

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040786.D
 Acq On : 23 Oct 2023 19:53
 Operator : SY/MD
 Sample : 04699-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 24 16:12:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Oct 24 16:11:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	861853	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2461969	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2240197	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1687609	10.238	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.739	85	17978	0.118	ppbv	97
3) Chlorodifluoromethane	2.684	51	14743	0.116	ppbv	98
4) Chloromethane	2.822	50	5989	0.120	ppbv #	83
5) Vinyl Chloride	2.925	62	5926	0.115	ppbv #	73
7) Chloroethane	3.202	64	1198	0.071	ppbv #	77
8) Dichlorotetrafluoroethane	2.867	85	14012	0.122	ppbv	94
9) Propene	2.706	41	7099	0.151	ppbv	92
10) Heptane	7.562	43	12382	0.105	ppbv	93
11) Trichlorofluoromethane	3.565	101	14748	0.126	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.063	101	7850	0.094	ppbv #	75
13) Ethanol	3.266	45	1622	0.153	ppbv	83
14) Bromoethene	3.372	108	3694	0.103	ppbv #	50
16) 1,3-Butadiene	2.989	39	6098	0.130	ppbv	91
18) 1,1-Dichloroethene	3.877	96	2236	0.060	ppbv #	39
20) Methylene Chloride	3.935	84	11780	0.317	ppbv #	76
21) Allyl Chloride	3.993	41	4588	0.078	ppbv #	73
22) trans-1,2-Dichloroethene	4.439	96	2660	0.067	ppbv	95
24) 1,1-Dichloroethane	4.555	63	10088	0.118	ppbv #	89
25) Ethyl Acetate	5.211	43	22825	0.117	ppbv #	97
26) Hexane	5.208	57	15601	0.175	ppbv	83
27) Carbon Disulfide	4.124	76	8855	0.090	ppbv #	53
29) Chloroform	5.269	83	8797	0.068	ppbv	86
30) Cyclohexane	6.581	84	3462	0.046	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	8522	0.104	ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	13586	0.099	ppbv #	89
35) Carbon Tetrachloride	6.481	117	10068	0.073	ppbv #	81
36) Benzene	6.359	78	10476	0.055	ppbv #	79
37) 1,2-Dichloroethane	5.800	62	7432	0.077	ppbv #	88
38) Trichloroethene	7.272	130	3015	0.036	ppbv #	66
39) 1,2-Dichloropropane	6.639	63	577783	7.810	ppbv #	27
42) Bromodichloromethane	7.234	83	14116	0.097	ppbv #	98
44) 2,2,4-Trimethylpentane	7.314	57	25599	0.080	ppbv #	78
47) 1,1,2-Trichloroethane	8.867	97	2598	0.033	ppbv #	73
48) Dibromochloromethane	9.680	129	4039	0.031	ppbv #	10
53) Toluene	9.205	91	21814	0.097	ppbv	92
54) 1,2-Dibromoethane	9.995	107	6595	0.061	ppbv	92
57) Chlorobenzene	11.507	112	8569	0.053	ppbv #	61
58) Ethyl Benzene	12.069	91	30057	0.107	ppbv	95
59) m/p-Xylene	12.352	91	21653	0.093	ppbv #	2
60) o-Xylene	13.034	91	10952	0.050	ppbv #	12
61) Styrene	12.870	104	4035	0.033	ppbv #	1
62) Isopropylbenzene	13.999	105	15976	0.047	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.028	83	8408	0.051	ppbv #	11

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

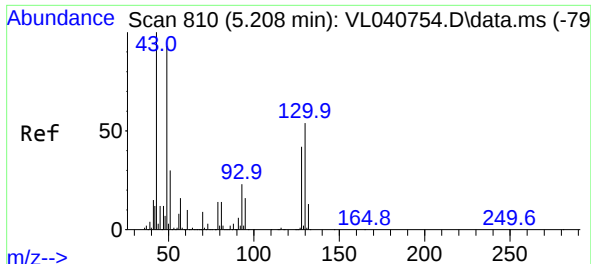
Quant Time: Oct 24 16:12:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Oct 24 16:11:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.072	119	28755	0.094	ppbv #	77
67) sec-Butylbenzene	16.603	105	12993	0.031	ppbv #	57
69) p-Isopropyltoluene	16.970	119	12617	0.036	ppbv #	47
71) 2-Chlorotoluene	14.777	91	14334	0.056	ppbv #	50
72) 4-Ethyltoluene	15.169	105	10999	0.042	ppbv #	54
74) 1,2,4-Trimethylbenzene	16.085	105	11232	0.045	ppbv #	54
77) 1,2-Dichlorobenzene	17.124	146	12484	0.082	ppbv #	67

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Oct 24 16:11:15 2023
Response via : Initial Calibration

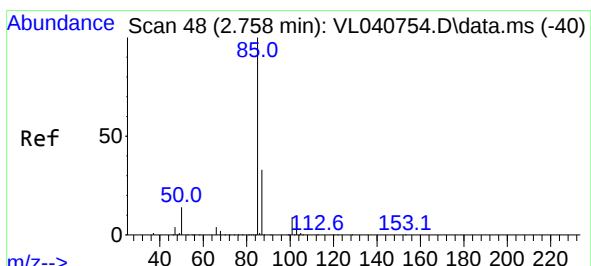
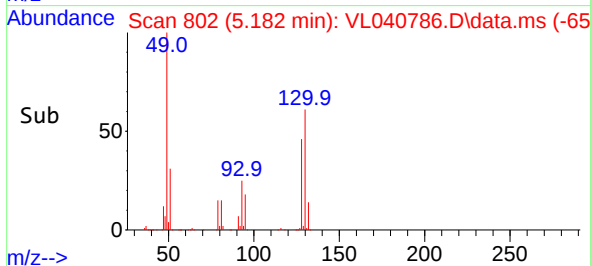
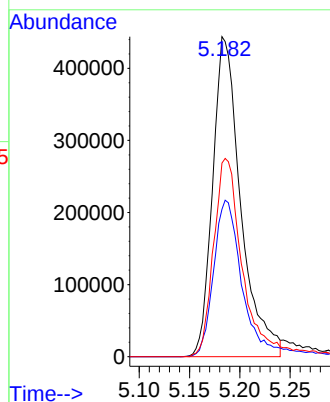
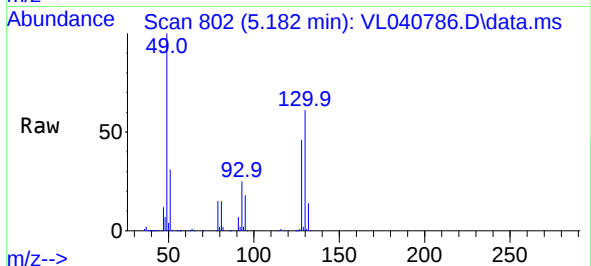




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

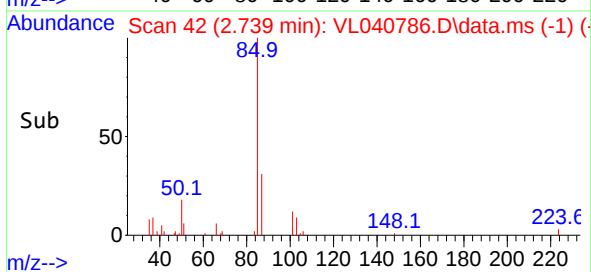
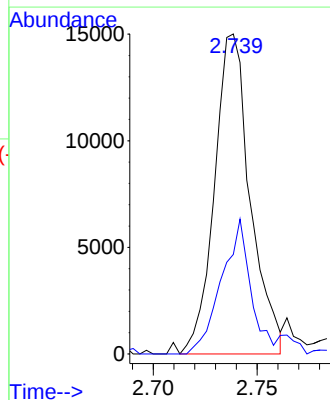
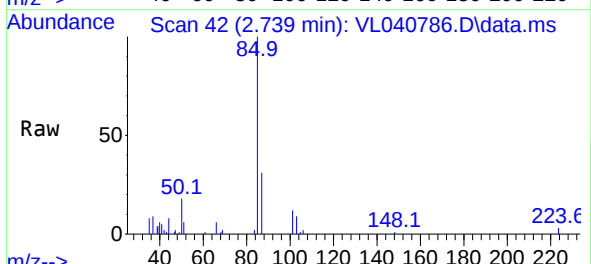
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 861853
Ion Ratio Lower Upper
49 100
128 52.0 23.9 71.7
130 65.6 30.7 92.1

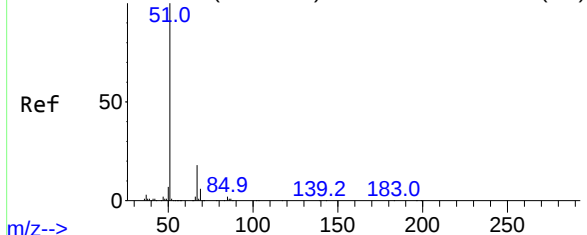


#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.739 min Scan# 42
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 85 Resp: 17978
Ion Ratio Lower Upper
85 100
87 31.1 26.0 39.0



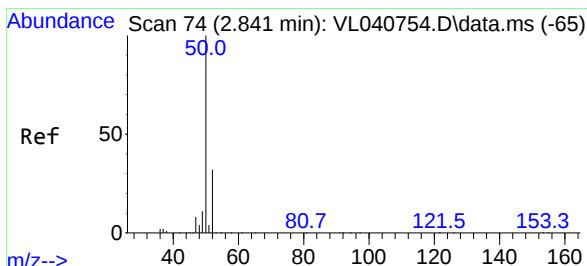
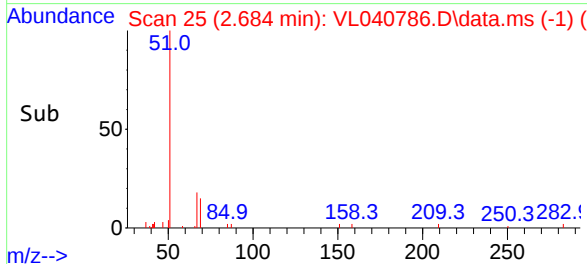
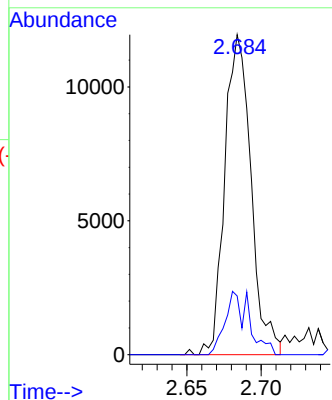
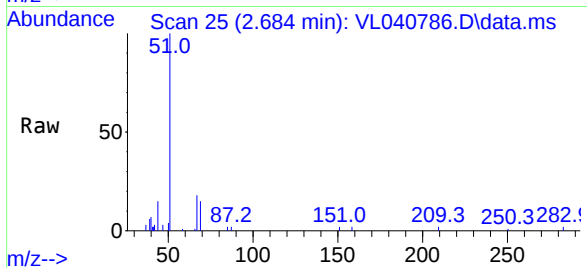
Abundance Scan 31 (2.703 min): VL040754.D\data.ms (-19)



#3
Chlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

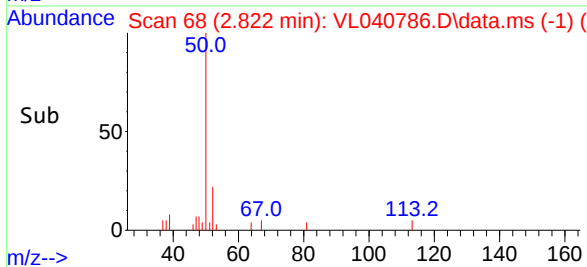
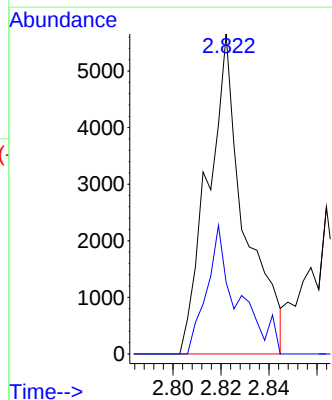
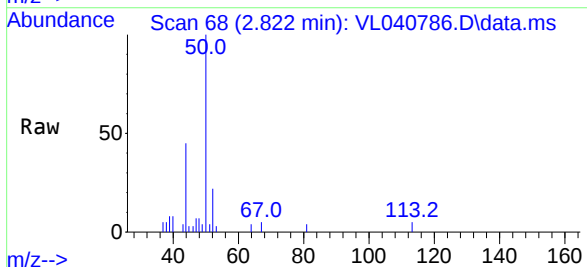
Instrument :
MSVOA_L
ClientSampleId :

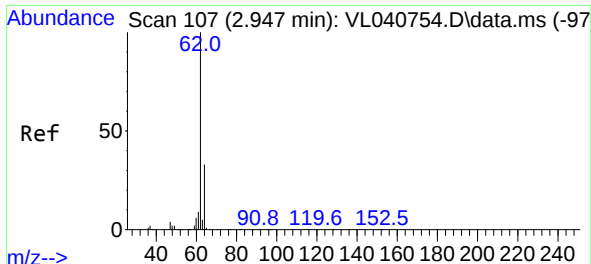
Tgt Ion: 51 Resp: 14743
Ion Ratio Lower Upper
51 100
67 18.1 13.8 20.6



#4
Chloromethane
Concen: 0.120 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 50 Resp: 5989
Ion Ratio Lower Upper
50 100
52 22.4 25.3 37.9#

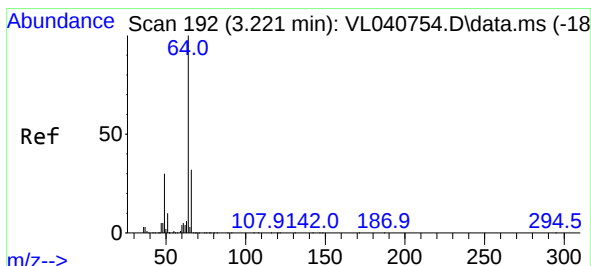
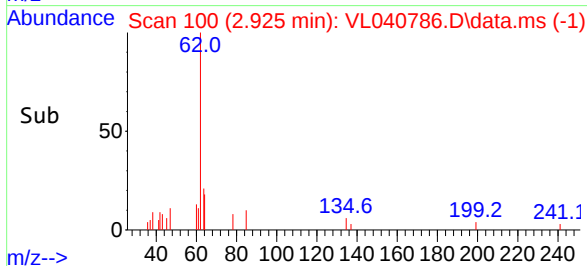
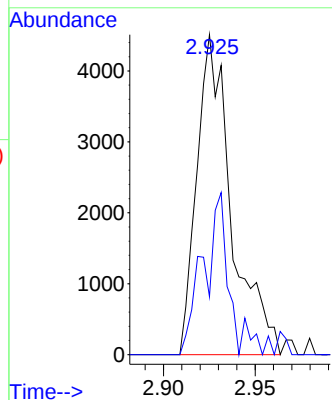
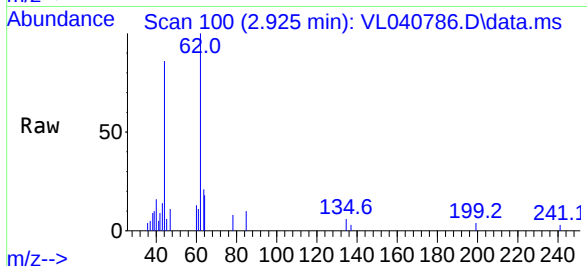




#5
Vinyl Chloride
Concen: 0.115 ppbv
RT: 2.925 min Scan# 107
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

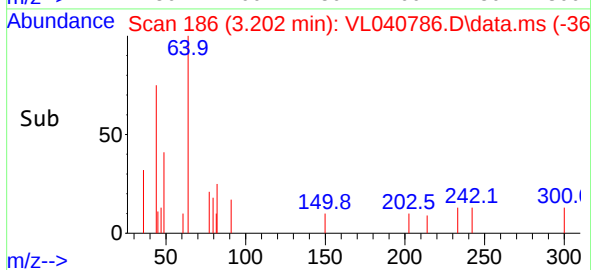
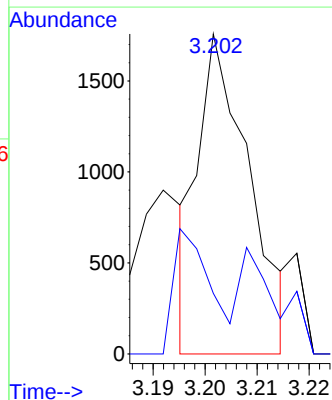
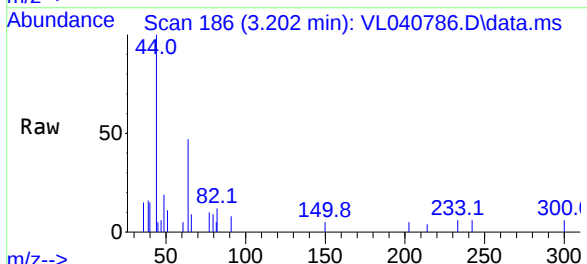
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 5926
Ion Ratio Lower Upper
62 100
64 18.1 26.6 39.8#

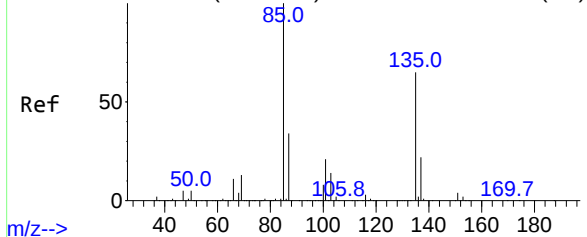


#7
Chloroethane
Concen: 0.071 ppbv
RT: 3.202 min Scan# 186
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 64 Resp: 1198
Ion Ratio Lower Upper
64 100
66 18.9 25.4 38.2#



Abundance Scan 87 (2.883 min): VL040754.D\data.ms (-79)

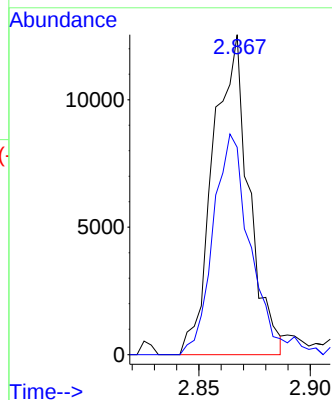
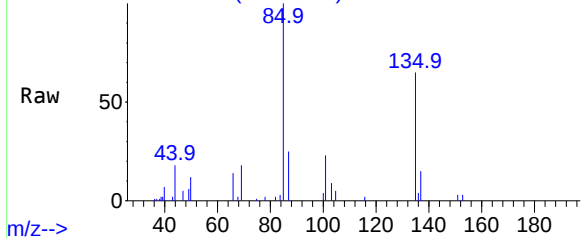


#8
Dichlorotetrafluoroethane
Concen: 0.122 ppbv
RT: 2.867 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

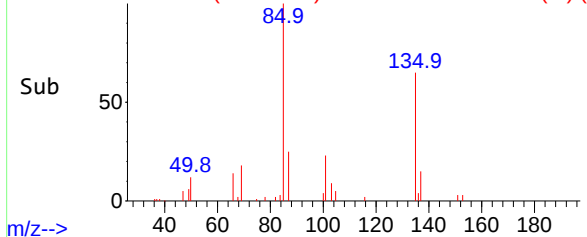
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 14012
Ion Ratio Lower Upper
85 100
135 74.1 55.4 83.2

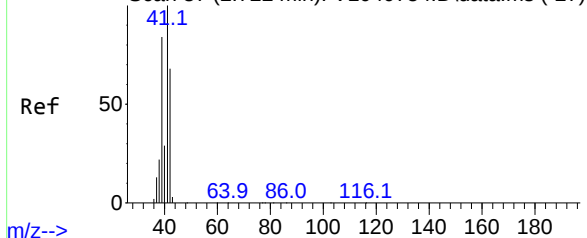
Abundance Scan 82 (2.867 min): VL040786.D\data.ms



Abundance Scan 82 (2.867 min): VL040786.D\data.ms (-1) (-



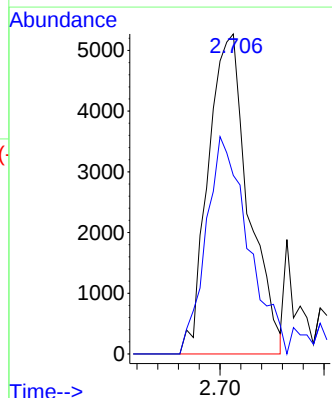
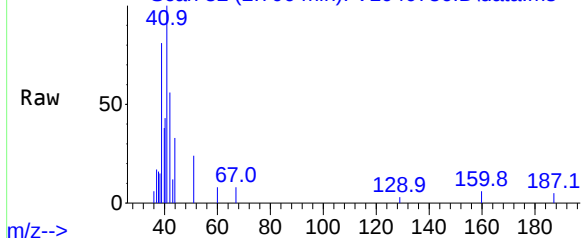
Abundance Scan 37 (2.722 min): VL040754.D\data.ms (-27)



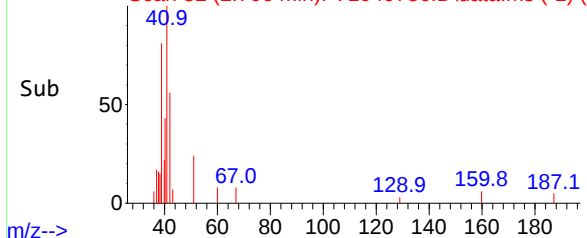
#9
Propene
Concen: 0.151 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

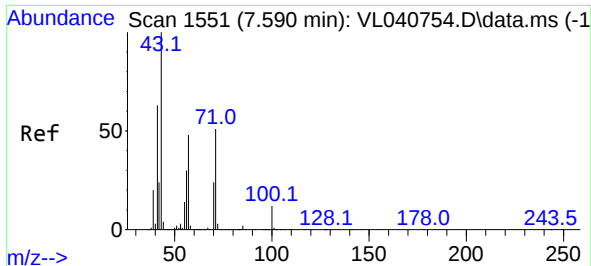
Tgt Ion: 41 Resp: 7099
Ion Ratio Lower Upper
41 100
42 78.3 57.1 85.7

Abundance Scan 32 (2.706 min): VL040786.D\data.ms



Abundance Scan 32 (2.706 min): VL040786.D\data.ms (-1) (-





#10

Heptane

Concen: 0.105 ppbv

RT: 7.562 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

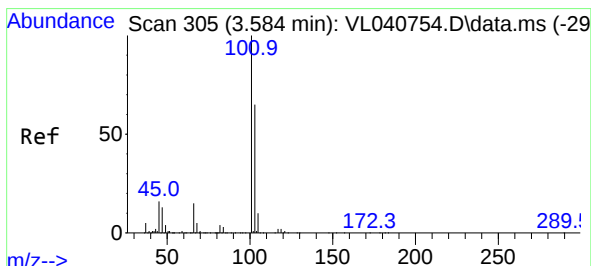
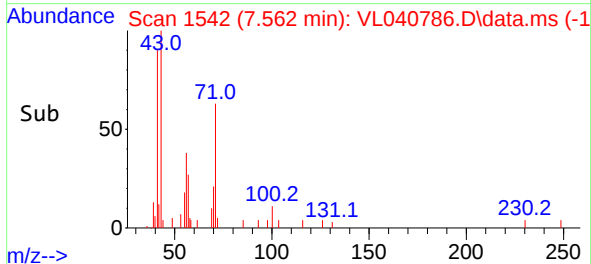
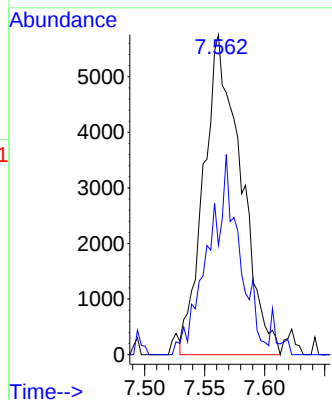
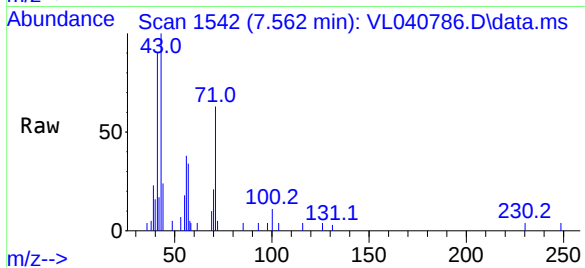
ClientSampleId :

Tgt Ion: 43 Resp: 12382

Ion Ratio Lower Upper

43 100

57 54.6 40.0 60.0



#11

Trichlorofluoromethane

Concen: 0.126 ppbv

RT: 3.565 min Scan# 299

Delta R.T. -0.019 min

Lab File: VL040786.D

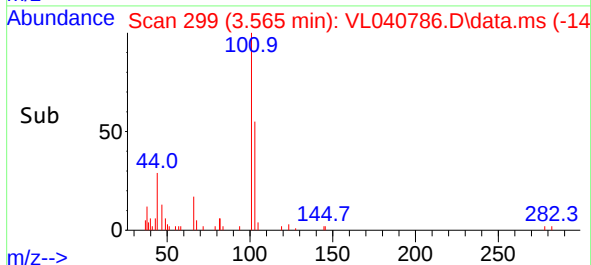
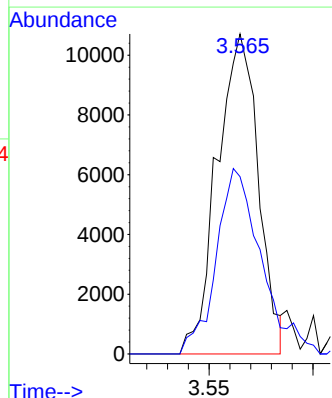
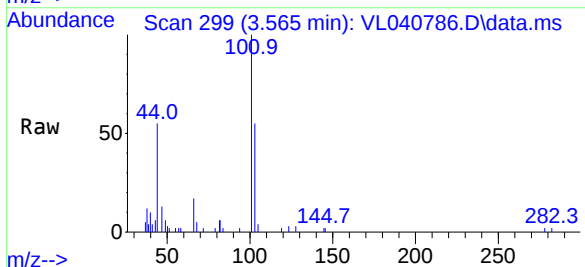
Acq: 23 Oct 2023 19:53

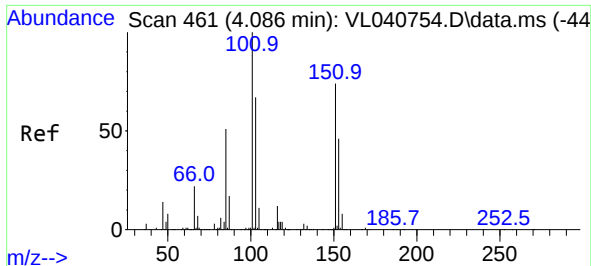
Tgt Ion: 101 Resp: 14748

Ion Ratio Lower Upper

101 100

103 55.4 52.2 78.2

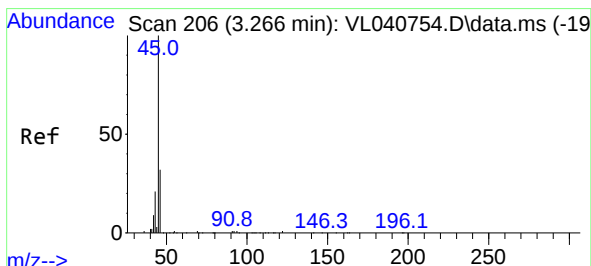
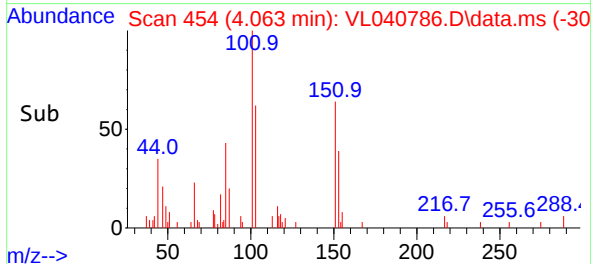
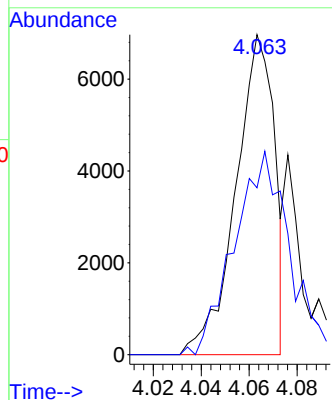
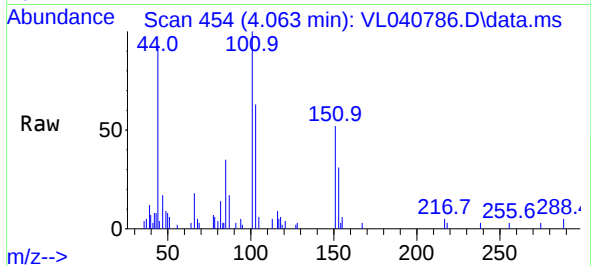




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.094 ppbv
RT: 4.063 min Scan# 4
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

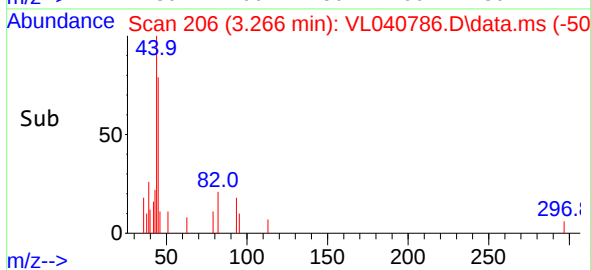
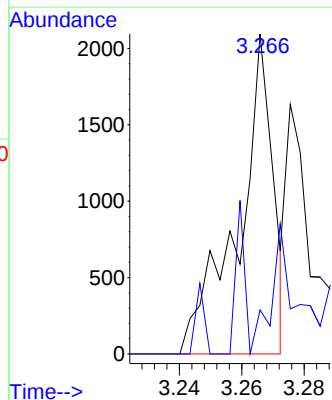
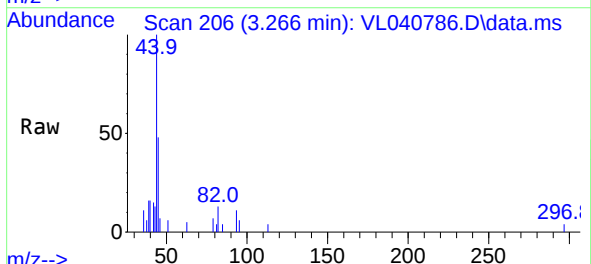
Instrument :
MSVOA_L
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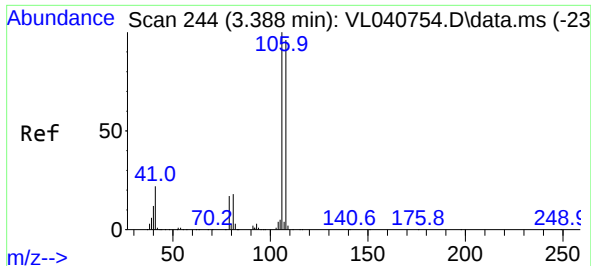
Tgt Ion:101 Resp: 7850
Ion Ratio Lower Upper
101 100
151 93.4 58.1 87.1#



#13
Ethanol
Concen: 0.153 ppbv
RT: 3.266 min Scan# 206
Delta R.T. 0.000 min
Lab File: VL040786.D
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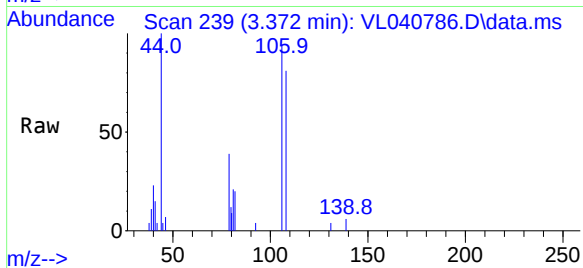
Tgt Ion: 45 Resp: 1622
Ion Ratio Lower Upper
45 100
46 46.4 14.6 58.2



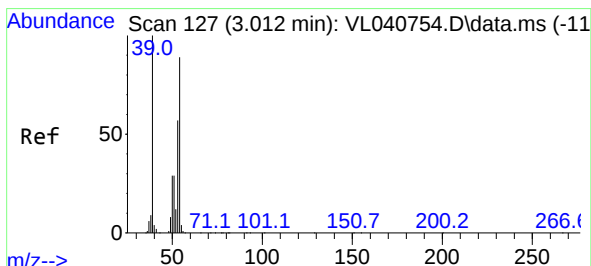
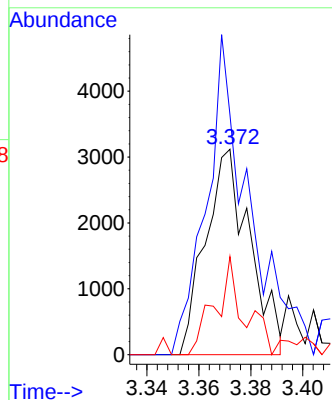
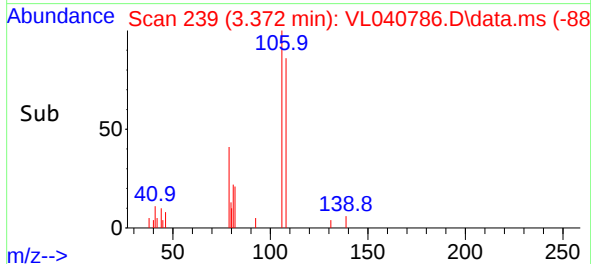


#14
Bromoethene
Concen: 0.103 ppbv
RT: 3.372 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

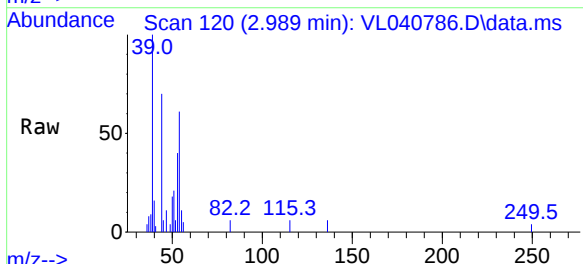
Instrument :
MSVOA_L
ClientSampleId :



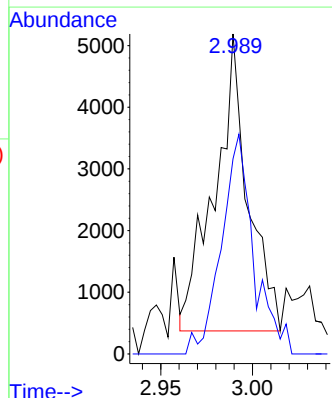
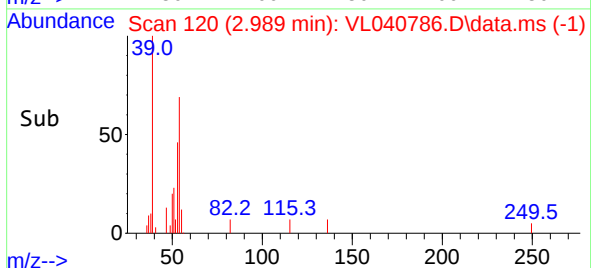
Tgt Ion:108 Resp: 3694
Ion Ratio Lower Upper
108 100
106 160.2 85.2 127.8#
79 38.6 15.7 23.5#

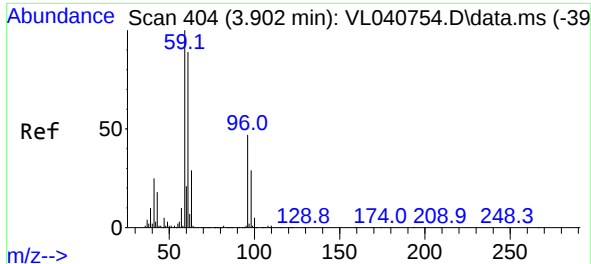


#16
1,3-Butadiene
Concen: 0.130 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



Tgt Ion: 39 Resp: 6098
Ion Ratio Lower Upper
39 100
54 71.2 63.0 94.6





#18

1,1-Dichloroethene

Concen: 0.060 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

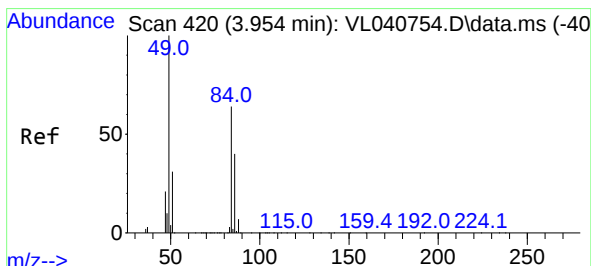
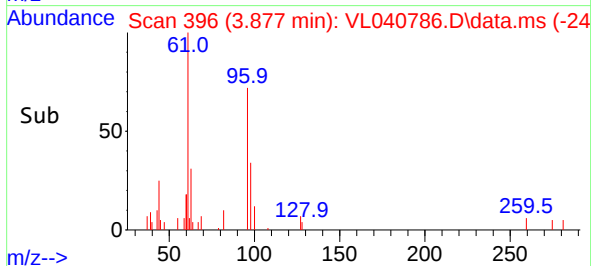
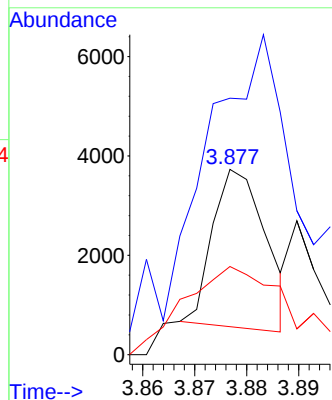
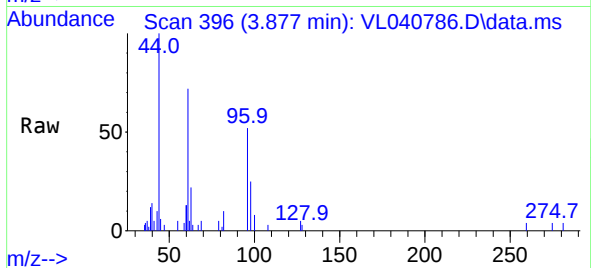
Tgt Ion: 96 Resp: 2236

Ion Ratio Lower Upper

96 100

61 101.6 152.5 228.7#

98 15.1 49.6 74.4#



#20

Methylene Chloride

Concen: 0.317 ppbv

RT: 3.935 min Scan# 414

Delta R.T. -0.019 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Tgt Ion: 84 Resp: 11780

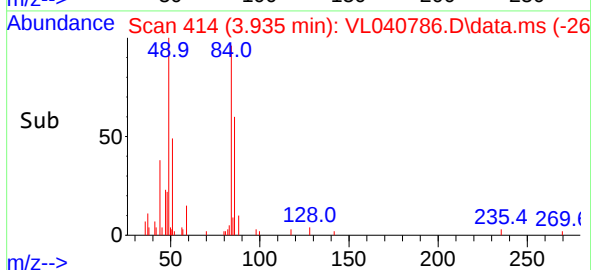
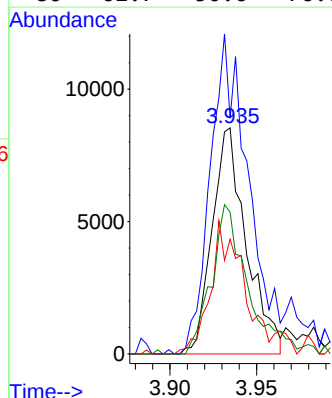
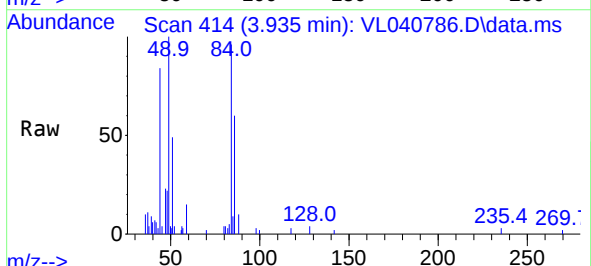
Ion Ratio Lower Upper

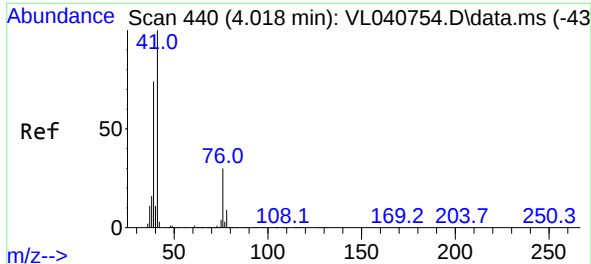
84 100

49 104.2 125.6 188.4#

51 48.9 38.9 58.3

86 62.7 50.6 76.0

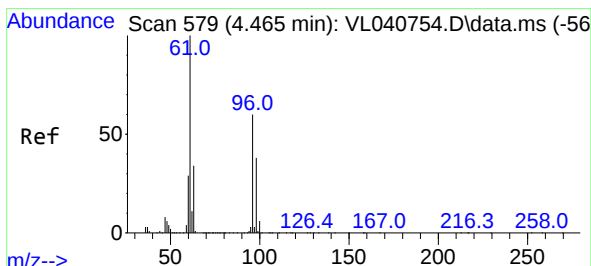
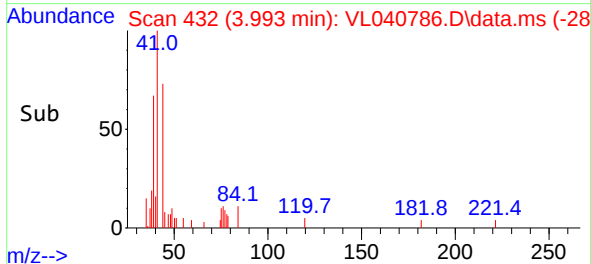
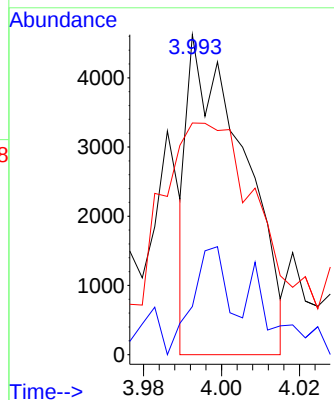
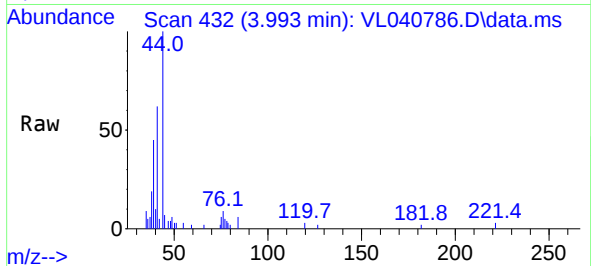




#21
Allyl Chloride
Concen: 0.078 ppbv
RT: 3.993 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

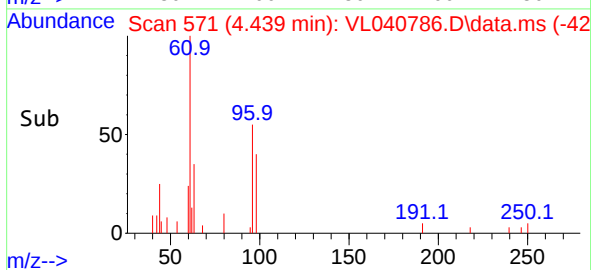
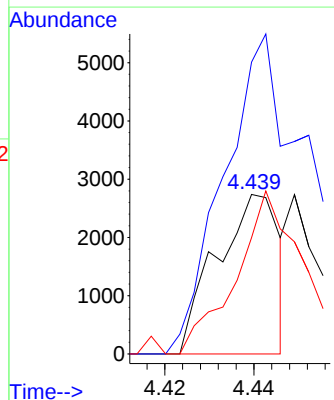
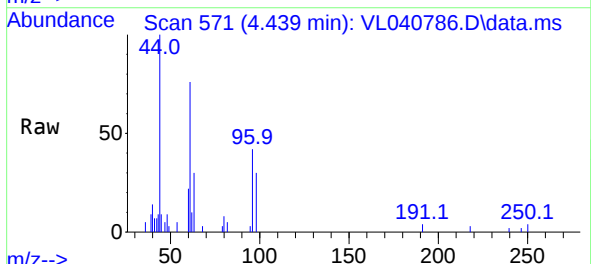
Instrument :
MSVOA_L
ClientSampleId :

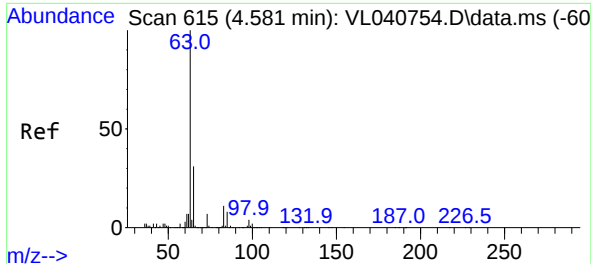
Tgt Ion: 41 Resp: 4588
Ion Ratio Lower Upper
41 100
76 43.5 24.1 36.1#
39 104.4 63.8 95.6#



#22
trans-1,2-Dichloroethene
Concen: 0.067 ppbv
RT: 4.439 min Scan# 571
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 96 Resp: 2660
Ion Ratio Lower Upper
96 100
61 170.5 134.0 201.0
98 72.9 51.0 76.4

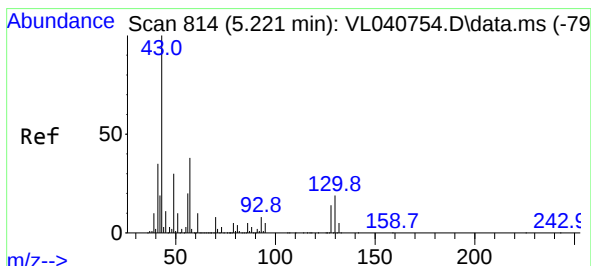
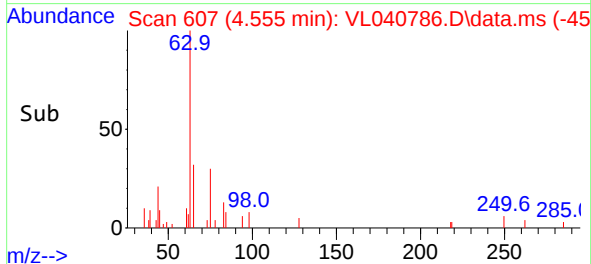
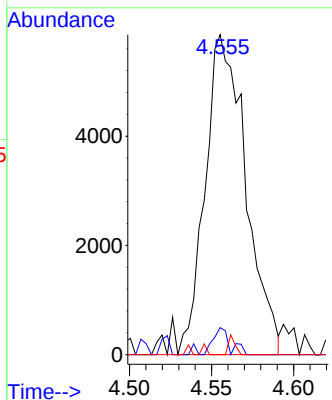
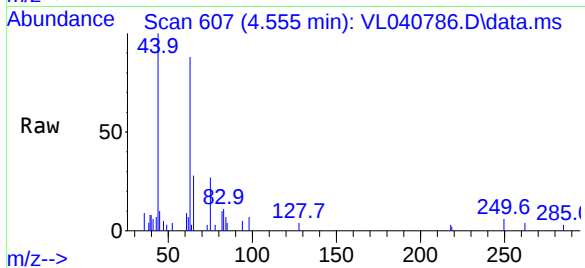




#24
1,1-Dichloroethane
Concen: 0.118 ppbv
RT: 4.555 min Scan# 607
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

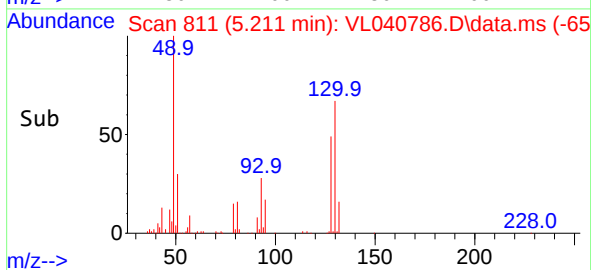
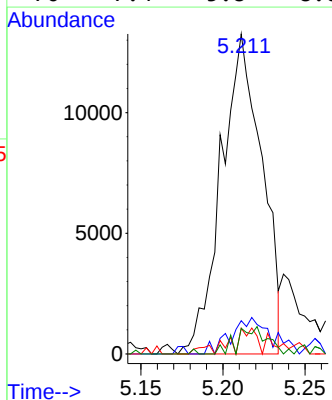
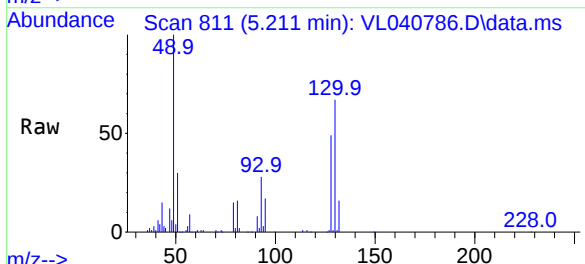
Instrument :
MSVOA_L
ClientSampleId :

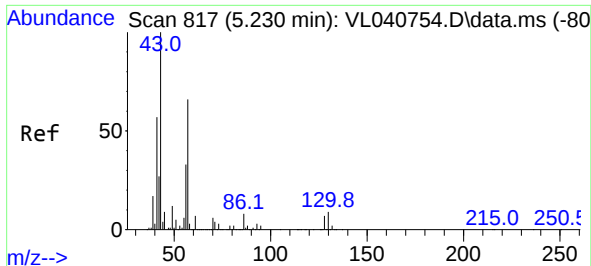
Tgt Ion: 63 Resp: 10088
Ion Ratio Lower Upper
63 100
98 8.2 2.0 5.8#
100 0.0 1.3 3.8#



#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

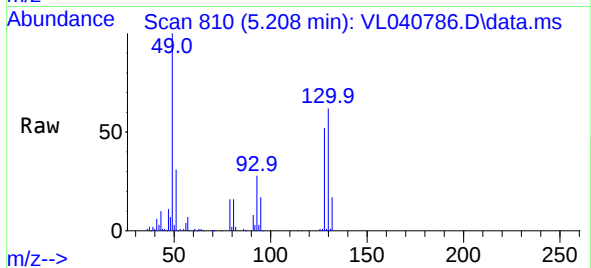
Tgt Ion: 43 Resp: 22825
Ion Ratio Lower Upper
43 100
45 11.3 8.2 12.4
61 8.0 8.2 12.2#
70 7.4 5.8 8.6



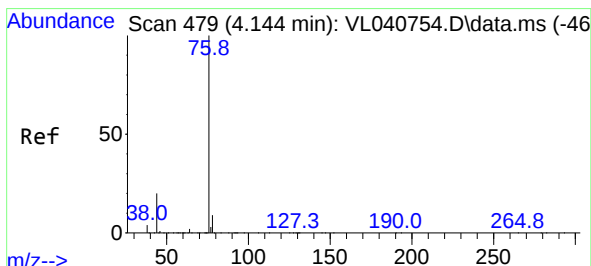
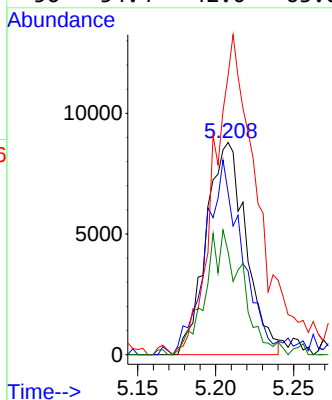
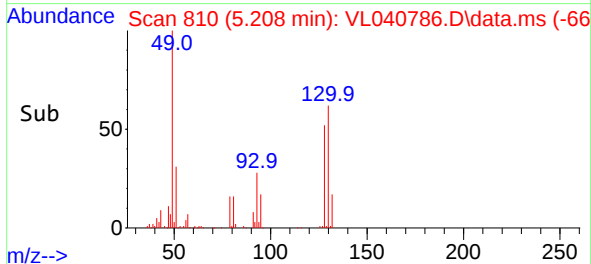


#26
Hexane
Concen: 0.175 ppbv
RT: 5.208 min Scan# 817
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

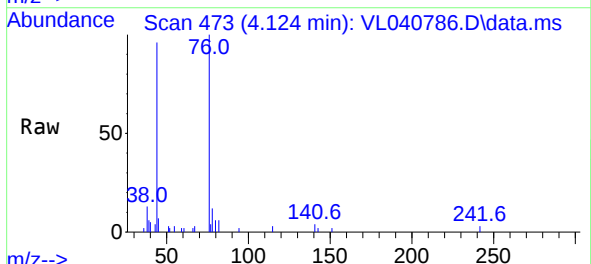
Instrument :
MSVOA_L
ClientSampleId :



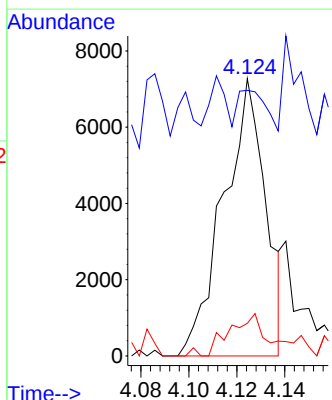
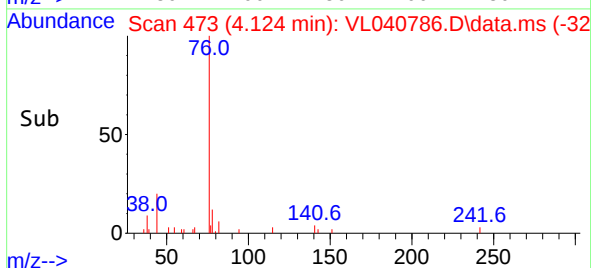
Tgt Ion: 57 Resp: 15601
Ion Ratio Lower Upper
57 100
41 90.9 71.4 107.2
43 184.8 182.3 273.5
56 54.4 42.0 63.0

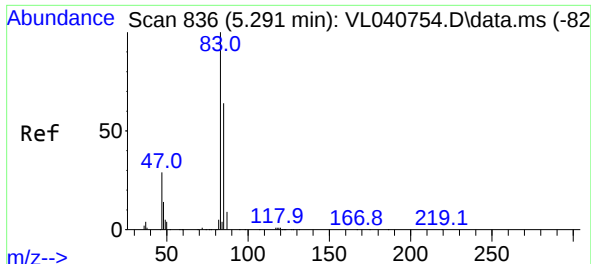


#27
Carbon Disulfide
Concen: 0.090 ppbv
RT: 4.124 min Scan# 473
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



Tgt Ion: 76 Resp: 8855
Ion Ratio Lower Upper
76 100
44 46.2 16.6 25.0#
78 21.4 7.8 11.6#





#29

Chloroform

Concen: 0.068 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.022 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

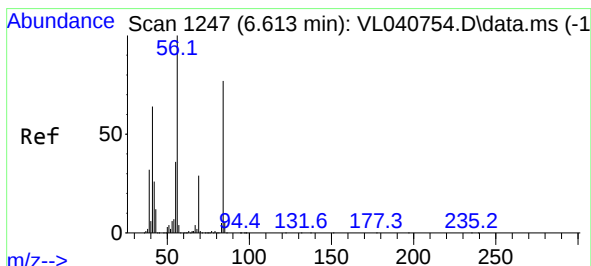
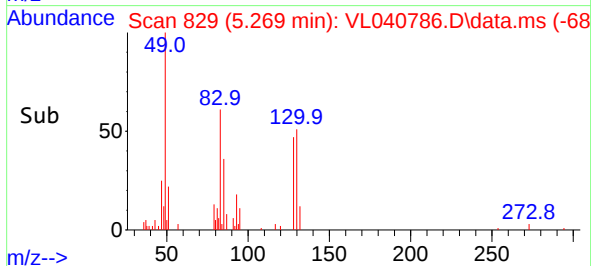
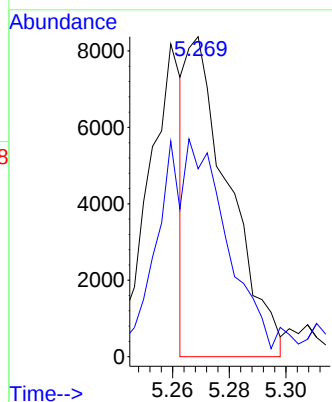
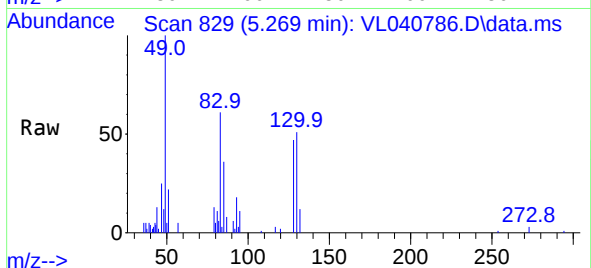
ClientSampleId :

Tgt Ion: 83 Resp: 8797

Ion Ratio Lower Upper

83 100

85 52.8 51.3 76.9



#30

Cyclohexane

Concen: 0.046 ppbv

RT: 6.581 min Scan# 1237

Delta R.T. -0.032 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

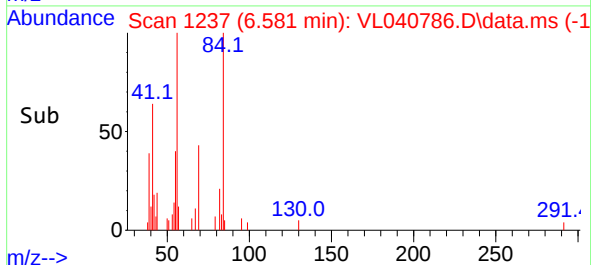
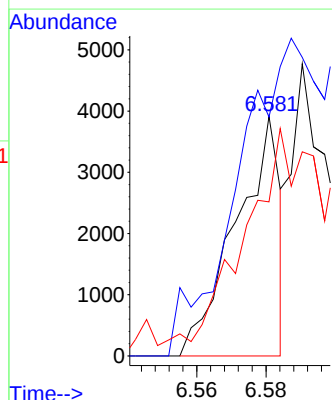
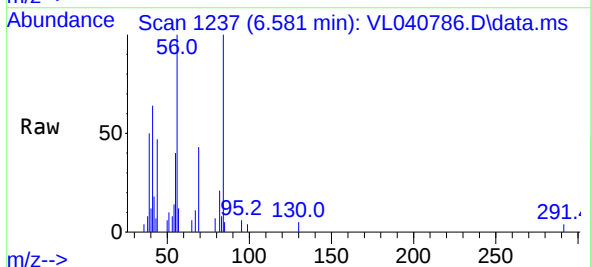
Tgt Ion: 84 Resp: 3462

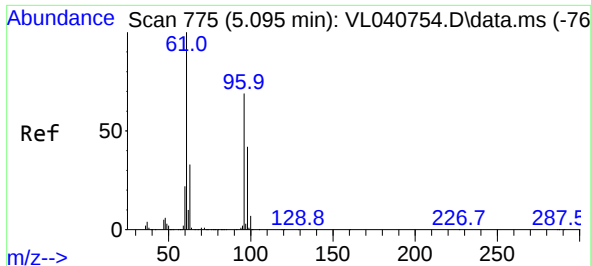
Ion Ratio Lower Upper

84 100

56 0.0 110.3 165.5#

41 0.0 67.4 101.2#

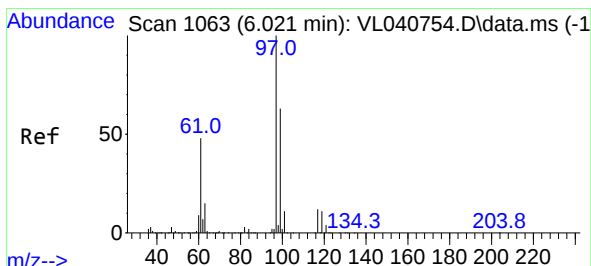
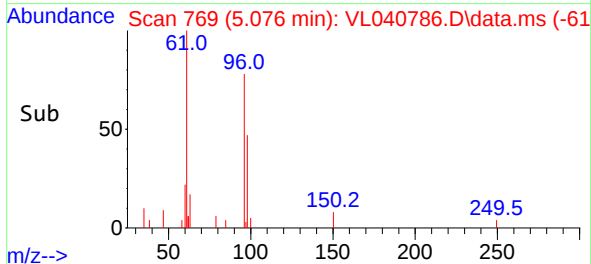
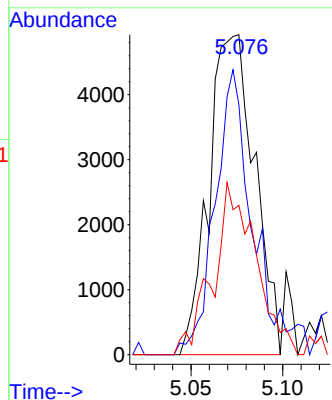
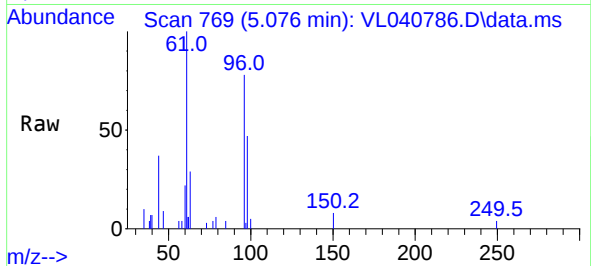




#31
cis-1,2-Dichloroethene
Concen: 0.104 ppbv
RT: 5.076 min Scan# 70
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

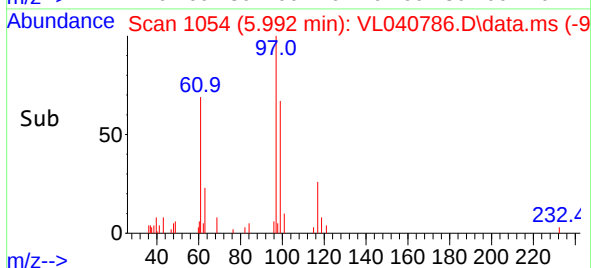
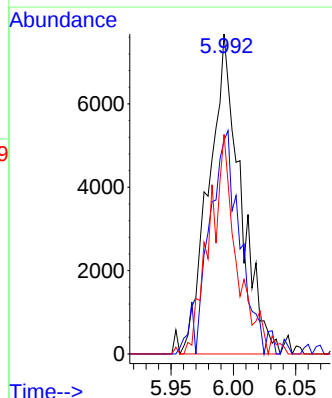
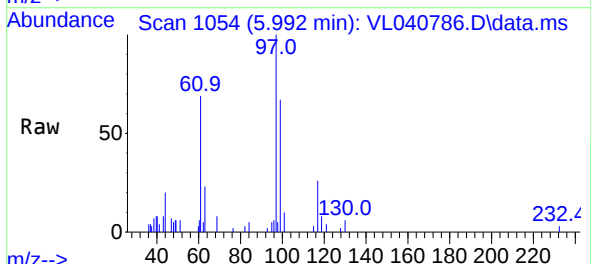
Instrument :
MSVOA_L
ClientSampleId :

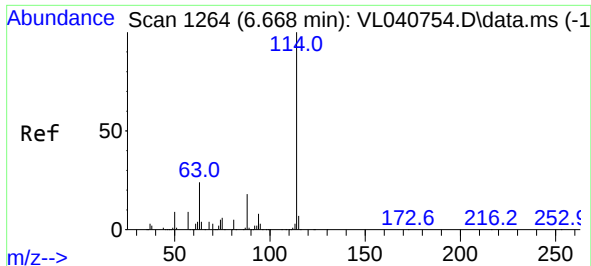
Tgt Ion: 61 Resp: 8522
Ion Ratio Lower Upper
61 100
96 70.1 55.1 82.7
98 39.6 33.5 50.3



#32
1,1,1-Trichloroethane
Concen: 0.099 ppbv
RT: 5.992 min Scan# 1054
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 97 Resp: 13586
Ion Ratio Lower Upper
97 100
99 69.3 51.8 77.6
61 60.0 38.6 58.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

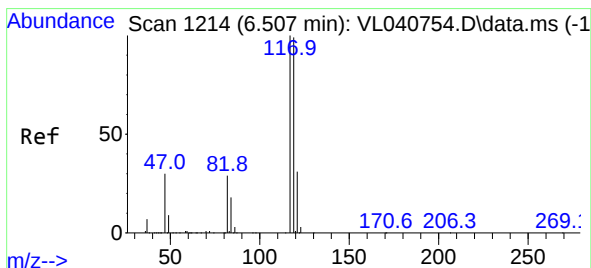
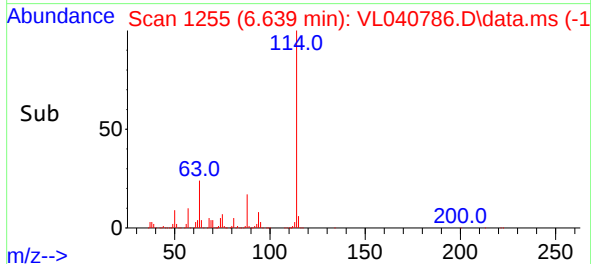
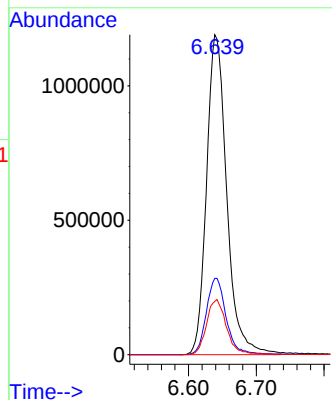
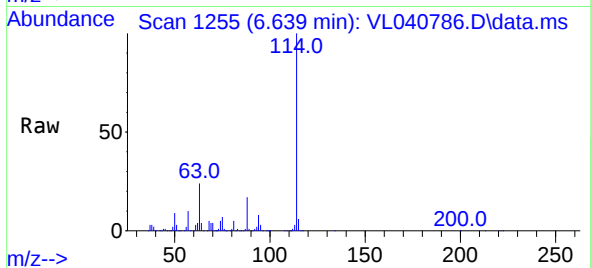
Tgt Ion:114 Resp: 2461969

Ion Ratio Lower Upper

114 100

63 23.7 19.8 29.6

88 17.2 14.2 21.2



#35

Carbon Tetrachloride

Concen: 0.073 ppbv

RT: 6.481 min Scan# 1206

Delta R.T. -0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

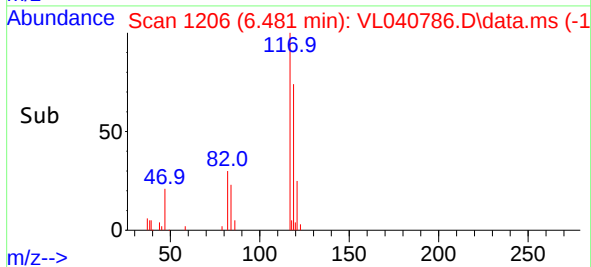
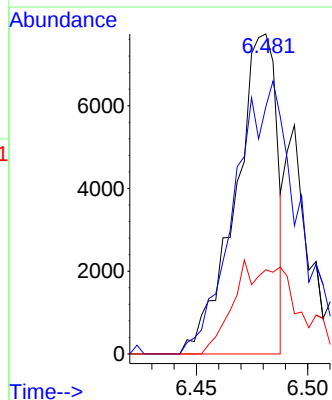
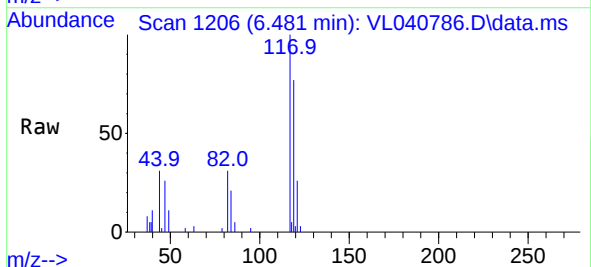
Tgt Ion:117 Resp: 10068

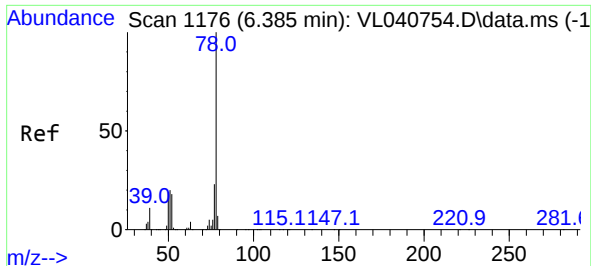
Ion Ratio Lower Upper

117 100

119 77.2 79.4 119.0#

121 26.3 25.0 37.4

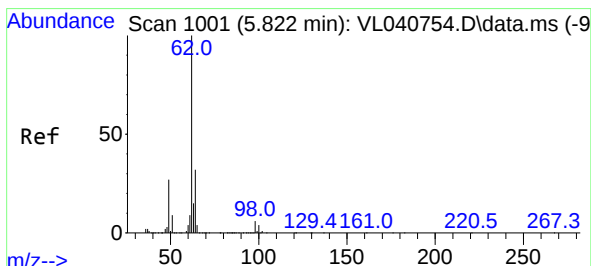
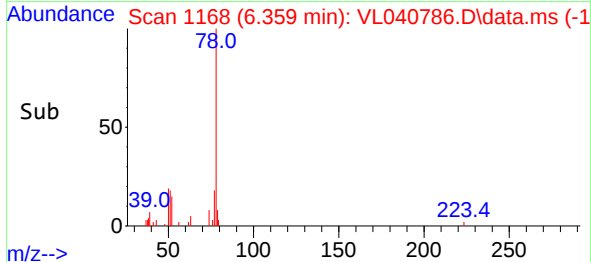
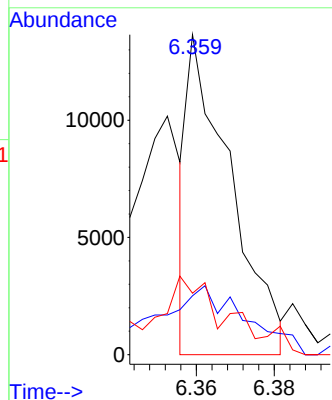
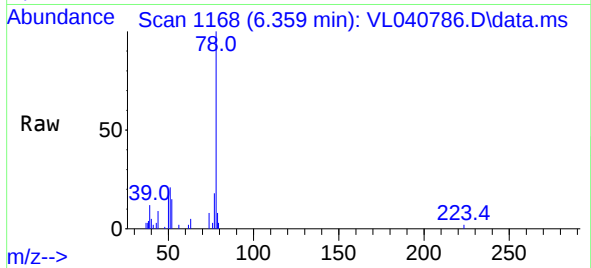




#36
Benzene
Concen: 0.055 ppbv
RT: 6.359 min Scan# 1176
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

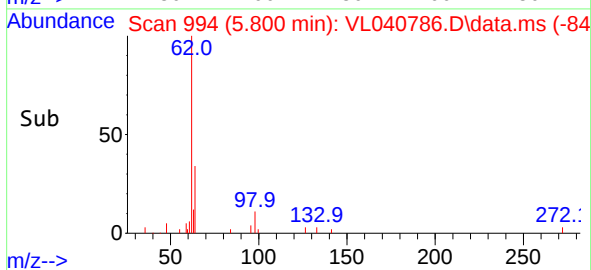
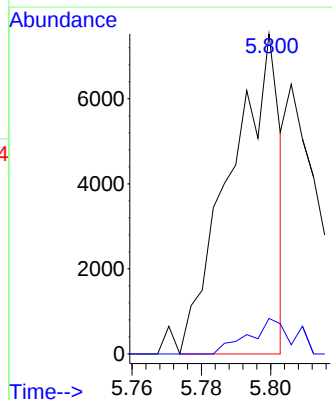
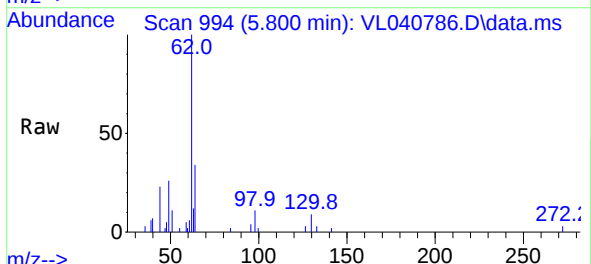
Instrument :
MSVOA_L
ClientSampleId :

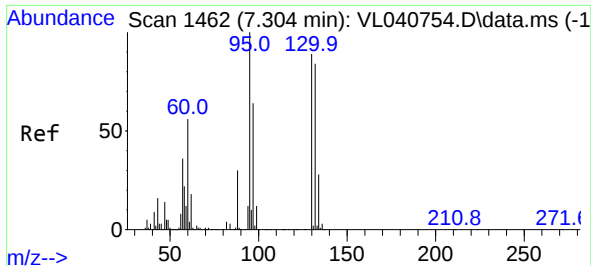
Tgt Ion: 78 Resp: 10476
Ion Ratio Lower Upper
78 100
77 12.1 18.4 27.6#
50 10.6 15.0 22.4#



#37
1,2-Dichloroethane
Concen: 0.077 ppbv
RT: 5.800 min Scan# 994
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 62 Resp: 7432
Ion Ratio Lower Upper
62 100
98 10.8 5.4 8.0#

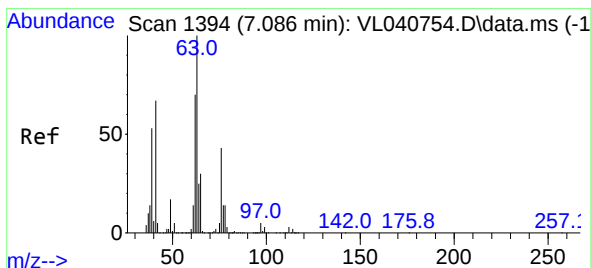
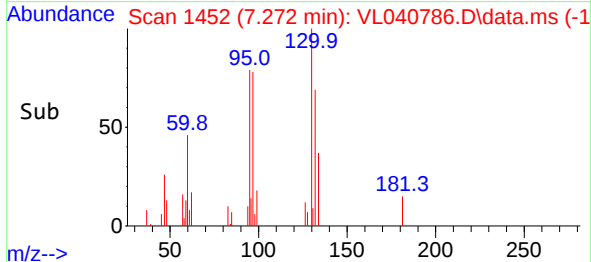
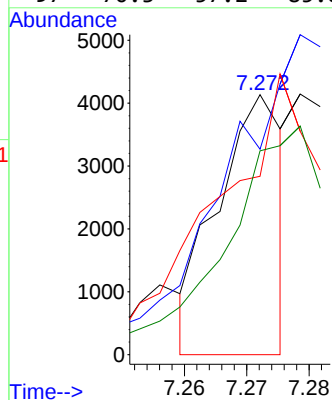
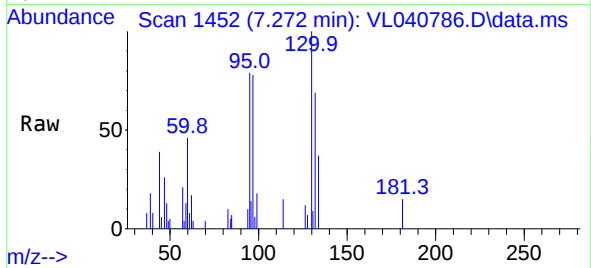




#38
Trichloroethene
Concen: 0.036 ppbv
RT: 7.272 min Scan# 1462
Delta R.T. -0.032 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

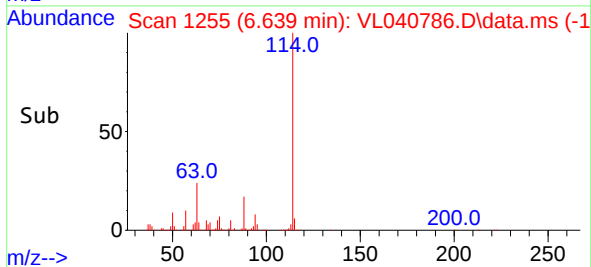
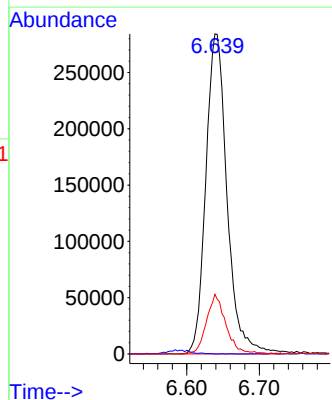
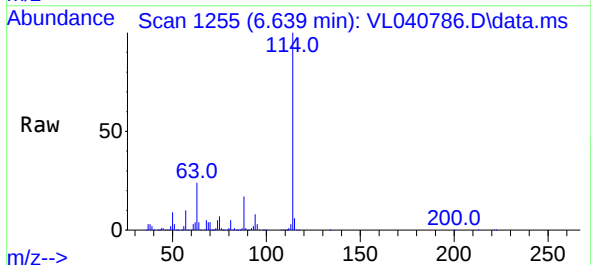
Instrument :
MSVOA_L
ClientSampleId :

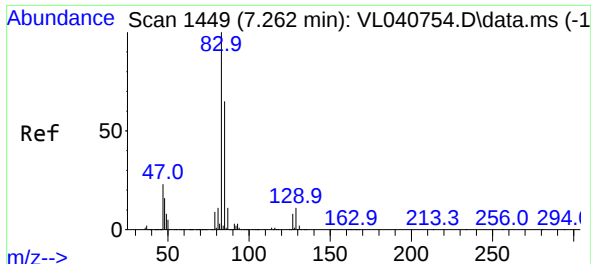
Tgt Ion:130	Resp:	3015
Ion	Ratio	Lower Upper
130	100	
95	77.6	89.4 134.2#
132	33.4	74.8 112.2#
97	70.3	57.2 85.8



#39
1,2-Dichloropropane
Concen: 7.810 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.447 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 63	Resp:	577783
Ion	Ratio	Lower Upper
63	100	
41	0.0	53.7 80.5#
62	18.7	55.7 83.5#

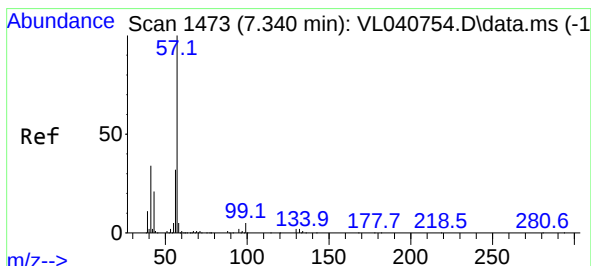
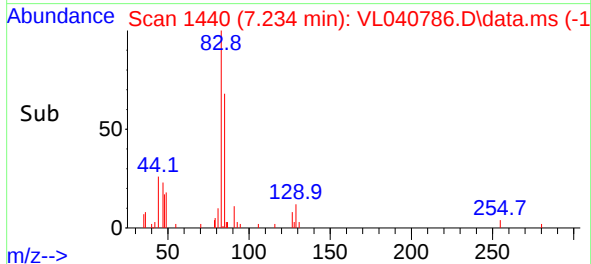
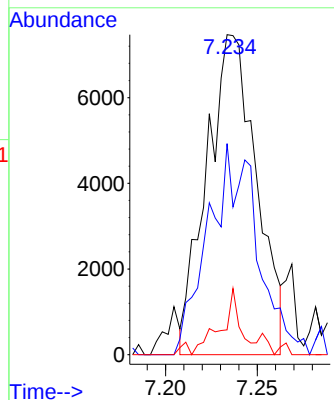
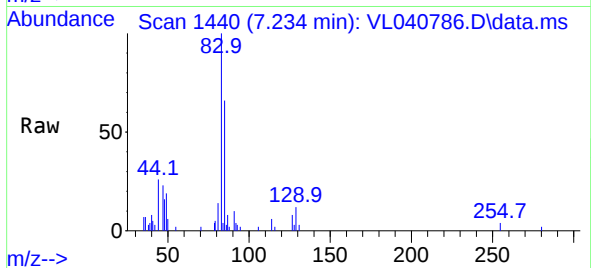




#42
Bromodichloromethane
Concen: 0.097 ppbv
RT: 7.234 min Scan# 1449
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

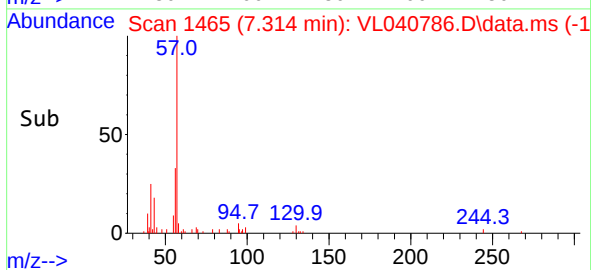
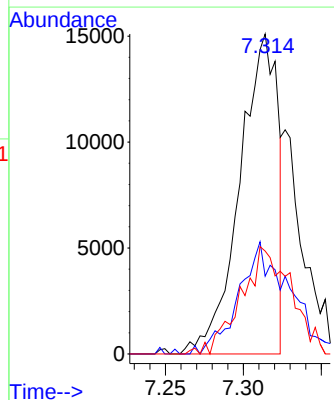
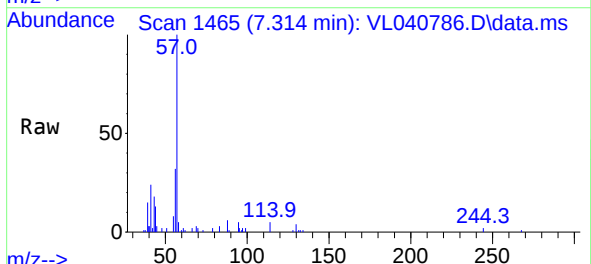
Instrument :
MSVOA_L
ClientSampleId :

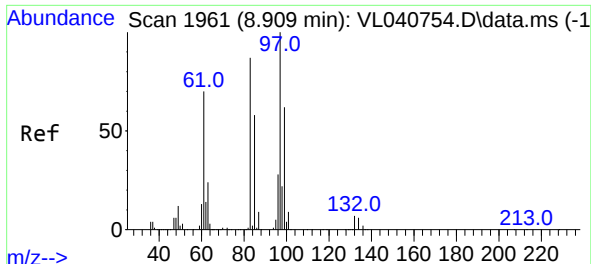
Tgt Ion: 83 Resp: 14116
Ion Ratio Lower Upper
83 100
85 66.4 52.1 78.1
127 6.0 6.7 10.1#



#44
2,2,4-Trimethylpentane
Concen: 0.080 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 57 Resp: 25599
Ion Ratio Lower Upper
57 100
41 46.1 27.4 41.0#
56 44.6 25.0 37.6#

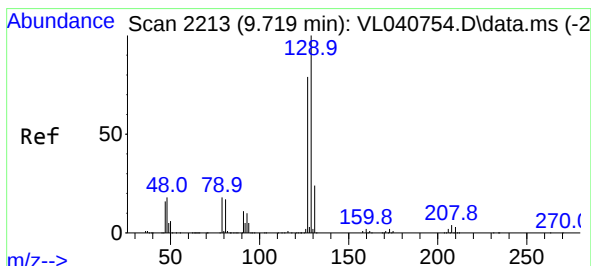
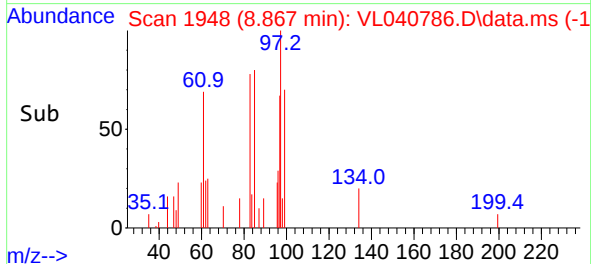
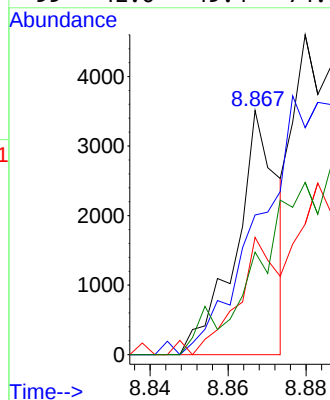
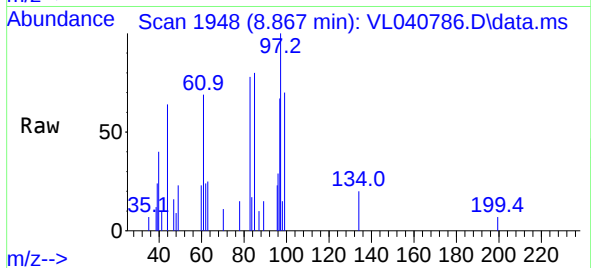




#47
1,1,2-Trichloroethane
Concen: 0.033 ppbv
RT: 8.867 min Scan# 1961
Delta R.T. -0.042 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

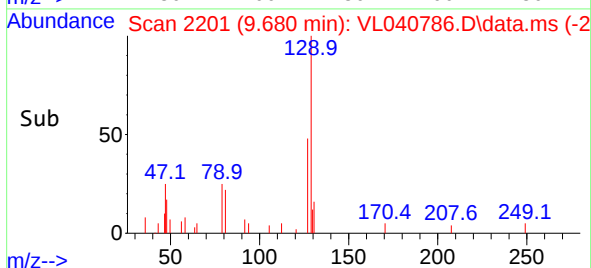
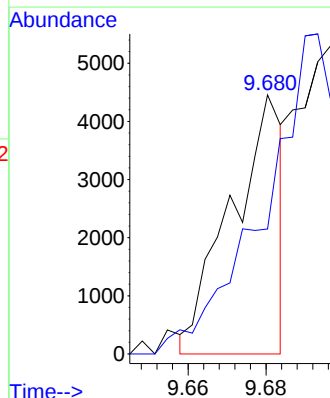
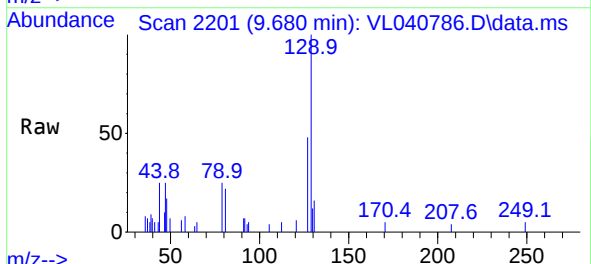
Instrument :
MSVOA_L
ClientSampleId :

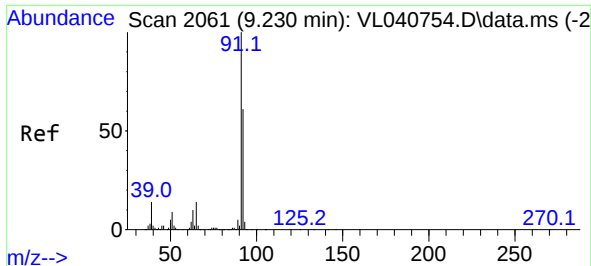
Tgt Ion: 97 Resp: 2598
Ion Ratio Lower Upper
97 100
83 57.2 69.5 104.3#
85 42.2 46.6 69.8#
99 42.0 49.4 74.0#



#48
Dibromochloromethane
Concen: 0.031 ppbv
RT: 9.680 min Scan# 2201
Delta R.T. -0.038 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 129 Resp: 4039
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

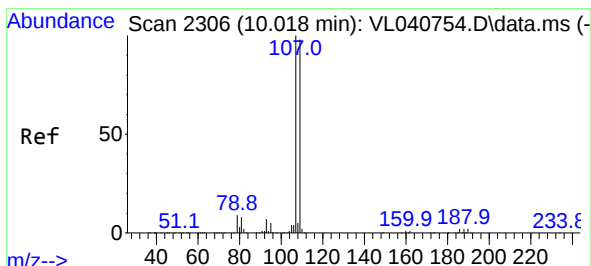
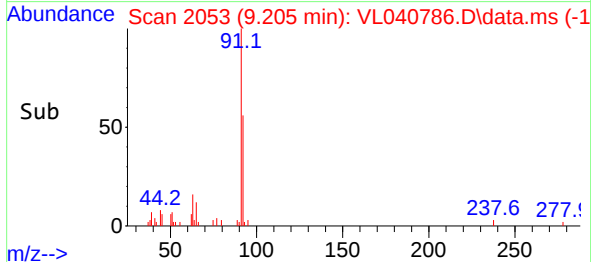
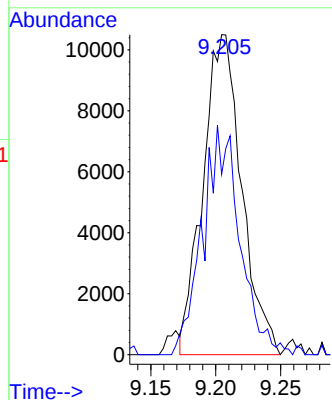
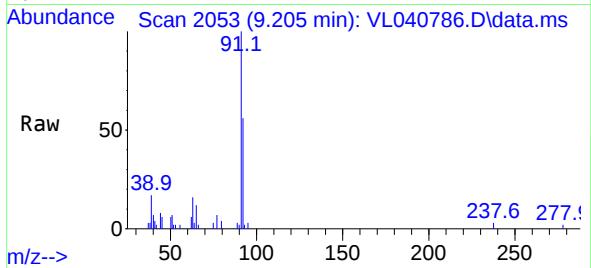




#53
Toluene
Concen: 0.097 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

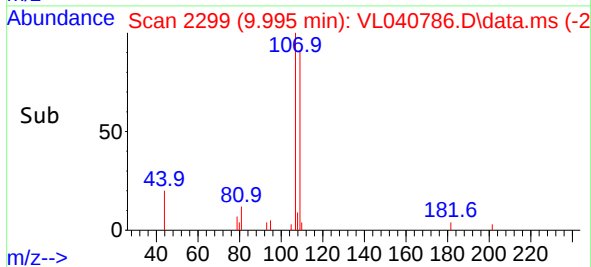
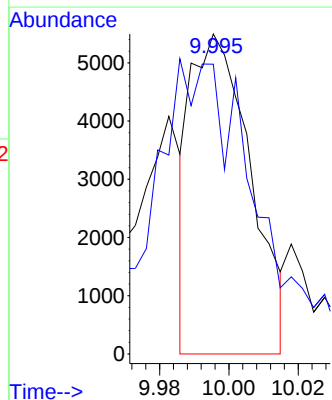
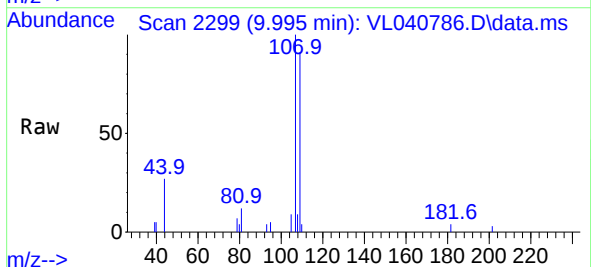
Instrument :
MSVOA_L
ClientSampleId :

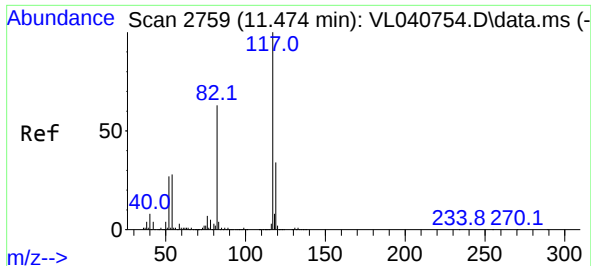
Tgt Ion: 91 Resp: 21814
Ion Ratio Lower Upper
91 100
92 69.0 50.2 75.2



#54
1,2-Dibromoethane
Concen: 0.061 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 107 Resp: 6595
Ion Ratio Lower Upper
107 100
109 106.0 78.2 117.2

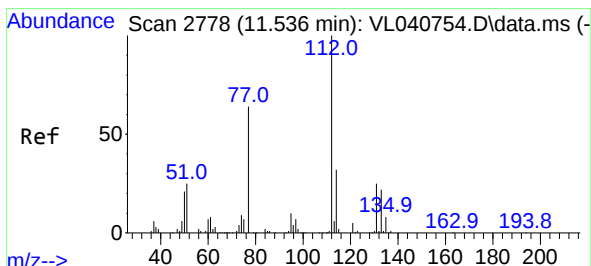
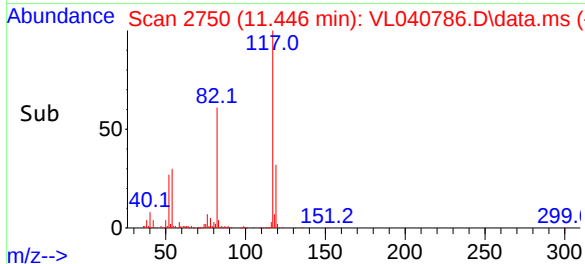
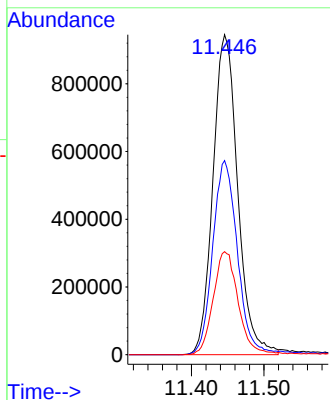
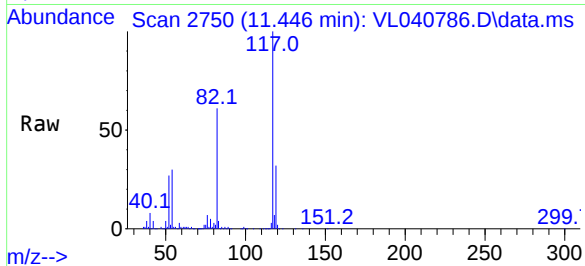




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

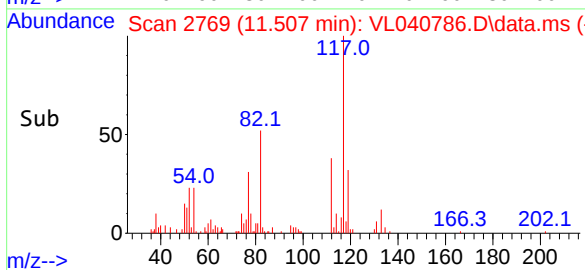
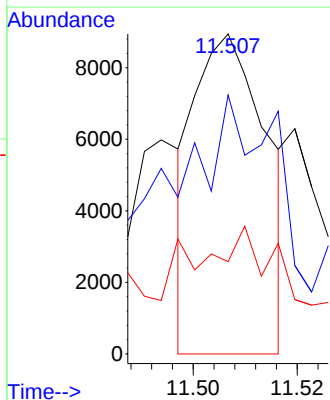
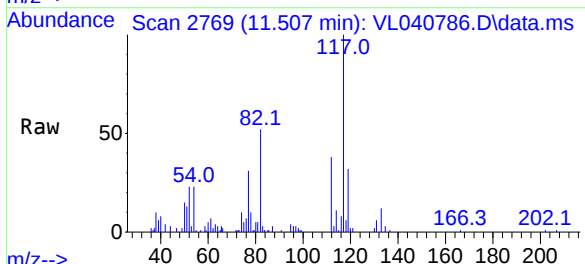
Instrument :
MSVOA_L
ClientSampleId :

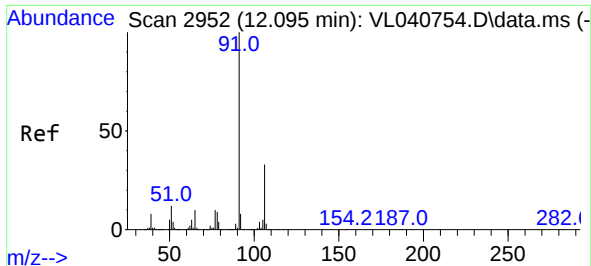
Tgt Ion:117 Resp: 2240197
Ion Ratio Lower Upper
117 100
82 62.0 46.6 70.0
119 33.2 26.0 39.0



#57
Chlorobenzene
Concen: 0.053 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:112 Resp: 8569
Ion Ratio Lower Upper
112 100
77 88.8 51.9 77.9#
114 0.0 28.6 35.0#





#58

Ethyl Benzene

Concen: 0.107 ppbv

RT: 12.069 min Scan# 2952

Delta R.T. -0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

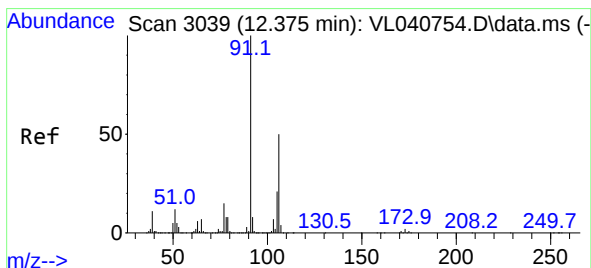
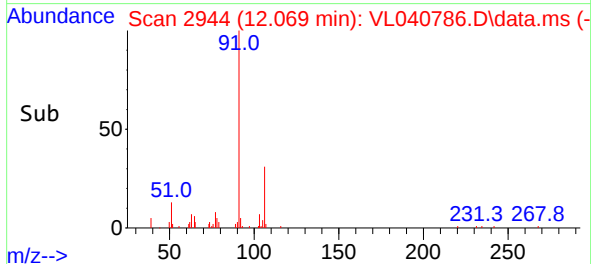
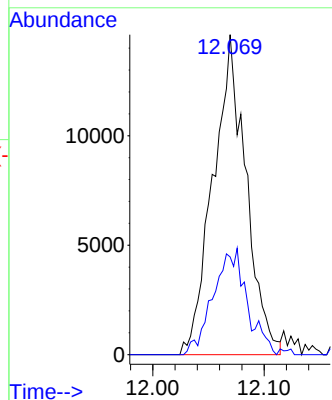
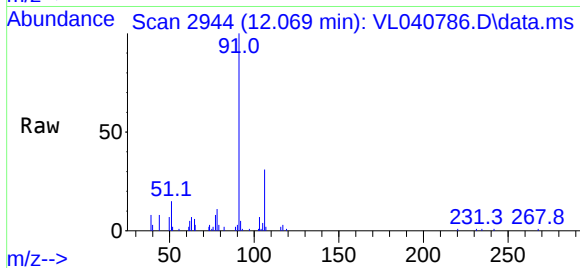
ClientSampleId :

Tgt Ion: 91 Resp: 30057

Ion Ratio Lower Upper

91 100

106 30.5 26.7 40.1



#59

m/p-Xylene

Concen: 0.093 ppbv

RT: 12.352 min Scan# 3032

Delta R.T. -0.022 min

Lab File: VL040786.D

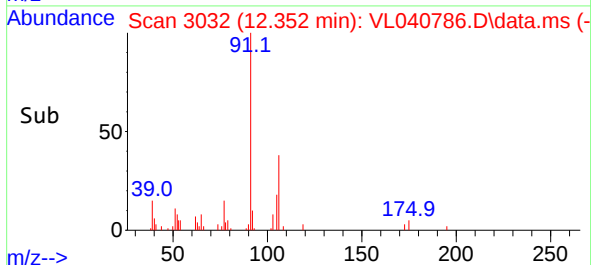
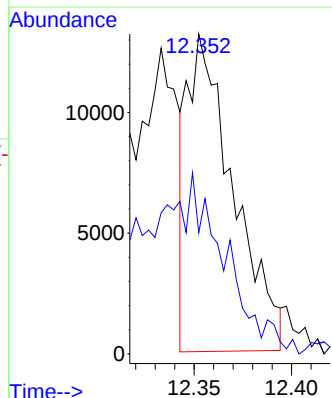
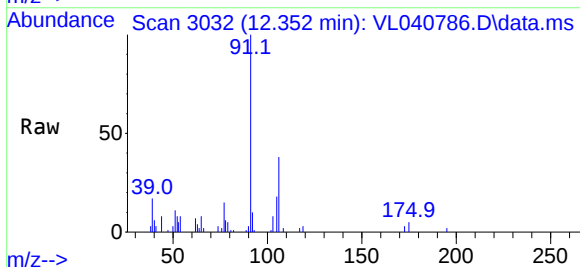
Acq: 23 Oct 2023 19:53

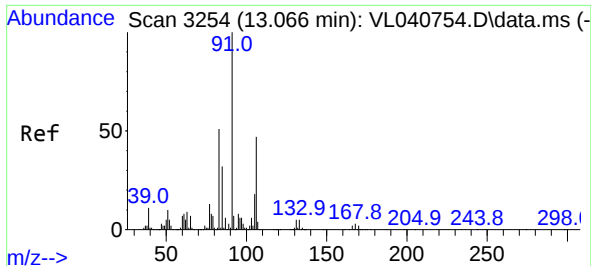
Tgt Ion: 91 Resp: 21653

Ion Ratio Lower Upper

91 100

106 112.4 37.7 56.5#

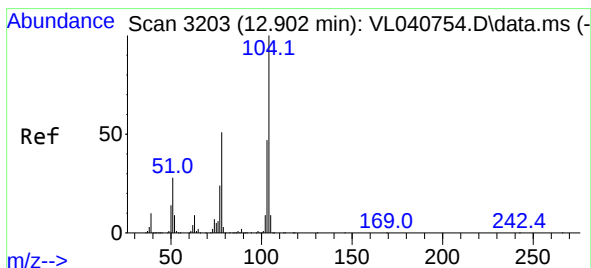
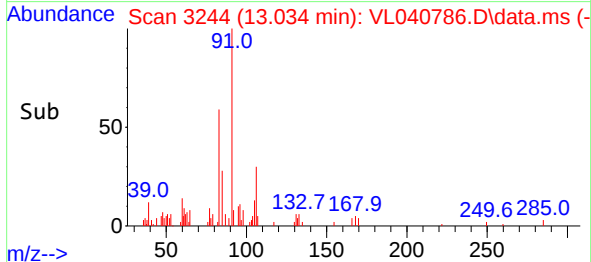
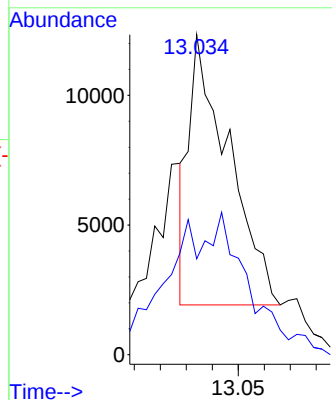
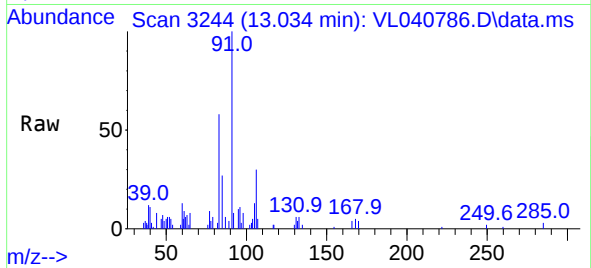




#60
o-Xylene
Concen: 0.050 ppbv
RT: 13.034 min Scan# 3193
Delta R.T. -0.032 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

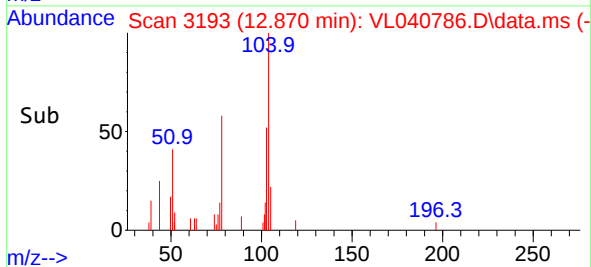
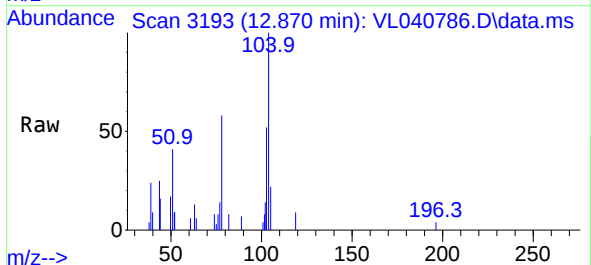
Instrument :
MSVOA_L
ClientSampleId :

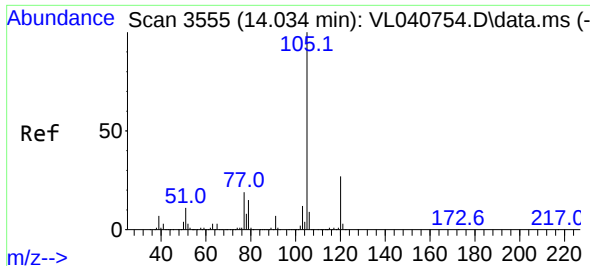
Tgt Ion: 91 Resp: 10952
Ion Ratio Lower Upper
91 100
106 105.8 23.5 70.5#



#61
Styrene
Concen: 0.033 ppbv
RT: 12.870 min Scan# 3193
Delta R.T. -0.032 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 104 Resp: 4035
Ion Ratio Lower Upper
104 100
78 139.6 39.8 59.6#
103 126.2 37.5 56.3#

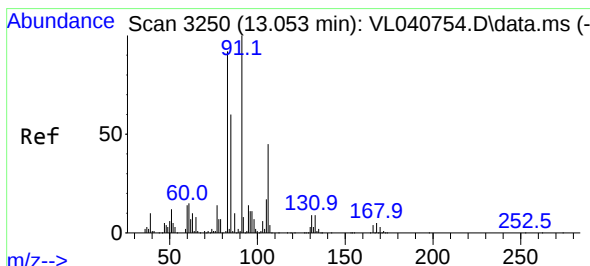
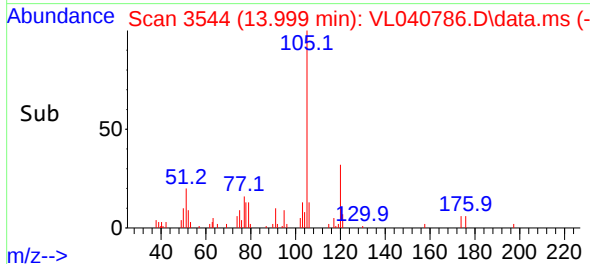
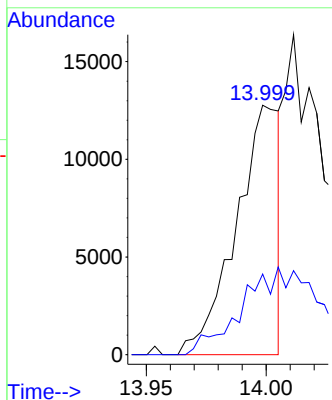
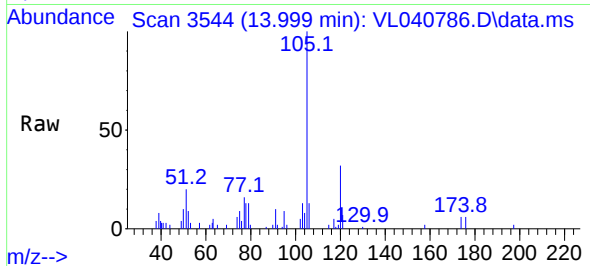




#62
Isopropylbenzene
Concen: 0.047 ppbv
RT: 13.999 min Scan# 31
Delta R.T. -0.035 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

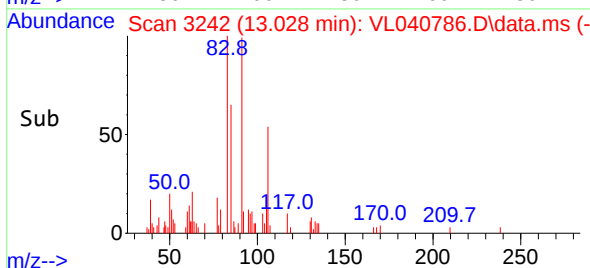
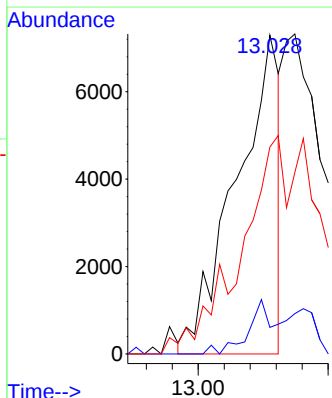
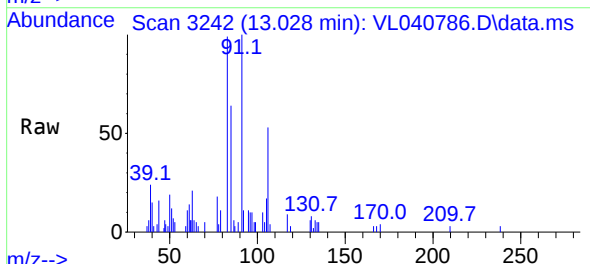
Instrument :
MSVOA_L
ClientSampleId :

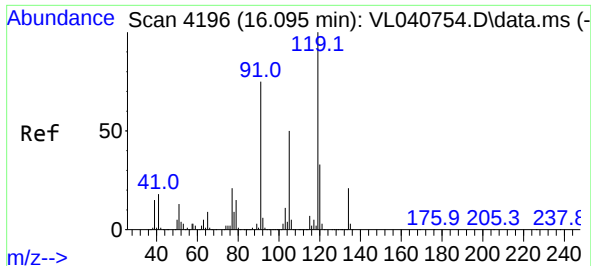
Tgt Ion:105 Resp: 15976
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.051 ppbv
RT: 13.028 min Scan# 3242
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 83 Resp: 8408
Ion Ratio Lower Upper
83 100
131 24.5 4.9 14.6#
85 142.5 32.9 98.7#

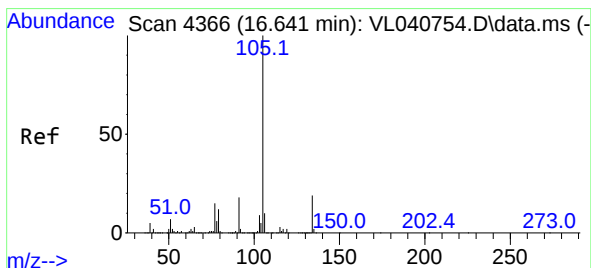
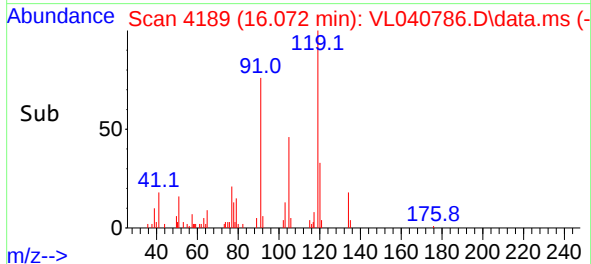
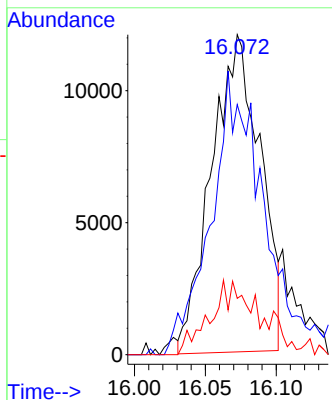
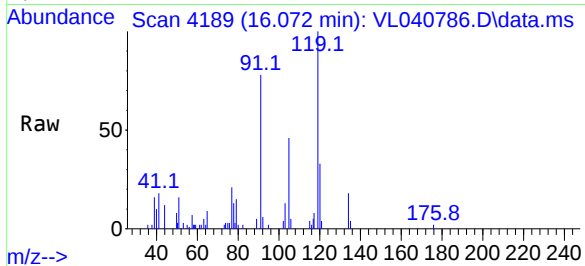




#65
tert-Butylbenzene
Concen: 0.094 ppbv
RT: 16.072 min Scan# 4196
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

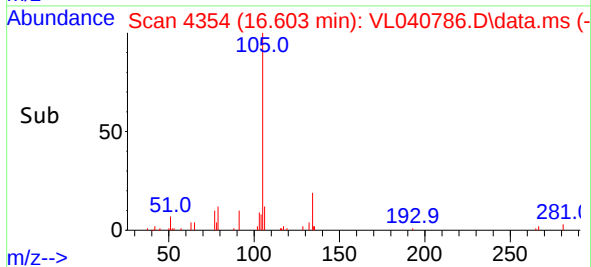
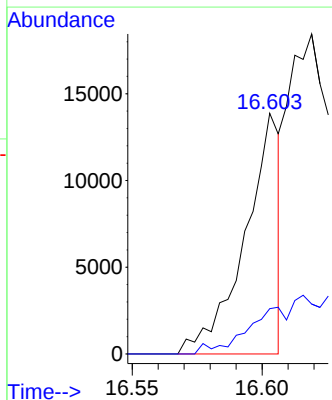
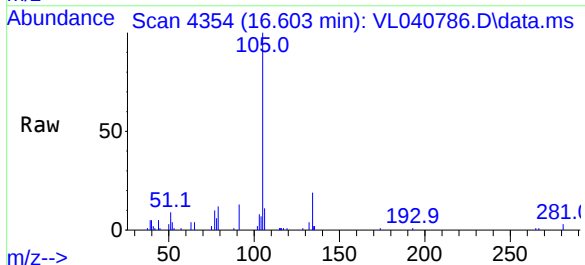
Instrument :
MSVOA_L
ClientSampleId :

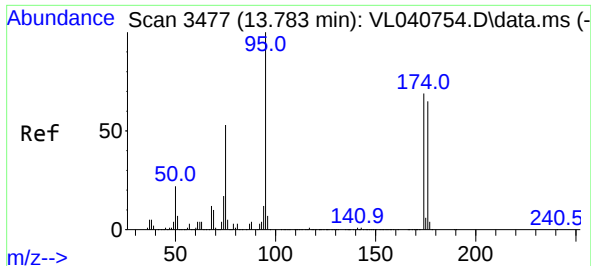
Tgt Ion:119 Resp: 28755
Ion Ratio Lower Upper
119 100
91 99.9 62.2 93.2#
134 25.0 16.1 24.1#



#67
sec-Butylbenzene
Concen: 0.031 ppbv
RT: 16.603 min Scan# 4354
Delta R.T. -0.038 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:105 Resp: 12993
Ion Ratio Lower Upper
105 100
134 0.0 15.4 23.2#

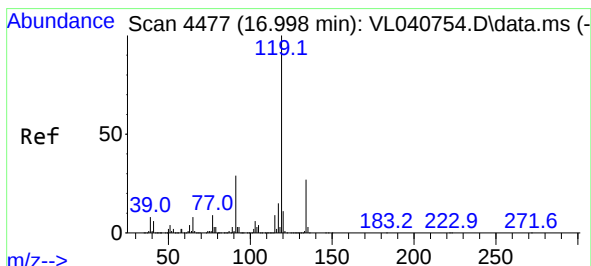
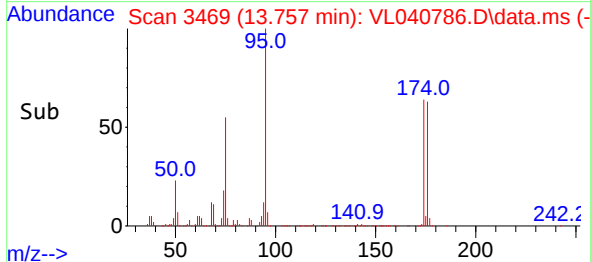
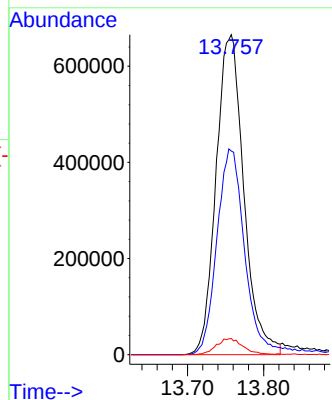
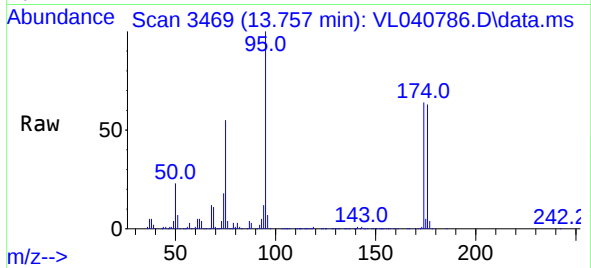




#68
1-Bromo-4-Fluorobenzene
Concen: 10.238 ppbv
RT: 13.757 min Scan# 3477
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

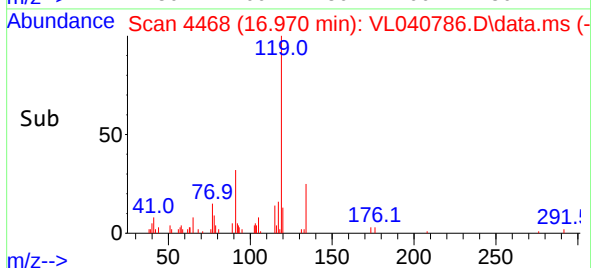
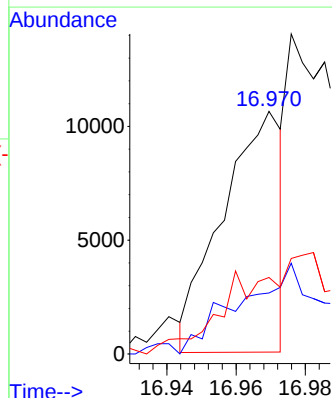
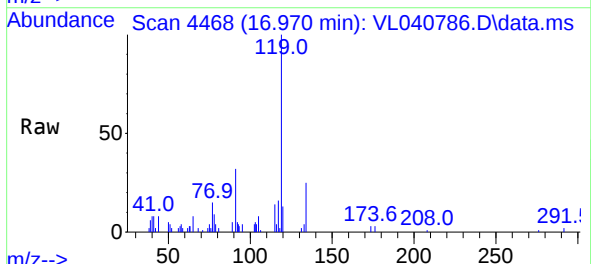
Instrument :
MSVOA_L
ClientSampleId :

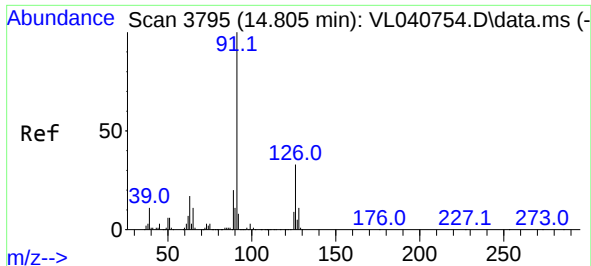
Tgt Ion: 95 Resp: 1687609
Ion Ratio Lower Upper
95 100
174 66.9 54.7 82.1
175 5.0 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.036 ppbv
RT: 16.970 min Scan# 4468
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 119 Resp: 12617
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4#
91 0.0 22.8 34.2#

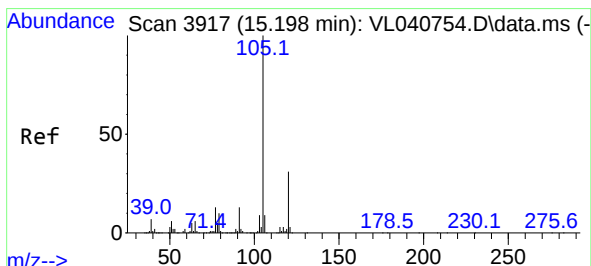
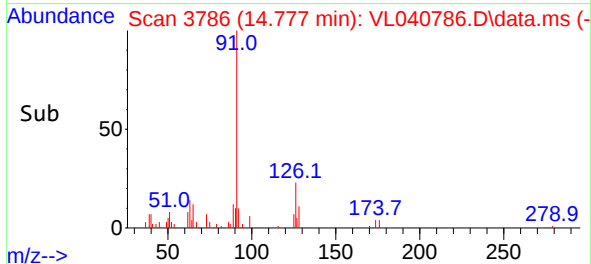
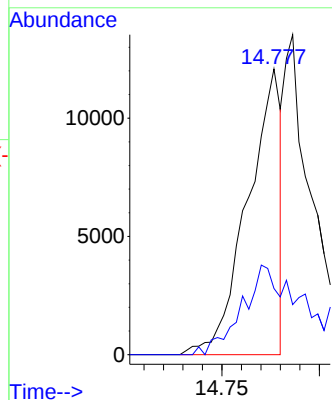
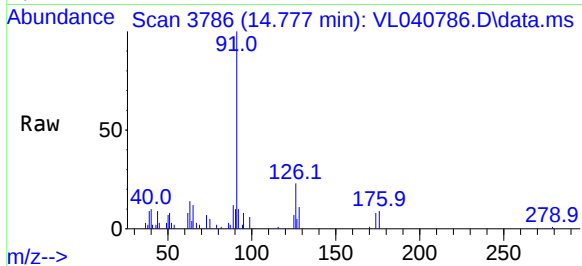




#71
2-Chlorotoluene
Concen: 0.056 ppbv
RT: 14.777 min Scan# 31
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

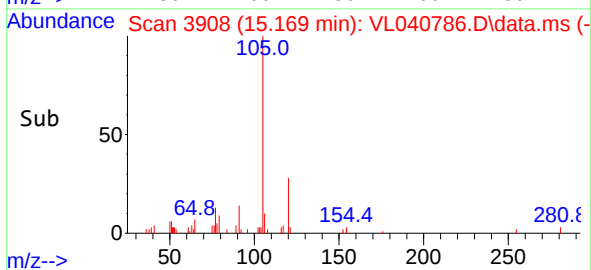
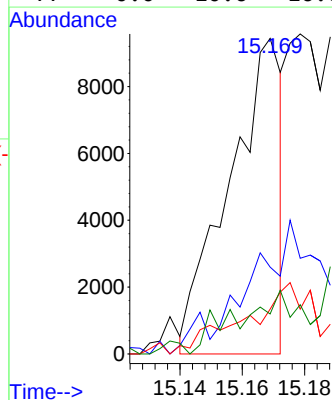
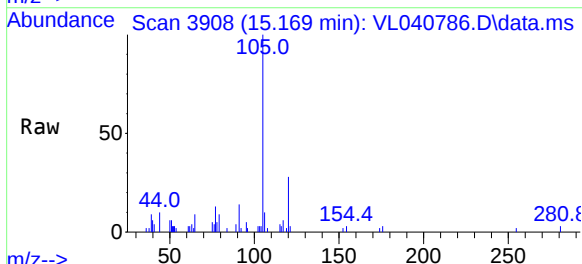
Instrument :
MSVOA_L
ClientSampleId :

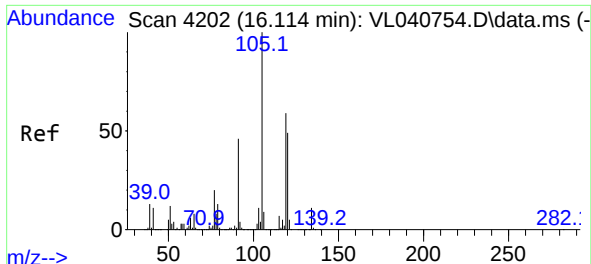
Tgt Ion: 91 Resp: 14334
Ion Ratio Lower Upper
91 100
126 61.7 13.3 53.1#



#72
4-Ethyltoluene
Concen: 0.042 ppbv
RT: 15.169 min Scan# 3908
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:105 Resp: 10999
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 0.0 9.8 14.8#
77 0.0 10.6 16.0#



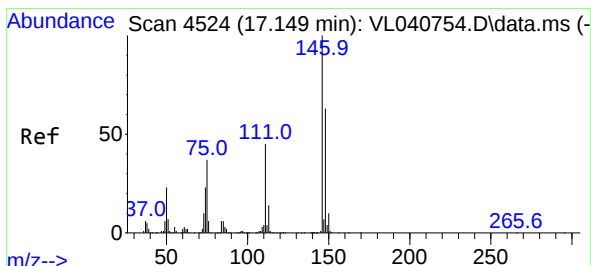
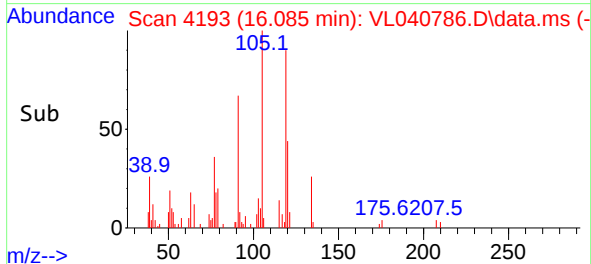
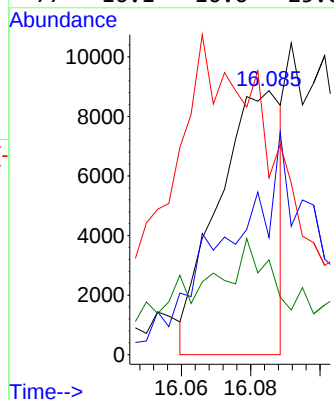
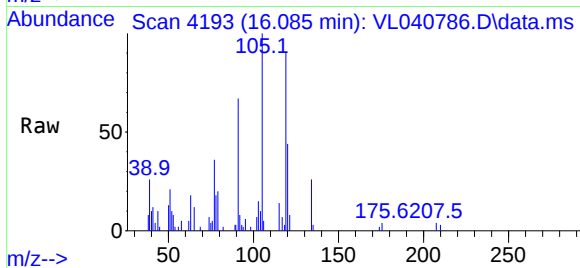


#74
1,2,4-Trimethylbenzene
Concen: 0.045 ppbv
RT: 16.085 min Scan# 4119
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 11232

Ion	Ratio	Lower	Upper
105	100		
120	24.1	39.4	59.2#
91	0.0	38.6	58.0#
77	16.1	16.6	25.0#



#77
1,2-Dichlorobenzene
Concen: 0.082 ppbv
RT: 17.124 min Scan# 4516
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:146 Resp: 12484

Ion	Ratio	Lower	Upper
146	100		
111	69.0	22.9	68.8#
148	89.9	32.3	96.8

