

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041387.D
 Acq On : 22 Jul 2024 15:26
 Operator : SY/MD
 Sample : P3259-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 03:16:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jul 23 02:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.237	49	871323	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.681	114	2597731	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.471	117	2318692	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1751297	10.077	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

Target Compounds					Qvalue	
3) Chlorodifluoromethane	2.645	51	375508	2.499	ppbv #	65
4) Chloromethane	2.867	50	7627	0.133	ppbv	98
9) Propene	2.700	41	142926	2.749	ppbv #	72
10) Heptane	7.574	43	36006	0.295	ppbv #	36
11) Trichlorofluoromethane	4.057	101	7670	0.053	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	7670	0.076	ppbv	88
13) Ethanol	3.298	45	9557254	828.669	ppbv	86
15) Acetone	3.462	43	3667975	31.874	ppbv #	50
16) 1,3-Butadiene	3.002	39	93080	1.699	ppbv #	23
17) tert-Butyl alcohol	4.343	59	238098	2.682	ppbv	99
19) Isopropyl Alcohol	3.623	45	13227666	209.386	ppbv #	94
20) Methylene Chloride	3.976	84	1431895	34.292	ppbv	95
21) Allyl Chloride	3.928	41	42492	0.612	ppbv #	25
23) Vinyl Acetate	4.658	43	152356	1.343	ppbv #	77
25) Ethyl Acetate	5.237	43	22762363	107.420	ppbv #	60
26) Hexane	5.205	57	1392899	14.845	ppbv #	1
29) Chloroform	5.320	83	7204	0.050	ppbv	96
31) cis-1,2-Dichloroethene	5.234	61	5695770	63.320	ppbv #	24
32) 1,1,1-Trichloroethane	6.031	97	193826	1.276	ppbv	99
34) 2-Butanone	4.822	43	406213	2.963	ppbv	100
36) Benzene	6.394	78	79134	0.368	ppbv	94
37) 1,2-Dichloroethane	5.835	62	5277	0.043	ppbv #	40
39) 1,2-Dichloropropane	6.681	63	668170	8.042	ppbv #	22
41) Tetrahydrofuran	5.237	42	3671494	43.240	ppbv #	44
50) 4-Methyl-2-Pentanone	8.198	43	17811	0.081	ppbv #	8
51) 2-Hexanone	9.488	43	76519	0.489	ppbv #	41
52) Tetrachloroethene	10.635	164	2949	0.034	ppbv #	34
53) Toluene	9.233	91	3244330	13.380	ppbv	99
58) Ethyl Benzene	12.092	91	103522	0.334	ppbv	94
59) m/p-Xylene	12.346	91	778655	2.900	ppbv	94
60) o-Xylene	13.057	91	363990	1.437	ppbv	99
61) Styrene	12.899	104	8461	0.069	ppbv #	1
62) Isopropylbenzene	14.031	105	68595	0.175	ppbv	100
64) n-propylbenzene	14.921	120	8308	0.081	ppbv #	1
65) tert-Butylbenzene	16.101	119	44192	0.127	ppbv #	1
66) Benzyl Chloride	16.159	91	2066	0.090	ppbv #	84
67) sec-Butylbenzene	16.632	105	49212	0.100	ppbv #	90
69) p-Isopropyltoluene	16.992	119	37727	0.093	ppbv #	53
71) 2-Chlorotoluene	14.915	91	201815	0.694	ppbv #	44
72) 4-Ethyltoluene	15.188	105	223560	0.741	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	281214	1.089	ppbv	95
74) 1,2,4-Trimethylbenzene	16.101	105	761599	2.616	ppbv #	72
79) Naphthalene	21.384	128	12924	0.083	ppbv #	87

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Sample : P3259-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

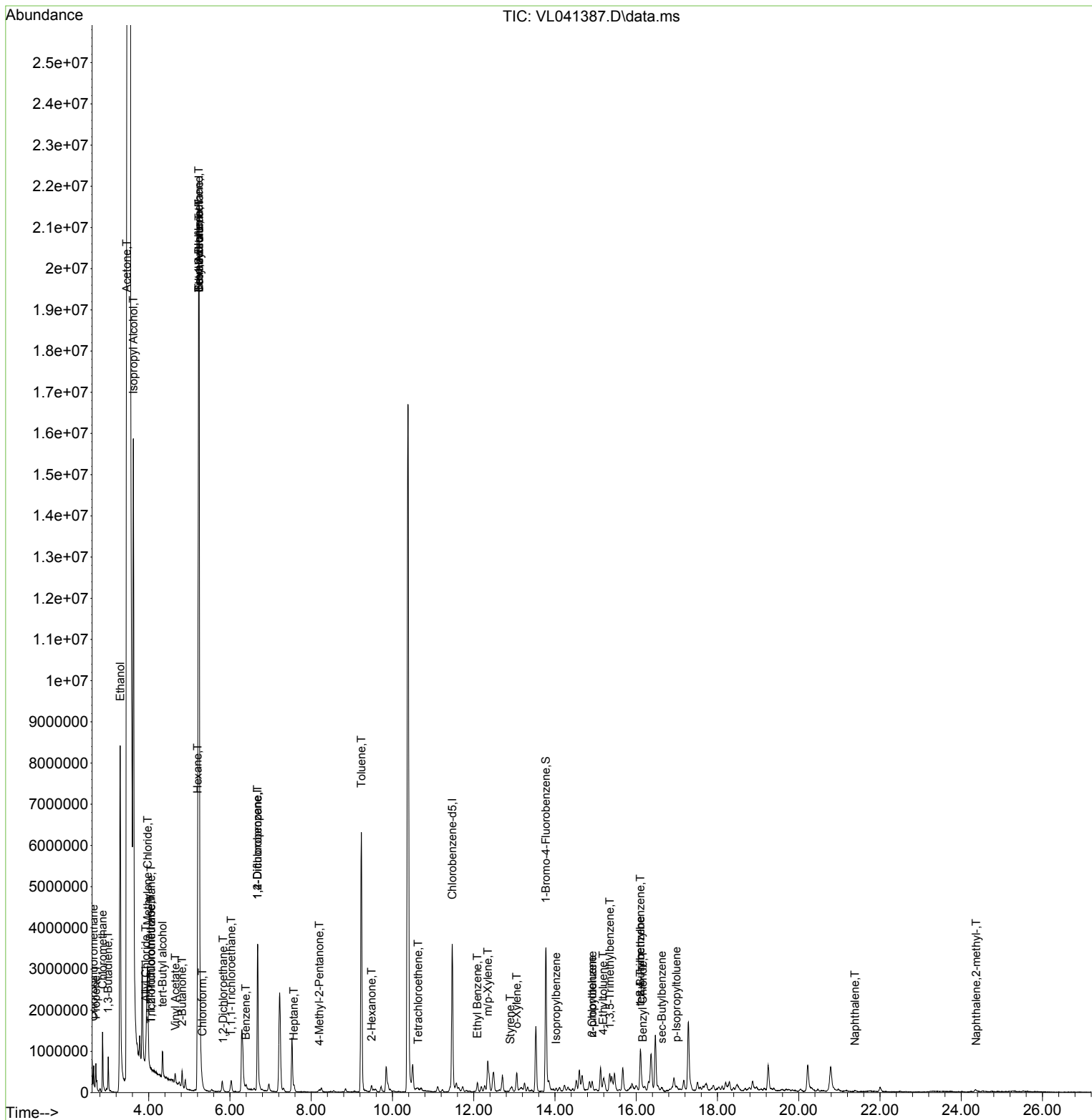
Instrument :
MSVOA_L
ClientSampleId :

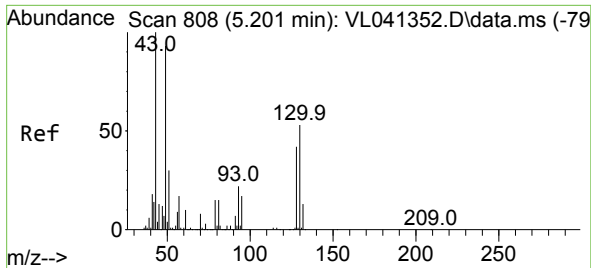
Quant Time: Jul 23 03:16:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.371	142	607	1.473	ppbv	# 54

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

Quant Time: Jul 23 03:16:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

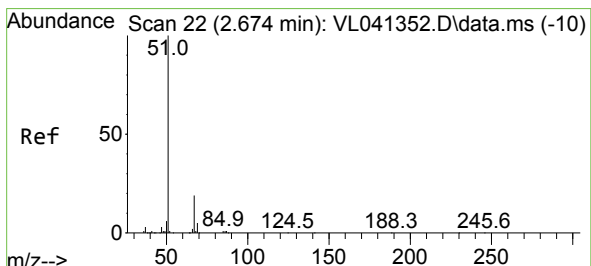
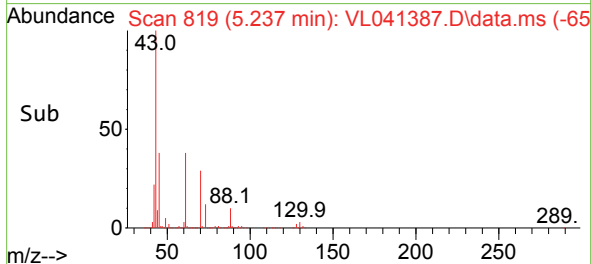
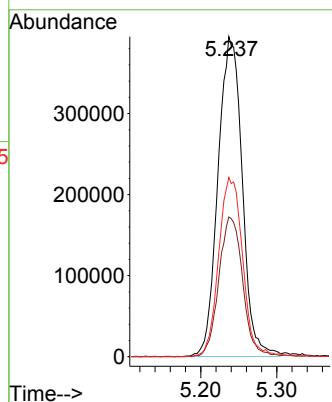
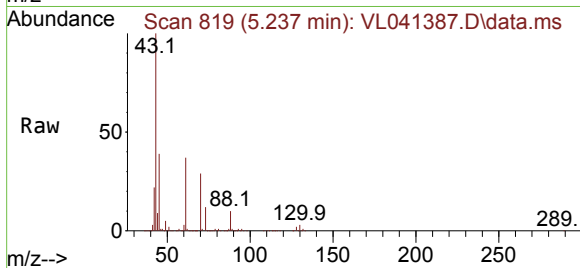




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.237 min Scan# 81
Delta R.T. 0.026 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

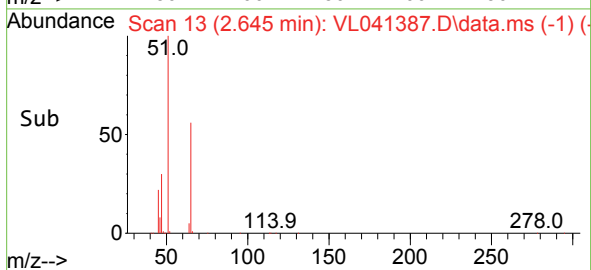
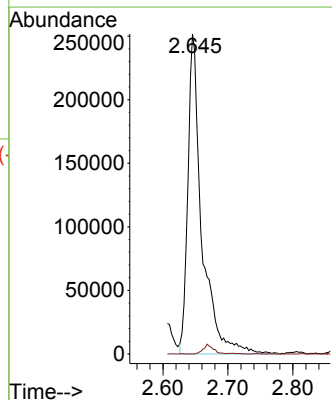
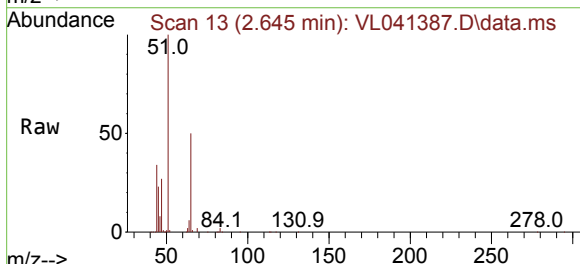
Instrument :
MSVOA_L
ClientSampleId :

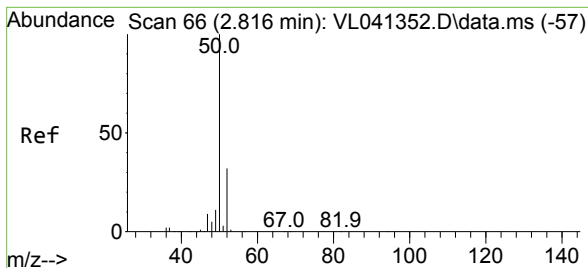
Tgt Ion: 49 Resp: 871323
Ion Ratio Lower Upper
49 100
128 43.4 22.8 68.3
130 56.0 28.9 86.7



#3
Chlorodifluoromethane
Concen: 2.499 ppbv
RT: 2.645 min Scan# 13
Delta R.T. -0.074 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 51 Resp: 375508
Ion Ratio Lower Upper
51 100
67 2.3 14.3 21.5#

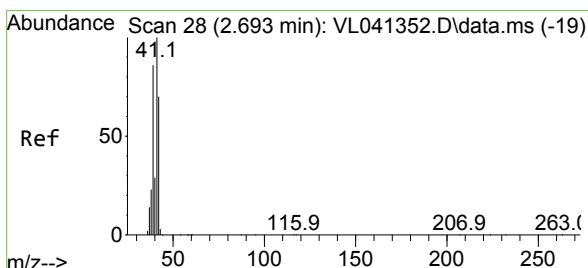
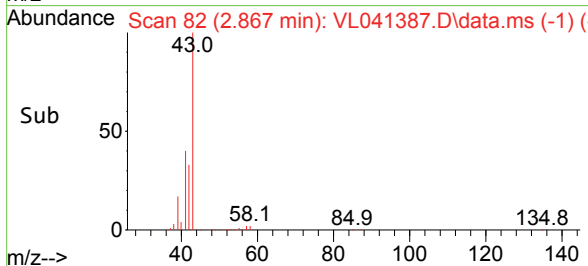
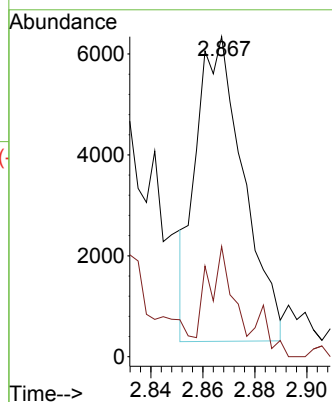
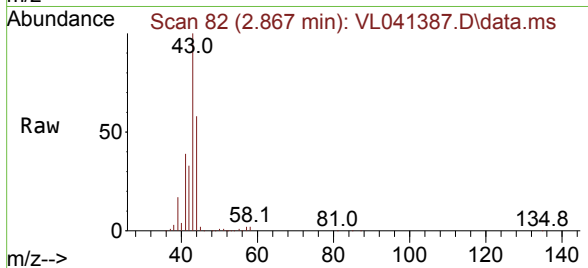




#4
Chloromethane
Concen: 0.133 ppbv
RT: 2.867 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

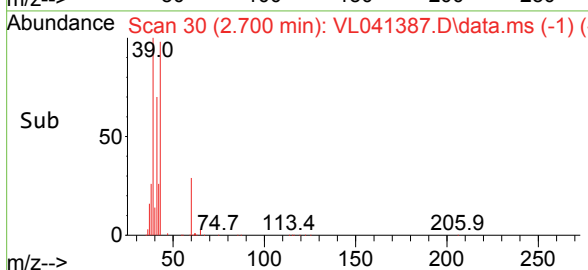
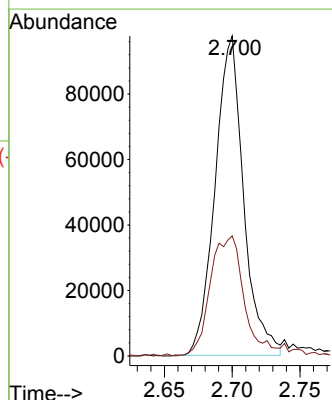
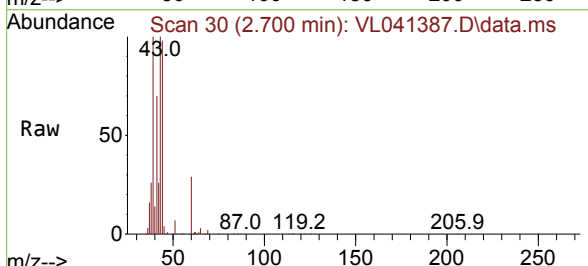
Instrument :
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ClientSampleId :

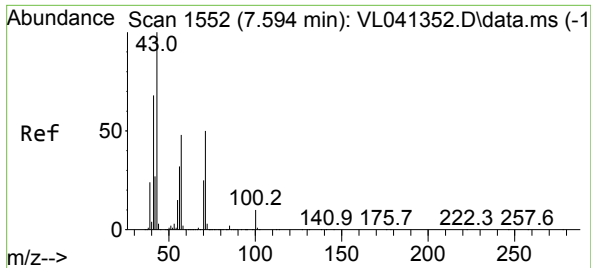
Tgt Ion: 50 Resp: 7627
Ion Ratio Lower Upper
50 100
52 33.2 25.6 38.4



#9
Propene
Concen: 2.749 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.035 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 41 Resp: 142926
Ion Ratio Lower Upper
41 100
42 46.8 55.8 83.8#

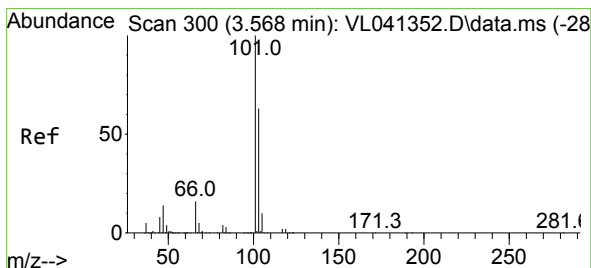
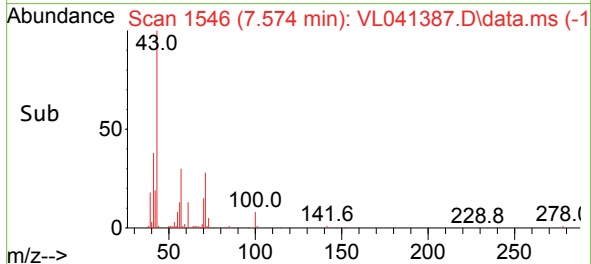
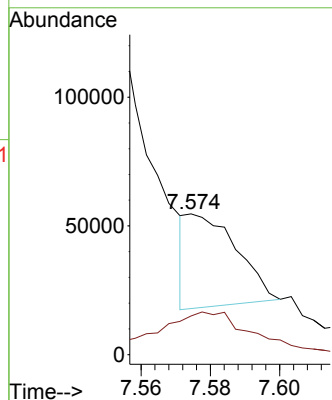
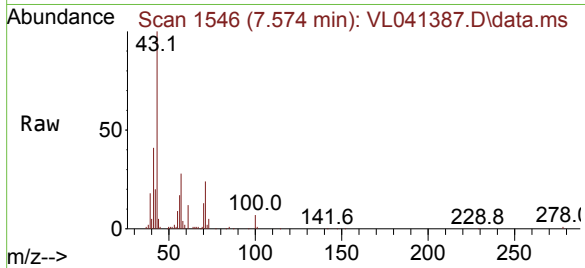




#10
Heptane
Concen: 0.295 ppbv
RT: 7.574 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

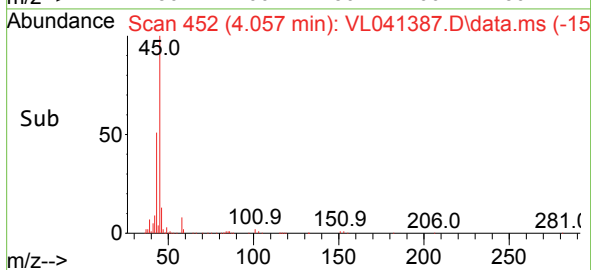
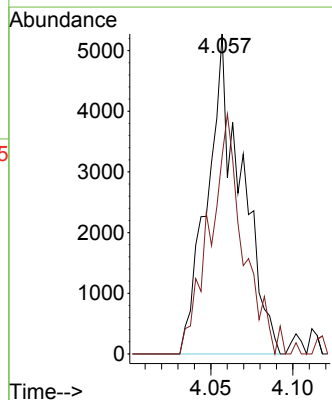
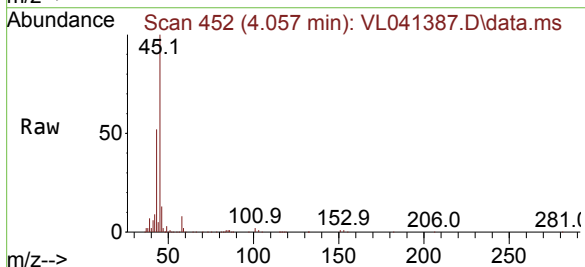
Instrument :
MSVOA_L
ClientSampleId :

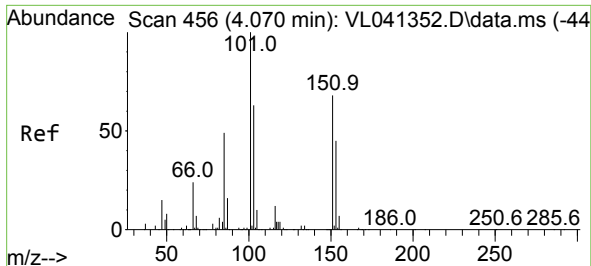
Tgt Ion: 43 Resp: 36006
Ion Ratio Lower Upper
43 100
57 94.3 40.3 60.5#



#11
Trichlorofluoromethane
Concen: 0.053 ppbv
RT: 4.057 min Scan# 452
Delta R.T. 0.463 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 101 Resp: 7670
Ion Ratio Lower Upper
101 100
103 61.8 50.5 75.7

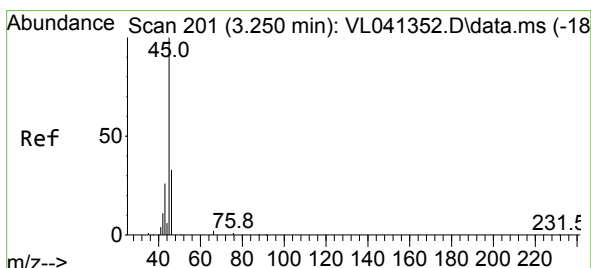
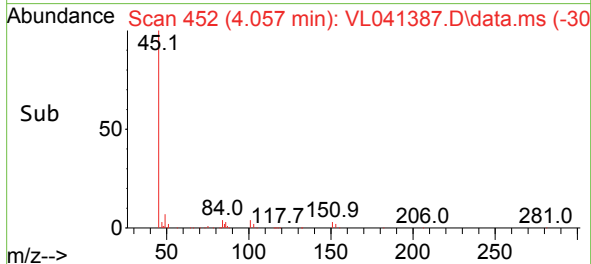
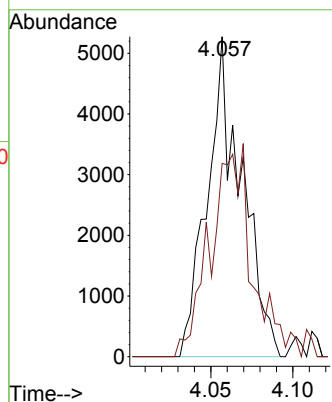
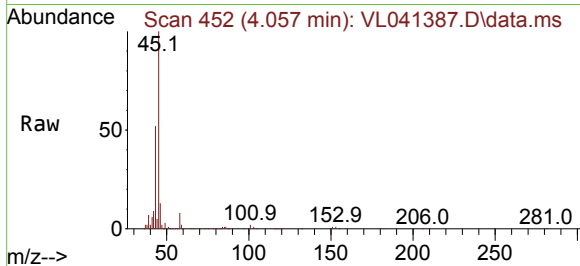




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.076 ppbv
 RT: 4.057 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VL041387.D
 Acq: 22 Jul 2024 15:26

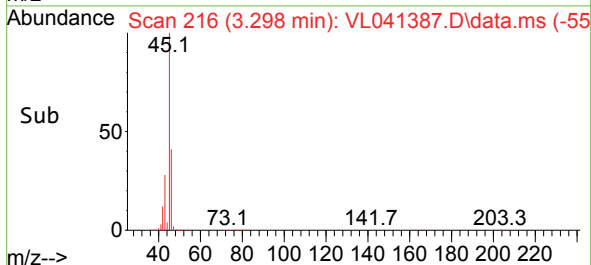
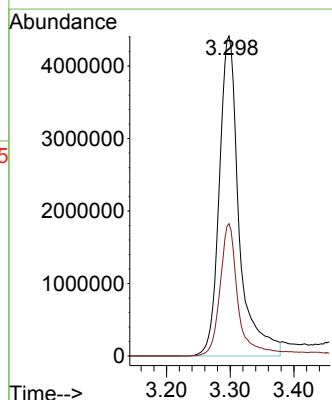
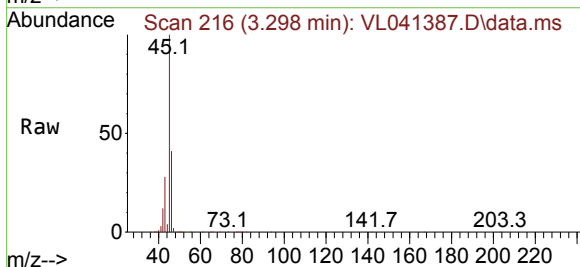
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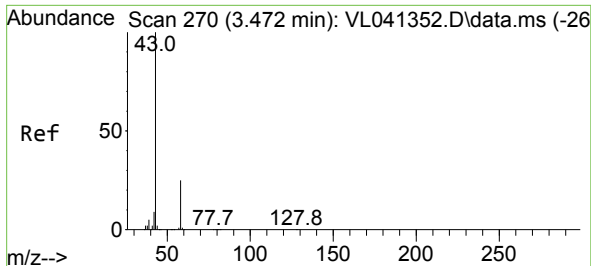
Tgt Ion:101 Resp: 7670
 Ion Ratio Lower Upper
 101 100
 151 81.5 57.0 85.6



#13
 Ethanol
 Concen: 828.669 ppbv
 RT: 3.298 min Scan# 216
 Delta R.T. 0.016 min
 Lab File: VL041387.D
 Acq: 22 Jul 2024 15:26

Tgt Ion: 45 Resp: 9557254
 Ion Ratio Lower Upper
 45 100
 46 41.2 13.3 53.3

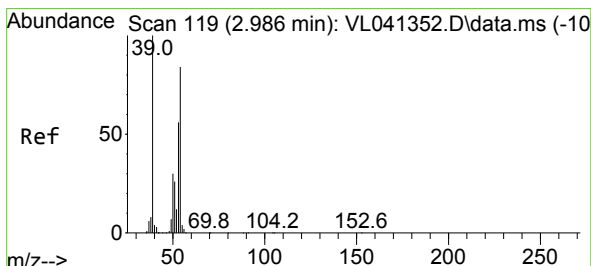
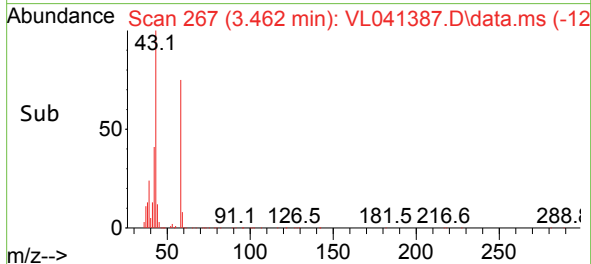
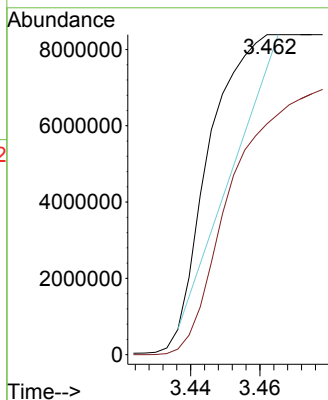
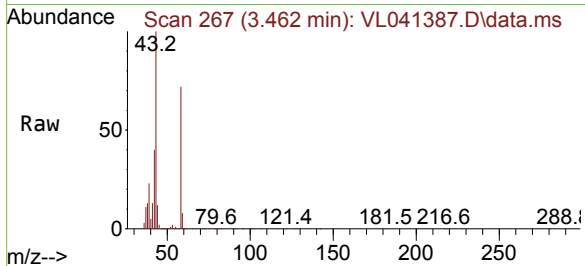




#15
Acetone
Concen: 31.874 ppbv
RT: 3.462 min Scan# 21
Delta R.T. -0.038 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

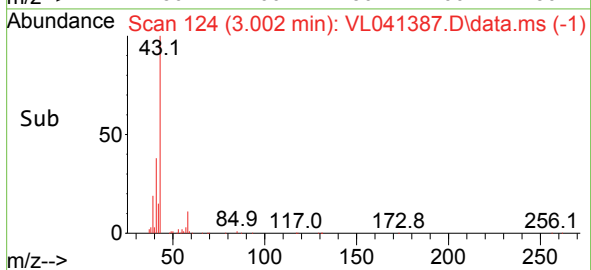
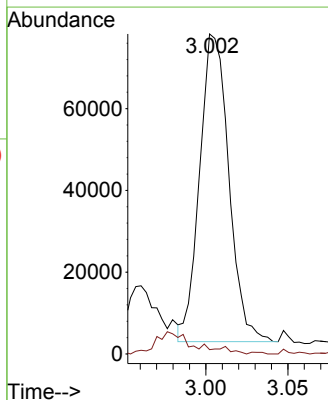
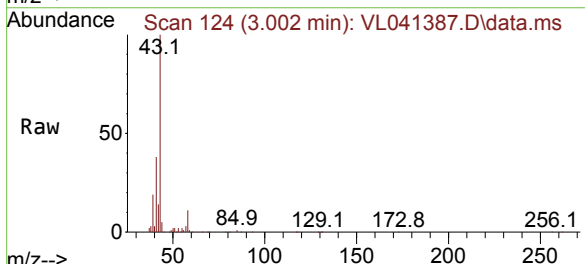
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MSVOA_L
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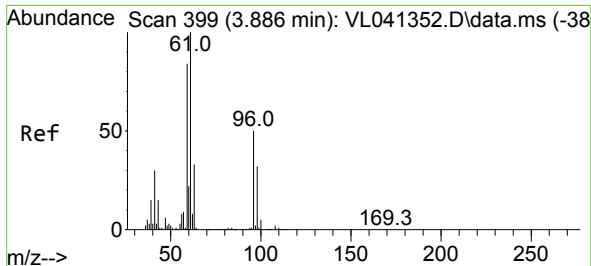
Tgt Ion: 43 Resp: 3667975
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#



#16
1,3-Butadiene
Concen: 1.699 ppbv
RT: 3.002 min Scan# 124
Delta R.T. -0.022 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 39 Resp: 93080
Ion Ratio Lower Upper
39 100
54 9.8 60.5 90.7#





#17

tert-Butyl alcohol

Concen: 2.682 ppbv

RT: 4.343 min Scan# 541

Delta R.T. 0.434 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

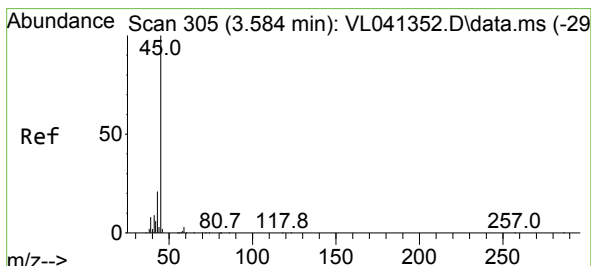
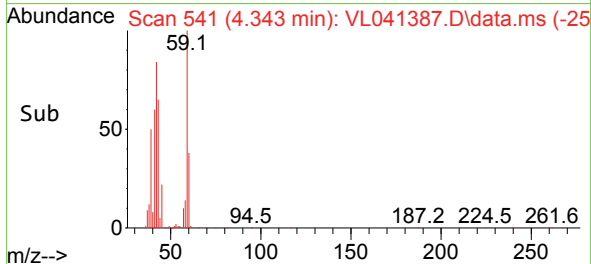
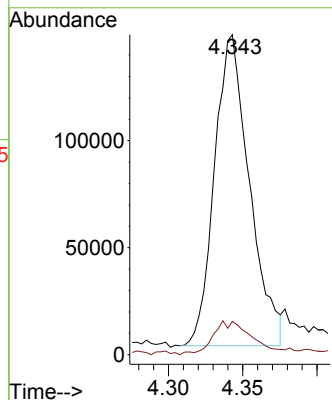
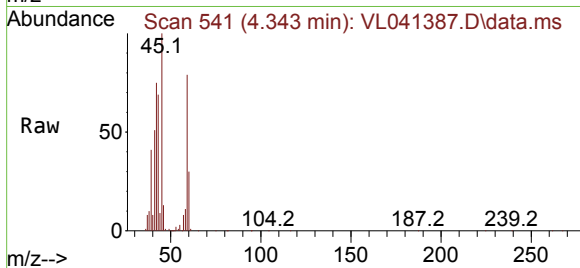
ClientSampleId :

Tgt Ion: 59 Resp: 238098

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



#19

Isopropyl Alcohol

Concen: 209.386 ppbv

RT: 3.623 min Scan# 317

Delta R.T. 0.013 min

Lab File: VL041387.D

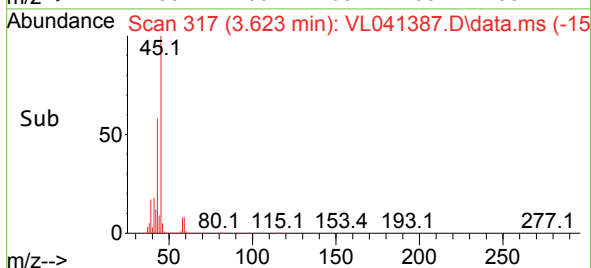
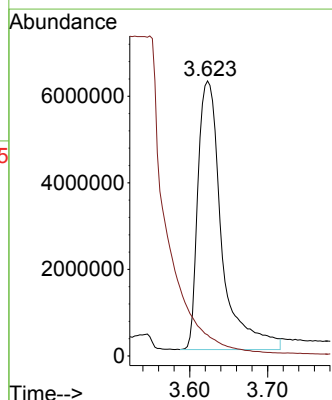
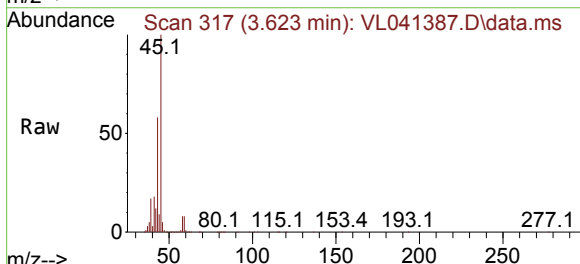
Acq: 22 Jul 2024 15:26

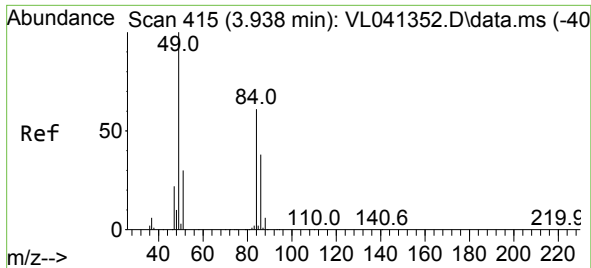
Tgt Ion: 45 Resp:13227666

Ion Ratio Lower Upper

45 100

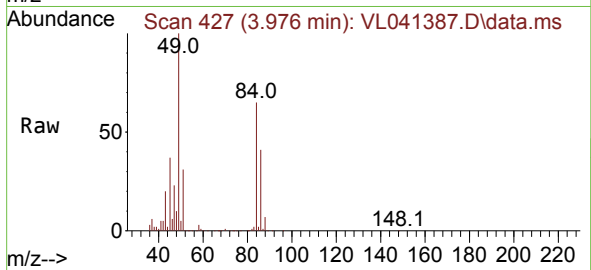
58 0.0 1.6 2.4#





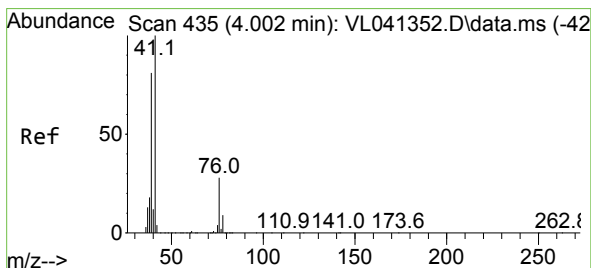
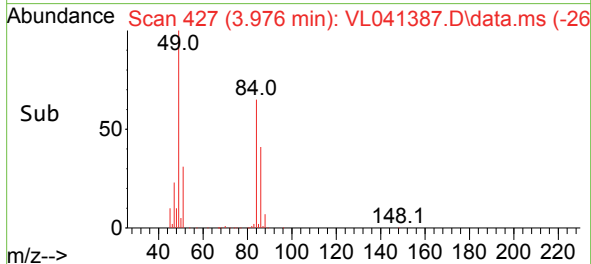
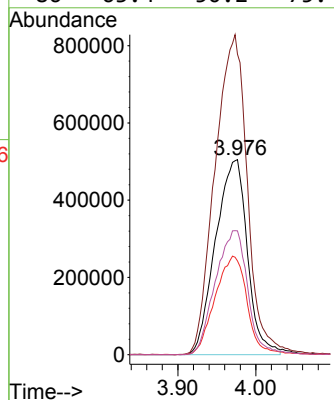
#20
Methylene Chloride
Concen: 34.292 ppbv
RT: 3.976 min Scan# 415
Delta R.T. 0.013 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 1431895

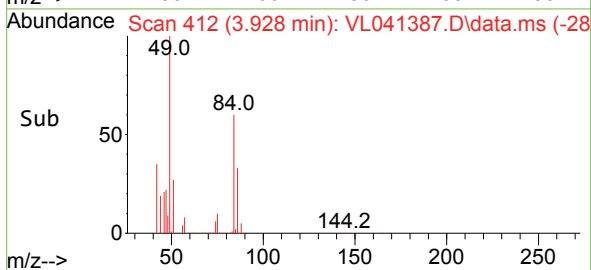
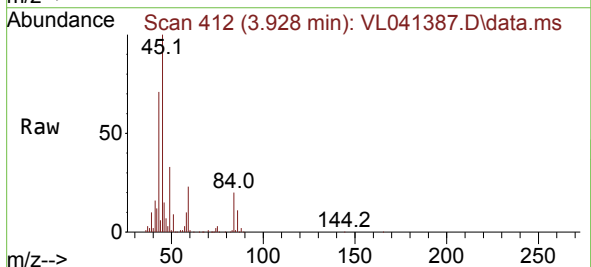
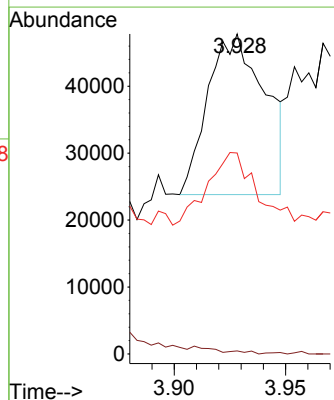
Ion	Ratio	Lower	Upper
84	100		
49	153.8	131.8	197.6
51	48.0	39.6	59.4
86	63.4	50.2	75.4

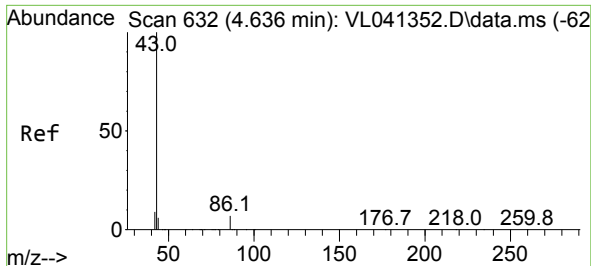


#21
Allyl Chloride
Concen: 0.612 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.096 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 41 Resp: 42492

Ion	Ratio	Lower	Upper
41	100		
76	14.3	23.3	34.9#
39	0.0	66.0	99.0#

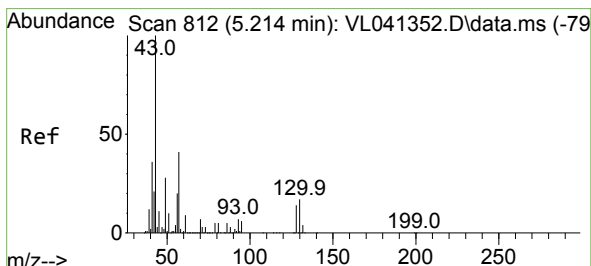
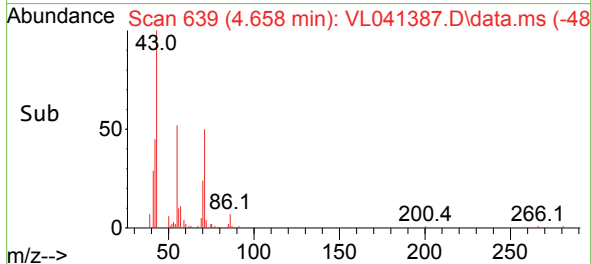
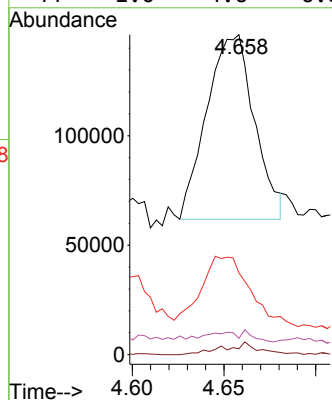
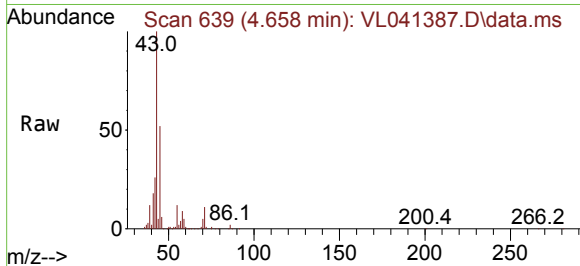




#23
 Vinyl Acetate
 Concen: 1.343 ppbv
 RT: 4.658 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL041387.D
 Acq: 22 Jul 2024 15:26

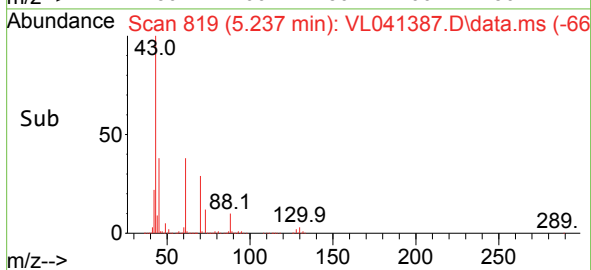
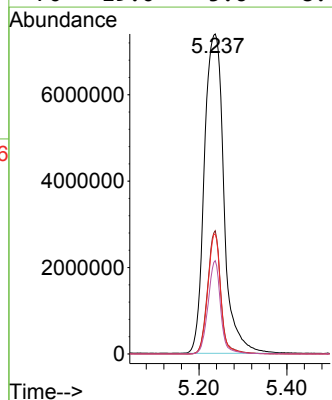
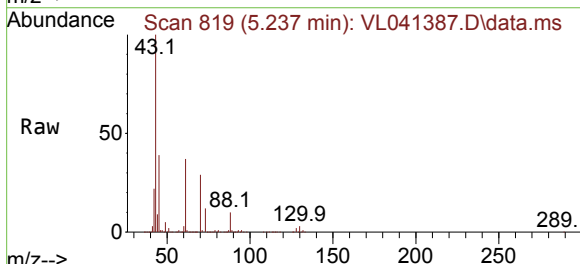
Instrument :
 MSVOA_L
 ClientSampleId :

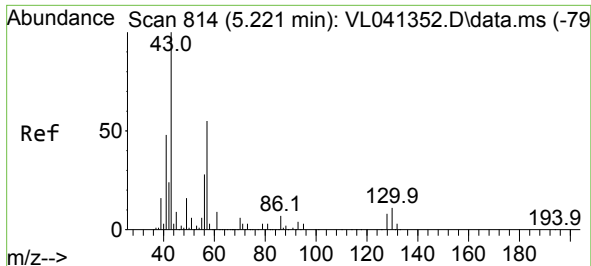
Tgt Ion: 43 Resp: 152356
 Ion Ratio Lower Upper
 43 100
 86 3.2 5.0 7.4#
 42 23.6 7.9 11.9#
 44 1.0 4.6 6.8#



#25
 Ethyl Acetate
 Concen: 107.420 ppbv
 RT: 5.237 min Scan# 819
 Delta R.T. 0.010 min
 Lab File: VL041387.D
 Acq: 22 Jul 2024 15:26

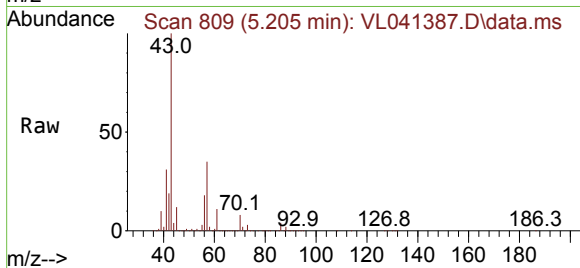
Tgt Ion: 43 Resp:22762363
 Ion Ratio Lower Upper
 43 100
 45 26.1 8.3 12.5#
 61 25.1 7.7 11.5#
 70 19.0 5.6 8.4#



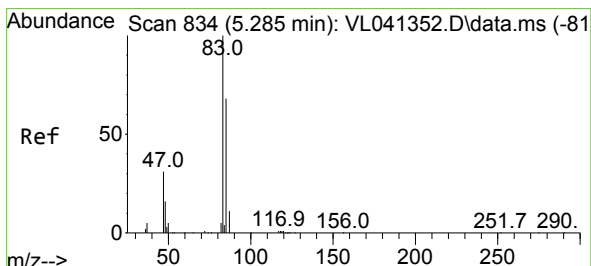
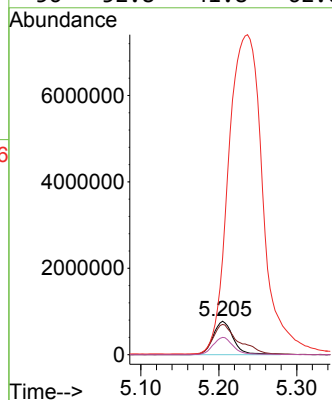
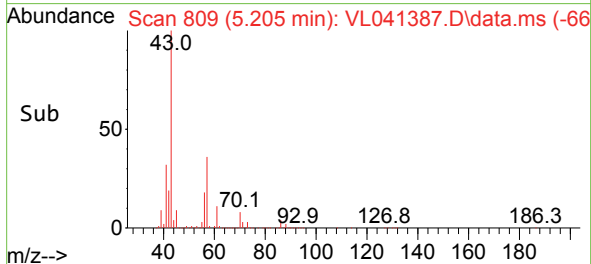


#26
Hexane
Concen: 14.845 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.025 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Instrument :
MSVOA_L
ClientSampleId :

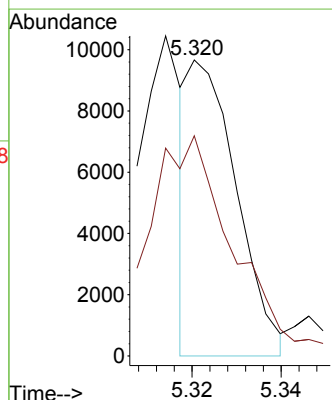
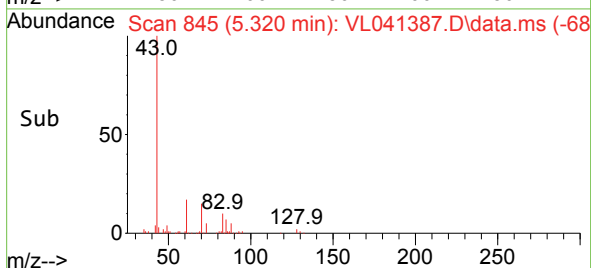
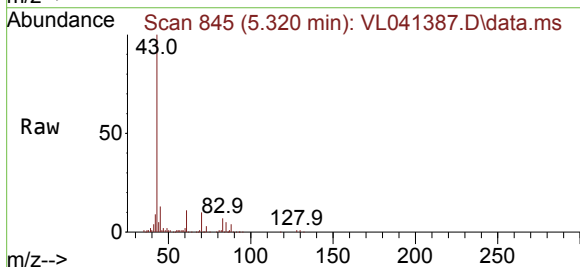


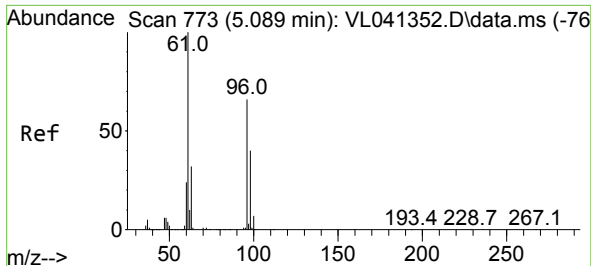
Tgt Ion: 57 Resp: 1392899
Ion Ratio Lower Upper
57 100
41 116.5 73.7 110.5#
43 1644.5 182.2 273.2#
56 52.8 41.8 62.6



#29
Chloroform
Concen: 0.050 ppbv
RT: 5.320 min Scan# 845
Delta R.T. 0.026 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 83 Resp: 7204
Ion Ratio Lower Upper
83 100
85 70.6 54.2 81.4

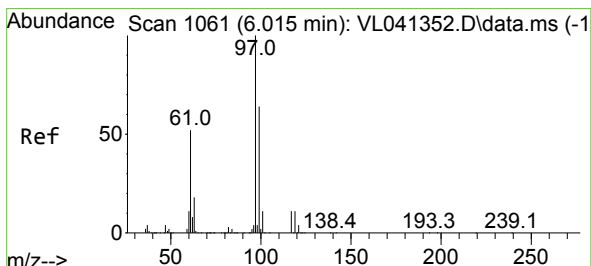
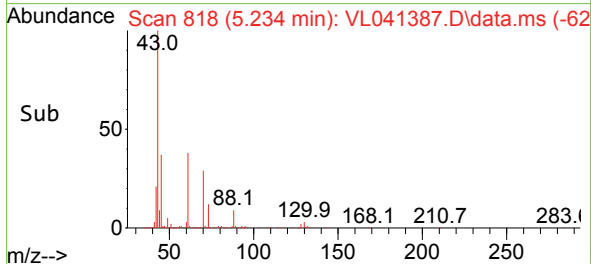
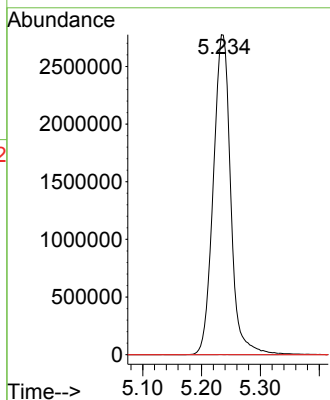
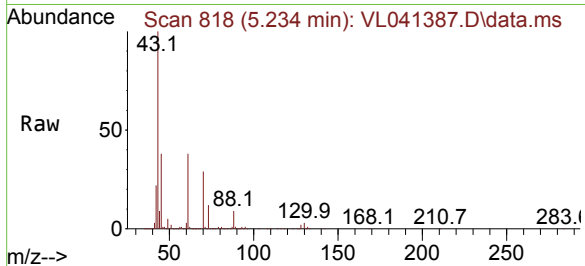




#31
 cis-1,2-Dichloroethene
 Concen: 63.320 ppbv
 RT: 5.234 min Scan# 81
 Delta R.T. 0.135 min
 Lab File: VL041387.D
 Acq: 22 Jul 2024 15:26

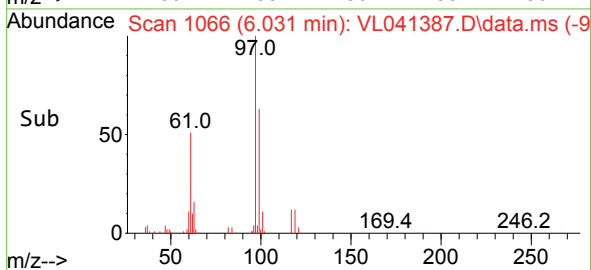
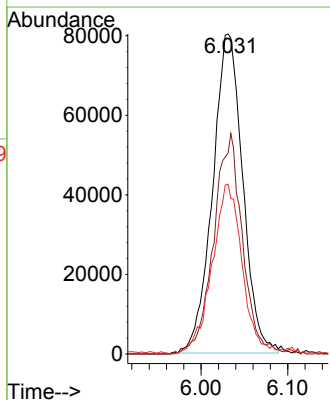
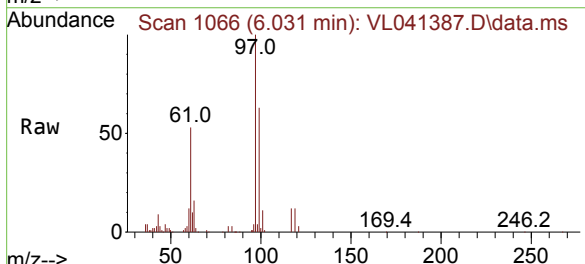
Instrument :
 MSVOA_L
 ClientSampleId :

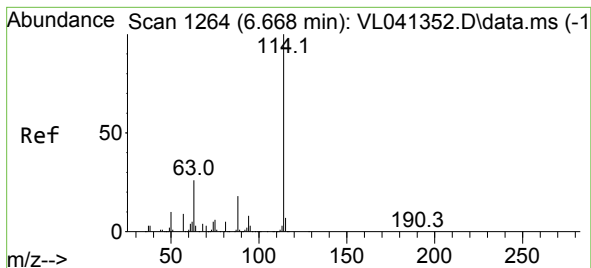
Tgt Ion: 61 Resp: 5695770
 Ion Ratio Lower Upper
 61 100
 96 0.0 52.6 79.0#
 98 0.0 32.3 48.5#



#32
 1,1,1-Trichloroethane
 Concen: 1.276 ppbv
 RT: 6.031 min Scan# 1066
 Delta R.T. 0.013 min
 Lab File: VL041387.D
 Acq: 22 Jul 2024 15:26

Tgt Ion: 97 Resp: 193826
 Ion Ratio Lower Upper
 97 100
 99 66.3 52.0 78.0
 61 53.2 43.0 64.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.681 min Scan# 114

Delta R.T. 0.013 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

ClientSampleId :

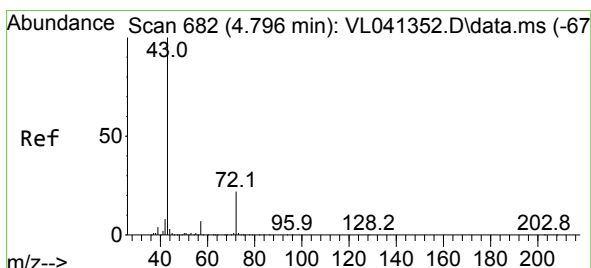
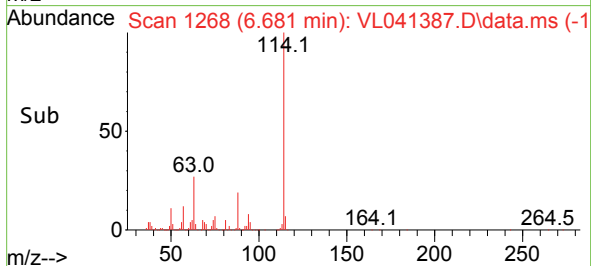
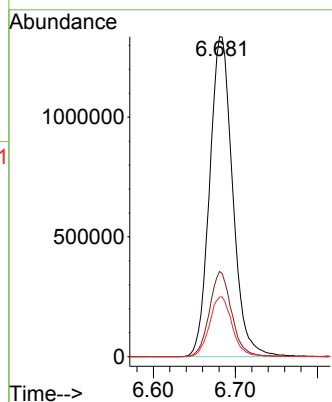
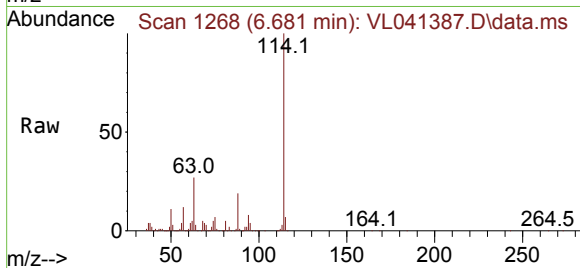
Tgt Ion:114 Resp: 2597731

Ion Ratio Lower Upper

114 100

63 25.8 20.6 31.0

88 18.6 14.6 21.8



#34

2-Butanone

Concen: 2.963 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.013 min

Lab File: VL041387.D

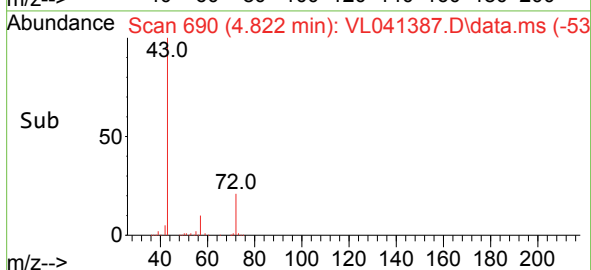
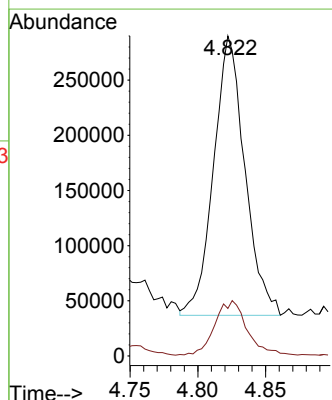
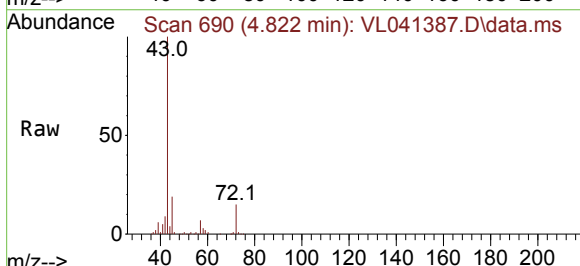
Acq: 22 Jul 2024 15:26

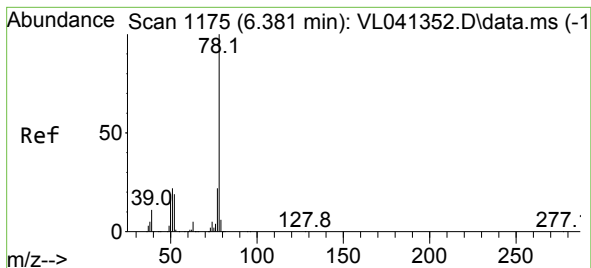
Tgt Ion: 43 Resp: 406213

Ion Ratio Lower Upper

43 100

72 21.6 17.2 25.8





#36

Benzene

Concen: 0.368 ppbv

RT: 6.394 min Scan# 1175

Delta R.T. 0.007 min

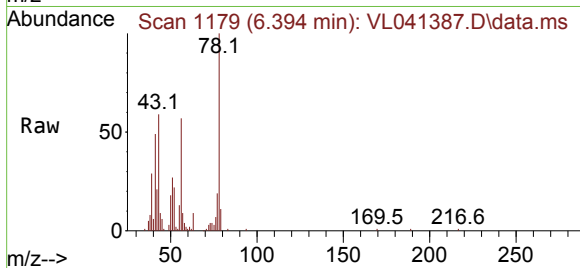
Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

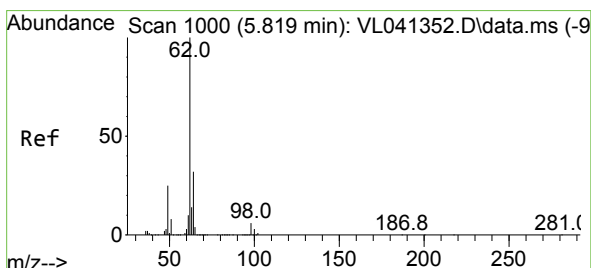
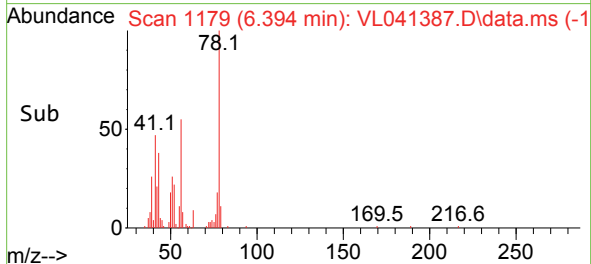
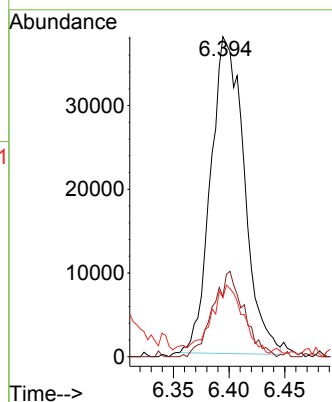
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	78	Resp:	79134
Ion Ratio	Lower	Upper	
78	100		
77	19.0	17.9	26.9
50	16.9	15.5	23.3



#37

1,2-Dichloroethane

Concen: 0.043 ppbv

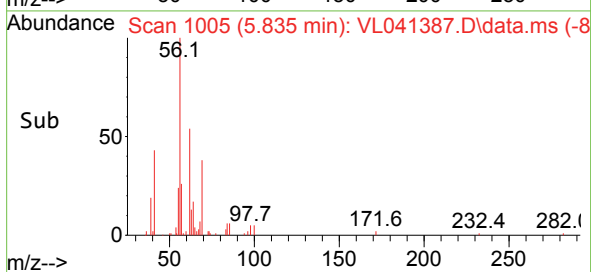
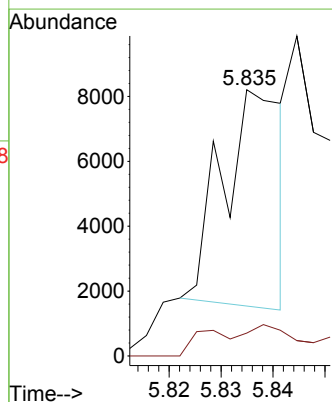
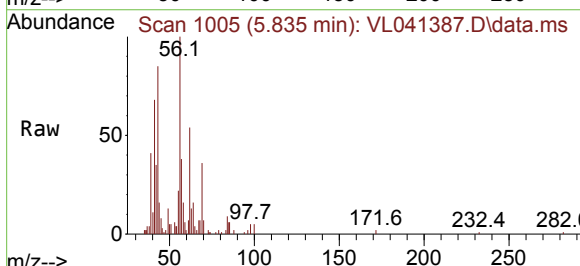
RT: 5.835 min Scan# 1005

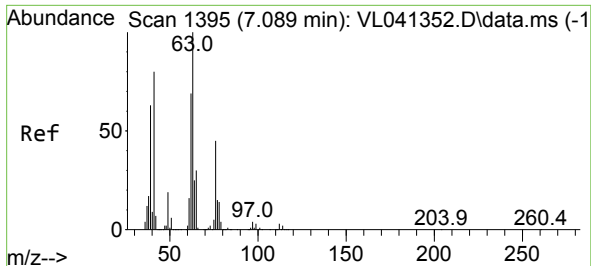
Delta R.T. 0.010 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Tgt Ion:	62	Resp:	5277
Ion Ratio	Lower	Upper	
62	100		
98	26.2	4.8	7.2





#39

1,2-Dichloropropane

Concen: 8.042 ppbv

RT: 6.681 min Scan# 11

Delta R.T. -0.408 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

ClientSampleId :

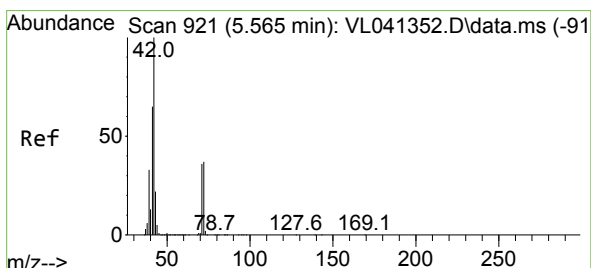
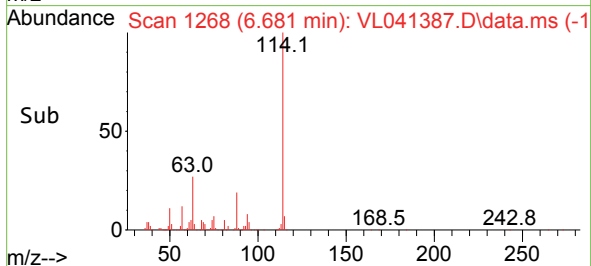
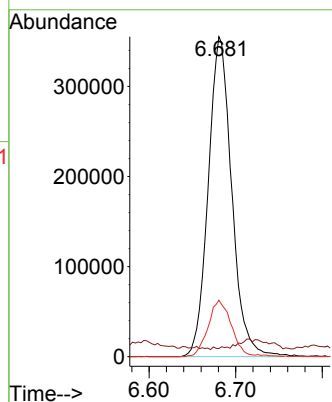
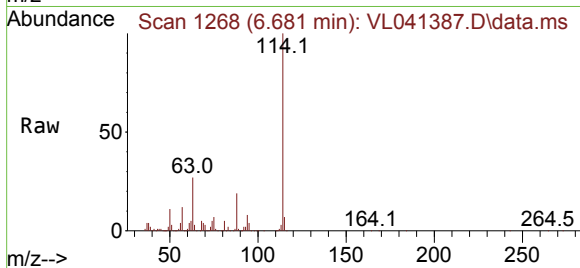
Tgt Ion: 63 Resp: 668170

Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

62 17.6 55.2 82.8#



#41

Tetrahydrofuran

Concen: 43.240 ppbv

RT: 5.237 min Scan# 819

Delta R.T. -0.341 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

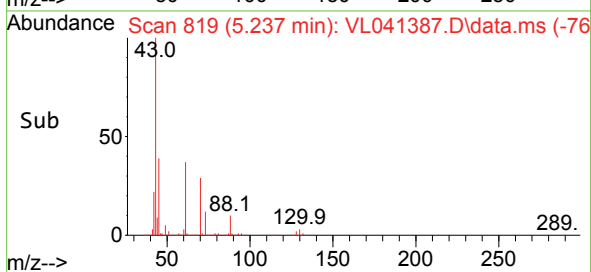
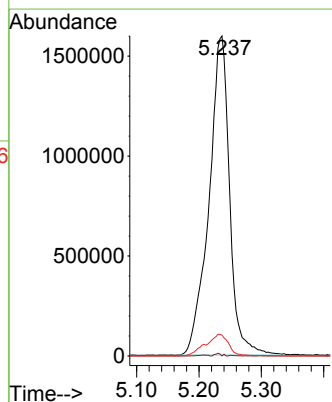
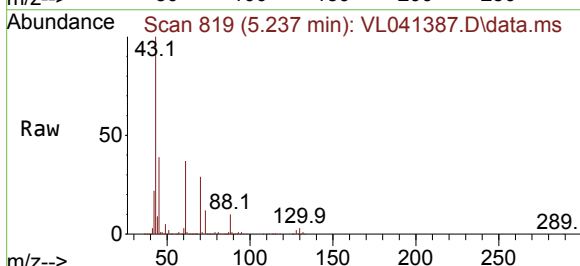
Tgt Ion: 42 Resp: 3671494

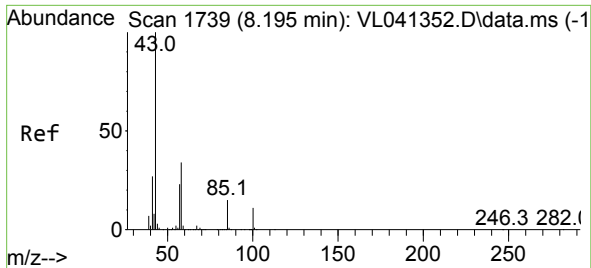
Ion Ratio Lower Upper

42 100

72 0.5 30.3 45.5#

71 7.7 29.7 44.5#

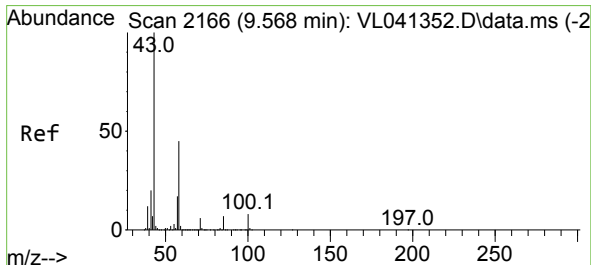
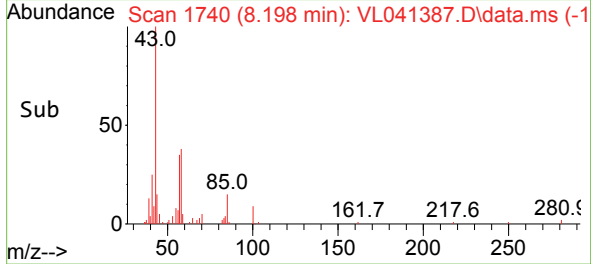
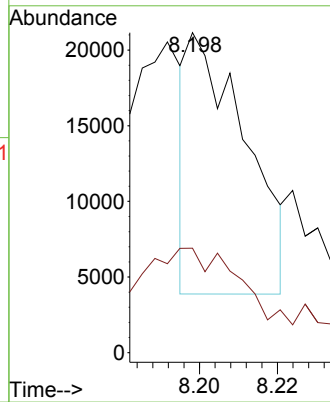
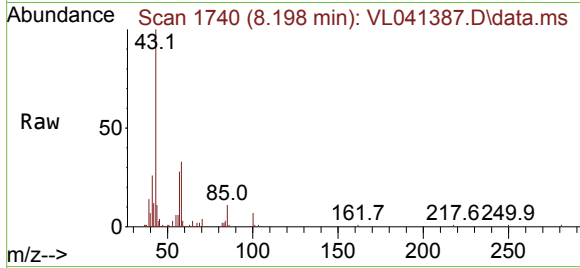




#50
4-Methyl-2-Pentanone
Concen: 0.081 ppbv
RT: 8.198 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

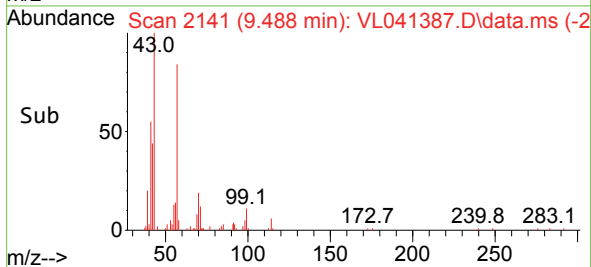
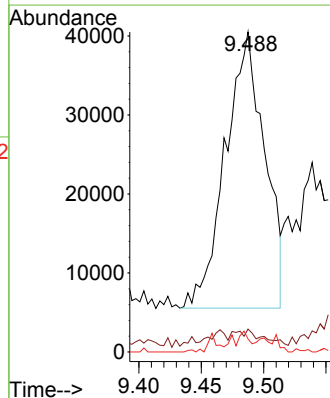
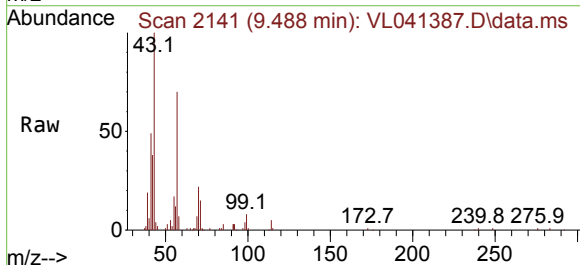
Instrument :
MSVOA_L
ClientSampleId :

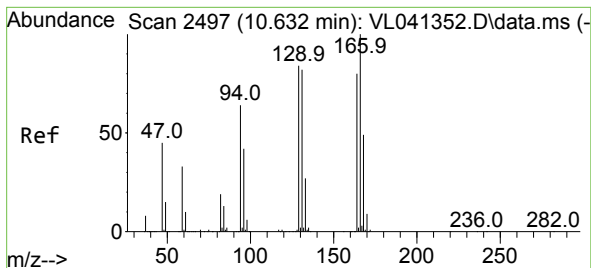
Tgt Ion: 43 Resp: 17811
Ion Ratio Lower Upper
43 100
58 88.3 27.8 41.8#



#51
2-Hexanone
Concen: 0.489 ppbv
RT: 9.488 min Scan# 2141
Delta R.T. -0.071 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 43 Resp: 76519
Ion Ratio Lower Upper
43 100
58 7.4 38.0 57.0#
98 4.5 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.034 ppbv

RT: 10.635 min Scan# 2497

Delta R.T. 0.016 min

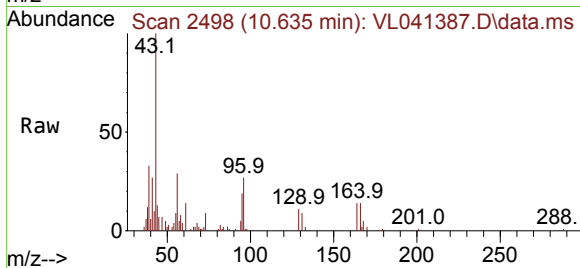
Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 2949

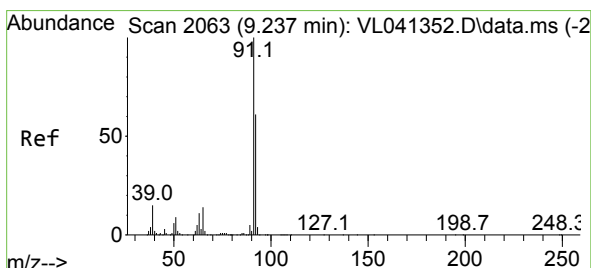
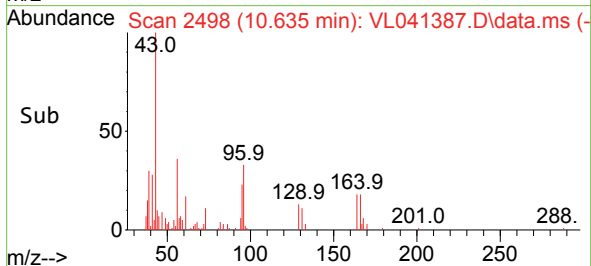
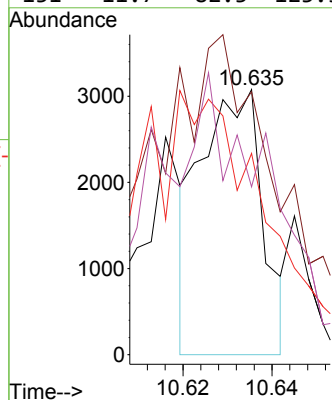
Ion Ratio Lower Upper

164 100

166 64.3 99.8 149.8#

129 44.4 83.8 125.6#

131 11.7 82.3 123.5#



#53

Toluene

Concen: 13.380 ppbv

RT: 9.233 min Scan# 2062

Delta R.T. 0.007 min

Lab File: VL041387.D

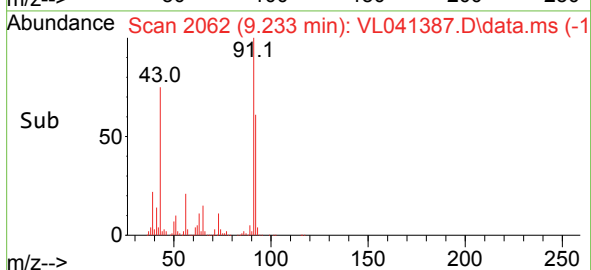
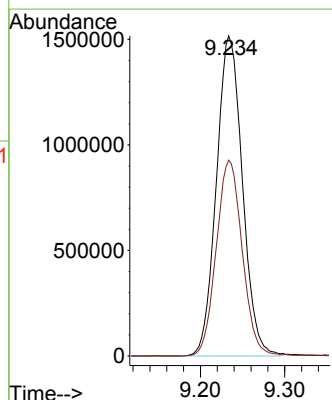
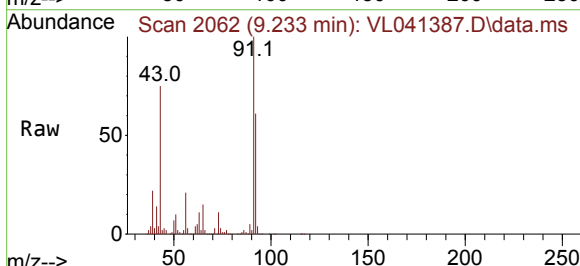
Acq: 22 Jul 2024 15:26

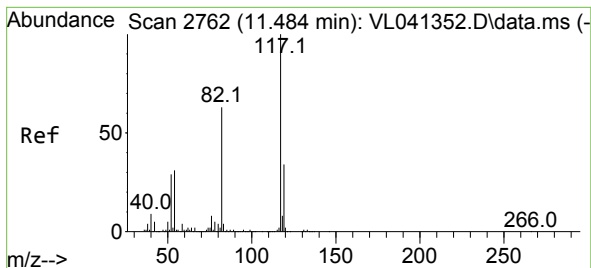
Tgt Ion: 91 Resp: 3244330

Ion Ratio Lower Upper

91 100

92 61.6 48.5 72.7

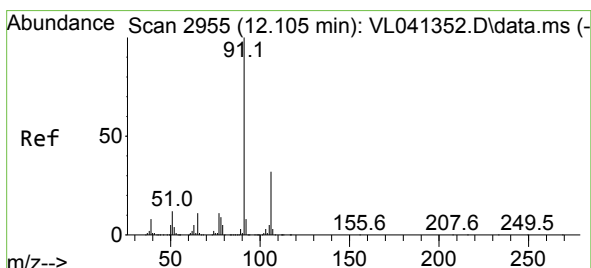
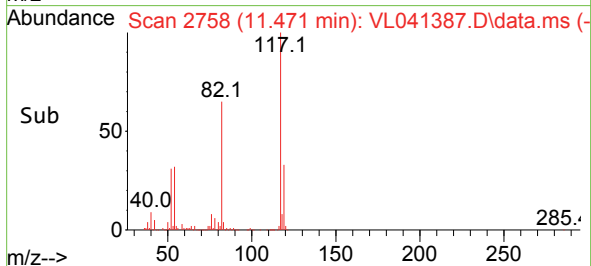
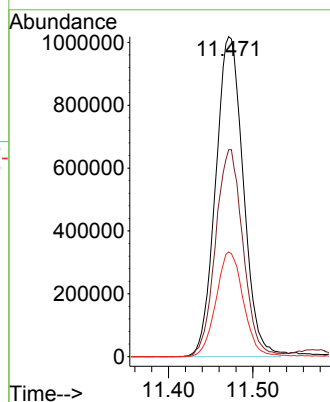
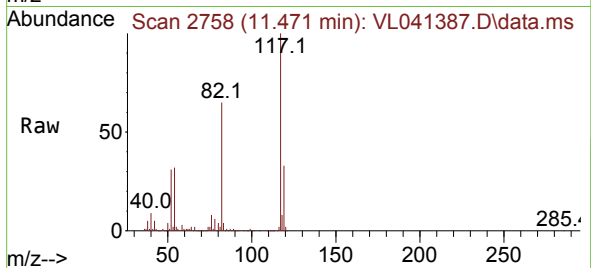




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

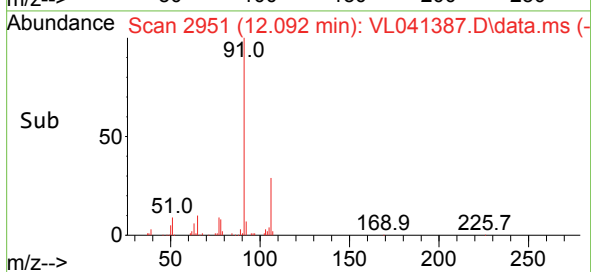
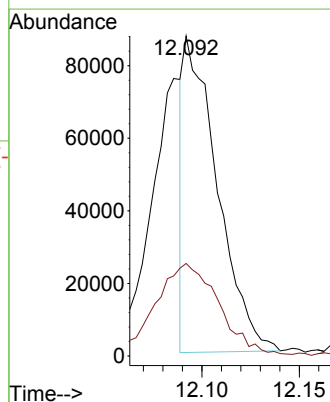
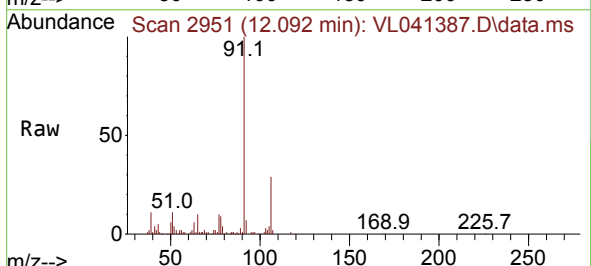
Instrument :
MSVOA_L
ClientSampleId :

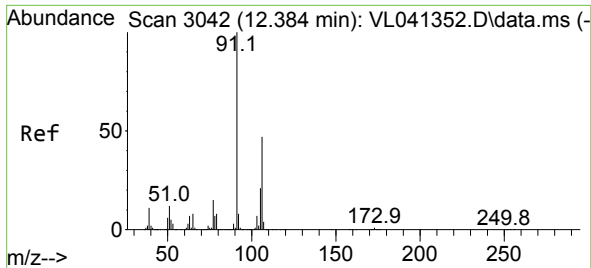
Tgt Ion:117 Resp: 2318692
Ion Ratio Lower Upper
117 100
82 64.2 50.6 75.8
119 32.6 24.7 37.1



#58
Ethyl Benzene
Concen: 0.334 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 91 Resp: 103522
Ion Ratio Lower Upper
91 100
106 28.6 25.4 38.0





#59

m/p-Xylene

Concen: 2.900 ppbv

RT: 12.346 min Scan# 3042

Delta R.T. -0.025 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

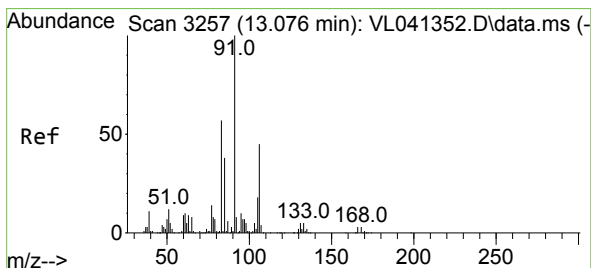
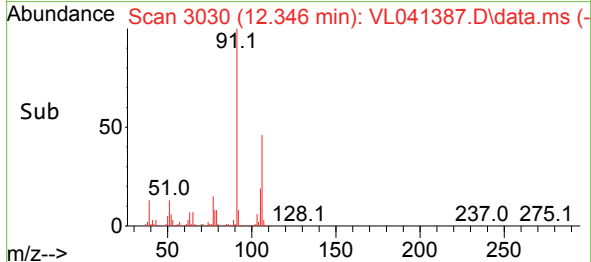
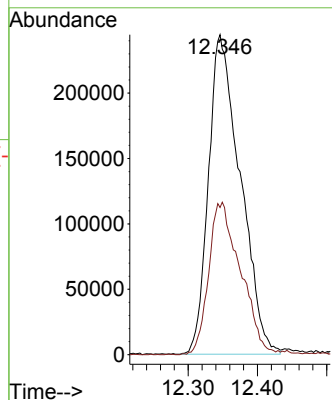
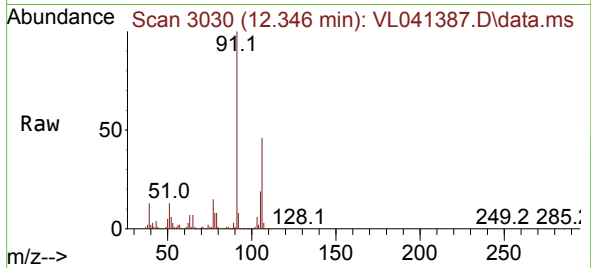
ClientSampleId :

Tgt Ion: 91 Resp: 778655

Ion Ratio Lower Upper

91 100

106 48.2 35.6 53.4



#60

o-Xylene

Concen: 1.437 ppbv

RT: 13.057 min Scan# 3251

Delta R.T. -0.003 min

Lab File: VL041387.D

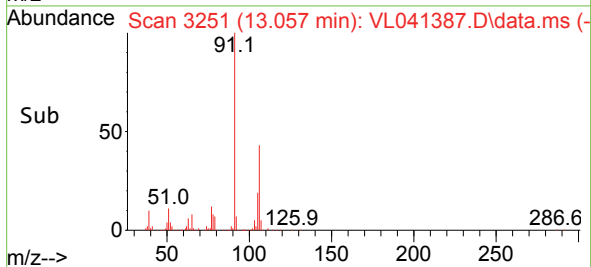
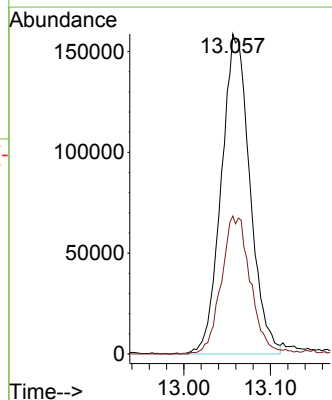
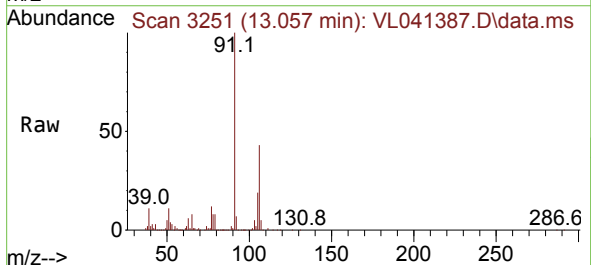
Acq: 22 Jul 2024 15:26

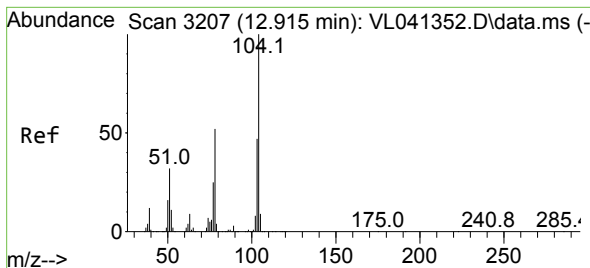
Tgt Ion: 91 Resp: 363990

Ion Ratio Lower Upper

91 100

106 45.5 23.3 69.8





#61

Styrene

Concen: 0.069 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

ClientSampleId :

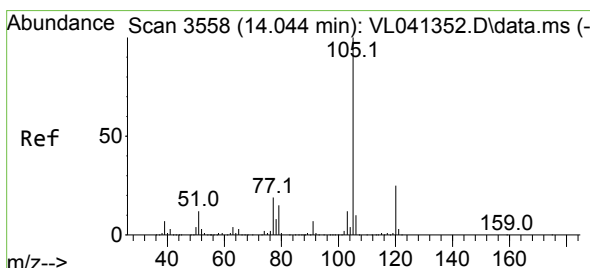
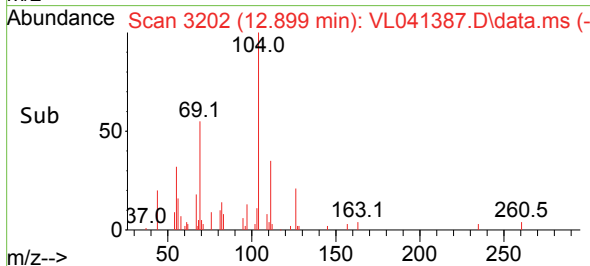
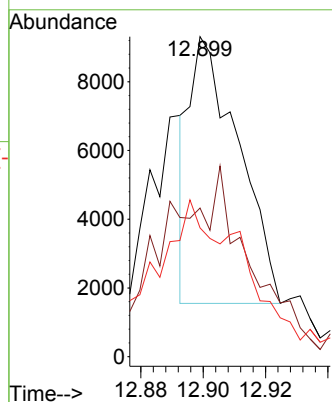
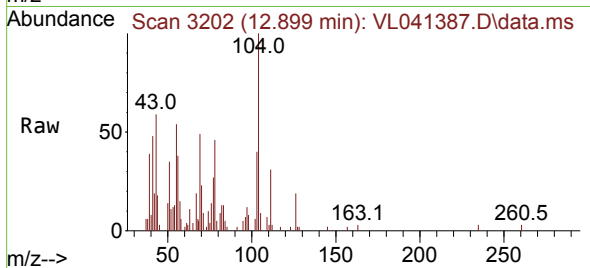
Tgt Ion:104 Resp: 8461

Ion Ratio Lower Upper

104 100

78 141.7 40.6 61.0#

103 114.4 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.175 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.000 min

Lab File: VL041387.D

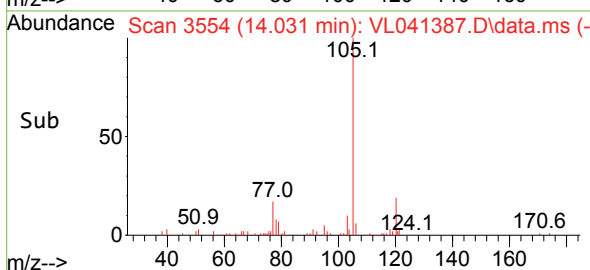
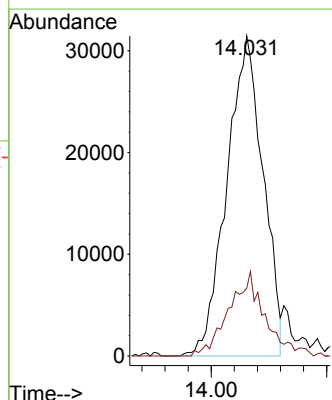
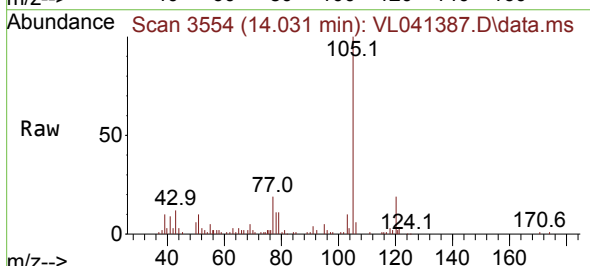
Acq: 22 Jul 2024 15:26

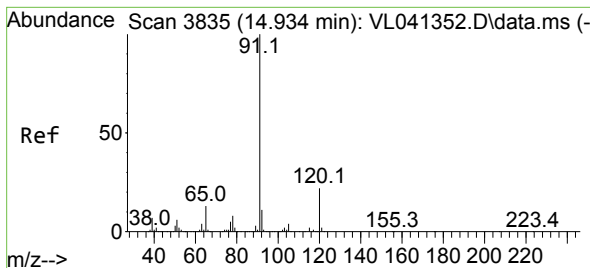
Tgt Ion:105 Resp: 68595

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3





#64

n-propylbenzene

Concen: 0.081 ppbv

RT: 14.921 min Scan# 3831

Delta R.T. 0.007 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

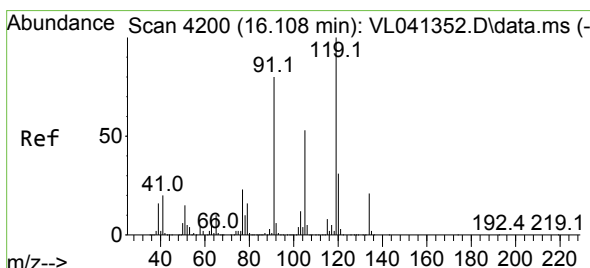
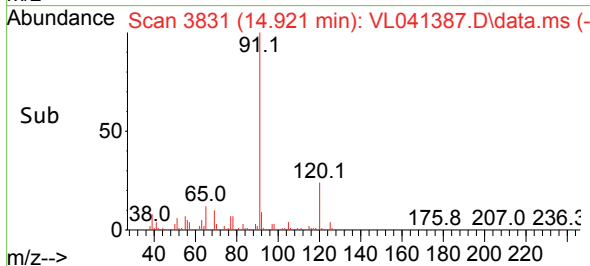
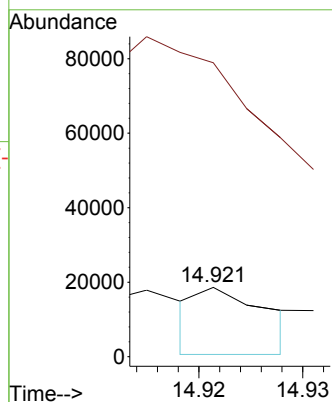
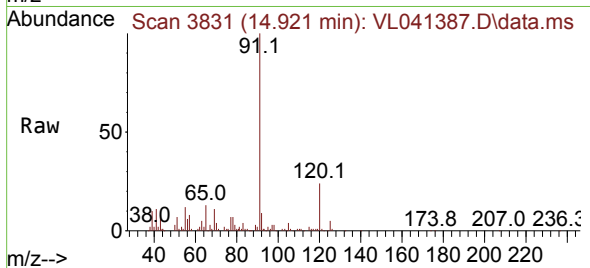
ClientSampleId :

Tgt Ion:120 Resp: 8308

Ion Ratio Lower Upper

120 100

91 0.0 378.4 567.6#



#65

tert-Butylbenzene

Concen: 0.127 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.013 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

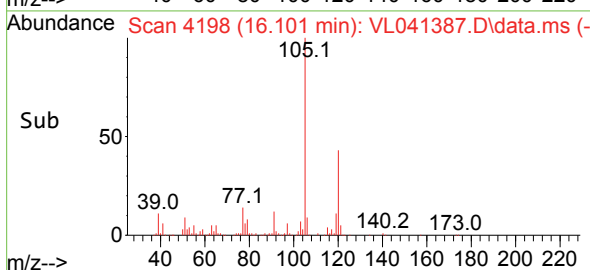
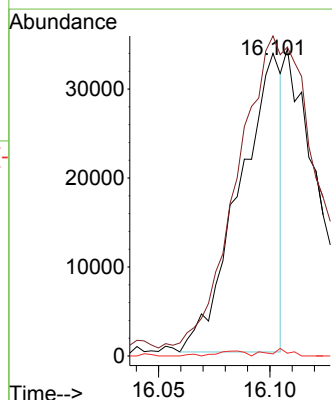
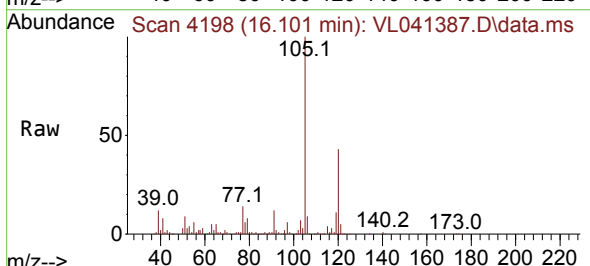
Tgt Ion:119 Resp: 44192

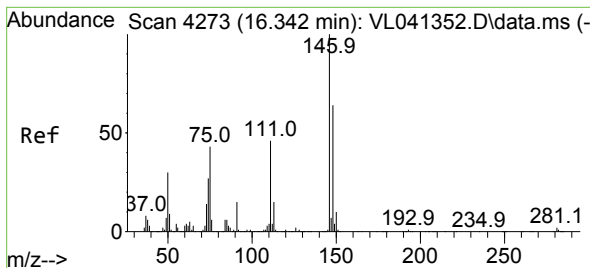
Ion Ratio Lower Upper

119 100

91 226.7 65.8 98.6#

134 0.0 15.7 23.5#

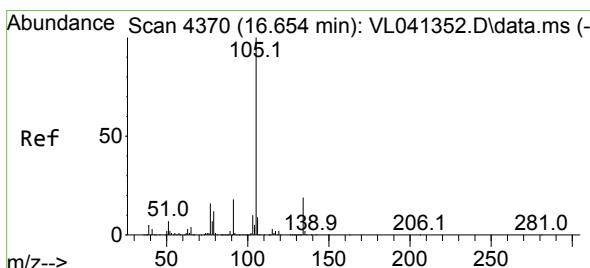
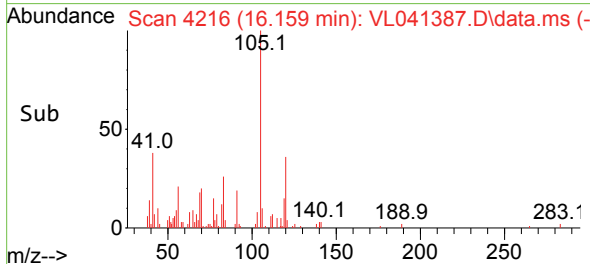
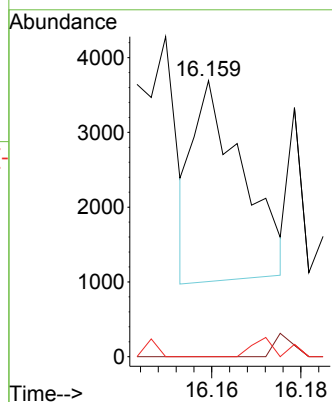
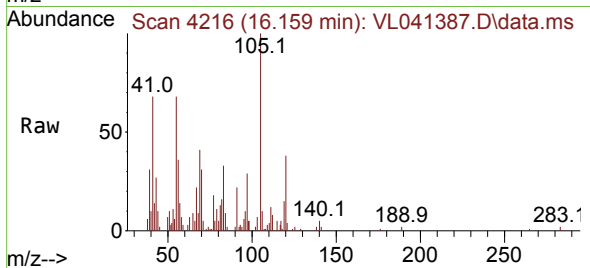




#66
Benzyl Chloride
Concen: 0.090 ppbv
RT: 16.159 min Scan# 41
Delta R.T. -0.164 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

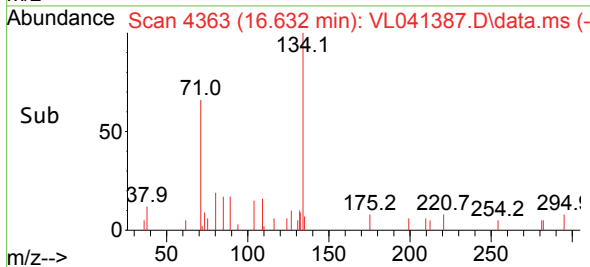
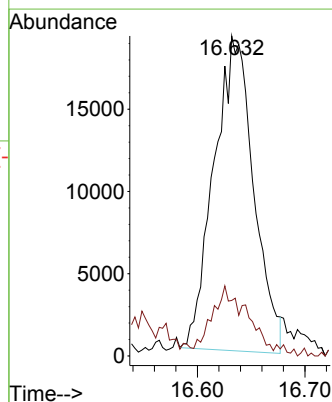
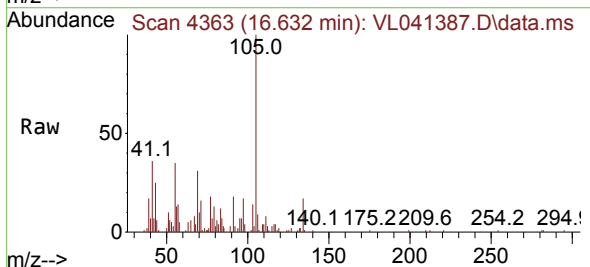
Instrument :
MSVOA_L
ClientSampleId :

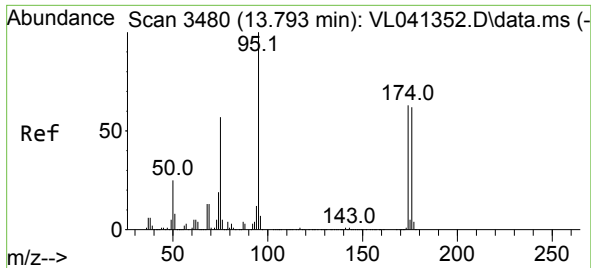
Tgt Ion: 91 Resp: 2066
Ion Ratio Lower Upper
91 100
126 12.1 15.4 23.0#
128 0.0 5.0 7.4#



#67
sec-Butylbenzene
Concen: 0.100 ppbv
RT: 16.632 min Scan# 4363
Delta R.T. -0.003 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 105 Resp: 49212
Ion Ratio Lower Upper
105 100
134 22.2 14.2 21.2#

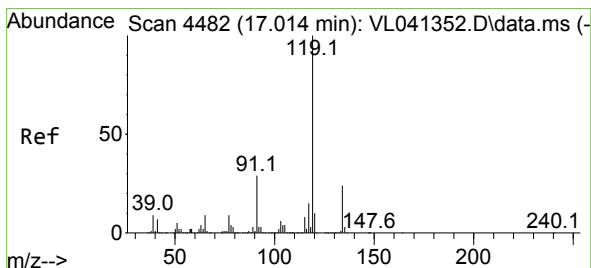
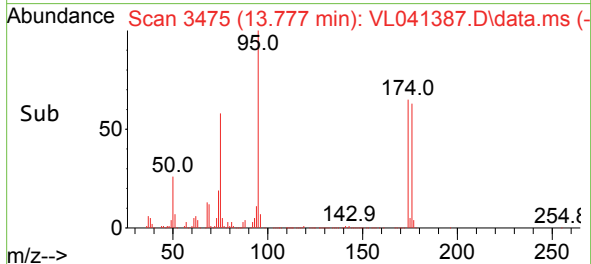
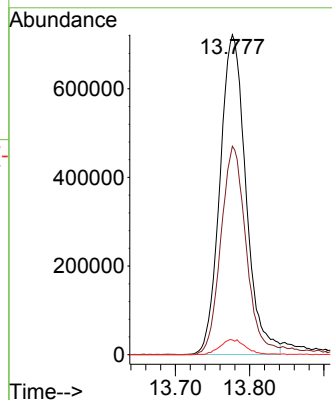
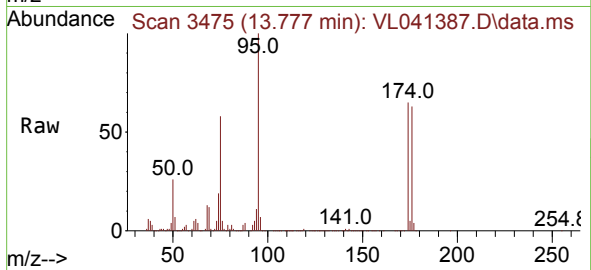




#68
1-Bromo-4-Fluorobenzene
Concen: 10.077 ppbv
RT: 13.777 min Scan# 3480
Delta R.T. 0.000 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

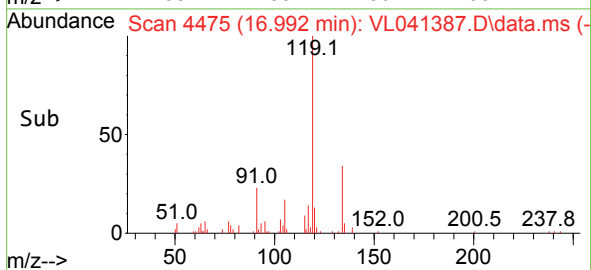
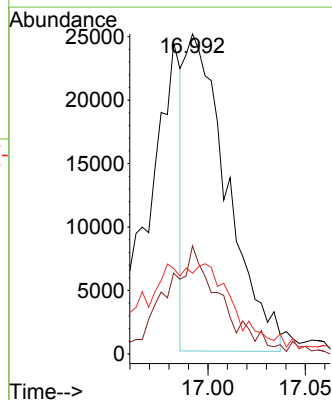
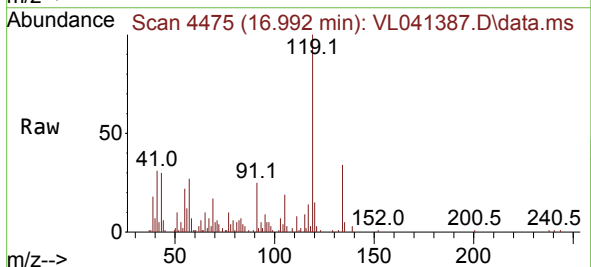
Instrument :
MSVOA_L
ClientSampleId :

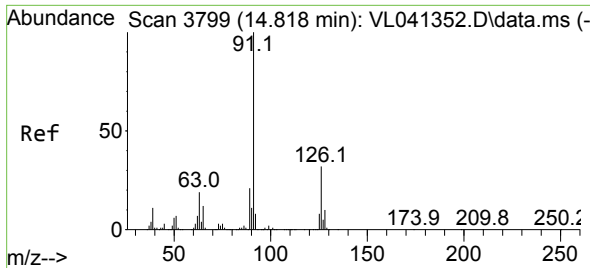
Tgt Ion: 95 Resp: 1751297
Ion Ratio Lower Upper
95 100
174 66.8 53.1 79.7
175 4.8 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.093 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 119 Resp: 37727
Ion Ratio Lower Upper
119 100
134 49.1 20.0 30.0#
91 54.3 23.7 35.5#

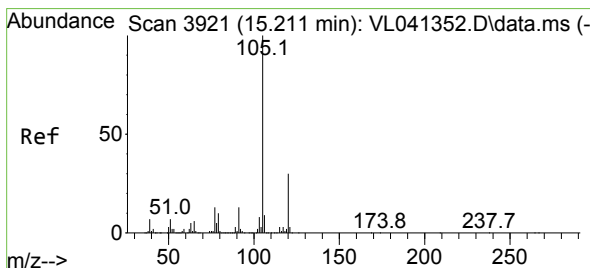
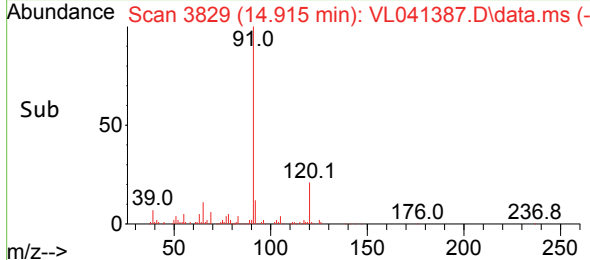
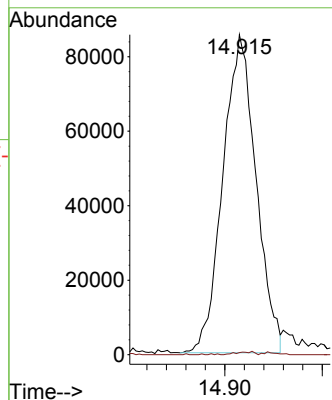
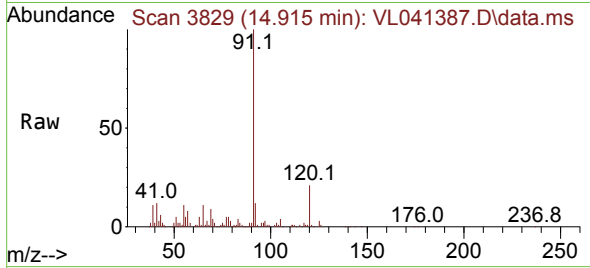




#71
2-Chlorotoluene
Concen: 0.694 ppbv
RT: 14.915 min Scan# 31
Delta R.T. 0.116 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

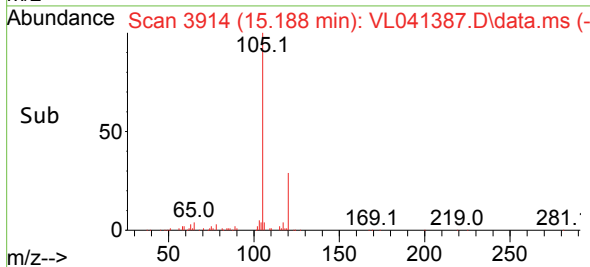
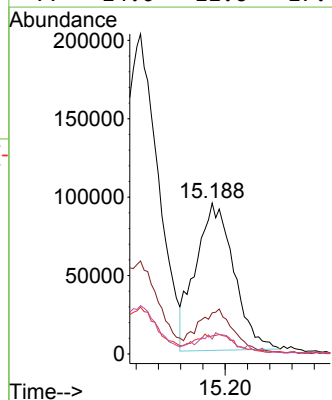
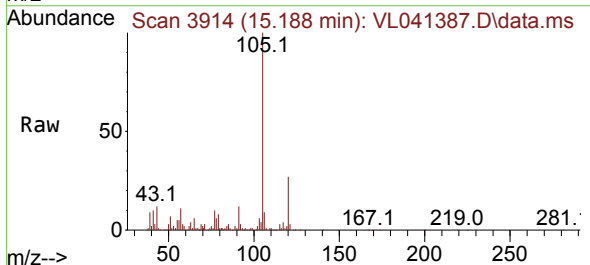
Instrument :
MSVOA_L
ClientSampleId :

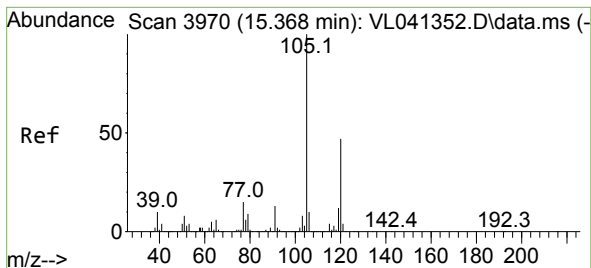
Tgt Ion: 91 Resp: 201815
Ion Ratio Lower Upper
91 100
126 0.9 12.9 51.7#



#72
4-Ethyltoluene
Concen: 0.741 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041387.D
Acq: 22 Jul 2024 15:26

Tgt Ion: 105 Resp: 223560
Ion Ratio Lower Upper
105 100
120 31.2 24.2 36.4
91 13.9 10.2 15.2
77 14.0 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 1.089 ppbv

RT: 15.352 min Scan# 3970

Delta R.T. 0.003 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

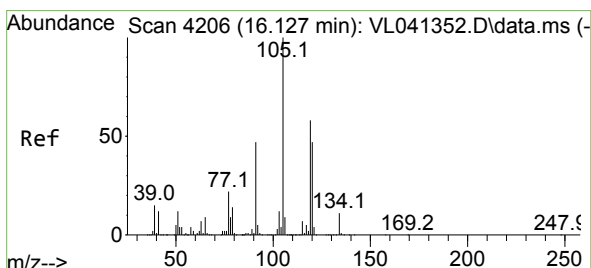
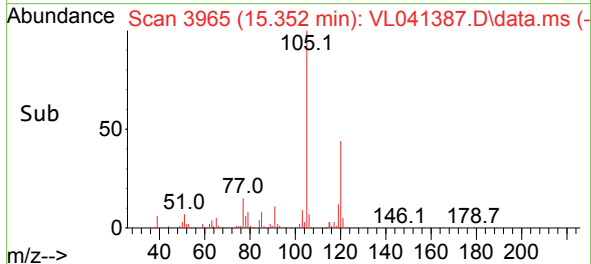
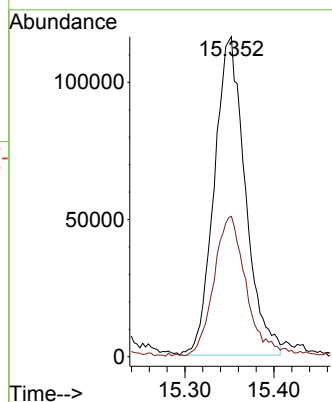
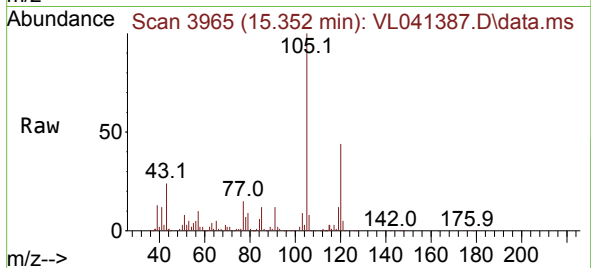
ClientSampleId :

Tgt Ion:105 Resp: 281214

Ion Ratio Lower Upper

105 100

120 43.6 37.3 55.9



#74

1,2,4-Trimethylbenzene

Concen: 2.616 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Tgt Ion:105 Resp: 761599

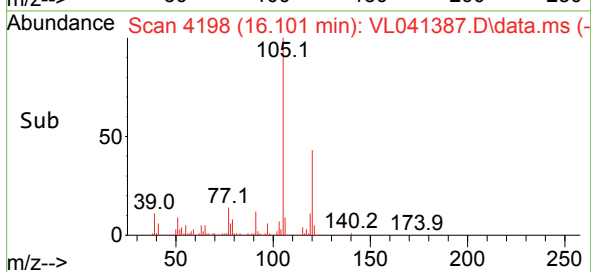
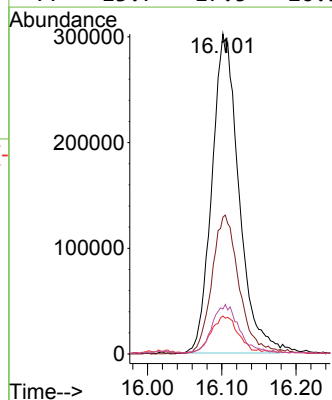
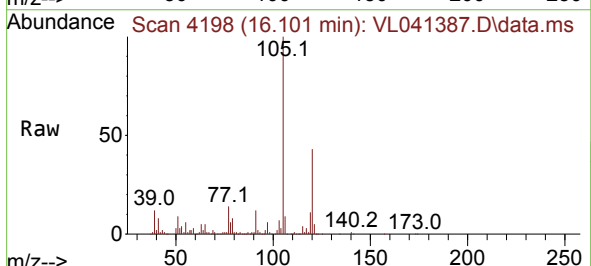
Ion Ratio Lower Upper

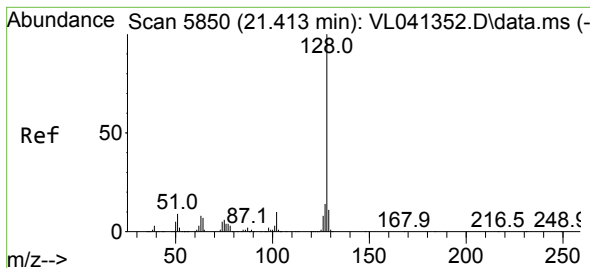
105 100

120 42.7 37.8 56.8

91 11.4 38.0 57.0#

77 13.7 17.5 26.3#





#79

Naphthalene

Concen: 0.083 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041387.D

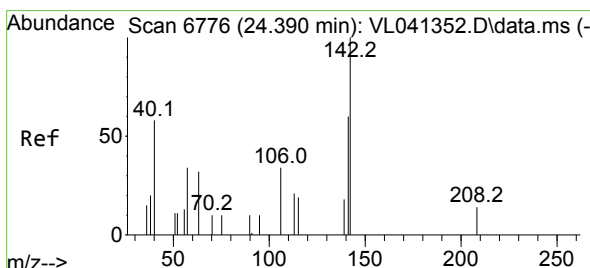
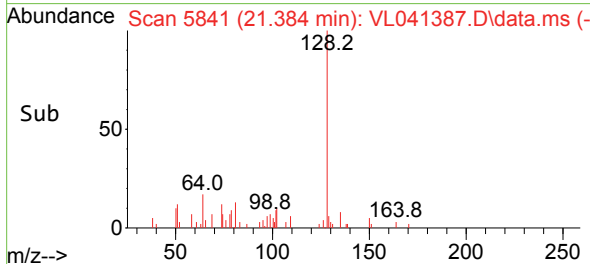
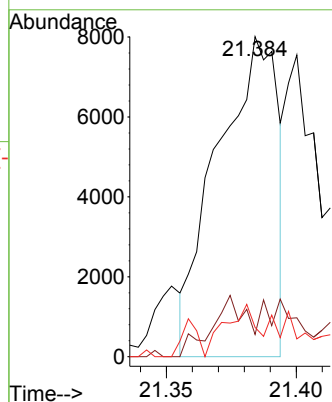
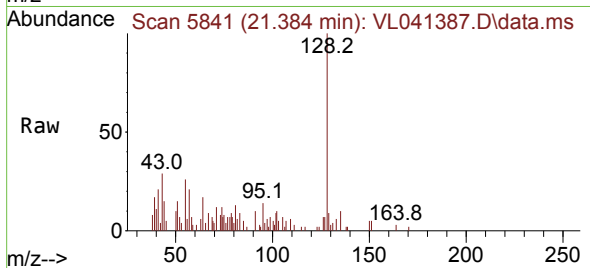
Acq: 22 Jul 2024 15:26

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp:	12924
Ion Ratio	Lower	Upper
128	100	
127	8.7	10.8 16.2#
129	5.4	9.0 13.4#



#80

Naphthalene,2-methyl-

Concen: 1.473 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. -0.009 min

Lab File: VL041387.D

Acq: 22 Jul 2024 15:26

Tgt Ion:142	Resp:	607
Ion Ratio	Lower	Upper
142	100	
141	42.2	37.9 56.9
115	85.2	11.0 16.4#

