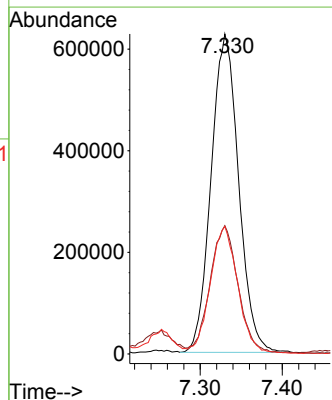
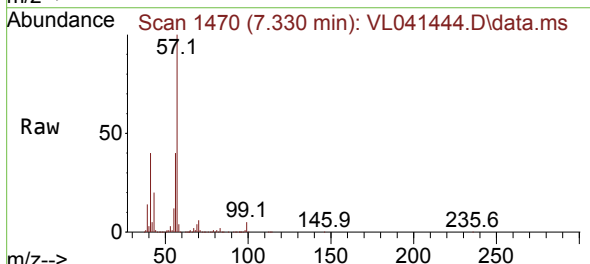
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

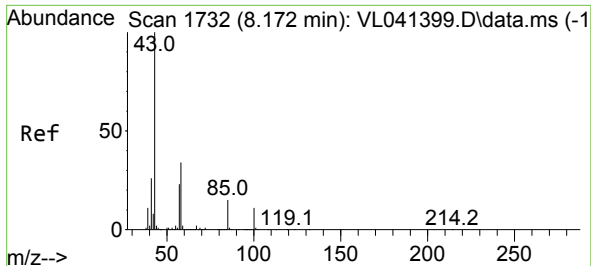
Tgt Ion: 83 Resp: 37964
Ion Ratio Lower Upper
83 100
85 5.7 51.4 77.0#
127 0.0 6.7 10.1#



#44
2,2,4-Trimethylpentane
Concen: 4.222 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.013 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 57 Resp: 1460577
Ion Ratio Lower Upper
57 100
41 41.4 27.0 40.6#
56 40.0 25.2 37.8#





#50

4-Methyl-2-Pentanone

Concen: 0.187 ppbv

RT: 8.192 min Scan# 1

Delta R.T. 0.019 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

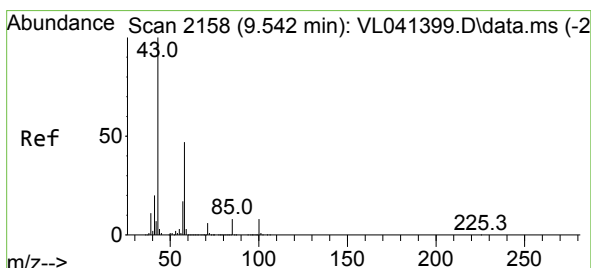
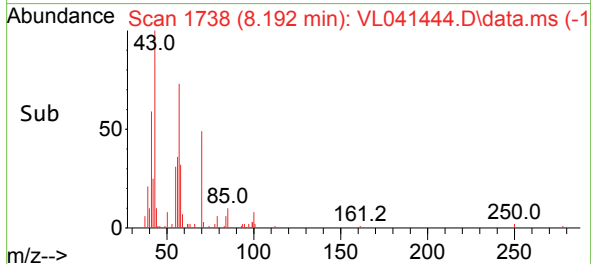
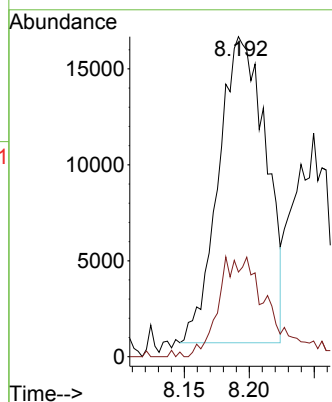
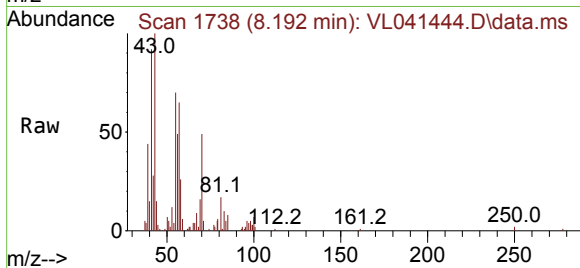
ACVI-IA-04

Tgt Ion: 43 Resp: 40399

Ion Ratio Lower Upper

43 100

58 34.8 27.9 41.9



#51

2-Hexanone

Concen: 0.554 ppbv

RT: 9.532 min Scan# 2155

Delta R.T. -0.010 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

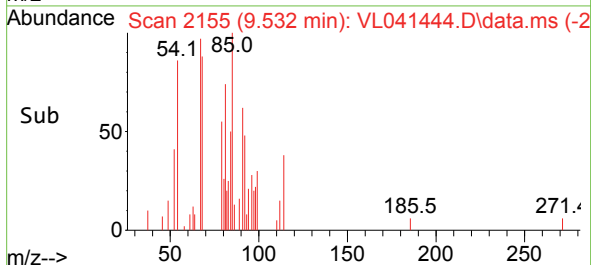
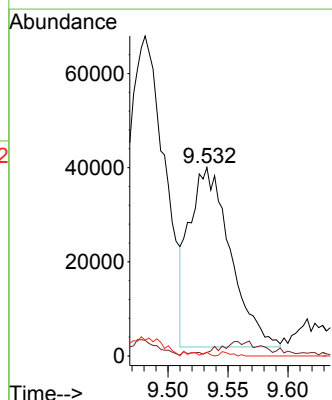
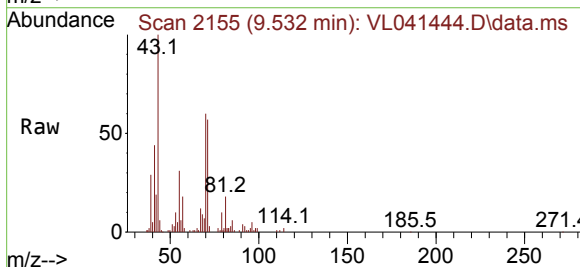
Tgt Ion: 43 Resp: 90608

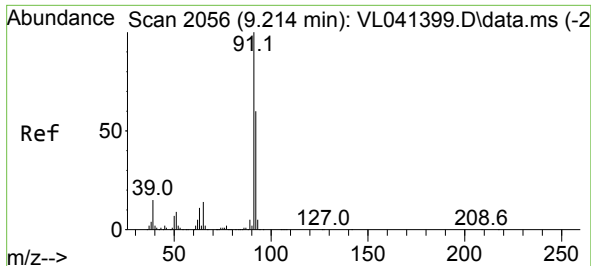
Ion Ratio Lower Upper

43 100

58 8.6 38.2 57.2#

98 0.0 0.3 0.5#

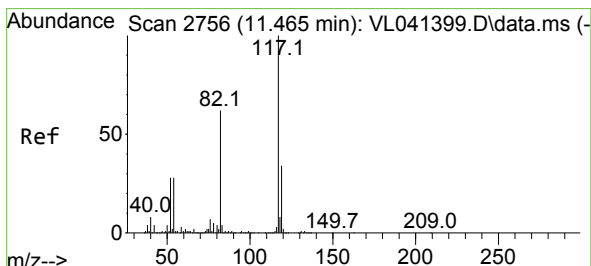
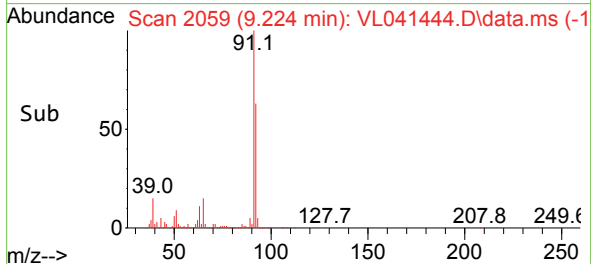
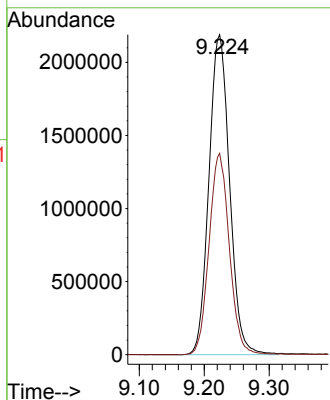
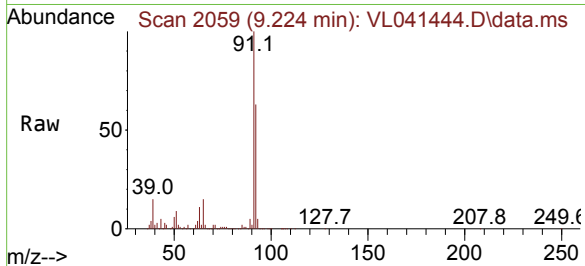




#53
Toluene
Concen: 20.935 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

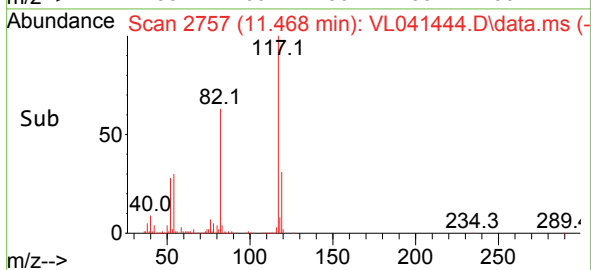
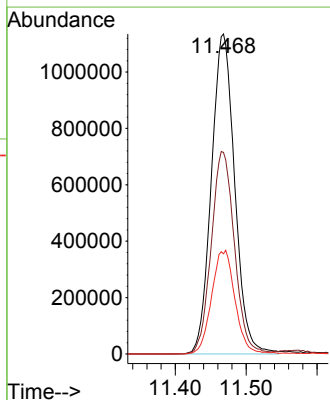
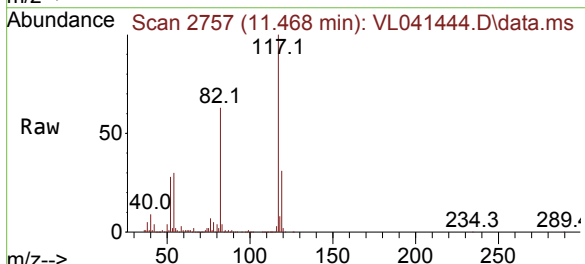
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-04

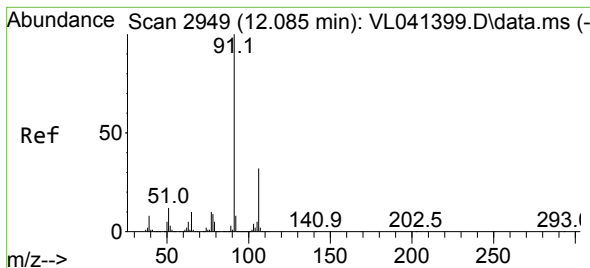
Tgt Ion: 91 Resp: 4829863
Ion Ratio Lower Upper
91 100
92 62.0 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041444.D
Acq: 30 Jul 2024 1:11

Tgt Ion: 117 Resp: 2594932
Ion Ratio Lower Upper
117 100
82 63.0 51.0 76.6
119 32.8 45.2 67.8#





#58

Ethyl Benzene

Concen: 2.973 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

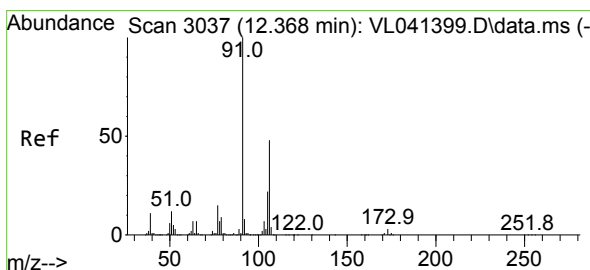
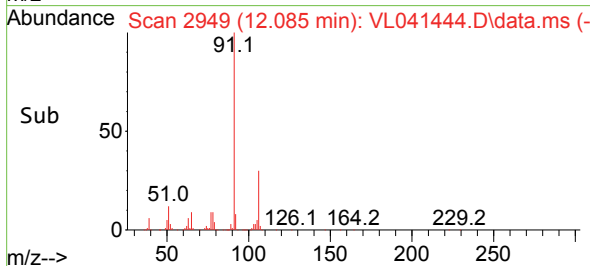
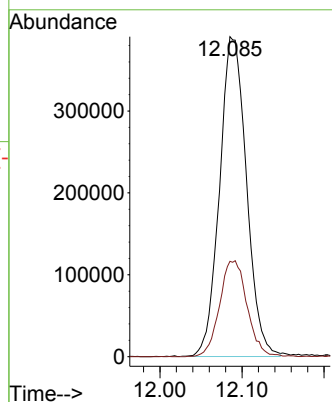
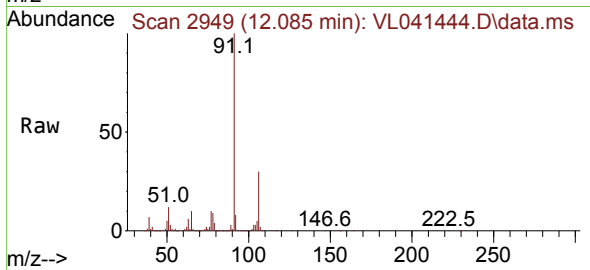
ACVI-IA-04

Tgt Ion: 91 Resp: 889290

Ion Ratio Lower Upper

91 100

106 29.8 25.8 38.8



#59

m/p-Xylene

Concen: 6.108 ppbv

RT: 12.346 min Scan# 3030

Delta R.T. -0.023 min

Lab File: VL041444.D

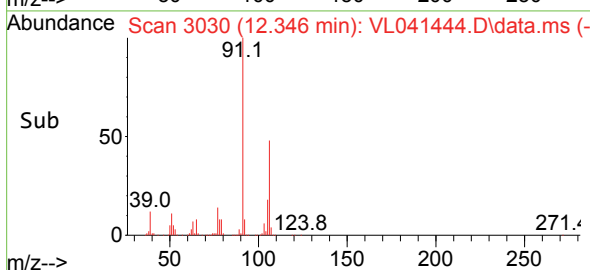
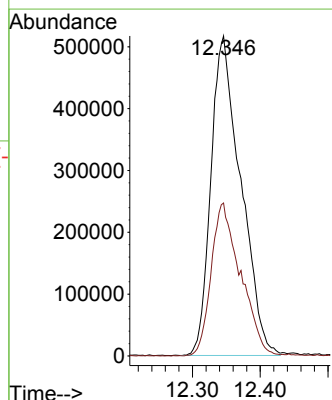
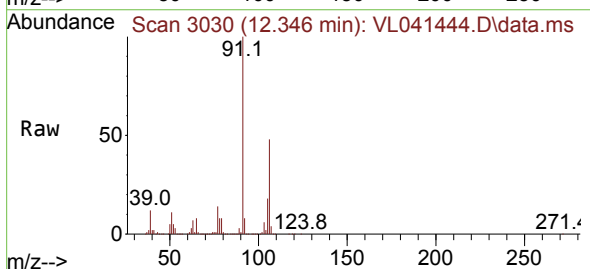
Acq: 30 Jul 2024 1:11

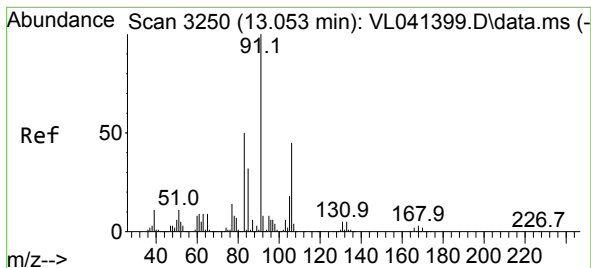
Tgt Ion: 91 Resp: 1577061

Ion Ratio Lower Upper

91 100

106 47.6 36.3 54.5





#60

o-Xylene

Concen: 1.179 ppbv

RT: 13.060 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

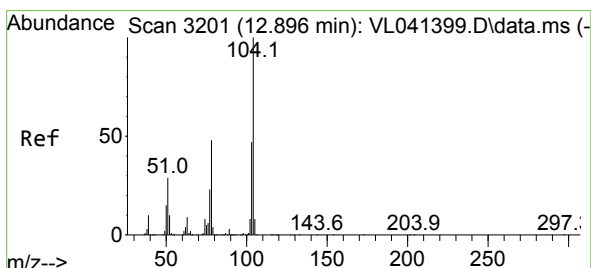
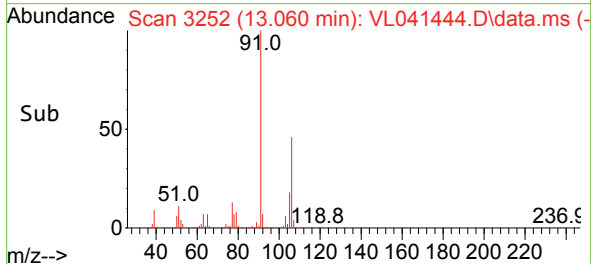
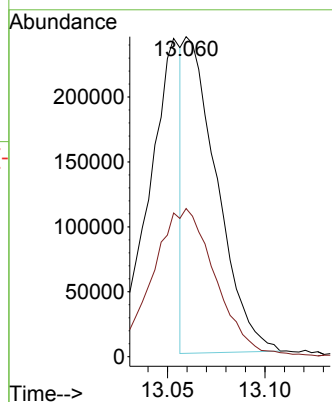
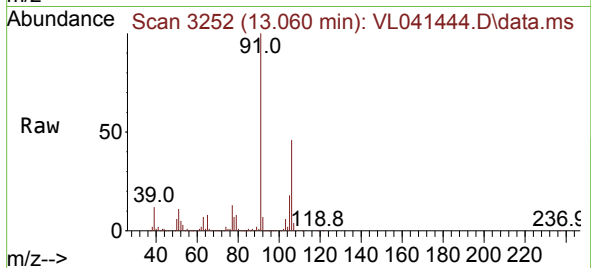
ACVI-IA-04

Tgt Ion: 91 Resp: 287995

Ion Ratio Lower Upper

91 100

106 91.0 23.1 69.3#



#61

Styrene

Concen: 2.411 ppbv

RT: 12.899 min Scan# 3202

Delta R.T. 0.003 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

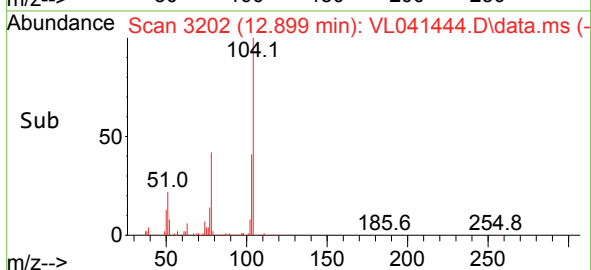
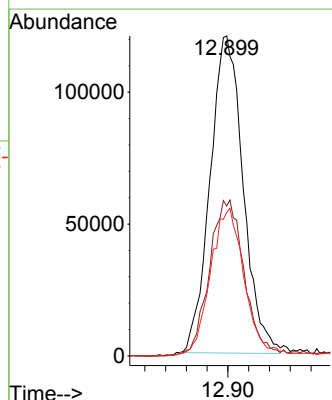
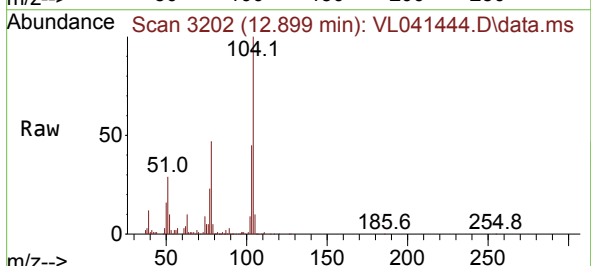
Tgt Ion: 104 Resp: 265634

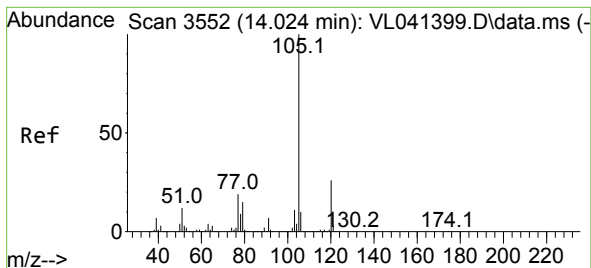
Ion Ratio Lower Upper

104 100

78 52.8 40.8 61.2

103 48.5 38.2 57.4





#62

Isopropylbenzene

Concen: 0.052 ppbv

RT: 14.034 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

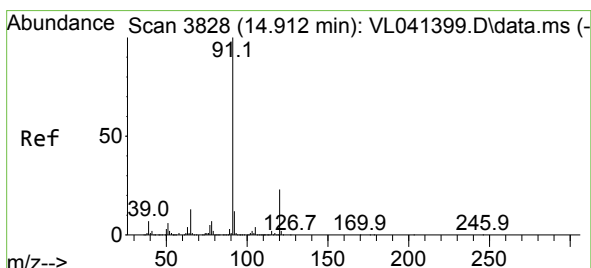
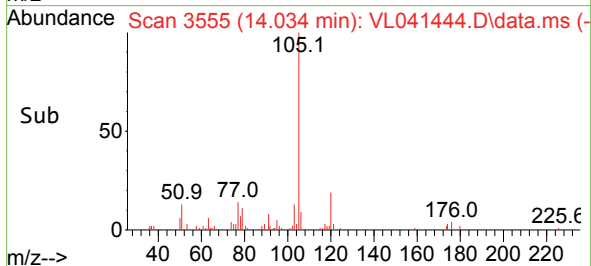
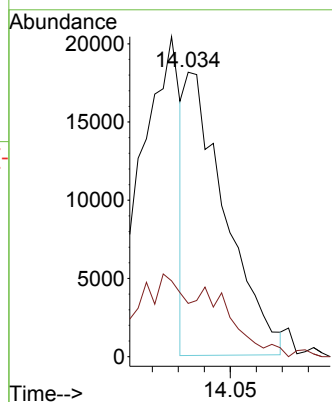
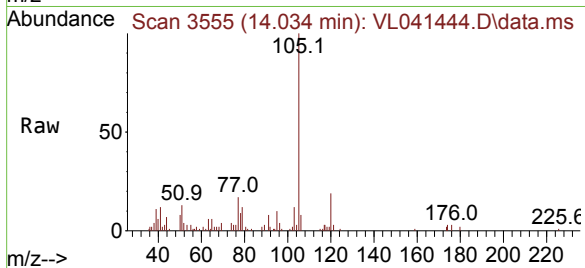
ACVI-IA-04

Tgt Ion:105 Resp: 19493

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#



#64

n-propylbenzene

Concen: 0.031 ppbv

RT: 14.924 min Scan# 3832

Delta R.T. 0.010 min

Lab File: VL041444.D

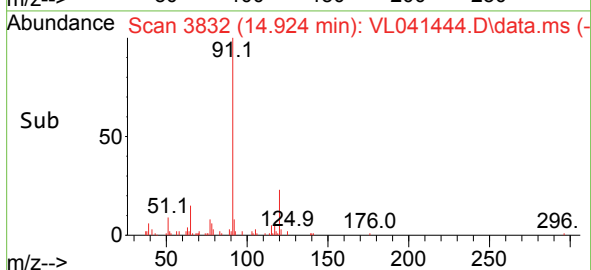
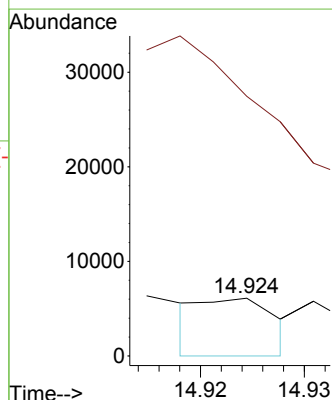
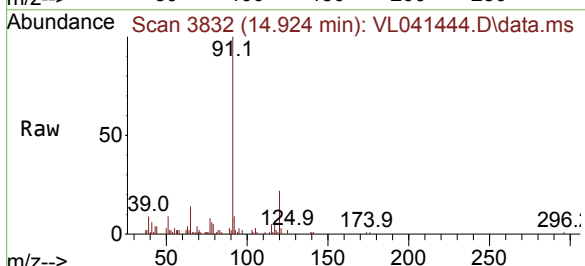
Acq: 30 Jul 2024 1:11

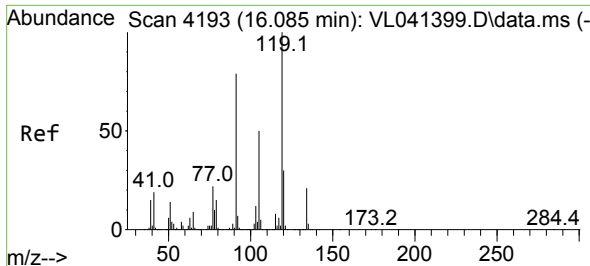
Tgt Ion:120 Resp: 3027

Ion Ratio Lower Upper

120 100

91 2608.1 361.4 542.0#

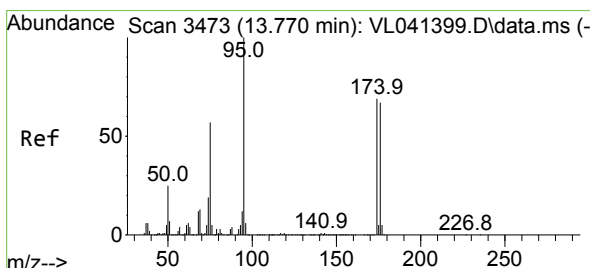
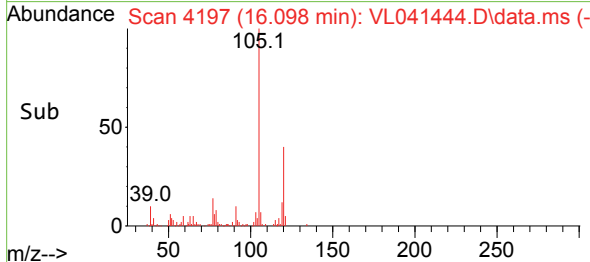
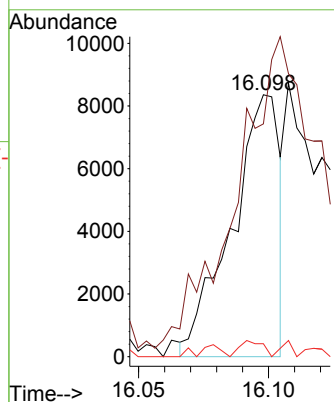
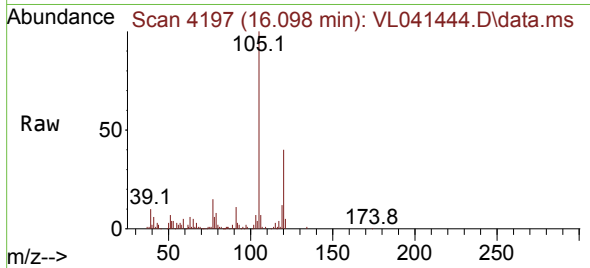




#65
 tert-Butylbenzene
 Concen: 0.032 ppbv
 RT: 16.098 min Scan# 4193
 Delta R.T. 0.006 min
 Lab File: VL041444.D
 Acq: 30 Jul 2024 1:11

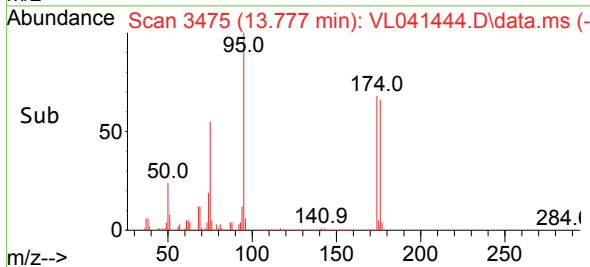
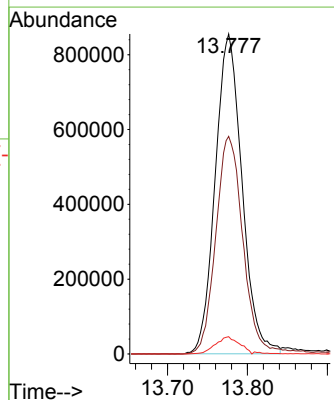
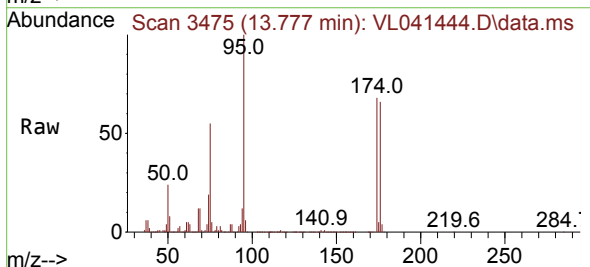
Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-04

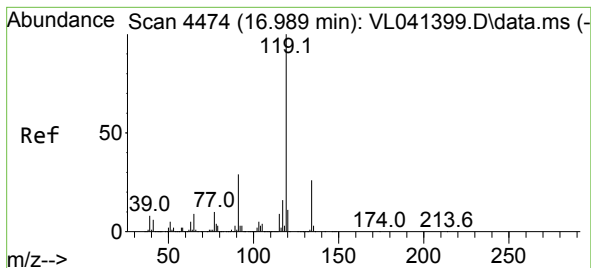
Tgt Ion:119 Resp: 10708
 Ion Ratio Lower Upper
 119 100
 91 0.0 64.2 96.2#
 134 0.0 15.7 23.5#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.957 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.003 min
 Lab File: VL041444.D
 Acq: 30 Jul 2024 1:11

Tgt Ion: 95 Resp: 1988460
 Ion Ratio Lower Upper
 95 100
 174 70.5 56.3 84.5
 175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.052 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. -0.003 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-04

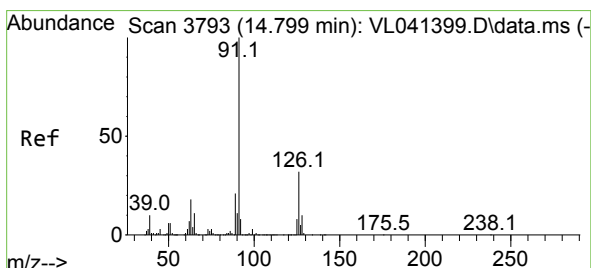
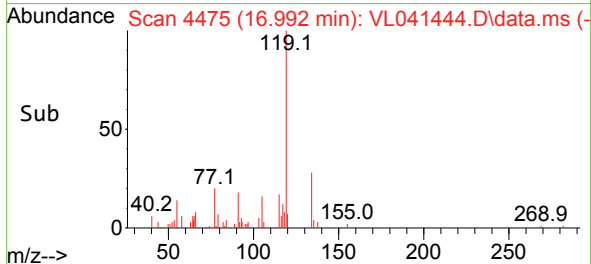
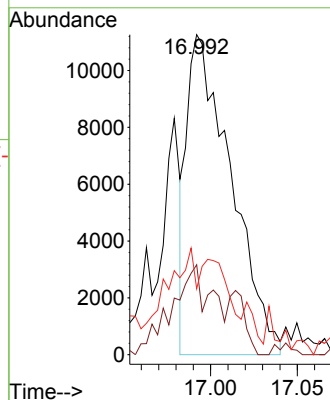
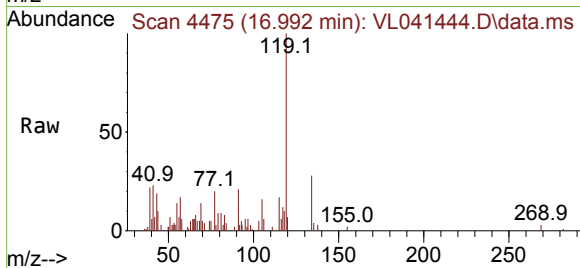
Tgt Ion:119 Resp: 19916

Ion Ratio Lower Upper

119 100

134 34.7 20.5 30.7#

91 50.6 23.2 34.8#



#71

2-Chlorotoluene

Concen: 0.279 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.119 min

Lab File: VL041444.D

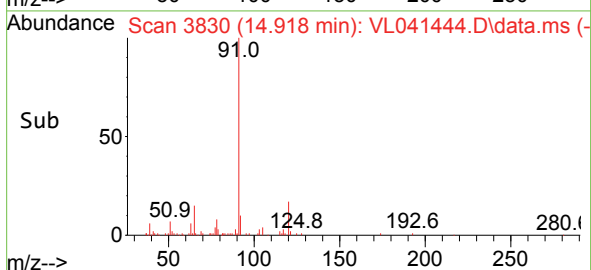
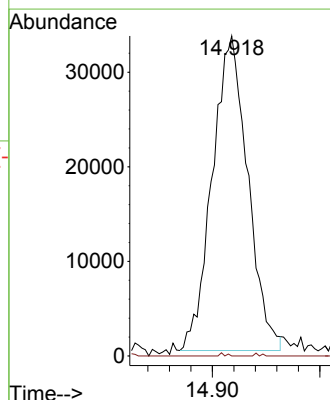
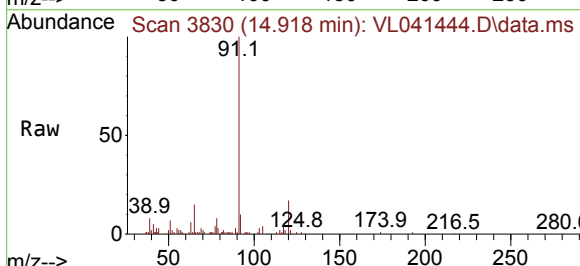
Acq: 30 Jul 2024 1:11

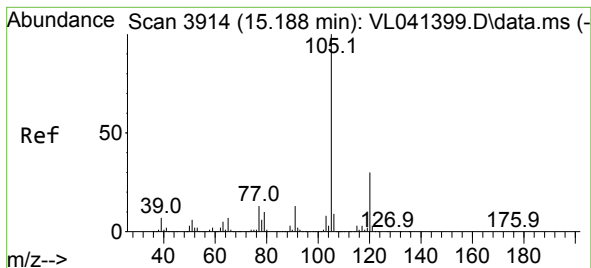
Tgt Ion: 91 Resp: 76407

Ion Ratio Lower Upper

91 100

126 0.1 12.7 50.9#





#72

4-Ethyltoluene

Concen: 0.238 ppbv

RT: 15.198 min Scan# 3914

Delta R.T. 0.006 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-04

Tgt Ion:105 Resp: 68497

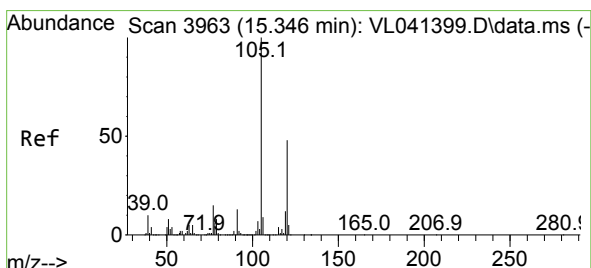
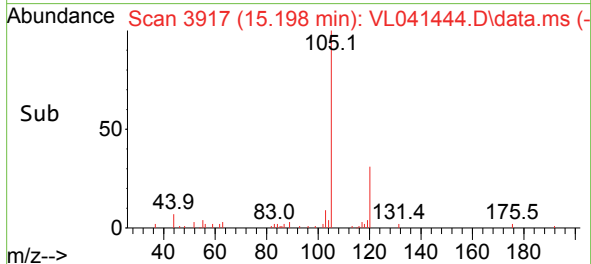
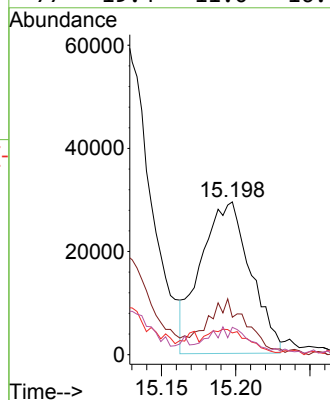
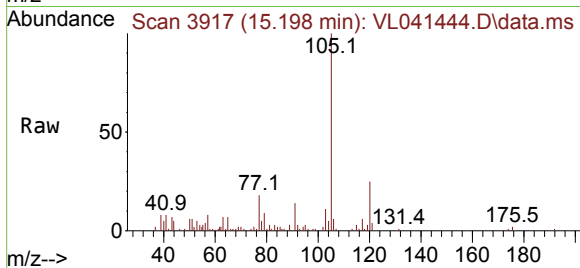
Ion Ratio Lower Upper

105 100

120 31.1 24.2 36.2

91 19.6 10.4 15.6#

77 19.4 11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.187 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041444.D

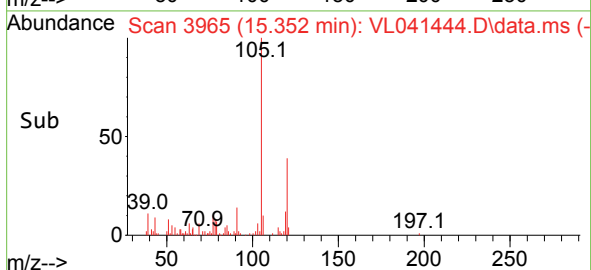
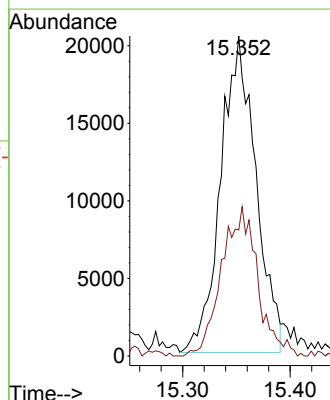
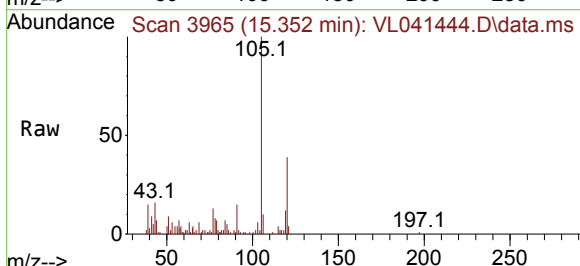
Acq: 30 Jul 2024 1:11

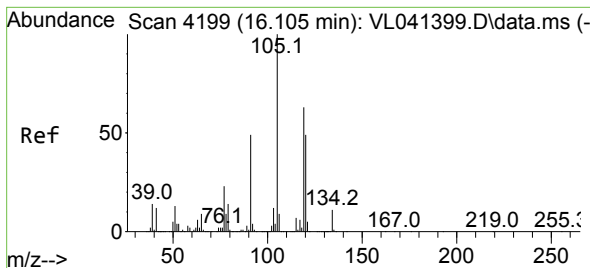
Tgt Ion:105 Resp: 46323

Ion Ratio Lower Upper

105 100

120 39.8 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.642 ppbv

RT: 16.108 min Scan# 4199

Delta R.T. -0.000 min

Lab File: VL041444.D

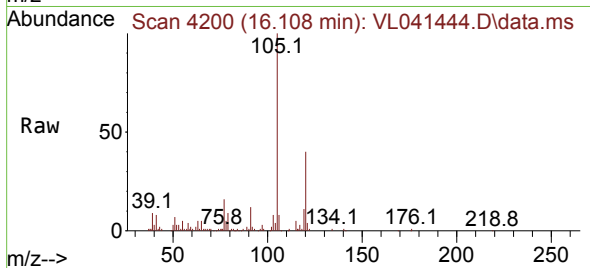
Acq: 30 Jul 2024 1:11

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-04



Tgt Ion:105 Resp: 185025

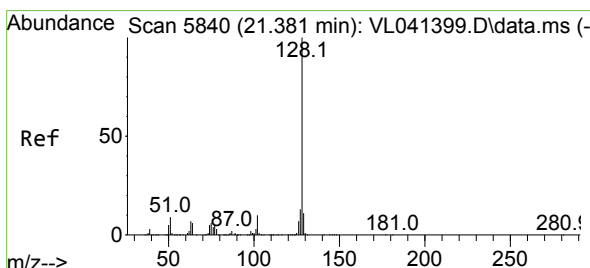
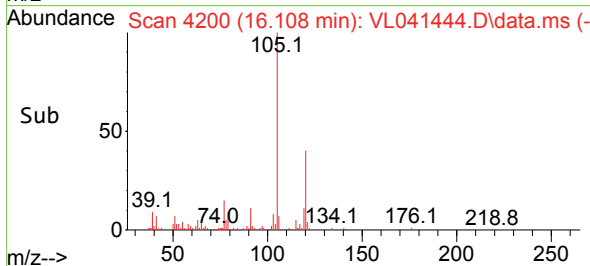
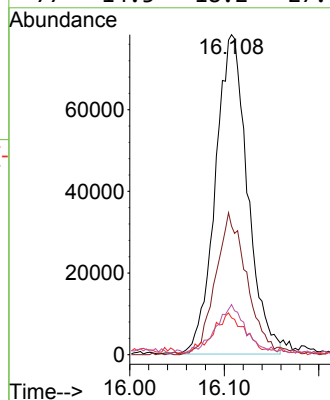
Ion Ratio Lower Upper

105 100

120 40.2 39.5 59.3

91 10.9 39.8 59.8#

77 14.3 18.2 27.4#



#79

Naphthalene

Concen: 0.055 ppbv

RT: 21.394 min Scan# 5844

Delta R.T. 0.013 min

Lab File: VL041444.D

Acq: 30 Jul 2024 1:11

Tgt Ion:128 Resp: 13865

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 9.7 9.0 13.4

