

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039993.D
 Acq On : 13 Dec 2022 2:20
 Operator : SY/MD
 Sample : N5969-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Quant Time: Dec 13 07:13:00 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1144128	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.635	114	3206964	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.545	117	1809986	10.000	ppbv	# 0.11

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.847 95 3782316 27.359 ppbv 0.11
 Spiked Amount 10.000 Range 65 - 135 Recovery = 273.600%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.700	85	9709	0.059 ppbv	89
3) Chlorodifluoromethane	2.671	51	51437	0.326 ppbv	92
4) Chloromethane	2.787	50	27282	0.270 ppbv	92
7) Chloroethane	3.176	64	1598	0.051 ppbv	91
9) Propene	2.848	41	14973817	201.345 ppbv	88
10) Heptane	7.523	43	8332552	46.433 ppbv #	27
11) Trichlorofluoromethane	3.542	101	51517	0.258 ppbv	85
12) 1,1,2-Trichlorotrifluo...	4.041	101	3965	0.026 ppbv #	12
13) Ethanol	3.211	45	604798	106.517 ppbv	99
15) Acetone	3.439	43	4809653	31.693 ppbv #	24
16) 1,3-Butadiene	2.944	39	790506	10.452 ppbv #	8
17) tert-Butyl alcohol	3.867	59	95420	0.547 ppbv #	72
19) Isopropyl Alcohol	3.555	45	454713	5.534 ppbv #	29
20) Methylene Chloride	3.912	84	788298	10.722 ppbv	96
21) Allyl Chloride	3.935	41	164071	1.559 ppbv #	63
23) Vinyl Acetate	4.594	43	18917089	303.427 ppbv #	1
24) 1,1-Dichloroethane	4.594	63	116845	0.777 ppbv #	89
25) Ethyl Acetate	5.205	43	14370847	51.577 ppbv #	76
26) Hexane	5.208	57	18241141	149.866 ppbv #	39
27) Carbon Disulfide	4.098	76	3239	0.021 ppbv #	47
29) Chloroform	5.253	83	109628	0.678 ppbv	96
30) Cyclohexane	6.603	84	7121833	59.623 ppbv #	67
34) 2-Butanone	4.761	43	1036436	6.754 ppbv	94
36) Benzene	6.356	78	791602	2.904 ppbv #	90
37) 1,2-Dichloroethane	5.809	62	27557	0.184 ppbv #	81
39) 1,2-Dichloropropane	7.057	63	147197	1.386 ppbv #	1
41) Tetrahydrofuran	5.610	42	375153	3.541 ppbv #	37
42) Bromodichloromethane	7.217	83	5638645	27.833 ppbv #	24
43) Methyl Methacrylate	7.545	69	6822282	63.836 ppbv #	1
44) 2,2,4-Trimethylpentane	7.227	57	1817330	3.994 ppbv #	1
45) t-1,3-Dichloropropene	8.700	75	3428	0.035 ppbv #	1
47) 1,1,2-Trichloroethane	8.896	97	9156357	83.887 ppbv #	31
50) 4-Methyl-2-Pentanone	8.278	43	17534076	63.800 ppbv	89
51) 2-Hexanone	9.555	43	6555230	30.725 ppbv #	36
52) Tetrachloroethene	10.741	164	313239	3.072 ppbv	94
53) Toluene	9.211	91	13469	0.043 ppbv #	19
57) Chlorobenzene	11.555	112	5484195	39.629 ppbv #	34
58) Ethyl Benzene	12.169	91	1745228	7.107 ppbv #	46
59) m/p-Xylene	12.461	91	394532	1.920 ppbv #	62
60) o-Xylene	13.526	91	18264	0.093 ppbv	76
61) Styrene	12.986	104	3369	0.029 ppbv #	28
62) Isopropylbenzene	14.098	105	687362	2.432 ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.150	83	1636804	25.011 ppbv #	24

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039993.D
Acq On : 13 Dec 2022 2:20
Operator : SY/MD
Sample : N5969-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

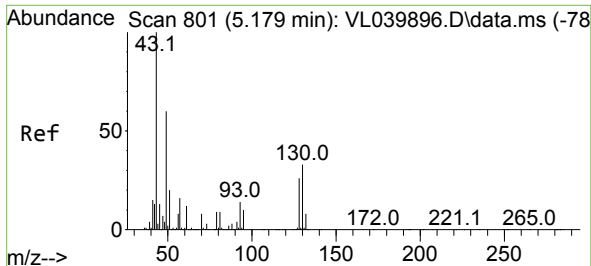
Quant Time: Dec 13 07:13:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Benzyl Chloride	16.468	91	7509	0.354	ppbv #	1
70) n-Butylbenzene	18.034	91	8790	0.032	ppbv #	32
71) 2-Chlorotoluene	14.780	91	262149	1.224	ppbv	87
80) Naphthalene,2-methyl-	24.590	142	1123	0.031	ppbv #	1

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

Quant Time: Dec 13 07:13:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

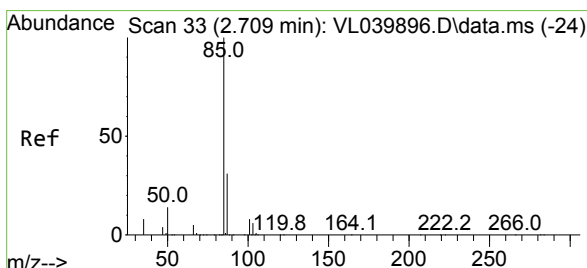
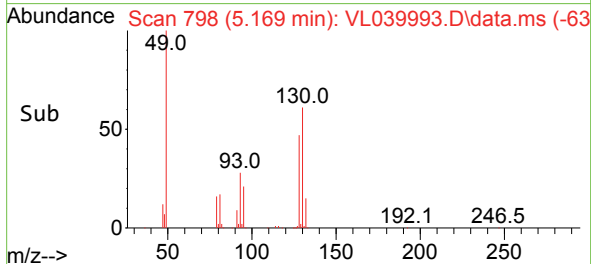
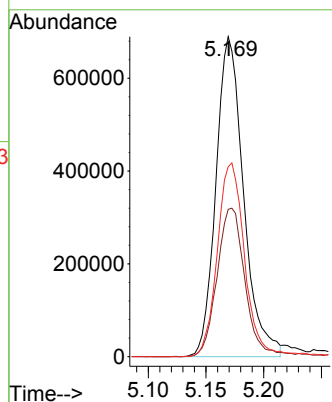
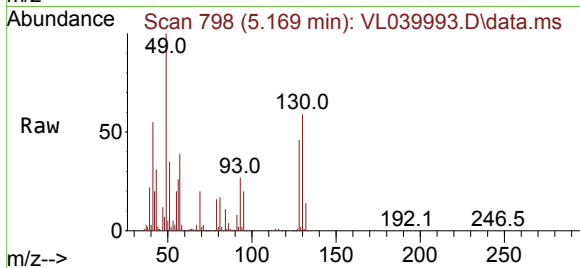




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 79
 Delta R.T. 0.013 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

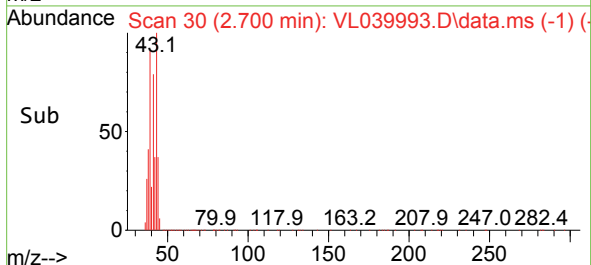
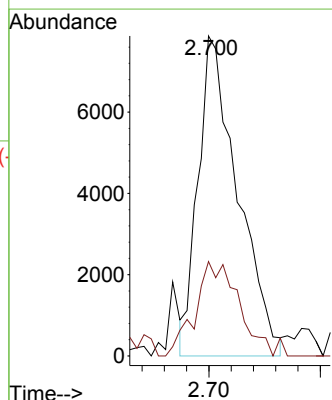
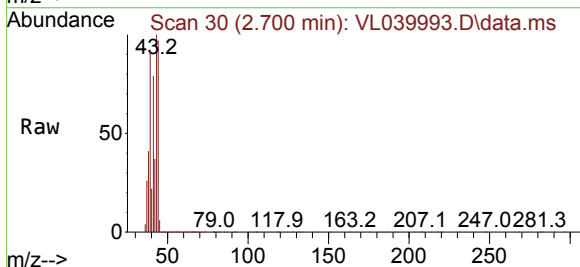
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

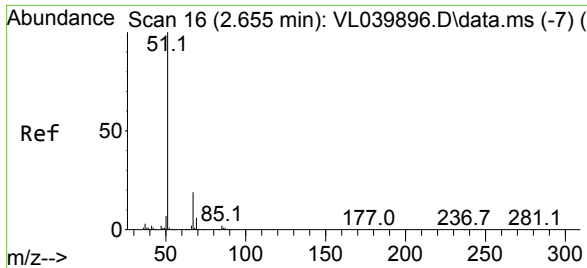
Tgt Ion: 49 Resp: 1144128
 Ion Ratio Lower Upper
 49 100
 128 48.0 22.1 66.3
 130 61.2 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.059 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

Tgt Ion: 85 Resp: 9709
 Ion Ratio Lower Upper
 85 100
 87 25.4 25.0 37.4

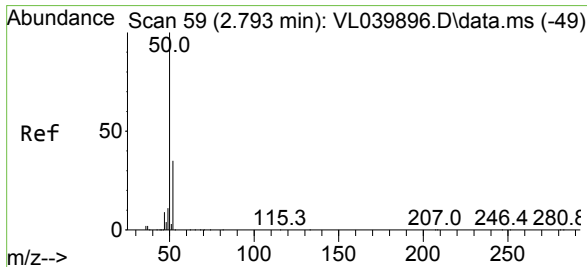
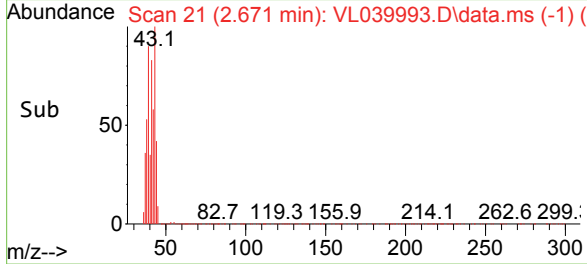
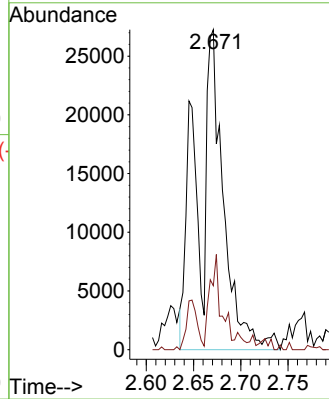
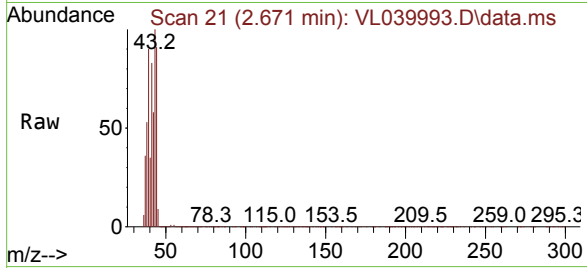




#3
Chlorodifluoromethane
Concen: 0.326 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

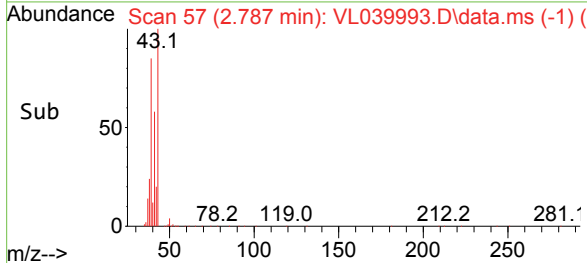
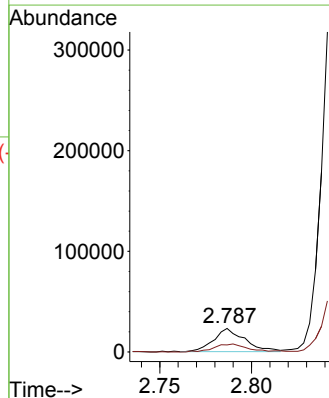
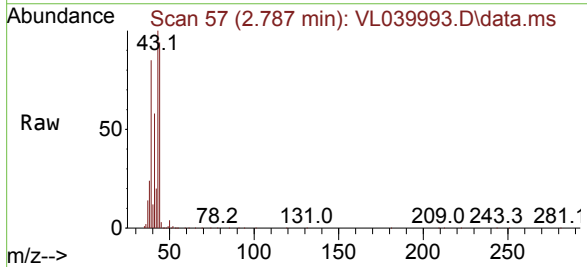
Instrument :
MSVOA_L
ClientSampleId :
SG-1

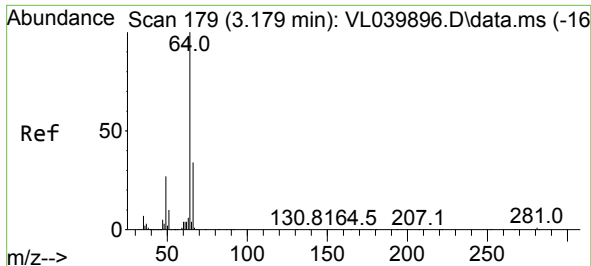
Tgt Ion: 51 Resp: 51437
Ion Ratio Lower Upper
51 100
67 21.2 14.2 21.4



#4
Chloromethane
Concen: 0.270 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.006 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 50 Resp: 27282
Ion Ratio Lower Upper
50 100
52 30.0 27.8 41.8

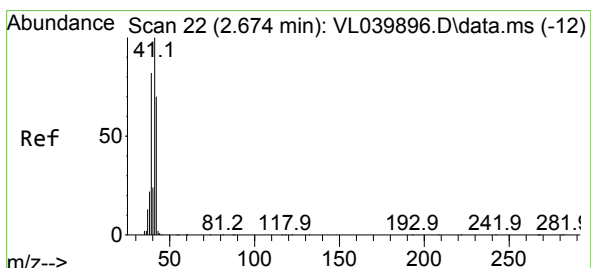
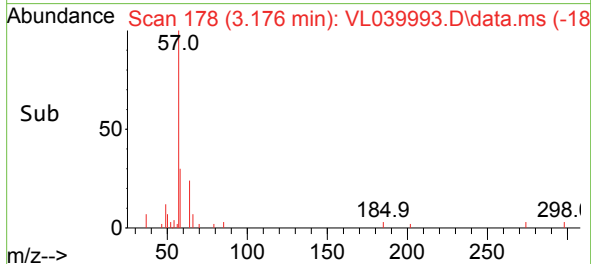
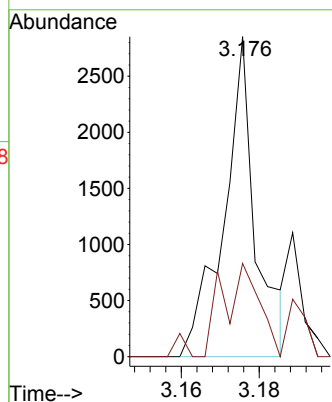
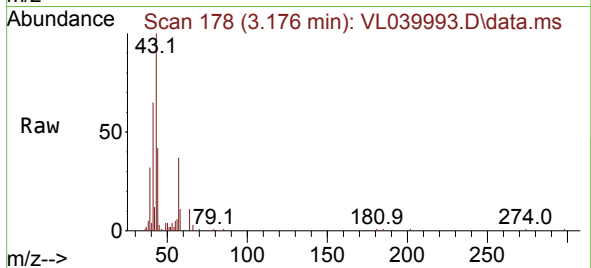




#7
Chloroethane
Concen: 0.051 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

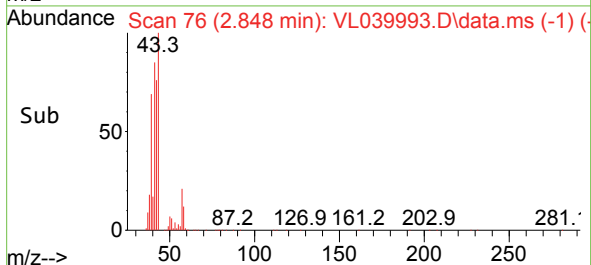
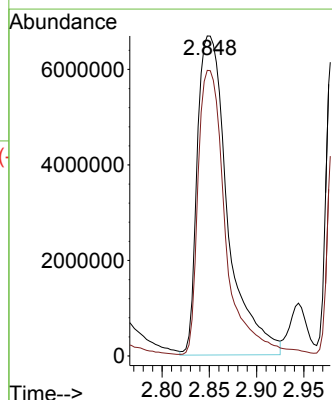
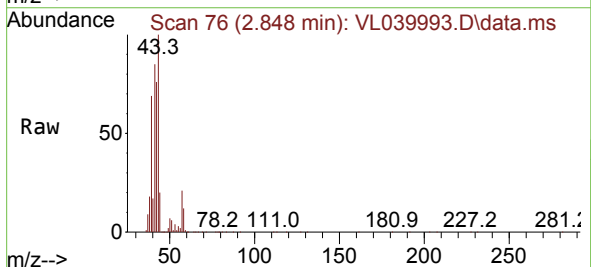
Instrument :
MSVOA_L
ClientSampleId :
SG-1

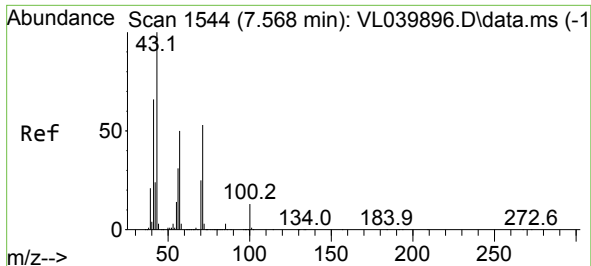
Tgt Ion: 64 Resp: 1598
Ion Ratio Lower Upper
64 100
66 29.2 27.3 40.9



#9
Propene
Concen: 201.345 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.187 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 41 Resp: 14973817
Ion Ratio Lower Upper
41 100
42 79.2 55.8 83.6

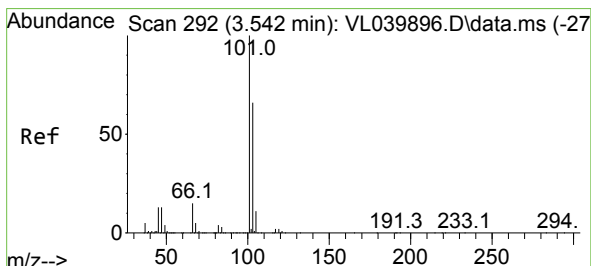
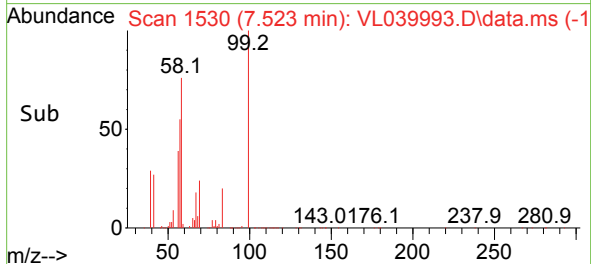
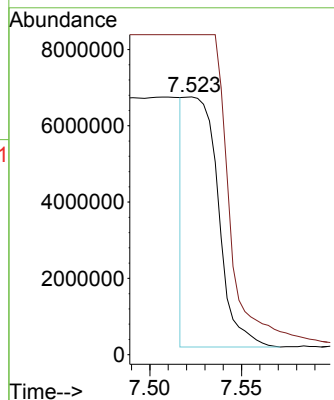
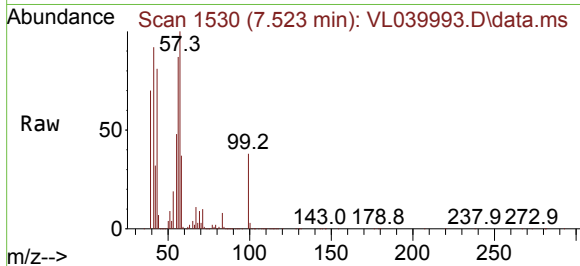




#10
Heptane
Concen: 46.433 ppbv
RT: 7.523 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

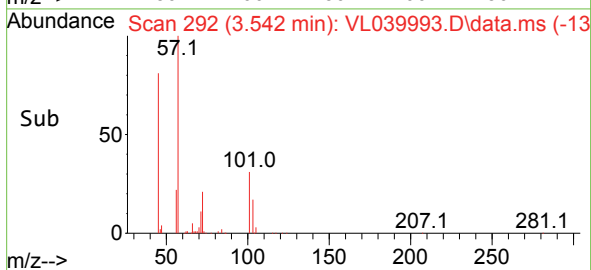
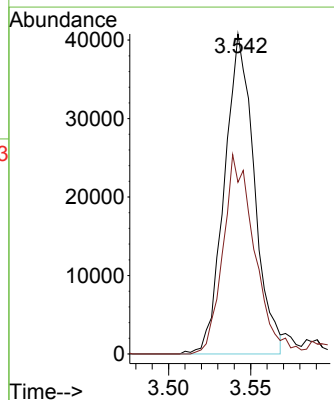
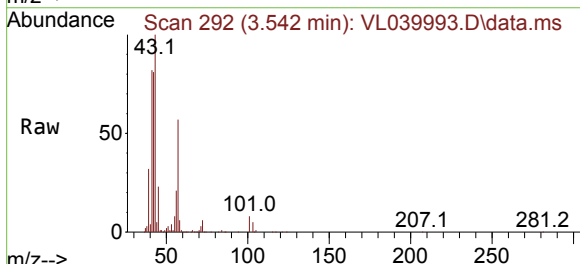
Instrument :
MSVOA_L
ClientSampleId :
SG-1

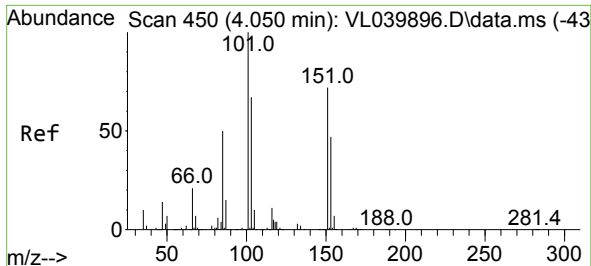
Tgt Ion: 43 Resp: 8332552
Ion Ratio Lower Upper
43 100
57 0.0 40.7 61.1#



#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.013 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion:101 Resp: 51517
Ion Ratio Lower Upper
101 100
103 53.6 52.6 78.8

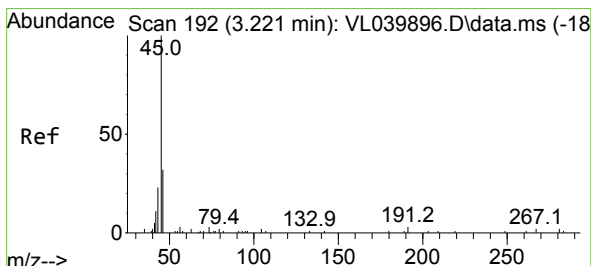
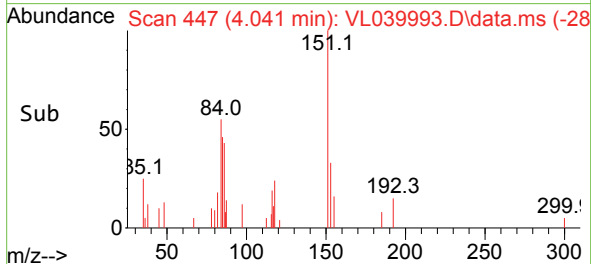
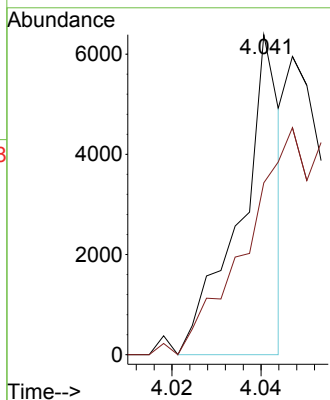
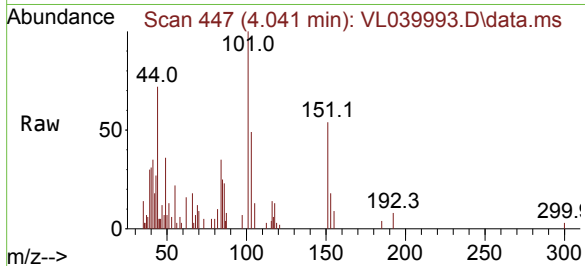




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.026 ppbv
 RT: 4.041 min Scan# 447
 Delta R.T. 0.010 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

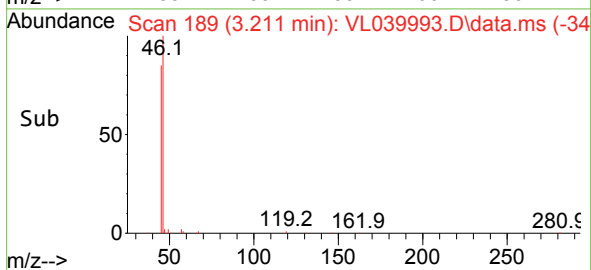
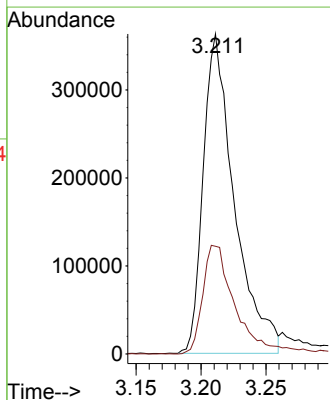
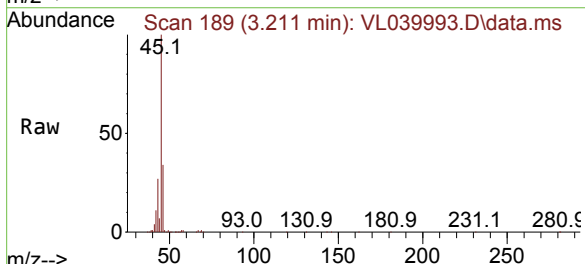
Instrument :
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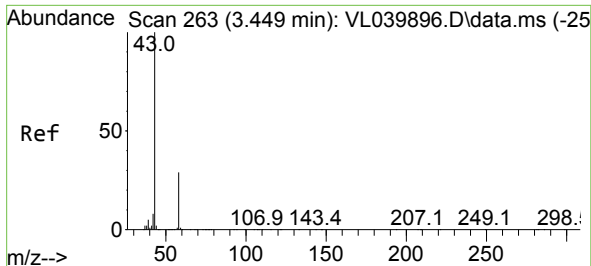
Tgt Ion:101 Resp: 3965
 Ion Ratio Lower Upper
 101 100
 151 0.0 59.6 89.4#



#13
 Ethanol
 Concen: 106.517 ppbv
 RT: 3.211 min Scan# 189
 Delta R.T. -0.003 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

Tgt Ion: 45 Resp: 604798
 Ion Ratio Lower Upper
 45 100
 46 37.1 14.6 58.2





#15

Acetone

Concen: 31.693 ppbv

RT: 3.439 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

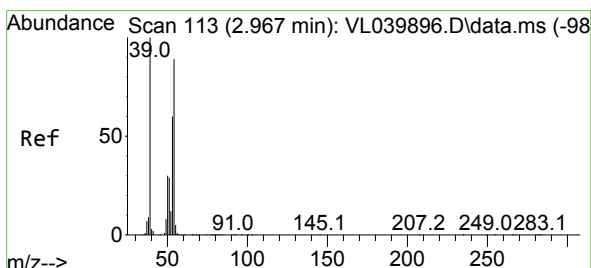
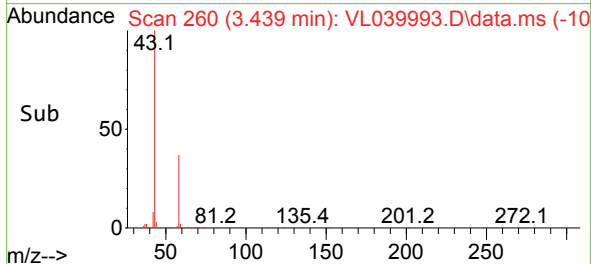
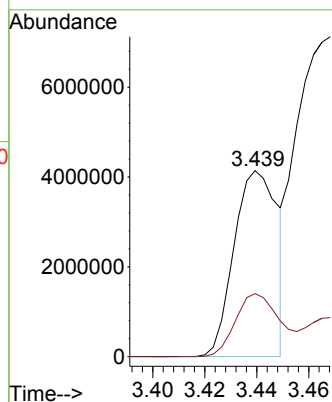
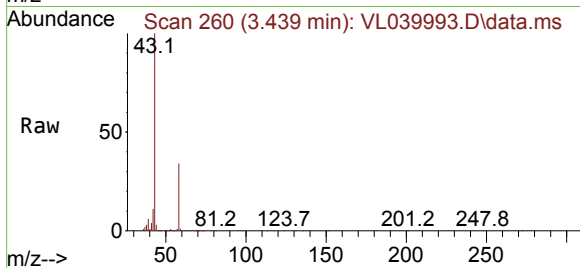
SG-1

Tgt Ion: 43 Resp: 4809653

Ion Ratio Lower Upper

43 100

58 68.9 22.9 34.3#



#16

1,3-Butadiene

Concen: 10.452 ppbv

RT: 2.944 min Scan# 106

Delta R.T. -0.006 min

Lab File: VL039993.D

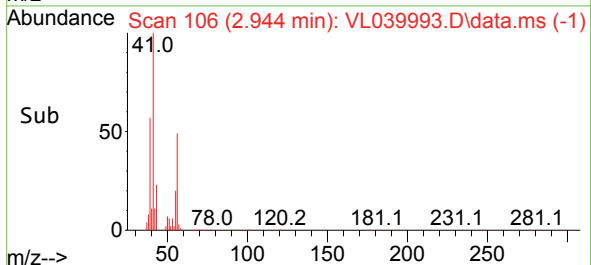
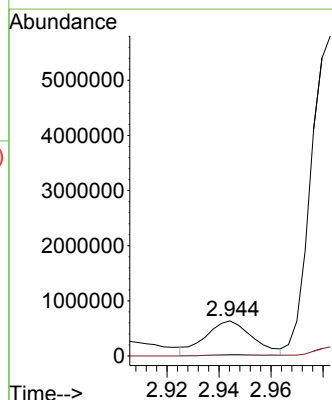
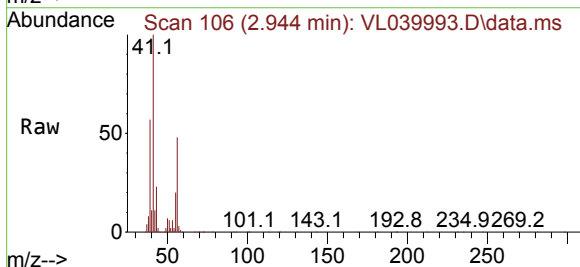
Acq: 13 Dec 2022 2:20

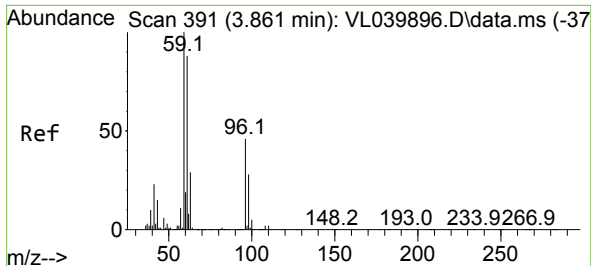
Tgt Ion: 39 Resp: 790506

Ion Ratio Lower Upper

39 100

54 0.0 66.6 99.8#





#17

tert-Butyl alcohol

Concen: 0.547 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.023 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

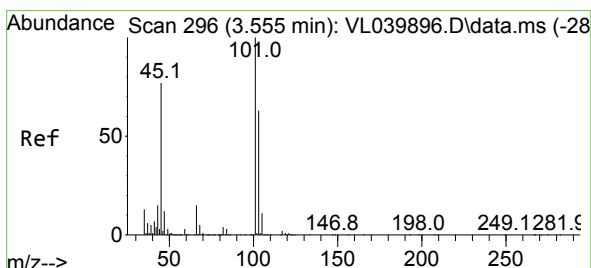
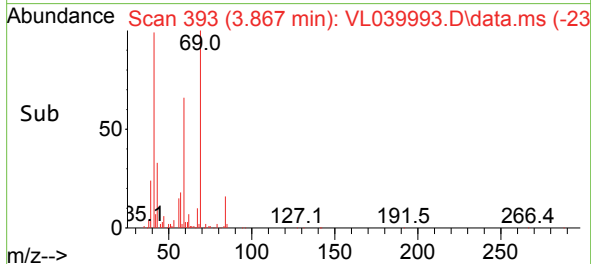
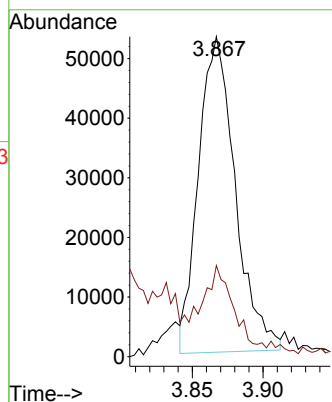
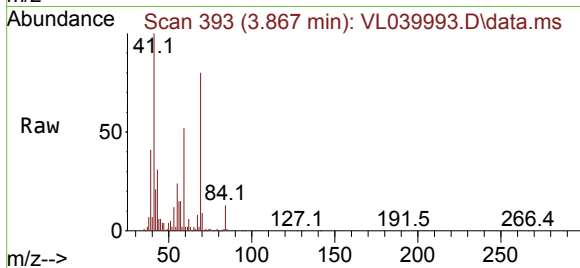
SG-1

Tgt Ion: 59 Resp: 95420

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#19

Isopropyl Alcohol

Concen: 5.534 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.013 min

Lab File: VL039993.D

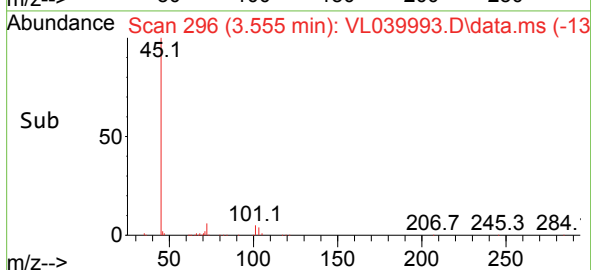
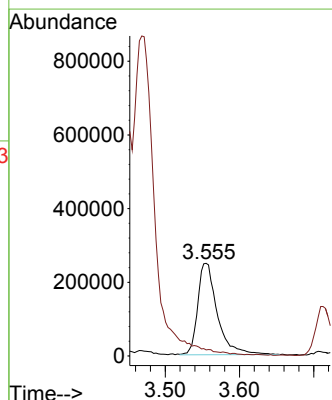
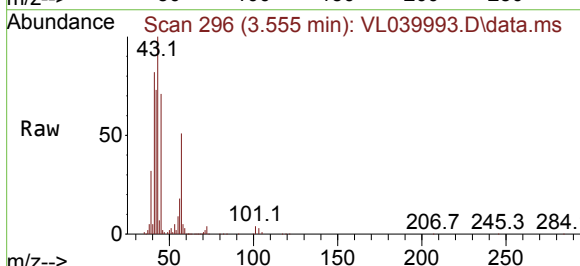
Acq: 13 Dec 2022 2:20

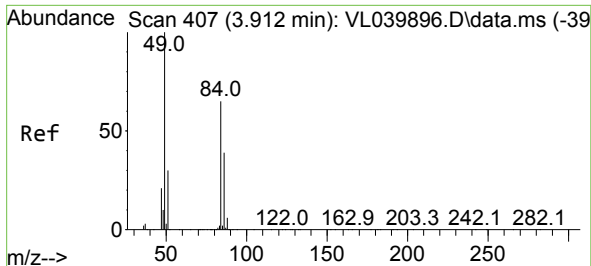
Tgt Ion: 45 Resp: 454713

Ion Ratio Lower Upper

45 100

58 0.0 38.7 58.1#

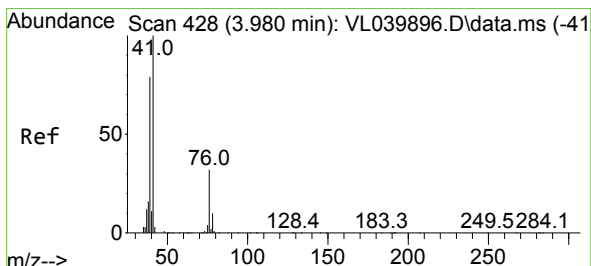
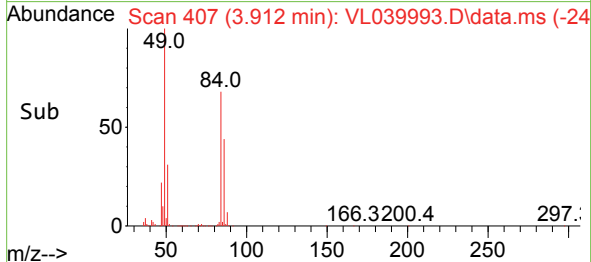
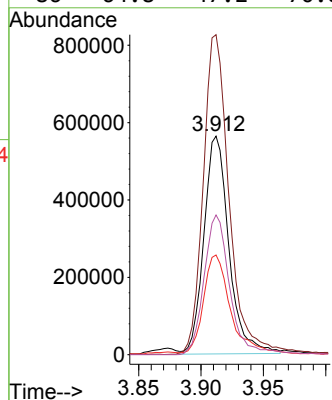
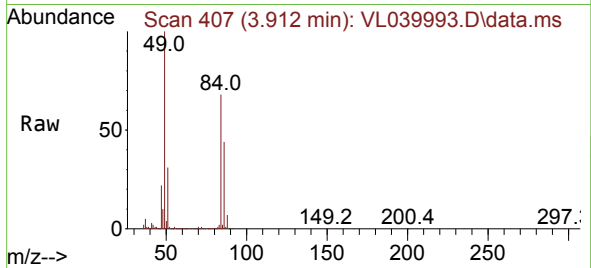




#20
Methylene Chloride
Concen: 10.722 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

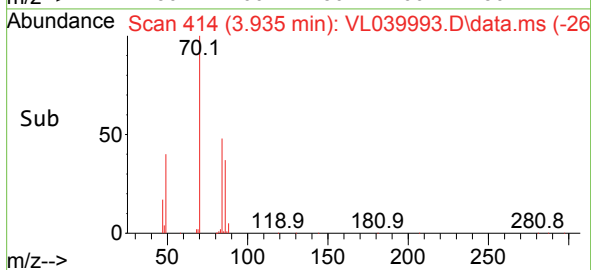
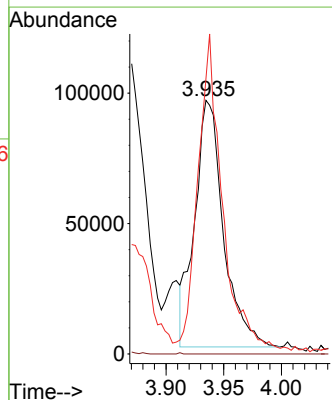
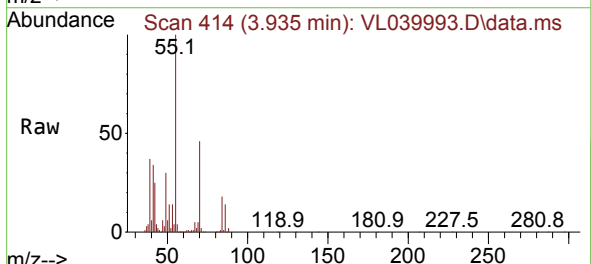
Instrument :
MSVOA_L
ClientSampleId :
SG-1

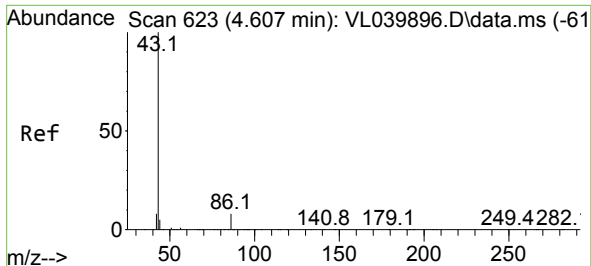
Tgt Ion: 84 Resp: 788298
Ion Ratio Lower Upper
84 100
49 147.7 122.2 183.4
51 45.4 36.3 54.5
86 64.8 47.2 70.8



#21
Allyl Chloride
Concen: 1.559 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.026 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 41 Resp: 164071
Ion Ratio Lower Upper
41 100
76 0.0 25.6 38.4#
39 107.9 65.2 97.8#

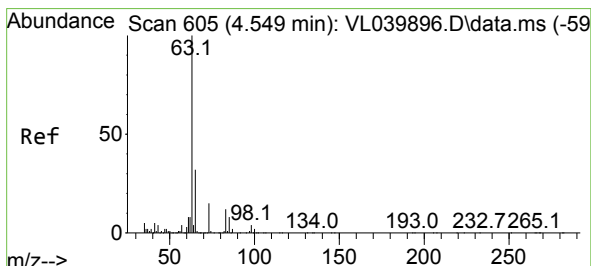
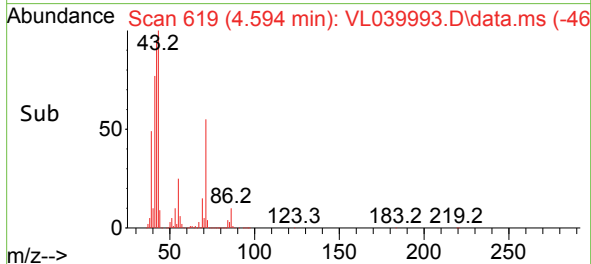
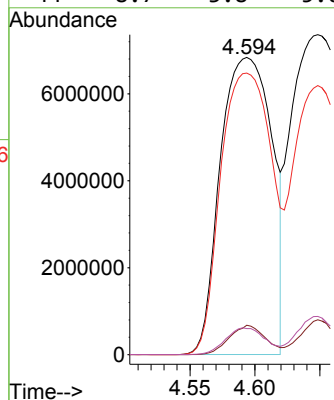
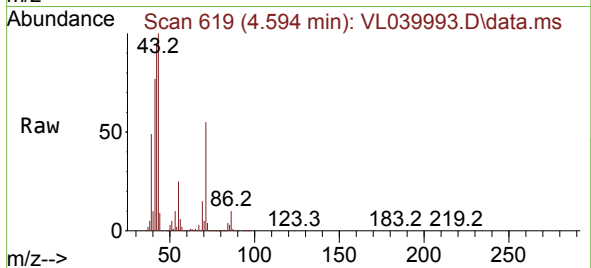




#23
 Vinyl Acetate
 Concen: 303.427 ppbv
 RT: 4.594 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

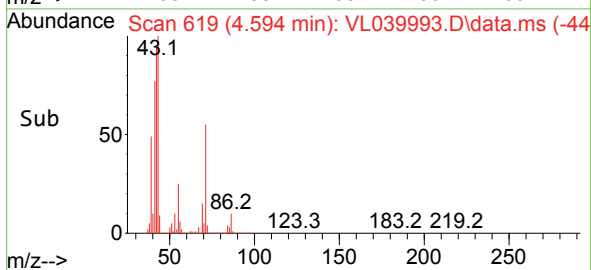
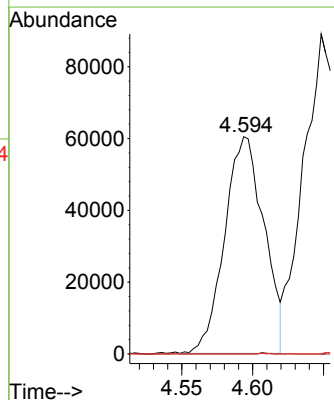
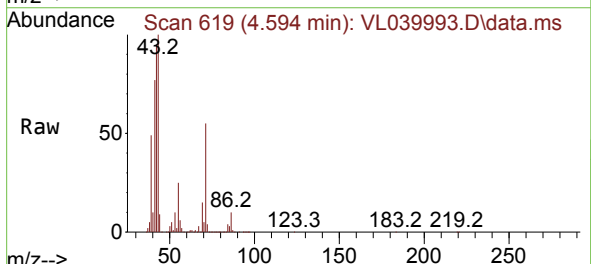
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

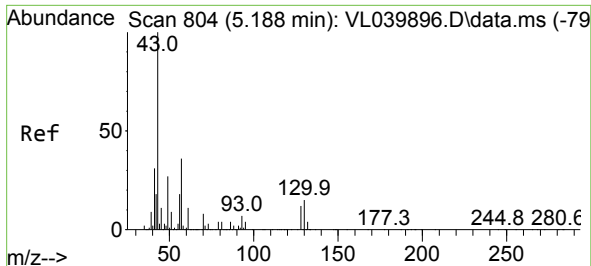
Tgt Ion: 43 Resp:18917089
 Ion Ratio Lower Upper
 43 100
 86 9.9 5.0 7.4#
 42 94.7 7.6 11.4#
 44 8.7 3.8 5.6#



#24
 1,1-Dichloroethane
 Concen: 0.777 ppbv
 RT: 4.594 min Scan# 619
 Delta R.T. 0.064 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

Tgt Ion: 63 Resp: 116845
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.1 6.5#
 100 0.0 1.1 3.5#

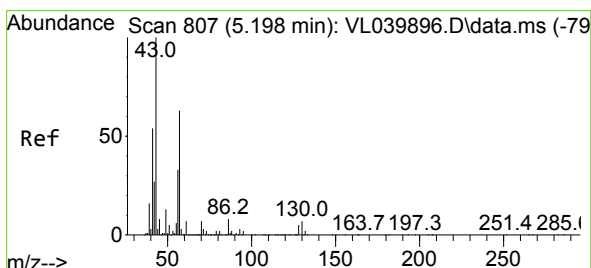
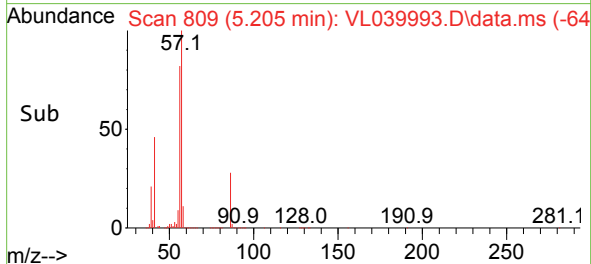
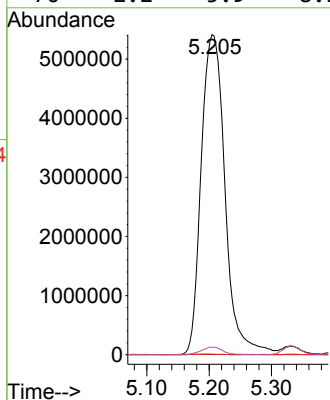
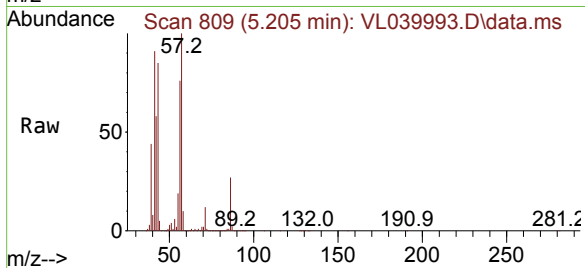




#25
Ethyl Acetate
Concen: 51.577 ppbv
RT: 5.205 min Scan# 804
Delta R.T. 0.035 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

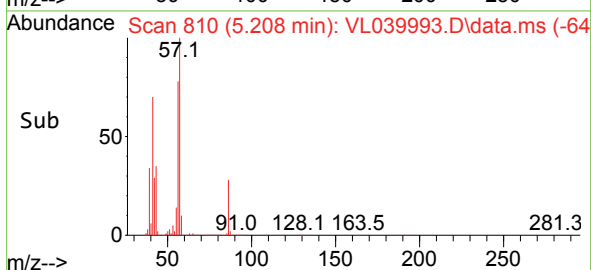
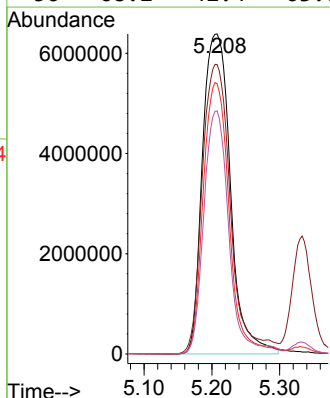
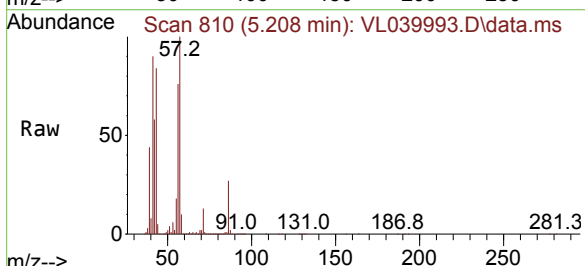
Instrument :
MSVOA_L
ClientSampleId :
SG-1

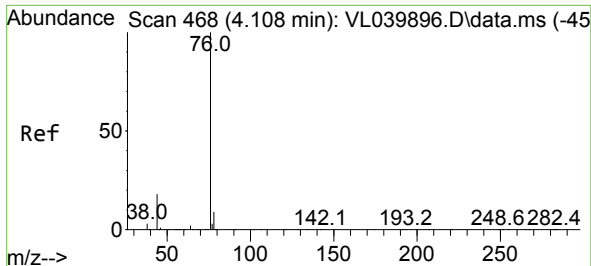
Tgt Ion: 43 Resp:14370847
Ion Ratio Lower Upper
43 100
45 0.1 8.4 12.6#
61 0.2 8.5 12.7#
70 2.2 5.9 8.9#



#26
Hexane
Concen: 149.866 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.032 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 57 Resp:18241141
Ion Ratio Lower Upper
57 100
41 91.7 72.3 108.5
43 78.7 188.7 283.1#
56 68.2 42.4 63.6#

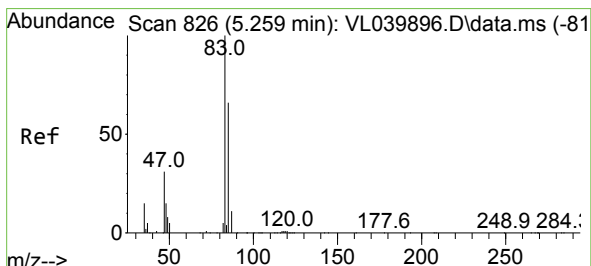
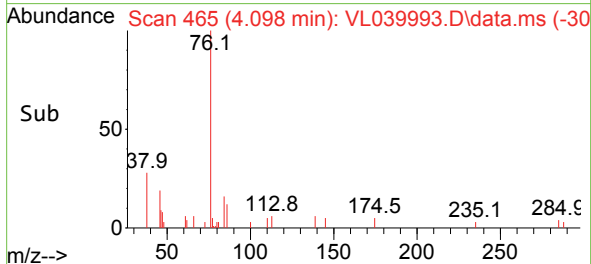
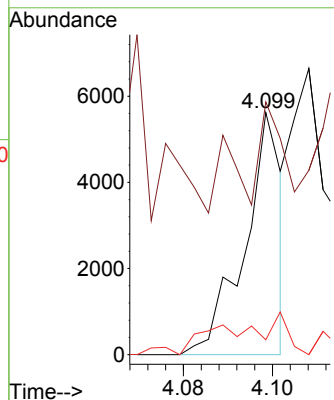
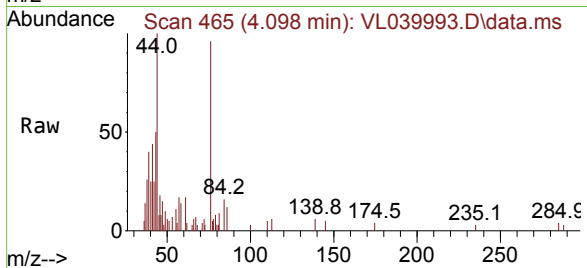




#27
Carbon Disulfide
Concen: 0.021 ppbv
RT: 4.098 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

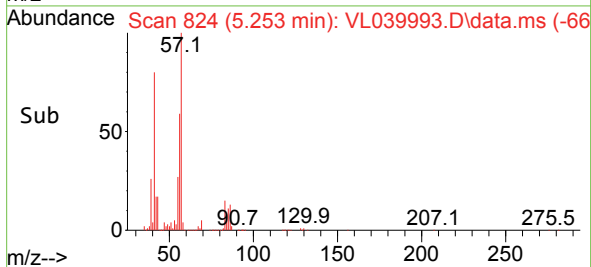
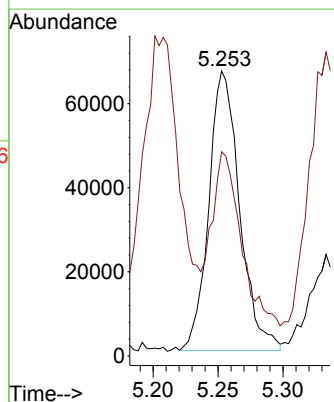
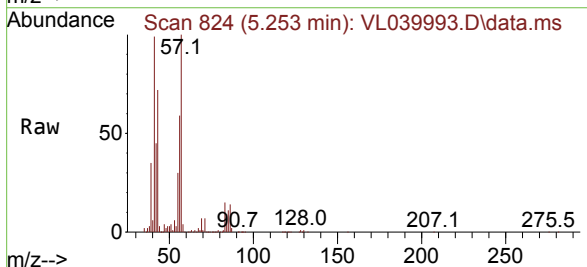
Instrument :
MSVOA_L
ClientSampleId :
SG-1

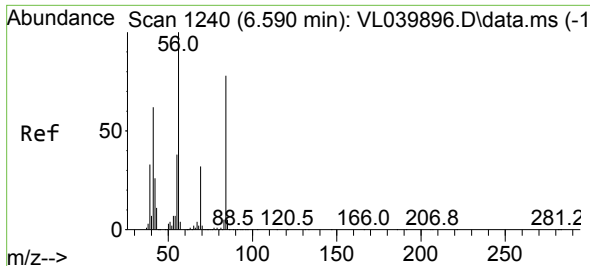
Tgt Ion: 76 Resp: 3239
Ion Ratio Lower Upper
76 100
44 0.0 14.7 22.1#
78 37.0 7.8 11.8#



#29
Chloroform
Concen: 0.678 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.016 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 83 Resp: 109628
Ion Ratio Lower Upper
83 100
85 62.3 52.4 78.6

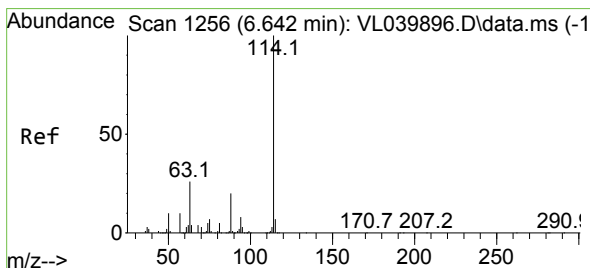
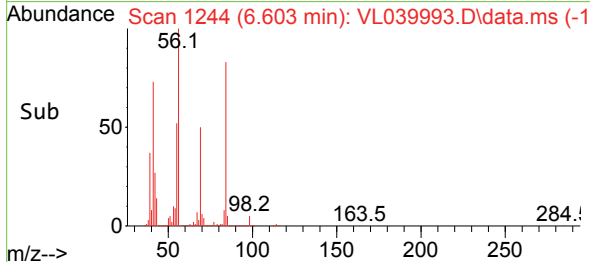
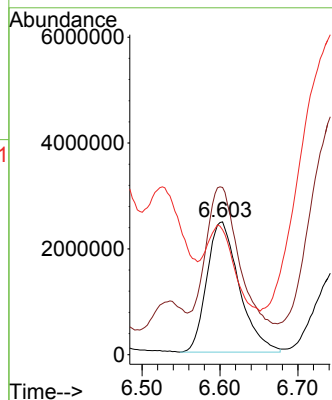
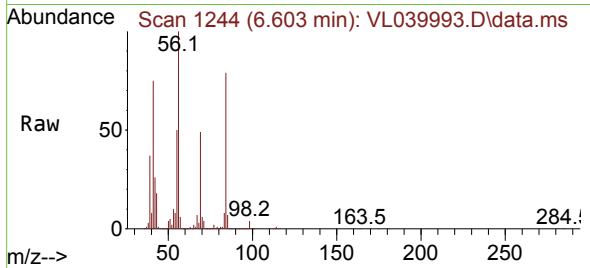




#30
Cyclohexane
Concen: 59.623 ppbv
RT: 6.603 min Scan# 1240
Delta R.T. 0.039 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

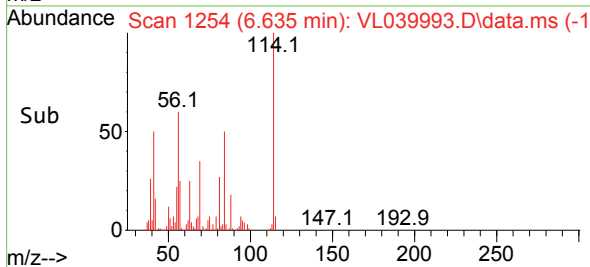
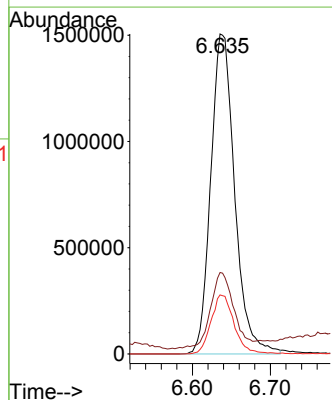
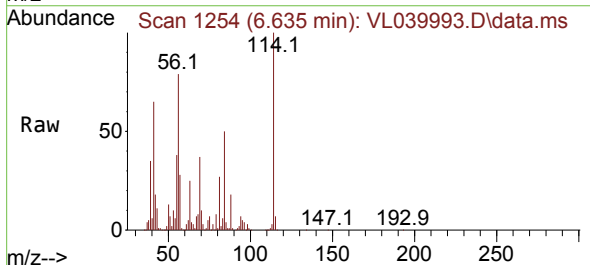
Instrument :
MSVOA_L
ClientSampleId :
SG-1

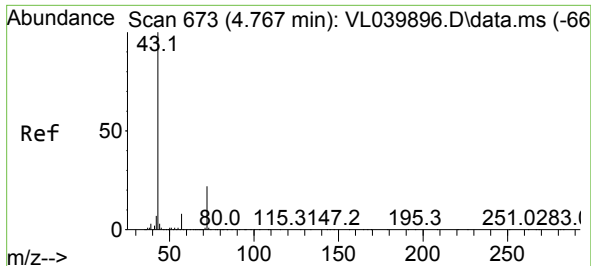
Tgt Ion: 84 Resp: 7121833
Ion Ratio Lower Upper
84 100
56 100.7 112.5 168.7#
41 54.7 67.8 101.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.016 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 114 Resp: 3206964
Ion Ratio Lower Upper
114 100
63 25.6 21.4 32.0
88 18.2 15.3 22.9

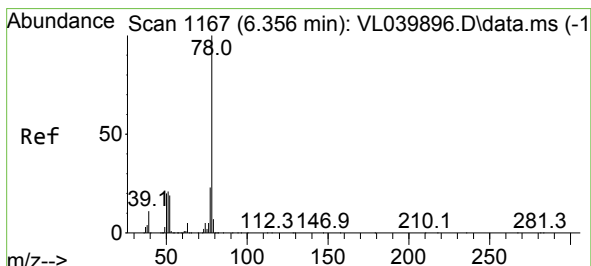
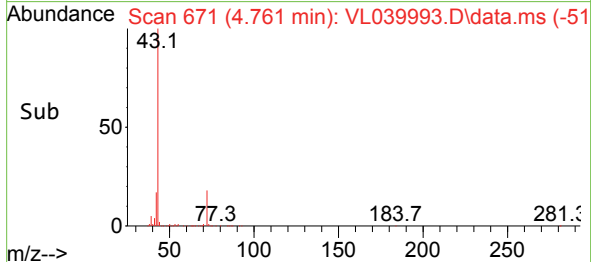
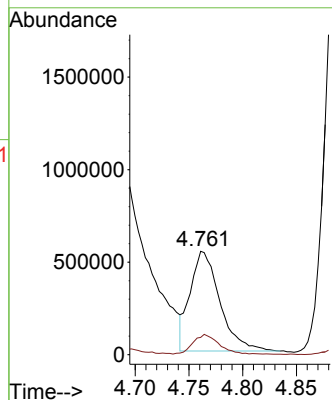
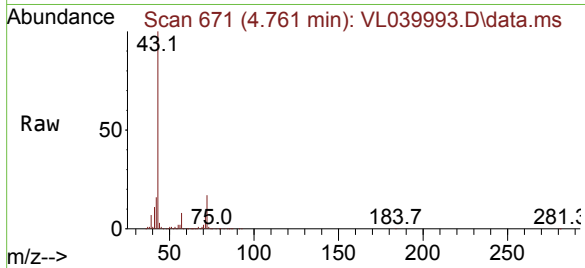




#34
2-Butanone
Concen: 6.754 ppbv
RT: 4.761 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

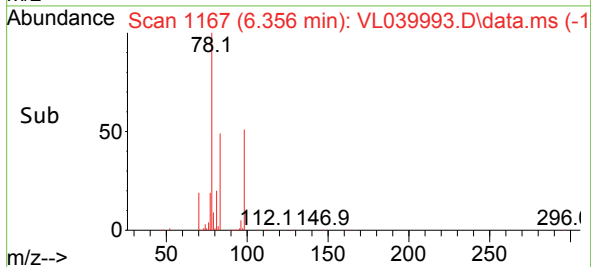
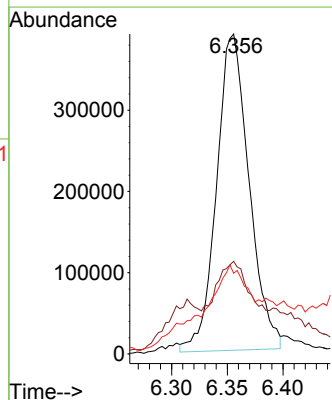
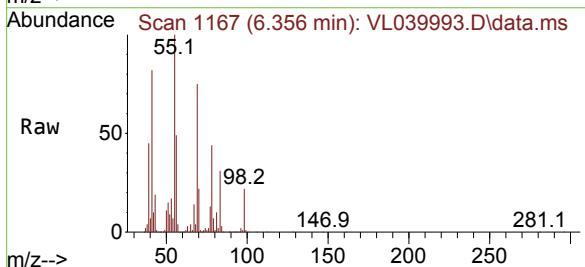
Instrument :
MSVOA_L
ClientSampleId :
SG-1

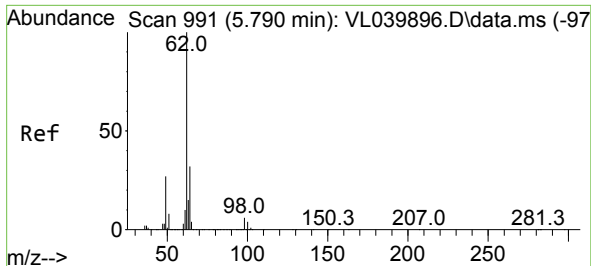
Tgt Ion: 43 Resp: 1036436
Ion Ratio Lower Upper
43 100
72 19.1 17.4 26.2



#36
Benzene
Concen: 2.904 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.023 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 78 Resp: 791602
Ion Ratio Lower Upper
78 100
77 16.5 18.2 27.2#
50 16.3 15.8 23.8





#37

1,2-Dichloroethane

Concen: 0.184 ppbv

RT: 5.809 min Scan# 991

Delta R.T. 0.042 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

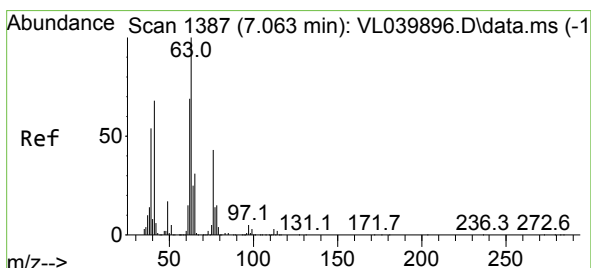
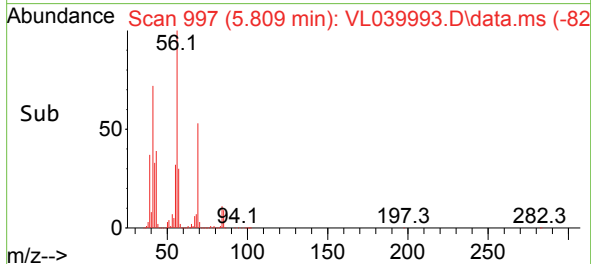
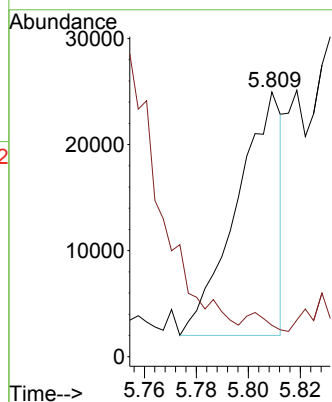
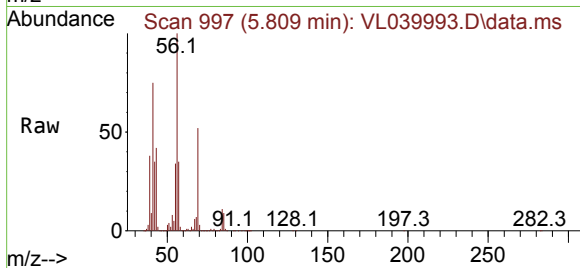
SG-1

Tgt Ion: 62 Resp: 27557

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.6#



#39

1,2-Dichloropropane

Concen: 1.386 ppbv

RT: 7.057 min Scan# 1385

Delta R.T. 0.023 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

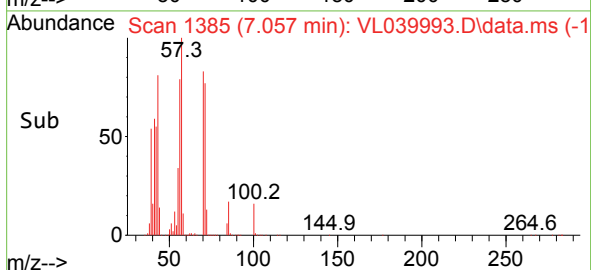
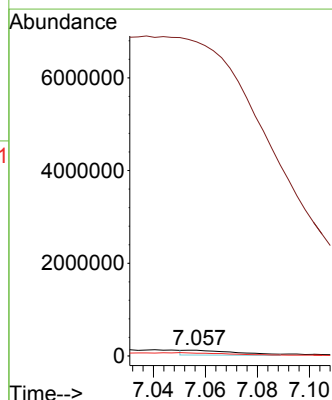
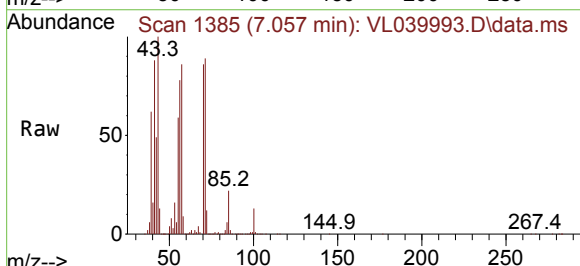
Tgt Ion: 63 Resp: 147197

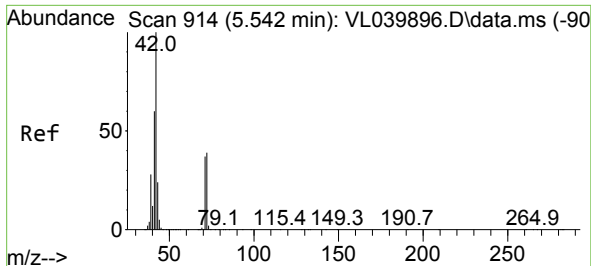
Ion Ratio Lower Upper

63 100

41 3111.2 54.7 82.1#

62 42.6 55.0 82.6#





#41

Tetrahydrofuran

Concen: 3.541 ppbv

RT: 5.610 min Scan# 914

Delta R.T. 0.090 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

SG-1

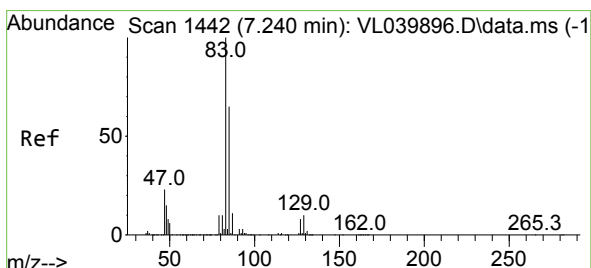
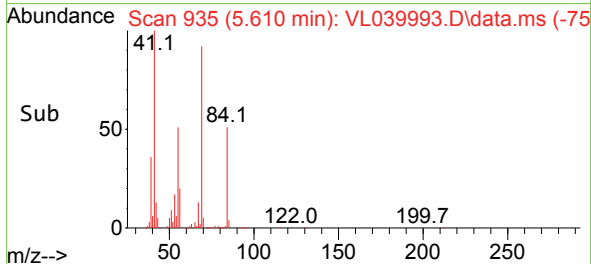
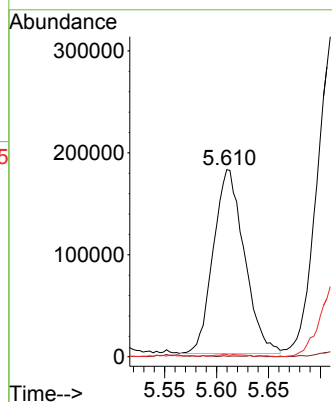
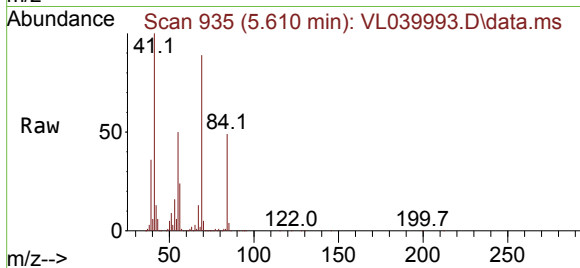
Tgt Ion: 42 Resp: 375153

Ion Ratio Lower Upper

42 100

72 0.8 31.6 47.4#

71 0.0 31.2 46.8#



#42

Bromodichloromethane

Concen: 27.833 ppbv

RT: 7.217 min Scan# 1435

Delta R.T. 0.006 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

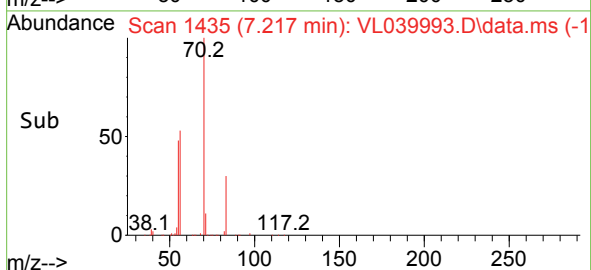
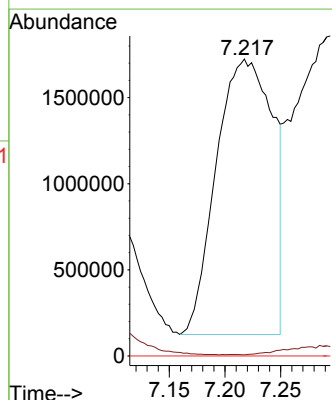
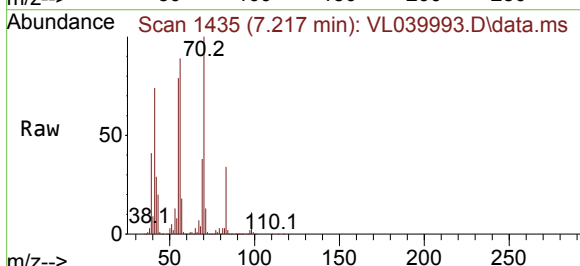
Tgt Ion: 83 Resp: 5638645

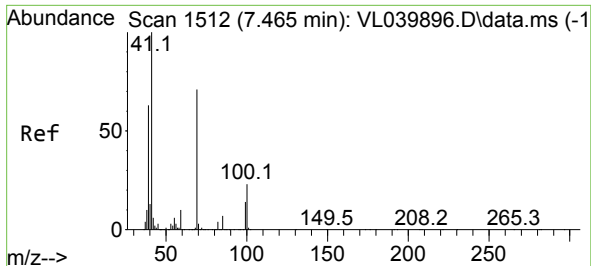
Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

127 0.0 6.5 9.7#





#43
Methyl Methacrylate
Concen: 63.836 ppbv
RT: 7.545 min Scan# 11
Delta R.T. 0.106 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

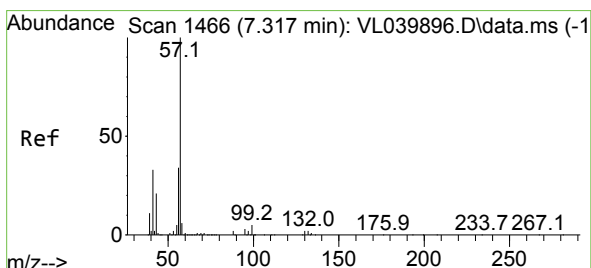
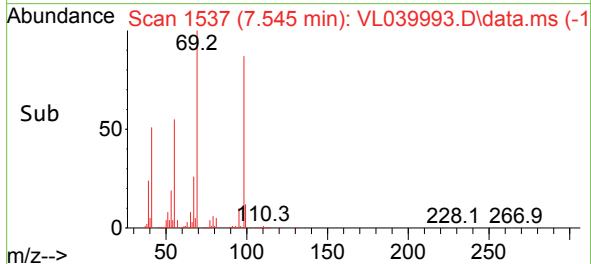
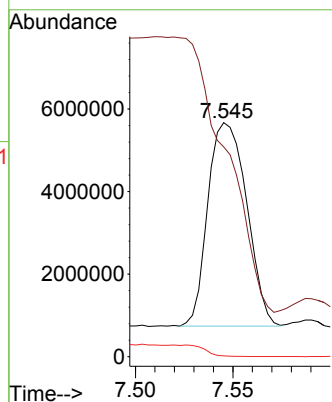
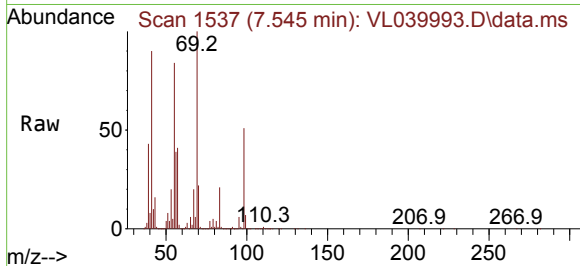
Instrument :

MSVOA_L

ClientSampleId :

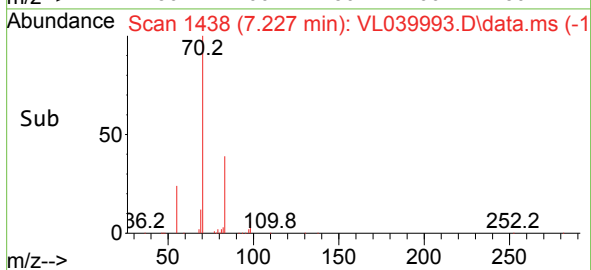
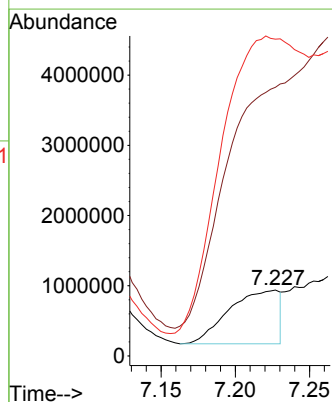
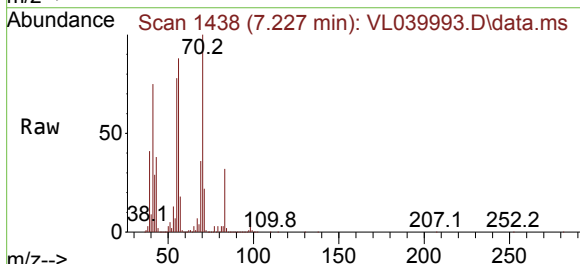
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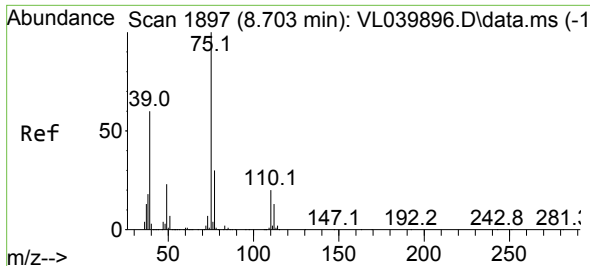
Tgt Ion: 69 Resp: 6822282
Ion Ratio Lower Upper
69 100
41 1842.9 116.4 174.6#
100 19.5 26.8 40.2#



#44
2,2,4-Trimethylpentane
Concen: 3.994 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. -0.064 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 57 Resp: 1817330
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.2#
56 927.7 25.5 38.3#

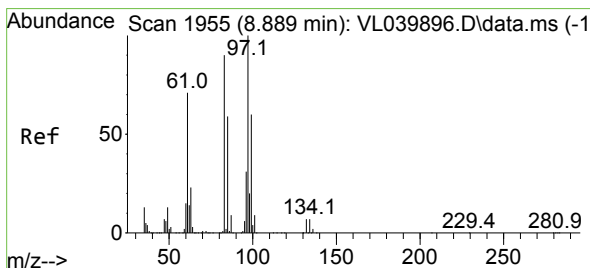
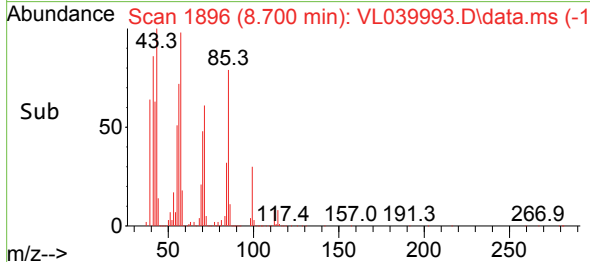
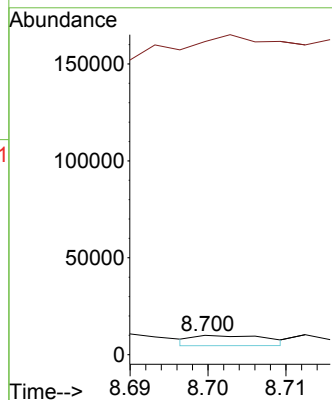
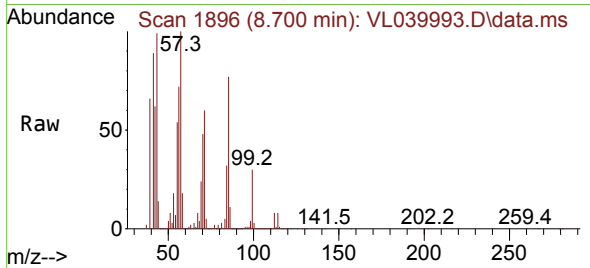




#45
t-1,3-Dichloropropene
Concen: 0.035 ppbv
RT: 8.700 min Scan# 1897
Delta R.T. 0.026 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

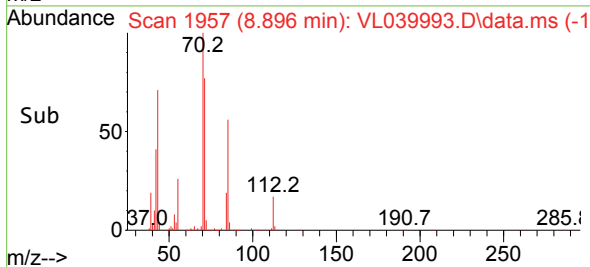
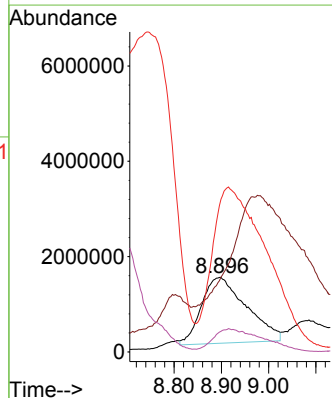
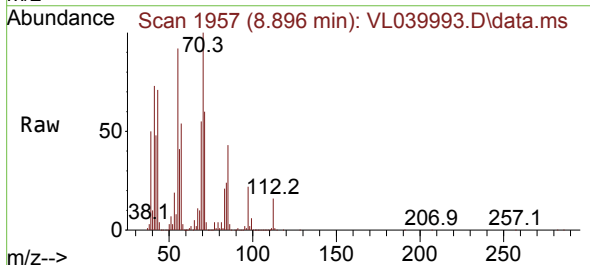
Instrument :
MSVOA_L
ClientSampleId :
SG-1

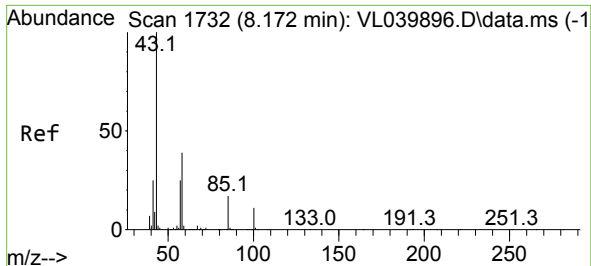
Tgt Ion: 75 Resp: 3428
Ion Ratio Lower Upper
75 100
77 1620.1 24.2 36.4#



#47
1,1,2-Trichloroethane
Concen: 83.887 ppbv
RT: 8.896 min Scan# 1957
Delta R.T. 0.032 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 97 Resp: 9156357
Ion Ratio Lower Upper
97 100
83 24.6 72.1 108.1#
85 122.0 47.2 70.8#
99 20.0 48.2 72.2#

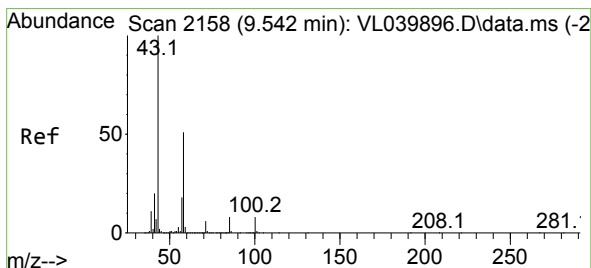
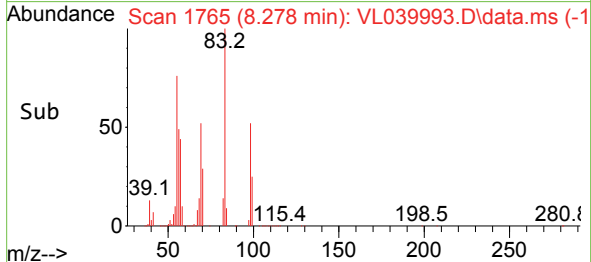
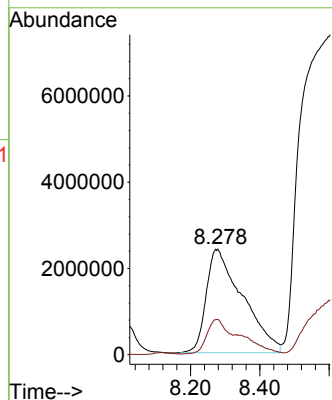
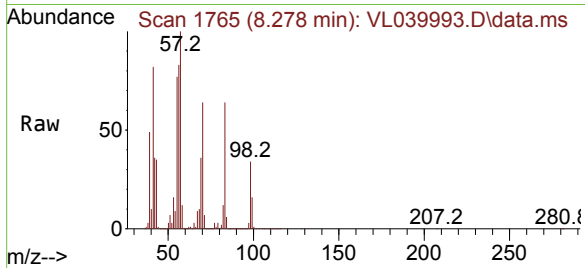




#50
4-Methyl-2-Pentanone
Concen: 63.800 ppbv
RT: 8.278 min Scan# 1765
Delta R.T. 0.132 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

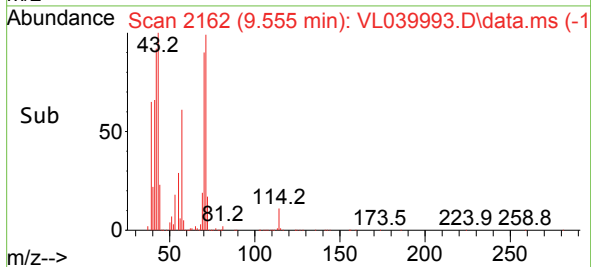
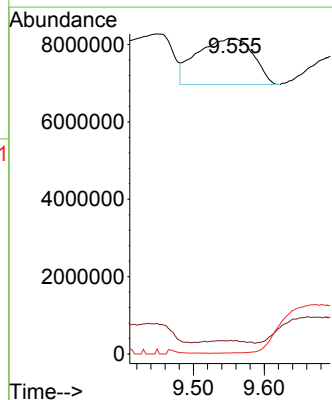
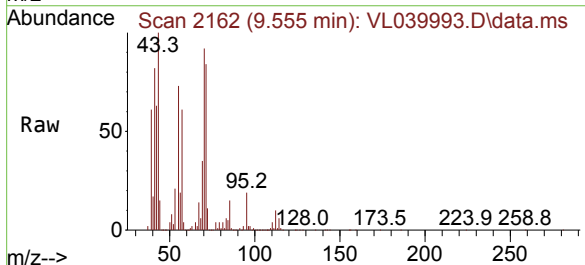
Instrument :
MSVOA_L
ClientSampleId :
SG-1

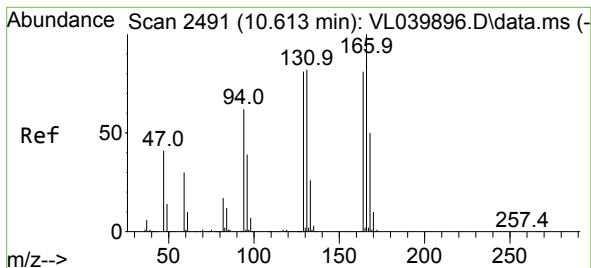
Tgt Ion: 43 Resp:17534076
Ion Ratio Lower Upper
43 100
58 30.7 29.8 44.6



#51
2-Hexanone
Concen: 30.725 ppbv
RT: 9.555 min Scan# 2162
Delta R.T. 0.039 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 43 Resp: 6555230
Ion Ratio Lower Upper
43 100
58 6.1 40.2 60.4#
98 0.0 0.1 0.1#

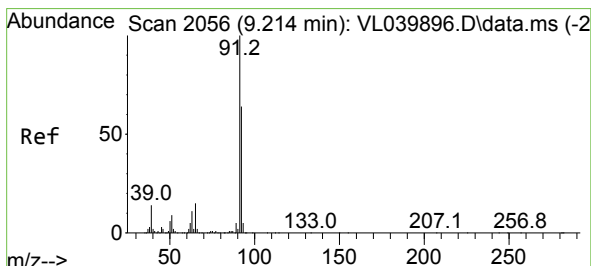
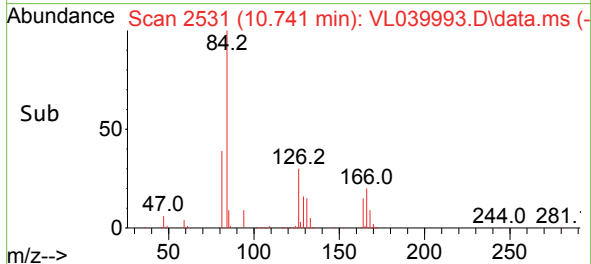
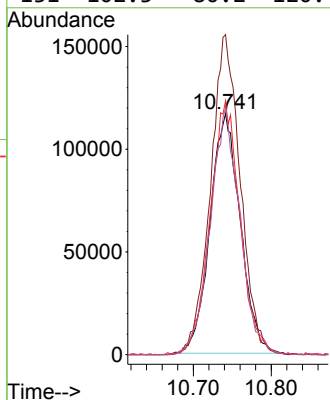
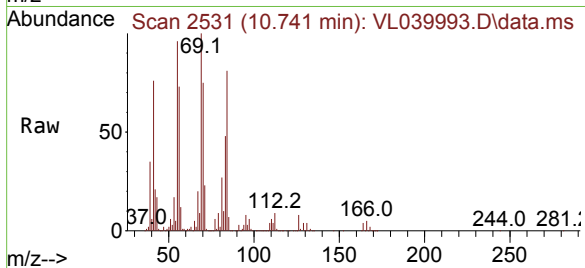




#52
Tetrachloroethene
Concen: 3.072 ppbv
RT: 10.741 min Scan# 21
Delta R.T. 0.161 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

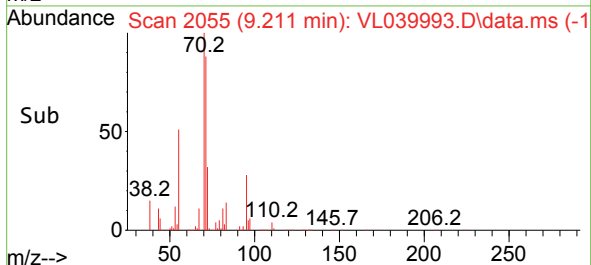
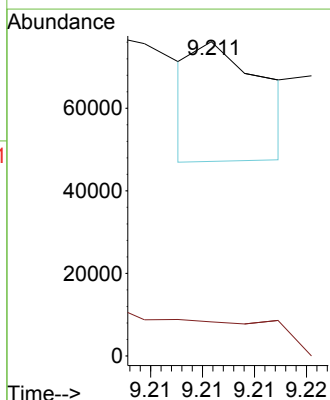
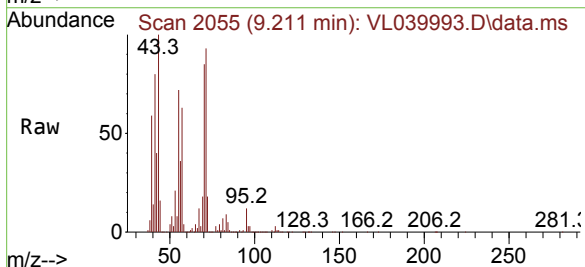
Instrument :
MSVOA_L
ClientSampleId :
SG-1

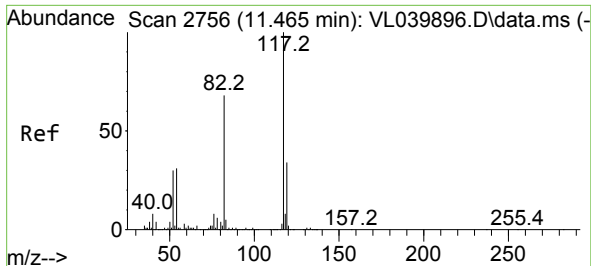
Tgt Ion:164 Resp: 313239
Ion Ratio Lower Upper
164 100
166 132.6 98.3 147.5
129 105.4 79.7 119.5
131 102.3 80.2 120.4



#53
Toluene
Concen: 0.043 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. 0.026 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 91 Resp: 13469
Ion Ratio Lower Upper
91 100
92 0.0 49.8 74.6#

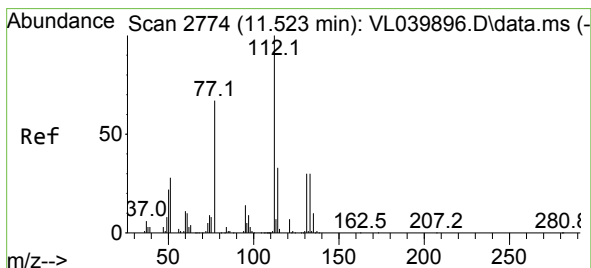
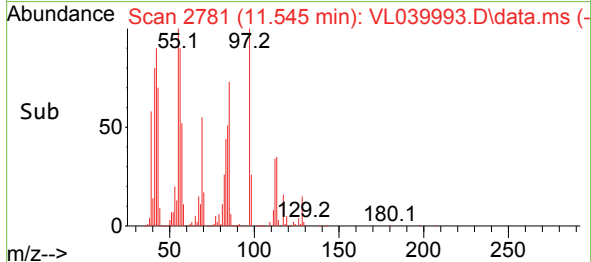
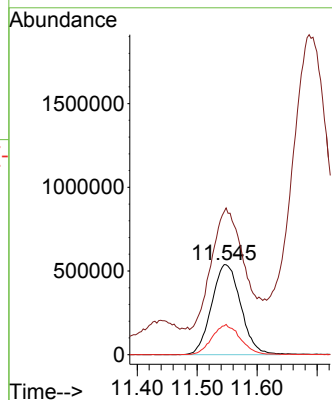
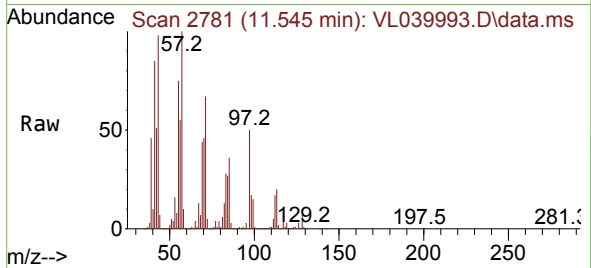




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.113 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

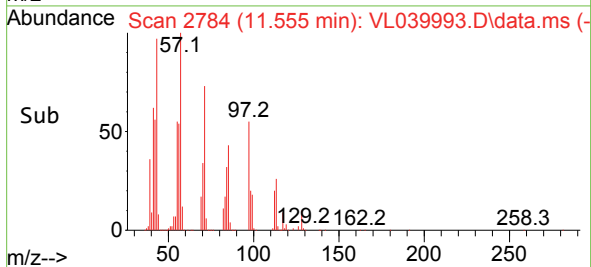
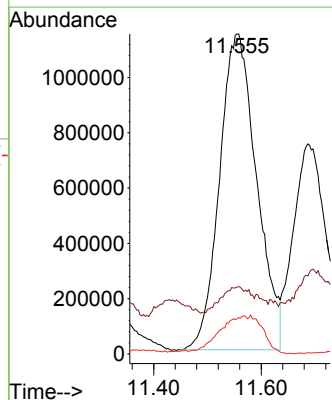
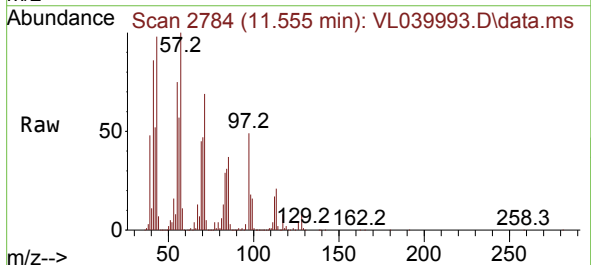
Instrument :
MSVOA_L
ClientSampleId :
SG-1

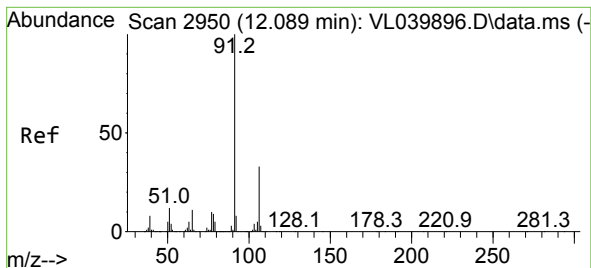
Tgt Ion:117 Resp: 1809986
Ion Ratio Lower Upper
117 100
82 187.5 52.3 78.5#
119 32.4 25.7 38.5



#57
Chlorobenzene
Concen: 39.629 ppbv
RT: 11.555 min Scan# 2784
Delta R.T. 0.064 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion:112 Resp: 5484195
Ion Ratio Lower Upper
112 100
77 5.0 54.6 81.8#
114 10.5 30.1 36.7#





#58

Ethyl Benzene

Concen: 7.107 ppbv

RT: 12.169 min Scan# 2950

Delta R.T. 0.113 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

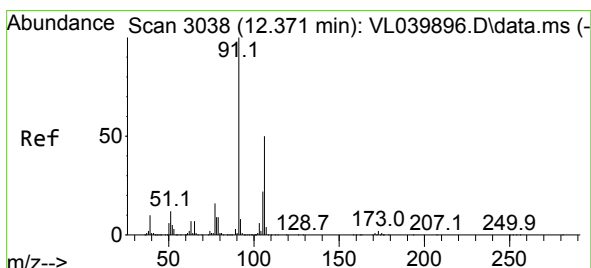
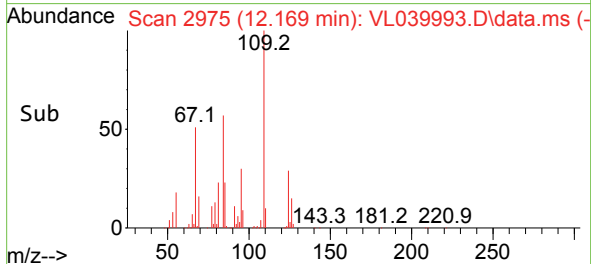
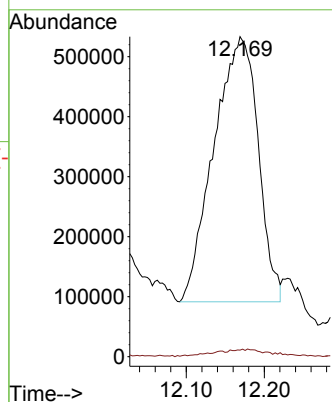
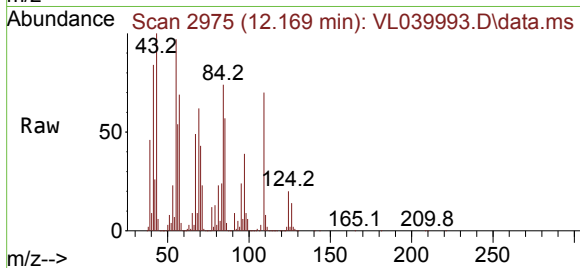
SG-1

Tgt Ion: 91 Resp: 1745228

Ion Ratio Lower Upper

91 100

106 2.3 26.1 39.1#



#59

m/p-Xylene

Concen: 1.920 ppbv

RT: 12.461 min Scan# 3066

Delta R.T. 0.122 min

Lab File: VL039993.D

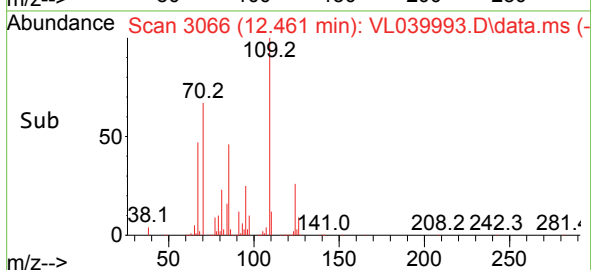
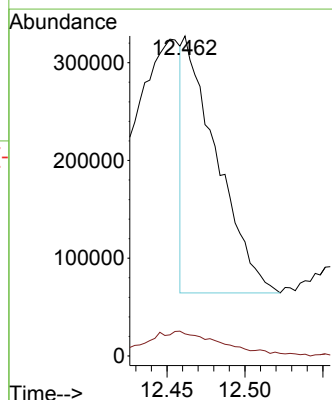
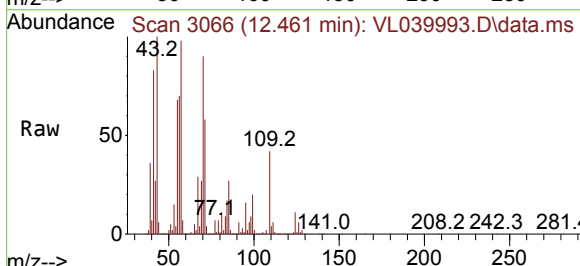
Acq: 13 Dec 2022 2:20

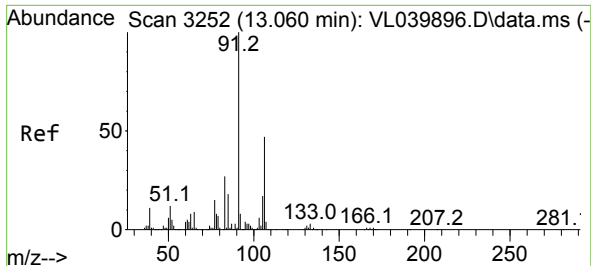
Tgt Ion: 91 Resp: 394532

Ion Ratio Lower Upper

91 100

106 21.4 37.0 55.6#

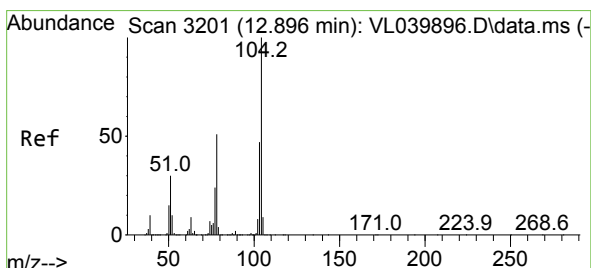
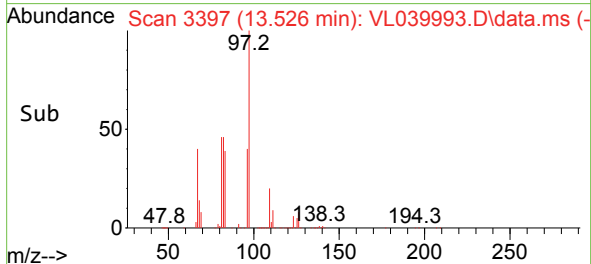
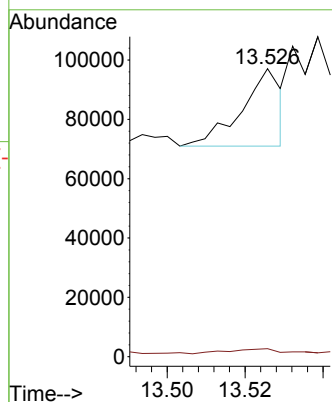
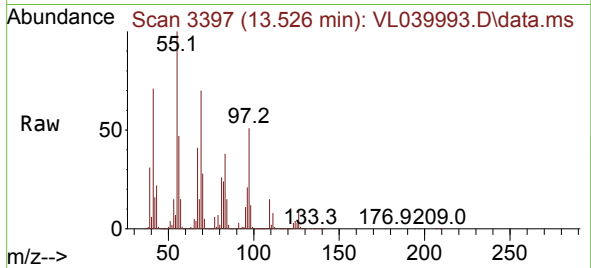




#60
o-Xylene
Concen: 0.093 ppbv
RT: 13.526 min Scan# 31
Delta R.T. 0.498 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

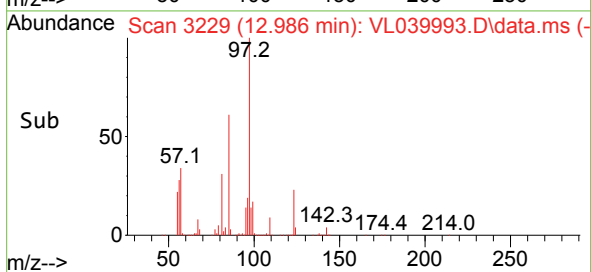
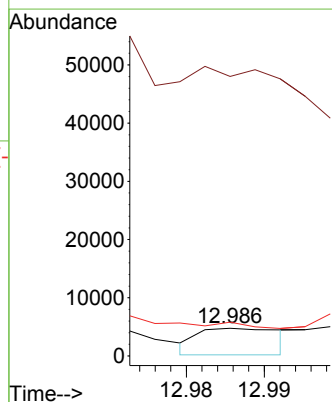
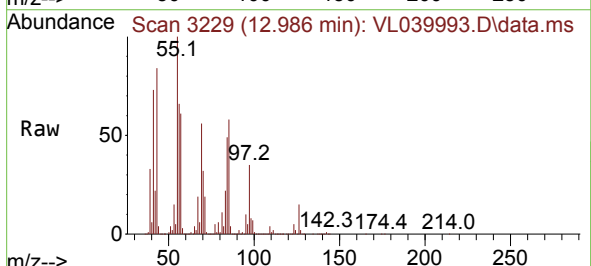
Instrument :
MSVOA_L
ClientSampleId :
SG-1

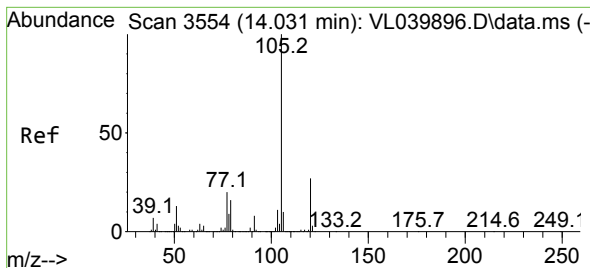
Tgt Ion: 91 Resp: 18264
Ion Ratio Lower Upper
91 100
106 30.6 23.2 69.6



#61
Styrene
Concen: 0.029 ppbv
RT: 12.986 min Scan# 3229
Delta R.T. 0.122 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 104 Resp: 3369
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.8#
103 0.0 37.2 55.8#





#62

Isopropylbenzene

Concen: 2.432 ppbv

RT: 14.098 min Scan# 31

Delta R.T. 0.103 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

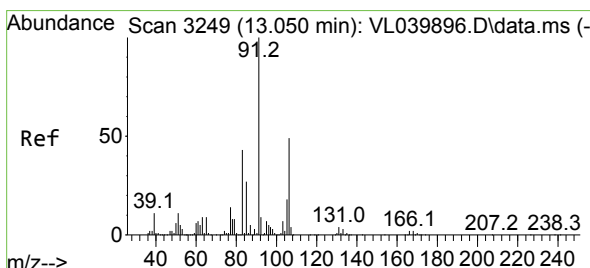
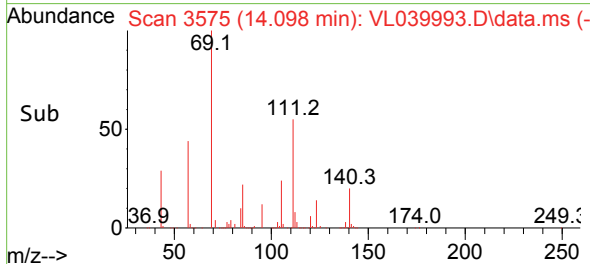
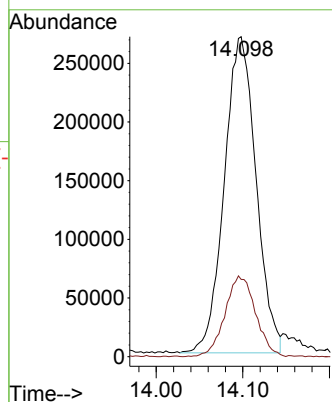
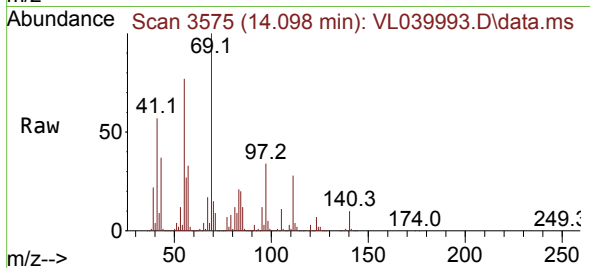
SG-1

Tgt Ion:105 Resp: 687362

Ion Ratio Lower Upper

105 100

120 24.6 21.4 32.2



#63

1,1,2,2-Tetrachloroethane

Concen: 25.011 ppbv

RT: 13.150 min Scan# 3280

Delta R.T. 0.138 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

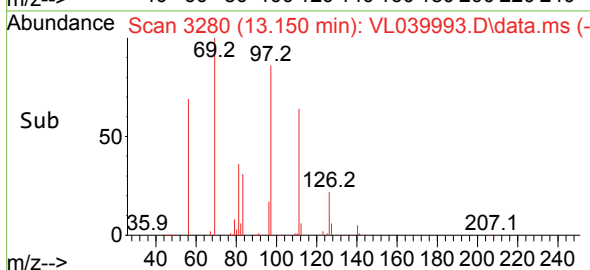
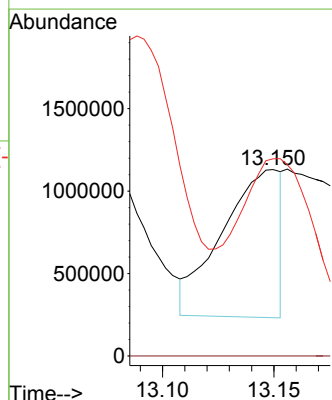
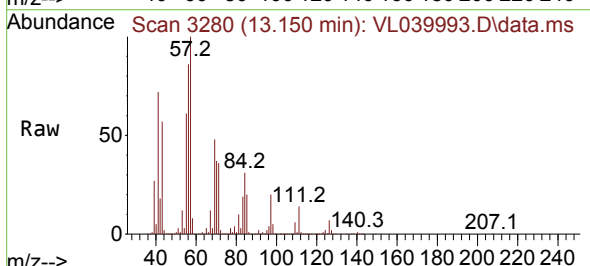
Tgt Ion: 83 Resp: 1636804

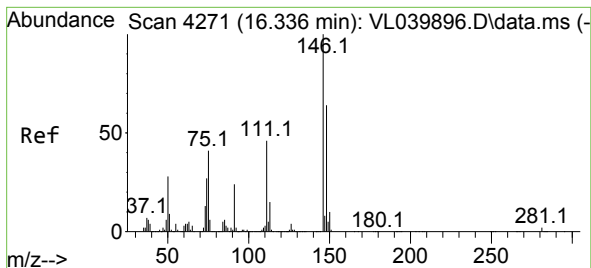
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 33.0 99.0#

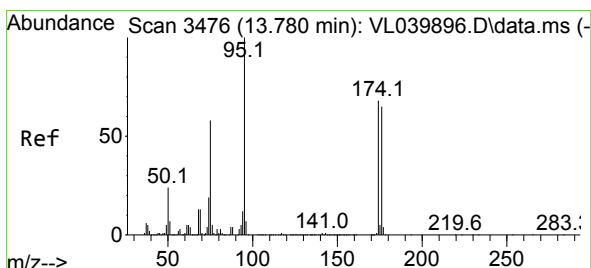
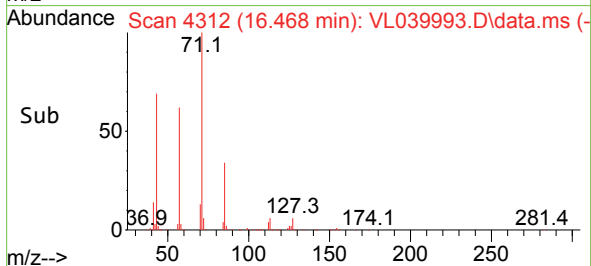
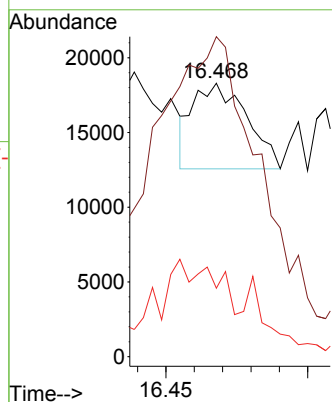
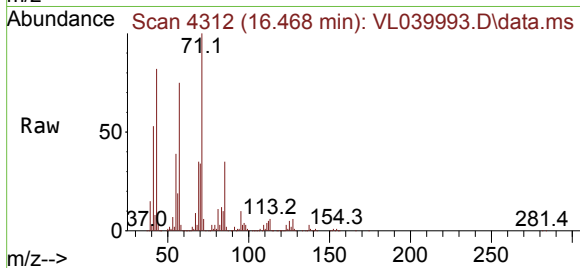




#66
Benzyl Chloride
Concen: 0.354 ppbv
RT: 16.468 min Scan# 41
Delta R.T. 0.174 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

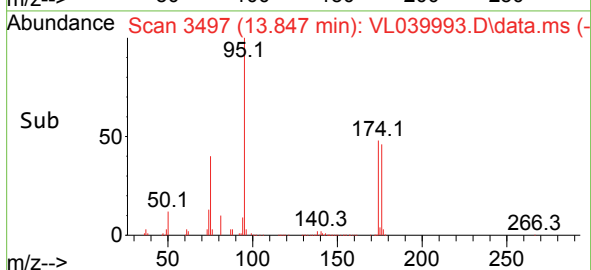
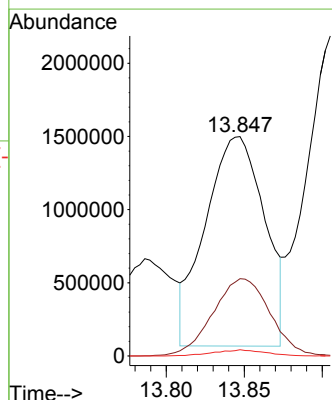
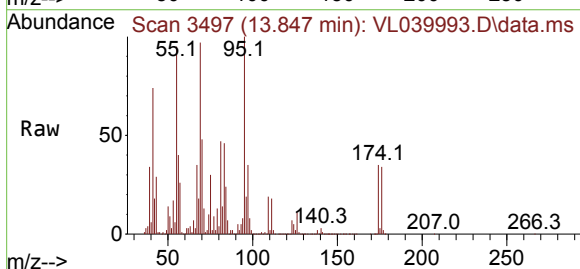
Instrument :
MSVOA_L
ClientSampleId :
SG-1

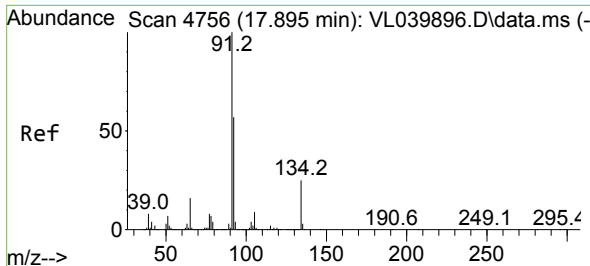
Tgt Ion: 91 Resp: 7509
Ion Ratio Lower Upper
91 100
126 730.6 15.0 22.6#
128 198.8 4.6 7.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 27.359 ppbv
RT: 13.847 min Scan# 3497
Delta R.T. 0.106 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 95 Resp: 3782316
Ion Ratio Lower Upper
95 100
174 35.9 53.7 80.5#
175 2.6 4.0 6.0#

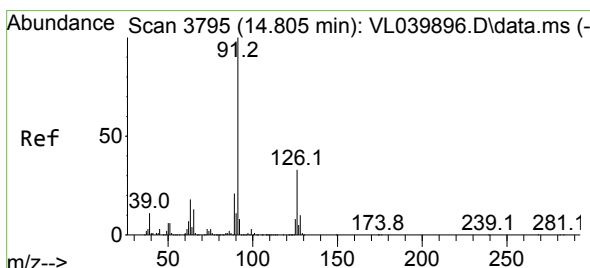
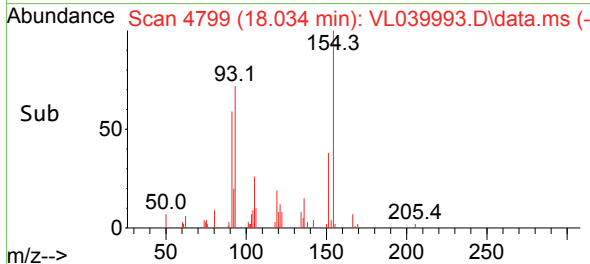
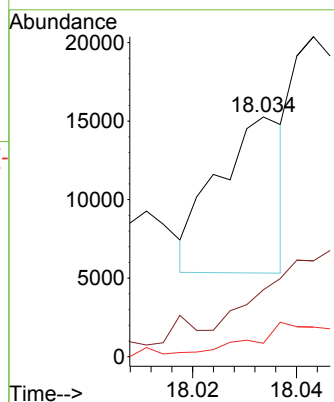
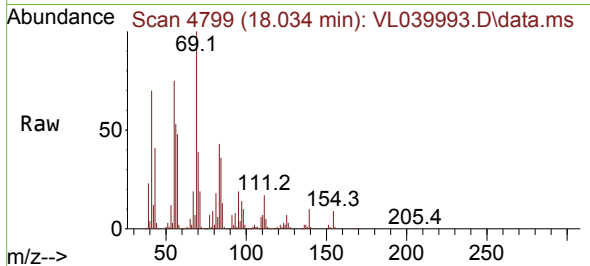




#70
n-Butylbenzene
Concen: 0.032 ppbv
RT: 18.034 min Scan# 41
Delta R.T. 0.177 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

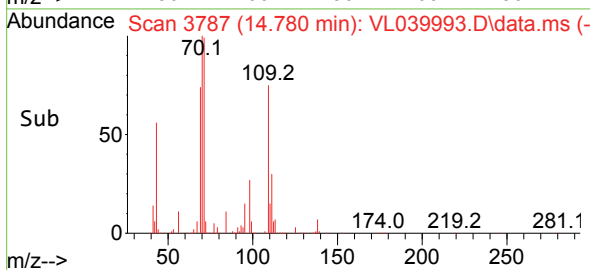
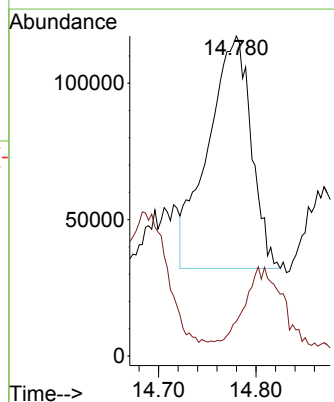
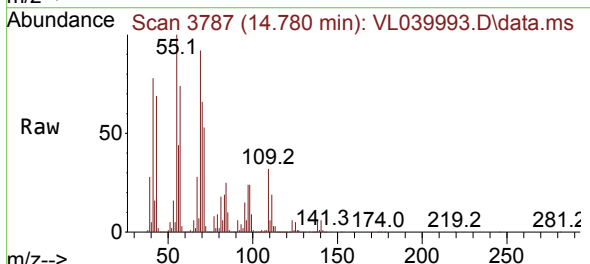
Instrument :
MSVOA_L
ClientSampleId :
SG-1

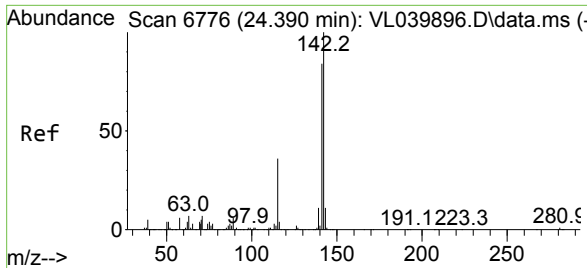
Tgt Ion: 91 Resp: 8790
Ion Ratio Lower Upper
91 100
92 0.0 44.2 66.2#
134 0.0 18.8 28.2#



#71
2-Chlorotoluene
Concen: 1.224 ppbv
RT: 14.780 min Scan# 3787
Delta R.T. 0.010 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

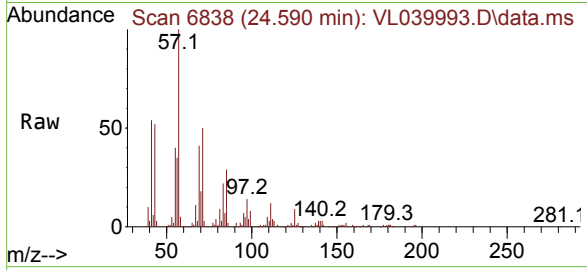
Tgt Ion: 91 Resp: 262149
Ion Ratio Lower Upper
91 100
126 39.2 12.8 51.0





#80
Naphthalene, 2-methyl-
Concen: 0.031 ppbv
RT: 24.590 min Scan# 61
Delta R.T. 0.241 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion	Ratio	Lower	Upper
142	100		
141	551.5	69.1	103.7#
115	216.7	29.6	44.4#

