

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040973.D
 Acq On : 15 Jan 2024 16:56
 Operator : SY/MD
 Sample : P1138-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 16 03:38:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 16 03:31:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1195054	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.652	114	3213489	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2906699	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.764	95	2218863	10.364	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.745	85	117926	0.518	ppbv	97
3) Chlorodifluoromethane	2.687	51	67107	0.373	ppbv #	88
4) Chloromethane	2.829	50	37584	0.567	ppbv	95
8) Dichlorotetrafluoroethane	2.867	85	3560	0.022	ppbv	95
9) Propene	2.710	41	4968326	83.729	ppbv	96
10) Heptane	7.587	43	12009781	81.420	ppbv	89
11) Trichlorofluoromethane	3.571	101	41747	0.235	ppbv	93
12) 1,1,2-Trichlorotrifluoro...	4.070	101	3209	0.023	ppbv #	15
13) Ethanol	3.272	45	18873073	1260.762	ppbv	89
15) Acetone	3.501	43	18266161	127.444	ppbv #	63
16) 1,3-Butadiene	2.980	39	1812621	29.372	ppbv #	9
19) Isopropyl Alcohol	3.272	45	18873073	252.353	ppbv #	95
20) Methylene Chloride	3.941	84	728747	14.264	ppbv	97
21) Allyl Chloride	3.964	41	2617391	30.895	ppbv #	58
23) Vinyl Acetate	4.616	43	7315304	46.265	ppbv #	1
24) 1,1-Dichloroethane	4.610	63	34527	0.244	ppbv #	89
25) Ethyl Acetate	5.224	43	11682716	47.042	ppbv #	77
26) Hexane	5.224	57	15243170	138.494	ppbv #	41
28) Methyl tert-Butyl Ether	4.594	73	68245	0.668	ppbv #	53
30) Cyclohexane	6.607	84	6445838	70.245	ppbv	89
34) 2-Butanone	4.671	43	18694940	109.976	ppbv #	61
36) Benzene	6.372	78	17890347	71.217	ppbv #	72
37) 1,2-Dichloroethane	5.819	62	60166	0.400	ppbv #	83
39) 1,2-Dichloropropane	6.970	63	8633	0.087	ppbv #	1
41) Tetrahydrofuran	5.626	42	262836	2.541	ppbv #	39
42) Bromodichloromethane	7.253	83	976130	4.496	ppbv #	25
43) Methyl Methacrylate	7.446	69	315295	3.200	ppbv #	1
44) 2,2,4-Trimethylpentane	7.333	57	20304588	47.584	ppbv #	70
50) 4-Methyl-2-Pentanone	8.214	43	251134	0.975	ppbv	98
51) 2-Hexanone	9.529	43	2813863	15.185	ppbv #	30
53) Toluene	9.237	91	30328614	108.879	ppbv #	73
57) Chlorobenzene	11.487	112	13468	0.063	ppbv #	40
58) Ethyl Benzene	12.082	91	18530434	49.634	ppbv #	70
59) m/p-Xylene	12.352	91	33855511	106.610	ppbv #	100
60) o-Xylene	13.053	91	17897273	59.814	ppbv	82
61) Styrene	12.889	104	1098379	7.722	ppbv	98
62) Isopropylbenzene	14.015	105	5855023	13.196	ppbv	99
64) n-propylbenzene	14.905	120	1521485	13.670	ppbv	90
65) tert-Butylbenzene	16.098	119	2347982	6.225	ppbv #	70
66) Benzyl Chloride	16.098	91	2508711	97.199	ppbv #	66
67) sec-Butylbenzene	16.619	105	446377	0.814	ppbv	100
69) p-Isopropyltoluene	16.973	119	268030	0.629	ppbv #	70
70) n-Butylbenzene	17.876	91	1393753	3.151	ppbv #	38

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Instrument :
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ClientSampleId :

Quant Time: Jan 16 03:38:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration

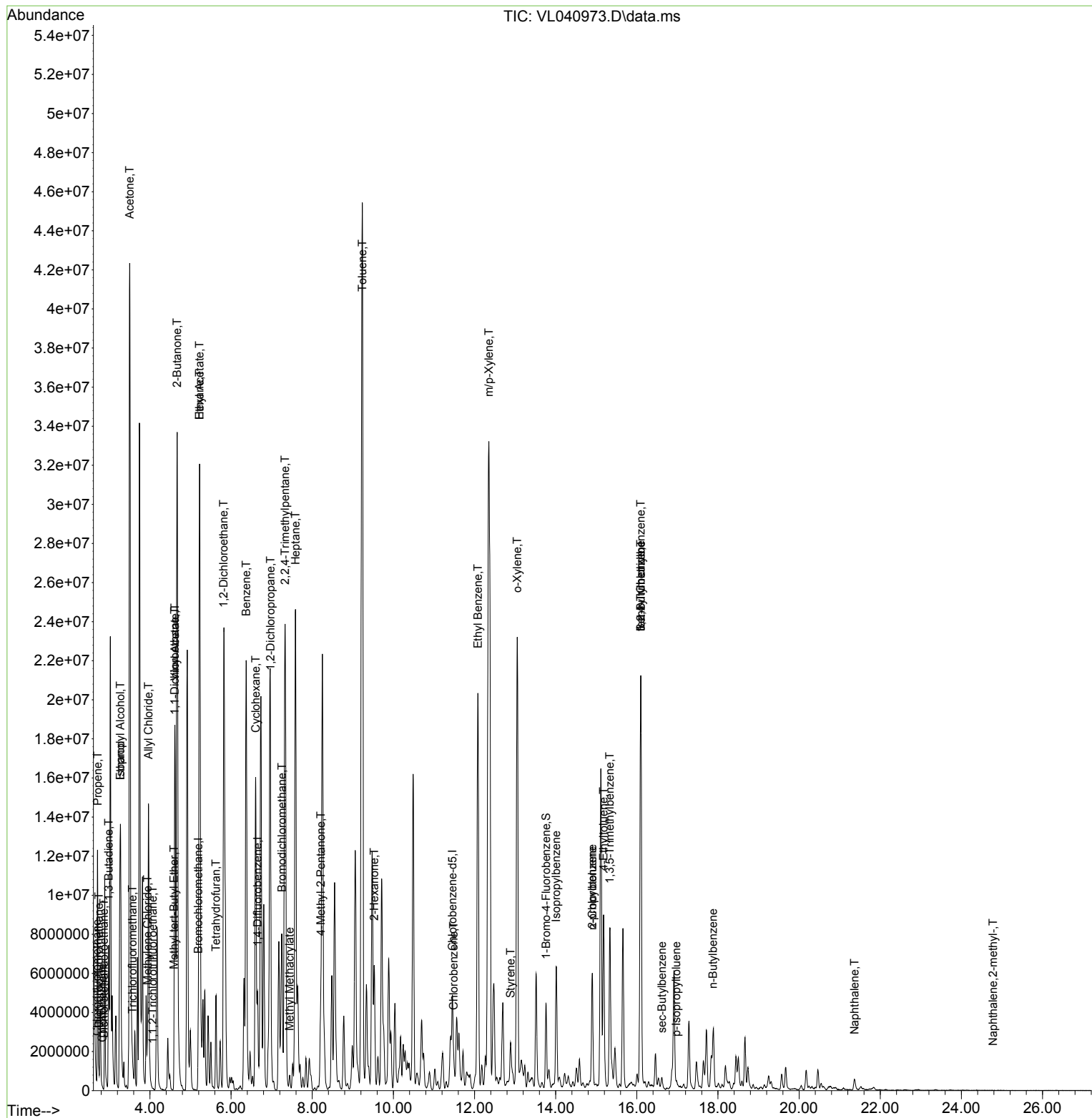
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71) 2-Chlorotoluene	14.902	91	6810618	19.931	ppbv #	44
72) 4-Ethyltoluene	15.179	105	7418373	22.590	ppbv	97
73) 1,3,5-Trimethylbenzene	15.336	105	6400411	22.581	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	16828232	53.348	ppbv #	72
79) Naphthalene	21.365	128	758391	4.990	ppbv	98
80) Naphthalene,2-methyl-	24.779	142	2001	0.072	ppbv	85

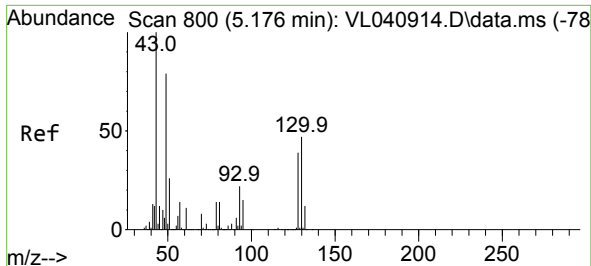
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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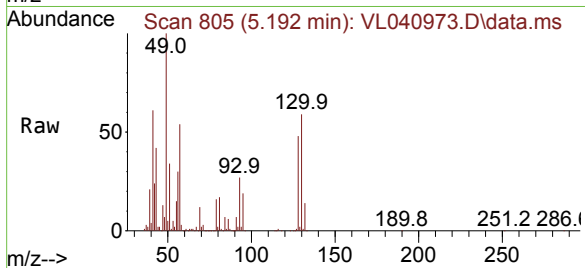
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
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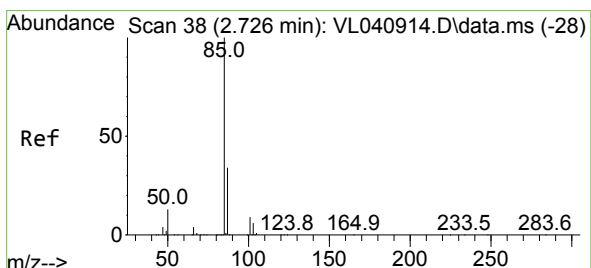
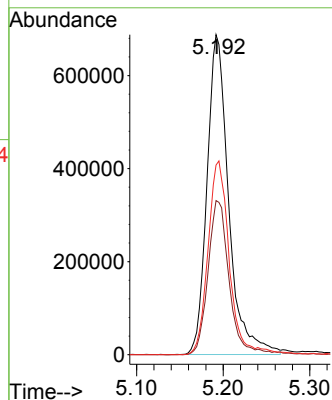
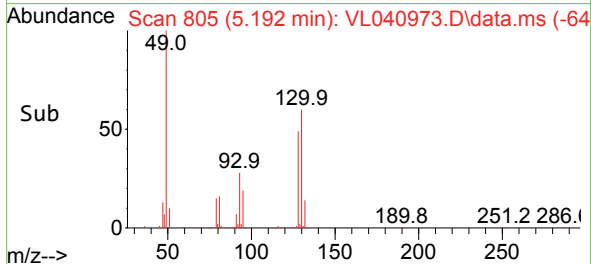


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Instrument :
MSVOA_L
ClientSampleId :

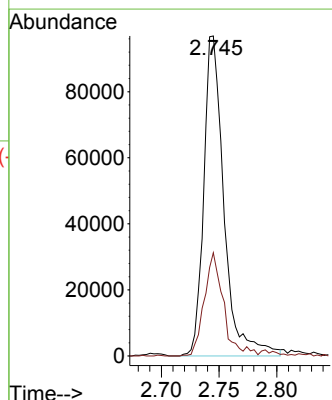
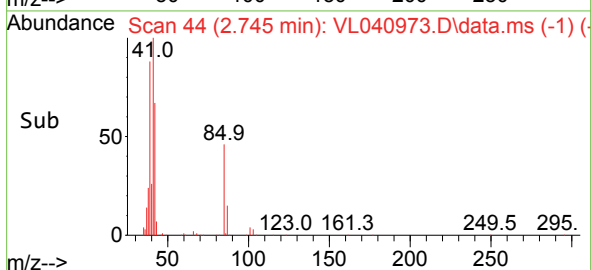
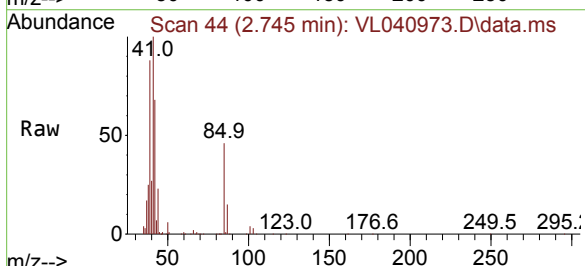


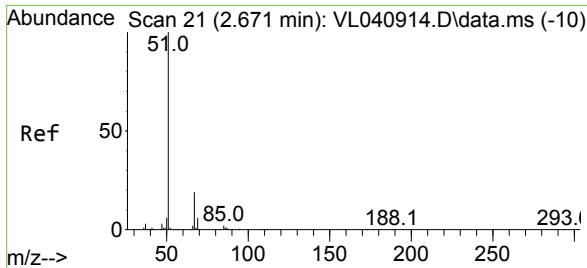
Tgt Ion: 49 Resp: 1195054
Ion Ratio Lower Upper
49 100
128 47.7 23.8 71.2
130 60.3 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.518 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.022 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 85 Resp: 117926
Ion Ratio Lower Upper
85 100
87 32.3 27.0 40.6

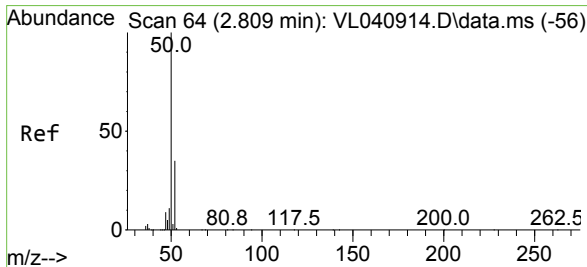
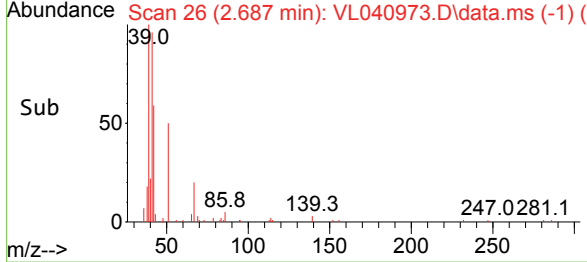
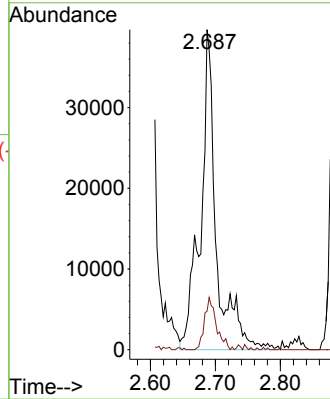
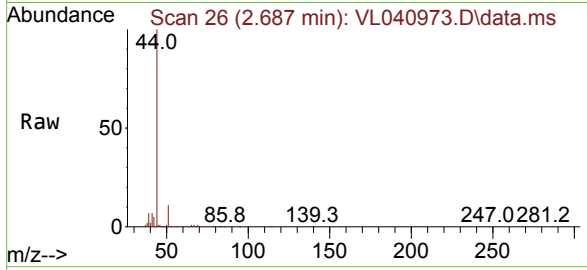




#3
Chlorodifluoromethane
Concen: 0.373 ppbv
RT: 2.687 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

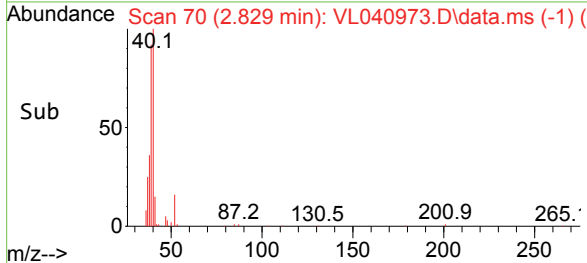
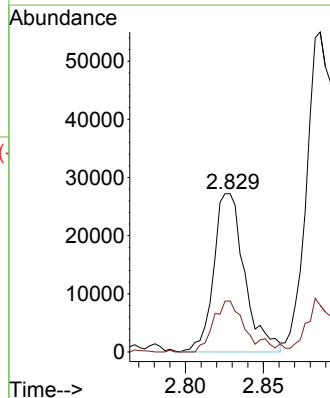
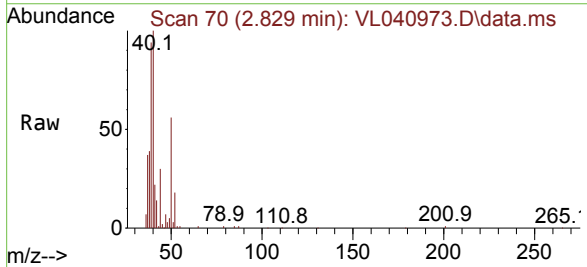
Instrument :
MSVOA_L
ClientSampleId :

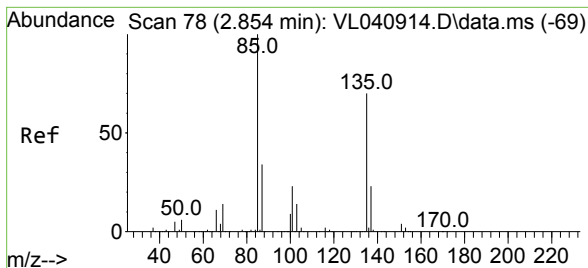
Tgt Ion: 51 Resp: 67107
Ion Ratio Lower Upper
51 100
67 12.8 14.7 22.1#



#4
Chloromethane
Concen: 0.567 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.022 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 50 Resp: 37584
Ion Ratio Lower Upper
50 100
52 32.2 28.0 42.0

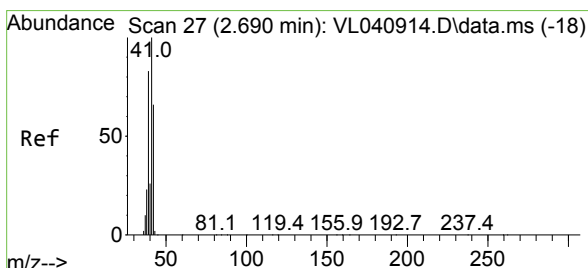
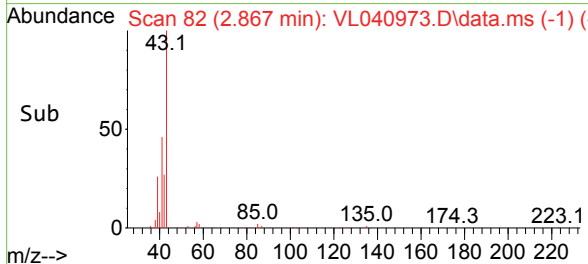
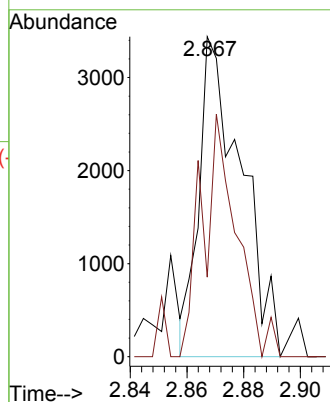
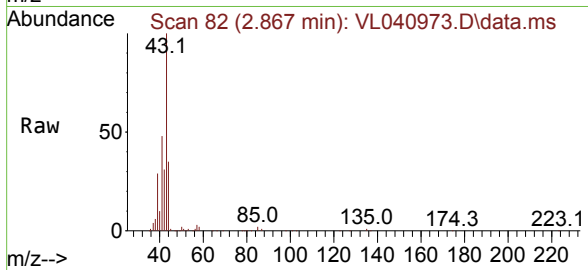




#8
 Dichlorotetrafluoroethane
 Concen: 0.022 ppbv
 RT: 2.867 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL040973.D
 Acq: 15 Jan 2024 16:56

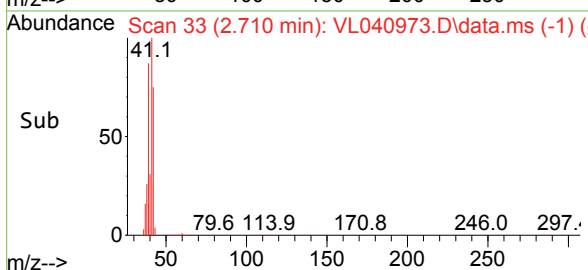
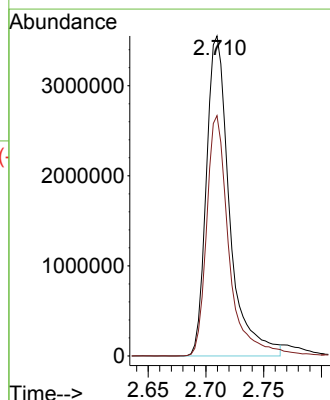
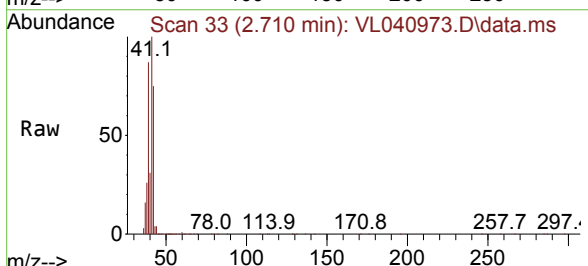
Instrument :
 MSVOA_L
 ClientSampleId :

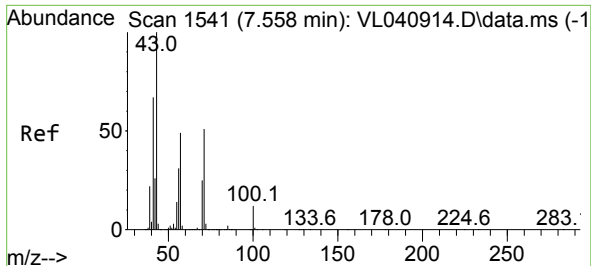
Tgt Ion: 85 Resp: 3560
 Ion Ratio Lower Upper
 85 100
 135 65.8 55.8 83.8



#9
 Propene
 Concen: 83.729 ppbv
 RT: 2.710 min Scan# 33
 Delta R.T. 0.022 min
 Lab File: VL040973.D
 Acq: 15 Jan 2024 16:56

Tgt Ion: 41 Resp: 4968326
 Ion Ratio Lower Upper
 41 100
 42 73.2 55.8 83.6

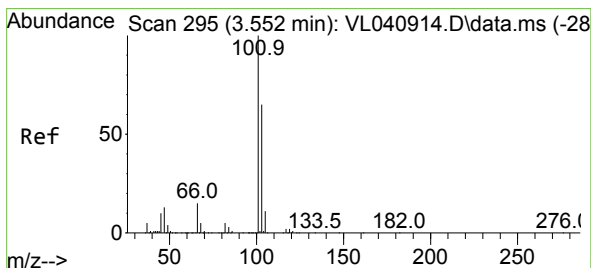
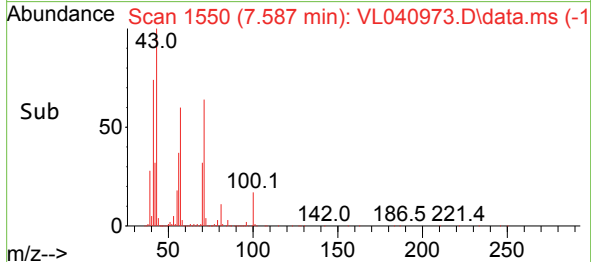
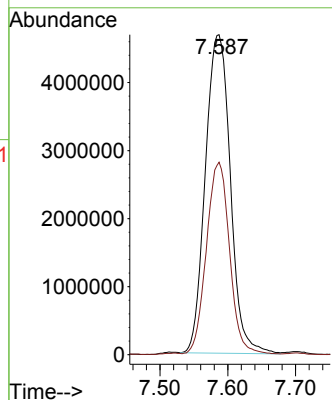
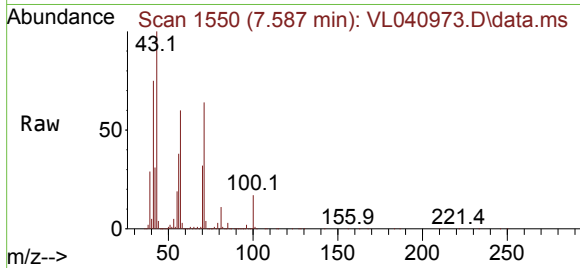




#10
Heptane
Concen: 81.420 ppbv
RT: 7.587 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

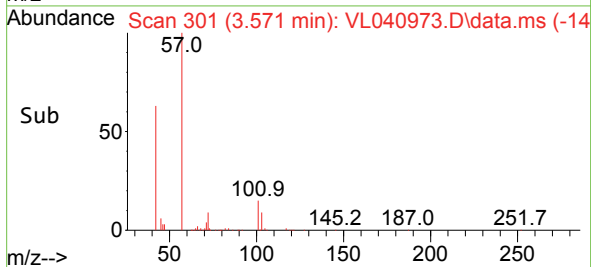
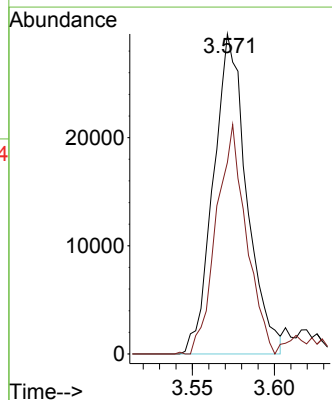
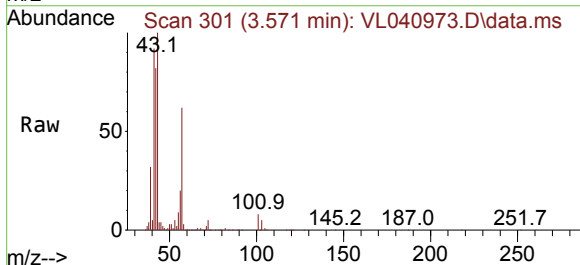
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MSVOA_L
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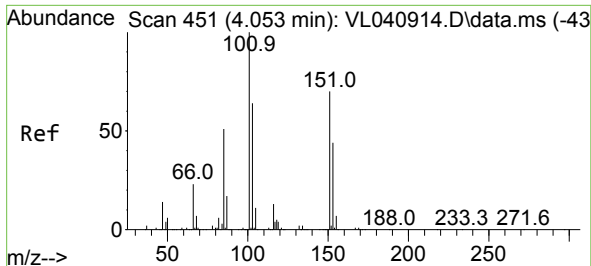
Tgt Ion: 43 Resp:12009781
Ion Ratio Lower Upper
43 100
57 56.4 39.3 58.9



#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion:101 Resp: 41747
Ion Ratio Lower Upper
101 100
103 59.3 51.9 77.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.023 ppbv

RT: 4.070 min Scan# 4

Delta R.T. 0.016 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

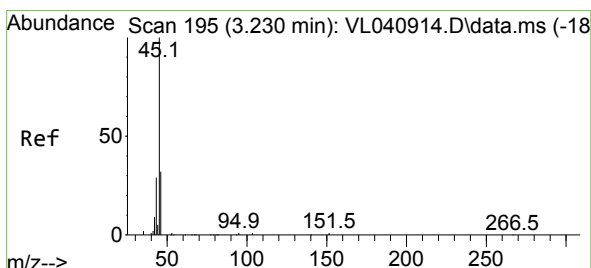
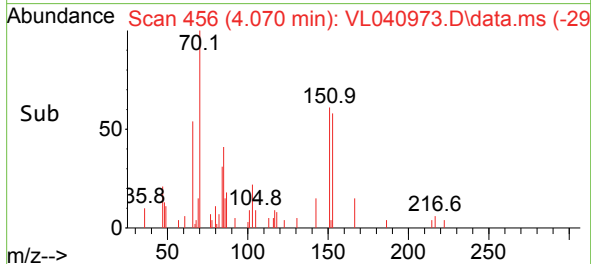
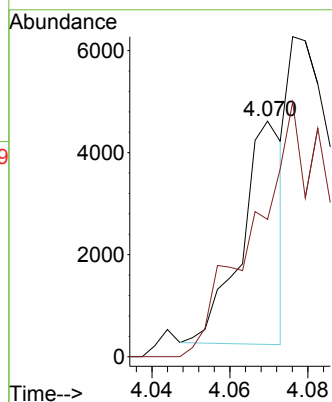
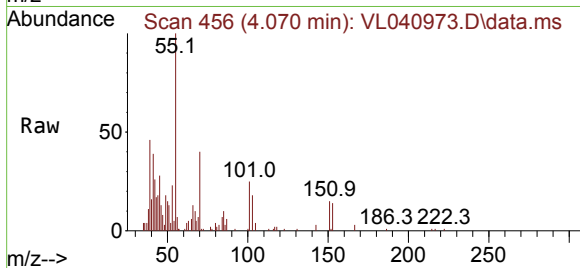
ClientSampleId :

Tgt Ion:101 Resp: 3209

Ion Ratio Lower Upper

101 100

151 0.0 55.8 83.8#



#13

Ethanol

Concen: 1260.762 ppbv

RT: 3.272 min Scan# 208

Delta R.T. 0.042 min

Lab File: VL040973.D

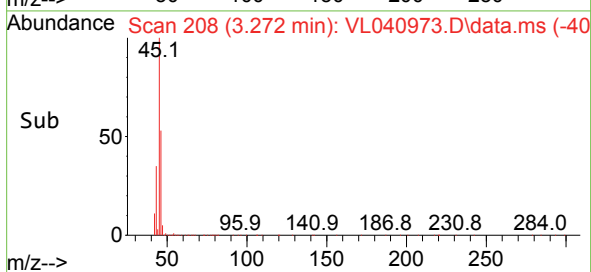
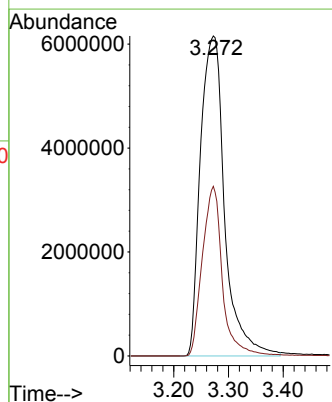
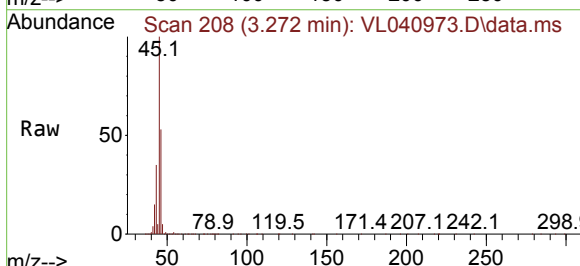
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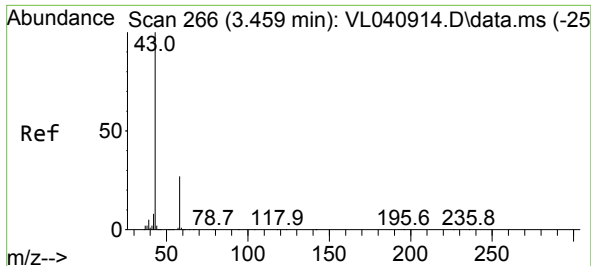
Tgt Ion: 45 Resp:18873073

Ion Ratio Lower Upper

45 100

46 44.3 15.0 60.0

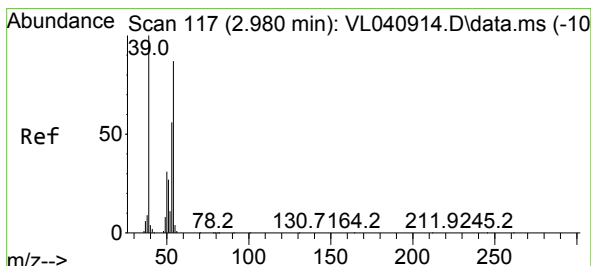
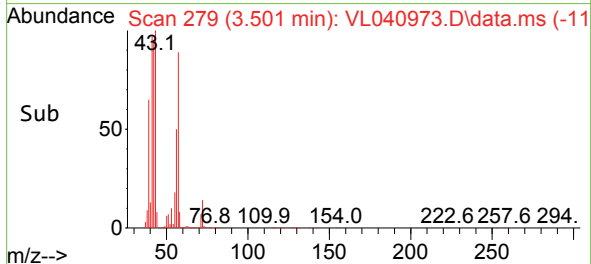
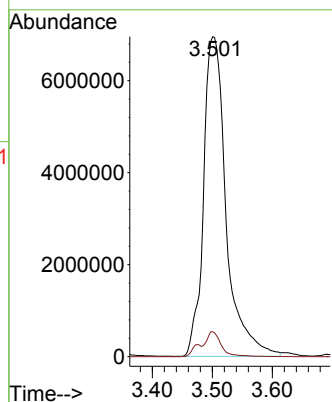
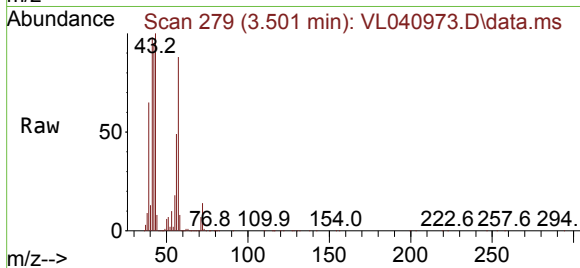




#15
Acetone
Concen: 127.444 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

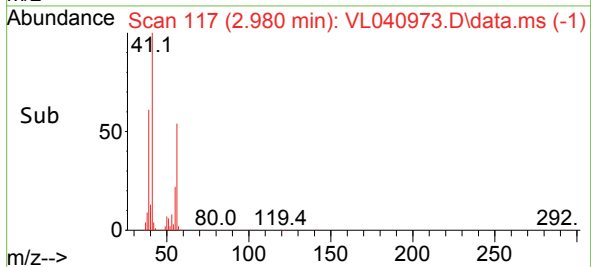
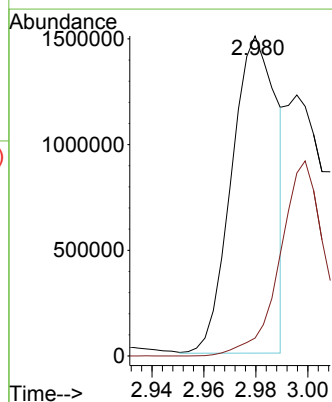
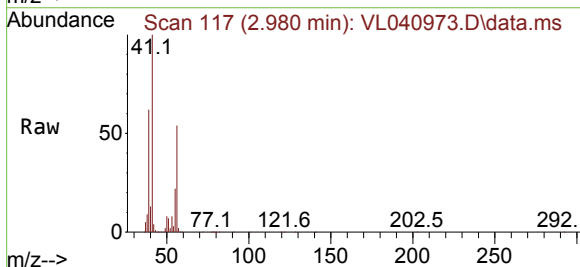
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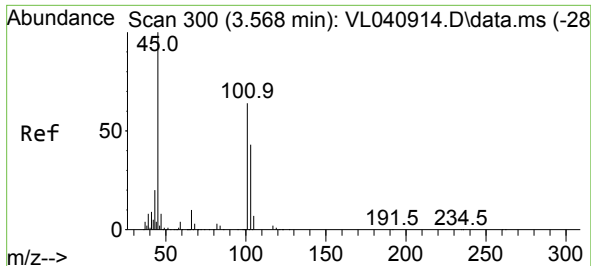
Tgt Ion: 43 Resp:18266161
Ion Ratio Lower Upper
43 100
58 6.9 20.6 30.8#



#16
1,3-Butadiene
Concen: 29.372 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 39 Resp: 1812621
Ion Ratio Lower Upper
39 100
54 0.0 63.8 95.6#

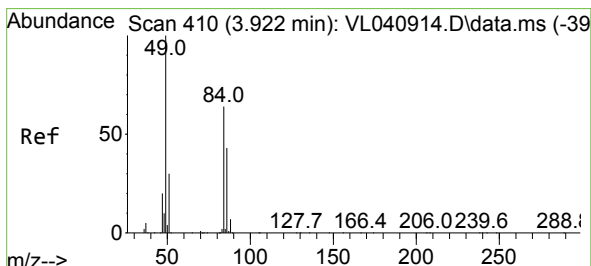
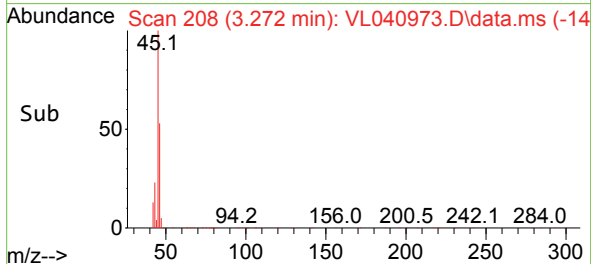
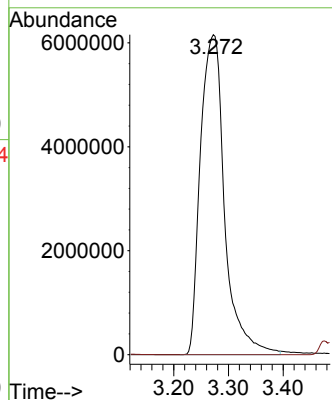
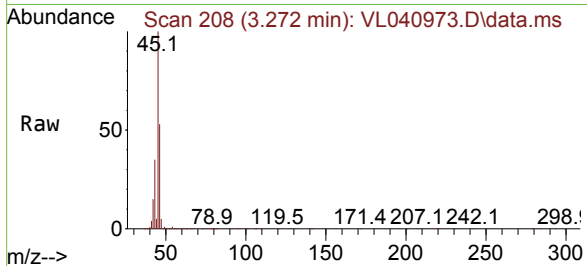




#19
Isopropyl Alcohol
Concen: 252.353 ppbv
RT: 3.272 min Scan# 20
Delta R.T. -0.293 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

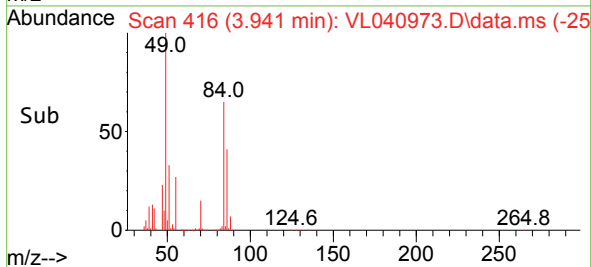
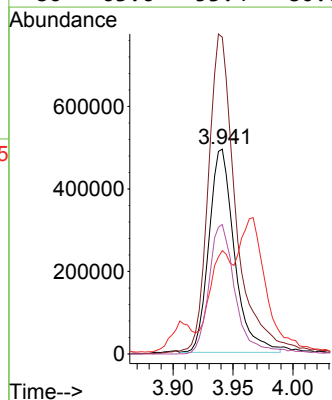
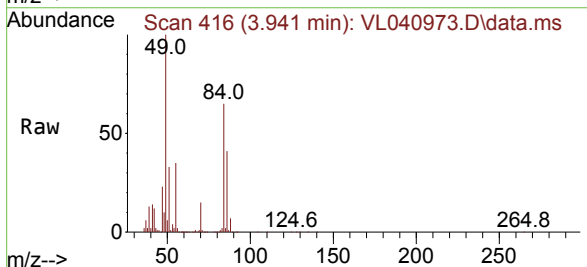
Instrument :
MSVOA_L
ClientSampleId :

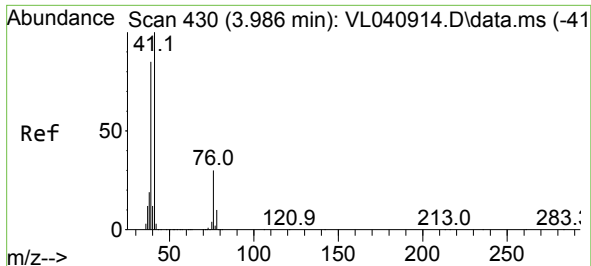
Tgt Ion: 45 Resp:18873073
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#



#20
Methylene Chloride
Concen: 14.264 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.022 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 84 Resp: 728747
Ion Ratio Lower Upper
84 100
49 154.5 124.6 187.0
51 40.5 37.2 55.8
86 63.6 53.4 80.0

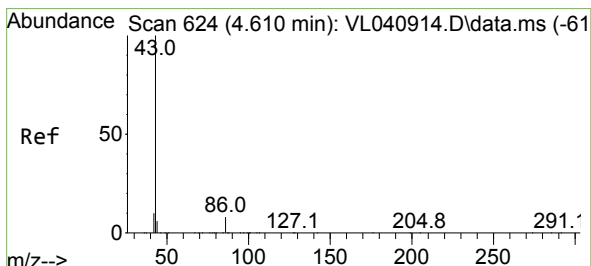
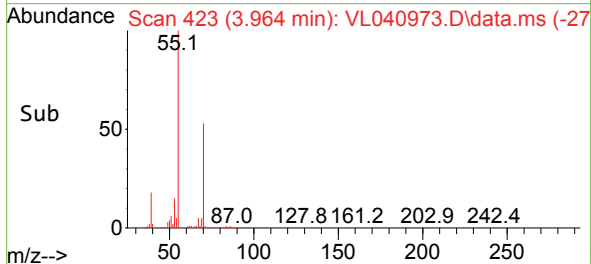
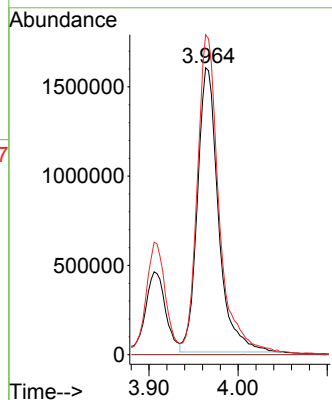
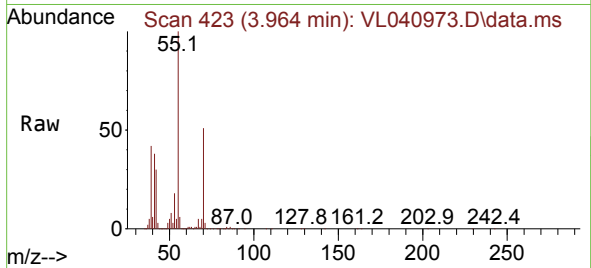




#21
 Allyl Chloride
 Concen: 30.895 ppbv
 RT: 3.964 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040973.D
 Acq: 15 Jan 2024 16:56

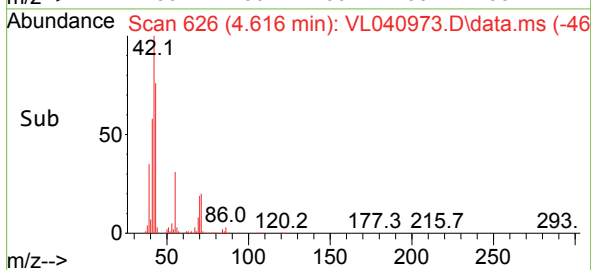
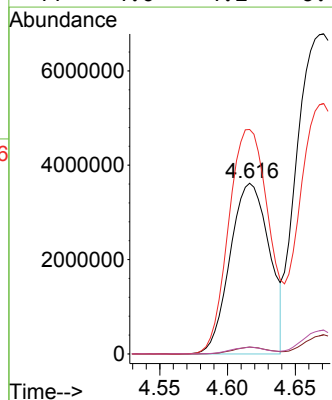
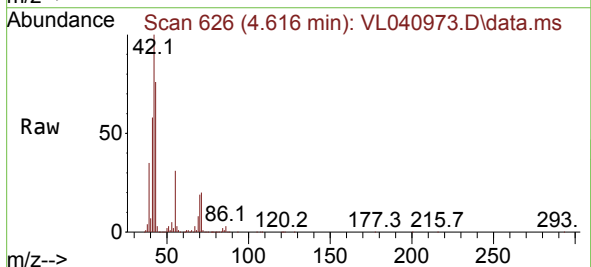
Instrument :
 MSVOA_L
 ClientSampleId :

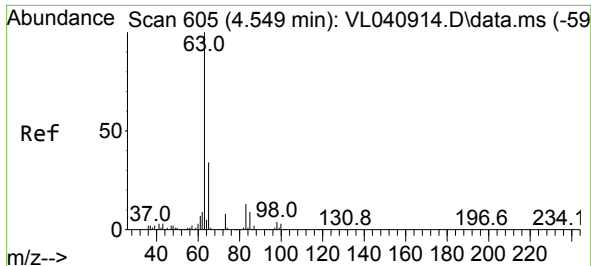
Tgt Ion: 41 Resp: 2617391
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.9 35.9#
 39 117.0 66.5 99.7#



#23
 Vinyl Acetate
 Concen: 46.265 ppbv
 RT: 4.616 min Scan# 626
 Delta R.T. 0.006 min
 Lab File: VL040973.D
 Acq: 15 Jan 2024 16:56

Tgt Ion: 43 Resp: 7315304
 Ion Ratio Lower Upper
 43 100
 86 4.1 5.5 8.3#
 42 131.4 8.4 12.6#
 44 4.0 4.2 6.4#

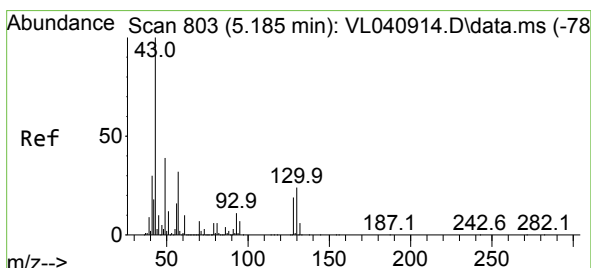
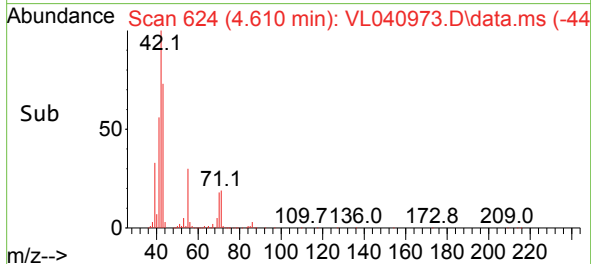
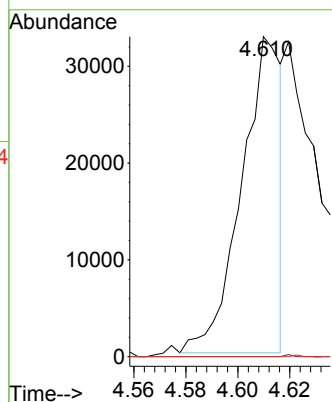
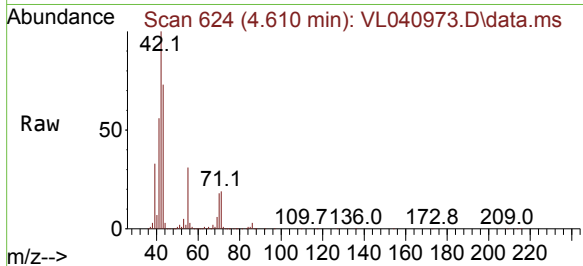




#24
1,1-Dichloroethane
Concen: 0.244 ppbv
RT: 4.610 min Scan# 610
Delta R.T. 0.061 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

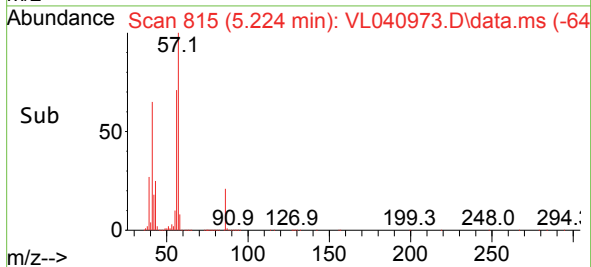
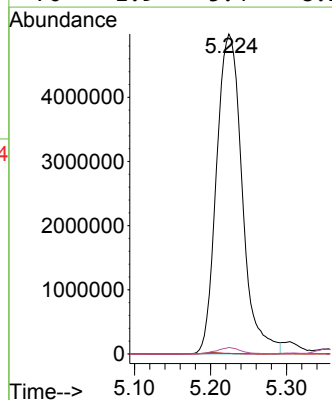
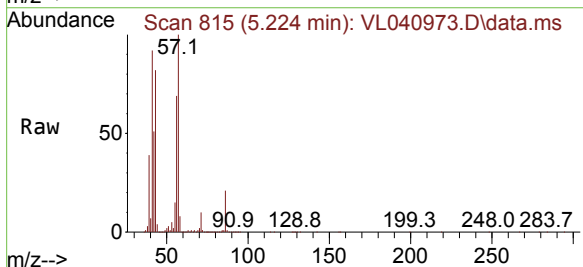
Instrument :
MSVOA_L
ClientSampleId :

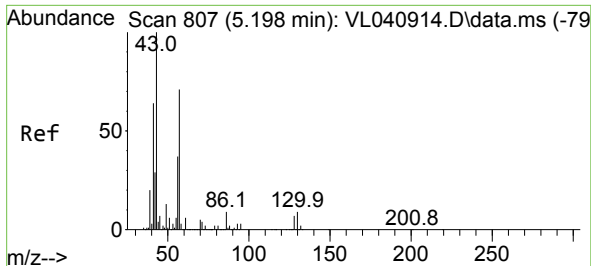
Tgt Ion: 63 Resp: 34527
Ion Ratio Lower Upper
63 100
98 0.0 2.1 6.5#
100 0.0 1.4 4.2#



#25
Ethyl Acetate
Concen: 47.042 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.035 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

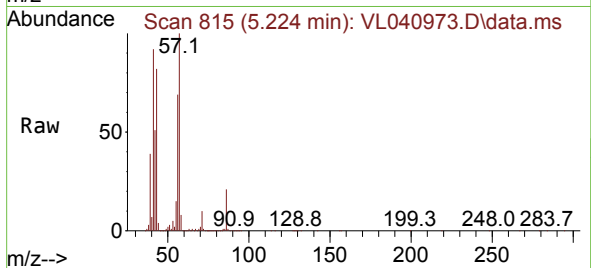
Tgt Ion: 43 Resp: 11682716
Ion Ratio Lower Upper
43 100
45 0.4 8.2 12.2#
61 0.3 7.6 11.4#
70 1.9 5.4 8.2#



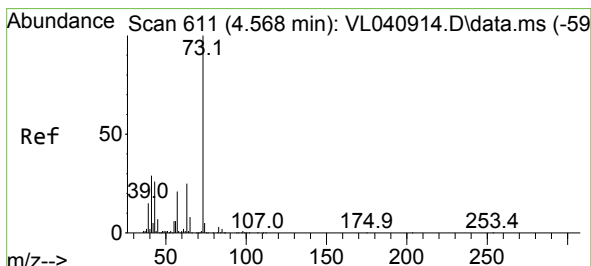
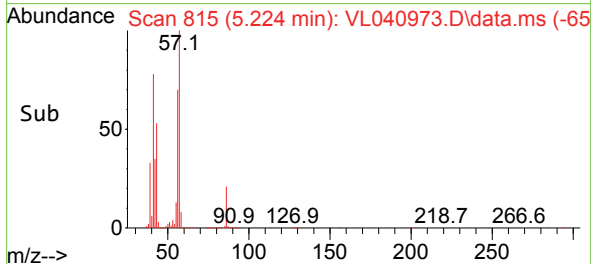
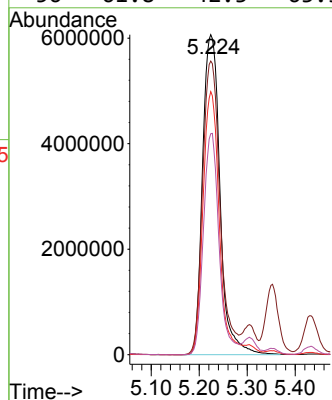


#26
Hexane
Concen: 138.494 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Instrument :
MSVOA_L
ClientSampleId :

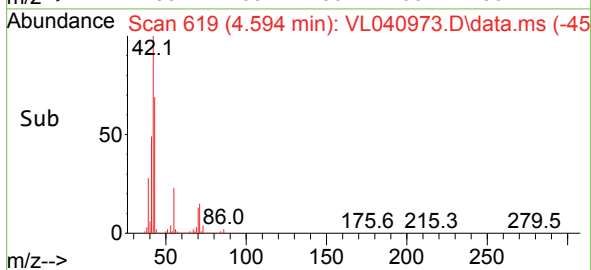
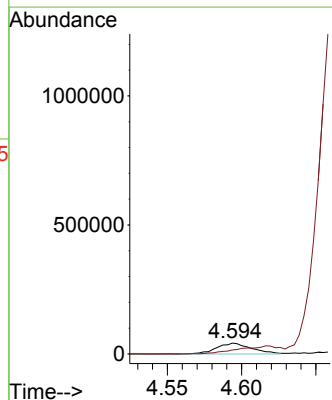
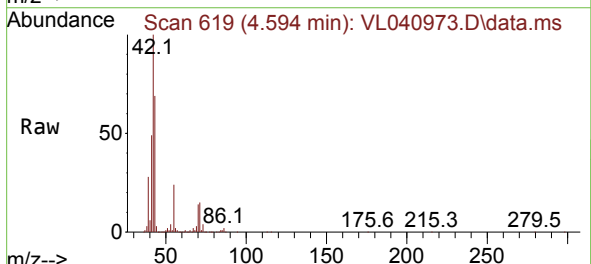


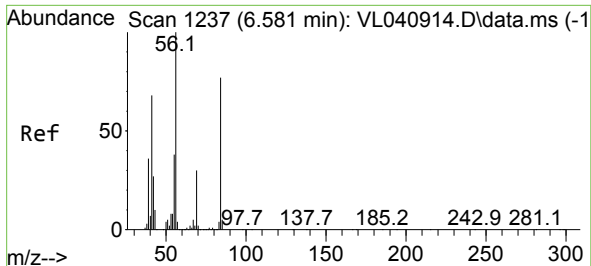
Tgt Ion: 57 Resp:15243170
Ion Ratio Lower Upper
57 100
41 93.1 75.2 112.8
43 78.8 188.0 282.0#
56 61.8 42.3 63.5



#28
Methyl tert-Butyl Ether
Concen: 0.668 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.022 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 73 Resp: 68245
Ion Ratio Lower Upper
73 100
57 0.0 18.0 27.0#



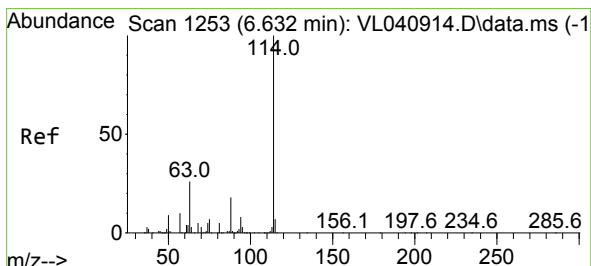
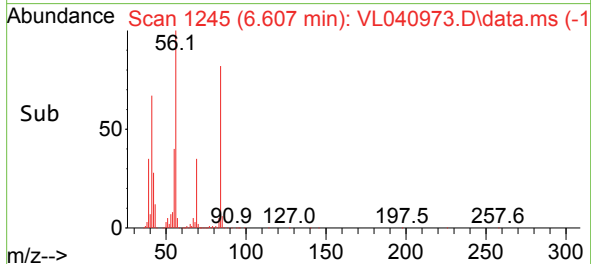
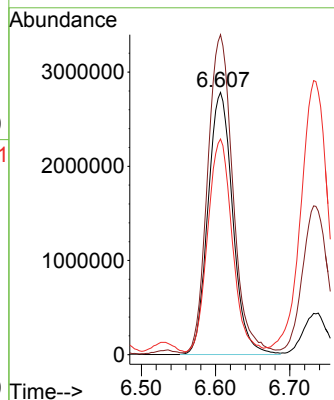
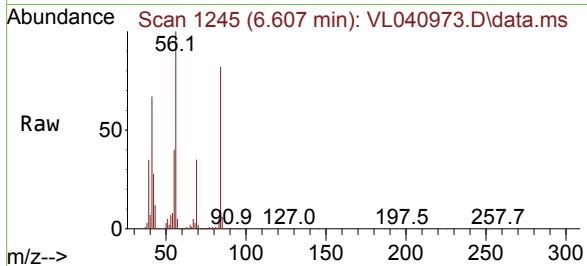


#30
Cyclohexane
Concen: 70.245 ppbv
RT: 6.607 min Scan# 11
Delta R.T. 0.022 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 6445838

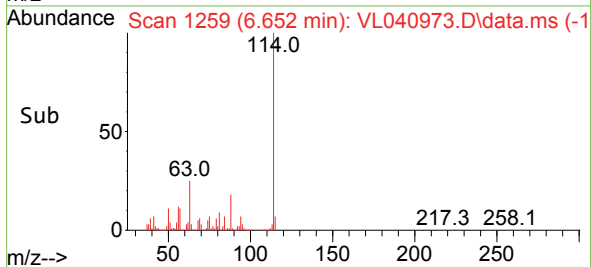
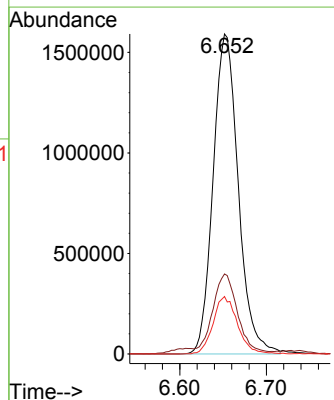
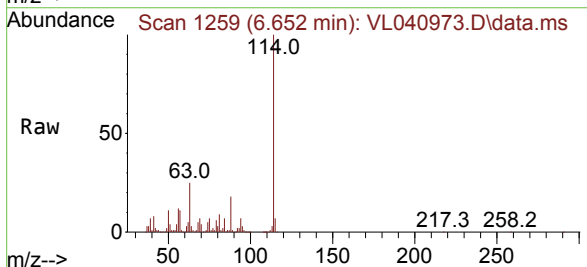
Ion	Ratio	Lower	Upper
84	100		
56	122.8	111.4	167.2
41	80.5	70.0	105.0

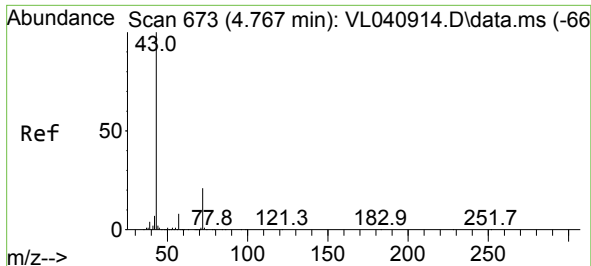


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.016 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 114 Resp: 3213489

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.0	31.6
88	17.6	14.3	21.5

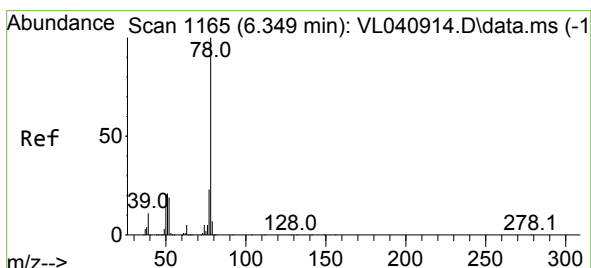
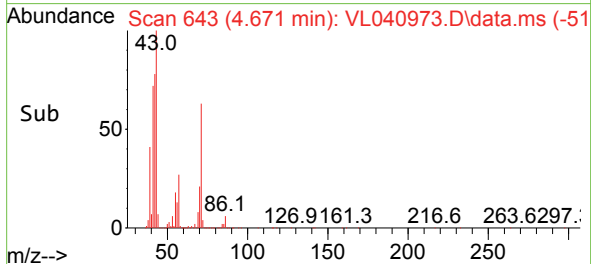
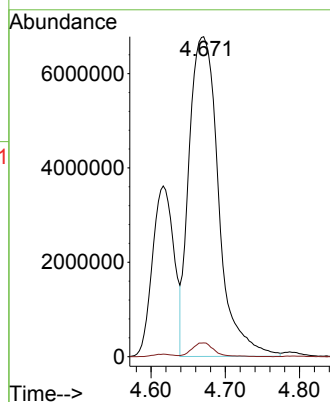
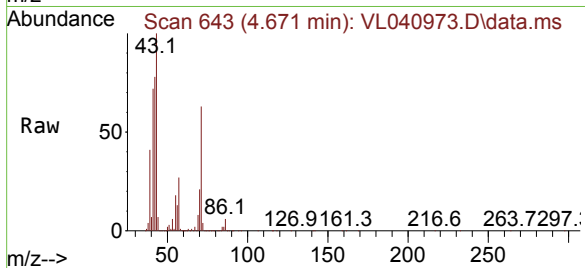




#34
2-Butanone
Concen: 109.976 ppbv
RT: 4.671 min Scan# 64
Delta R.T. -0.100 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

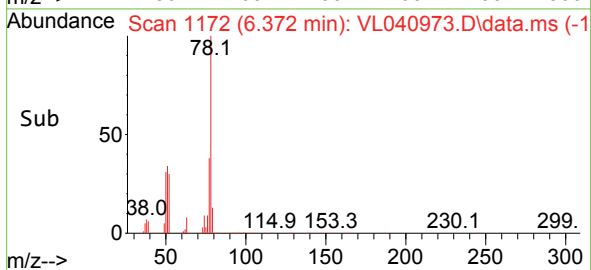
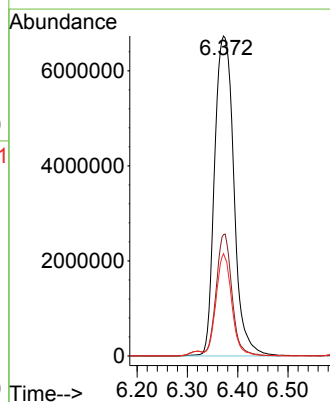
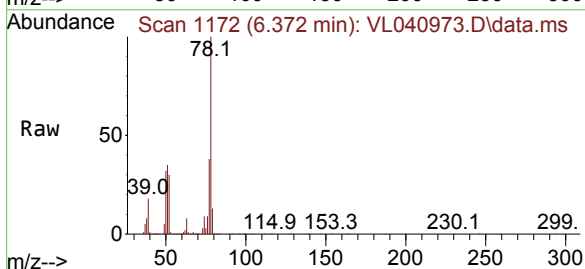
Instrument :
MSVOA_L
ClientSampleId :

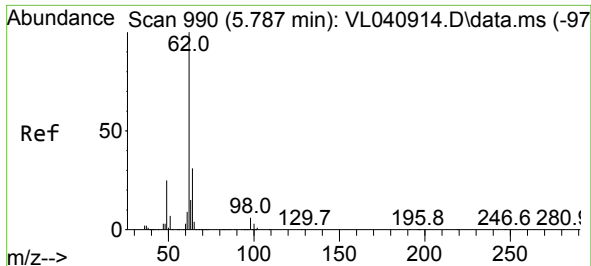
Tgt Ion: 43 Resp:18694940
Ion Ratio Lower Upper
43 100
72 3.3 17.2 25.8#



#36
Benzene
Concen: 71.217 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.019 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 78 Resp:17890347
Ion Ratio Lower Upper
78 100
77 37.9 18.4 27.6#
50 31.9 16.0 24.0#





#37

1,2-Dichloroethane

Concen: 0.400 ppbv

RT: 5.819 min Scan# 1000

Delta R.T. 0.029 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

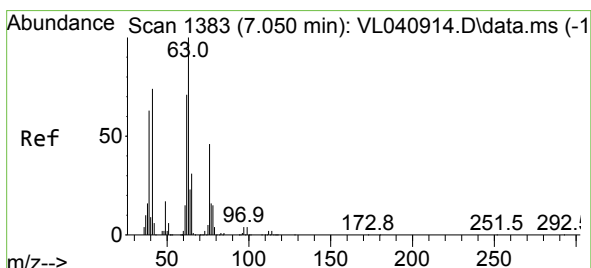
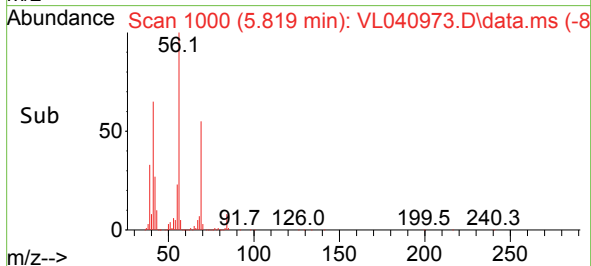
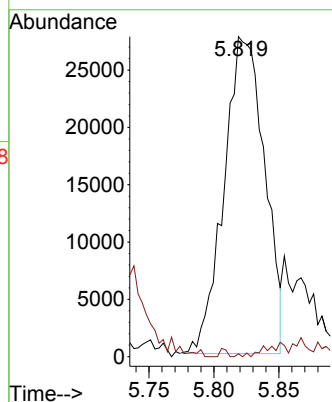
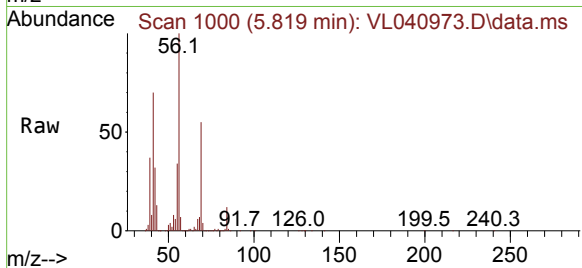
ClientSampleId :

Tgt Ion: 62 Resp: 60166

Ion Ratio Lower Upper

62 100

98 0.0 4.6 7.0#



#39

1,2-Dichloropropane

Concen: 0.087 ppbv

RT: 6.970 min Scan# 1358

Delta R.T. -0.084 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

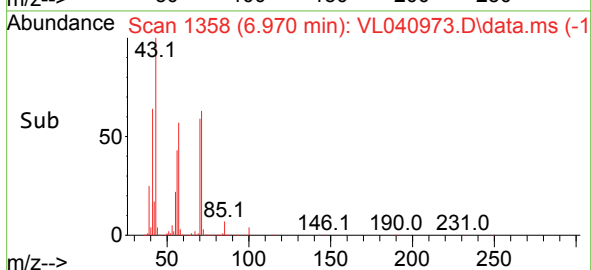
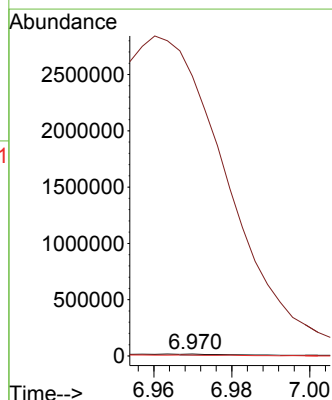
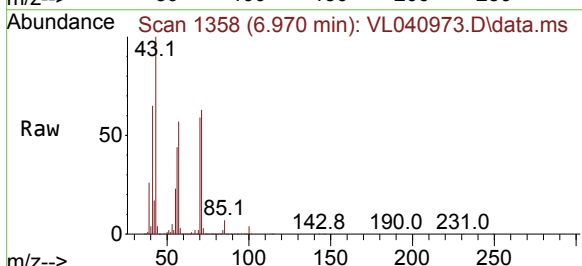
Tgt Ion: 63 Resp: 8633

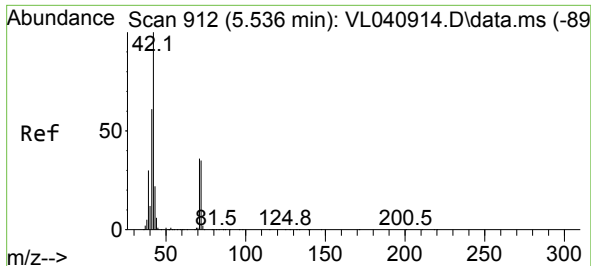
Ion Ratio Lower Upper

63 100

41 18191.0 59.0 88.6#

62 49.2 56.6 85.0#





#41

Tetrahydrofuran

Concen: 2.541 ppbv

RT: 5.626 min Scan# 940

Delta R.T. 0.087 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

ClientSampleId :

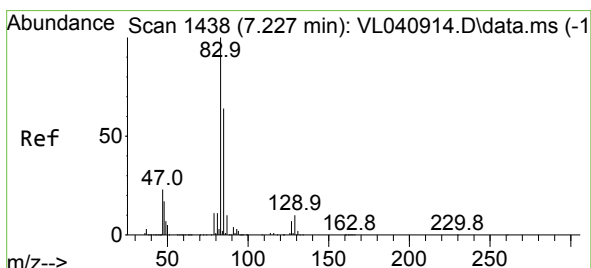
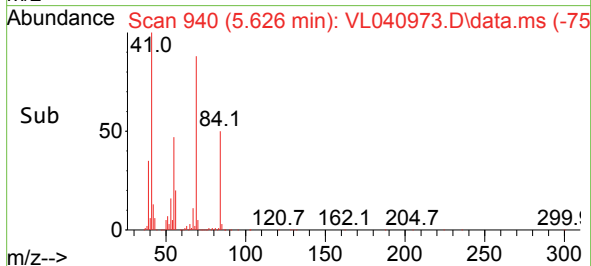
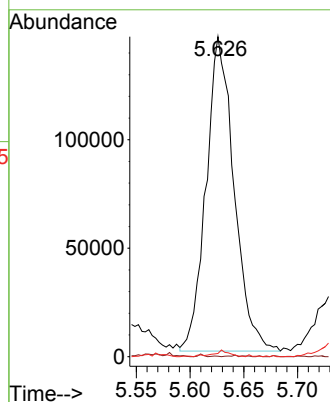
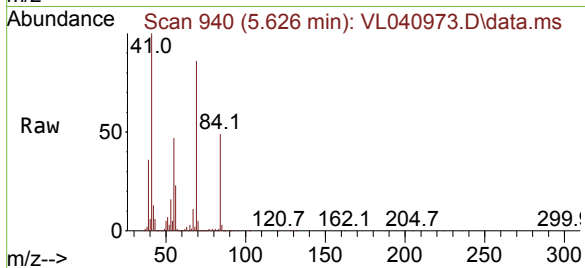
Tgt Ion: 42 Resp: 262836

Ion Ratio Lower Upper

42 100

72 1.5 29.6 44.4#

71 0.0 29.1 43.7#



#42

Bromodichloromethane

Concen: 4.496 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.022 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

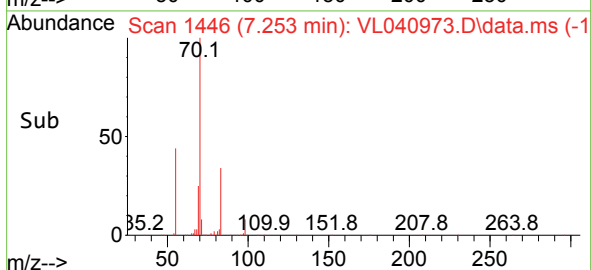
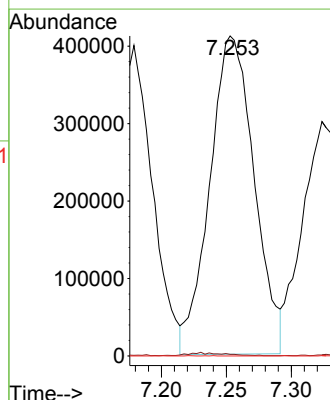
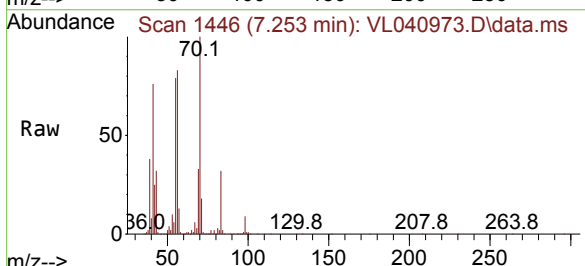
Tgt Ion: 83 Resp: 976130

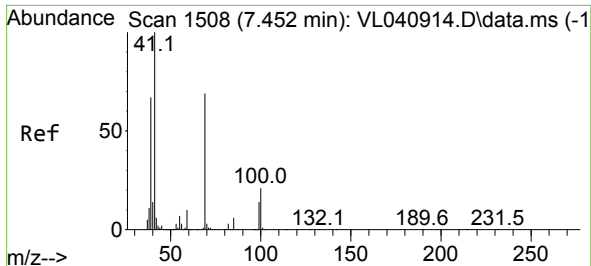
Ion Ratio Lower Upper

83 100

85 0.4 51.4 77.0#

127 0.0 5.9 8.9#

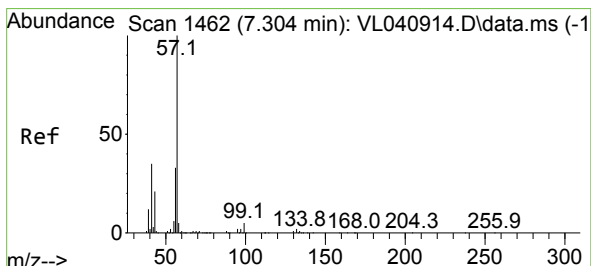
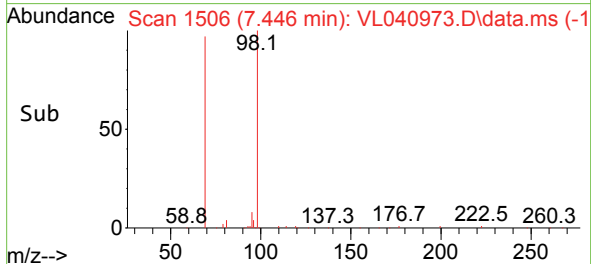
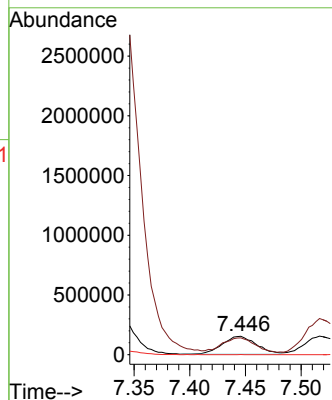
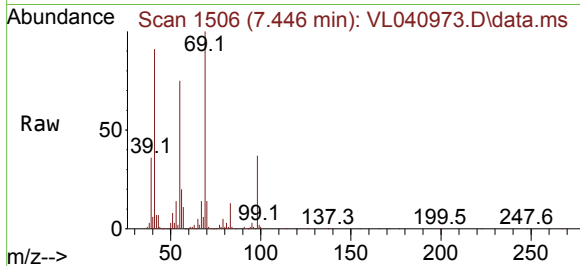




#43
Methyl Methacrylate
Concen: 3.200 ppbv
RT: 7.446 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

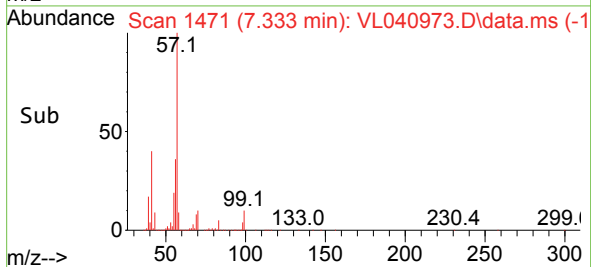
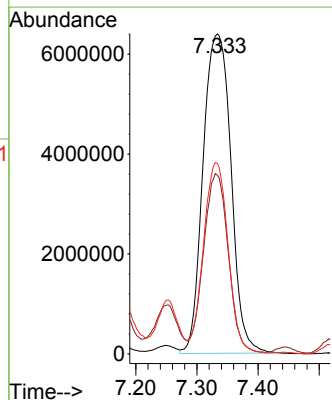
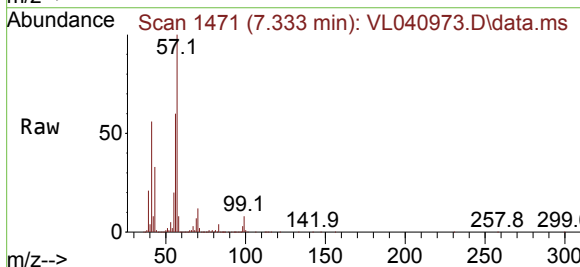
Instrument :
MSVOA_L
ClientSampleId :

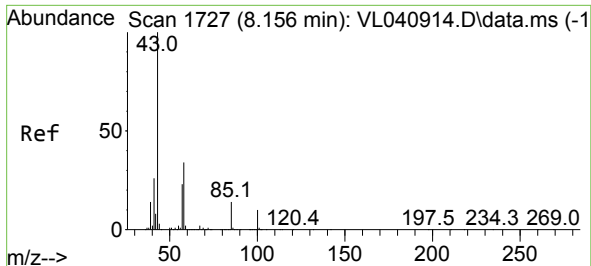
Tgt Ion: 69 Resp: 315295
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9#
100 0.0 25.1 37.7#



#44
2,2,4-Trimethylpentane
Concen: 47.584 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.026 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 57 Resp: 20304588
Ion Ratio Lower Upper
57 100
41 49.6 28.2 42.4#
56 52.1 25.3 37.9#

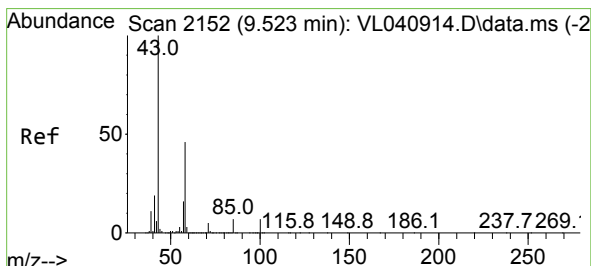
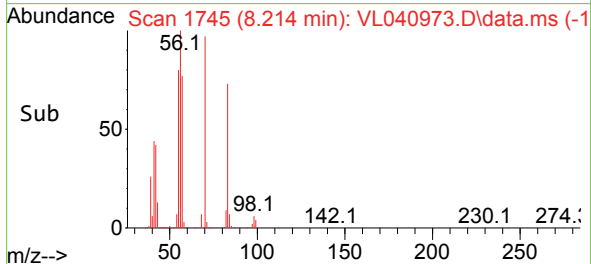
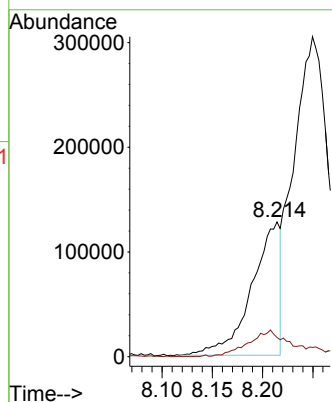
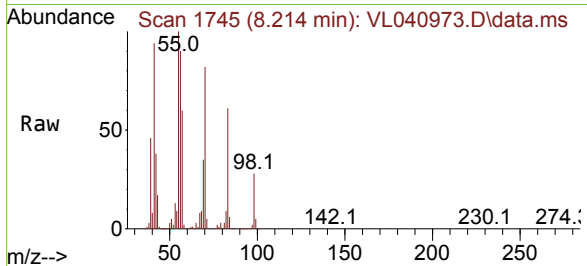




#50
4-Methyl-2-Pentanone
Concen: 0.975 ppbv
RT: 8.214 min Scan# 11
Delta R.T. 0.055 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

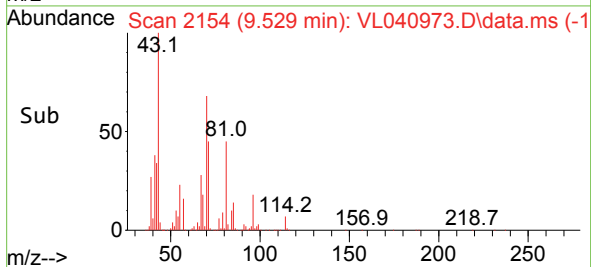
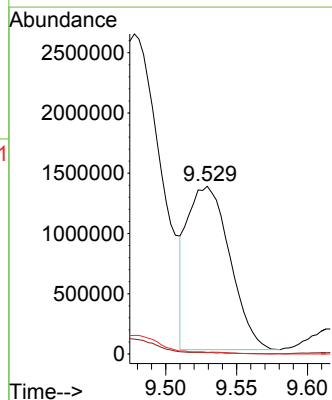
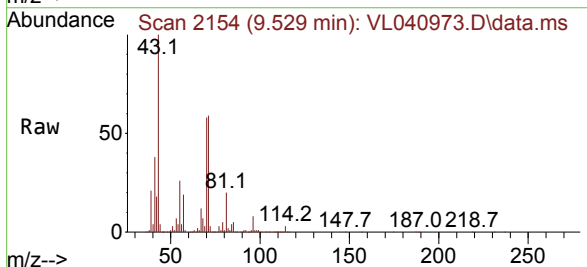
Instrument :
MSVOA_L
ClientSampleId :

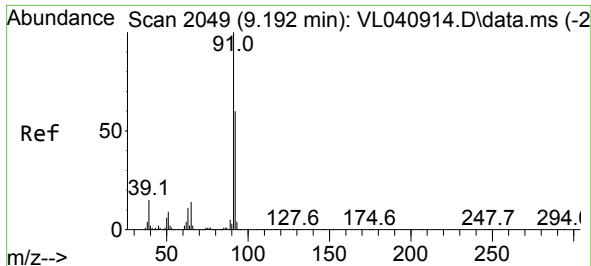
Tgt Ion: 43 Resp: 251134
Ion Ratio Lower Upper
43 100
58 33.0 27.4 41.0



#51
2-Hexanone
Concen: 15.185 ppbv
RT: 9.529 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 43 Resp: 2813863
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#
98 0.0 0.2 0.2#





#53

Toluene

Concen: 108.879 ppbv

RT: 9.237 min Scan# 2049

Delta R.T. 0.039 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

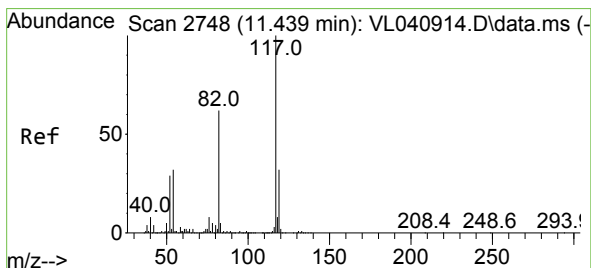
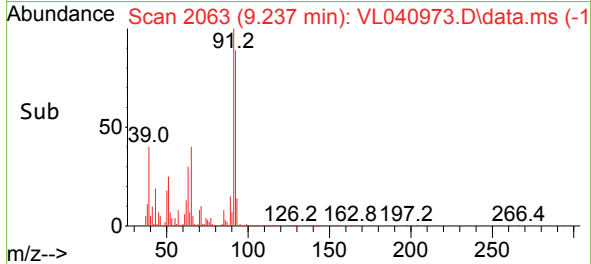
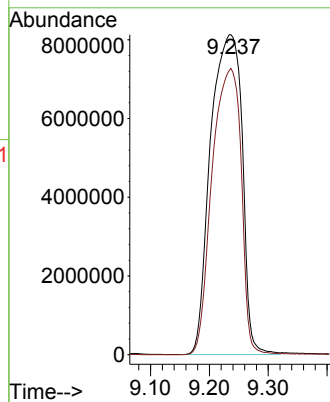
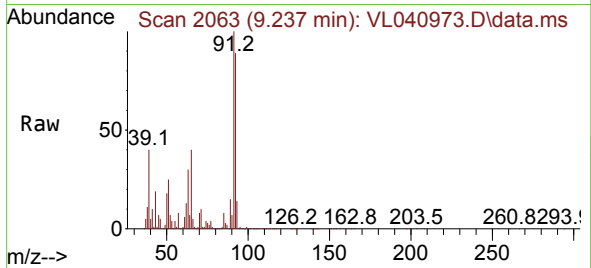
ClientSampleId :

Tgt Ion: 91 Resp:30328614

Ion Ratio Lower Upper

91 100

92 82.5 49.2 73.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. 0.013 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

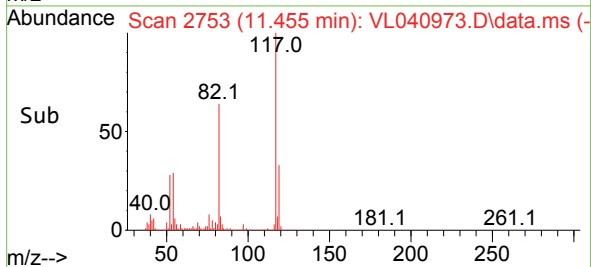
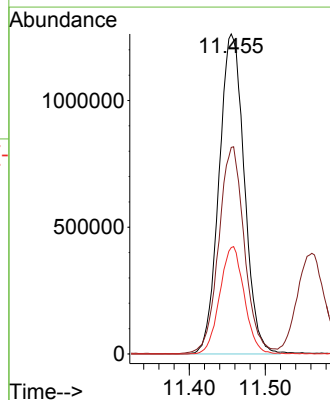
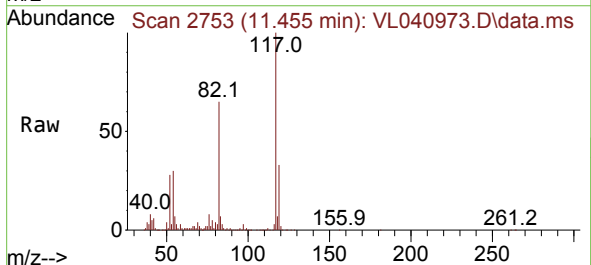
Tgt Ion:117 Resp: 2906699

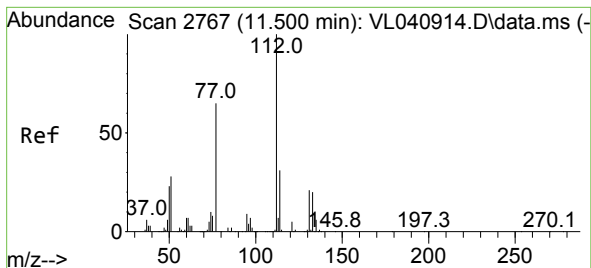
Ion Ratio Lower Upper

117 100

82 65.7 49.6 74.4

119 32.7 23.4 35.0





#57

Chlorobenzene

Concen: 0.063 ppbv

RT: 11.487 min Scan# 21

Delta R.T. -0.016 min

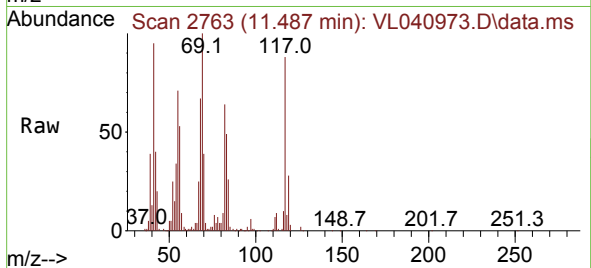
Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

ClientSampleId :



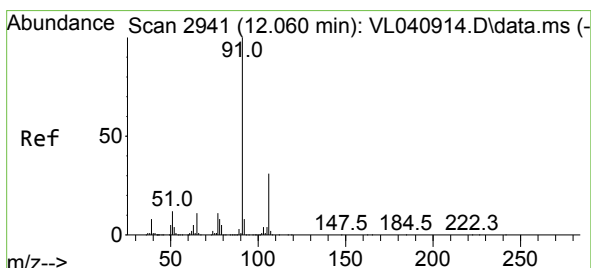
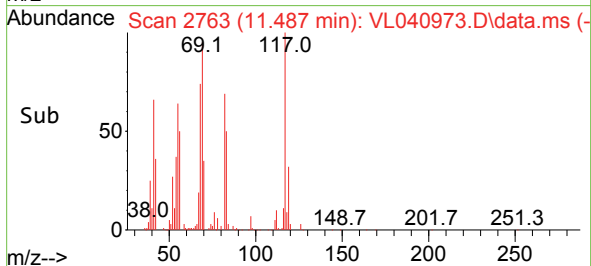
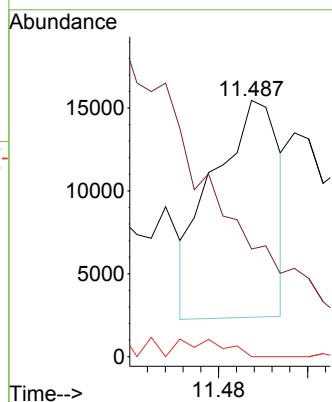
Tgt Ion:112 Resp: 13468

Ion Ratio Lower Upper

112 100

77 17.4 52.7 79.1#

114 0.0 28.4 34.7#



#58

Ethyl Benzene

Concen: 49.634 ppbv

RT: 12.082 min Scan# 2948

Delta R.T. 0.019 min

Lab File: VL040973.D

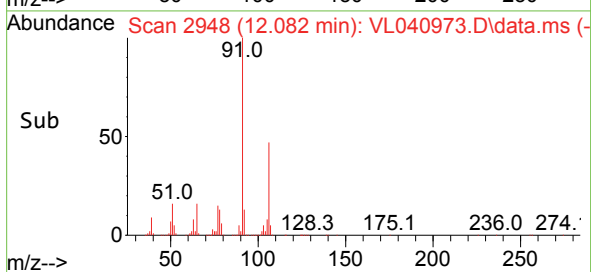
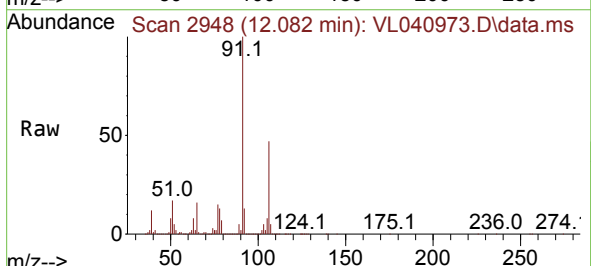
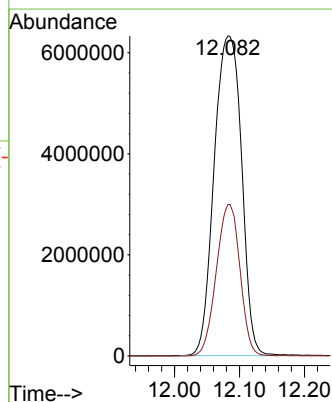
Acq: 15 Jan 2024 16:56

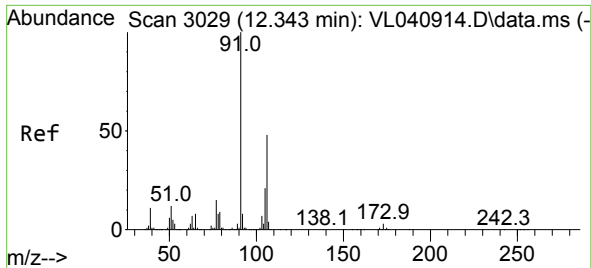
Tgt Ion: 91 Resp:18530434

Ion Ratio Lower Upper

91 100

106 47.4 24.9 37.3#

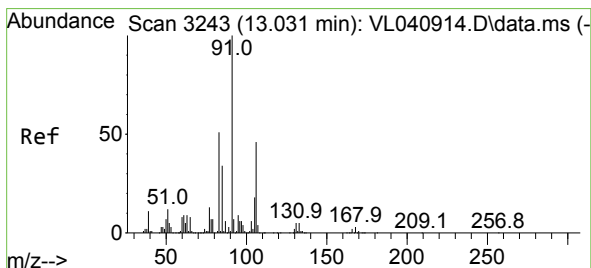
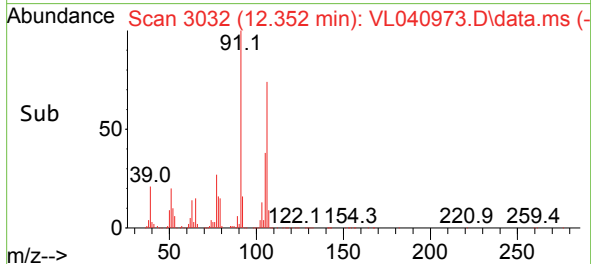
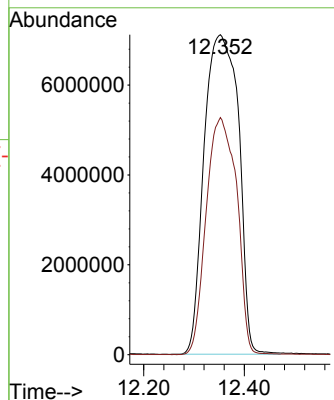
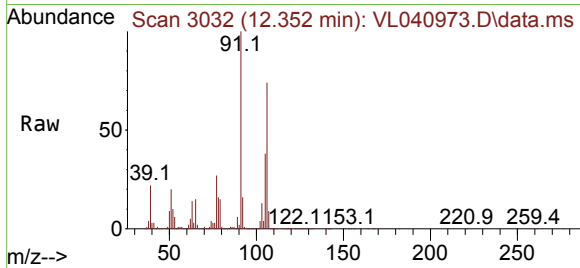




#59
m/p-Xylene
Concen: 106.610 ppbv
RT: 12.352 min Scan# 3029
Delta R.T. 0.003 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

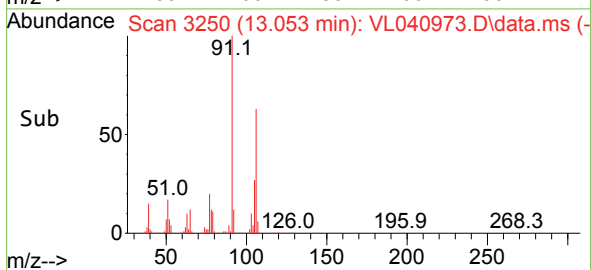
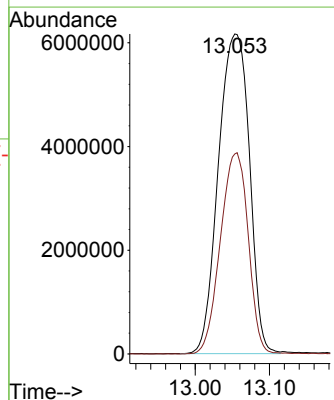
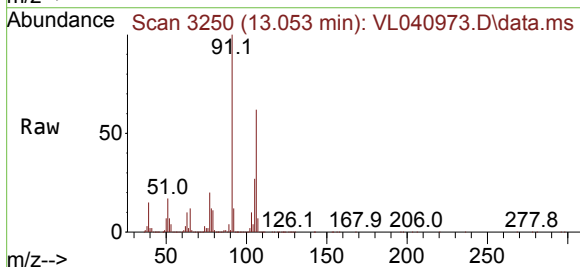
Instrument :
MSVOA_L
ClientSampleId :

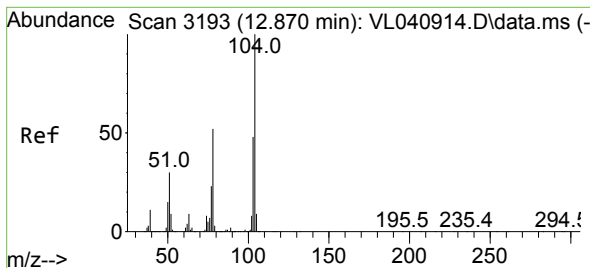
Tgt Ion: 91 Resp:33855511
Ion Ratio Lower Upper
91 100
106 65.8 0.0 0.0#



#60
o-Xylene
Concen: 59.814 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.019 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 91 Resp:17897273
Ion Ratio Lower Upper
91 100
106 56.8 22.6 67.7





#61

Styrene

Concen: 7.722 ppbv

RT: 12.889 min Scan# 3193

Delta R.T. 0.013 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

ClientSampleId :

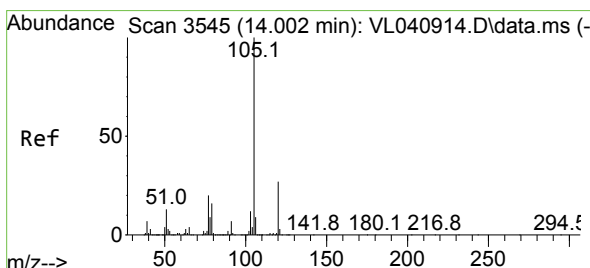
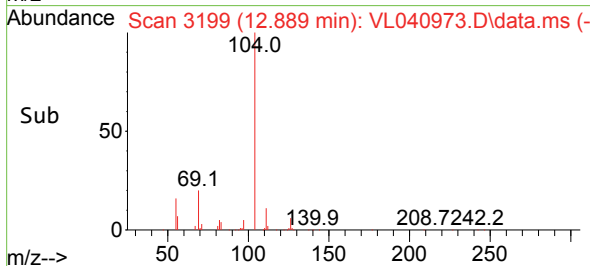
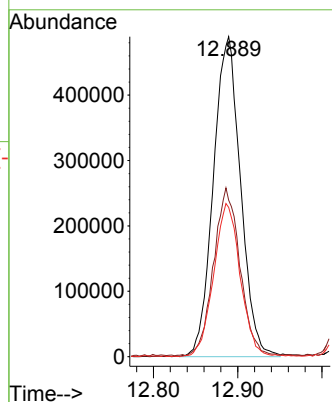
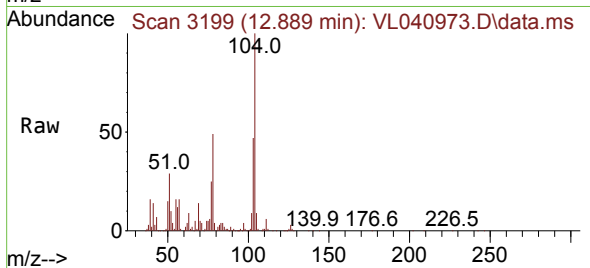
Tgt Ion:104 Resp: 1098379

Ion Ratio Lower Upper

104 100

78 51.0 43.0 64.4

103 46.8 37.6 56.4



#62

Isopropylbenzene

Concen: 13.196 ppbv

RT: 14.015 min Scan# 3549

Delta R.T. 0.010 min

Lab File: VL040973.D

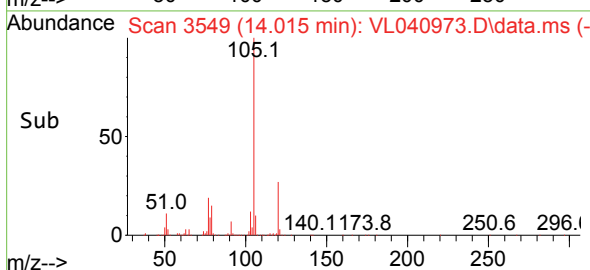
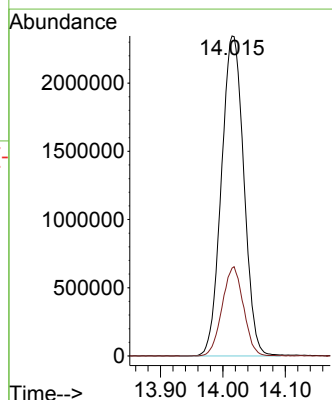
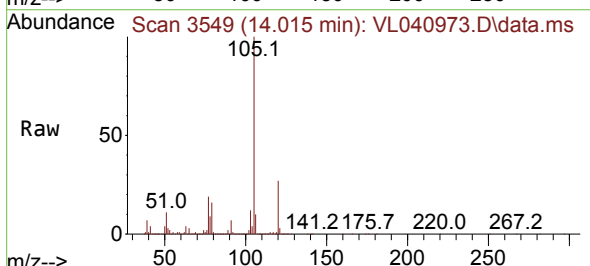
Acq: 15 Jan 2024 16:56

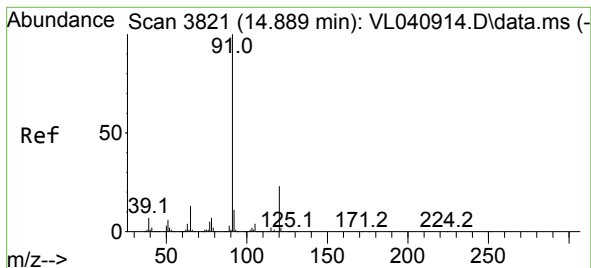
Tgt Ion:105 Resp: 5855023

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1





#64

n-propylbenzene

Concen: 13.670 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. 0.013 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

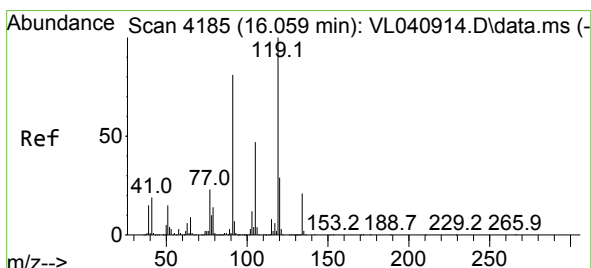
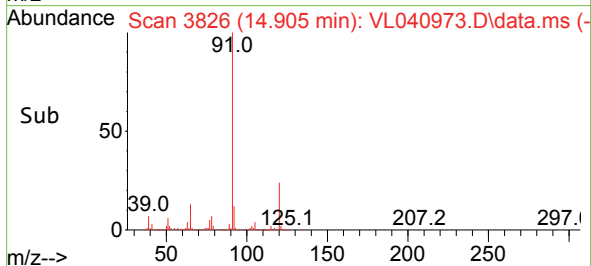
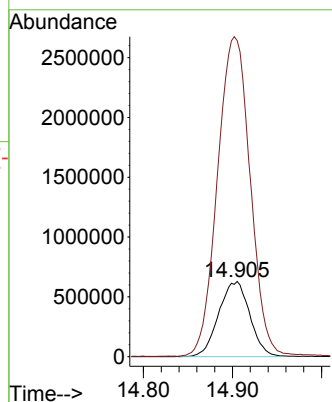
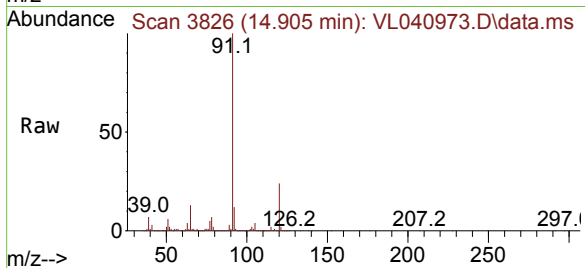
ClientSampleId :

Tgt Ion:120 Resp: 1521485

Ion Ratio Lower Upper

120 100

91 450.1 381.9 572.9



#65

tert-Butylbenzene

Concen: 6.225 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.032 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

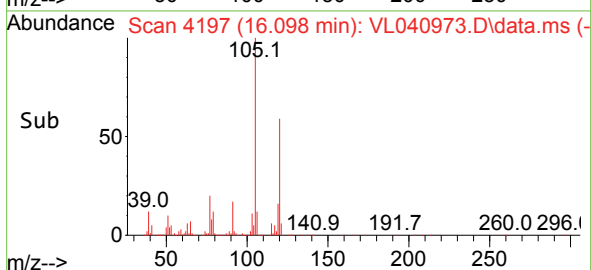
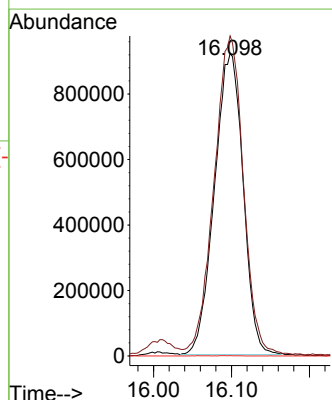
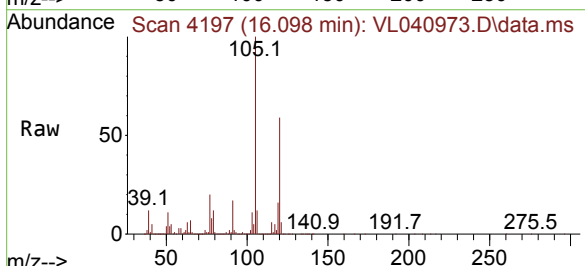
Tgt Ion:119 Resp: 2347982

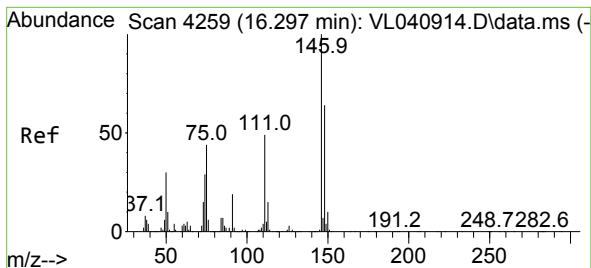
Ion Ratio Lower Upper

119 100

91 108.7 67.2 100.8#

134 0.1 15.8 23.6#

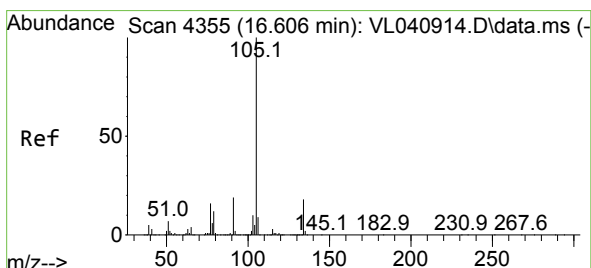
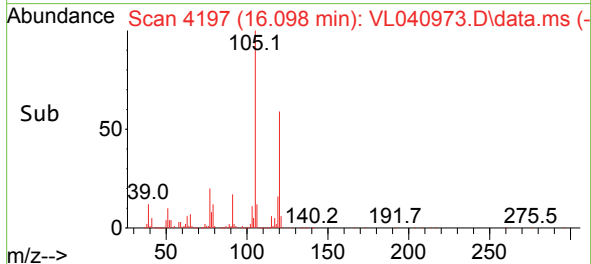
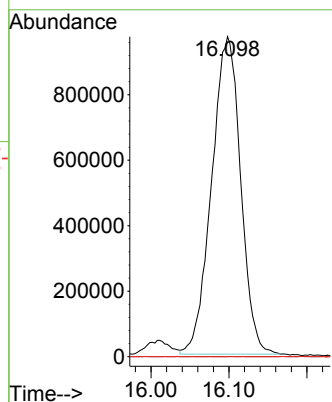
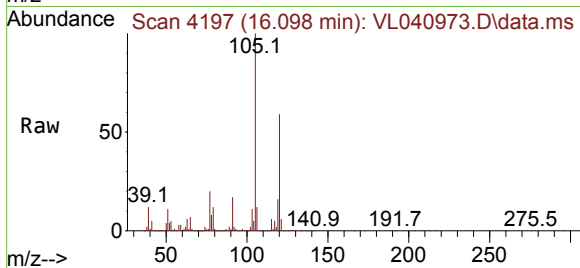




#66
Benzyl Chloride
Concen: 97.199 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. -0.199 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

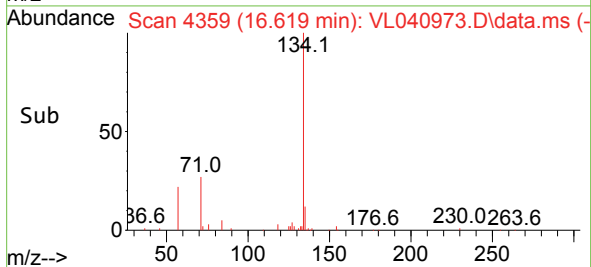
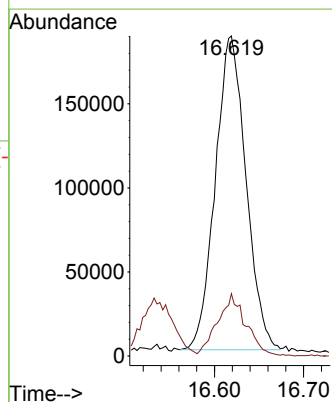
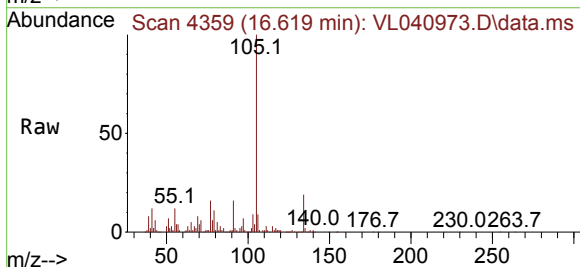
Instrument :
MSVOA_L
ClientSampleId :

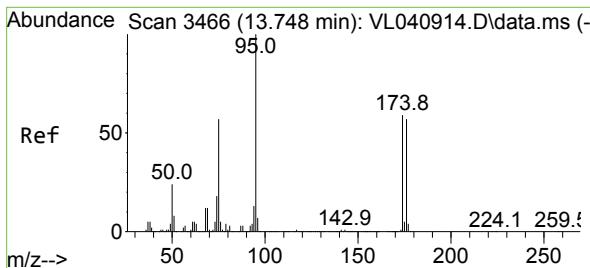
Tgt Ion: 91 Resp: 2508711
Ion Ratio Lower Upper
91 100
126 0.0 14.1 21.1#
128 0.0 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.814 ppbv
RT: 16.619 min Scan# 4359
Delta R.T. 0.006 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 105 Resp: 446377
Ion Ratio Lower Upper
105 100
134 18.2 14.4 21.6

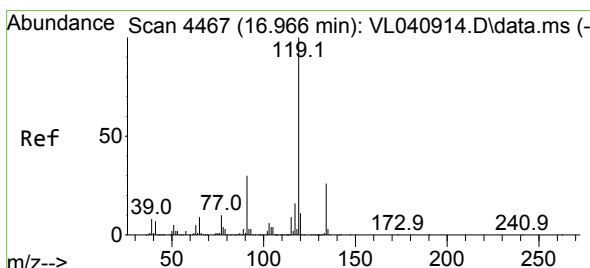
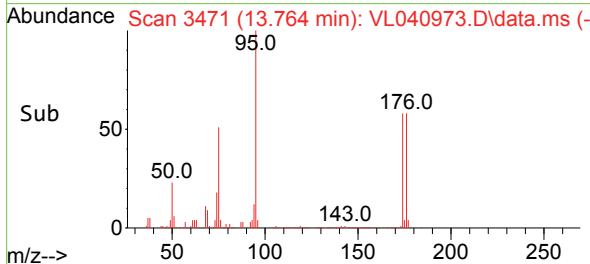
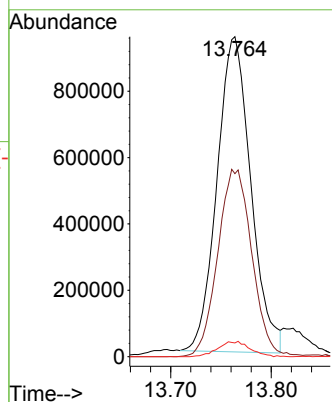
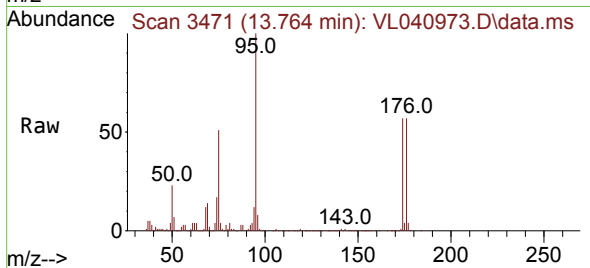




#68
1-Bromo-4-Fluorobenzene
Concen: 10.364 ppbv
RT: 13.764 min Scan# 3466
Delta R.T. 0.010 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

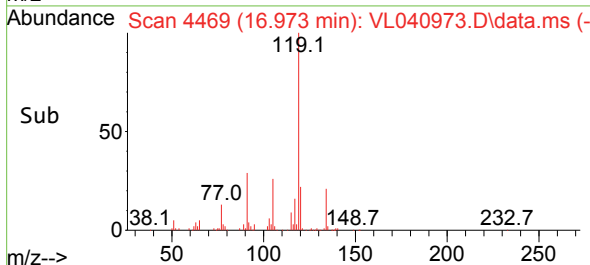
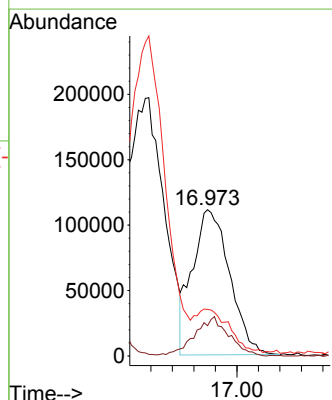
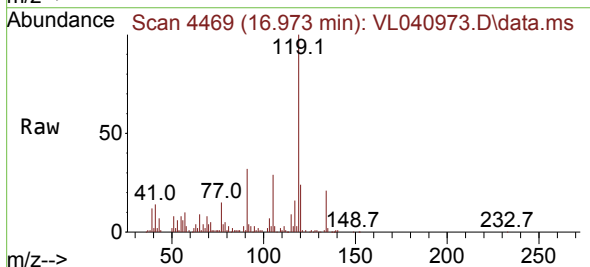
Instrument :
MSVOA_L
ClientSampleId :

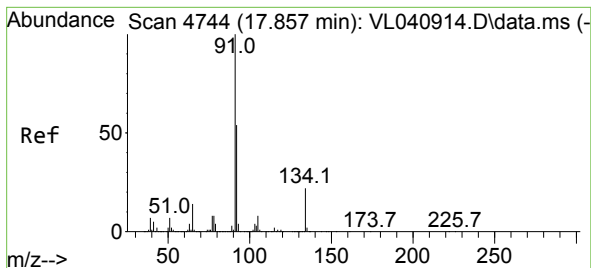
Tgt Ion: 95 Resp: 2218863
Ion Ratio Lower Upper
95 100
174 60.9 48.0 72.0
175 4.6 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.629 ppbv
RT: 16.973 min Scan# 4469
Delta R.T. 0.003 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 119 Resp: 268030
Ion Ratio Lower Upper
119 100
134 25.0 20.3 30.5
91 0.0 24.1 36.1#

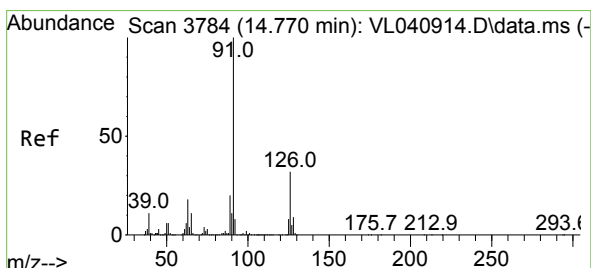
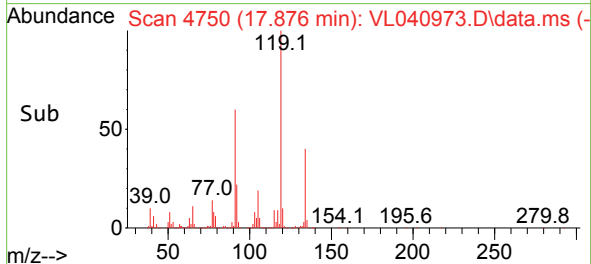
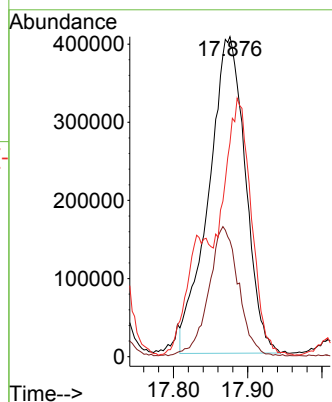
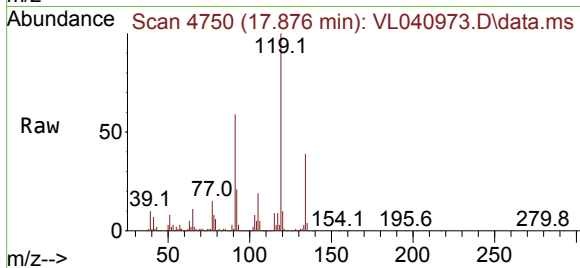




#70
n-Butylbenzene
Concen: 3.151 ppbv
RT: 17.876 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

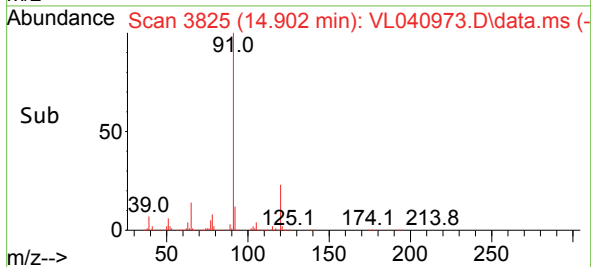
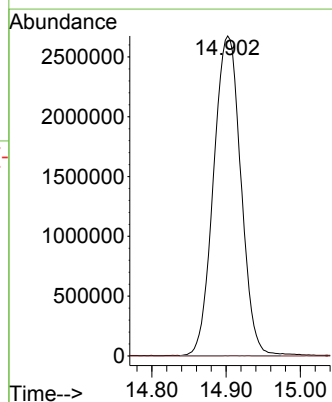
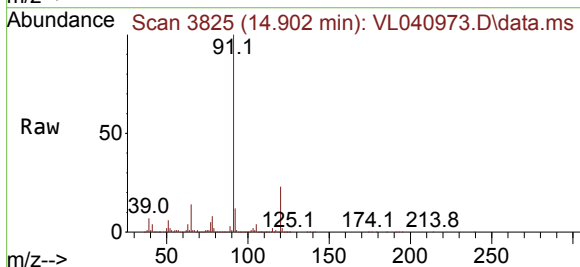
Instrument :
MSVOA_L
ClientSampleId :

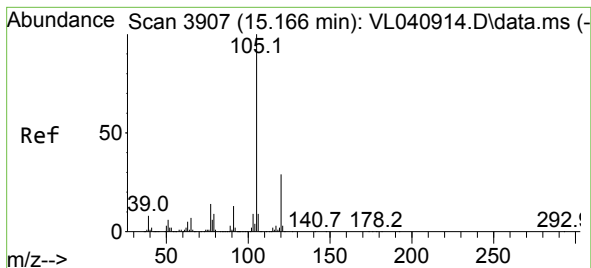
Tgt Ion: 91 Resp: 1393753
Ion Ratio Lower Upper
91 100
92 33.2 43.4 65.0#
134 89.6 17.6 26.4#



#71
2-Chlorotoluene
Concen: 19.931 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. 0.125 min
Lab File: VL040973.D
Acq: 15 Jan 2024 16:56

Tgt Ion: 91 Resp: 6810618
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.6#





#72

4-Ethyltoluene

Concen: 22.590 ppbv

RT: 15.179 min Scan# 3911

Delta R.T. 0.010 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 7418373

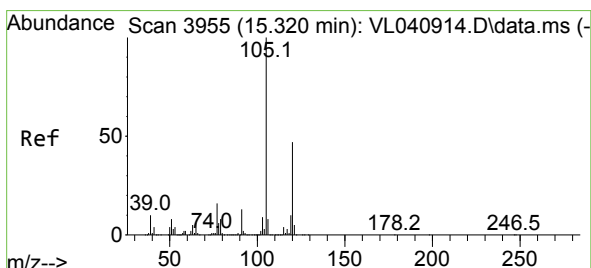
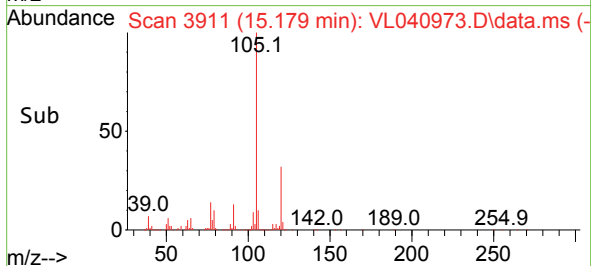
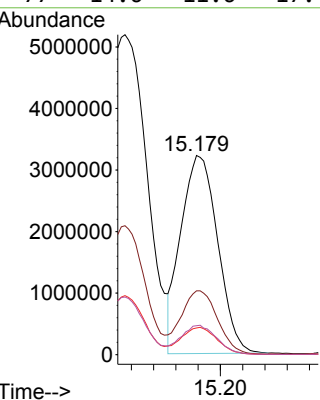
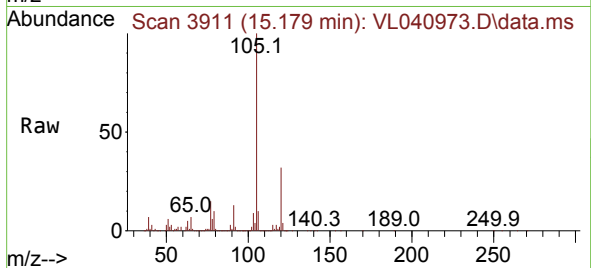
Ion Ratio Lower Upper

105 100

120 32.9 23.8 35.8

91 13.6 10.9 16.3

77 14.6 11.6 17.4



#73

1,3,5-Trimethylbenzene

Concen: 22.581 ppbv

RT: 15.336 min Scan# 3960

Delta R.T. 0.006 min

Lab File: VL040973.D

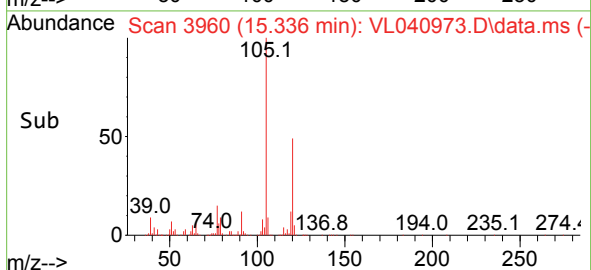
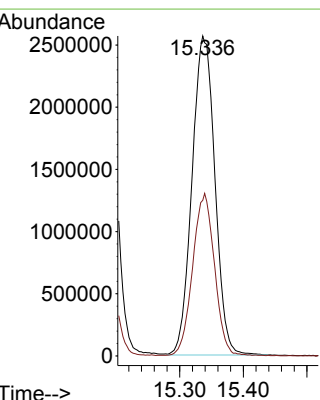
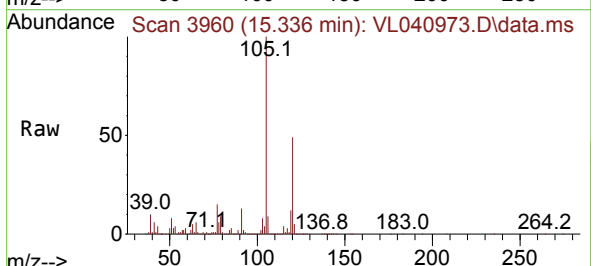
Acq: 15 Jan 2024 16:56

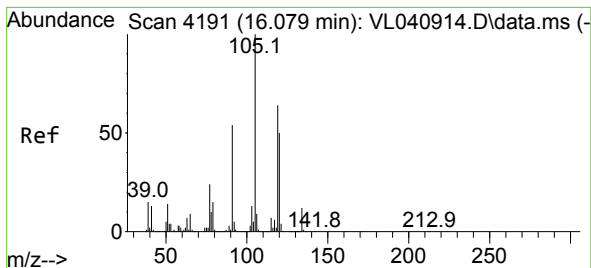
Tgt Ion:105 Resp: 6400411

Ion Ratio Lower Upper

105 100

120 48.6 37.8 56.8





#74

1,2,4-Trimethylbenzene

Concen: 53.348 ppbv

RT: 16.098 min Scan# 4191

Delta R.T. 0.013 min

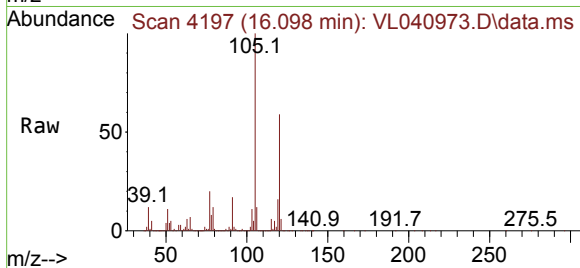
Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp:16828232

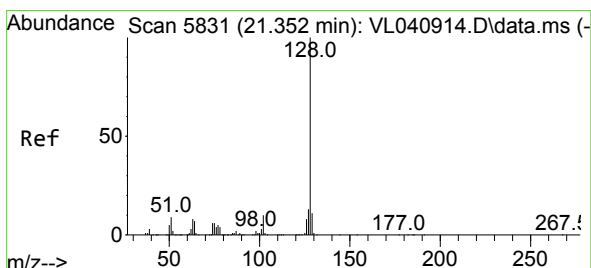
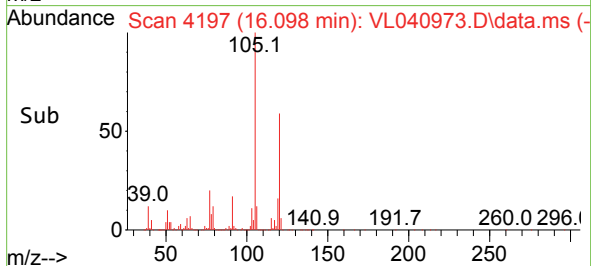
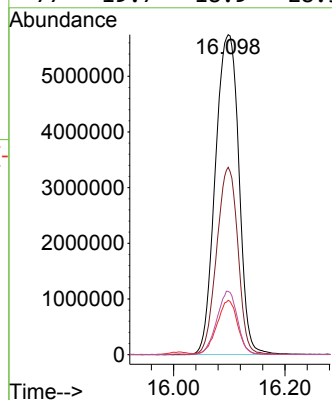
Ion Ratio Lower Upper

105 100

120 58.5 40.2 60.4

91 16.9 43.0 64.6#

77 19.7 18.9 28.3



#79

Naphthalene

Concen: 4.990 ppbv

RT: 21.365 min Scan# 5835

Delta R.T. 0.006 min

Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

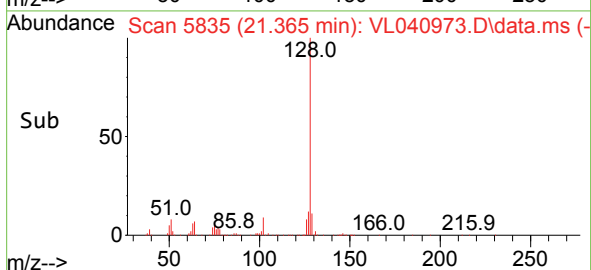
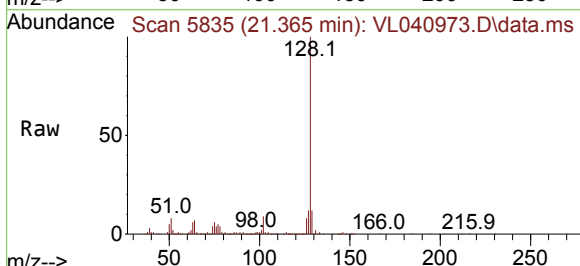
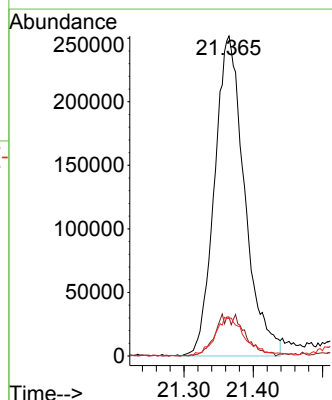
Tgt Ion:128 Resp: 758391

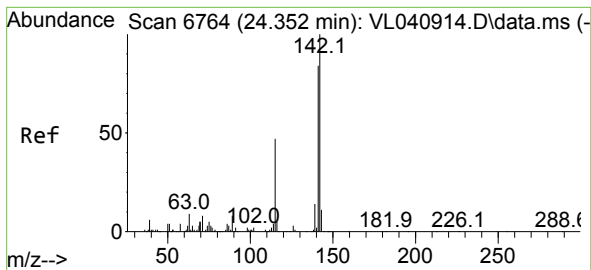
Ion Ratio Lower Upper

128 100

127 12.2 10.6 15.8

129 11.6 8.7 13.1





#80

Naphthalene, 2-methyl-

Concen: 0.072 ppbv

RT: 24.779 min Scan# 6897

Delta R.T. 0.424 min

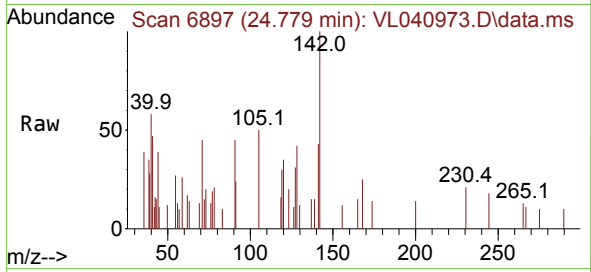
Lab File: VL040973.D

Acq: 15 Jan 2024 16:56

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 142 Resp: 2001

Ion Ratio Lower Upper

142 100

141 102.4 68.5 102.7

115 48.7 34.5 51.7

