

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040516.D
 Acq On : 10 Jul 2023 21:12
 Operator : SY/MD
 Sample : 03535-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Jul 11 02:10:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	926986	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2367245	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2022078	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1550300	9.687	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.735	85	80492	0.434	ppbv	97
3) Chlorodifluoromethane	2.681	51	140047	0.953	ppbv	95
4) Chloromethane	2.822	50	33311	0.572	ppbv	100
6) Bromomethane	3.124	94	1081	0.042	ppbv #	64
9) Propene	2.706	41	62546	1.243	ppbv #	76
10) Heptane	7.581	43	15647	0.141	ppbv #	44
11) Trichlorofluoromethane	3.568	101	46638	0.312	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.066	101	5719	0.054	ppbv #	53
13) Ethanol	3.243	45	148802	13.596	ppbv	99
15) Acetone	3.472	43	928343	8.700	ppbv	97
16) 1,3-Butadiene	2.970	39	13832	0.257	ppbv #	36
17) tert-Butyl alcohol	3.896	59	25700	0.233	ppbv #	91
19) Isopropyl Alcohol	3.584	45	209024	3.412	ppbv #	1
20) Methylene Chloride	3.938	84	281401	6.200	ppbv	97
23) Vinyl Acetate	4.616	43	39572	0.389	ppbv #	14
25) Ethyl Acetate	5.217	43	131834	0.649	ppbv #	78
26) Hexane	5.214	57	181888	1.927	ppbv #	41
27) Carbon Disulfide	4.127	76	6897	0.062	ppbv #	1
30) Cyclohexane	6.606	84	5753	0.073	ppbv #	2
34) 2-Butanone	4.796	43	56894	0.486	ppbv	91
35) Carbon Tetrachloride	6.491	117	11157	0.078	ppbv #	64
36) Benzene	6.378	78	56396	0.296	ppbv #	92
37) 1,2-Dichloroethane	5.809	62	3786	0.034	ppbv #	81
39) 1,2-Dichloropropane	6.658	63	610956	8.332	ppbv #	27
40) 1,4-Dioxane	7.336	88	803	0.035	ppbv #	1
41) Tetrahydrofuran	5.555	42	2999	0.044	ppbv #	34
44) 2,2,4-Trimethylpentane	7.327	57	42972	0.140	ppbv #	19
53) Toluene	9.224	91	478880	2.315	ppbv	98
58) Ethyl Benzene	12.092	91	69772	0.275	ppbv	94
59) m/p-Xylene	12.349	91	219658	0.970	ppbv	97
60) o-Xylene	13.060	91	106582	0.494	ppbv	93
61) Styrene	12.905	104	56702	0.570	ppbv #	85
62) Isopropylbenzene	14.034	105	18125	0.056	ppbv	98
65) tert-Butylbenzene	16.101	119	12637	0.044	ppbv #	1
69) p-Isopropyltoluene	16.995	119	36241	0.104	ppbv #	25
72) 4-Ethyltoluene	15.198	105	16377	0.065	ppbv #	47
73) 1,3,5-Trimethylbenzene	15.358	105	35925	0.161	ppbv	94
74) 1,2,4-Trimethylbenzene	16.108	105	68233	0.263	ppbv #	63
76) 1,4-Dichlorobenzene	16.484	146	5248	0.034	ppbv #	1
79) Naphthalene	21.403	128	17089	0.078	ppbv	95
80) Naphthalene,2-methyl-	24.377	142	16213	0.179	ppbv #	87

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

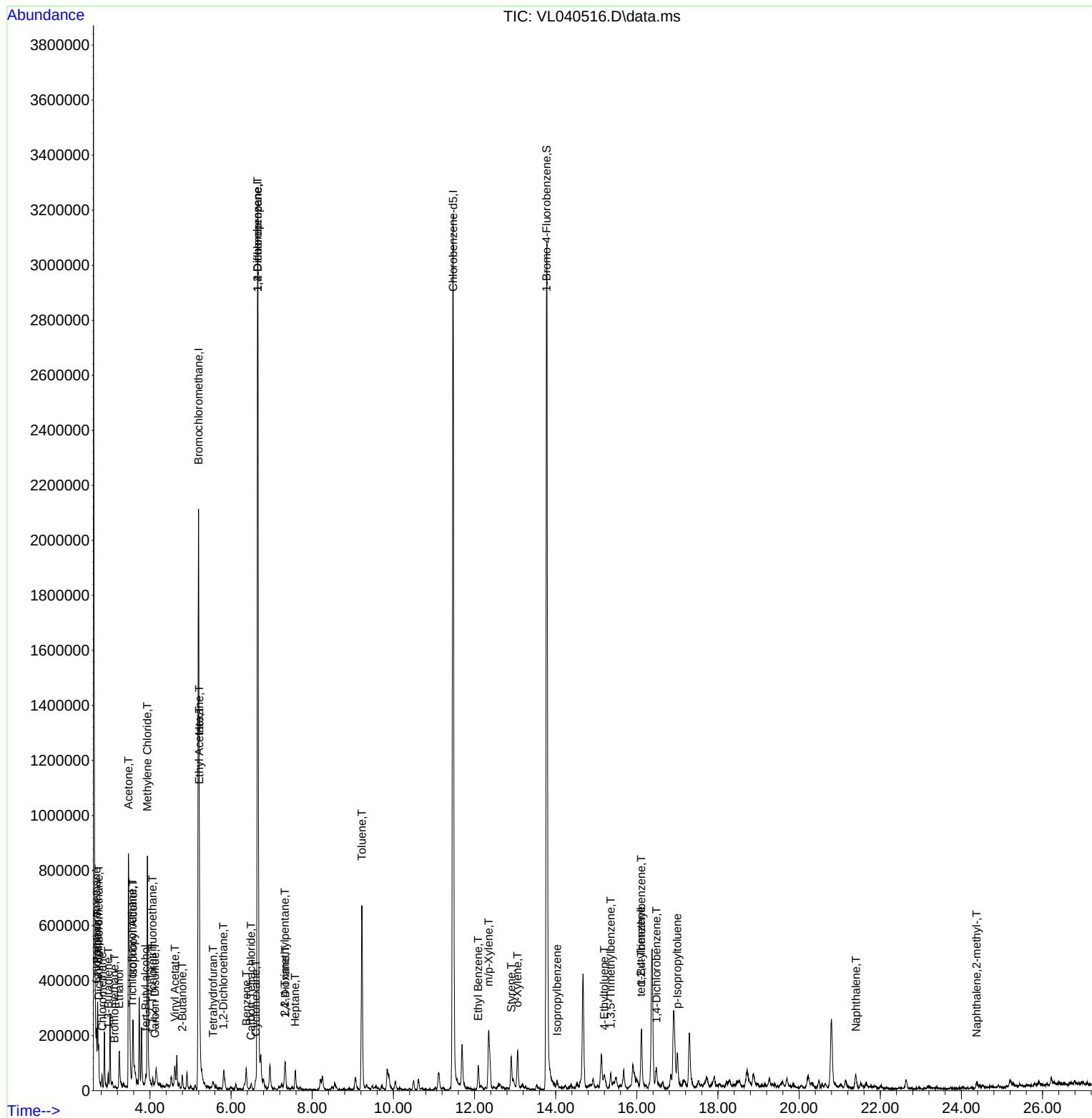
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

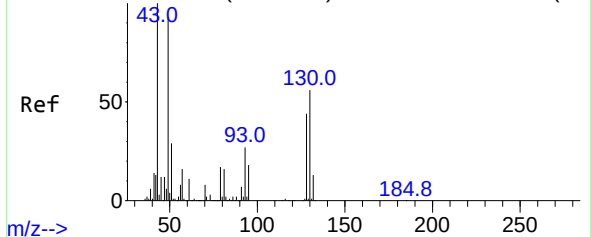
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
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Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78)



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.198 min Scan# 80

Delta R.T. -0.004 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 49 Resp: 926986

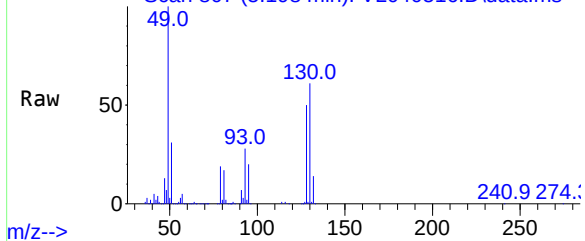
Ion Ratio Lower Upper

49 100

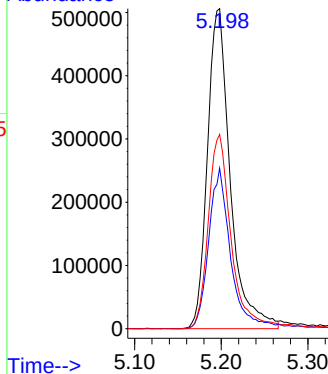
128 49.4 25.1 75.4

130 62.1 31.6 94.7

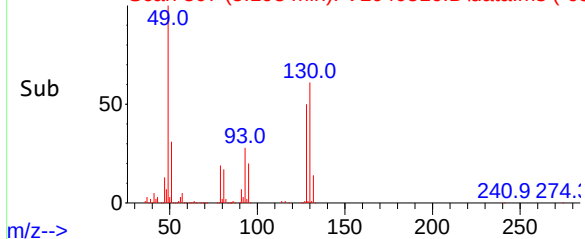
Abundance Scan 807 (5.198 min): VL040516.D\data.ms



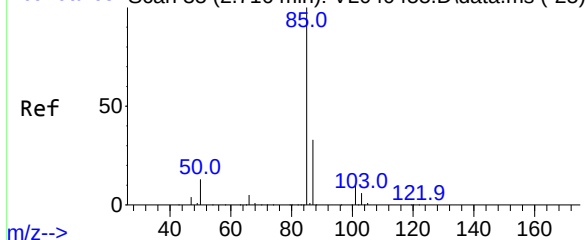
Abundance



Abundance Scan 807 (5.198 min): VL040516.D\data.ms (-65)



Abundance Scan 35 (2.716 min): VL040455.D\data.ms (-25)



#2

Dichlorodifluoromethane

Concen: 0.434 ppbv

RT: 2.735 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

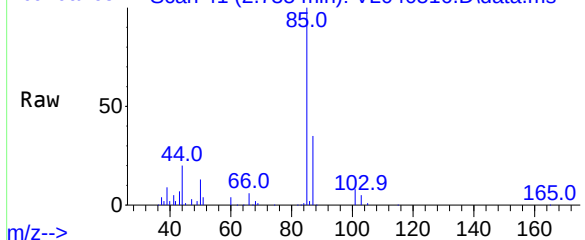
Tgt Ion: 85 Resp: 80492

Ion Ratio Lower Upper

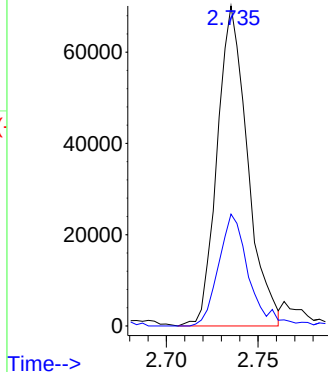
85 100

87 35.0 26.8 40.2

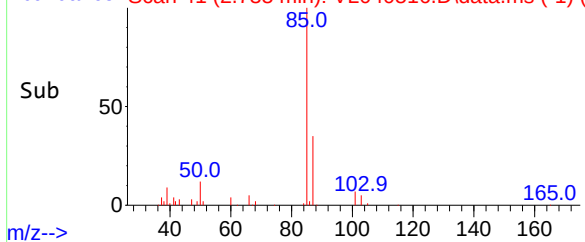
Abundance Scan 41 (2.735 min): VL040516.D\data.ms

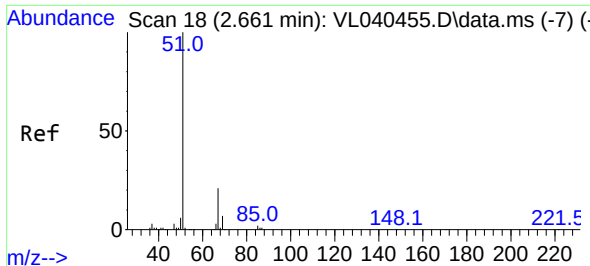


Abundance



Abundance Scan 41 (2.735 min): VL040516.D\data.ms (-1)

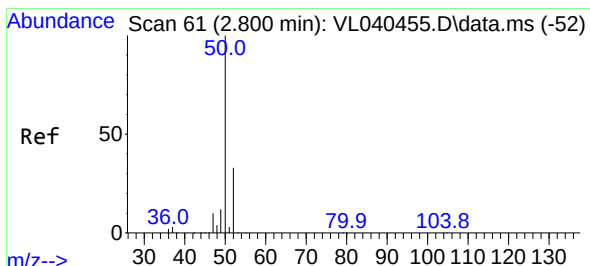
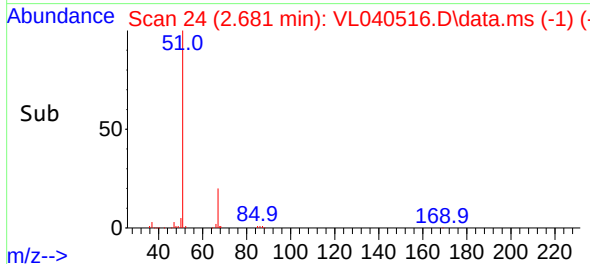
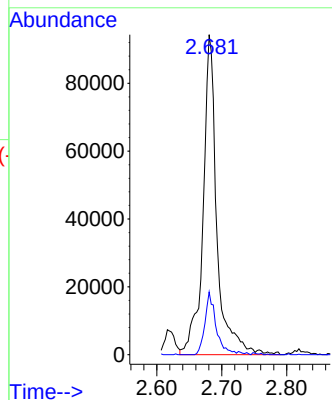
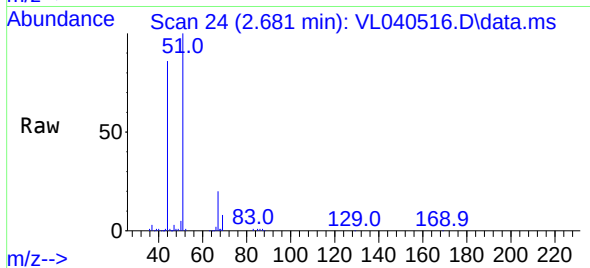




#3
Chlorodifluoromethane
Concen: 0.953 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

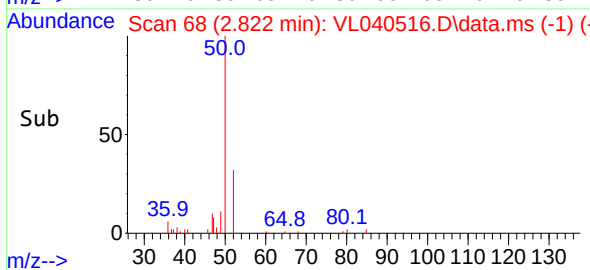
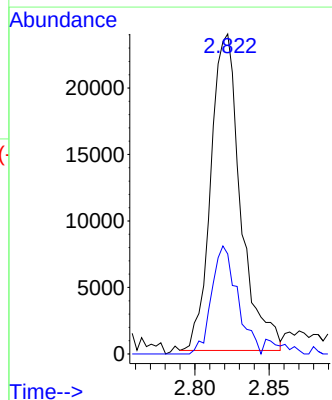
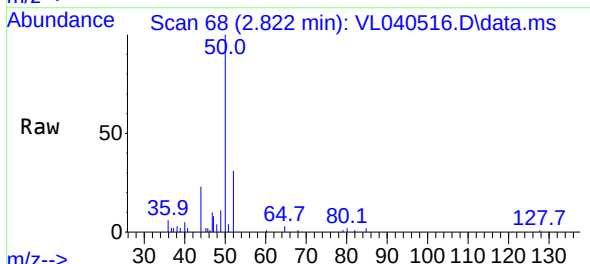
Instrument :
MSVOA_L
ClientSampleId :
IA1

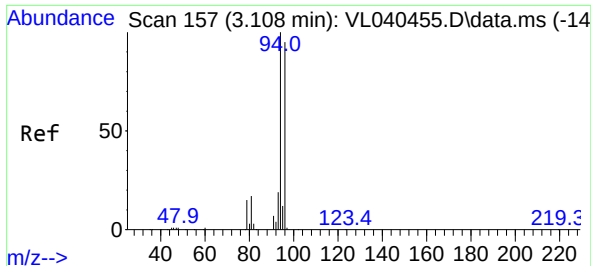
Tgt Ion: 51 Resp: 140047
Ion Ratio Lower Upper
51 100
67 16.2 14.6 21.8



#4
Chloromethane
Concen: 0.572 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.000 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 50 Resp: 33311
Ion Ratio Lower Upper
50 100
52 30.5 24.4 36.6

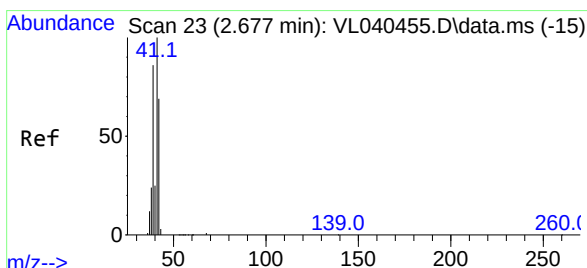
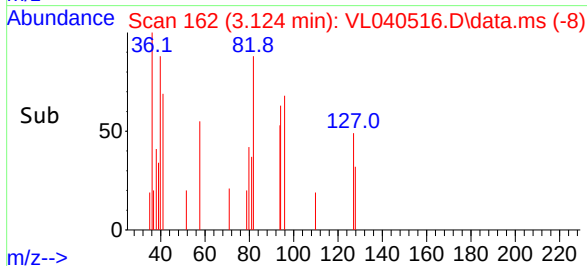
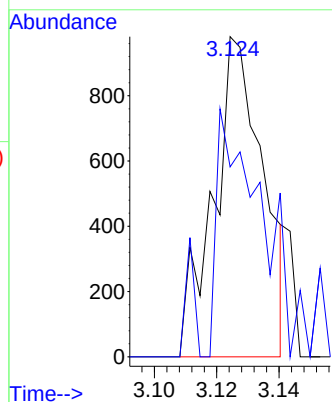
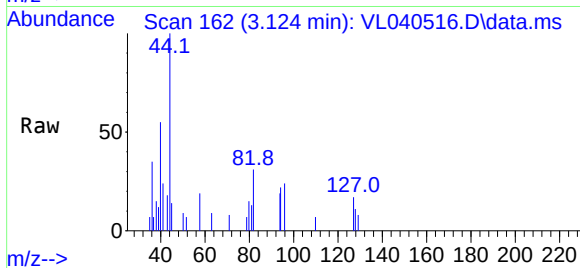




#6
Bromomethane
Concen: 0.042 ppbv
RT: 3.124 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

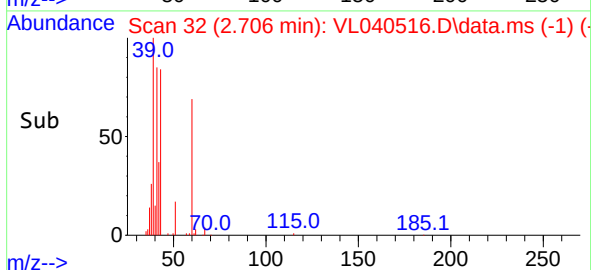
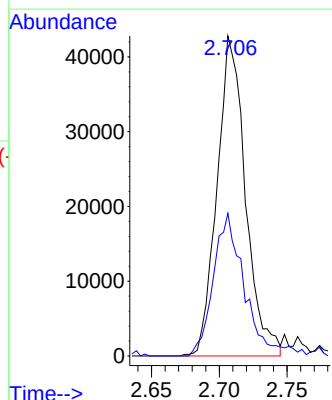
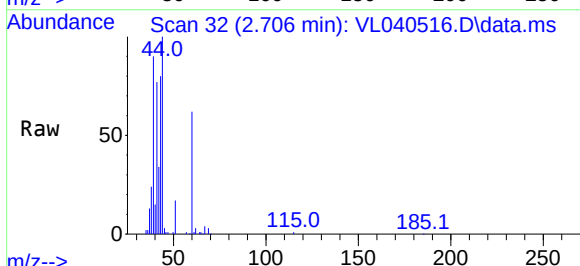
Instrument :
MSVOA_L
ClientSampleId :
IA1

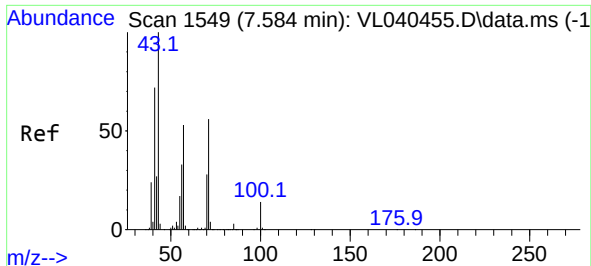
Tgt Ion: 94 Resp: 1081
Ion Ratio Lower Upper
94 100
96 59.3 75.7 113.5#



#9
Propene
Concen: 1.243 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 41 Resp: 62546
Ion Ratio Lower Upper
41 100
42 49.6 55.0 82.6#





#10

Heptane

Concen: 0.141 ppbv

RT: 7.581 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

Instrument :

MSVOA_L

ClientSampleId :

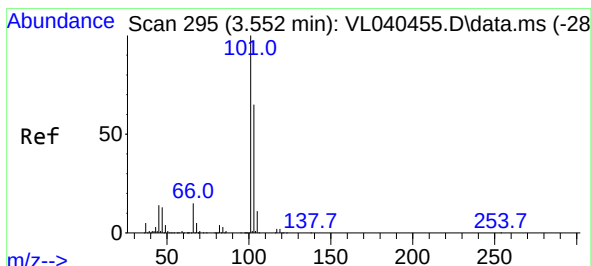
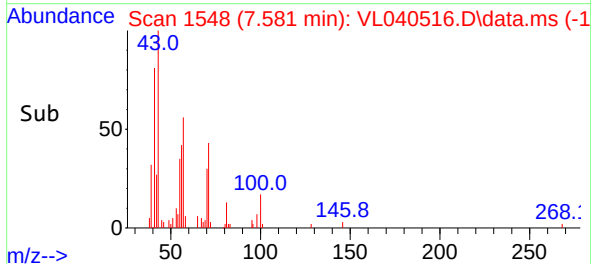
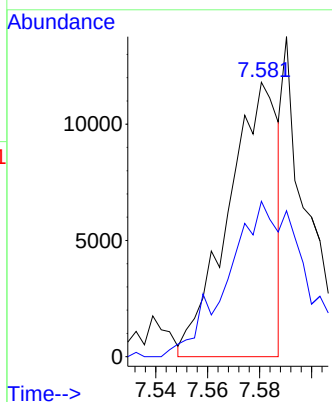
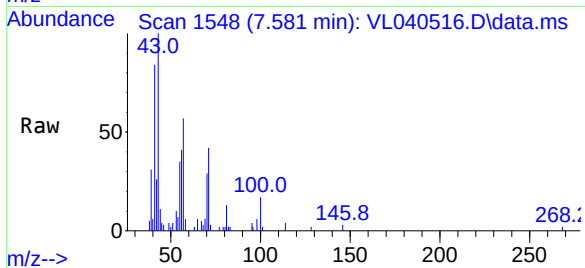
IA1

Tgt Ion: 43 Resp: 15647

Ion Ratio Lower Upper

43 100

57 93.1 42.5 63.7#



#11

Trichlorofluoromethane

Concen: 0.312 ppbv

RT: 3.568 min Scan# 300

Delta R.T. -0.003 min

Lab File: VL040516.D

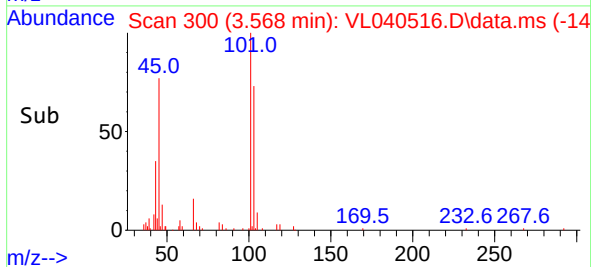
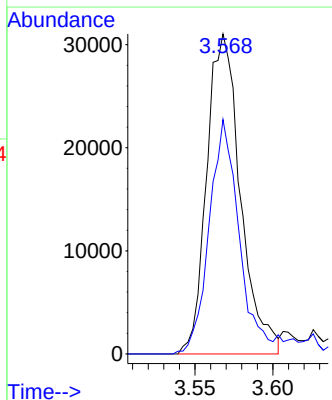
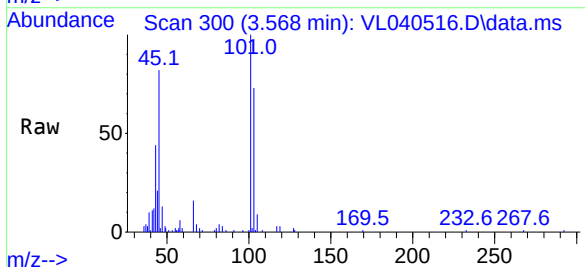
Acq: 10 Jul 2023 21:12

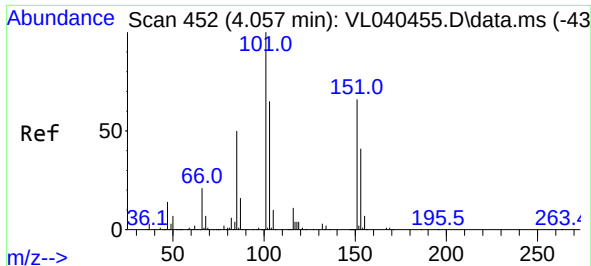
Tgt Ion: 101 Resp: 46638

Ion Ratio Lower Upper

101 100

103 72.4 53.4 80.0

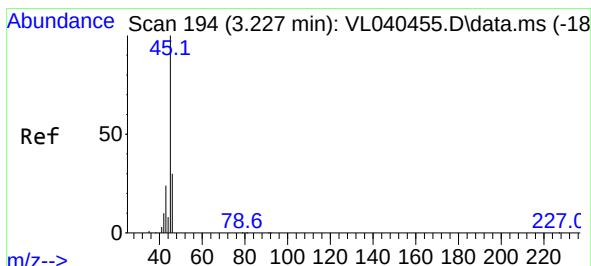
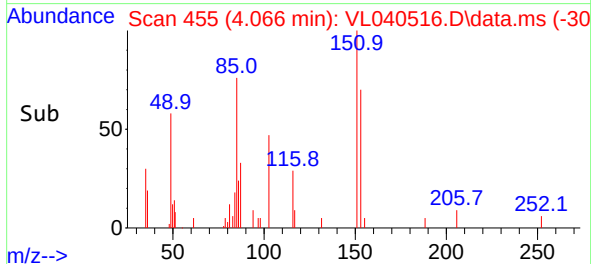
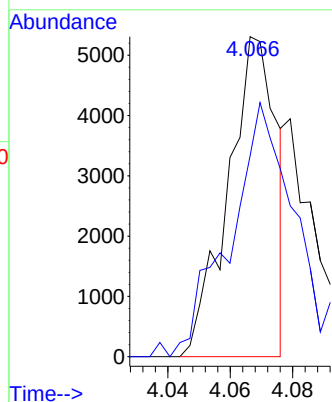
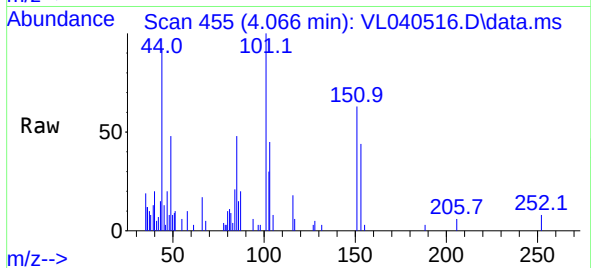




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.054 ppbv
RT: 4.066 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL040516.D
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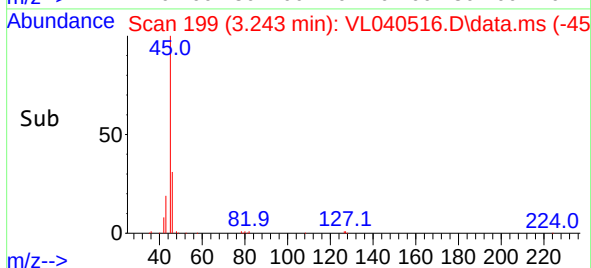
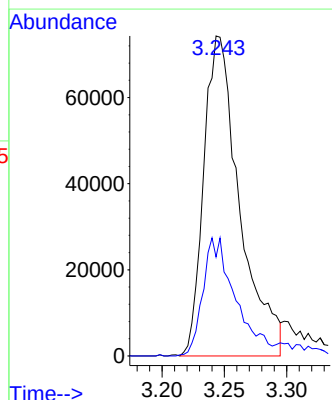
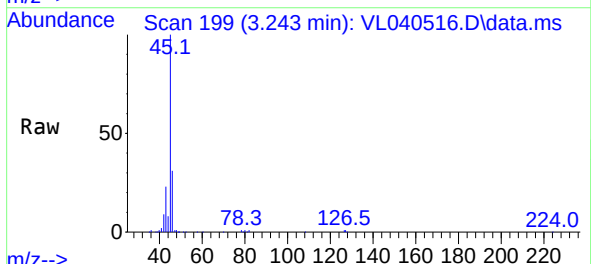
Instrument :
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ClientSampleId :
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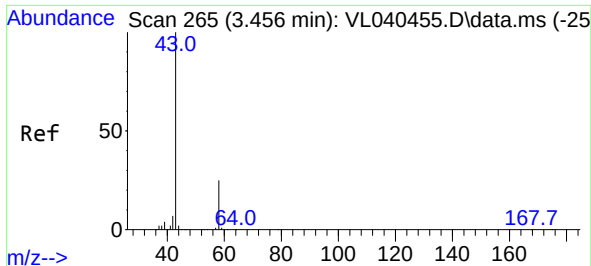
Tgt Ion:101 Resp: 5719
Ion Ratio Lower Upper
101 100
151 112.2 58.2 87.4#



#13
Ethanol
Concen: 13.596 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 45 Resp: 148802
Ion Ratio Lower Upper
45 100
46 38.8 15.3 61.1

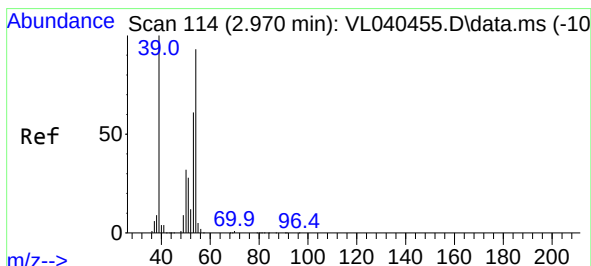
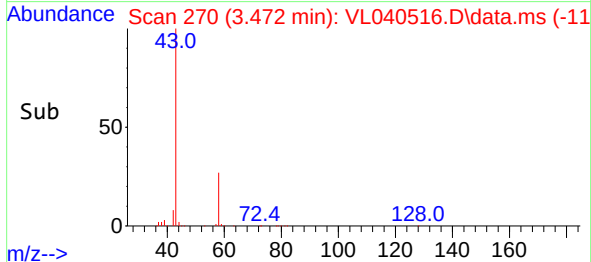
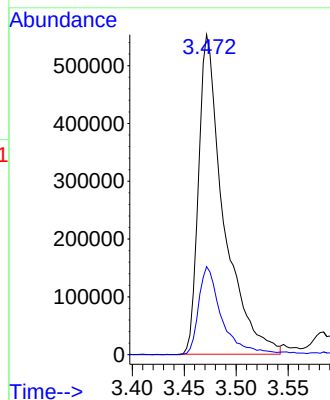
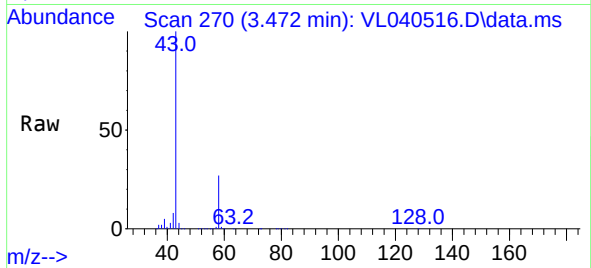




#15
Acetone
Concen: 8.700 ppbv
RT: 3.472 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

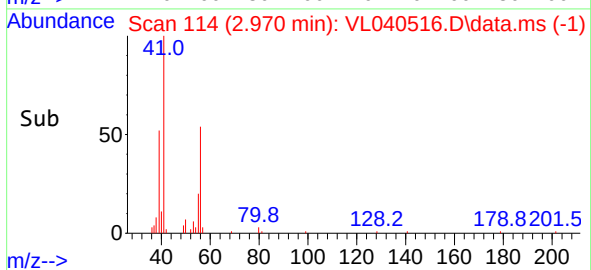
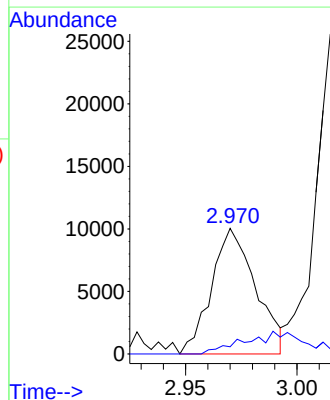
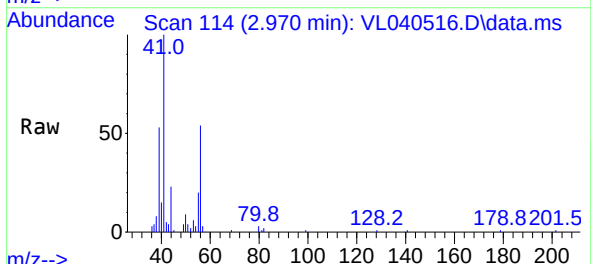
Instrument :
MSVOA_L
ClientSampleId :
IA1

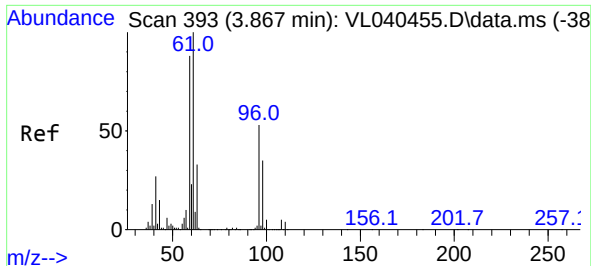
Tgt Ion: 43 Resp: 928343
Ion Ratio Lower Upper
43 100
58 26.9 22.9 34.3



#16
1,3-Butadiene
Concen: 0.257 ppbv
RT: 2.970 min Scan# 114
Delta R.T. -0.023 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 39 Resp: 13832
Ion Ratio Lower Upper
39 100
54 26.0 66.6 100.0#

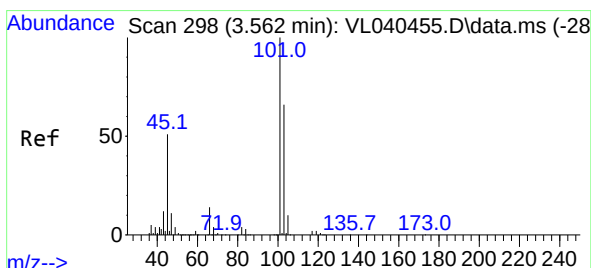
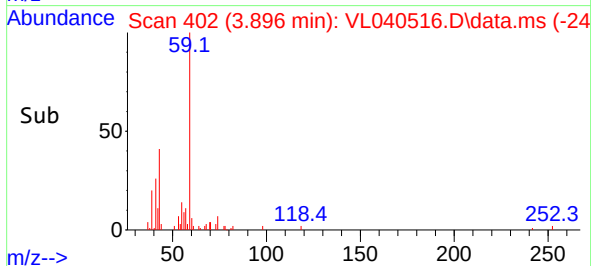
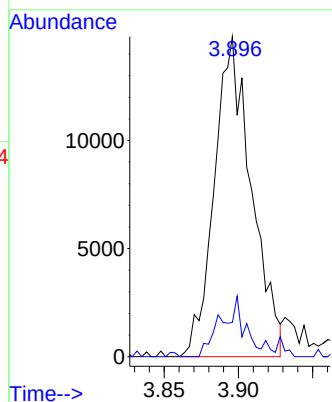
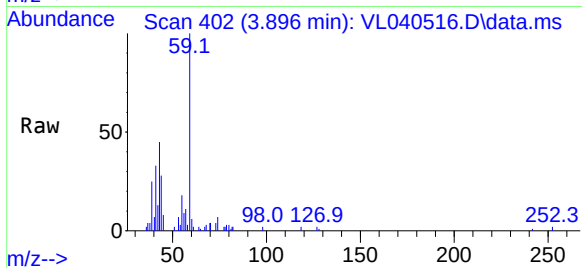




#17
tert-Butyl alcohol
Concen: 0.233 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.013 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

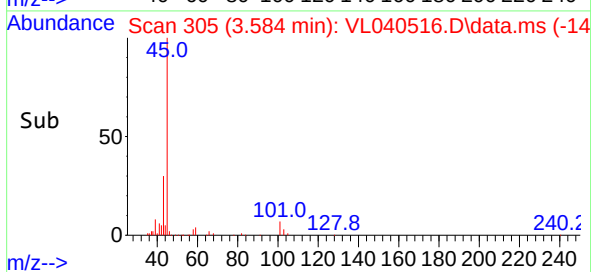
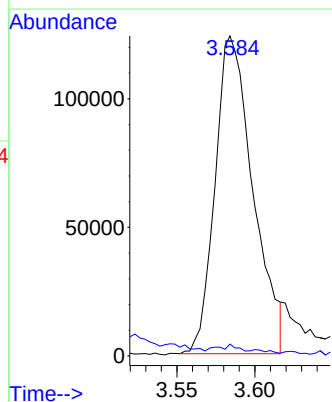
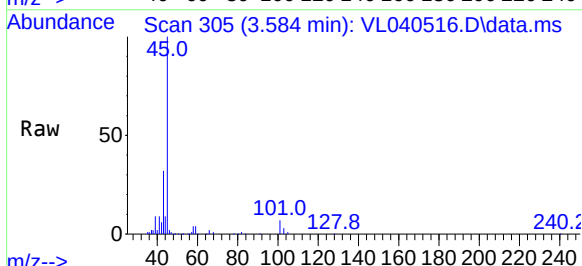
Instrument :
MSVOA_L
ClientSampleId :
IA1

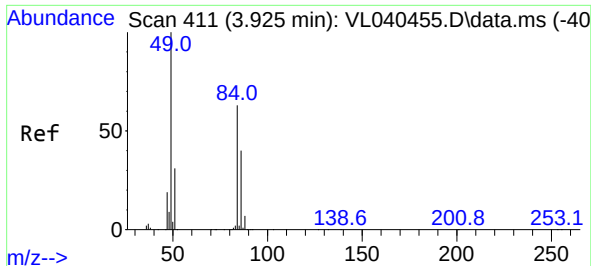
Tgt Ion: 59 Resp: 25700
Ion Ratio Lower Upper
59 100
57 14.3 8.7 13.1#



#19
Isopropyl Alcohol
Concen: 3.412 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 45 Resp: 209024
Ion Ratio Lower Upper
45 100
58 119.5 1.1 1.7#

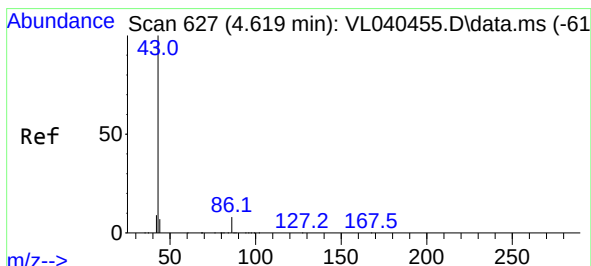
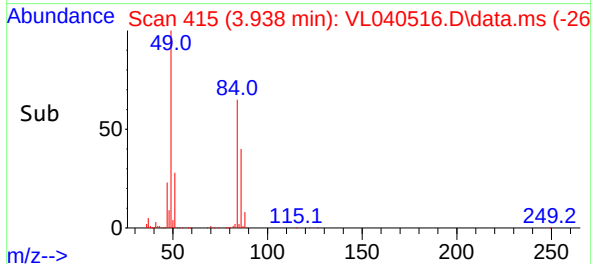
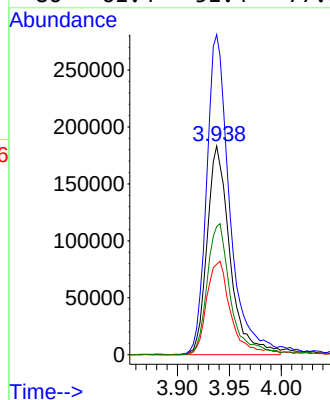
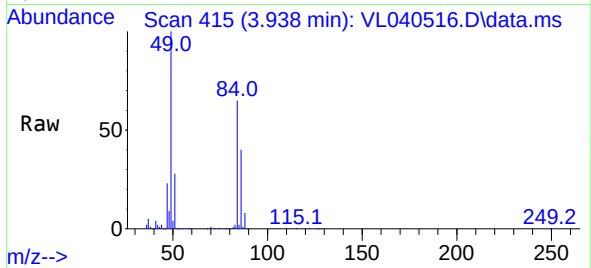




#20
Methylene Chloride
Concen: 6.200 ppbv
RT: 3.938 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

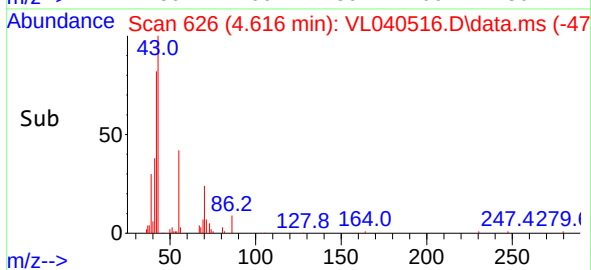
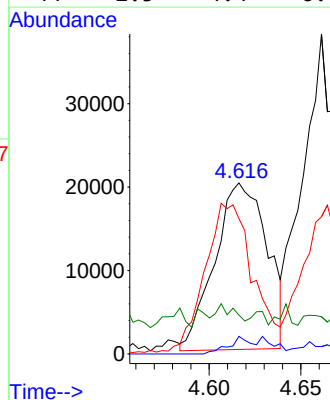
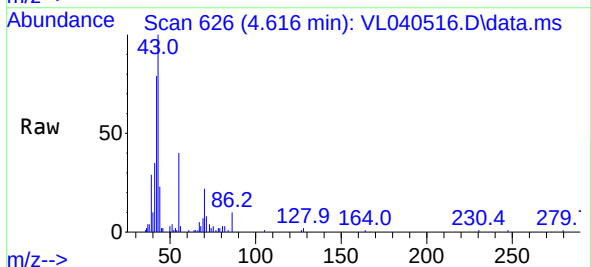
Instrument :
MSVOA_L
ClientSampleId :
IA1

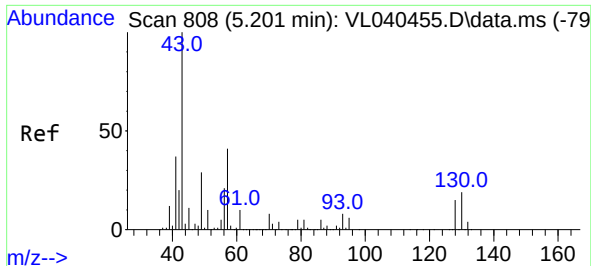
Tgt Ion: 84 Resp: 281401
Ion Ratio Lower Upper
84 100
49 153.2 123.4 185.2
51 43.2 38.3 57.5
86 61.4 51.4 77.0



#23
Vinyl Acetate
Concen: 0.389 ppbv
RT: 4.616 min Scan# 626
Delta R.T. -0.019 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 43 Resp: 39572
Ion Ratio Lower Upper
43 100
86 11.0 5.6 8.4#
42 78.0 7.4 11.2#
44 2.5 4.4 6.6#

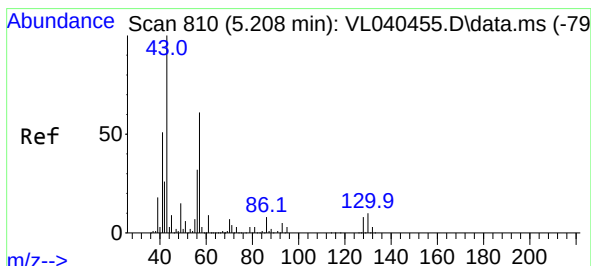
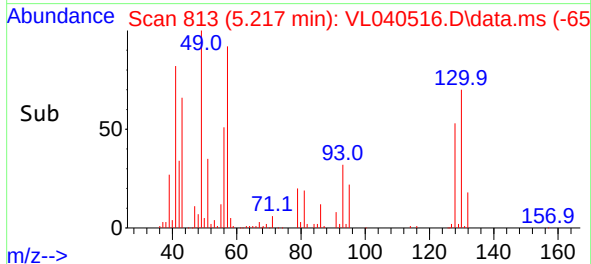
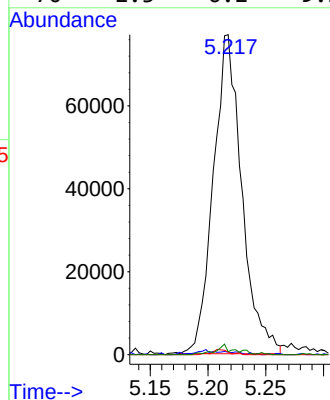
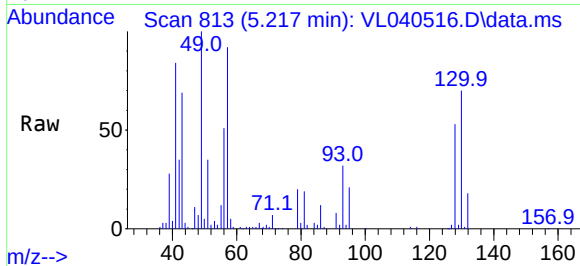




#25
Ethyl Acetate
Concen: 0.649 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.006 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

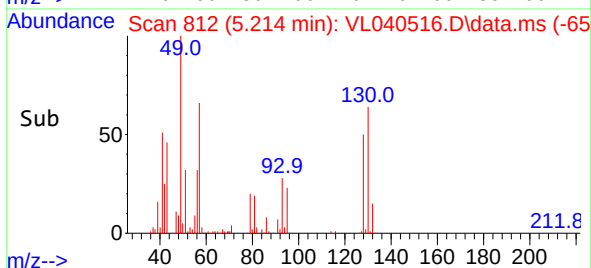
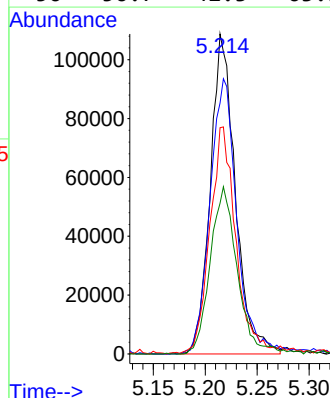
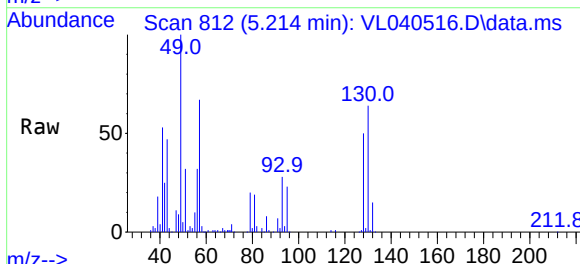
Instrument :
MSVOA_1
ClientSampleId :
IA1

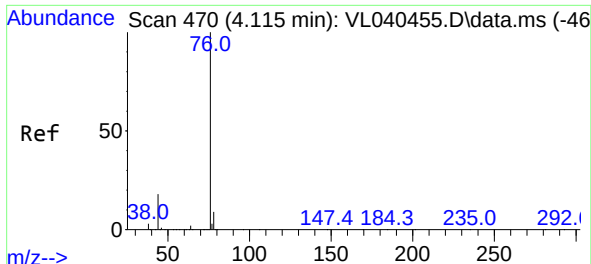
Tgt Ion: 43 Resp: 131834
Ion Ratio Lower Upper
43 100
45 1.7 8.2 12.4#
61 1.0 8.3 12.5#
70 2.3 6.2 9.2#



#26
Hexane
Concen: 1.927 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.007 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 57 Resp: 181888
Ion Ratio Lower Upper
57 100
41 94.5 69.5 104.3
43 74.1 177.1 265.7#
56 56.7 42.3 63.5

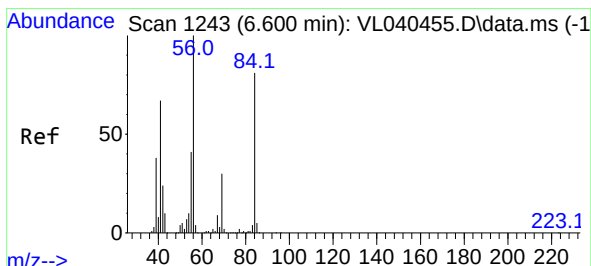
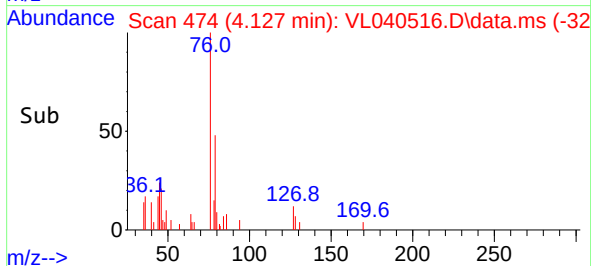
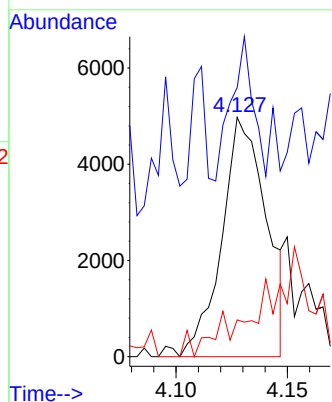
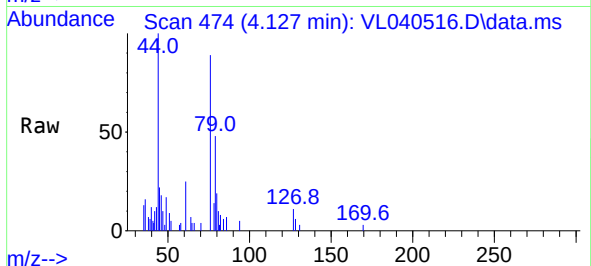




#27
Carbon Disulfide
Concen: 0.062 ppbv
RT: 4.127 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

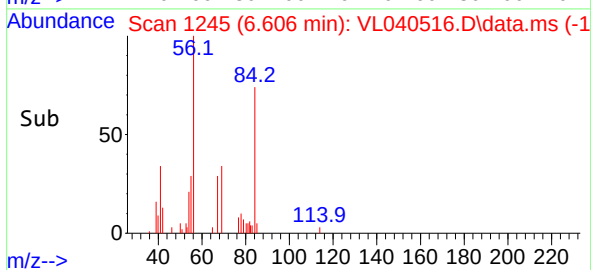
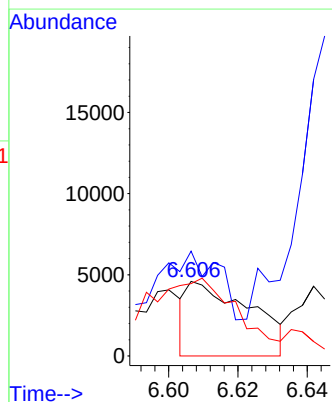
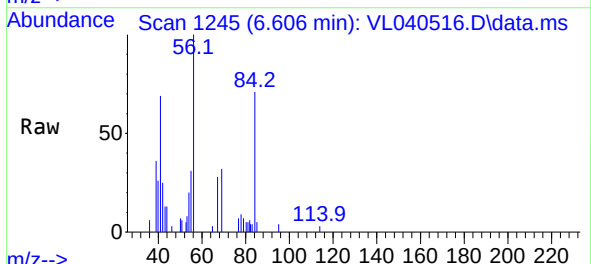
Instrument :
MSVOA_L
ClientSampleId :
IA1

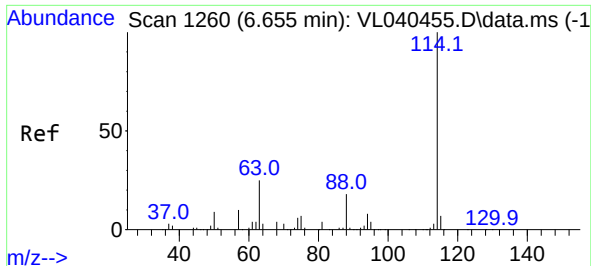
Tgt Ion: 76 Resp: 6897
Ion Ratio Lower Upper
76 100
44 113.7 15.1 22.7#
78 0.0 7.5 11.3#



#30
Cyclohexane
Concen: 0.073 ppbv
RT: 6.606 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 84 Resp: 5753
Ion Ratio Lower Upper
84 100
56 206.6 108.7 163.1#
41 224.9 64.5 96.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

Instrument :

MSVOA_L

ClientSampleId :

IA1

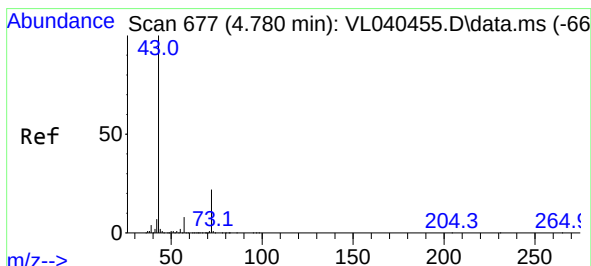
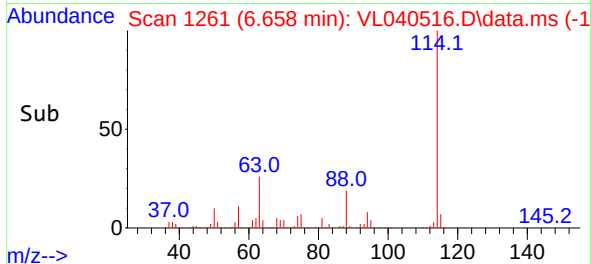
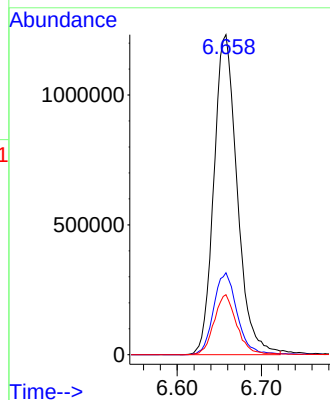
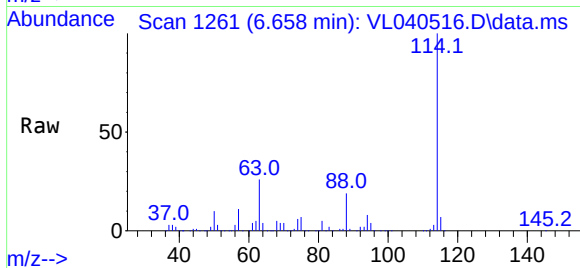
Tgt Ion:114 Resp: 2367245

Ion Ratio Lower Upper

114 100

63 26.1 19.6 29.4

88 18.5 14.2 21.2



#34

2-Butanone

Concen: 0.486 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.003 min

Lab File: VL040516.D

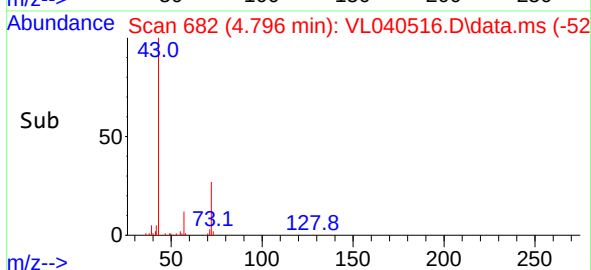
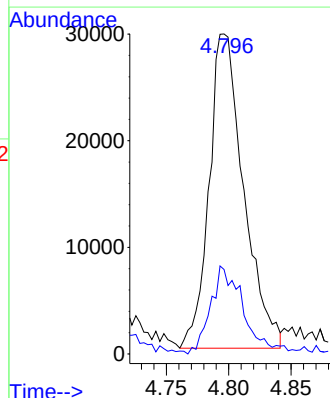
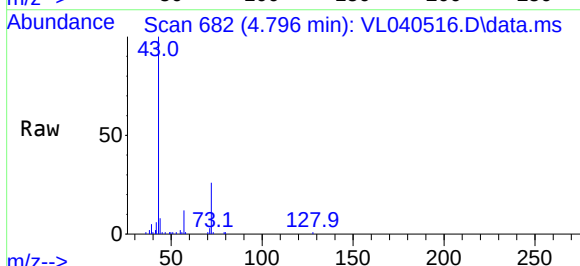
Acq: 10 Jul 2023 21:12

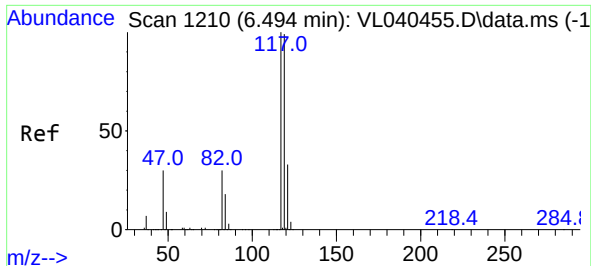
Tgt Ion: 43 Resp: 56894

Ion Ratio Lower Upper

43 100

72 28.3 19.1 28.7

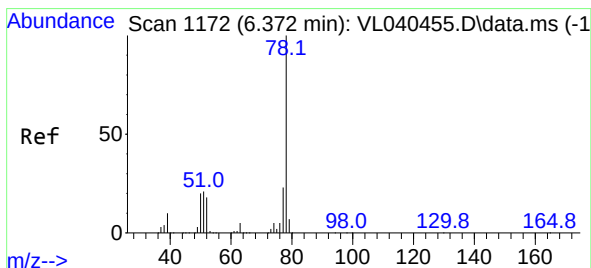
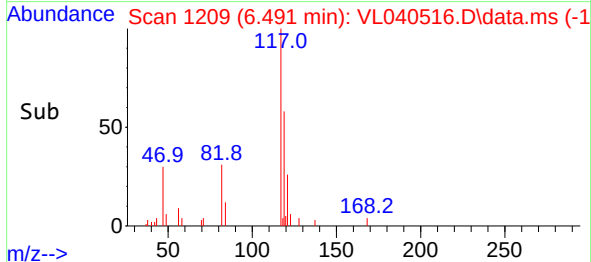
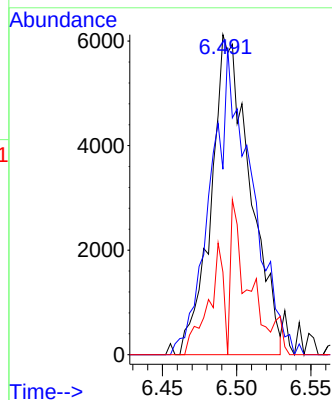
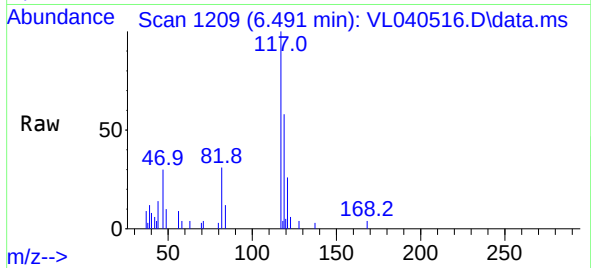




#35
Carbon Tetrachloride
Concen: 0.078 ppbv
RT: 6.491 min Scan# 1115
Delta R.T. -0.013 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

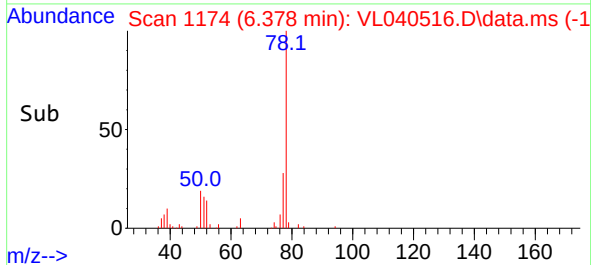
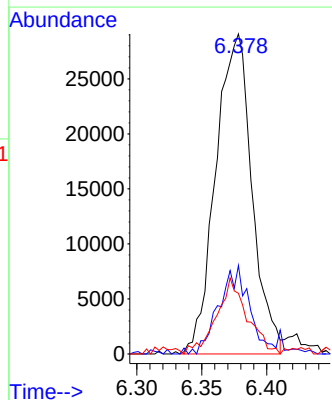
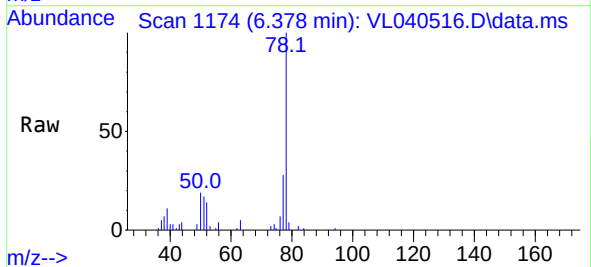
Instrument :
MSVOA_L
ClientSampleId :
IA1

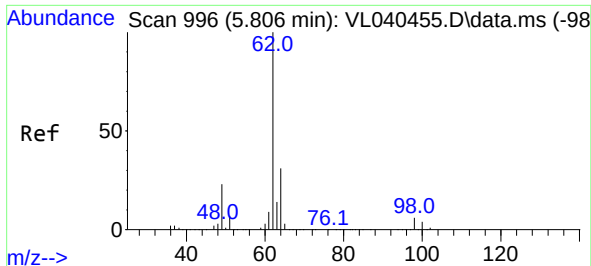
Tgt Ion:117 Resp: 11157
Ion Ratio Lower Upper
117 100
119 52.9 77.8 116.6#
121 25.8 24.8 37.2



#36
Benzene
Concen: 0.296 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 78 Resp: 56396
Ion Ratio Lower Upper
78 100
77 27.7 17.4 26.0#
50 18.9 14.4 21.6





#37

1,2-Dichloroethane

Concen: 0.034 ppbv

RT: 5.809 min Scan# 996

Delta R.T. -0.007 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

Instrument :

MSVOA_L

ClientSampleId :

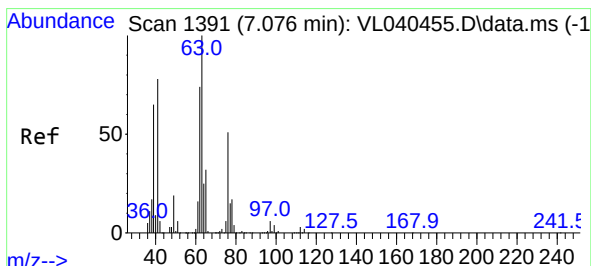
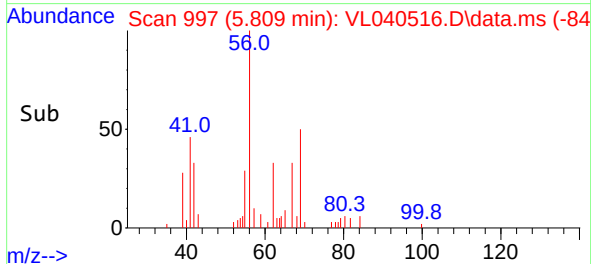
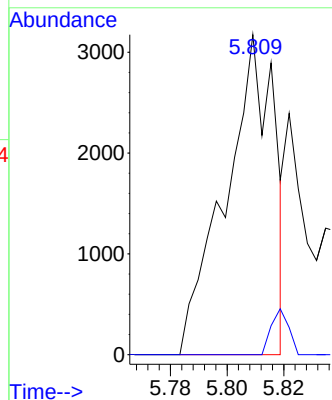
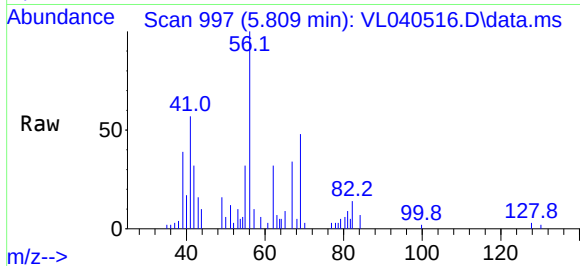
IA1

Tgt Ion: 62 Resp: 3786

Ion Ratio Lower Upper

62 100

98 0.0 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 8.332 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.425 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

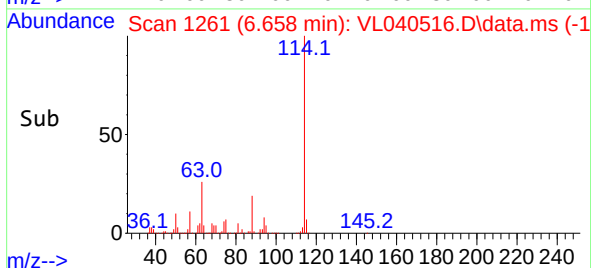
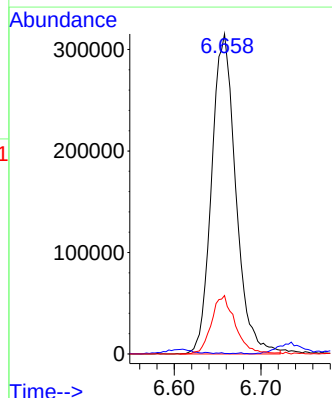
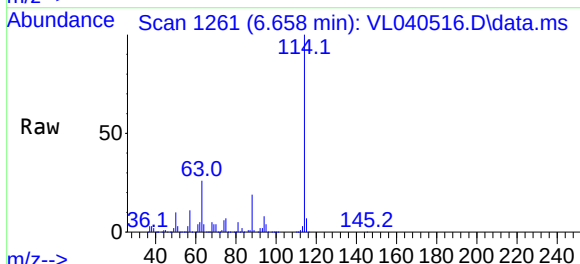
Tgt Ion: 63 Resp: 610956

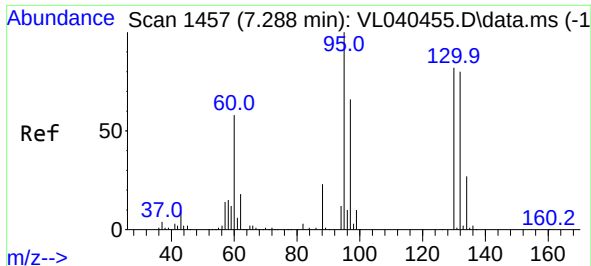
Ion Ratio Lower Upper

63 100

41 0.0 54.3 81.5#

62 18.3 55.6 83.4#

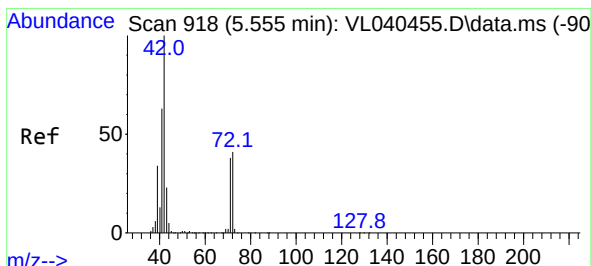
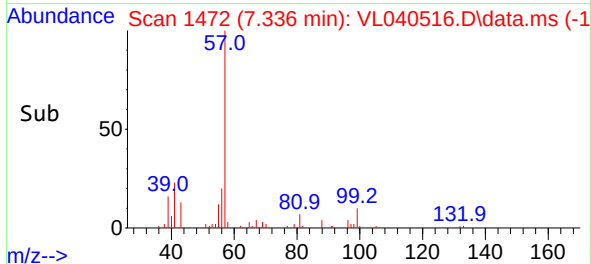
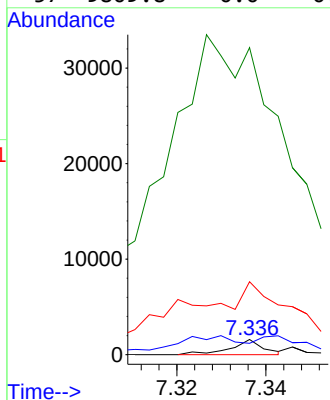
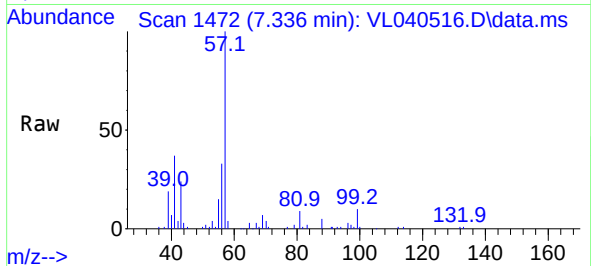




#40
1,4-Dioxane
Concen: 0.035 ppbv
RT: 7.336 min Scan# 1457
Delta R.T. 0.038 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

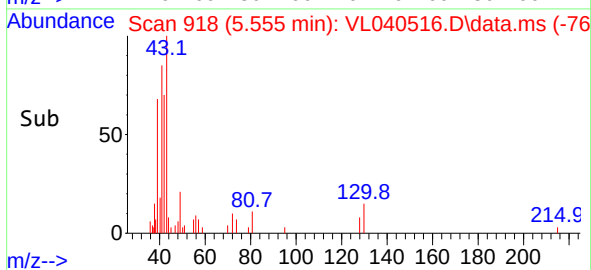
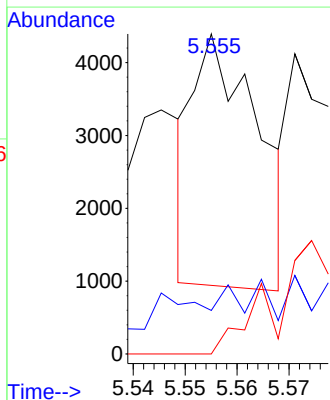
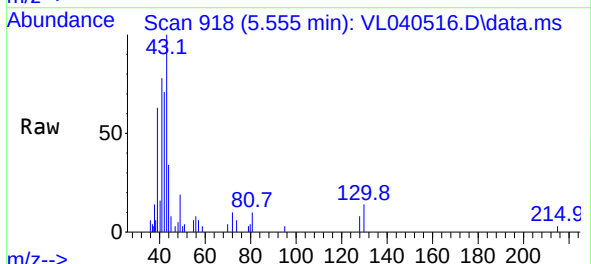
Instrument :
MSVOA_L
ClientSampleId :
IA1

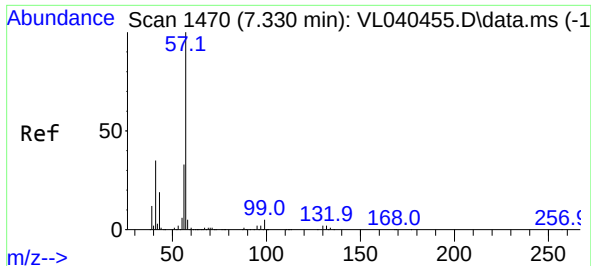
Tgt Ion: 88 Resp: 803
Ion Ratio Lower Upper
88 100
58 522.5 58.6 88.0#
43 1994.9 0.0 0.0#
57 9809.8 0.0 0.0#



#41
Tetrahydrofuran
Concen: 0.044 ppbv
RT: 5.555 min Scan# 918
Delta R.T. -0.010 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 42 Resp: 2999
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.8#
71 0.0 33.0 49.6#

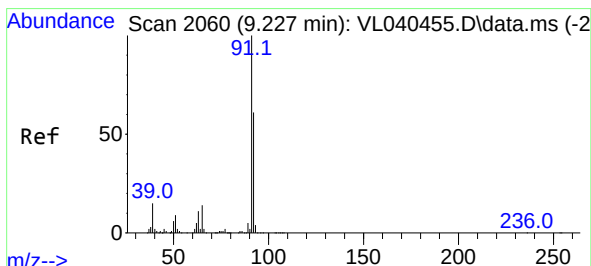
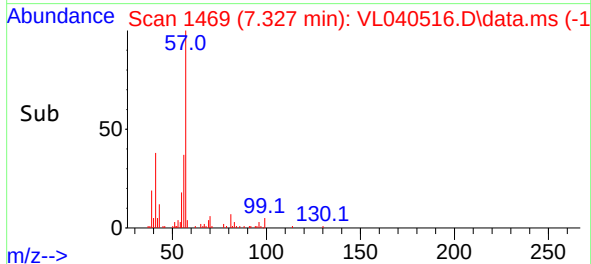
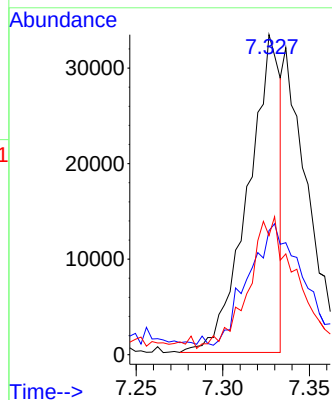
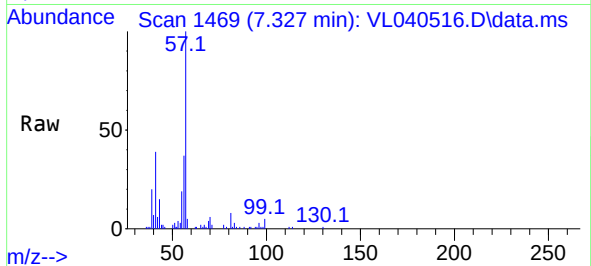




#44
2,2,4-Trimethylpentane
Concen: 0.140 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.010 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

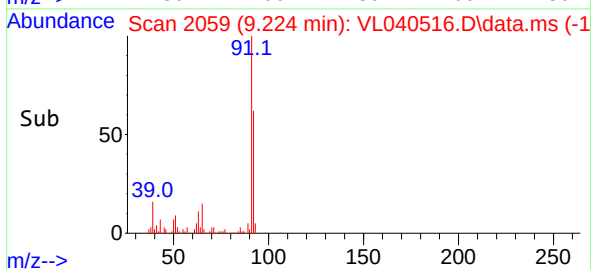
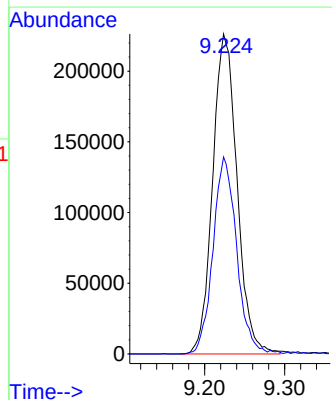
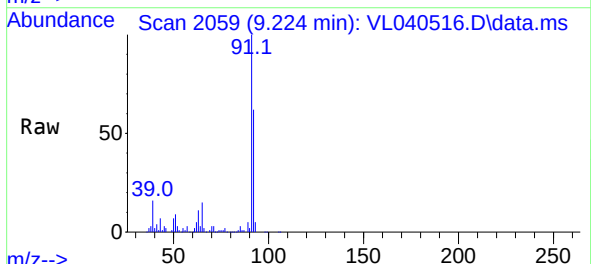
Instrument : MSVOA_1
ClientSampleId : IA1

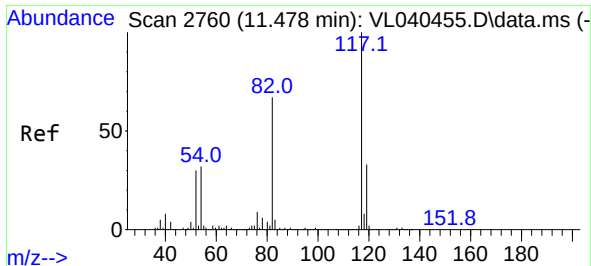
Tgt Ion: 57 Resp: 42972
Ion Ratio Lower Upper
57 100
41 78.3 25.5 38.3#
56 75.1 25.1 37.7#



#53
Toluene
Concen: 2.315 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. -0.007 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 91 Resp: 478880
Ion Ratio Lower Upper
91 100
92 60.0 49.1 73.7

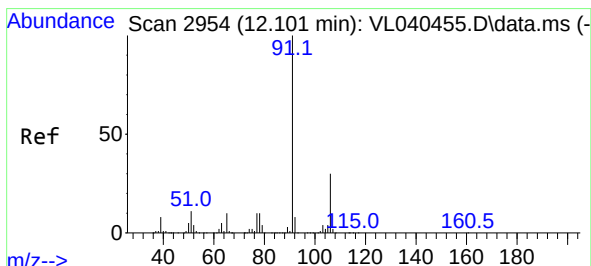
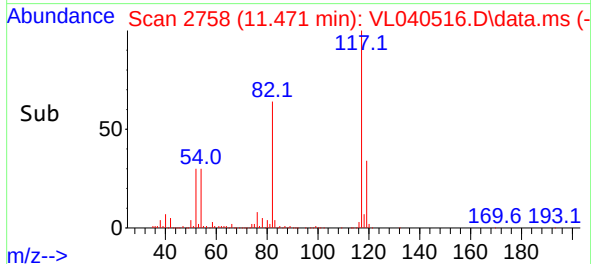
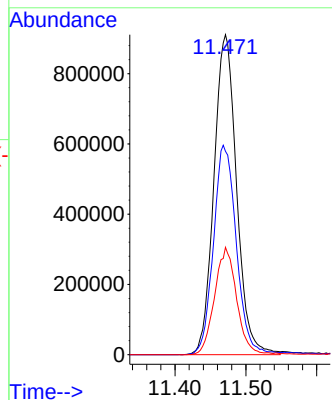
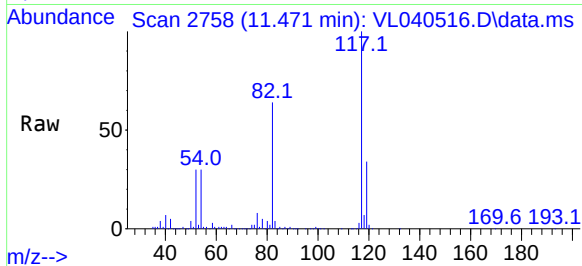




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

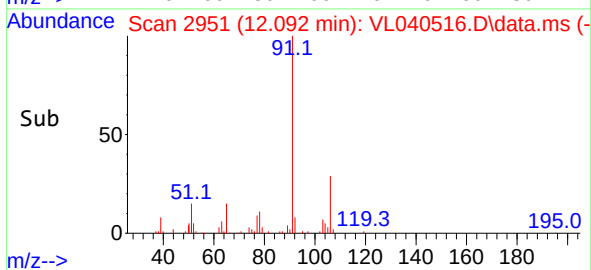
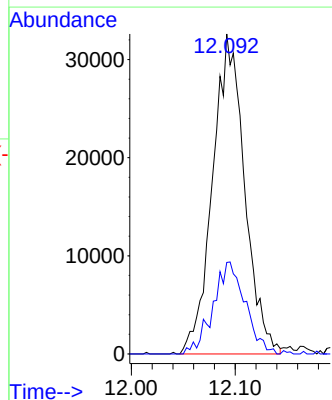
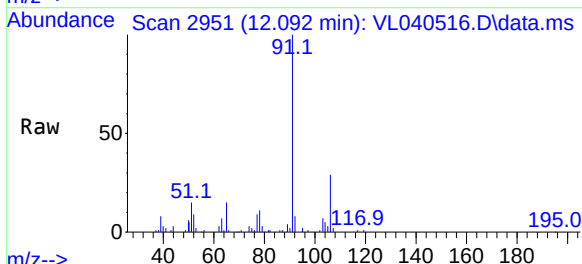
Instrument :
MSVOA_L
ClientSampleId :
IA1

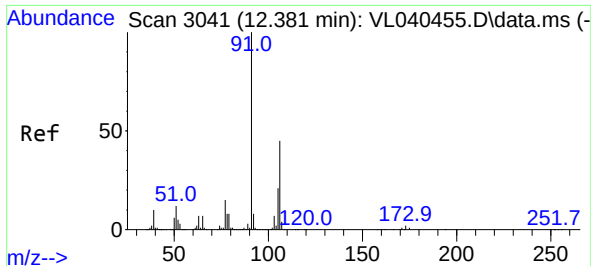
Tgt Ion:117 Resp: 2022078
Ion Ratio Lower Upper
117 100
82 67.2 50.2 75.4
119 33.0 26.9 40.3



#58
Ethyl Benzene
Concen: 0.275 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.010 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 91 Resp: 69772
Ion Ratio Lower Upper
91 100
106 28.6 25.4 38.0





#59

m/p-Xylene

Concen: 0.970 ppbv

RT: 12.349 min Scan# 3041

Delta R.T. -0.036 min

Lab File: VL040516.D

Acq: 10 Jul 2023 21:12

Instrument :

MSVOA_L

ClientSampleId :

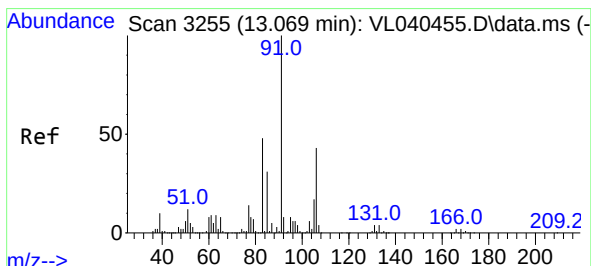
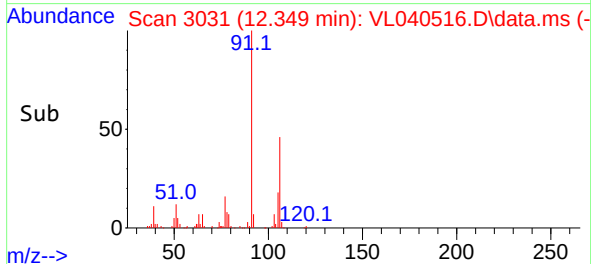
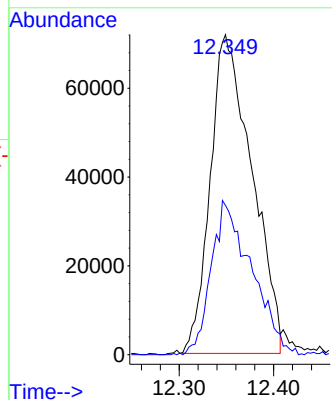
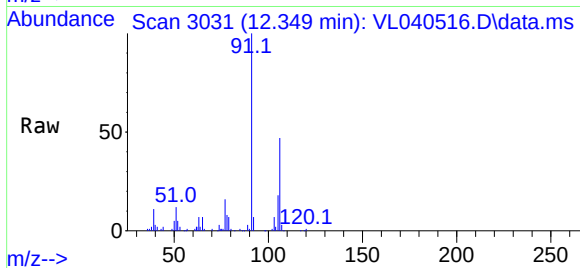
IA1

Tgt Ion: 91 Resp: 219658

Ion Ratio Lower Upper

91 100

106 47.0 35.9 53.9



#60

o-Xylene

Concen: 0.494 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.010 min

Lab File: VL040516.D

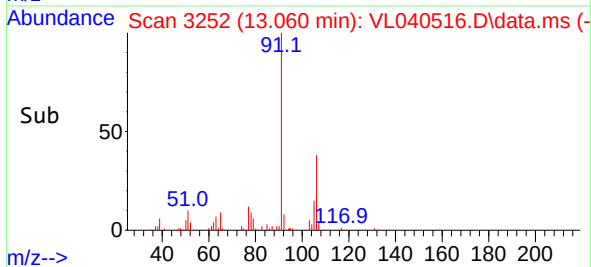
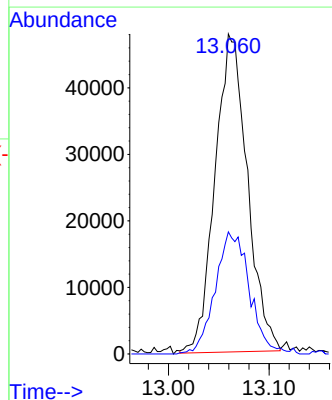
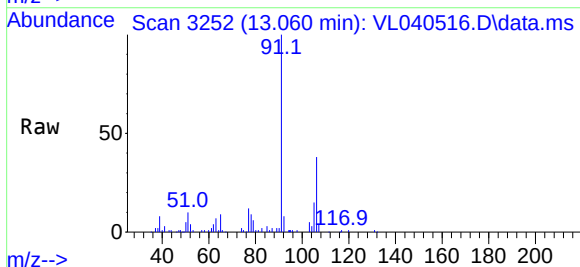
Acq: 10 Jul 2023 21:12

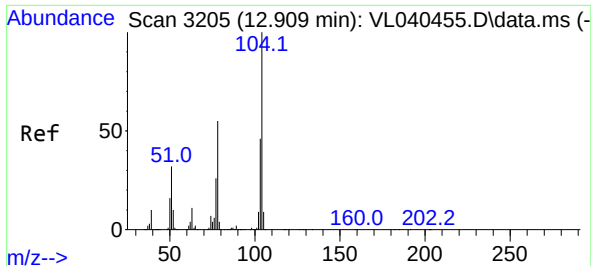
Tgt Ion: 91 Resp: 106582

Ion Ratio Lower Upper

91 100

106 40.9 22.7 68.0

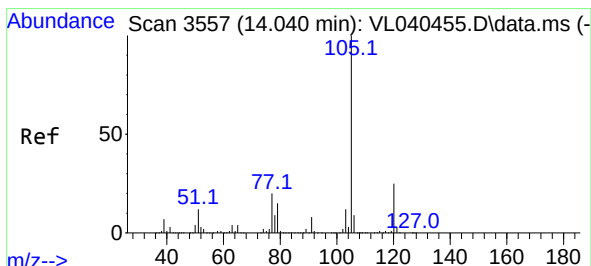
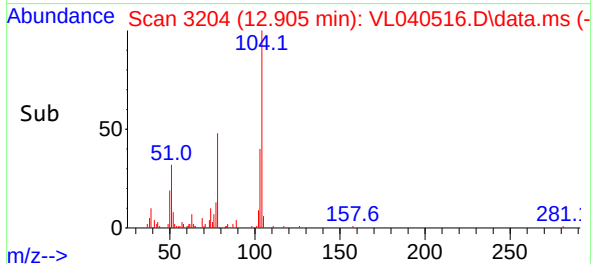
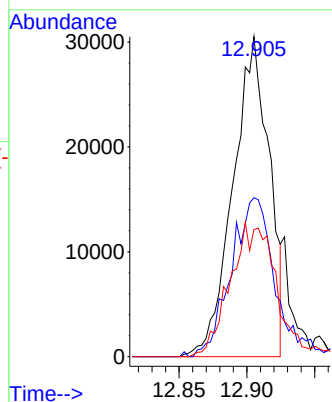
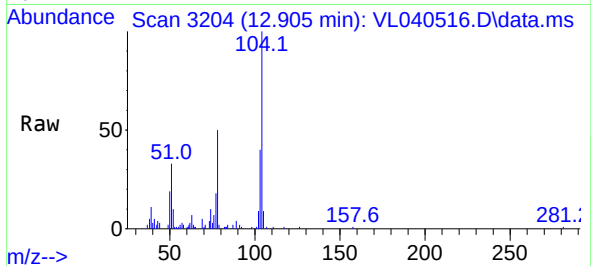




#61
Styrene
Concen: 0.570 ppbv
RT: 12.905 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

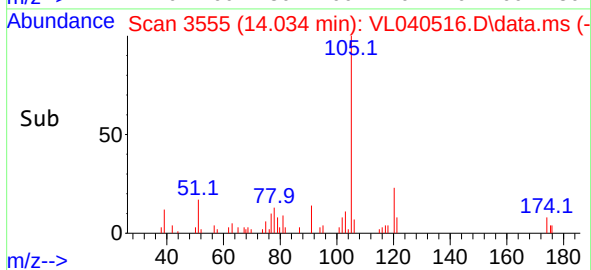
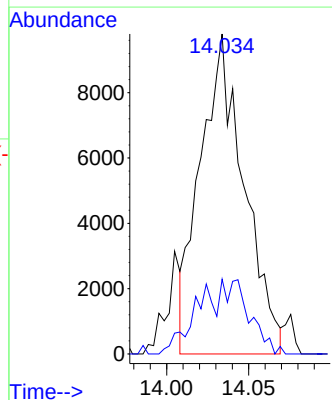
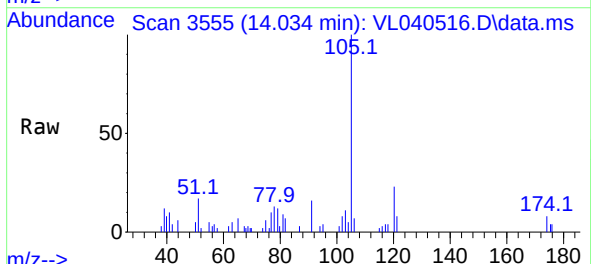
Instrument :
MSVOA_L
ClientSampleId :
IA1

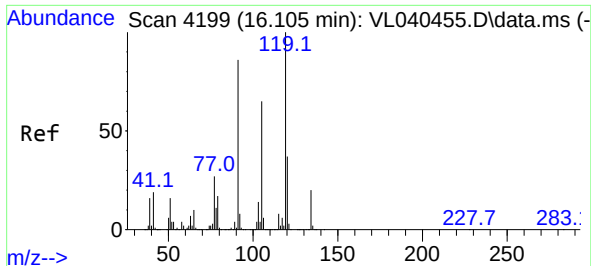
Tgt Ion:104 Resp: 56702
Ion Ratio Lower Upper
104 100
78 62.1 40.1 60.1#
103 54.5 37.0 55.4



#62
Isopropylbenzene
Concen: 0.056 ppbv
RT: 14.034 min Scan# 3555
Delta R.T. -0.007 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion:105 Resp: 18125
Ion Ratio Lower Upper
105 100
120 27.0 20.8 31.2

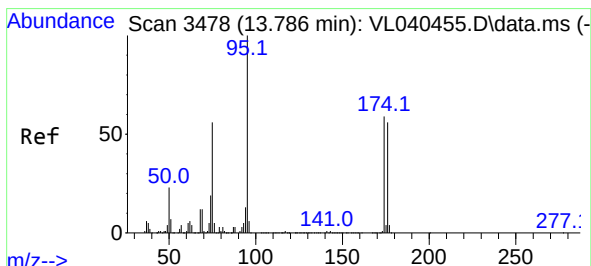
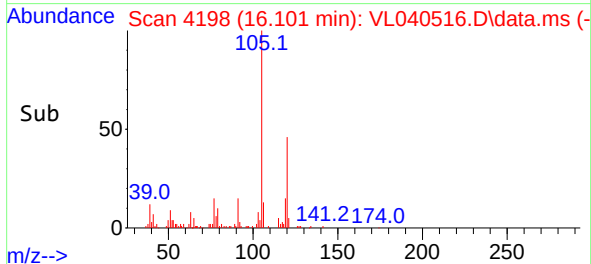
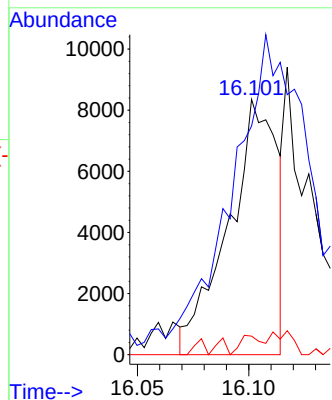
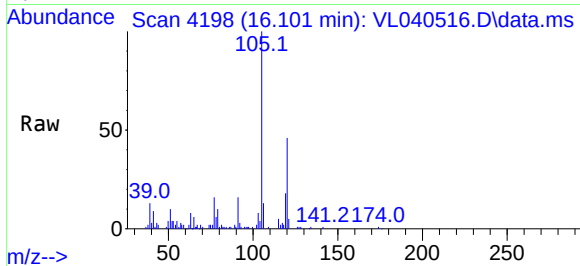




#65
tert-Butylbenzene
Concen: 0.044 ppbv
RT: 16.101 min Scan# 4199
Delta R.T. -0.000 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

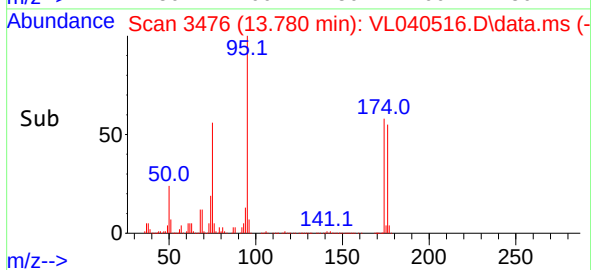
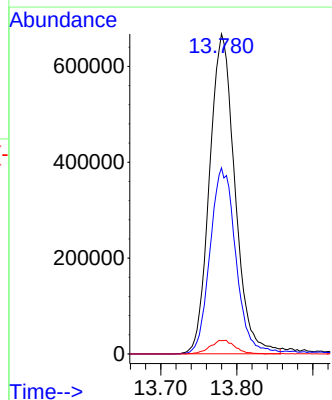
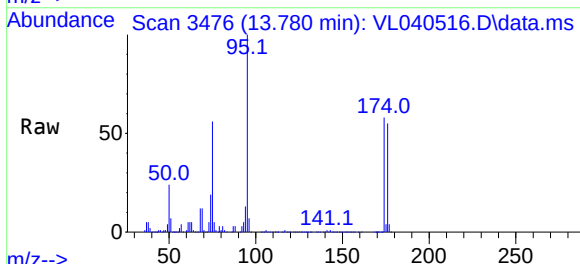
Instrument :
MSVOA_L
ClientSampleId :
IA1

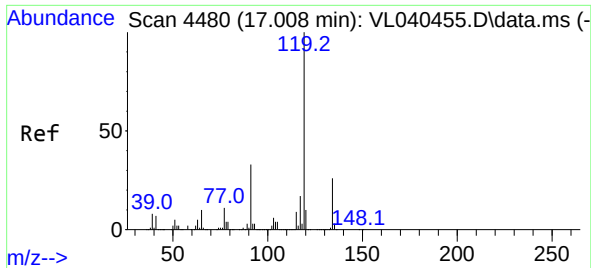
Tgt Ion:119 Resp: 12637
Ion Ratio Lower Upper
119 100
91 207.1 66.1 99.1#
134 0.0 15.7 23.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.687 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion: 95 Resp: 1550300
Ion Ratio Lower Upper
95 100
174 59.7 50.6 75.8
175 4.3 3.7 5.5

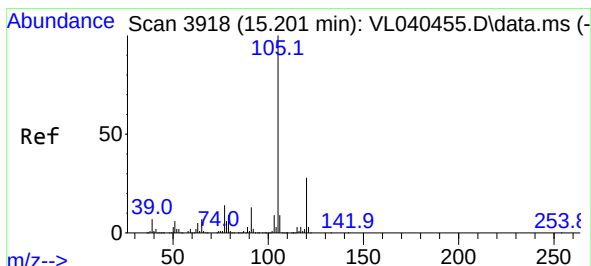
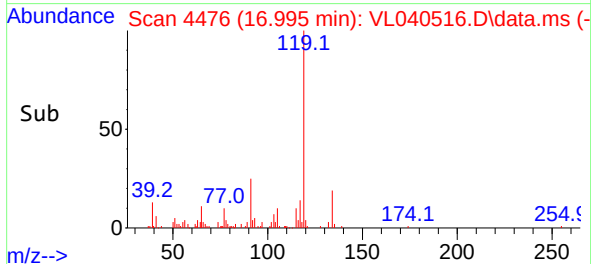
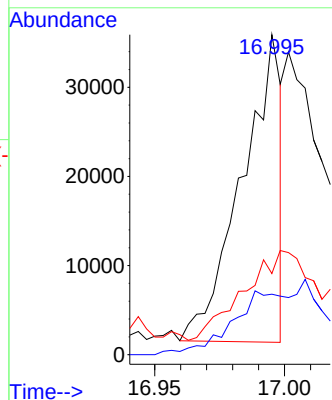
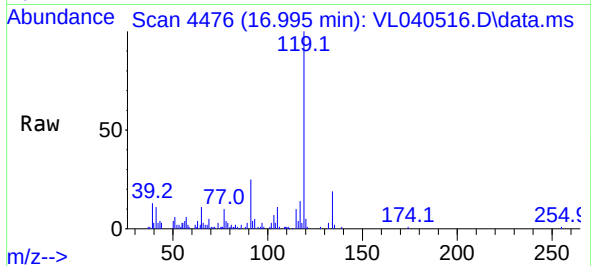




#69
p-Isopropyltoluene
Concen: 0.104 ppbv
RT: 16.995 min Scan# 4480
Delta R.T. -0.010 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

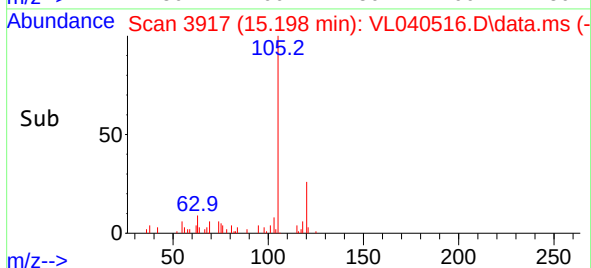
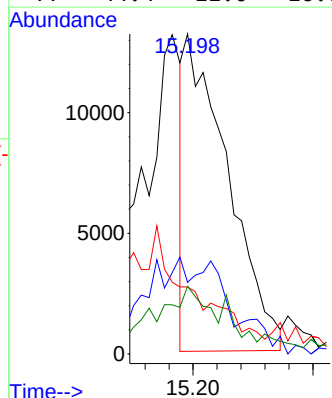
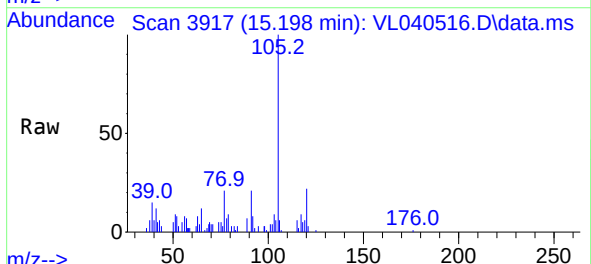
Instrument :
MSVOA_L
ClientSampleId :
IA1

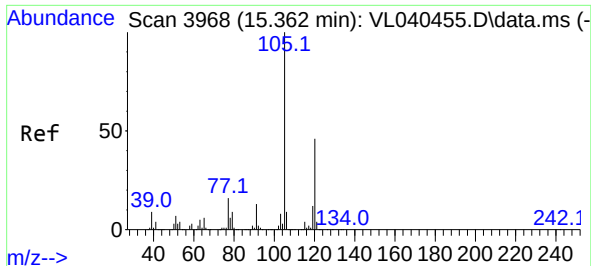
Tgt Ion:119 Resp: 36241
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7#
91 81.7 23.8 35.8#



#72
4-Ethyltoluene
Concen: 0.065 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.007 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion:105 Resp: 16377
Ion Ratio Lower Upper
105 100
120 58.6 24.6 37.0#
91 0.0 10.7 16.1#
77 44.4 11.0 16.6#

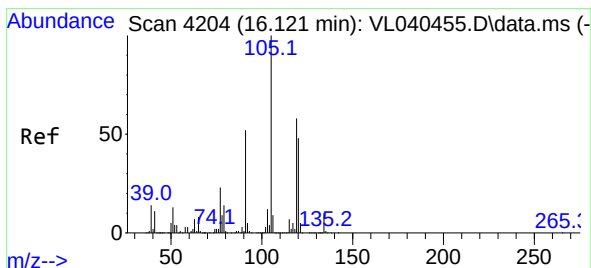
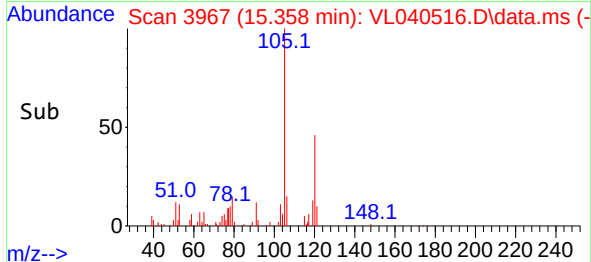
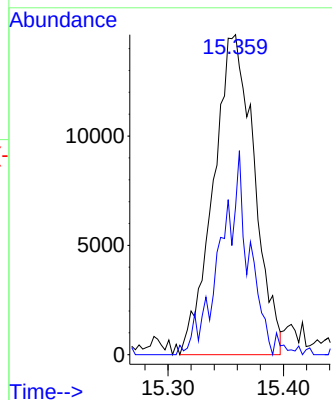
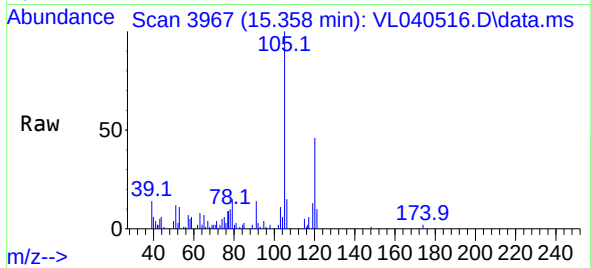




#73
1,3,5-Trimethylbenzene
Concen: 0.161 ppbv
RT: 15.358 min Scan# 3967
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

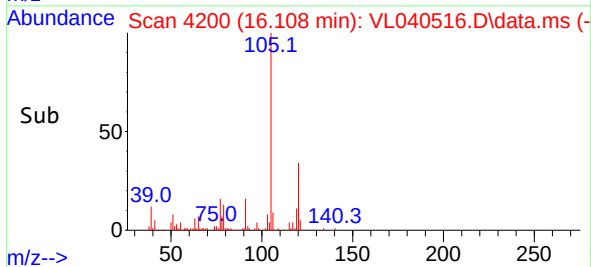
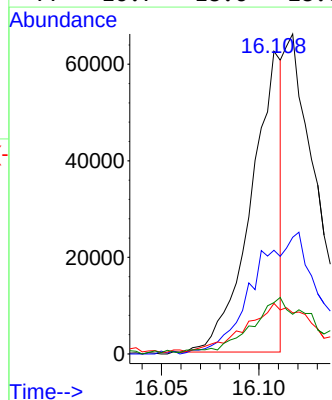
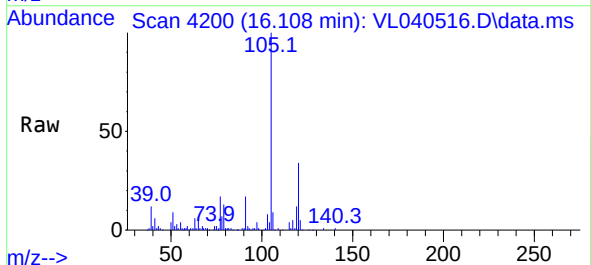
Instrument :
MSVOA_L
ClientSampleId :
IA1

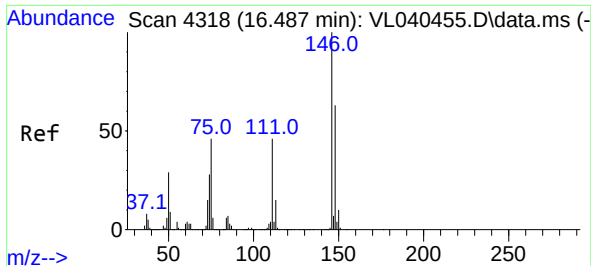
Tgt Ion:105 Resp: 35925
Ion Ratio Lower Upper
105 100
120 43.4 38.2 57.2



#74
1,2,4-Trimethylbenzene
Concen: 0.263 ppbv
RT: 16.108 min Scan# 4200
Delta R.T. -0.010 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Tgt Ion:105 Resp: 68233
Ion Ratio Lower Upper
105 100
120 34.5 40.3 60.5#
91 15.5 46.8 70.2#
77 16.7 18.6 28.0#

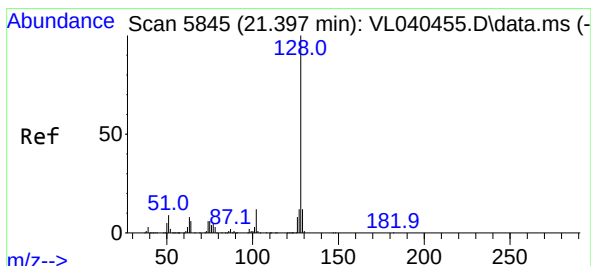
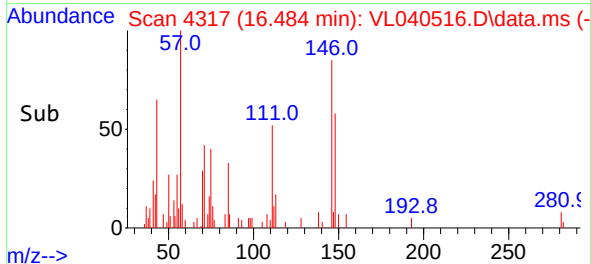
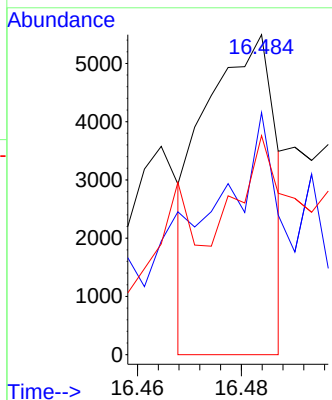
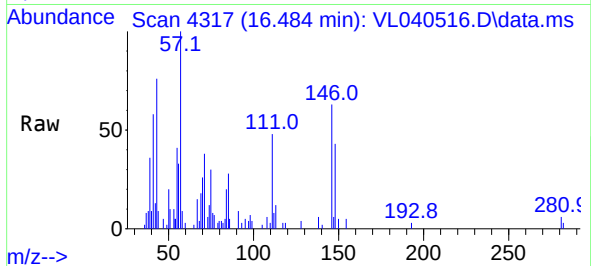




#76
1,4-Dichlorobenzene
Concen: 0.034 ppbv
RT: 16.484 min Scan# 4318
Delta R.T. -0.003 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

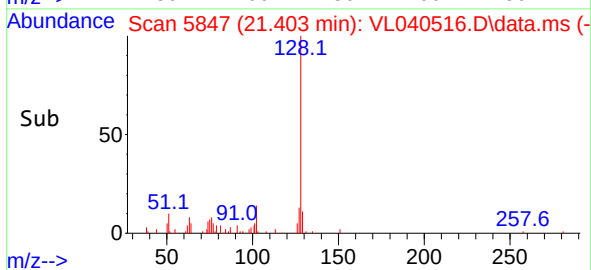
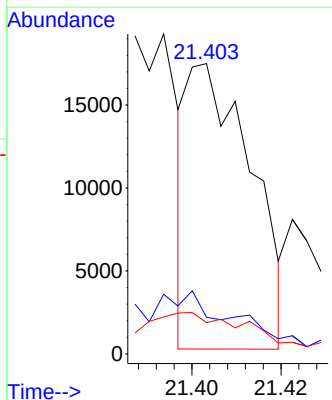
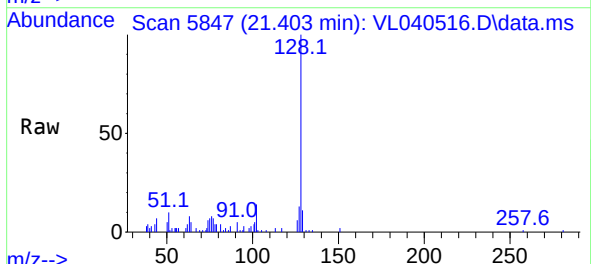
Instrument :
MSVOA_L
ClientSampleId :
IA1

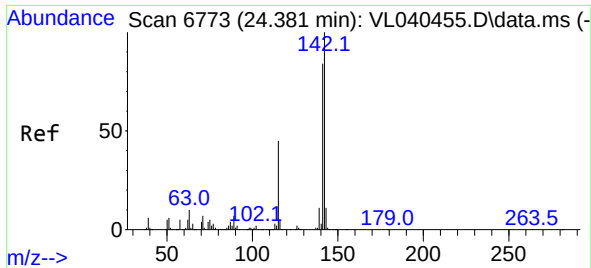
Tgt Ion:146 Resp: 5248
Ion Ratio Lower Upper
146 100
111 151.0 22.8 68.3#
148 167.3 32.6 97.8#



#79
Naphthalene
Concen: 0.078 ppbv
RT: 21.403 min Scan# 5847
Delta R.T. 0.010 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

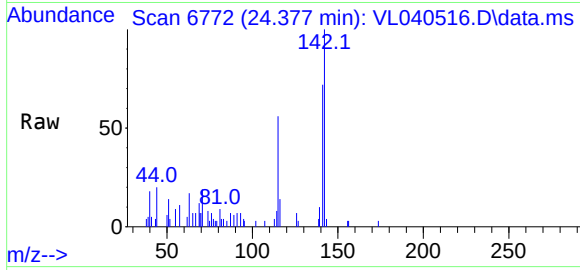
Tgt Ion:128 Resp: 17089
Ion Ratio Lower Upper
128 100
127 10.9 10.7 16.1
129 10.2 9.2 13.8





#80
Naphthalene, 2-methyl-
Concen: 0.179 ppbv
RT: 24.377 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040516.D
Acq: 10 Jul 2023 21:12

Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:	142	Resp:	16213
Ion	Ratio	Lower	Upper
142	100		
141	71.8	66.7	100.1
115	50.0	33.0	49.6

