

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041391.D
 Acq On : 22 Jul 2024 18:21
 Operator : SY/MD
 Sample : P3259-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 03:17:53 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	5.208	49	1005951	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2597817	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2336842	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1871335	10.684	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	100355	0.585	ppbv	95
3) Chlorodifluoromethane	2.684	51	154785	0.892	ppbv #	63
4) Chloromethane	2.841	50	5644	0.085	ppbv	100
8) Dichlorotetrafluoroethane	2.886	85	5373	0.032	ppbv	90
9) Propene	2.735	41	10438	0.174	ppbv #	1
10) Heptane	7.590	43	51156	0.363	ppbv	97
11) Trichlorofluoromethane	3.587	101	18828	0.113	ppbv	98
13) Ethanol	3.285	45	10396	0.781	ppbv #	41
15) Acetone	3.491	43	6712890	50.527	ppbv	93
16) 1,3-Butadiene	3.034	39	4379	0.069	ppbv	92
17) tert-Butyl alcohol	3.922	59	9591	0.094	ppbv #	59
19) Isopropyl Alcohol	3.616	45	14168	0.194	ppbv #	94
20) Methylene Chloride	3.957	84	609888	12.651	ppbv	96
23) Vinyl Acetate	4.635	43	6701	0.051	ppbv #	83
25) Ethyl Acetate	5.227	43	637509	2.606	ppbv #	84
26) Hexane	5.230	57	725856	6.701	ppbv #	48
30) Cyclohexane	6.613	84	3655	0.042	ppbv #	26
32) 1,1,1-Trichloroethane	6.018	97	76417	0.436	ppbv	96
34) 2-Butanone	4.809	43	349439	2.549	ppbv	96
36) Benzene	6.385	78	19636	0.091	ppbv #	87
39) 1,2-Dichloropropane	6.664	63	658629	7.927	ppbv #	23
41) Tetrahydrofuran	5.594	42	9257	0.109	ppbv #	32
44) 2,2,4-Trimethylpentane	7.333	57	24372	0.067	ppbv #	19
50) 4-Methyl-2-Pentanone	8.198	43	11725	0.053	ppbv #	70
51) 2-Hexanone	9.561	43	459721	2.938	ppbv #	86
52) Tetrachloroethene	10.619	164	43462	0.503	ppbv	93
53) Toluene	9.224	91	415756	1.715	ppbv	99
57) Chlorobenzene	11.529	112	82877	0.452	ppbv #	35
58) Ethyl Benzene	12.089	91	163193	0.522	ppbv	97
59) m/p-Xylene	12.343	91	563720	2.083	ppbv	95
60) o-Xylene	13.056	91	302053	1.183	ppbv	92
61) Styrene	12.892	104	4044	0.033	ppbv #	10
62) Isopropylbenzene	14.034	105	91405	0.232	ppbv #	75
63) 1,1,2,2-Tetrachloroethane	13.034	83	157622	0.783	ppbv #	56
64) n-propylbenzene	14.921	120	42447	0.412	ppbv #	1
65) tert-Butylbenzene	16.108	119	50595	0.144	ppbv #	1
66) Benzyl Chloride	16.326	91	1572	0.068	ppbv #	63
67) sec-Butylbenzene	16.638	105	188236	0.379	ppbv	99
69) p-Isopropyltoluene	16.995	119	21071	0.051	ppbv #	1
71) 2-Chlorotoluene	14.915	91	289465	0.988	ppbv	68
72) 4-Ethyltoluene	15.195	105	210304	0.691	ppbv #	83
73) 1,3,5-Trimethylbenzene	15.359	105	331195	1.272	ppbv	97
74) 1,2,4-Trimethylbenzene	16.111	105	626491	2.136	ppbv #	70

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Instrument :
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Quant Time: Jul 23 03:17:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

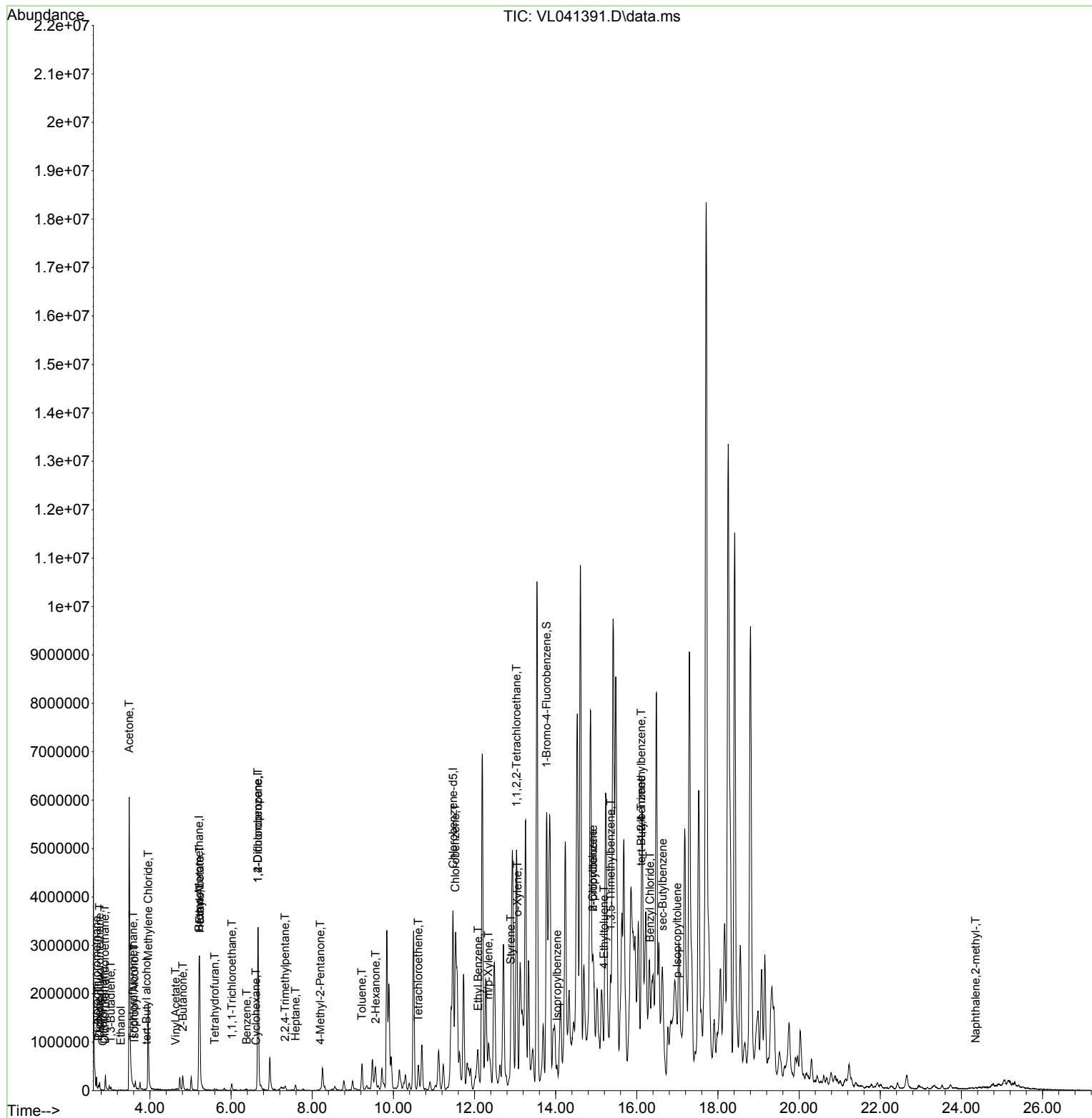
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.349	142	140	0.337	ppbv	# 71

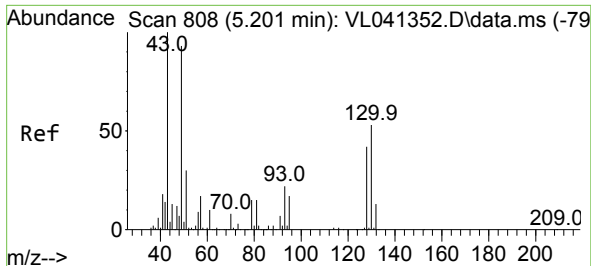
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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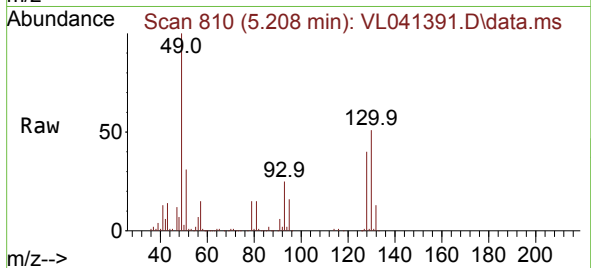
Quant Time: Jul 23 03:17:53 2024
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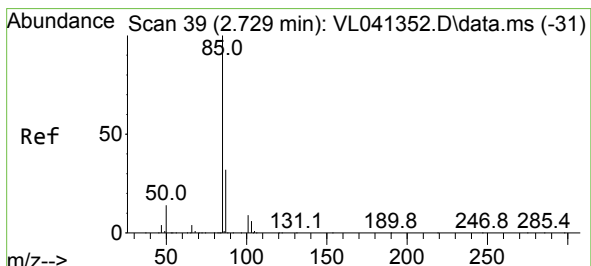
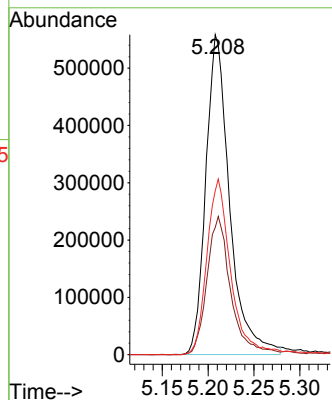
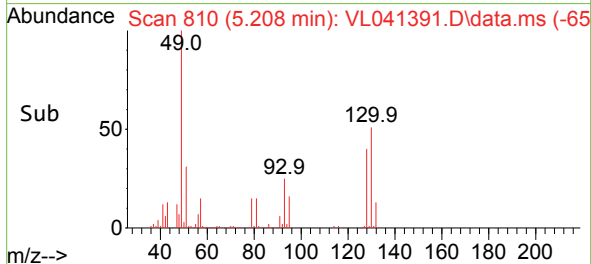


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

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MSVOA_L
ClientSampleId :

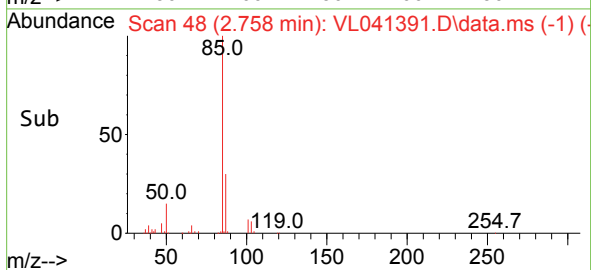
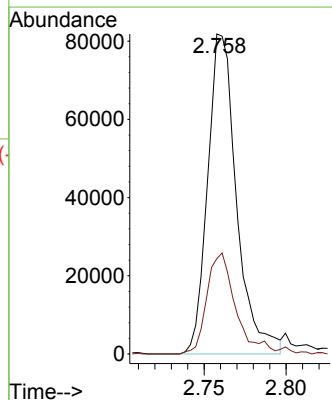
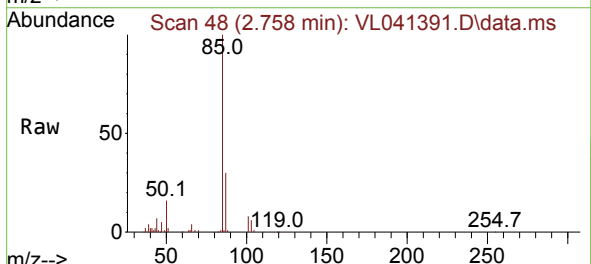


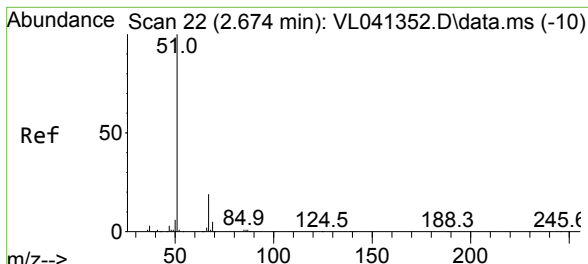
Tgt Ion: 49 Resp: 1005951
Ion Ratio Lower Upper
49 100
128 44.5 22.8 68.3
130 56.6 28.9 86.7



#2
Dichlorodifluoromethane
Concen: 0.585 ppbv
RT: 2.758 min Scan# 48
Delta R.T. -0.016 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 85 Resp: 100355
Ion Ratio Lower Upper
85 100
87 29.8 25.9 38.9

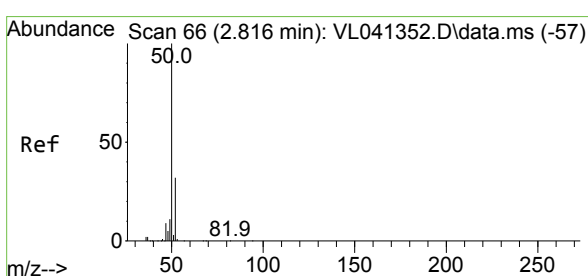
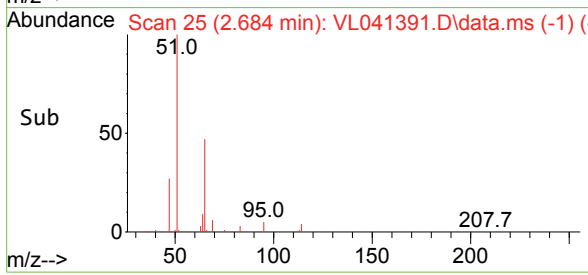
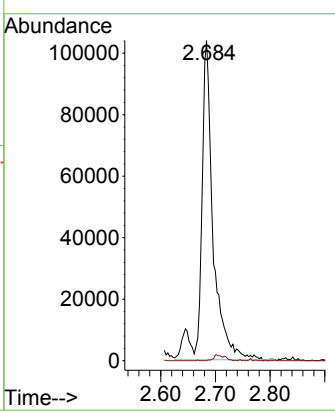
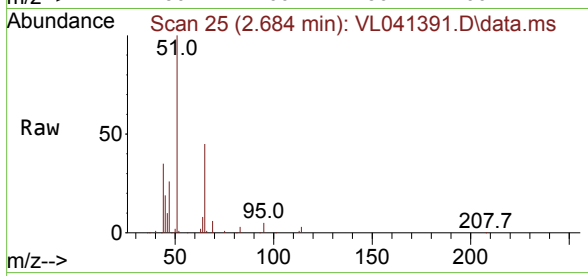




#3
 Chlorodifluoromethane
 Concen: 0.892 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

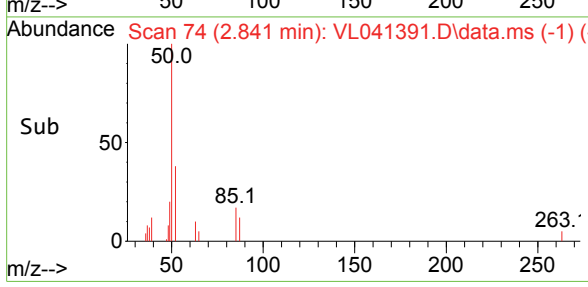
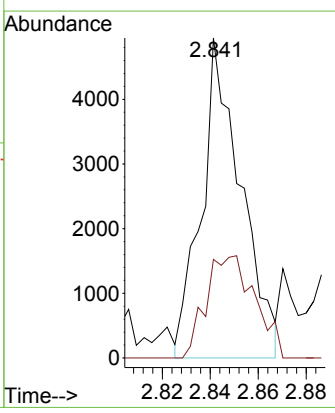
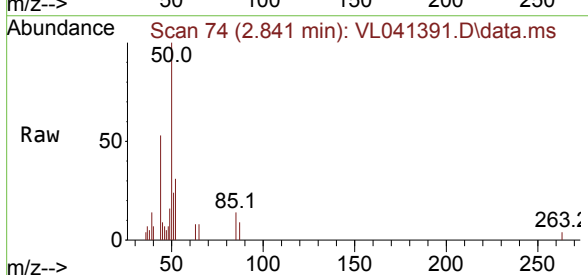
Instrument :
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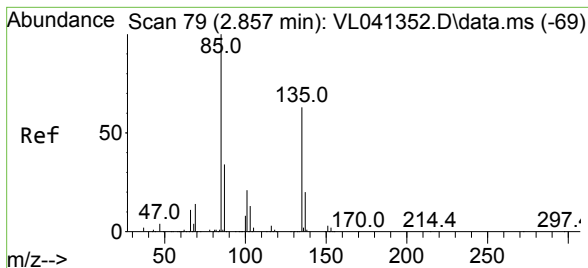
Tgt Ion: 51 Resp: 154785
 Ion Ratio Lower Upper
 51 100
 67 1.7 14.3 21.5#



#4
 Chloromethane
 Concen: 0.085 ppbv
 RT: 2.841 min Scan# 74
 Delta R.T. -0.013 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

Tgt Ion: 50 Resp: 5644
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.6 38.4

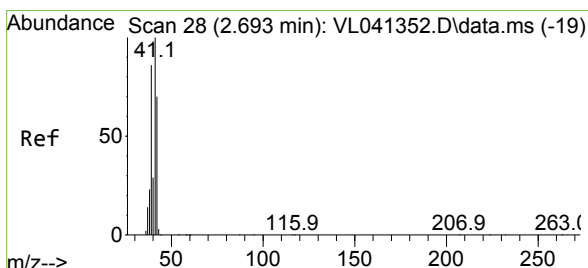
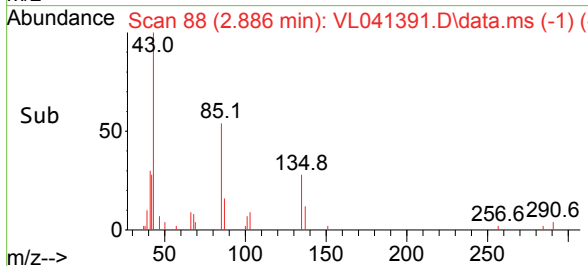
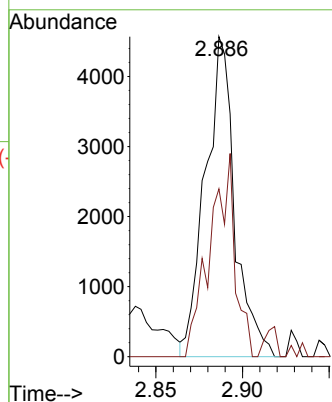
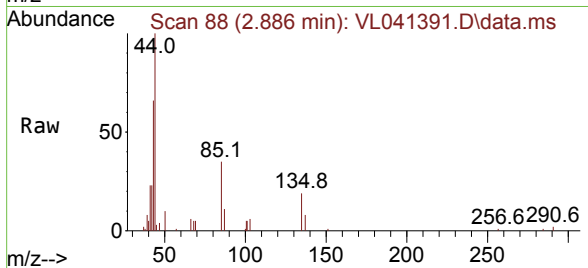




#8
Dichlorotetrafluoroethane
Concen: 0.032 ppbv
RT: 2.886 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

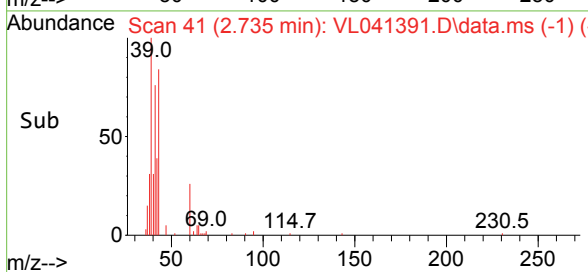
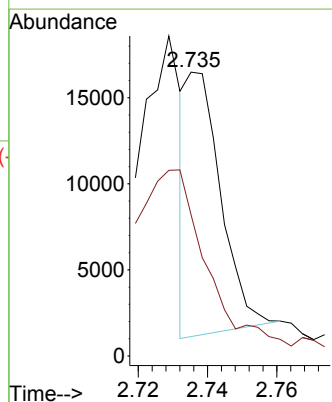
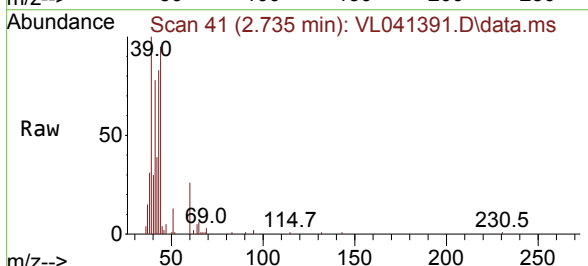
Instrument :
MSVOA_L
ClientSampleId :

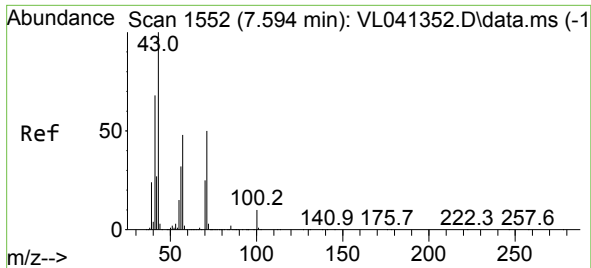
Tgt Ion: 85 Resp: 5373
Ion Ratio Lower Upper
85 100
135 59.0 53.7 80.5



#9
Propene
Concen: 0.174 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 41 Resp: 10438
Ion Ratio Lower Upper
41 100
42 170.3 55.8 83.8

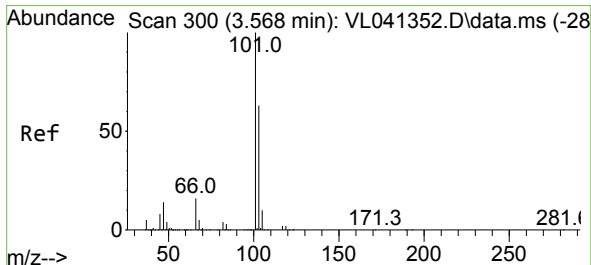
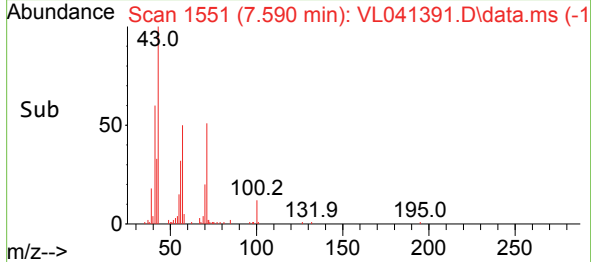
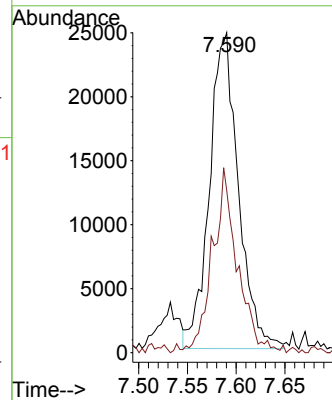
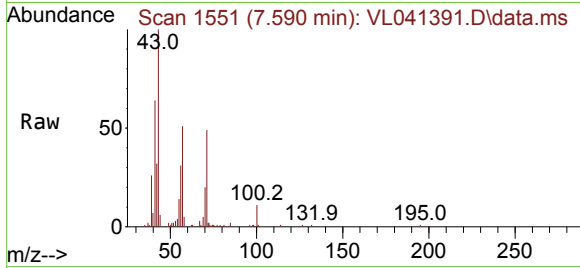




#10
 Heptane
 Concen: 0.363 ppbv
 RT: 7.590 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

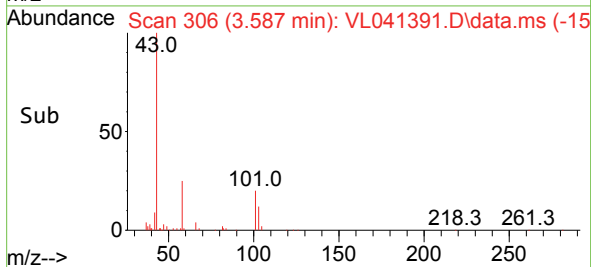
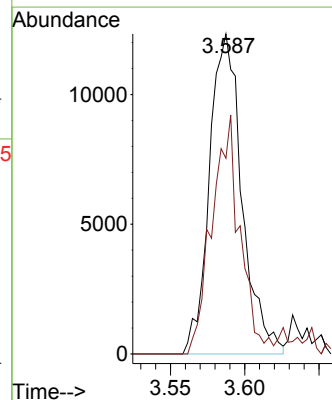
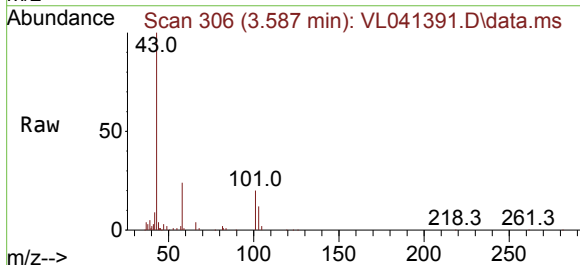
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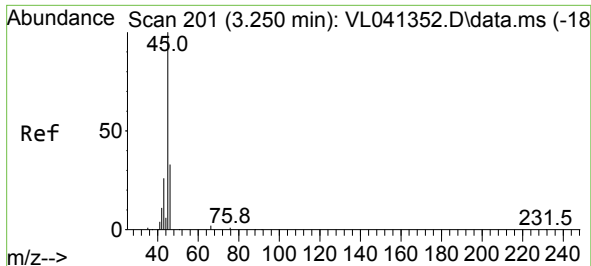
Tgt Ion: 43 Resp: 51156
 Ion Ratio Lower Upper
 43 100
 57 52.5 40.3 60.5



#11
 Trichlorofluoromethane
 Concen: 0.113 ppbv
 RT: 3.587 min Scan# 306
 Delta R.T. -0.006 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

Tgt Ion:101 Resp: 18828
 Ion Ratio Lower Upper
 101 100
 103 61.2 50.5 75.7

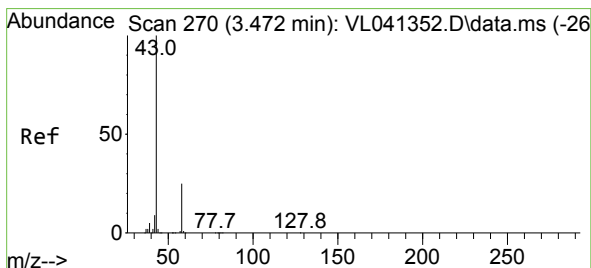
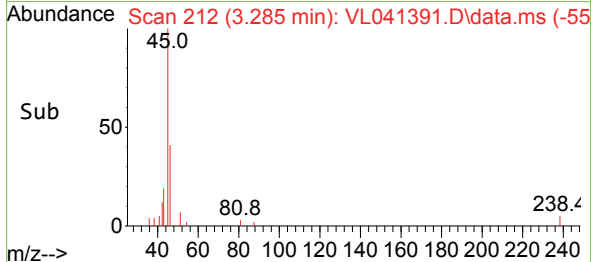
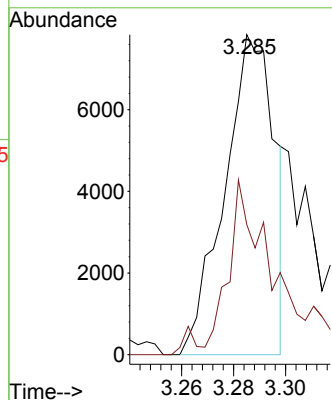
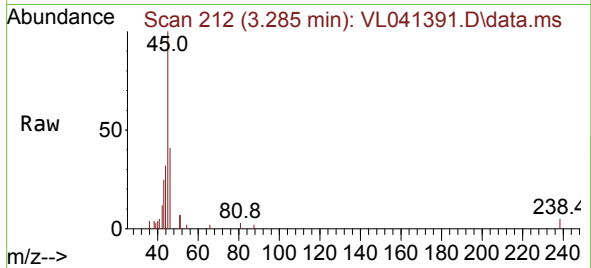




#13
Ethanol
Concen: 0.781 ppbv
RT: 3.285 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

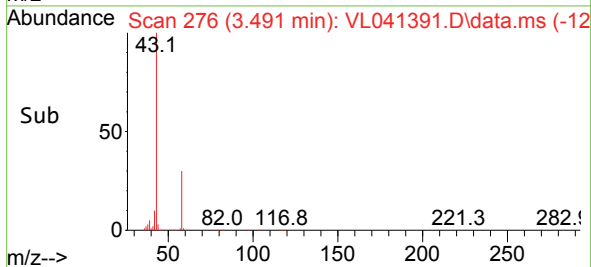
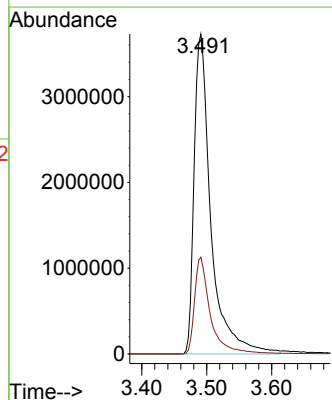
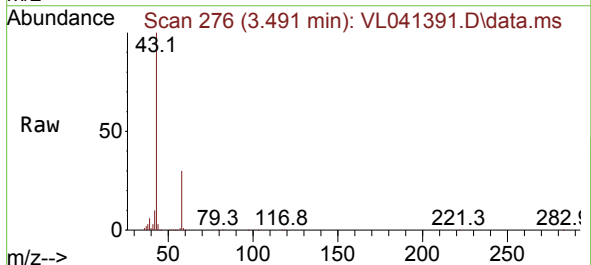
Instrument :
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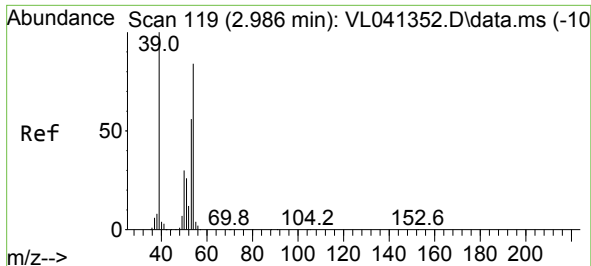
Tgt Ion: 45 Resp: 10396
Ion Ratio Lower Upper
45 100
46 66.8 13.3 53.3#



#15
Acetone
Concen: 50.527 ppbv
RT: 3.491 min Scan# 276
Delta R.T. -0.010 min
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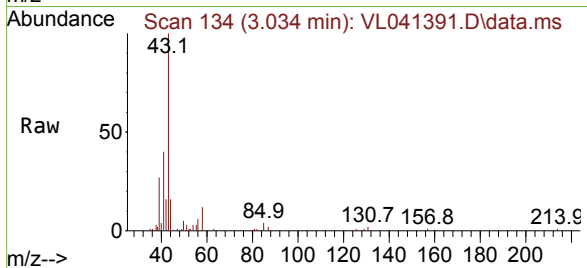
Tgt Ion: 43 Resp: 6712890
Ion Ratio Lower Upper
43 100
58 28.8 20.3 30.5



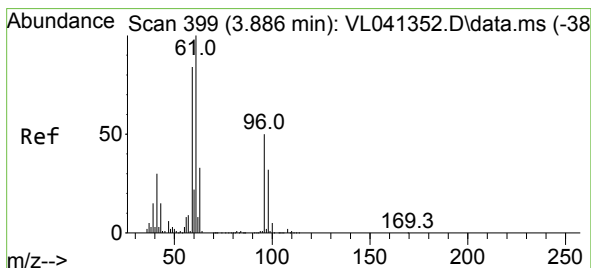
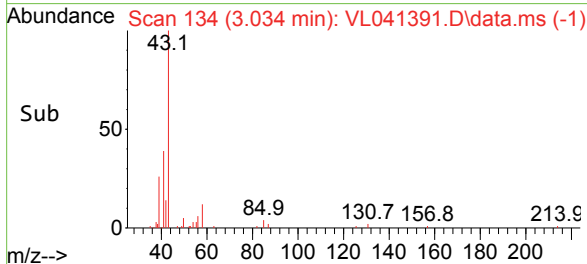
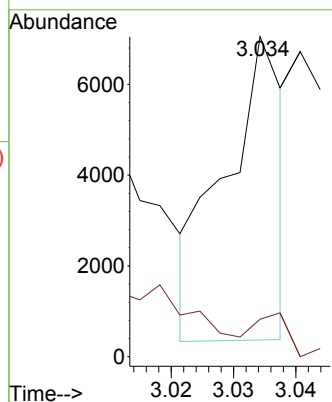


#16
1,3-Butadiene
Concen: 0.069 ppbv
RT: 3.034 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041391.D
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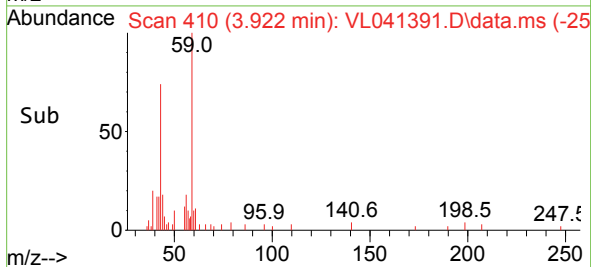
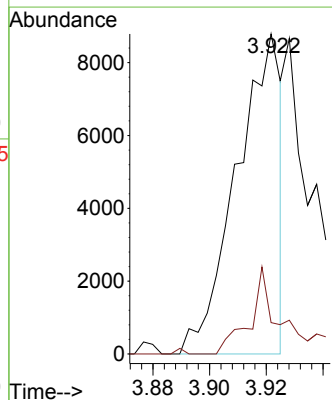
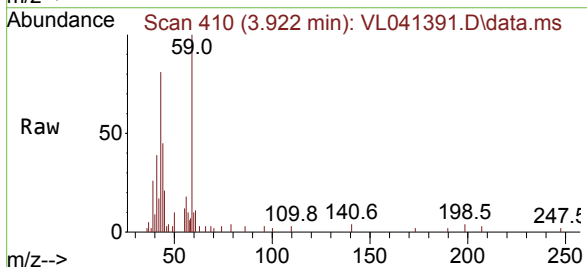


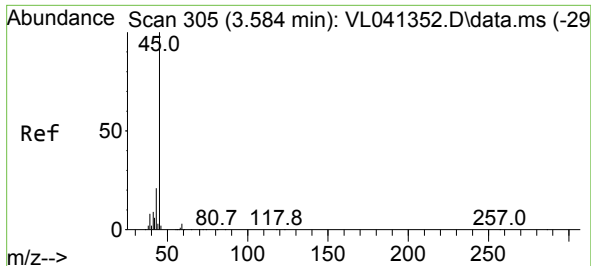
Tgt Ion: 39 Resp: 4379
Ion Ratio Lower Upper
39 100
54 68.7 60.5 90.7



#17
tert-Butyl alcohol
Concen: 0.094 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.013 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 59 Resp: 9591
Ion Ratio Lower Upper
59 100
57 25.8 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 0.194 ppbv

RT: 3.616 min Scan# 315

Delta R.T. 0.007 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

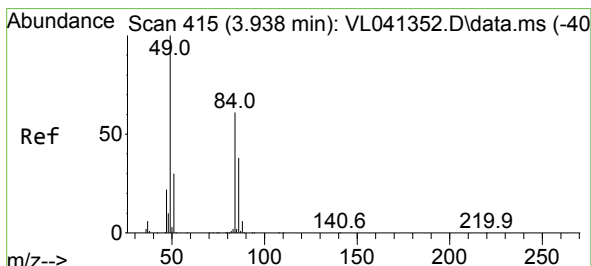
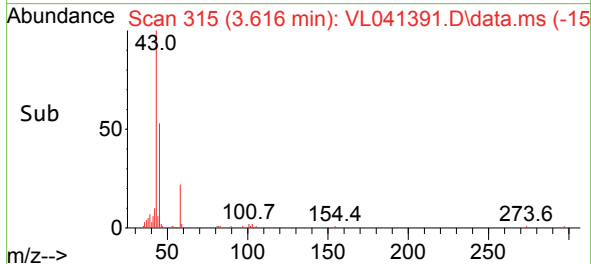
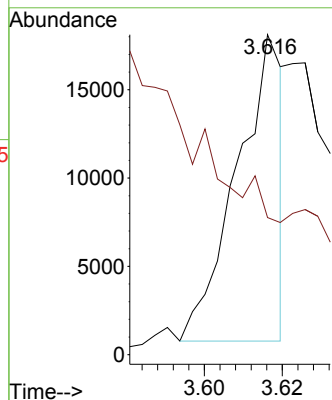
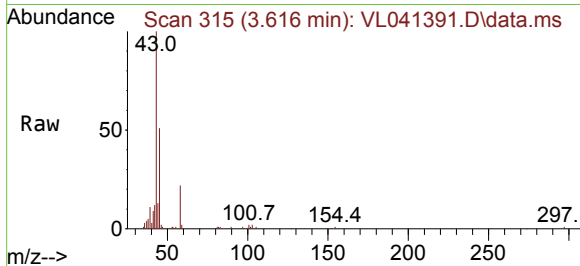
ClientSampleId :

Tgt Ion: 45 Resp: 14168

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



#20

Methylene Chloride

Concen: 12.651 ppbv

RT: 3.957 min Scan# 421

Delta R.T. -0.006 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Tgt Ion: 84 Resp: 609888

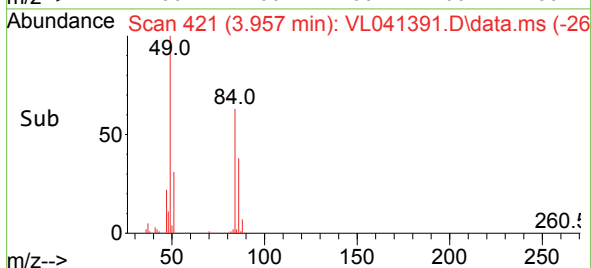
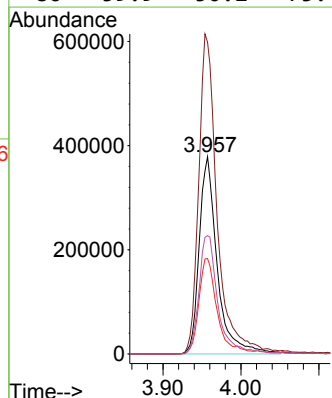
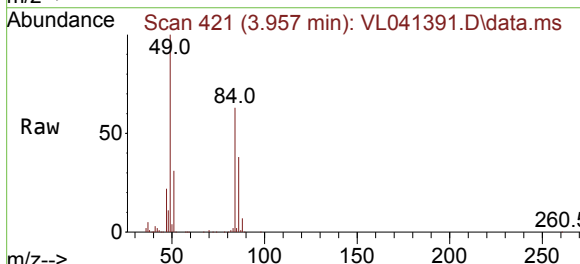
Ion Ratio Lower Upper

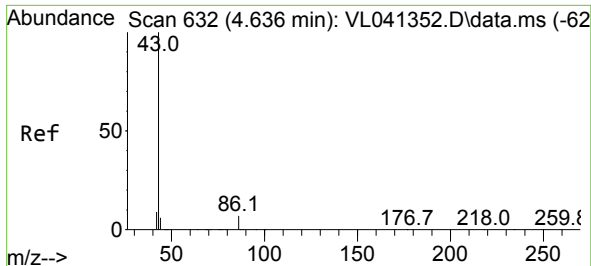
84 100

49 157.9 131.8 197.6

51 48.4 39.6 59.4

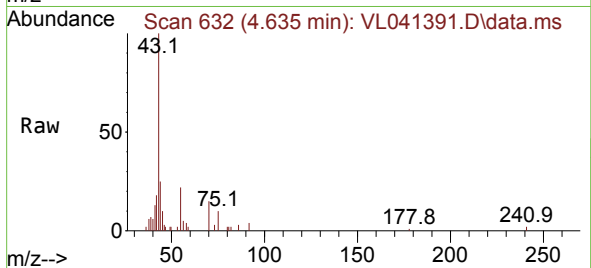
86 59.9 50.2 75.4



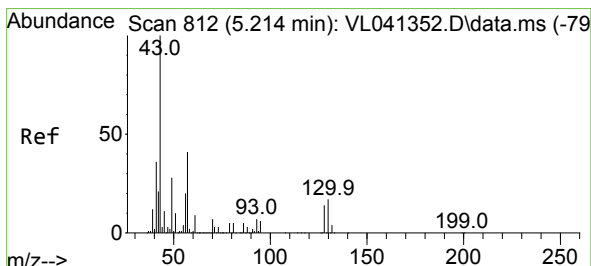
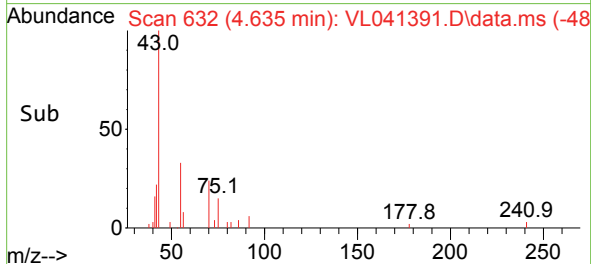
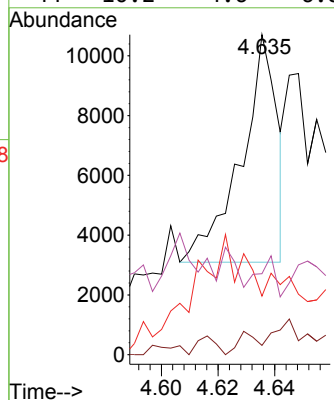


#23
 Vinyl Acetate
 Concen: 0.051 ppbv
 RT: 4.635 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

Instrument :
 MSVOA_L
 ClientSampleId :

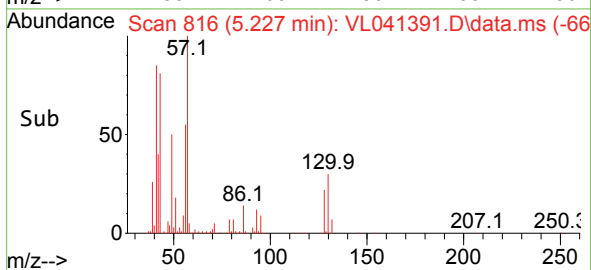
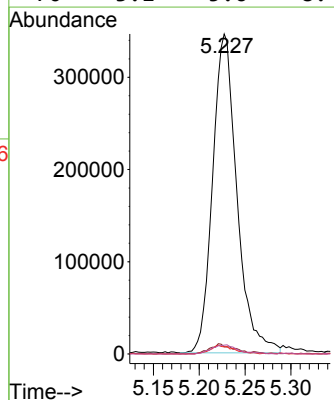
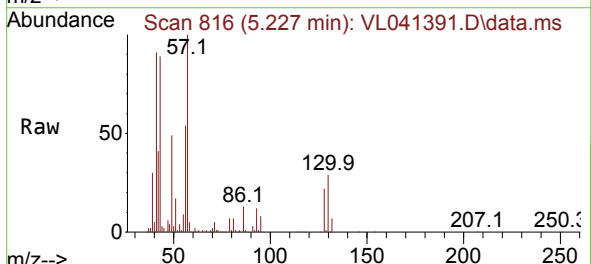


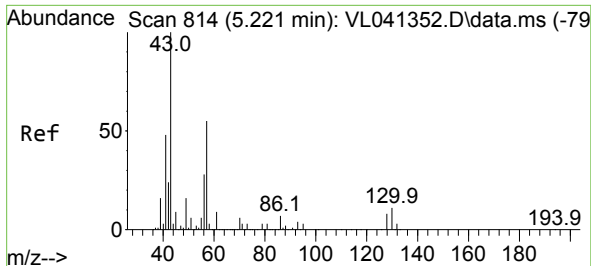
Tgt Ion:	43	Resp:	6701
Ion	Ratio	Lower	Upper
43	100		
86	0.1	5.0	7.4#
42	3.2	7.9	11.9#
44	10.2	4.6	6.8#



#25
 Ethyl Acetate
 Concen: 2.606 ppbv
 RT: 5.227 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

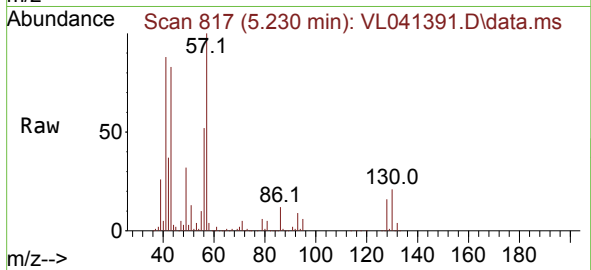
Tgt Ion:	43	Resp:	637509
Ion	Ratio	Lower	Upper
43	100		
45	3.6	8.3	12.5#
61	2.8	7.7	11.5#
70	3.1	5.6	8.4#



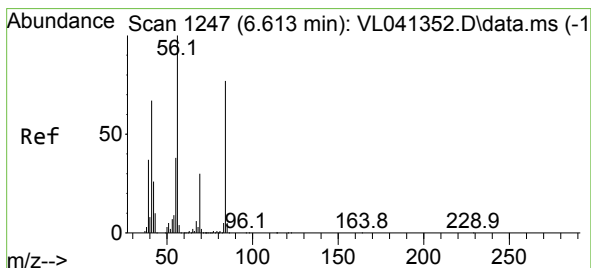
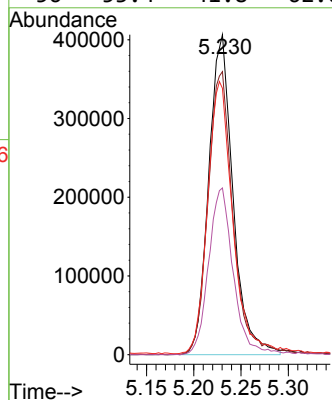
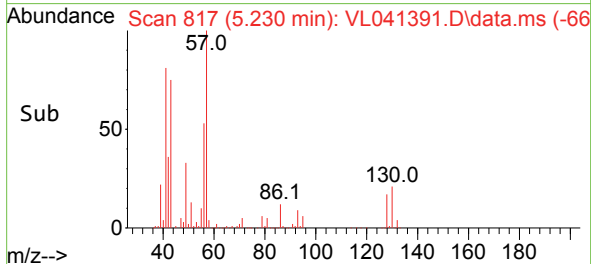


#26
Hexane
Concen: 6.701 ppbv
RT: 5.230 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Instrument :
MSVOA_L
ClientSampleId :

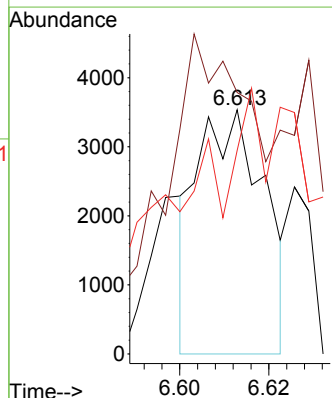
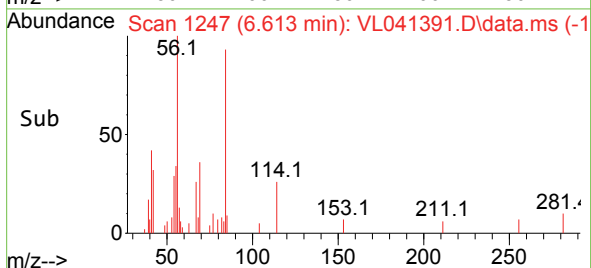
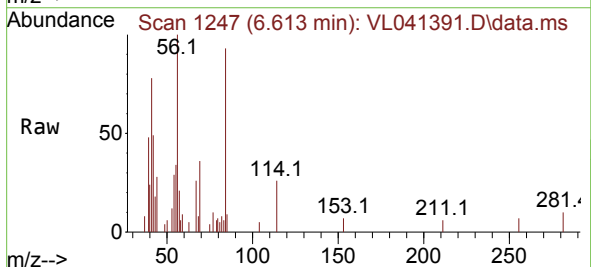


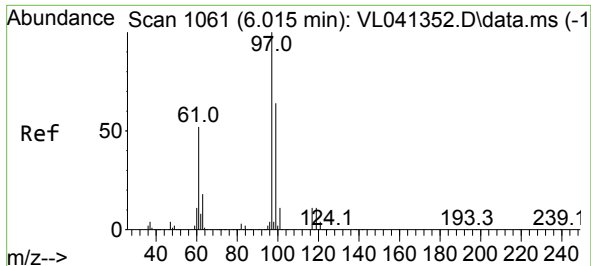
Tgt Ion: 57 Resp: 725856
Ion Ratio Lower Upper
57 100
41 92.3 73.7 110.5
43 89.3 182.2 273.2#
56 53.4 41.8 62.6



#30
Cyclohexane
Concen: 0.042 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 84 Resp: 3655
Ion Ratio Lower Upper
84 100
56 214.1 112.4 168.6#
41 0.0 72.7 109.1#

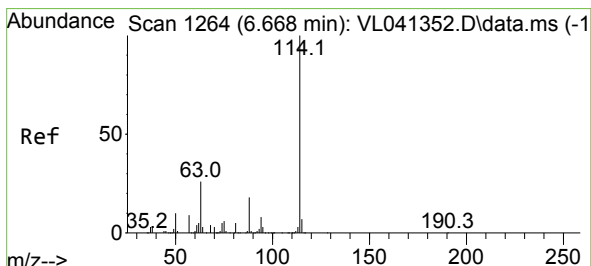
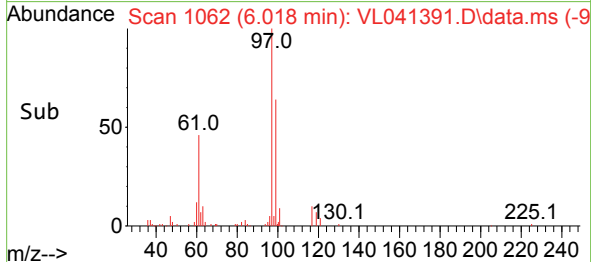
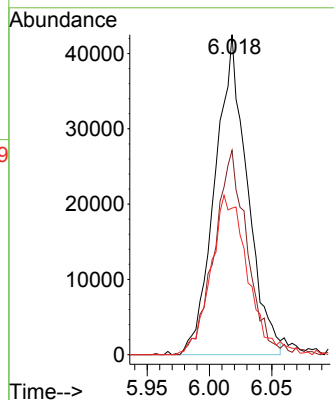
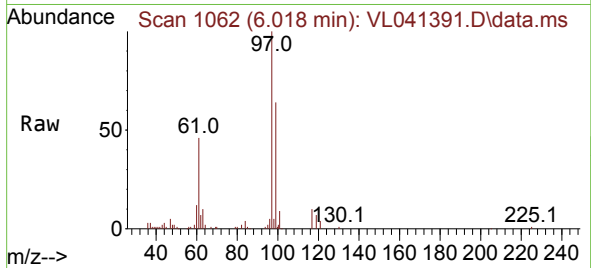




#32
 1,1,1-Trichloroethane
 Concen: 0.436 ppbv
 RT: 6.018 min Scan# 1061
 Delta R.T. 0.000 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

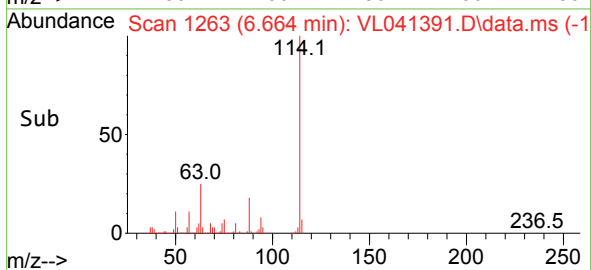
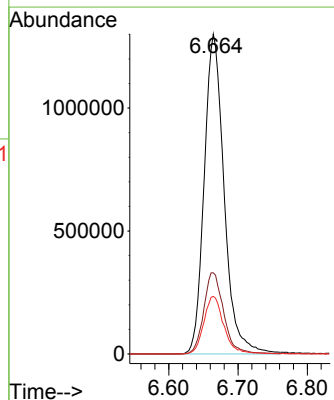
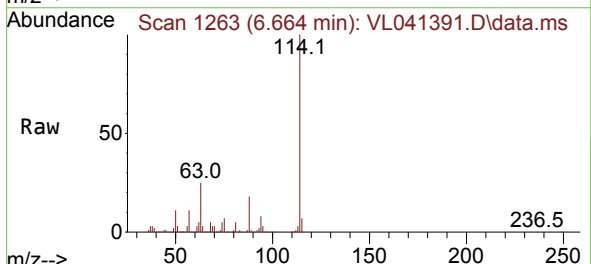
Instrument :
 MSVOA_L
 ClientSampleId :

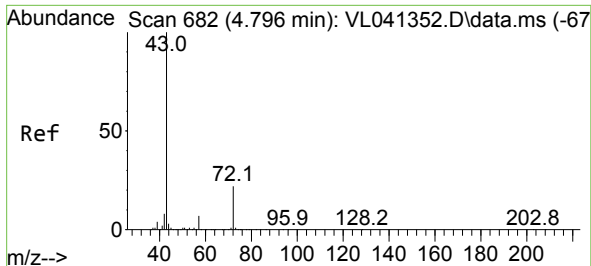
Tgt Ion: 97 Resp: 76417
 Ion Ratio Lower Upper
 97 100
 99 66.9 52.0 78.0
 61 57.4 43.0 64.6



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.664 min Scan# 1263
 Delta R.T. -0.003 min
 Lab File: VL041391.D
 Acq: 22 Jul 2024 18:21

Tgt Ion: 114 Resp: 2597817
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.6 31.0
 88 18.1 14.6 21.8

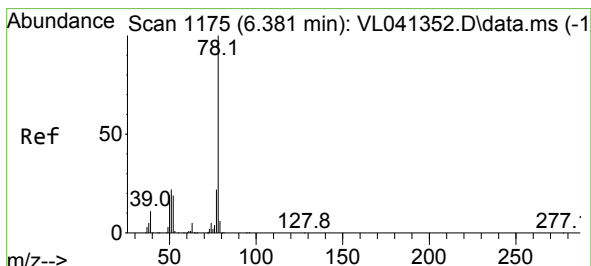
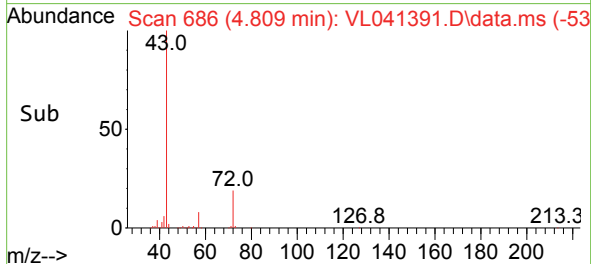
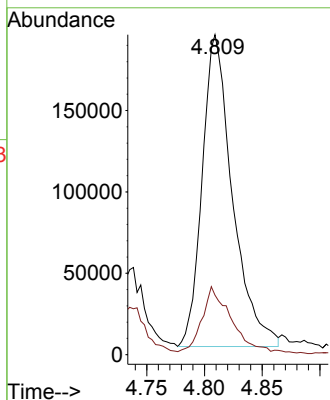
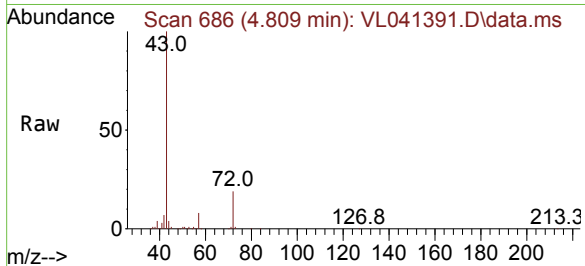




#34
2-Butanone
Concen: 2.549 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

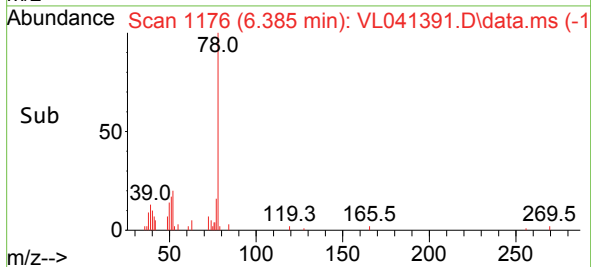
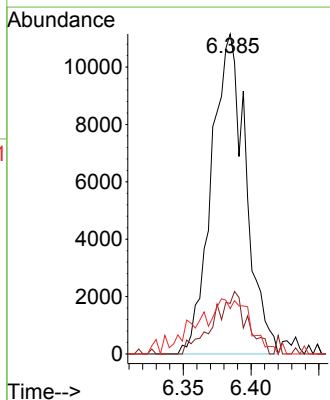
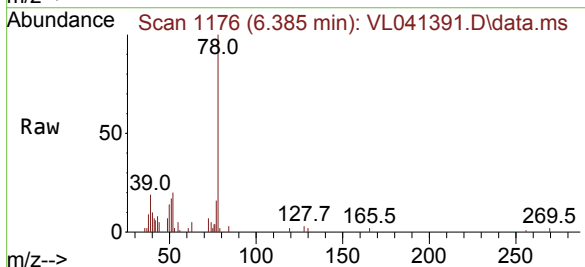
Instrument :
MSVOA_L
ClientSampleId :

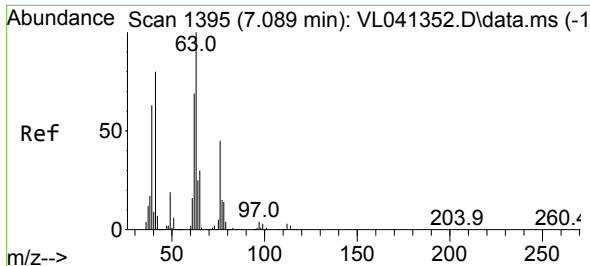
Tgt Ion: 43 Resp: 349439
Ion Ratio Lower Upper
43 100
72 23.2 17.2 25.8



#36
Benzene
Concen: 0.091 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 78 Resp: 19636
Ion Ratio Lower Upper
78 100
77 15.8 17.9 26.9#
50 14.1 15.5 23.3#





#39

1,2-Dichloropropane

Concen: 7.927 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.424 min

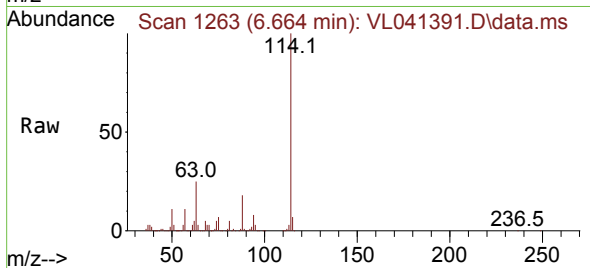
Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :



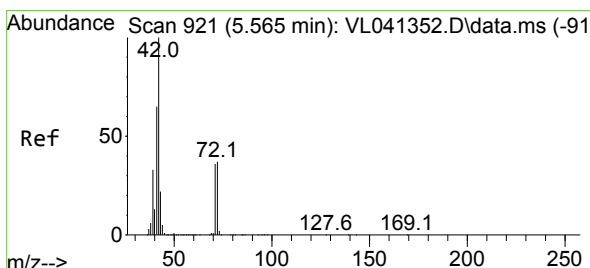
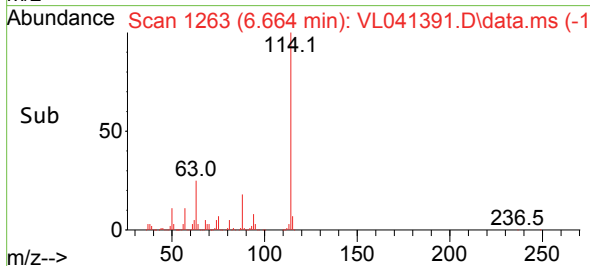
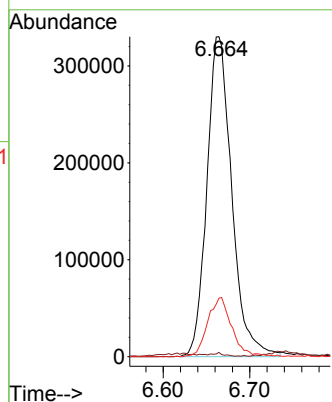
Tgt Ion: 63 Resp: 658629

Ion Ratio Lower Upper

63 100

41 0.6 64.0 96.0#

62 18.3 55.2 82.8#



#41

Tetrahydrofuran

Concen: 0.109 ppbv

RT: 5.594 min Scan# 930

Delta R.T. 0.016 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

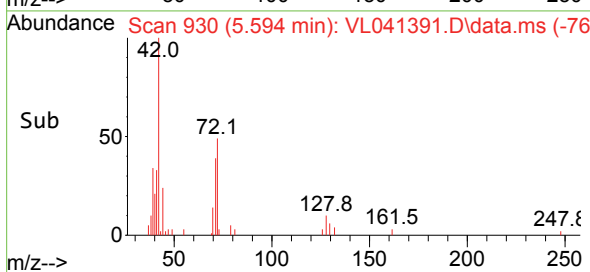
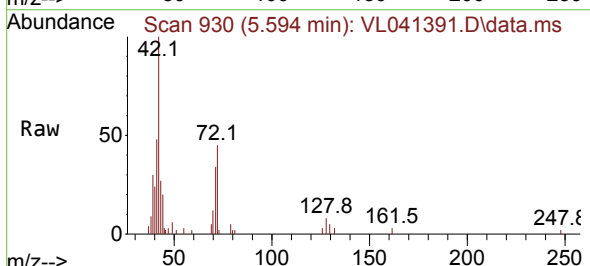
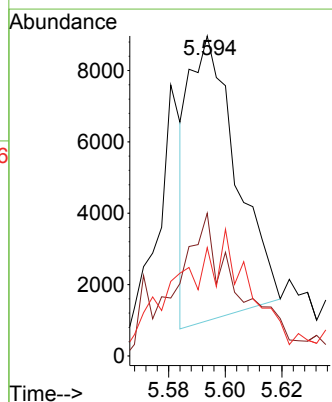
Tgt Ion: 42 Resp: 9257

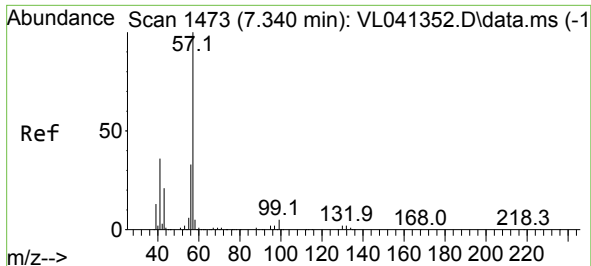
Ion Ratio Lower Upper

42 100

72 79.5 30.3 45.5#

71 76.4 29.7 44.5#

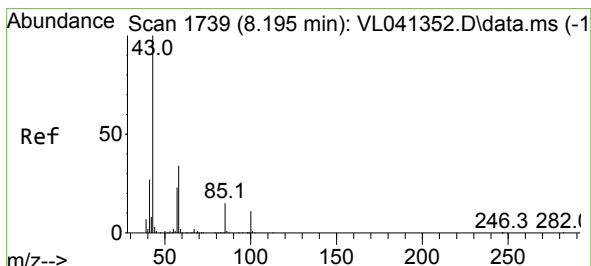
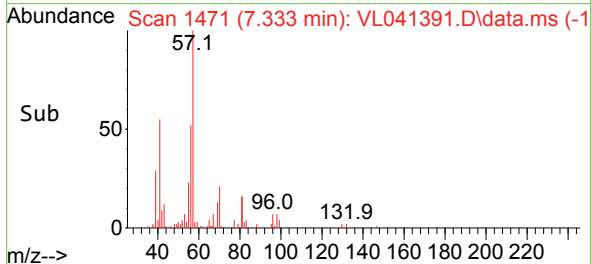
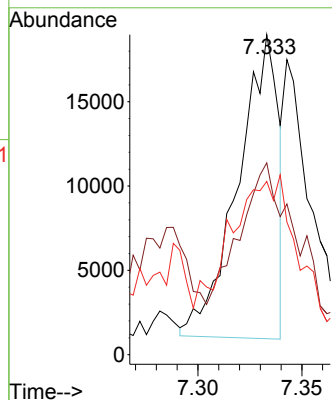
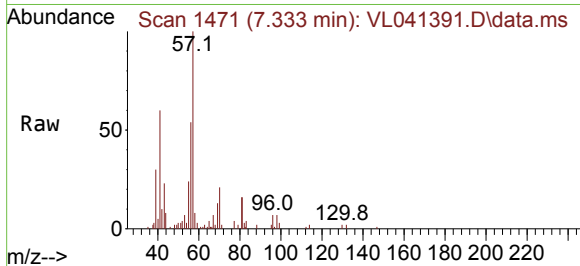




#44
2,2,4-Trimethylpentane
Concen: 0.067 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

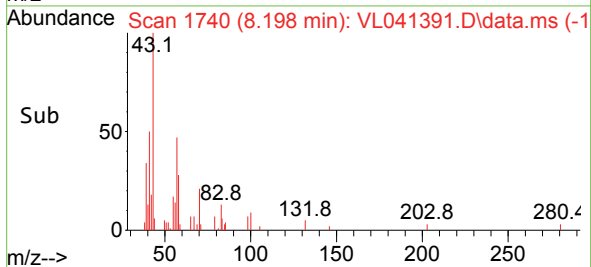
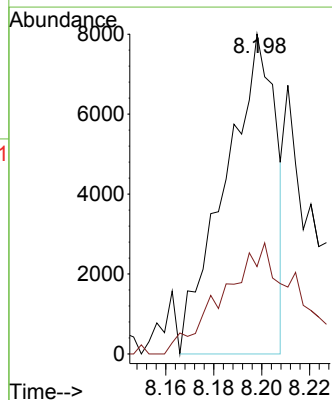
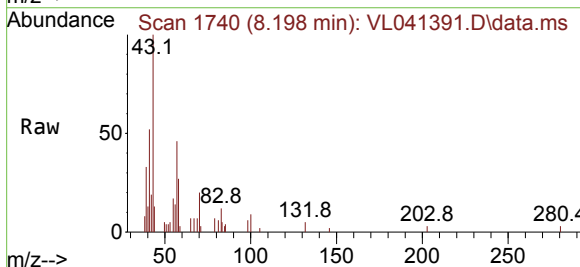
Instrument :
MSVOA_L
ClientSampleId :

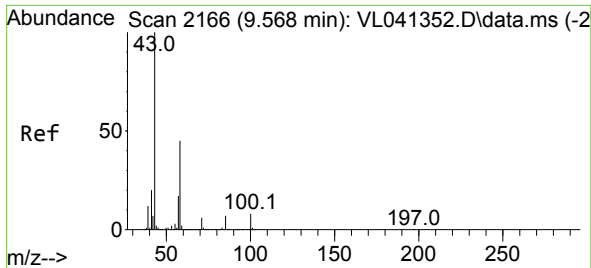
Tgt Ion: 57 Resp: 24372
Ion Ratio Lower Upper
57 100
41 97.6 29.6 44.4#
56 0.0 25.7 38.5#



#50
4-Methyl-2-Pentanone
Concen: 0.053 ppbv
RT: 8.198 min Scan# 1740
Delta R.T. 0.010 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 43 Resp: 11725
Ion Ratio Lower Upper
43 100
58 52.3 27.8 41.8#

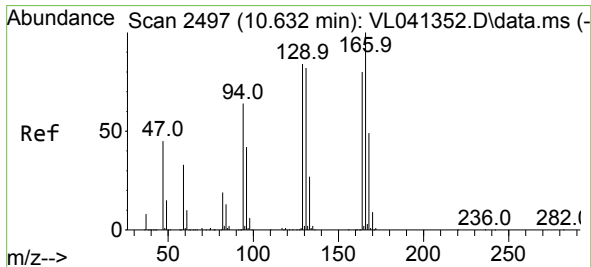
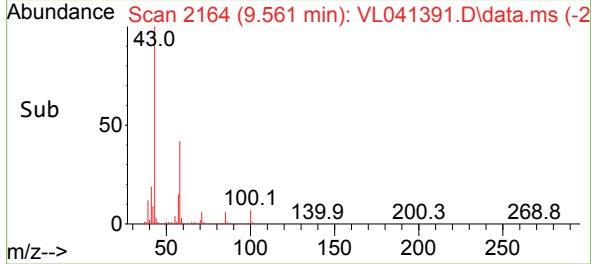
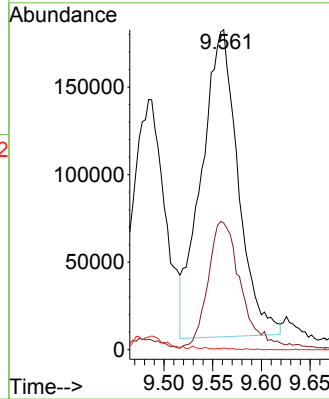
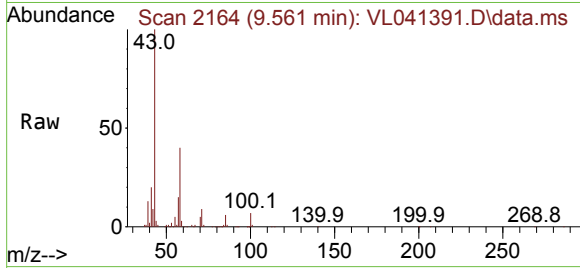




#51
2-Hexanone
Concen: 2.938 ppbv
RT: 9.561 min Scan# 2166
Delta R.T. 0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

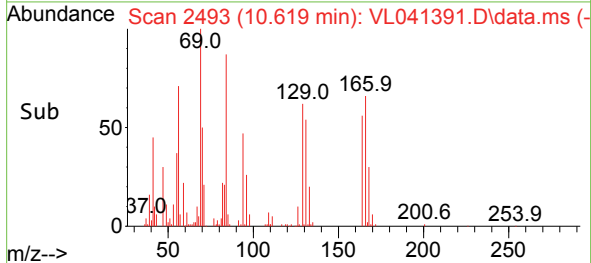
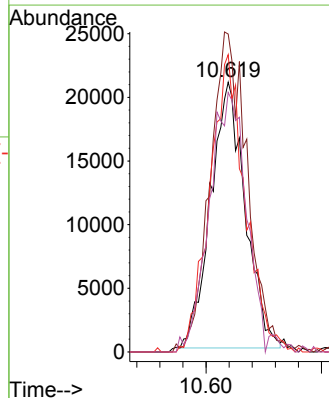
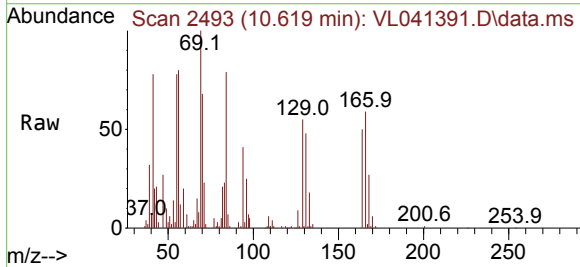
Instrument :
MSVOA_L
ClientSampleId :

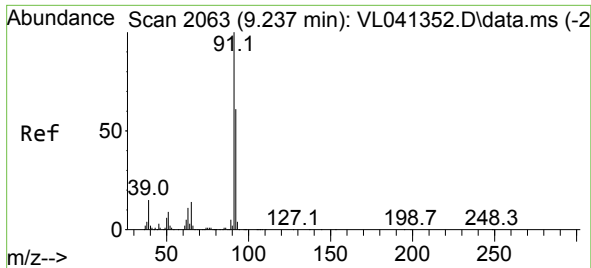
Tgt Ion: 43 Resp: 459721
Ion Ratio Lower Upper
43 100
58 38.2 38.0 57.0
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.503 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion: 164 Resp: 43462
Ion Ratio Lower Upper
164 100
166 118.2 99.8 149.8
129 111.8 83.8 125.6
131 94.6 82.3 123.5

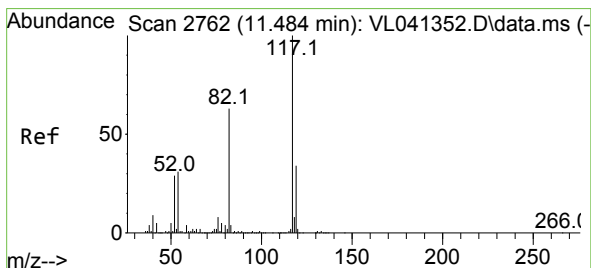
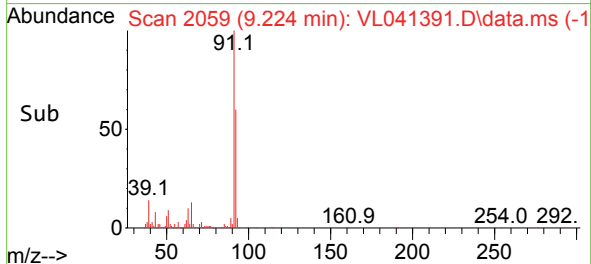
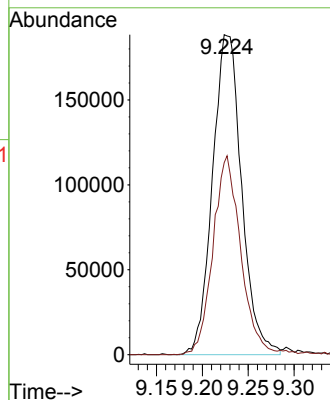
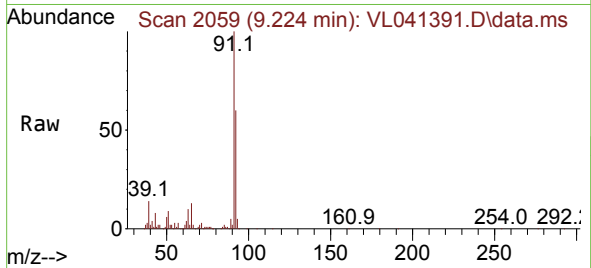




#53
Toluene
Concen: 1.715 ppbv
RT: 9.224 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

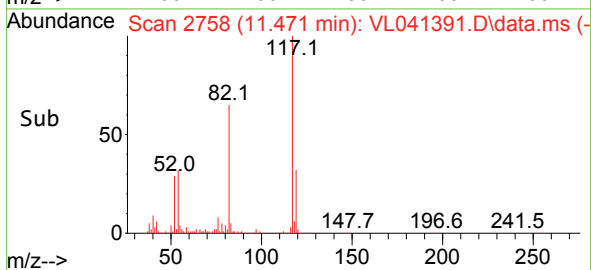
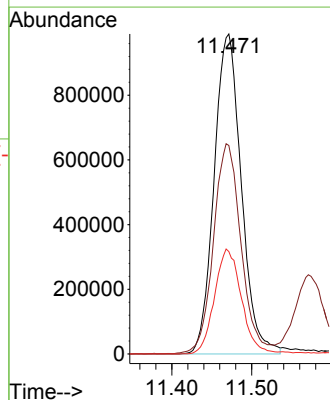
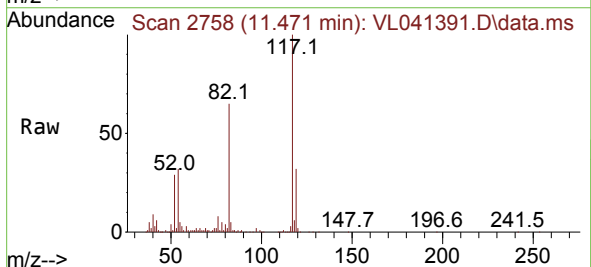
Instrument :
MSVOA_L
ClientSampleId :

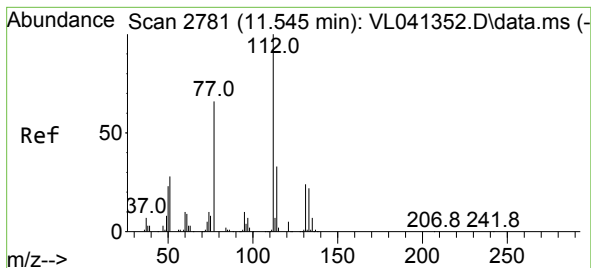
Tgt Ion: 91 Resp: 415756
Ion Ratio Lower Upper
91 100
92 60.0 48.5 72.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

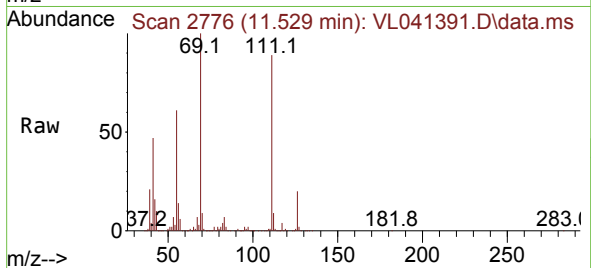
Tgt Ion: 117 Resp: 2336842
Ion Ratio Lower Upper
117 100
82 66.6 50.6 75.8
119 32.9 24.7 37.1



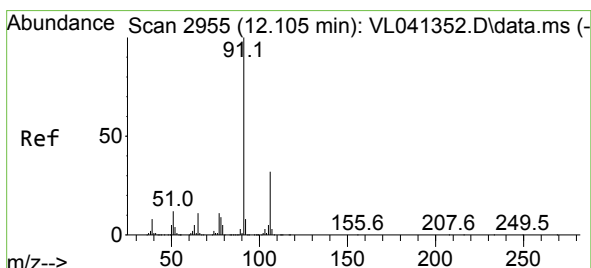
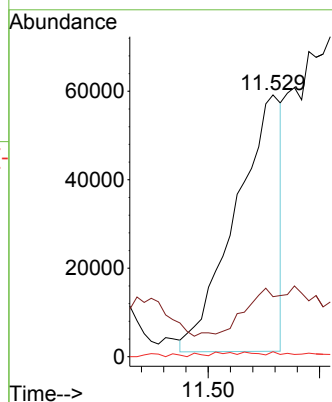
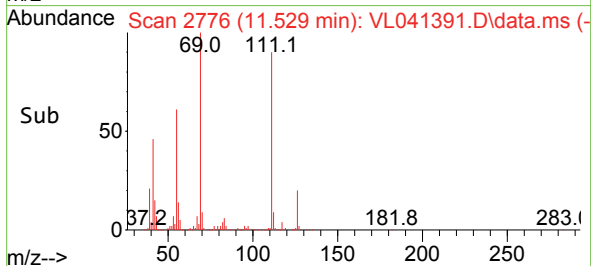


#57
Chlorobenzene
Concen: 0.452 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

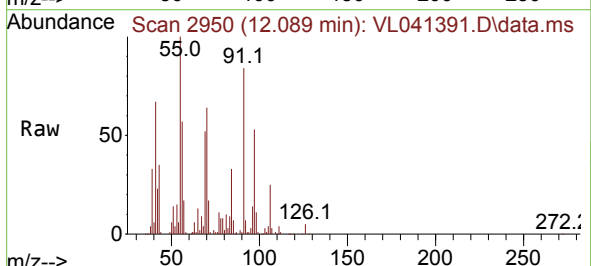
Instrument :
MSVOA_L
ClientSampleId :



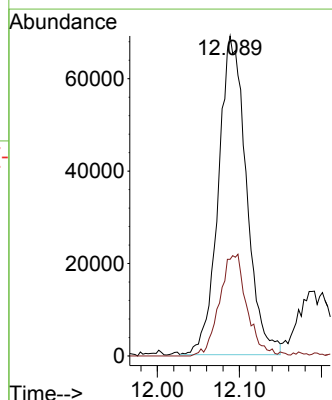
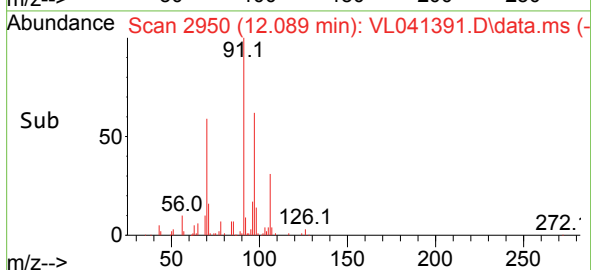
Tgt Ion:112 Resp: 82877
Ion Ratio Lower Upper
112 100
77 10.7 53.2 79.8#
114 1.4 30.1 36.7#

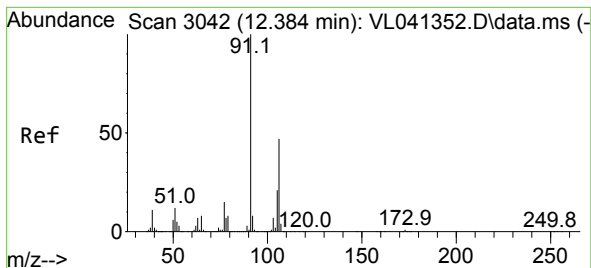


#58
Ethyl Benzene
Concen: 0.522 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21



Tgt Ion: 91 Resp: 163193
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.0





#59

m/p-Xylene

Concen: 2.083 ppbv

RT: 12.343 min Scan# 3042

Delta R.T. -0.029 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

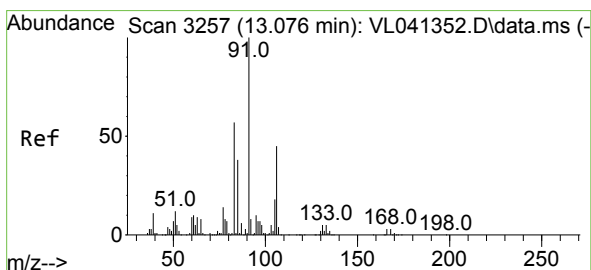
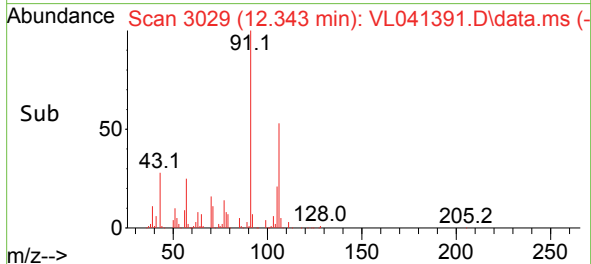
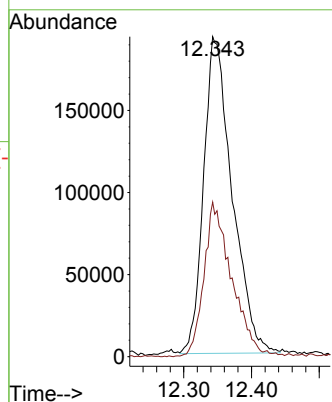
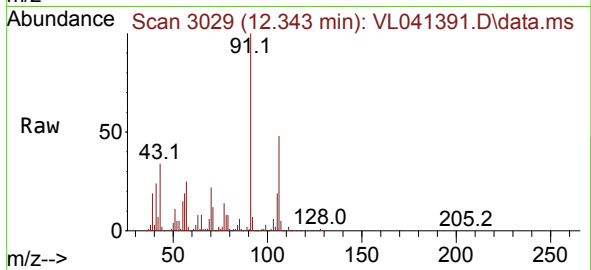
ClientSampleId :

Tgt Ion: 91 Resp: 563720

Ion Ratio Lower Upper

91 100

106 47.8 35.6 53.4



#60

o-Xylene

Concen: 1.183 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.003 min

Lab File: VL041391.D

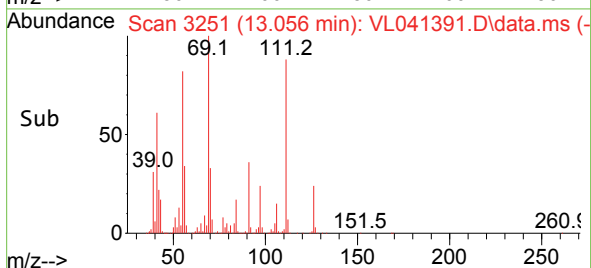
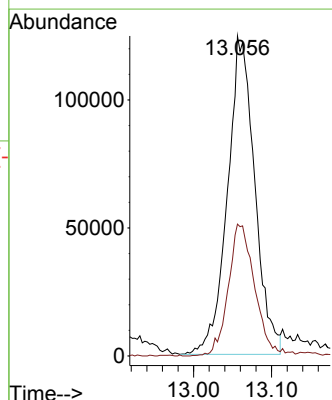
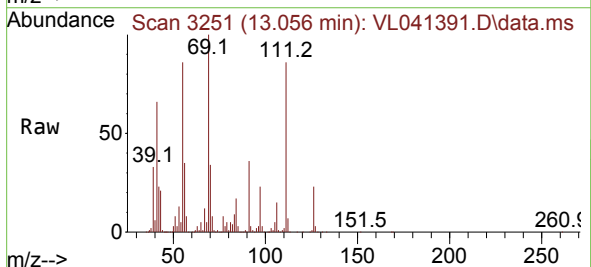
Acq: 22 Jul 2024 18:21

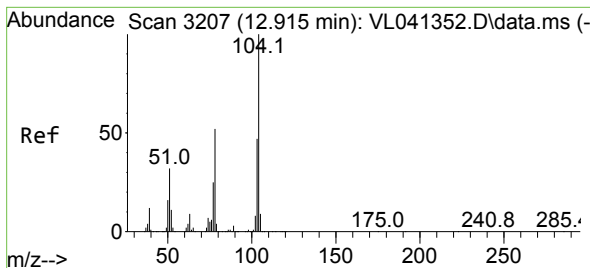
Tgt Ion: 91 Resp: 302053

Ion Ratio Lower Upper

91 100

106 41.1 23.3 69.8





#61

Styrene

Concen: 0.033 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.006 min

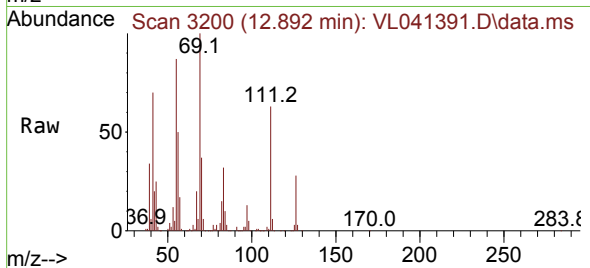
Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :



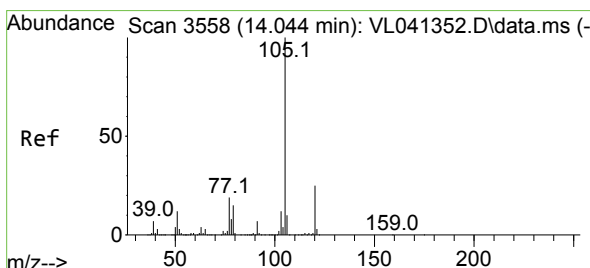
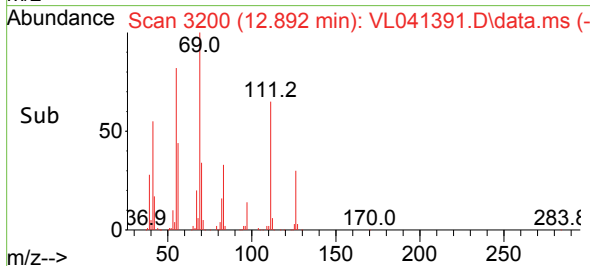
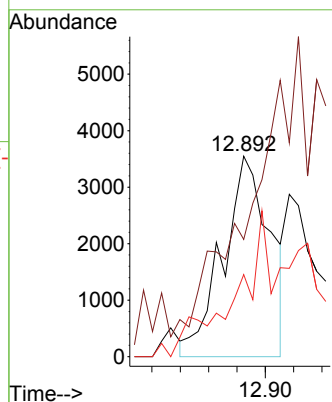
Tgt Ion:104 Resp: 4044

Ion Ratio Lower Upper

104 100

78 0.0 40.6 61.0#

103 118.9 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.232 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. 0.003 min

Lab File: VL041391.D

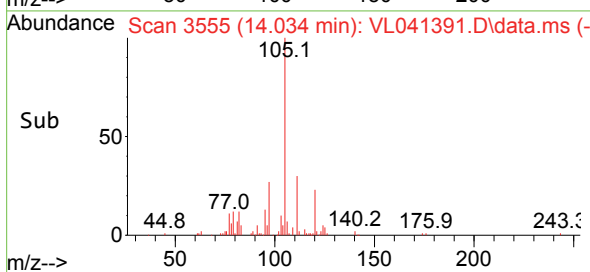
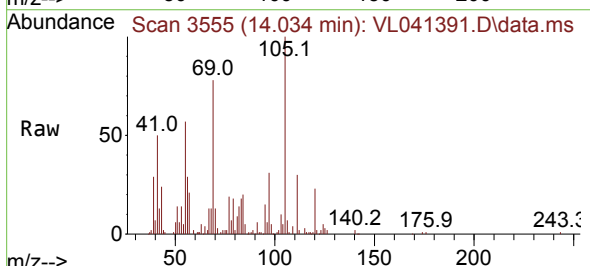
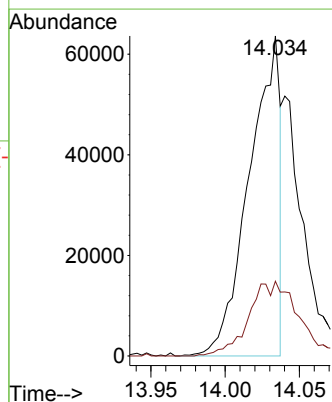
Acq: 22 Jul 2024 18:21

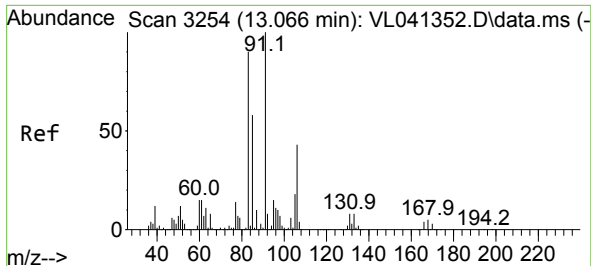
Tgt Ion:105 Resp: 91405

Ion Ratio Lower Upper

105 100

120 38.8 20.9 31.3#

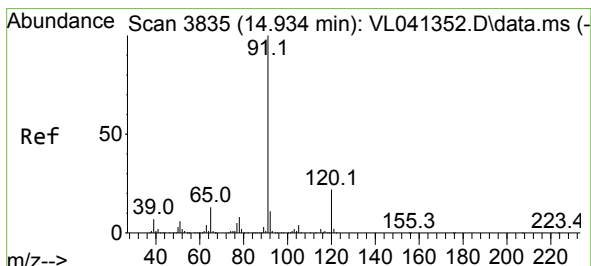
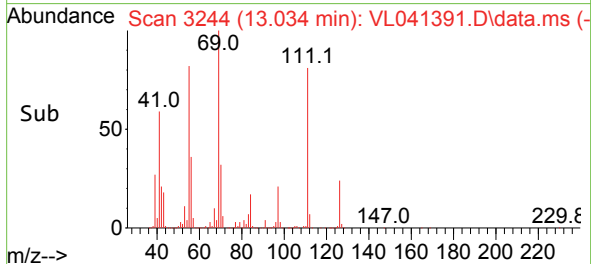
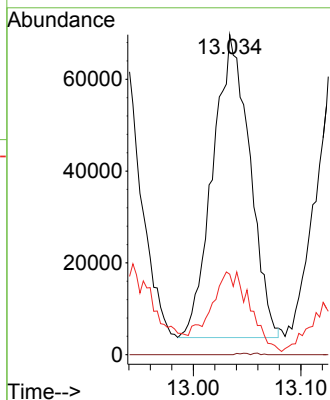
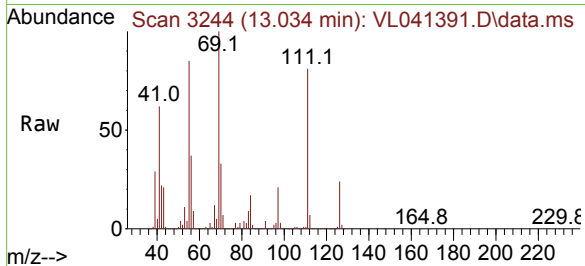




#63
1,1,2,2-Tetrachloroethane
Concen: 0.783 ppbv
RT: 13.034 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

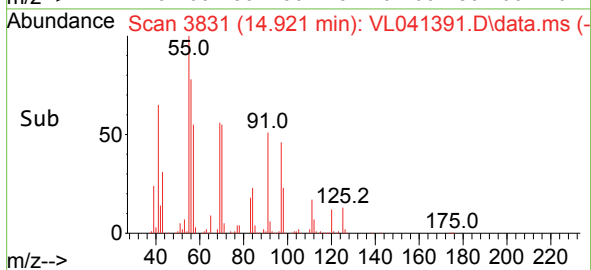
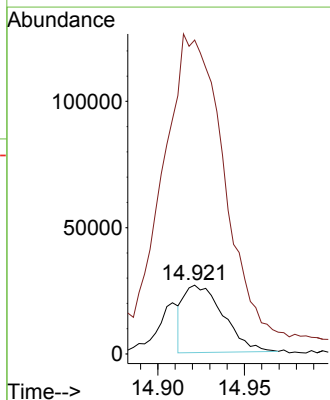
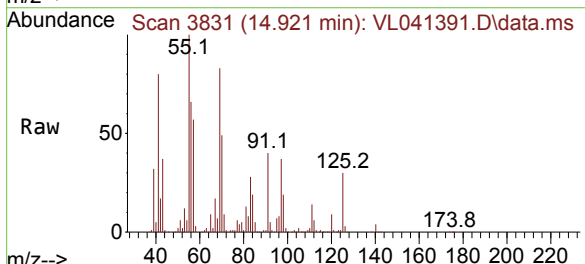
Instrument :
MSVOA_L
ClientSampleId :

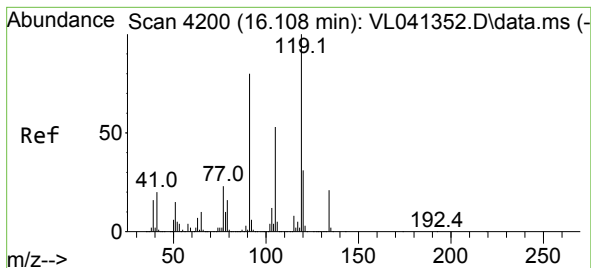
Tgt Ion: 83 Resp: 157622
Ion Ratio Lower Upper
83 100
131 0.2 4.8 14.4#
85 28.4 33.0 98.9#



#64
n-propylbenzene
Concen: 0.412 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. 0.007 min
Lab File: VL041391.D
Acq: 22 Jul 2024 18:21

Tgt Ion:120 Resp: 42447
Ion Ratio Lower Upper
120 100
91 860.0 378.4 567.6#





#65

tert-Butylbenzene

Concen: 0.144 ppbv

RT: 16.108 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :

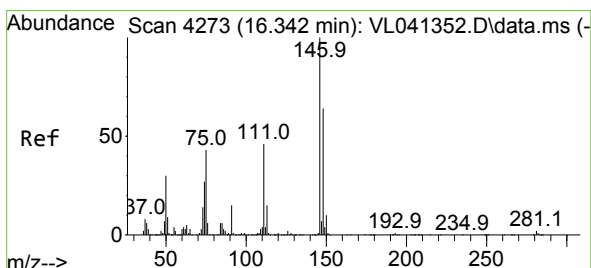
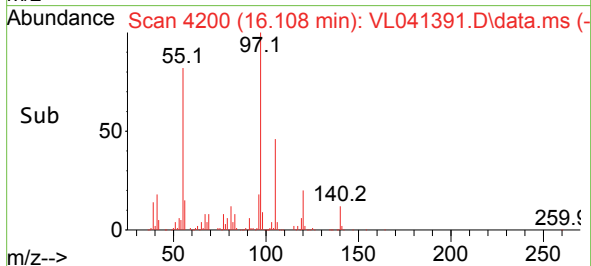
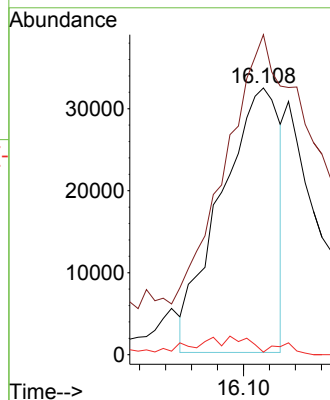
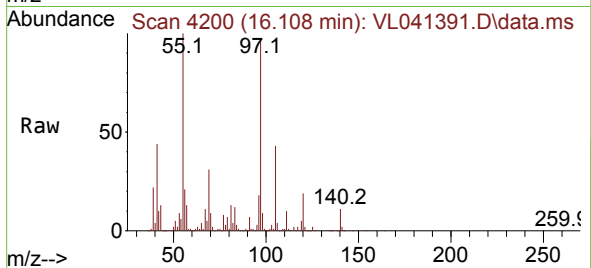
Tgt Ion:119 Resp: 50595

Ion Ratio Lower Upper

119 100

91 199.8 65.8 98.6#

134 8.9 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.068 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.003 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

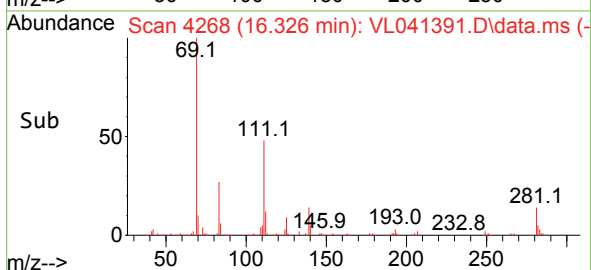
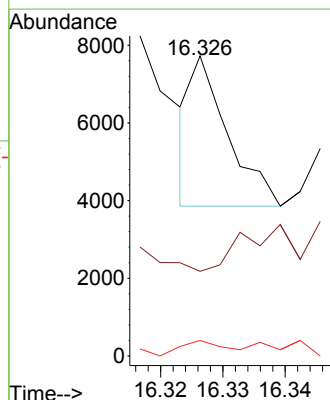
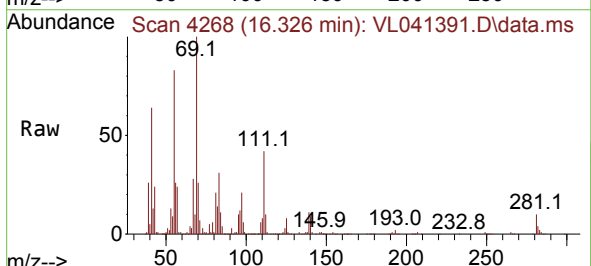
Tgt Ion: 91 Resp: 1572

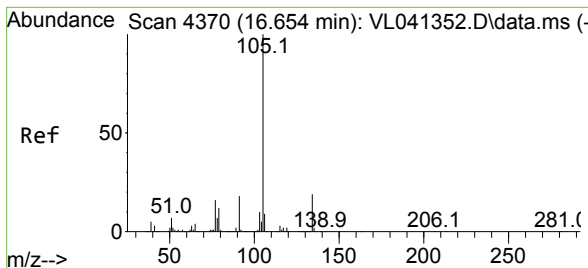
Ion Ratio Lower Upper

91 100

126 0.0 15.4 23.0#

128 0.0 5.0 7.4#





#67

sec-Butylbenzene

Concen: 0.379 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

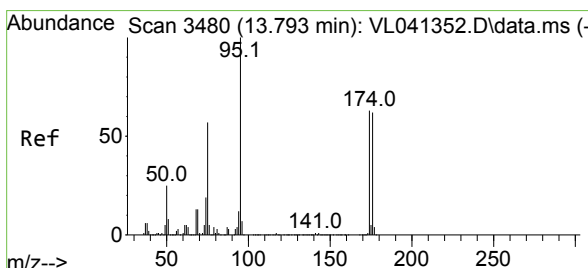
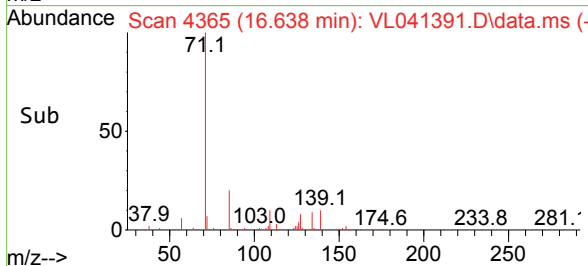
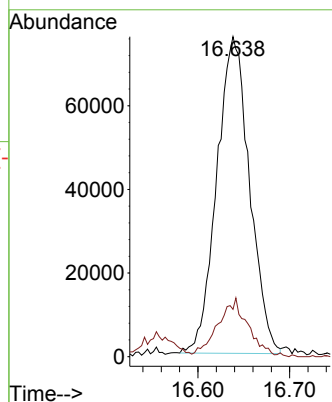
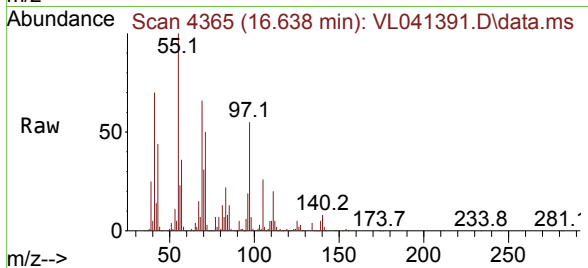
ClientSampleId :

Tgt Ion:105 Resp: 188236

Ion Ratio Lower Upper

105 100

134 17.2 14.2 21.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.684 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.003 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

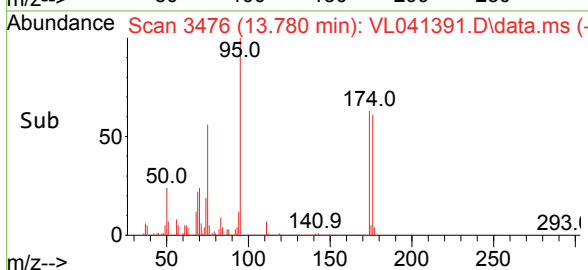
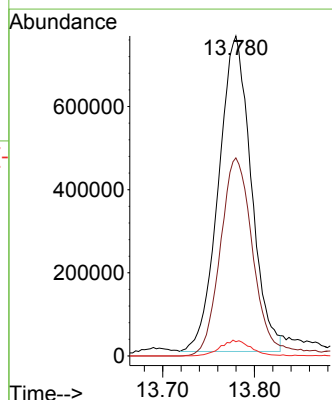
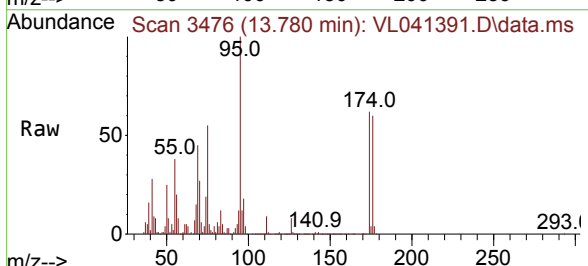
Tgt Ion: 95 Resp: 1871335

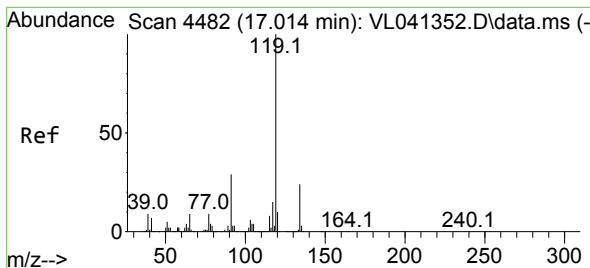
Ion Ratio Lower Upper

95 100

174 65.9 53.1 79.7

175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.051 ppbv

RT: 16.995 min Scan# 4482

Delta R.T. 0.003 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :

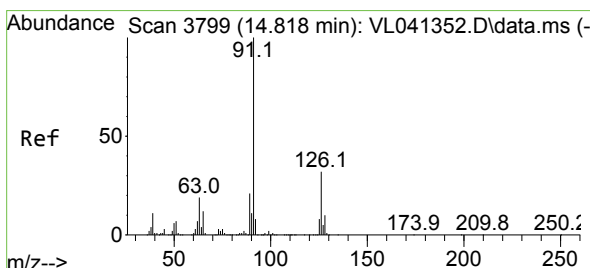
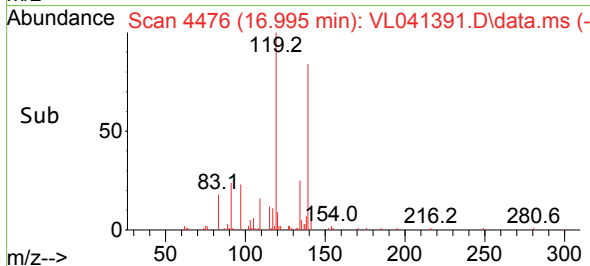
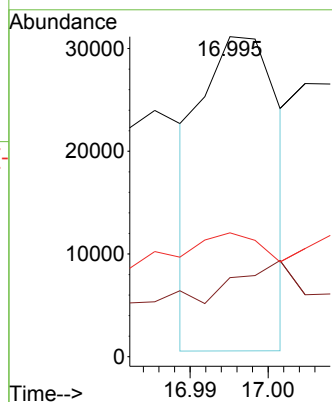
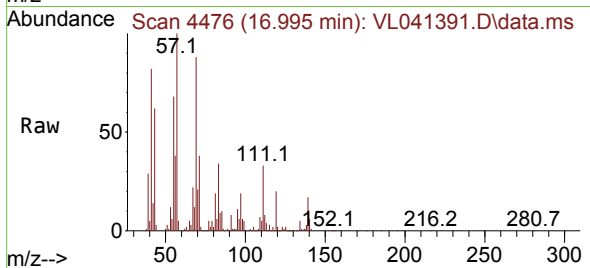
Tgt Ion:119 Resp: 21071

Ion Ratio Lower Upper

119 100

134 0.0 20.0 30.0#

91 157.0 23.7 35.5#



#71

2-Chlorotoluene

Concen: 0.988 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.116 min

Lab File: VL041391.D

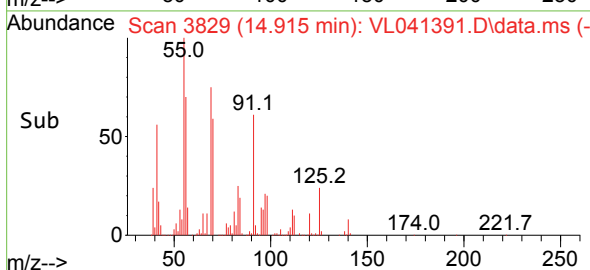
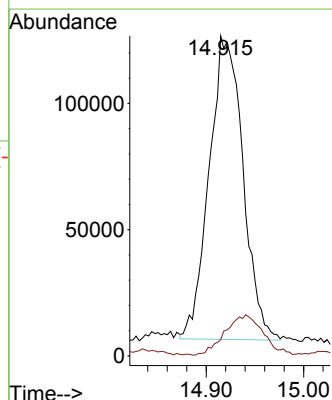
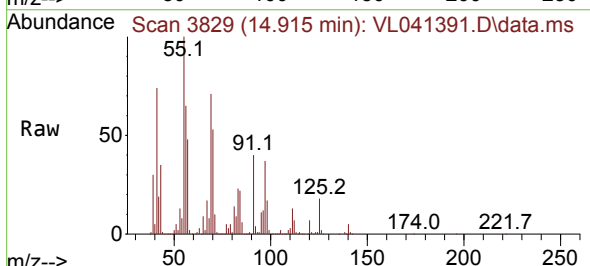
Acq: 22 Jul 2024 18:21

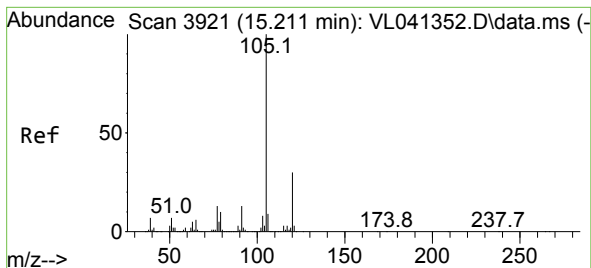
Tgt Ion: 91 Resp: 289465

Ion Ratio Lower Upper

91 100

126 14.2 12.9 51.7





#72

4-Ethyltoluene

Concen: 0.691 ppbv

RT: 15.195 min Scan# 3916

Delta R.T. 0.003 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 210304

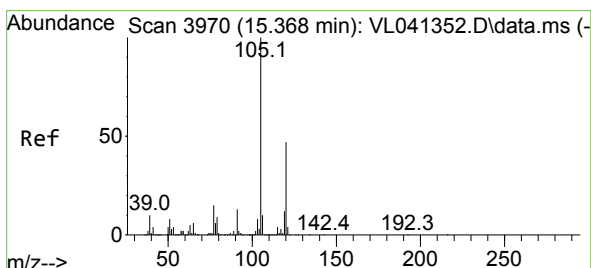
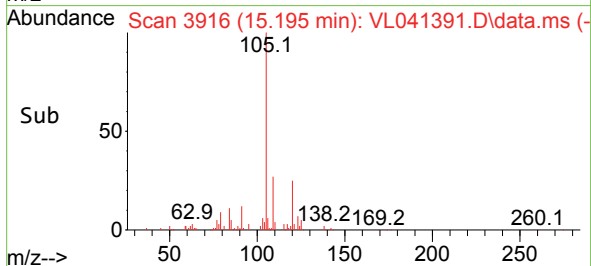
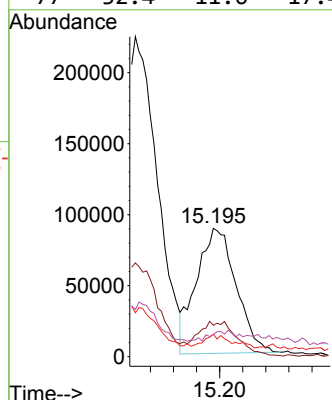
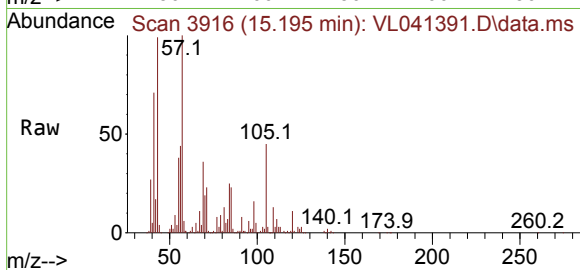
Ion Ratio Lower Upper

105 100

120 27.8 24.2 36.4

91 6.8 10.2 15.2#

77 32.4 11.6 17.4#



#73

1,3,5-Trimethylbenzene

Concen: 1.272 ppbv

RT: 15.359 min Scan# 3967

Delta R.T. 0.010 min

Lab File: VL041391.D

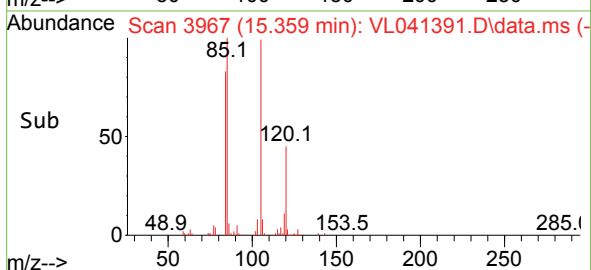
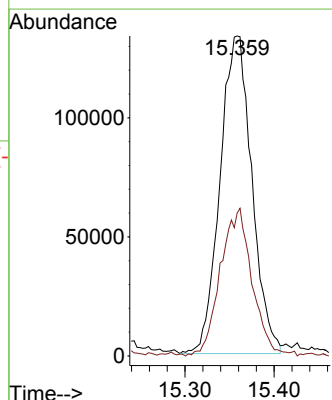
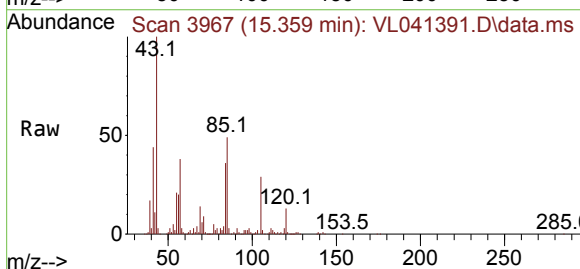
Acq: 22 Jul 2024 18:21

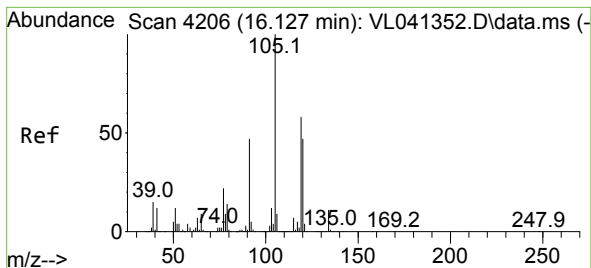
Tgt Ion:105 Resp: 331195

Ion Ratio Lower Upper

105 100

120 44.4 37.3 55.9





#74

1,2,4-Trimethylbenzene

Concen: 2.136 ppbv

RT: 16.111 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 626491

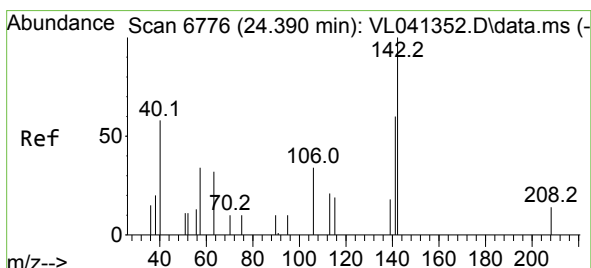
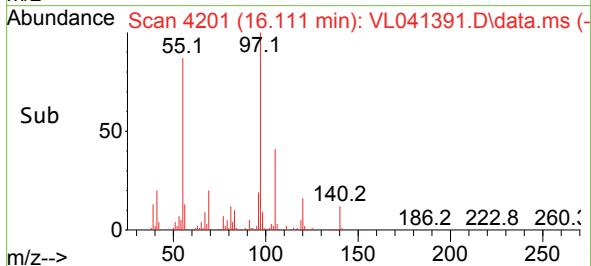
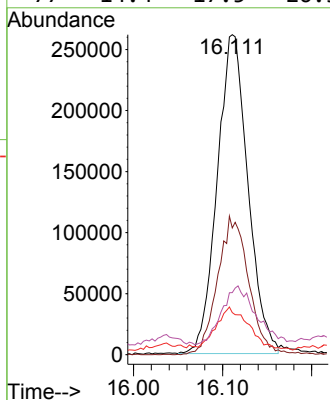
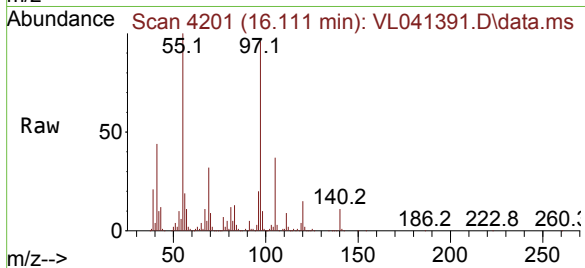
Ion Ratio Lower Upper

105 100

120 39.6 37.8 56.8

91 11.0 38.0 57.0#

77 14.4 17.5 26.3#



#80

Naphthalene,2-methyl-

Concen: 0.337 ppbv

RT: 24.349 min Scan# 6763

Delta R.T. -0.032 min

Lab File: VL041391.D

Acq: 22 Jul 2024 18:21

Tgt Ion:142 Resp: 140

Ion Ratio Lower Upper

142 100

141 29.3 37.9 56.9#

115 0.0 11.0 16.4#

