

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041386.D
 Acq On : 22 Jul 2024 14:44
 Operator : SY/MD
 Sample : P3259-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 03:15:30 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	5.246	49	835420	10.000	ppbv	0.04
33) 1,4-Difluorobenzene	6.684	114	2390931	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.474	117	2250718	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.777	95	1707863	10.124	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.729	85	87509	0.614	ppbv	99
3) Chlorodifluoromethane	2.655	51	200645	1.393	ppbv #	69
4) Chloromethane	2.877	50	3384	0.061	ppbv	98
9) Propene	2.706	41	126159	2.531	ppbv #	75
10) Heptane	7.578	43	42234	0.361	ppbv #	75
11) Trichlorofluoromethane	3.552	101	539651	3.889	ppbv #	25
13) Ethanol	3.304	45	10008020	905.045	ppbv	87
15) Acetone	3.468	43	3765212	34.125	ppbv #	50
16) 1,3-Butadiene	3.015	39	76095	1.449	ppbv #	26
17) tert-Butyl alcohol	3.629	59	709214	8.332	ppbv #	89
19) Isopropyl Alcohol	3.629	45	12967974	214.098	ppbv #	94
20) Methylene Chloride	3.976	84	616674	15.403	ppbv	98
21) Allyl Chloride	3.935	41	44265	0.665	ppbv #	1
23) Vinyl Acetate	4.690	43	15595	0.143	ppbv #	56
25) Ethyl Acetate	5.240	43	23097287	113.685	ppbv #	57
26) Hexane	5.208	57	579716	6.444	ppbv #	1
27) Carbon Disulfide	4.121	76	7200	0.066	ppbv #	1
29) Chloroform	5.320	83	16503	0.119	ppbv	90
31) cis-1,2-Dichloroethene	5.240	61	6055788	70.215	ppbv #	24
32) 1,1,1-Trichloroethane	6.037	97	67661	0.464	ppbv #	26
34) 2-Butanone	4.828	43	397351	3.149	ppbv	100
36) Benzene	6.401	78	78292	0.396	ppbv	94
37) 1,2-Dichloroethane	5.841	62	7019	0.062	ppbv #	77
39) 1,2-Dichloropropane	6.684	63	601771	7.870	ppbv #	22
41) Tetrahydrofuran	5.240	42	3614346	46.249	ppbv #	44
43) Methyl Methacrylate	7.500	69	2385	0.032	ppbv #	1
45) t-1,3-Dichloropropene	9.221	75	6458	0.137	ppbv #	1
50) 4-Methyl-2-Pentanone	8.192	43	25994	0.128	ppbv #	61
51) 2-Hexanone	9.719	43	27458	0.191	ppbv #	47
53) Toluene	9.237	91	2422600	10.855	ppbv	99
58) Ethyl Benzene	12.092	91	160590	0.533	ppbv	93
59) m/p-Xylene	12.349	91	656298	2.518	ppbv	95
60) o-Xylene	13.060	91	309492	1.258	ppbv	100
61) Styrene	12.902	104	7237	0.061	ppbv #	1
62) Isopropylbenzene	14.031	105	62204	0.164	ppbv	98
64) n-propylbenzene	14.918	120	28950	0.292	ppbv #	20
65) tert-Butylbenzene	16.111	119	82686	0.245	ppbv #	63
66) Benzyl Chloride	16.539	91	5590	0.252	ppbv #	79
67) sec-Butylbenzene	16.635	105	30959	0.065	ppbv #	74
69) p-Isopropyltoluene	16.992	119	55064	0.139	ppbv #	79
70) n-Butylbenzene	17.895	91	21266	0.053	ppbv #	33
71) 2-Chlorotoluene	14.915	91	181666	0.644	ppbv #	44
72) 4-Ethyltoluene	15.195	105	191769	0.655	ppbv #	94

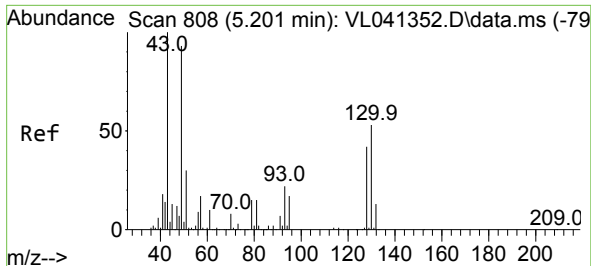
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
Data File : VL041386.D
Acq On : 22 Jul 2024 14:44
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.352	105	245050	0.977	ppbv	97
74) 1,2,4-Trimethylbenzene	16.105	105	696542	2.465	ppbv #	73
79) Naphthalene	21.394	128	6023	0.040	ppbv #	66
80) Naphthalene,2-methyl-	24.406	142	414	1.035	ppbv #	41

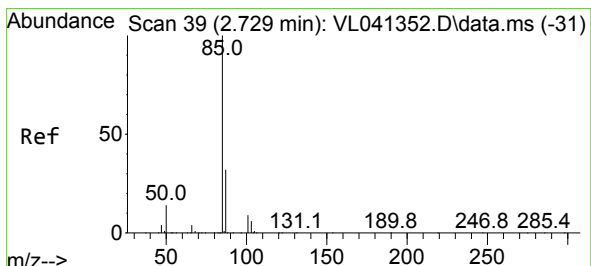
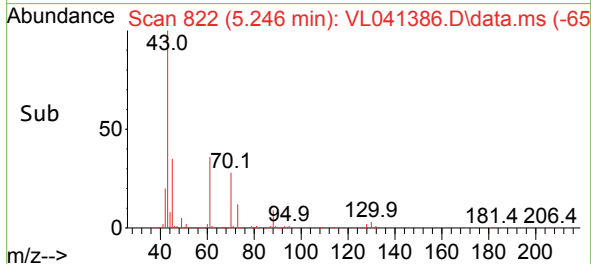
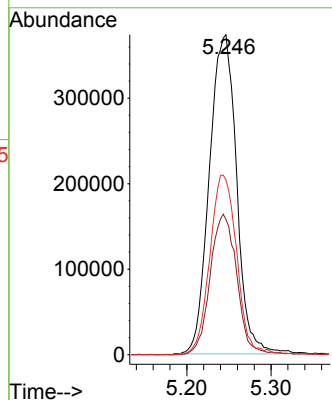
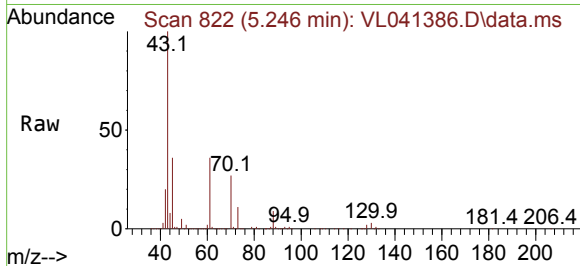
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.246 min Scan# 81
 Delta R.T. 0.035 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

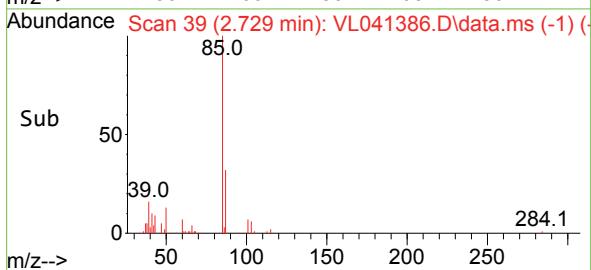
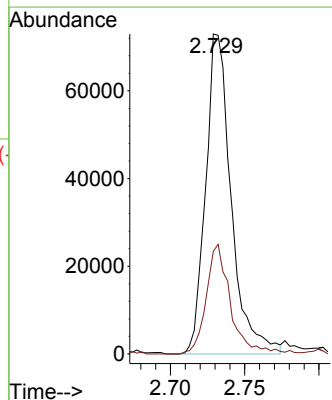
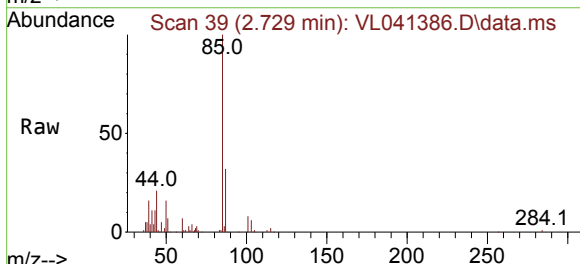
Instrument :
 MSVOA_L
 ClientSampleId :

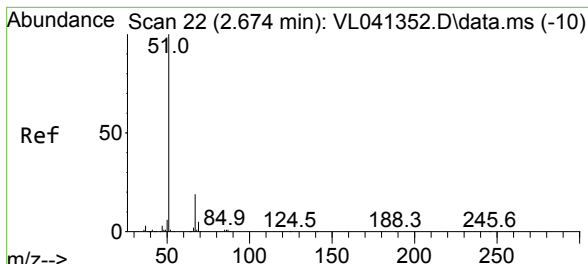
Tgt Ion: 49 Resp: 835420
 Ion Ratio Lower Upper
 49 100
 128 43.5 22.8 68.3
 130 56.2 28.9 86.7



#2
 Dichlorodifluoromethane
 Concen: 0.614 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. -0.045 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

Tgt Ion: 85 Resp: 87509
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9

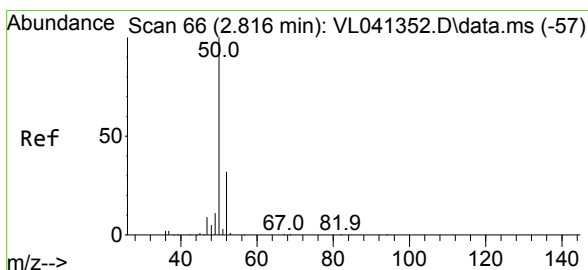
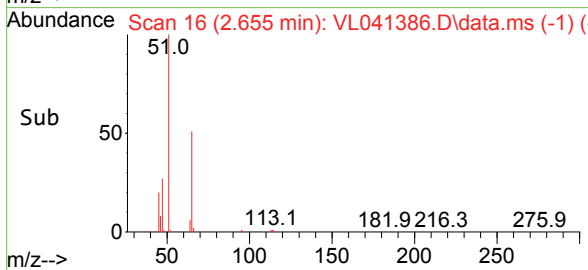
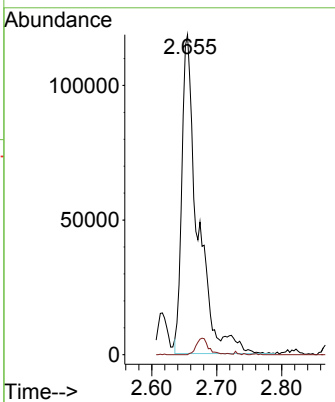
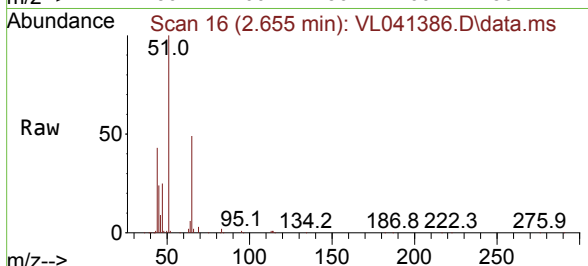




#3
 Chlorodifluoromethane
 Concen: 1.393 ppbv
 RT: 2.655 min Scan# 1
 Delta R.T. -0.064 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

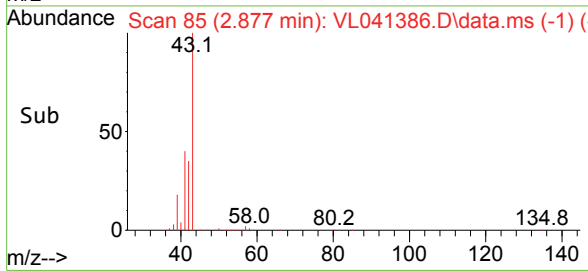
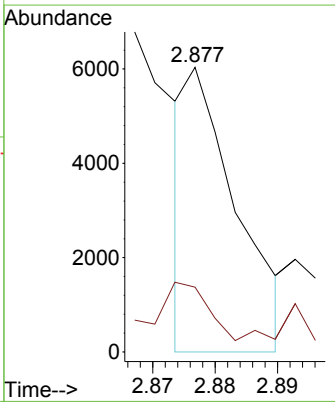
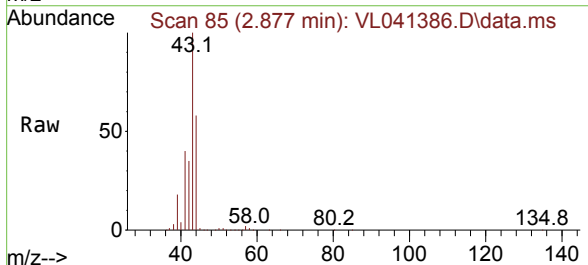
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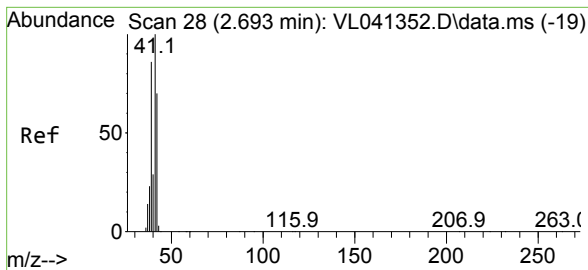
Tgt Ion: 51 Resp: 200645
 Ion Ratio Lower Upper
 51 100
 67 4.1 14.3 21.5#



#4
 Chloromethane
 Concen: 0.061 ppbv
 RT: 2.877 min Scan# 85
 Delta R.T. 0.023 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

Tgt Ion: 50 Resp: 3384
 Ion Ratio Lower Upper
 50 100
 52 30.6 25.6 38.4

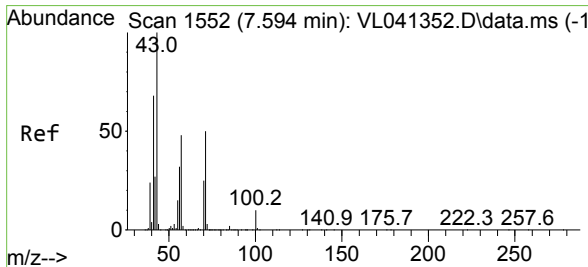
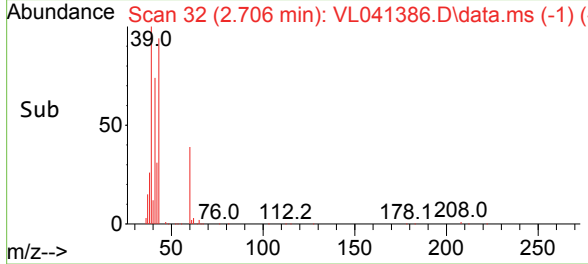
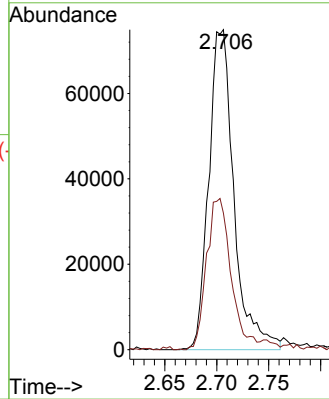
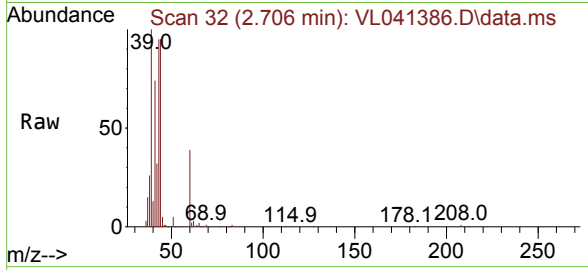




#9
 Propene
 Concen: 2.531 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. -0.029 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

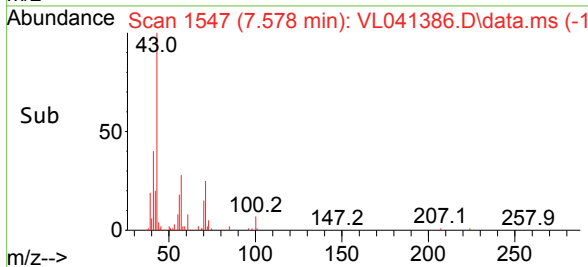
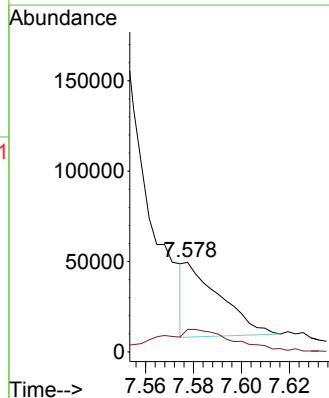
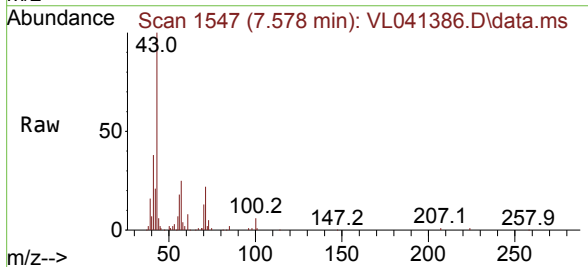
Instrument :
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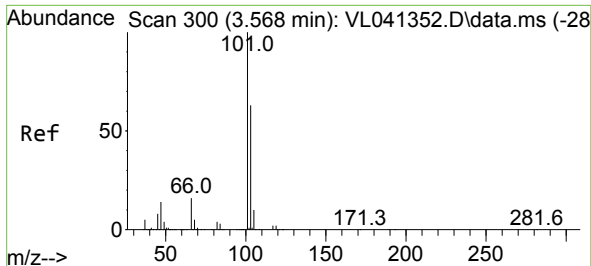
Tgt Ion: 41 Resp: 126159
 Ion Ratio Lower Upper
 41 100
 42 48.9 55.8 83.8#



#10
 Heptane
 Concen: 0.361 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.013 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

Tgt Ion: 43 Resp: 42234
 Ion Ratio Lower Upper
 43 100
 57 67.8 40.3 60.5#

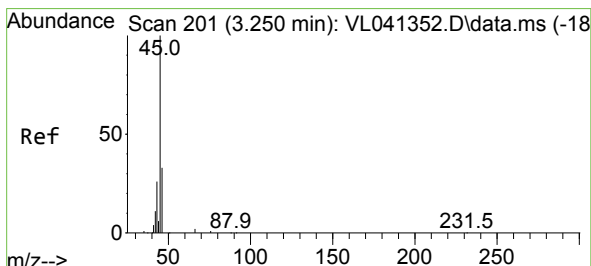
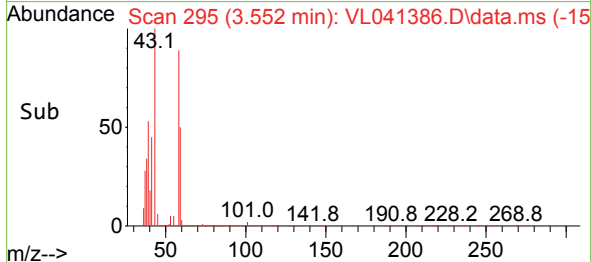
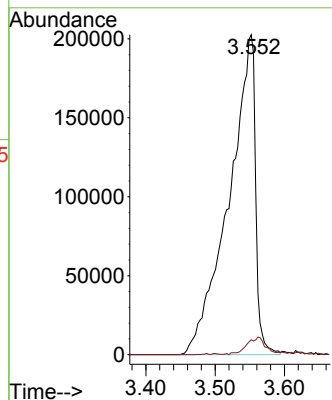
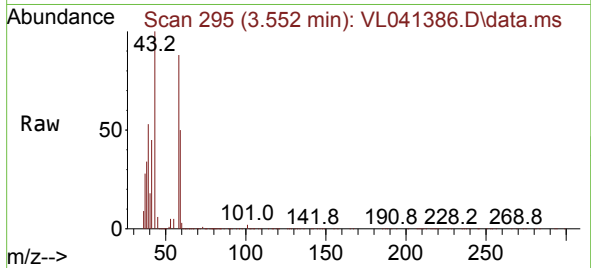




#11
Trichlorofluoromethane
Concen: 3.889 ppbv
RT: 3.552 min Scan# 218
Delta R.T. -0.042 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

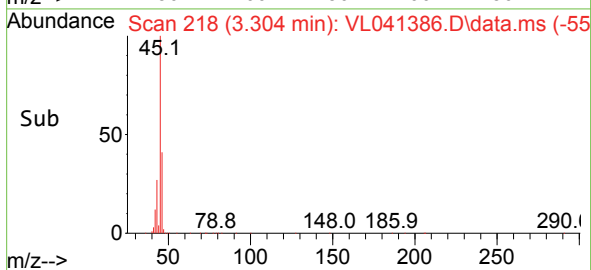
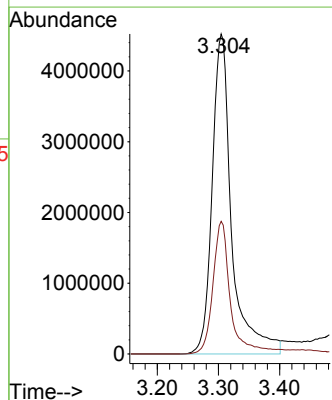
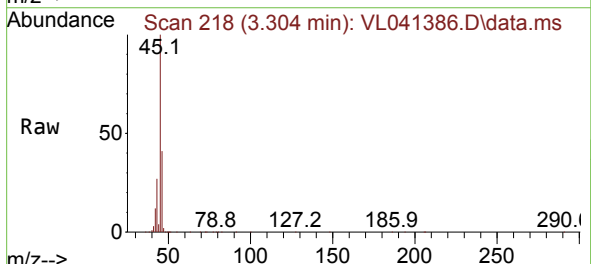
Instrument :
MSVOA_L
ClientSampleId :

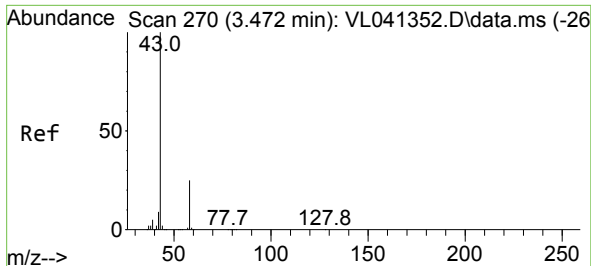
Tgt Ion:101 Resp: 539651
Ion Ratio Lower Upper
101 100
103 4.7 50.5 75.7#



#13
Ethanol
Concen: 905.045 ppbv
RT: 3.304 min Scan# 218
Delta R.T. 0.023 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 45 Resp:10008020
Ion Ratio Lower Upper
45 100
46 40.4 13.3 53.3

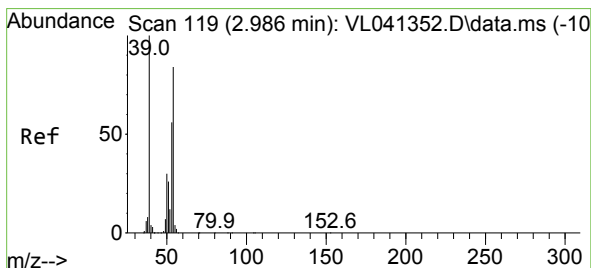
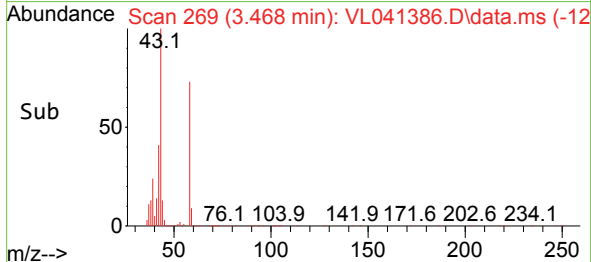
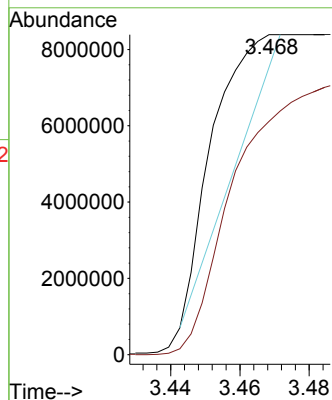
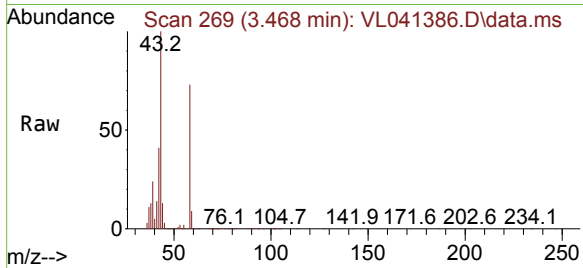




#15
Acetone
Concen: 34.125 ppbv
RT: 3.468 min Scan# 21
Delta R.T. -0.032 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

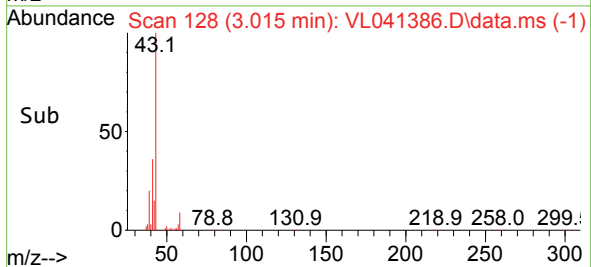
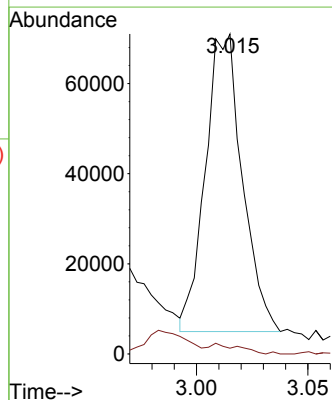
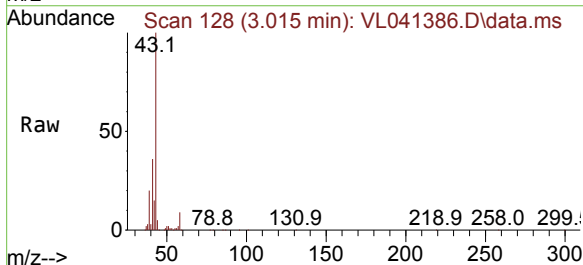
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MSVOA_L
ClientSampleId :

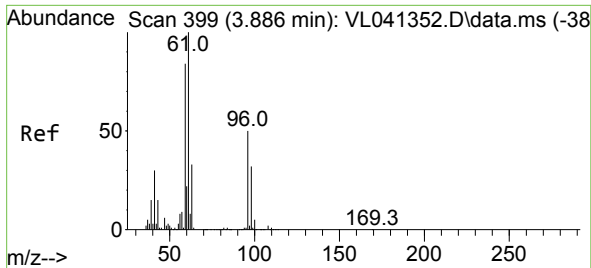
Tgt Ion: 43 Resp: 3765212
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#



#16
1,3-Butadiene
Concen: 1.449 ppbv
RT: 3.015 min Scan# 128
Delta R.T. -0.010 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

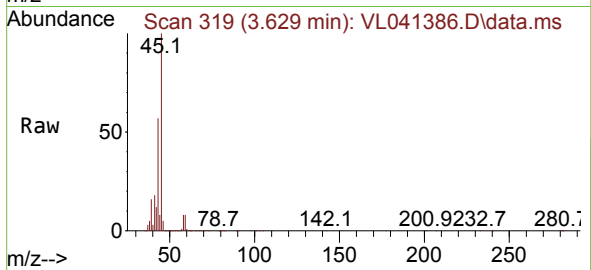
Tgt Ion: 39 Resp: 76095
Ion Ratio Lower Upper
39 100
54 12.5 60.5 90.7#



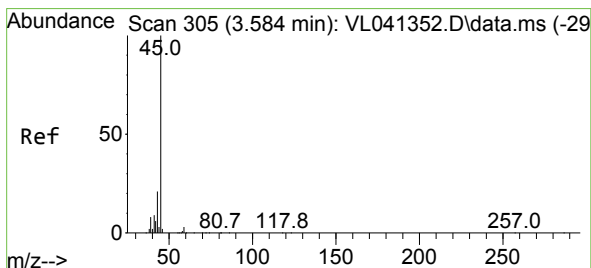
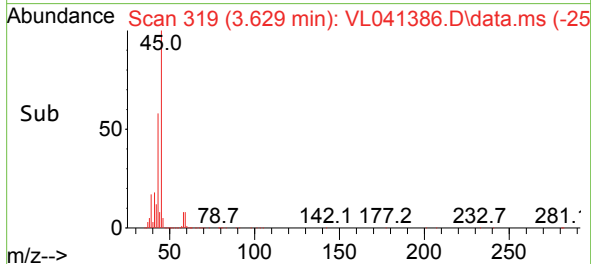
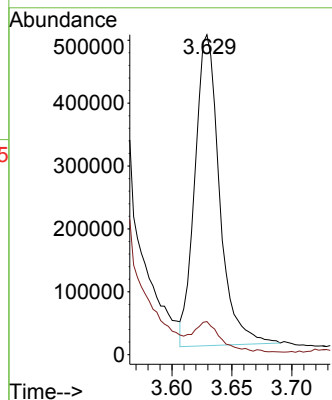


#17
tert-Butyl alcohol
Concen: 8.332 ppbv
RT: 3.629 min Scan# 319
Delta R.T. -0.280 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Instrument :
MSVOA_L
ClientSampleId :

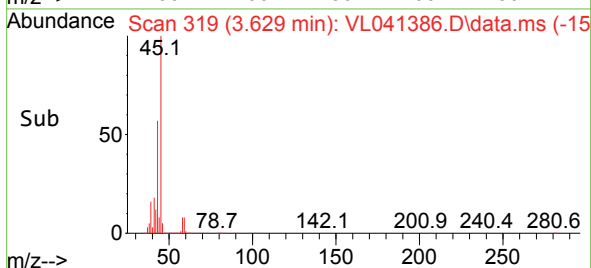
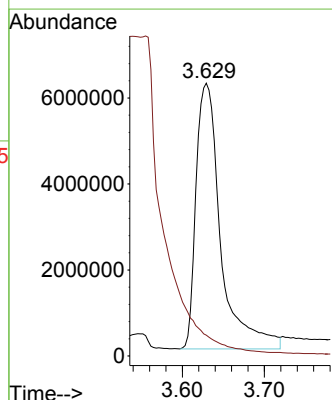
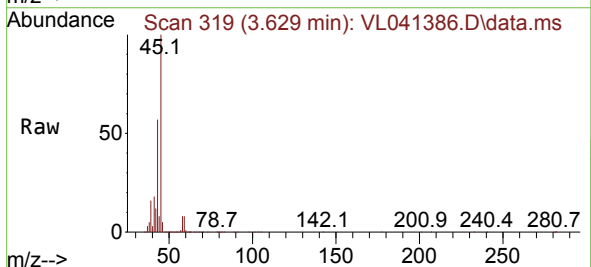


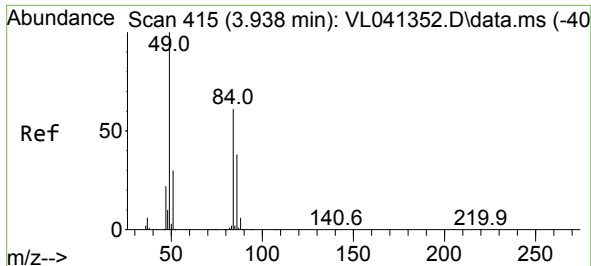
Tgt Ion: 59 Resp: 709214
Ion Ratio Lower Upper
59 100
57 14.7 8.4 12.6#



#19
Isopropyl Alcohol
Concen: 214.098 ppbv
RT: 3.629 min Scan# 319
Delta R.T. 0.019 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 45 Resp: 12967974
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20

Methylene Chloride

Concen: 15.403 ppbv

RT: 3.976 min Scan# 41

Delta R.T. 0.013 min

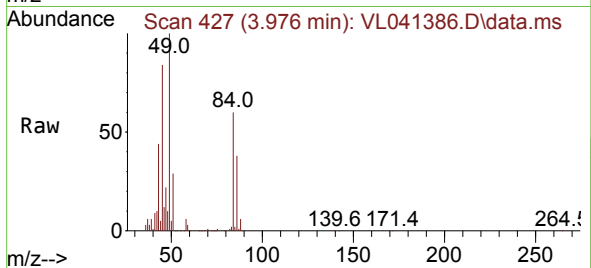
Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 616674

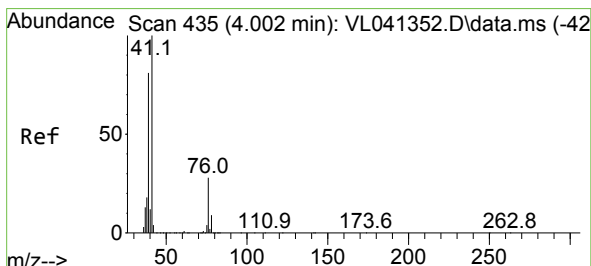
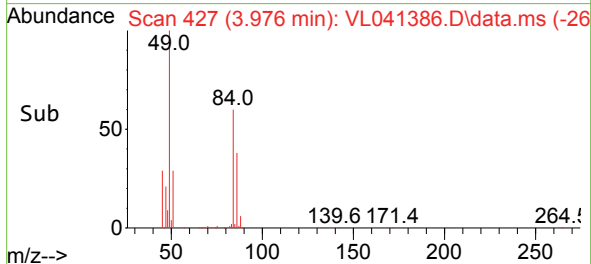
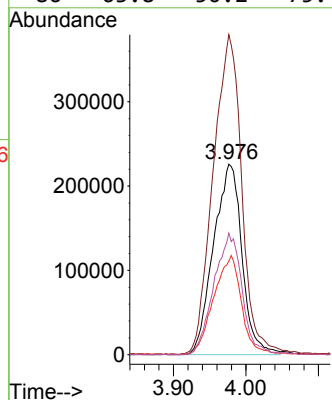
Ion Ratio Lower Upper

84 100

49 167.8 131.8 197.6

51 49.1 39.6 59.4

86 63.8 50.2 75.4



#21

Allyl Chloride

Concen: 0.665 ppbv

RT: 3.935 min Scan# 414

Delta R.T. -0.090 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

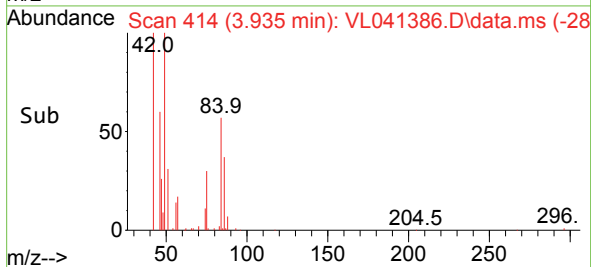
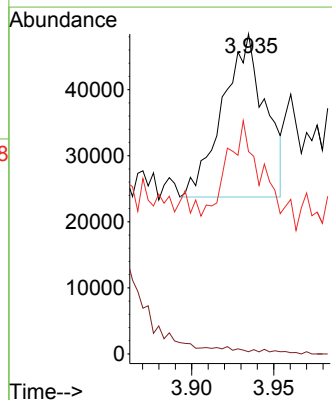
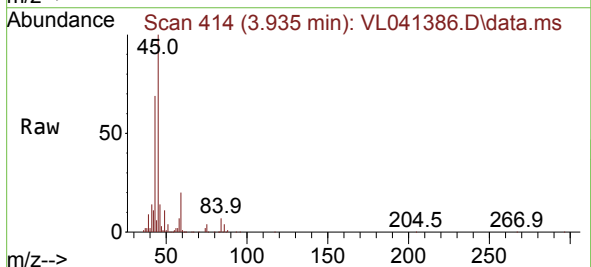
Tgt Ion: 41 Resp: 44265

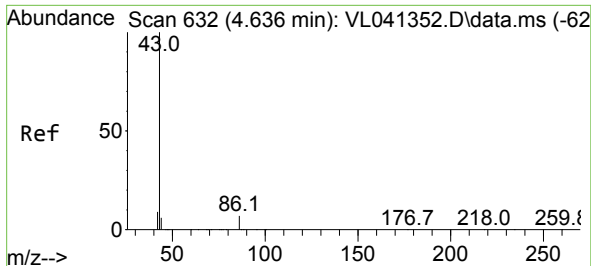
Ion Ratio Lower Upper

41 100

76 141.8 23.3 34.9#

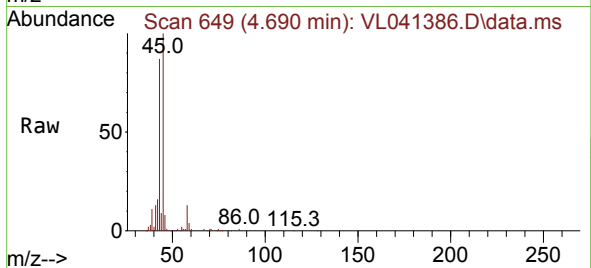
39 0.0 66.0 99.0#



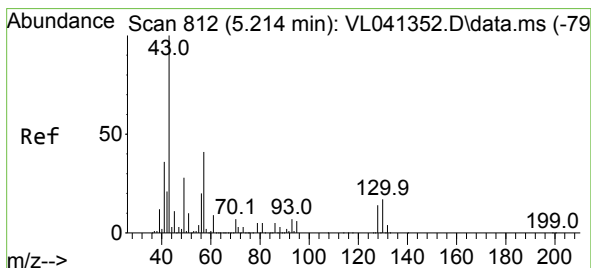
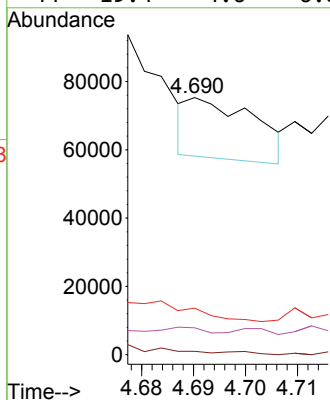
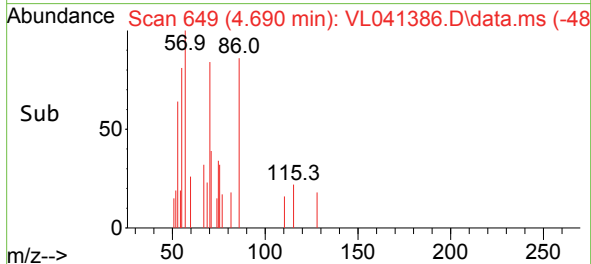


#23
 Vinyl Acetate
 Concen: 0.143 ppbv
 RT: 4.690 min Scan# 649
 Delta R.T. 0.039 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

Instrument :
 MSVOA_L
 ClientSampleId :

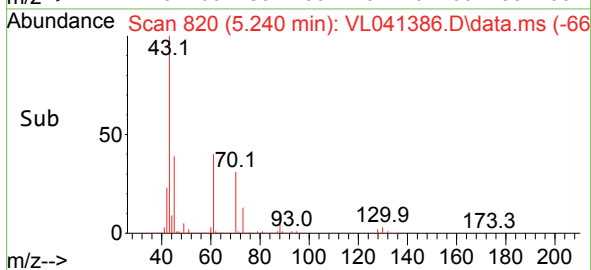
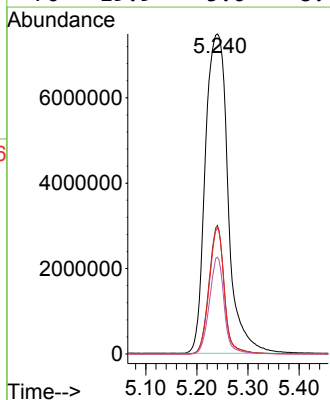
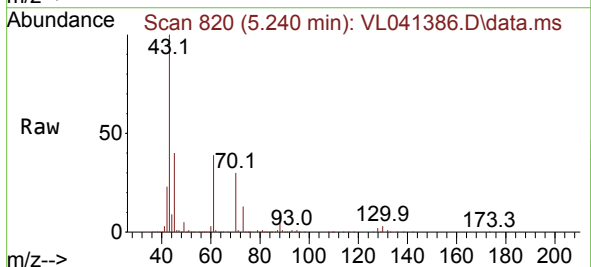


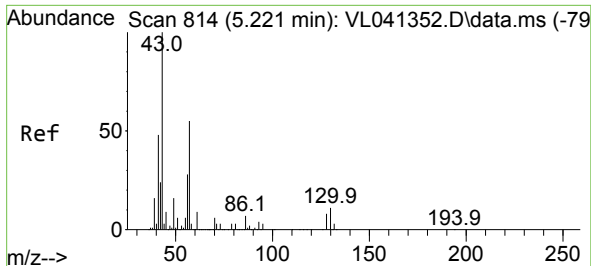
Tgt Ion:	43	Resp:	15595
Ion	Ratio	Lower	Upper
43	100		
86	9.8	5.0	7.4#
42	34.7	7.9	11.9#
44	19.4	4.6	6.8#



#25
 Ethyl Acetate
 Concen: 113.685 ppbv
 RT: 5.240 min Scan# 820
 Delta R.T. 0.013 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

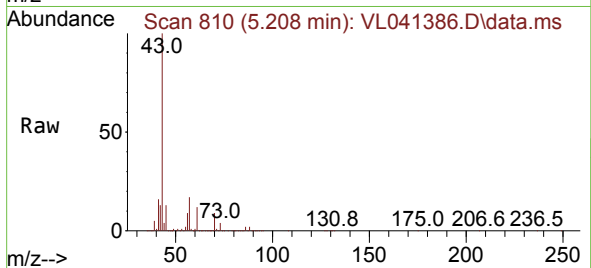
Tgt Ion:	43	Resp:	23097287
Ion	Ratio	Lower	Upper
43	100		
45	27.2	8.3	12.5#
61	26.3	7.7	11.5#
70	19.9	5.6	8.4#



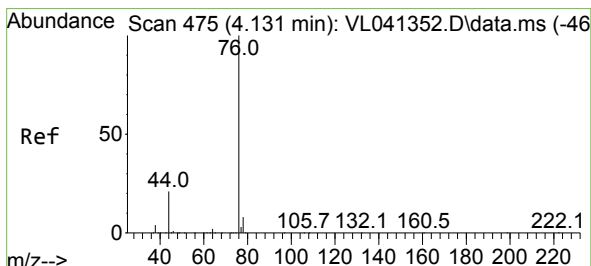
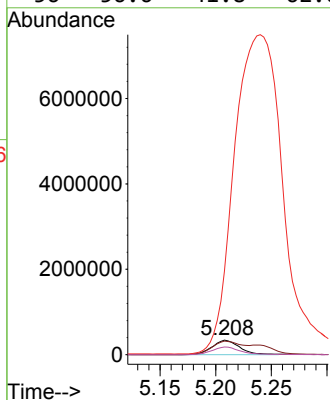
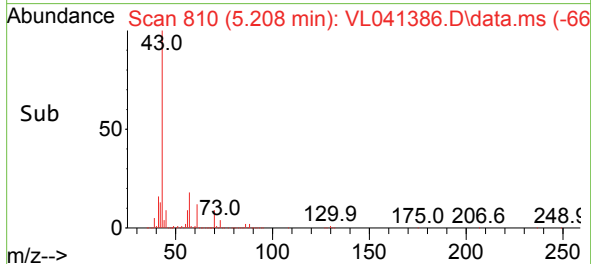


#26
Hexane
Concen: 6.444 ppbv
RT: 5.208 min Scan# 814
Delta R.T. -0.022 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Instrument :
MSVOA_L
ClientSampleId :

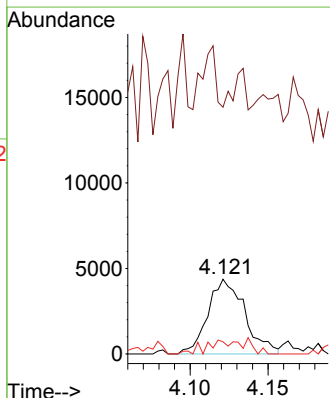
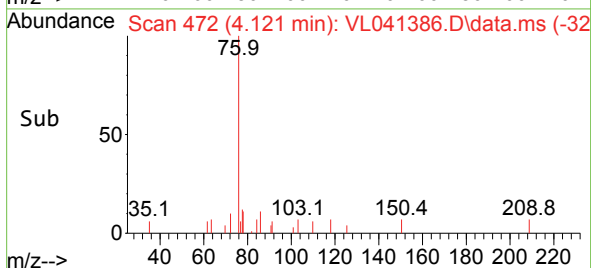
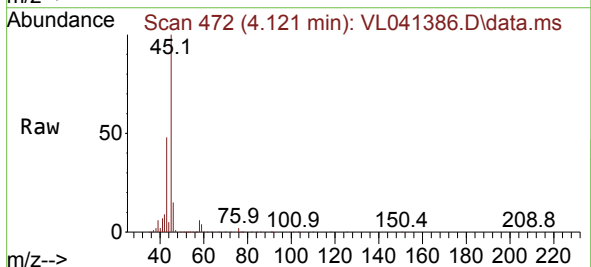


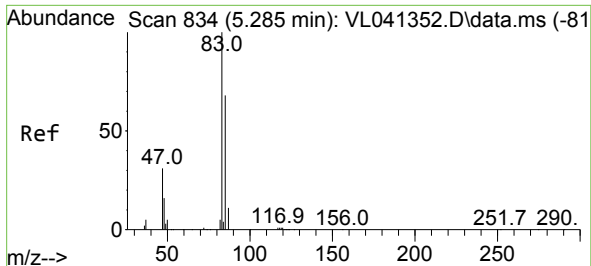
Tgt Ion: 57 Resp: 579716
Ion Ratio Lower Upper
57 100
41 161.9 73.7 110.5#
43 4005.8 182.2 273.2#
56 56.6 41.8 62.6



#27
Carbon Disulfide
Concen: 0.066 ppbv
RT: 4.121 min Scan# 472
Delta R.T. -0.029 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 76 Resp: 7200
Ion Ratio Lower Upper
76 100
44 143.6 17.4 26.2#
78 17.4 7.3 10.9#





#29

Chloroform

Concen: 0.119 ppbv

RT: 5.320 min Scan# 84

Delta R.T. 0.026 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

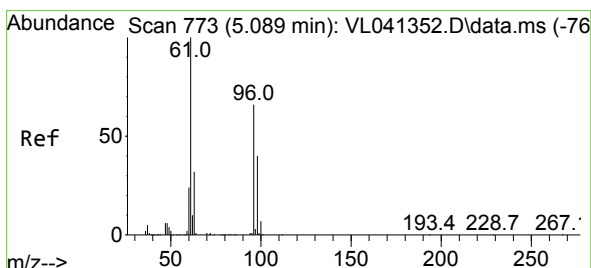
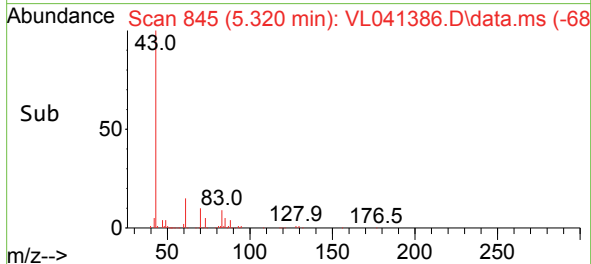
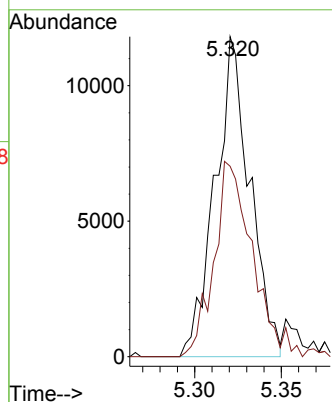
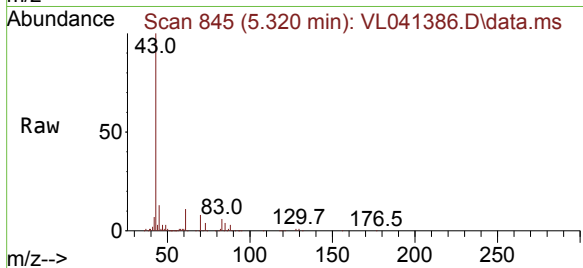
ClientSampleId :

Tgt Ion: 83 Resp: 16503

Ion Ratio Lower Upper

83 100

85 59.5 54.2 81.4



#31

cis-1,2-Dichloroethene

Concen: 70.215 ppbv

RT: 5.240 min Scan# 820

Delta R.T. 0.142 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

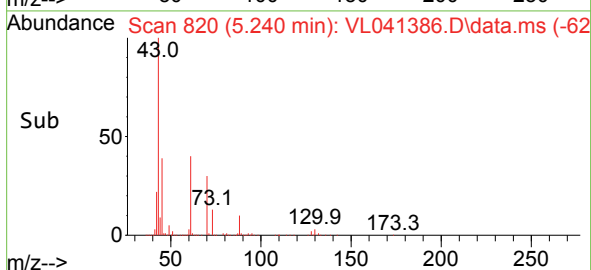
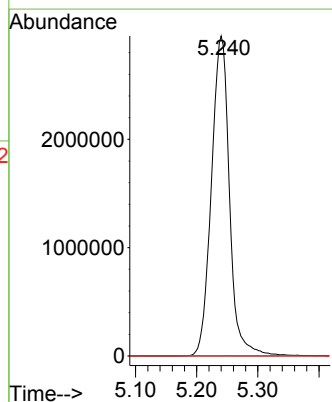
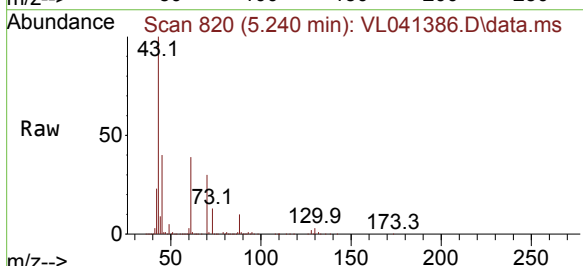
Tgt Ion: 61 Resp: 6055788

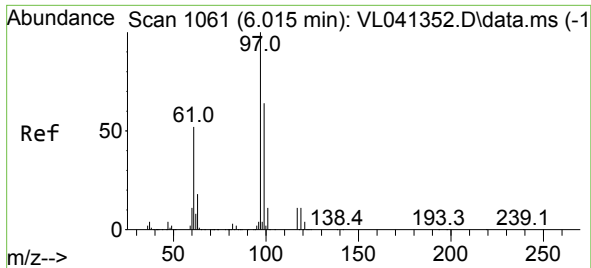
Ion Ratio Lower Upper

61 100

96 0.0 52.6 79.0#

98 0.0 32.3 48.5#

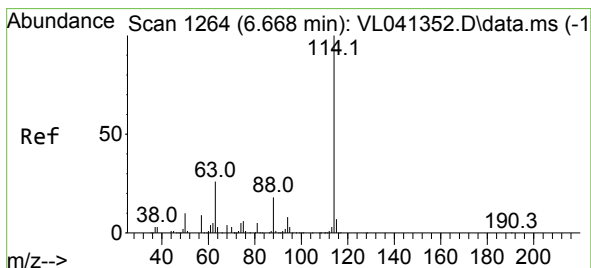
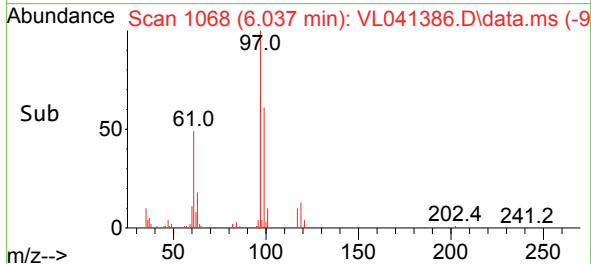
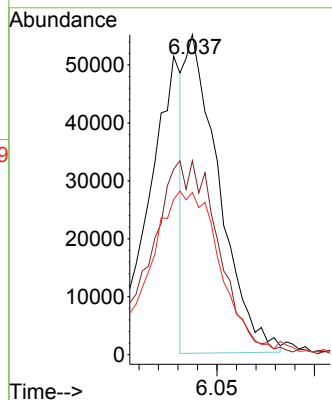
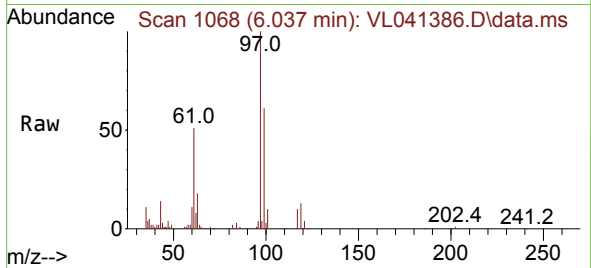




#32
 1,1,1-Trichloroethane
 Concen: 0.464 ppbv
 RT: 6.037 min Scan# 1061
 Delta R.T. 0.019 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

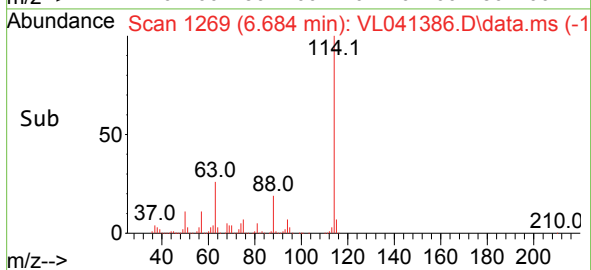
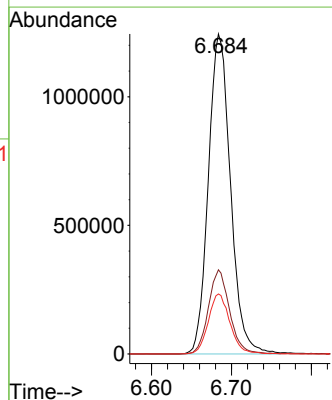
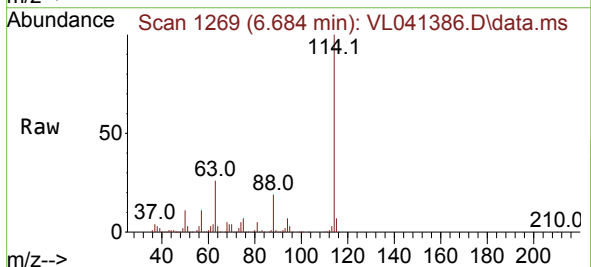
Instrument :
 MSVOA_L
 ClientSampleId :

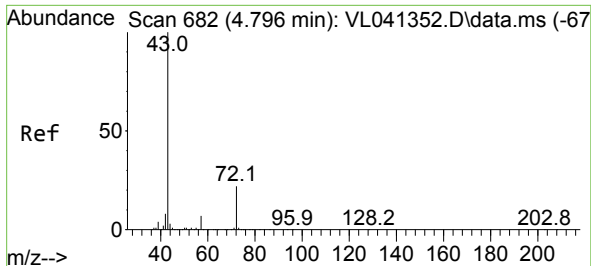
Tgt Ion: 97 Resp: 67661
 Ion Ratio Lower Upper
 97 100
 99 122.5 52.0 78.0#
 61 0.0 43.0 64.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.684 min Scan# 1269
 Delta R.T. 0.016 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

Tgt Ion: 114 Resp: 2390931
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.6 31.0
 88 18.5 14.6 21.8

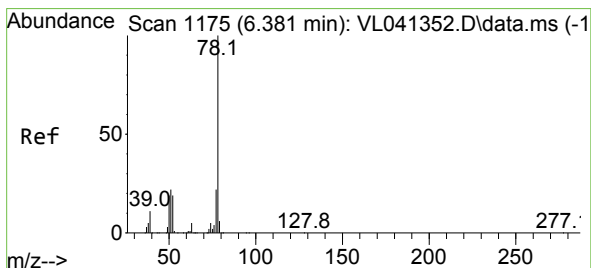
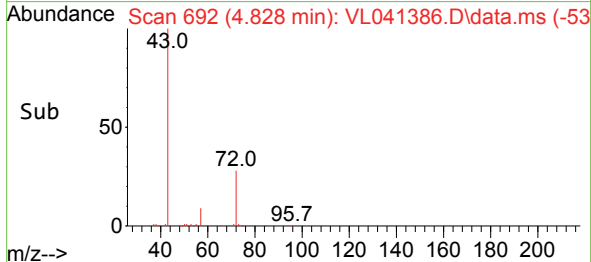
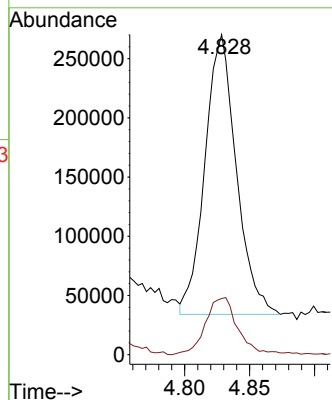
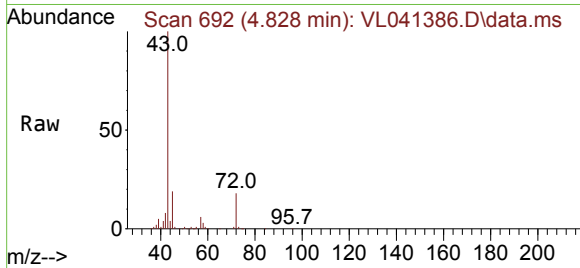




#34
2-Butanone
Concen: 3.149 ppbv
RT: 4.828 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

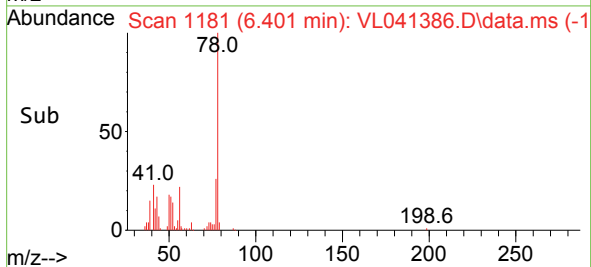
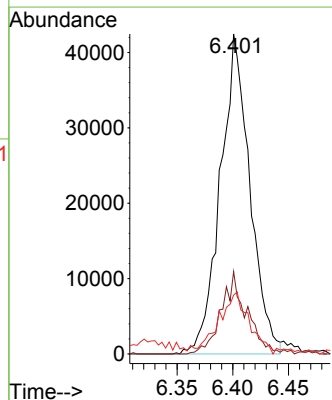
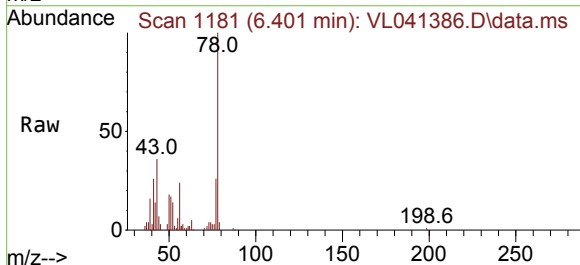
Instrument :
MSVOA_L
ClientSampleId :

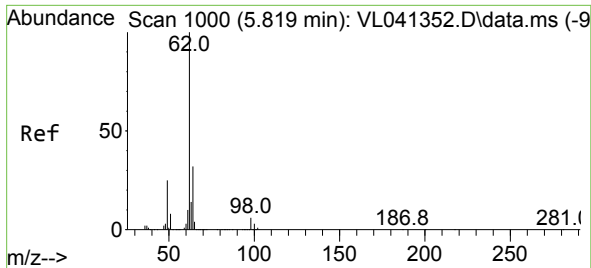
Tgt Ion: 43 Resp: 397351
Ion Ratio Lower Upper
43 100
72 21.4 17.2 25.8



#36
Benzene
Concen: 0.396 ppbv
RT: 6.401 min Scan# 1181
Delta R.T. 0.013 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 78 Resp: 78292
Ion Ratio Lower Upper
78 100
77 25.7 17.9 26.9
50 17.1 15.5 23.3

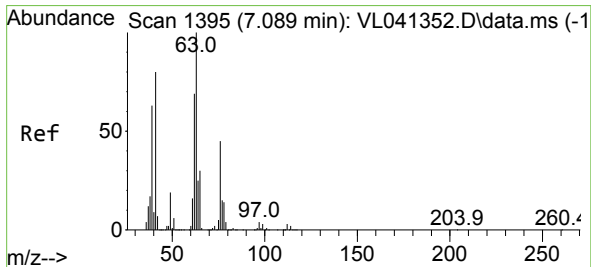
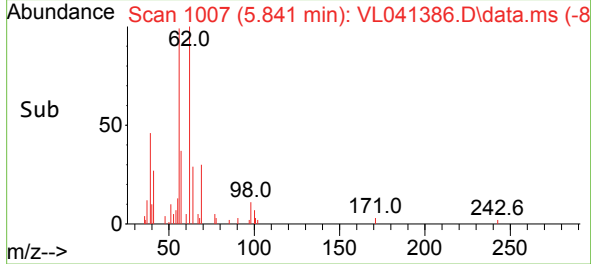
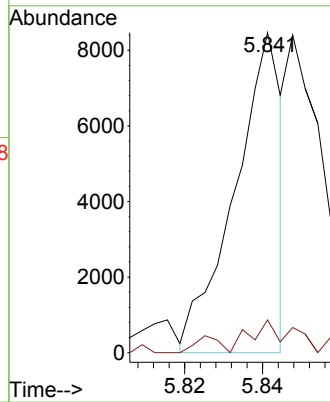
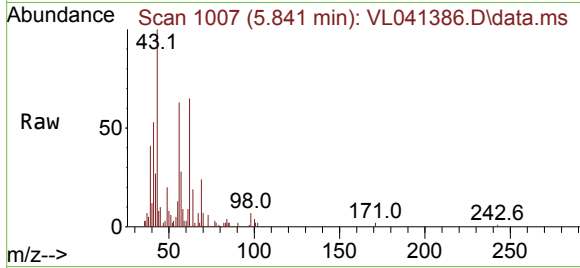




#37
1,2-Dichloroethane
Concen: 0.062 ppbv
RT: 5.841 min Scan# 10
Delta R.T. 0.016 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

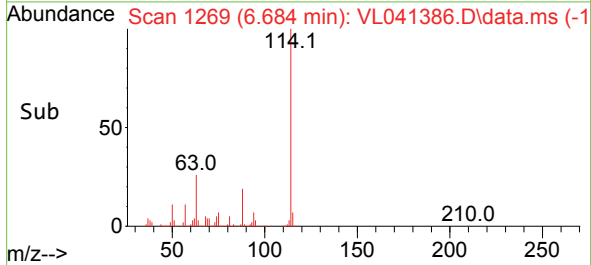
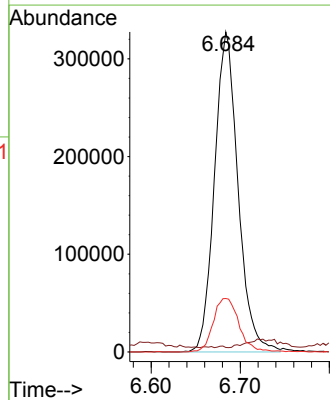
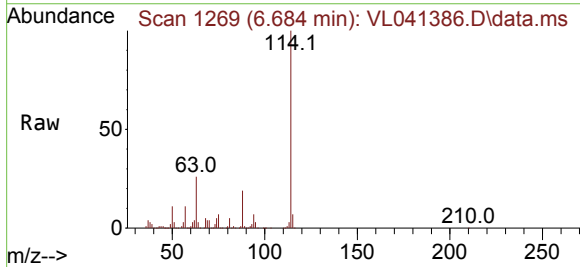
Instrument :
MSVOA_L
ClientSampleId :

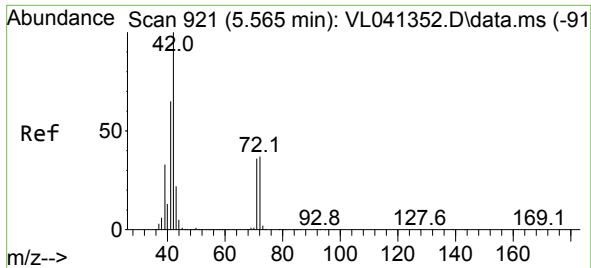
Tgt Ion: 62 Resp: 7019
Ion Ratio Lower Upper
62 100
98 13.8 4.8 7.2#



#39
1,2-Dichloropropane
Concen: 7.870 ppbv
RT: 6.684 min Scan# 1269
Delta R.T. -0.405 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 63 Resp: 601771
Ion Ratio Lower Upper
63 100
41 0.0 64.0 96.0#
62 16.7 55.2 82.8#

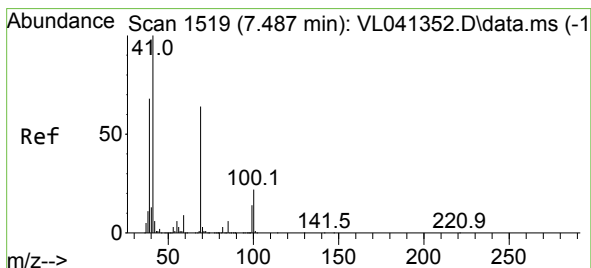
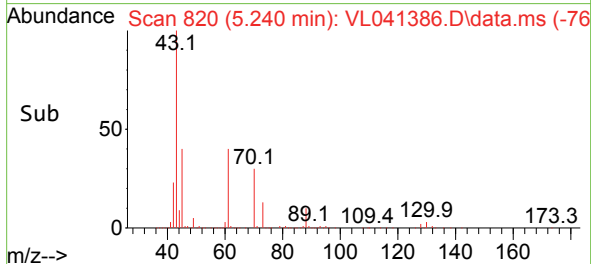
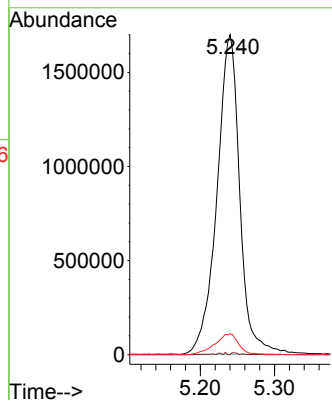
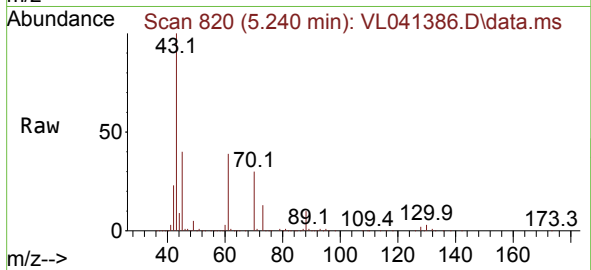




#41
Tetrahydrofuran
Concen: 46.249 ppbv
RT: 5.240 min Scan# 81
Delta R.T. -0.337 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

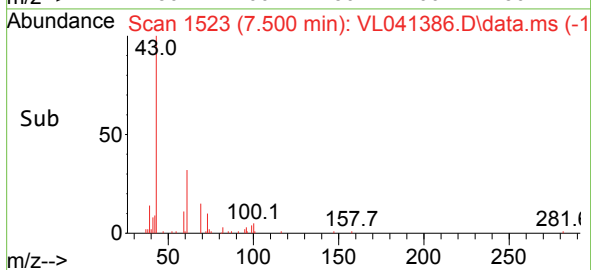
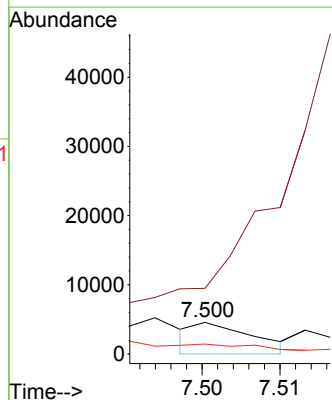
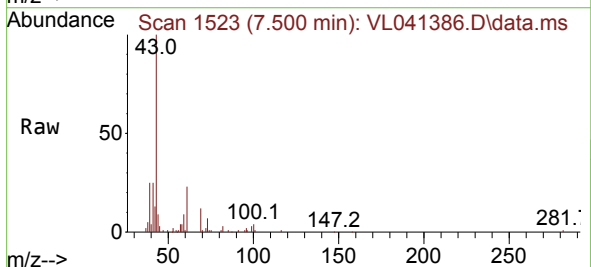
Instrument :
MSVOA_L
ClientSampleId :

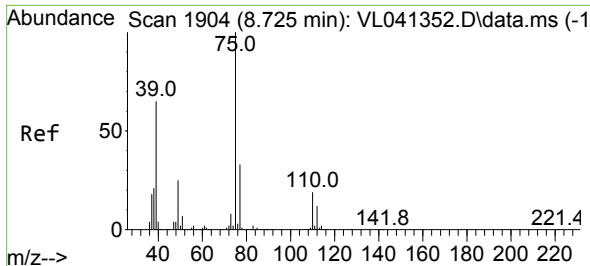
Tgt Ion: 42 Resp: 3614346
Ion Ratio Lower Upper
42 100
72 0.4 30.3 45.5#
71 7.0 29.7 44.5#



#43
Methyl Methacrylate
Concen: 0.032 ppbv
RT: 7.500 min Scan# 1523
Delta R.T. 0.013 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 69 Resp: 2385
Ion Ratio Lower Upper
69 100
41 0.0 125.0 187.6#
100 0.0 26.8 40.2#

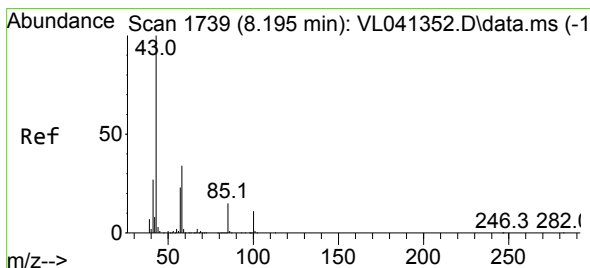
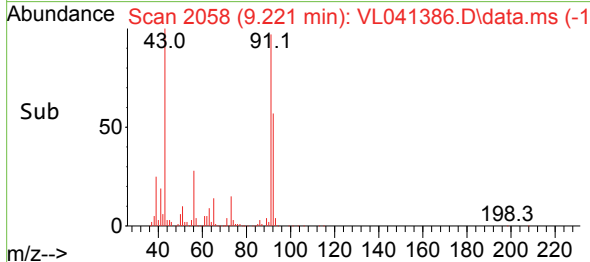
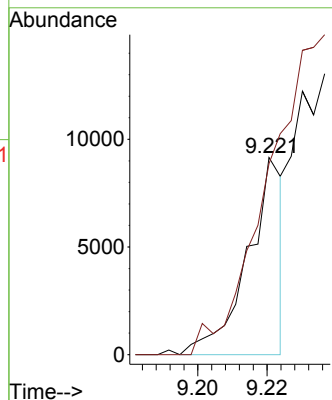
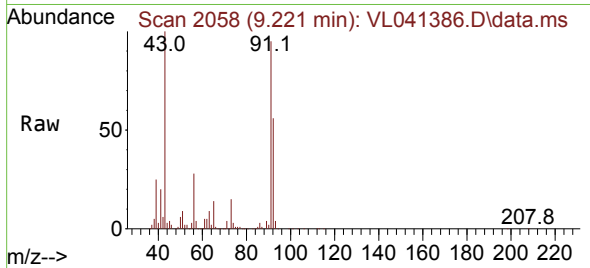




#45
 t-1,3-Dichloropropene
 Concen: 0.137 ppbv
 RT: 9.221 min Scan# 2058
 Delta R.T. 0.505 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

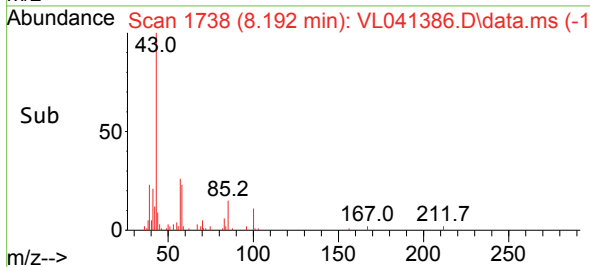
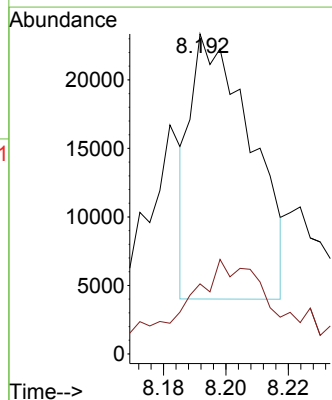
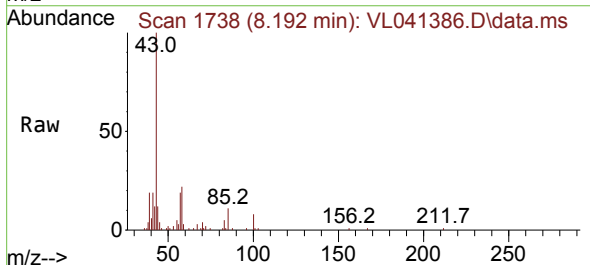
Instrument :
 MSVOA_L
 ClientSampleId :

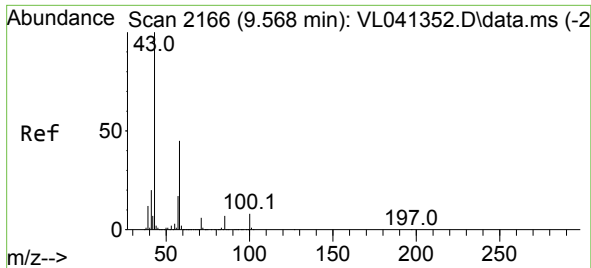
Tgt Ion: 75 Resp: 6458
 Ion Ratio Lower Upper
 75 100
 77 97.0 26.2 39.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.128 ppbv
 RT: 8.192 min Scan# 1738
 Delta R.T. 0.003 min
 Lab File: VL041386.D
 Acq: 22 Jul 2024 14:44

Tgt Ion: 43 Resp: 25994
 Ion Ratio Lower Upper
 43 100
 58 57.2 27.8 41.8#

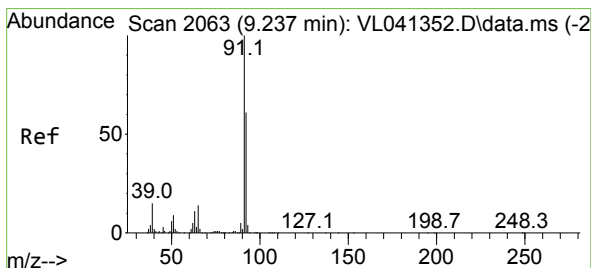
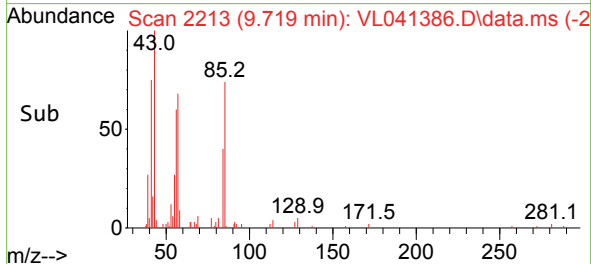
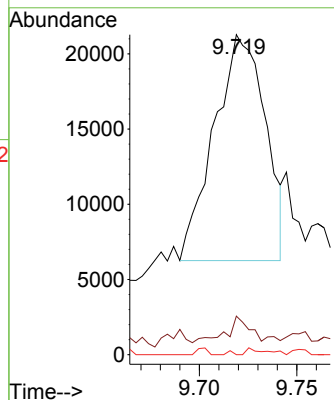
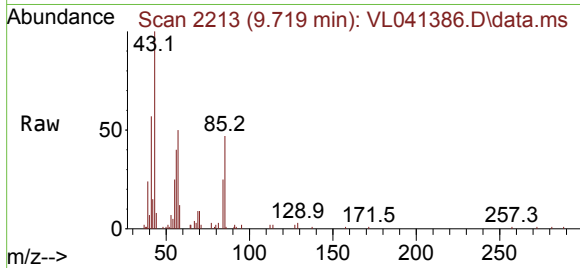




#51
2-Hexanone
Concen: 0.191 ppbv
RT: 9.719 min Scan# 2166
Delta R.T. 0.161 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

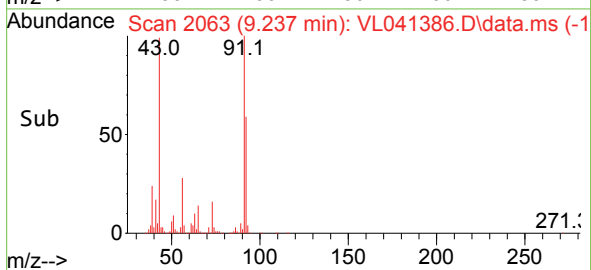
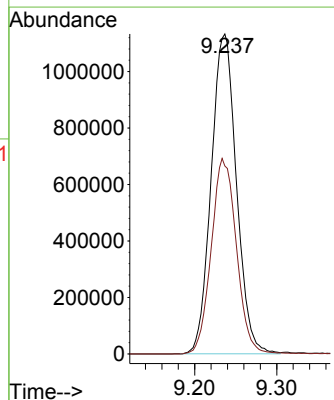
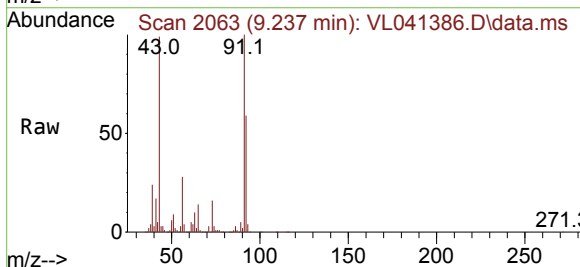
Instrument :
MSVOA_L
ClientSampleId :

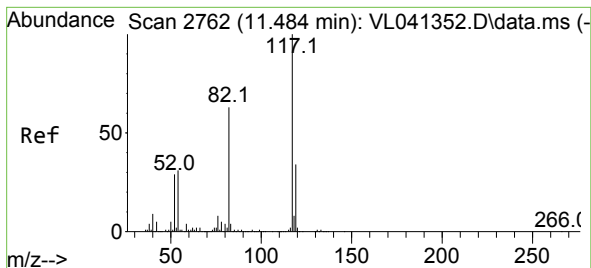
Tgt Ion: 43 Resp: 27458
Ion Ratio Lower Upper
43 100
58 11.9 38.0 57.0#
98 0.0 0.2 0.2#



#53
Toluene
Concen: 10.855 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 91 Resp: 2422600
Ion Ratio Lower Upper
91 100
92 61.1 48.5 72.7

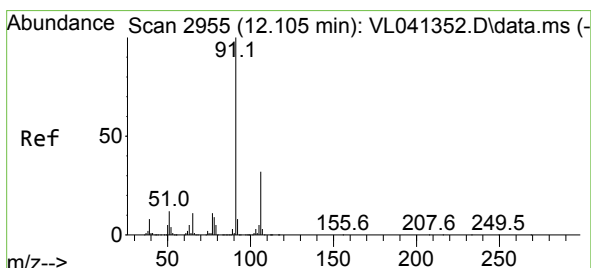
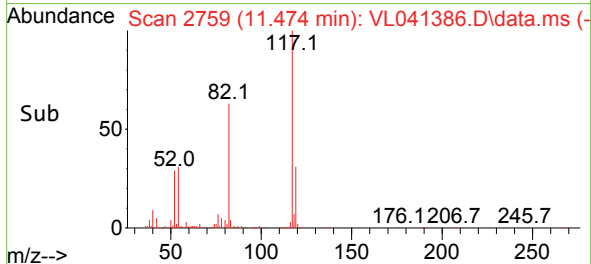
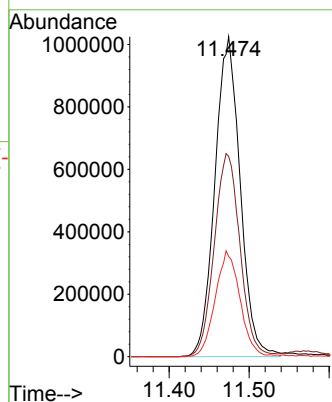
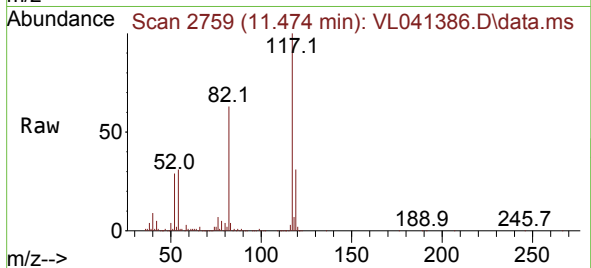




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 211
Delta R.T. 0.007 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

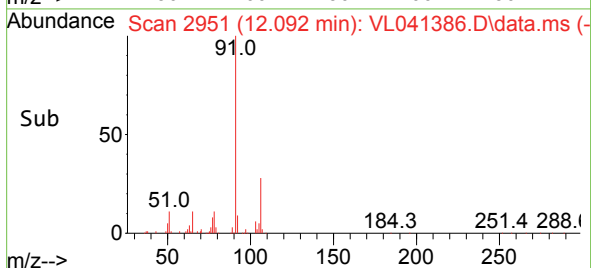
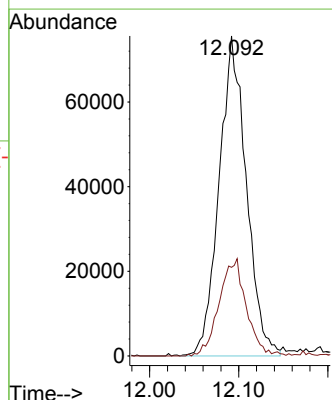
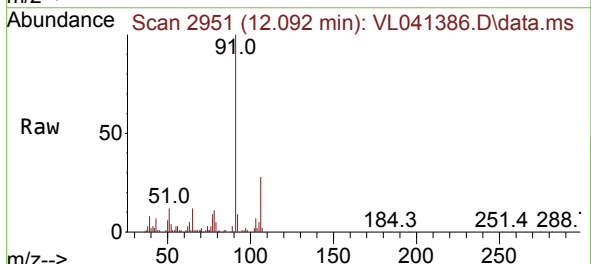
Instrument :
MSVOA_L
ClientSampleId :

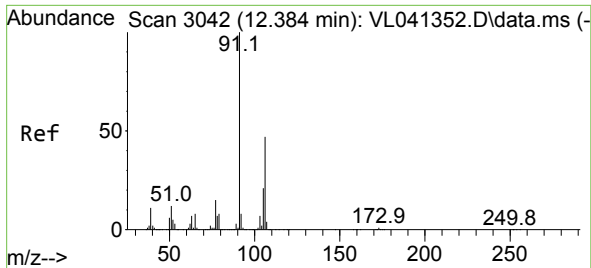
Tgt Ion:117 Resp: 2250718
Ion Ratio Lower Upper
117 100
82 65.0 50.6 75.8
119 32.9 24.7 37.1



#58
Ethyl Benzene
Concen: 0.533 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 91 Resp: 160590
Ion Ratio Lower Upper
91 100
106 27.8 25.4 38.0

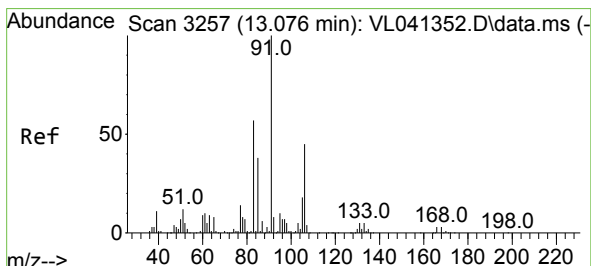
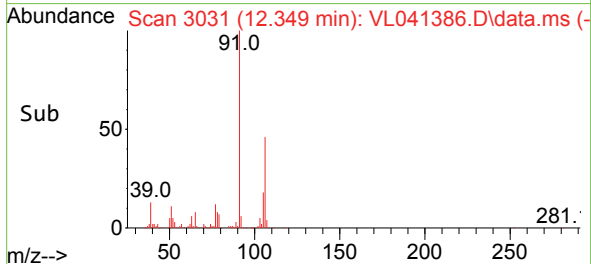
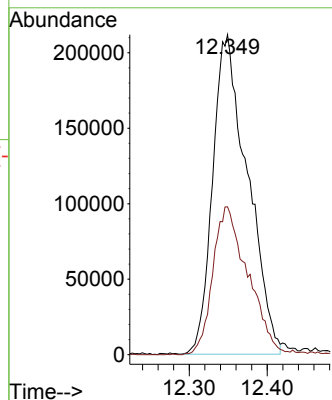
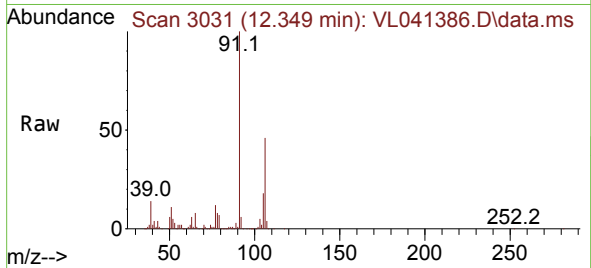




#59
m/p-Xylene
Concen: 2.518 ppbv
RT: 12.349 min Scan# 3042
Delta R.T. -0.022 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

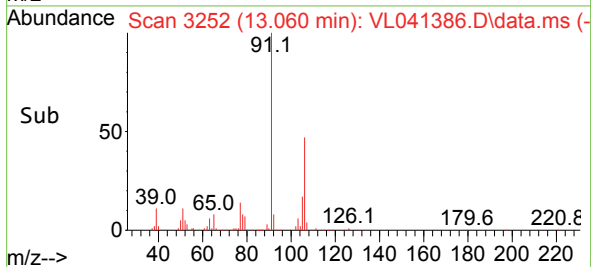
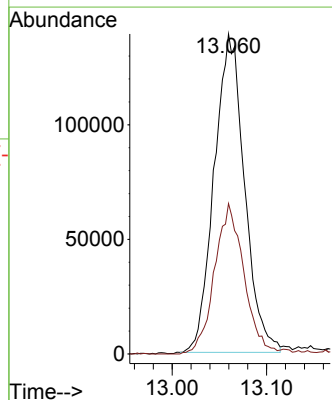
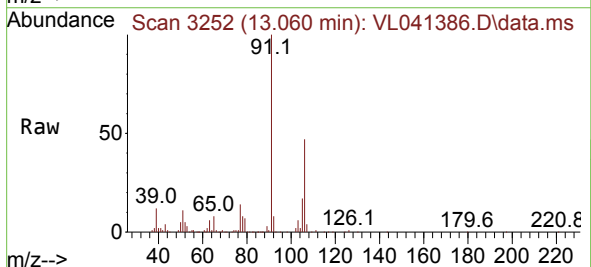
Instrument :
MSVOA_L
ClientSampleId :

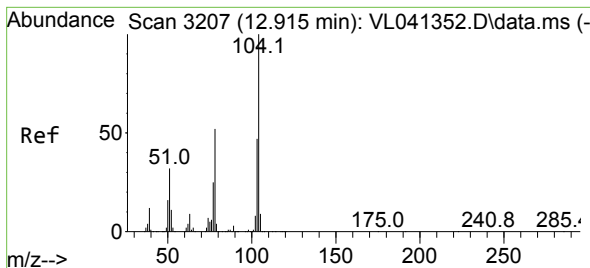
Tgt Ion: 91 Resp: 656298
Ion Ratio Lower Upper
91 100
106 47.8 35.6 53.4



#60
o-Xylene
Concen: 1.258 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 91 Resp: 309492
Ion Ratio Lower Upper
91 100
106 46.3 23.3 69.8





#61

Styrene

Concen: 0.061 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

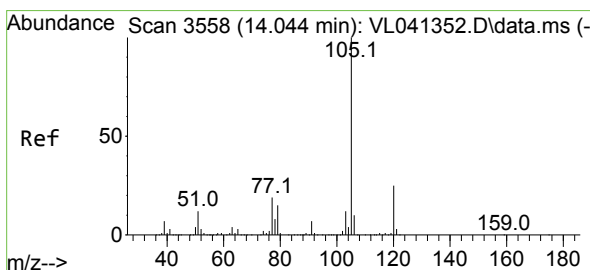
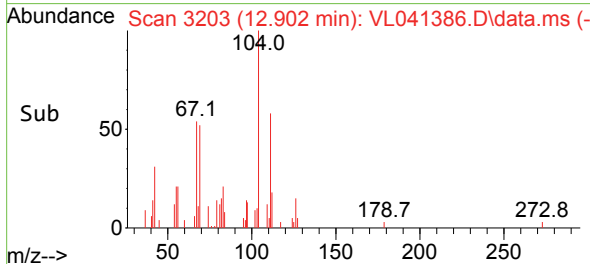
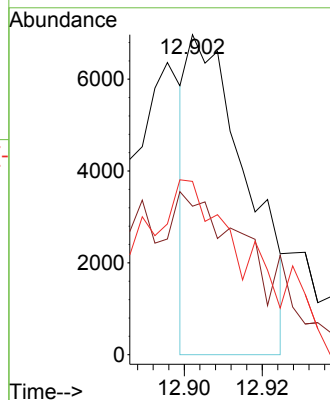
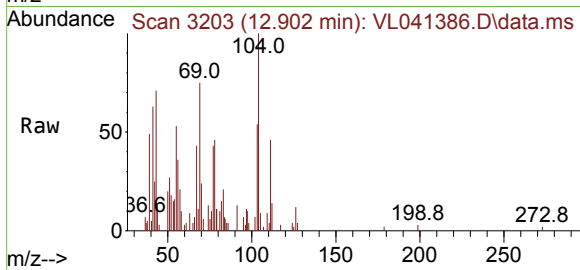
Tgt Ion:104 Resp: 7237

Ion Ratio Lower Upper

104 100

78 135.1 40.6 61.0#

103 120.5 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.164 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.000 min

Lab File: VL041386.D

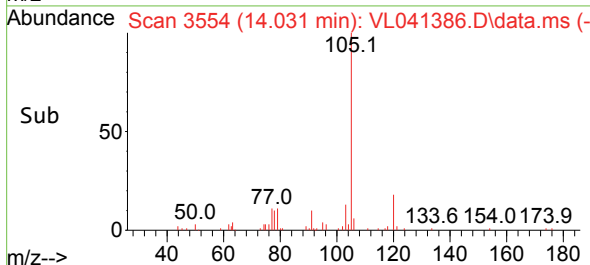
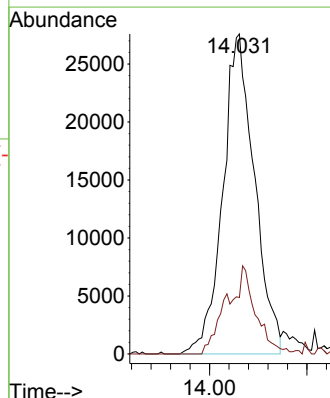
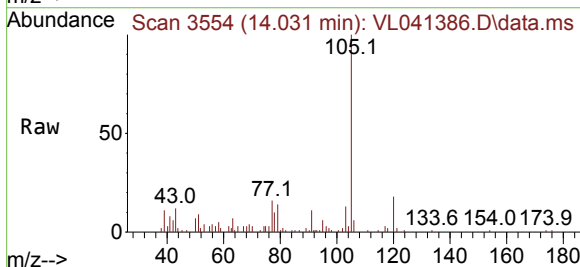
Acq: 22 Jul 2024 14:44

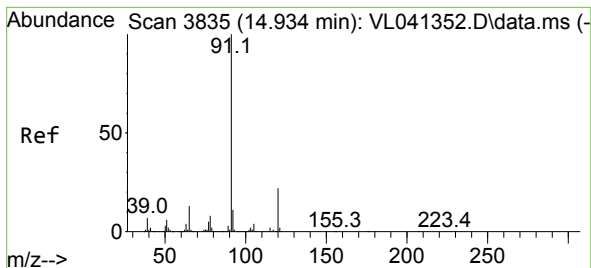
Tgt Ion:105 Resp: 62204

Ion Ratio Lower Upper

105 100

120 25.3 20.9 31.3





#64

n-propylbenzene

Concen: 0.292 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.003 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

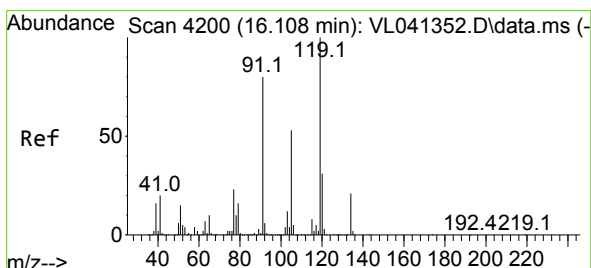
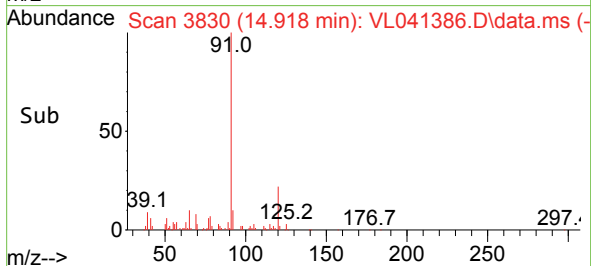
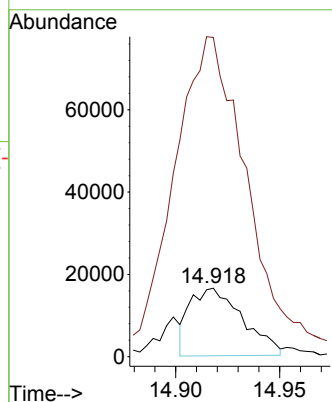
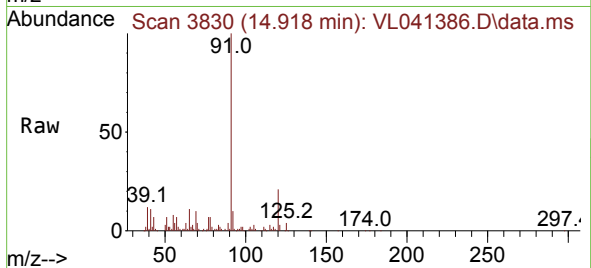
ClientSampleId :

Tgt Ion:120 Resp: 28950

Ion Ratio Lower Upper

120 100

91 686.3 378.4 567.6#



#65

tert-Butylbenzene

Concen: 0.245 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.023 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

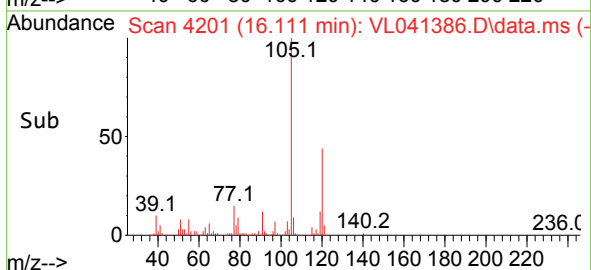
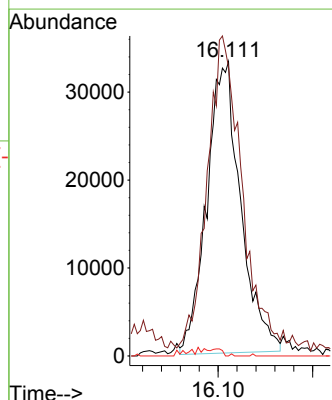
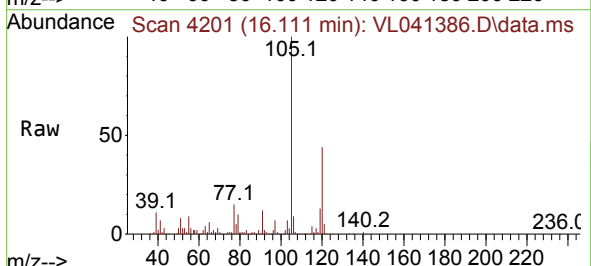
Tgt Ion:119 Resp: 82686

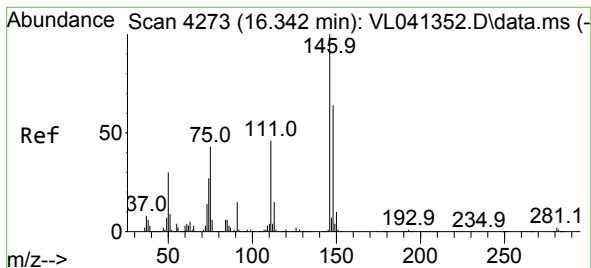
Ion Ratio Lower Upper

119 100

91 115.5 65.8 98.6#

134 2.3 15.7 23.5#





#66

Benzyl Chloride

Concen: 0.252 ppbv

RT: 16.539 min Scan# 41

Delta R.T. 0.216 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

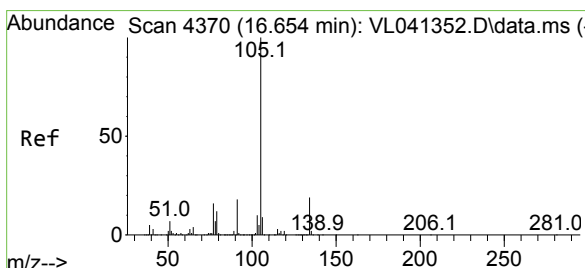
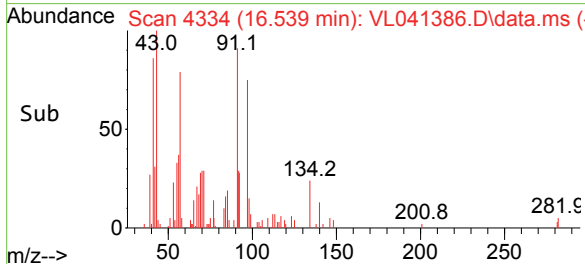
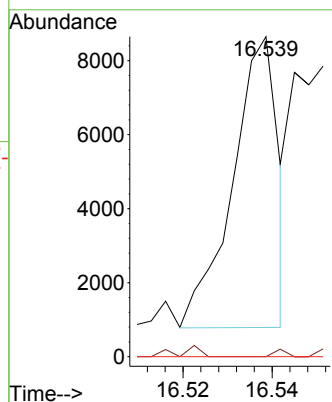
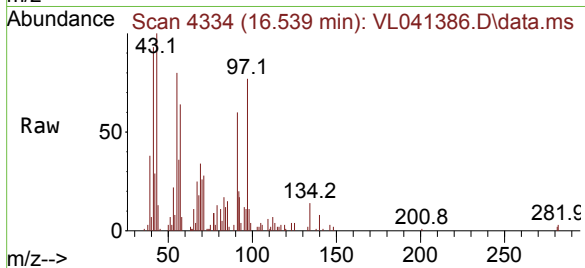
Tgt Ion: 91 Resp: 5590

Ion Ratio Lower Upper

91 100

126 9.1 15.4 23.0#

128 0.7 5.0 7.4#



#67

sec-Butylbenzene

Concen: 0.065 ppbv

RT: 16.635 min Scan# 4364

Delta R.T. 0.000 min

Lab File: VL041386.D

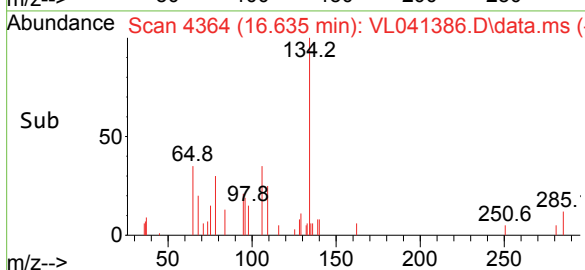
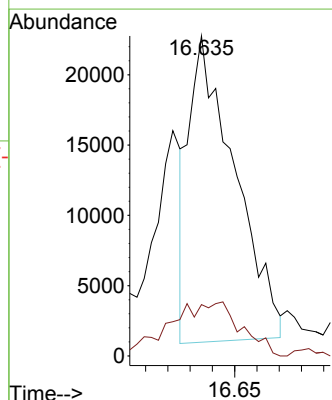
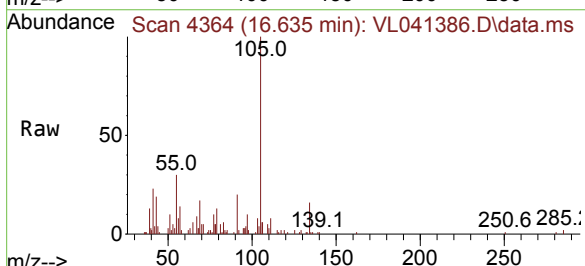
Acq: 22 Jul 2024 14:44

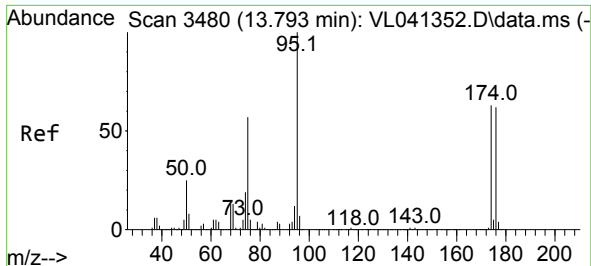
Tgt Ion:105 Resp: 30959

Ion Ratio Lower Upper

105 100

134 29.2 14.2 21.2#

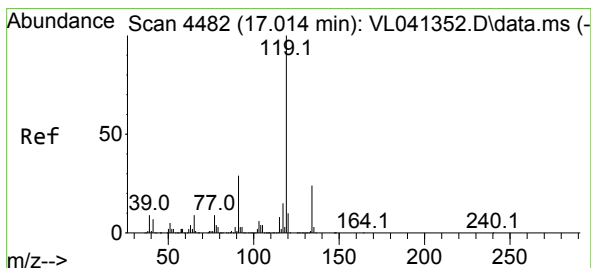
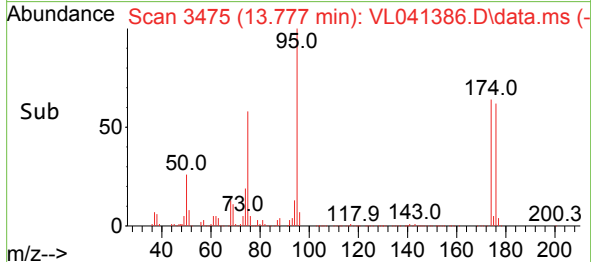
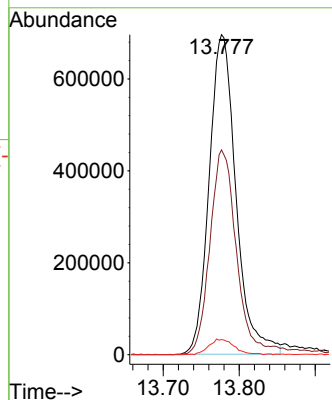
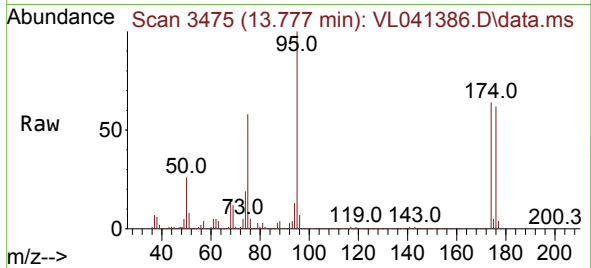




#68
1-Bromo-4-Fluorobenzene
Concen: 10.124 ppbv
RT: 13.777 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

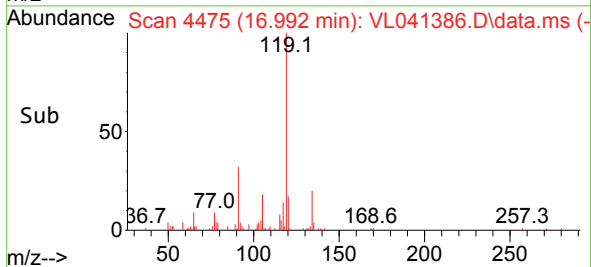
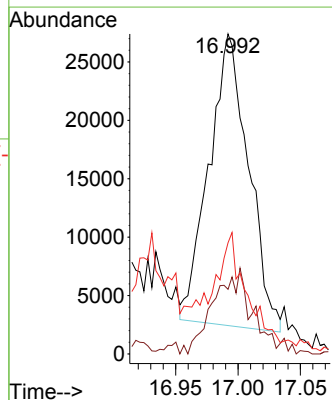
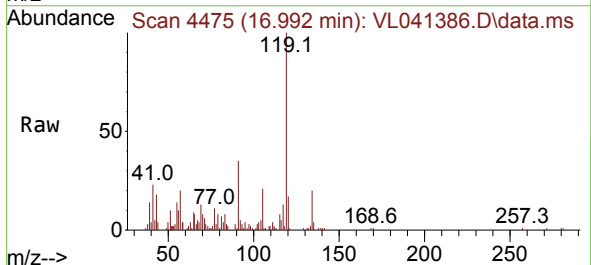
Instrument :
MSVOA_L
ClientSampleId :

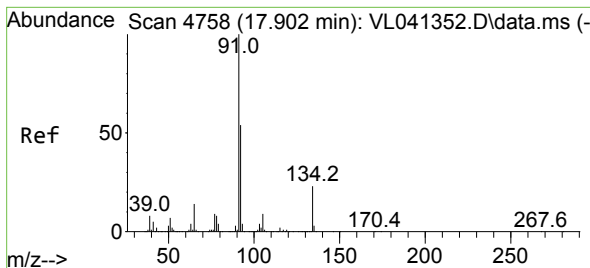
Tgt Ion: 95 Resp: 1707863
Ion Ratio Lower Upper
95 100
174 66.0 53.1 79.7
175 4.6 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.139 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VL041386.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 119 Resp: 55064
Ion Ratio Lower Upper
119 100
134 29.6 20.0 30.0
91 46.7 23.7 35.5#





#70

n-Butylbenzene

Concen: 0.053 ppbv

RT: 17.895 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041386.D

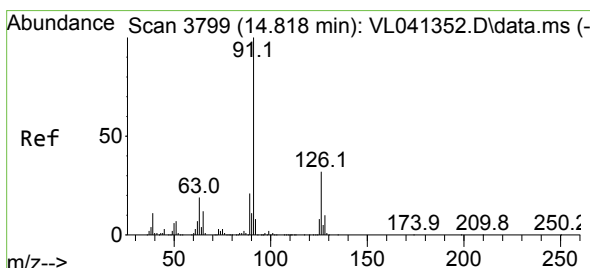
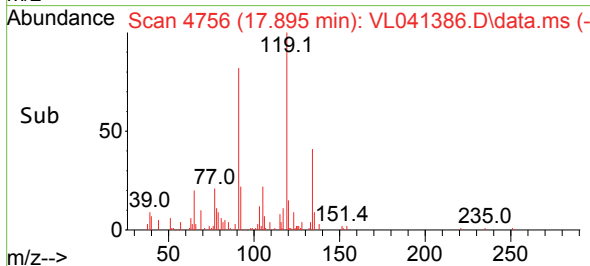
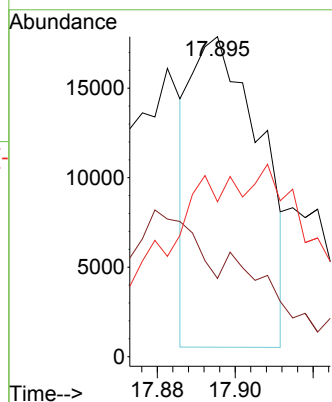
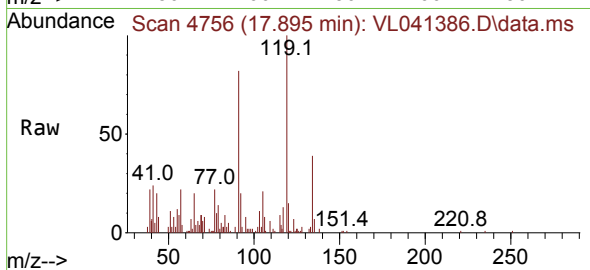
Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 91	Resp: 21266
Ion Ratio	Lower Upper
91	100
92	0.0 43.0 64.6#
134	0.0 18.0 27.0#



#71

2-Chlorotoluene

Concen: 0.644 ppbv

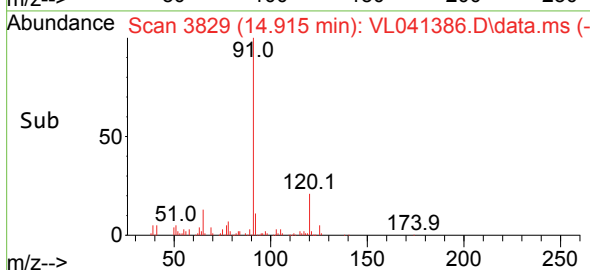
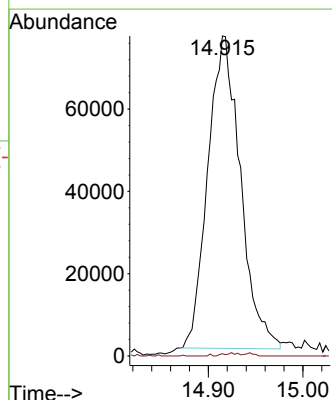
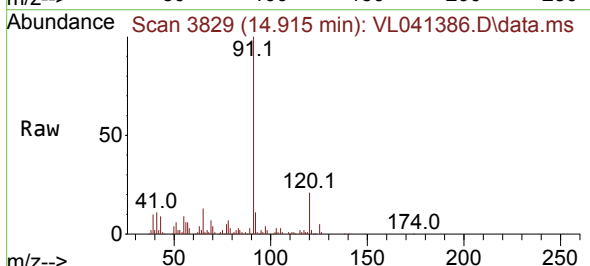
RT: 14.915 min Scan# 3829

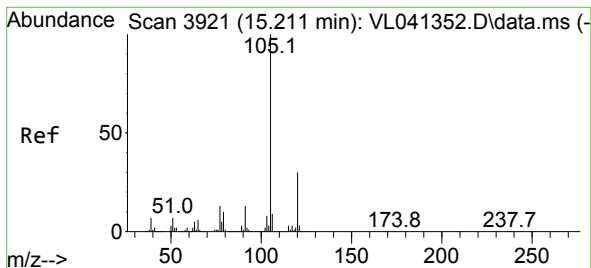
Delta R.T. 0.116 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Tgt Ion: 91	Resp: 181666
Ion Ratio	Lower Upper
91	100
126	0.7 12.9 51.7#





#72

4-Ethyltoluene

Concen: 0.655 ppbv

RT: 15.195 min Scan# 3916

Delta R.T. 0.003 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 191769

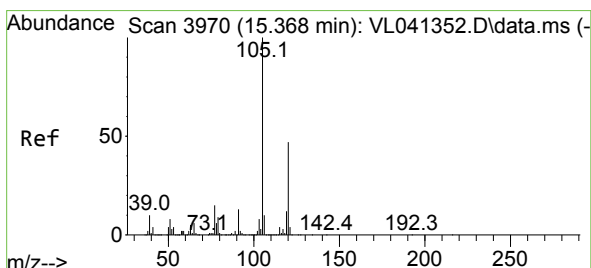
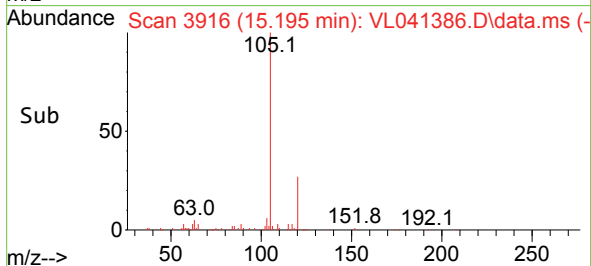
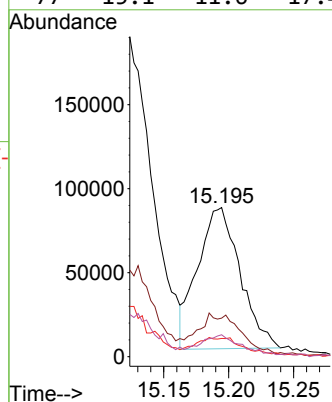
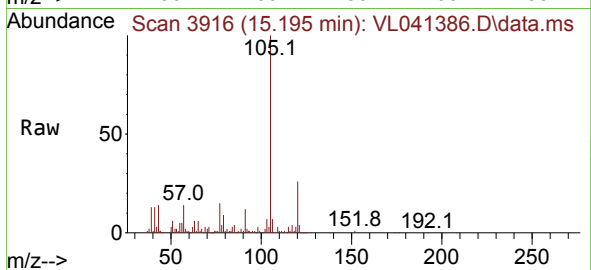
Ion Ratio Lower Upper

105 100

120 34.3 24.2 36.4

91 16.0 10.2 15.2#

77 15.1 11.6 17.4



#73

1,3,5-Trimethylbenzene

Concen: 0.977 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041386.D

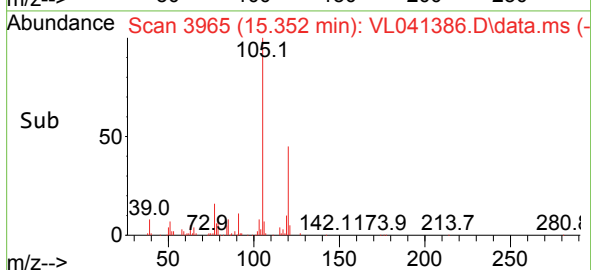
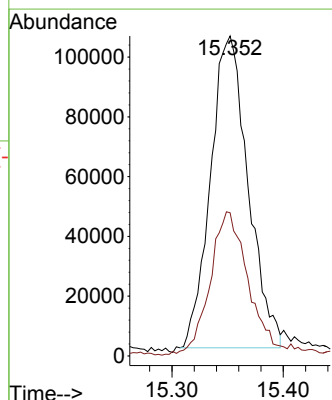
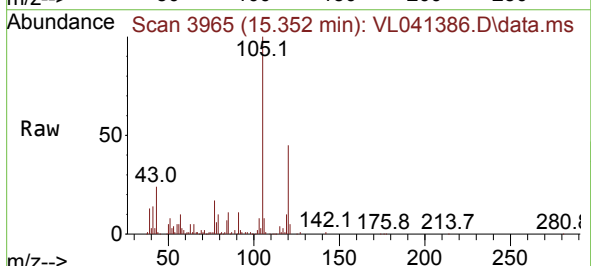
Acq: 22 Jul 2024 14:44

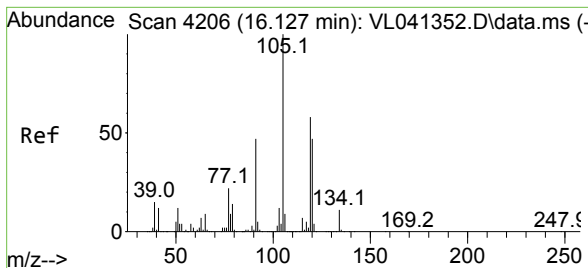
Tgt Ion:105 Resp: 245050

Ion Ratio Lower Upper

105 100

120 44.4 37.3 55.9





#74

1,2,4-Trimethylbenzene

Concen: 2.465 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

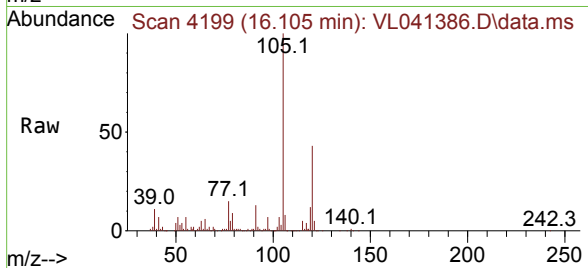
Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 696542

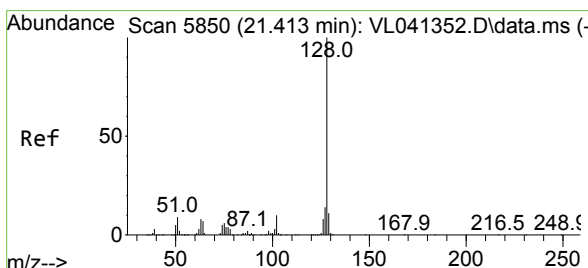
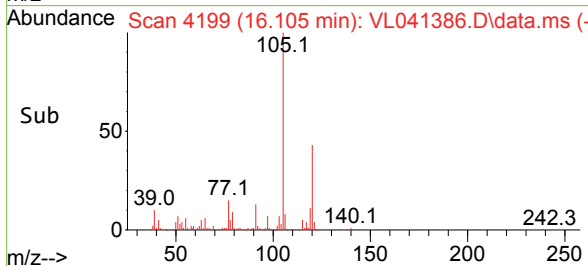
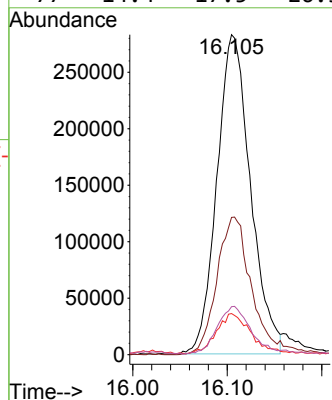
Ion Ratio Lower Upper

105 100

120 42.9 37.8 56.8

91 12.2 38.0 57.0#

77 14.4 17.5 26.3#



#79

Naphthalene

Concen: 0.040 ppbv

RT: 21.394 min Scan# 5844

Delta R.T. 0.010 min

Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

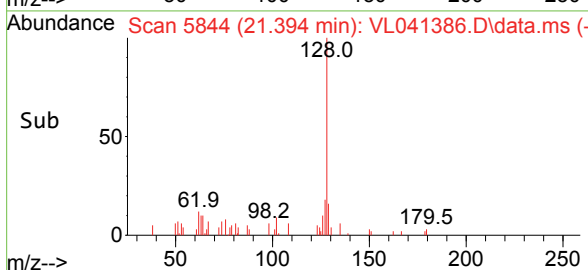
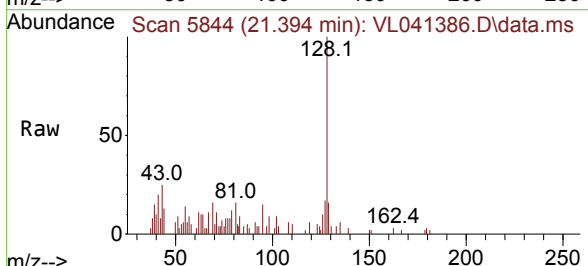
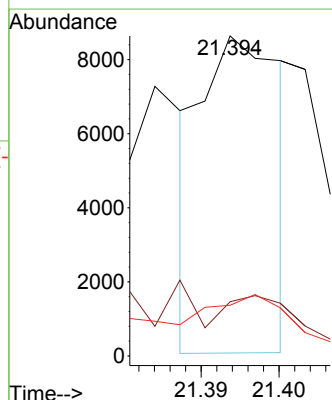
Tgt Ion:128 Resp: 6023

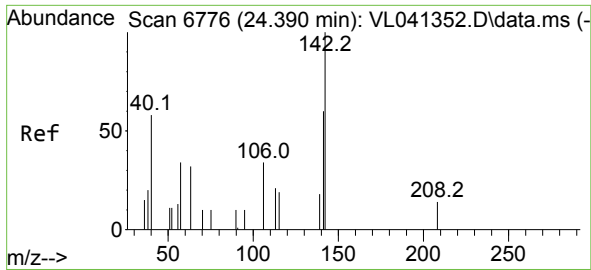
Ion Ratio Lower Upper

128 100

127 1.9 10.8 16.2#

129 26.2 9.0 13.4#





#80

Naphthalene, 2-methyl-

Concen: 1.035 ppbv

RT: 24.406 min Scan# 61

Delta R.T. 0.026 min

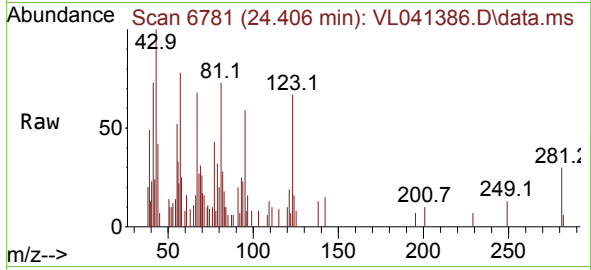
Lab File: VL041386.D

Acq: 22 Jul 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:142 Resp: 414

Ion Ratio Lower Upper

142 100

141 34.8 37.9 56.9#

115 94.2 11.0 16.4#

