

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040173.D
 Acq On : 15 Feb 2023 13:00
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Feb 16 05:16:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 15 17:01:01 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	965247	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2519980	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2241471	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1847903 10.026 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.716	85	17340	0.096	ppbv	92
3) Chlorodifluoromethane	2.661	51	10656	0.092	ppbv	99
4) Chloromethane	2.806	50	6881	0.095	ppbv	94
5) Vinyl Chloride	2.909	62	3692	0.063	ppbv #	69
6) Bromomethane	3.111	94	1392	0.066	ppbv #	56
7) Chloroethane	3.189	64	1765	0.076	ppbv #	68
8) Dichlorotetrafluoroethane	2.841	85	12905	0.083	ppbv	86
9) Propene	2.684	41	6451	0.137	ppbv	98
11) Trichlorofluoromethane	3.549	101	13484	0.084	ppbv #	81
12) 1,1,2-Trichlorotrifluo...	4.060	101	7794	0.065	ppbv #	60
13) Ethanol	3.234	45	180	0.042	ppbv #	41
14) Bromoethene	3.359	108	4289	0.094	ppbv #	81
15) Acetone	3.481	43	7247	0.062	ppbv #	45
16) 1,3-Butadiene	2.973	39	3787	0.071	ppbv	90
18) 1,1-Dichloroethene	3.877	96	2240	0.043	ppbv #	62
20) Methylene Chloride	3.922	84	13095	0.216	ppbv	88
21) Allyl Chloride	3.986	41	5011	0.070	ppbv #	64
22) trans-1,2-Dichloroethene	4.439	96	3904	0.073	ppbv #	78
23) Vinyl Acetate	4.613	43	968	0.027	ppbv #	1
24) 1,1-Dichloroethane	4.558	63	2961	0.027	ppbv #	95
25) Ethyl Acetate	5.214	43	13643	0.063	ppbv #	78
26) Hexane	5.211	57	8110	0.087	ppbv #	90
27) Carbon Disulfide	4.115	76	3633	0.031	ppbv #	63
29) Chloroform	5.266	83	13664	0.086	ppbv #	76
31) cis-1,2-Dichloroethene	5.076	61	6467	0.073	ppbv #	75
32) 1,1,1-Trichloroethane	6.002	97	4221	0.028	ppbv #	1
35) Carbon Tetrachloride	6.487	117	7137	0.048	ppbv	96
37) 1,2-Dichloroethane	5.799	62	5182	0.042	ppbv #	92
38) Trichloroethene	7.298	130	5925	0.055	ppbv #	72
39) 1,2-Dichloropropane	6.648	63	638853	8.374	ppbv #	26
40) 1,4-Dioxane	7.330	88	707	0.023	ppbv #	1
41) Tetrahydrofuran	5.594	42	3564	0.049	ppbv #	50
42) Bromodichloromethane	7.250	83	7781	0.046	ppbv #	94
43) Methyl Methacrylate	7.471	69	1682	0.023	ppbv #	1
44) 2,2,4-Trimethylpentane	7.323	57	20220	0.062	ppbv #	86
46) cis-1,3-Dichloropropene	8.147	75	3241	0.036	ppbv	95
47) 1,1,2-Trichloroethane	8.909	97	2511	0.030	ppbv	91
48) Dibromochloromethane	9.712	129	4687	0.036	ppbv #	10
53) Toluene	9.224	91	4220	0.020	ppbv #	1
56) 1,1,1,2-Tetrachloroethane	11.513	131	3963	0.042	ppbv #	22
57) Chlorobenzene	11.526	112	8220	0.050	ppbv #	38
60) o-Xylene	13.063	91	8631	0.037	ppbv	76
62) Isopropylbenzene	14.037	105	15066	0.045	ppbv #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040173.D
 Acq On : 15 Feb 2023 13:00
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Feb 16 05:16:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

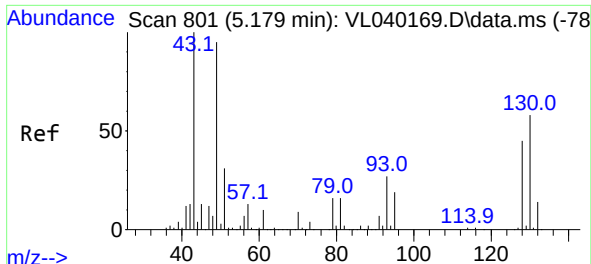
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) sec-Butylbenzene	16.648	105	10185	0.025	ppbv #	60
71) 2-Chlorotoluene	14.812	91	7829	0.031	ppbv #	39
72) 4-Ethyltoluene	15.201	105	8218	0.032	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.358	105	4983	0.021	ppbv #	70
75) 1,3-Dichlorobenzene	16.349	146	4871	0.034	ppbv #	11
76) 1,4-Dichlorobenzene	16.487	146	5465	0.039	ppbv #	24
78) Hexachloro-1,3-Butadiene	22.648	225	2827	0.029	ppbv #	1

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

Quant Time: Feb 16 05:16:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 15 17:01:01 2023
Response via : Initial Calibration

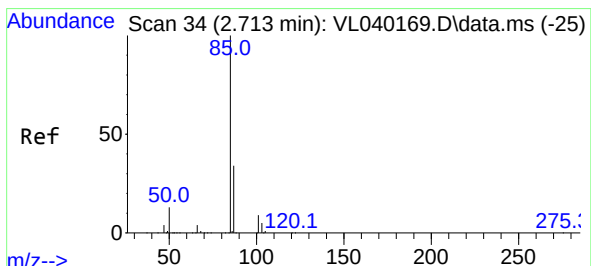
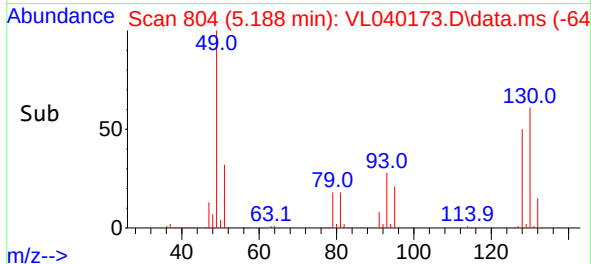
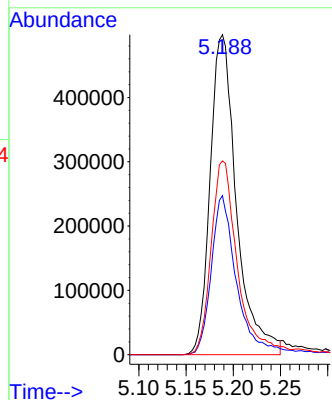
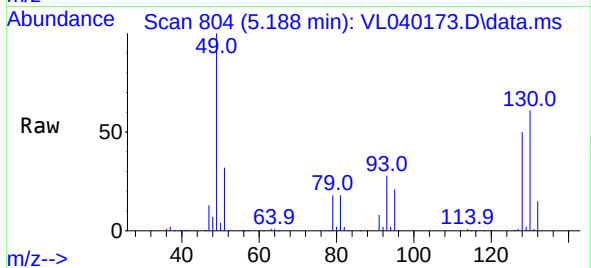




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

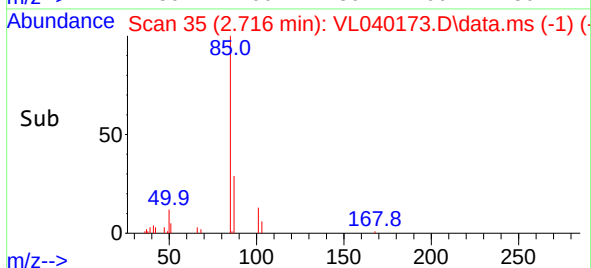
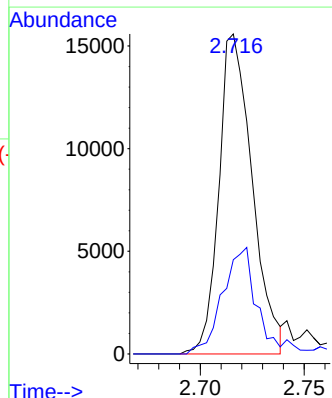
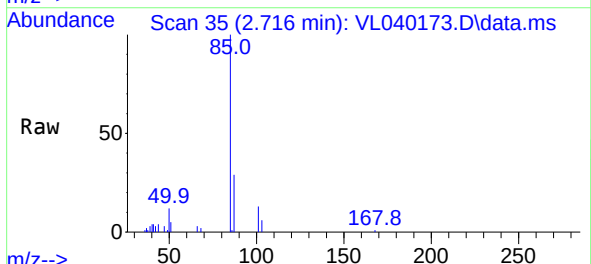
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

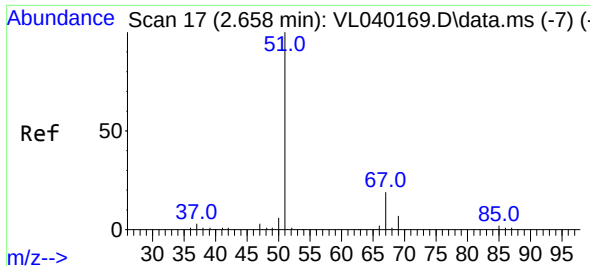
Tgt Ion: 49 Resp: 965247
Ion Ratio Lower Upper
49 100
128 50.0 24.1 72.3
130 63.6 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.096 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 85 Resp: 17340
Ion Ratio Lower Upper
85 100
87 29.5 27.0 40.6

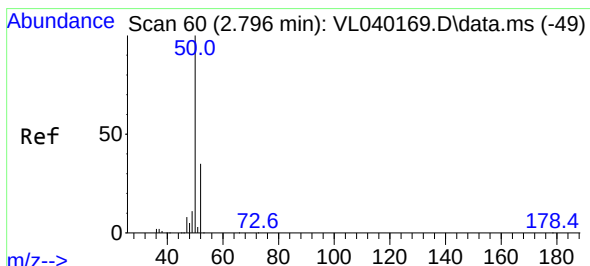
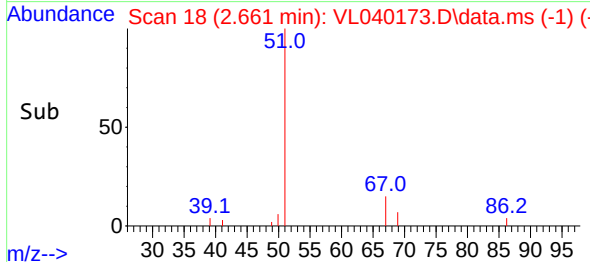
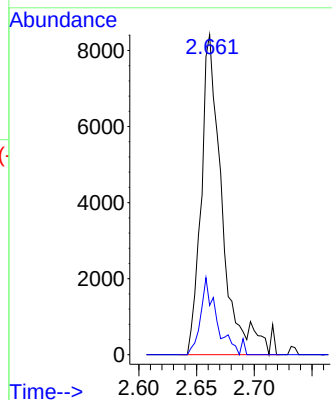
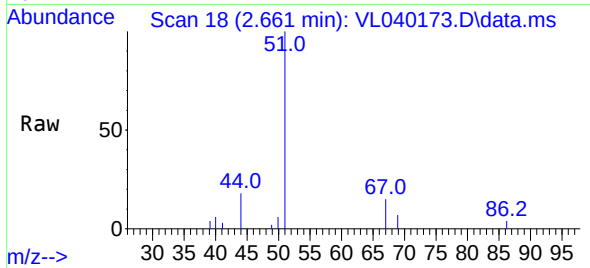




#3
Chlorodifluoromethane
Concen: 0.092 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

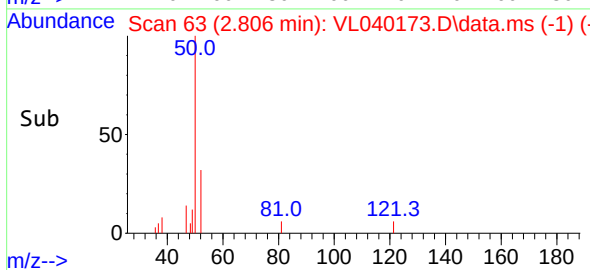
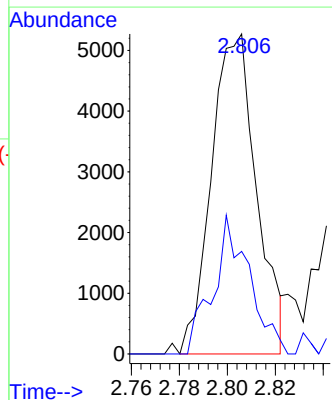
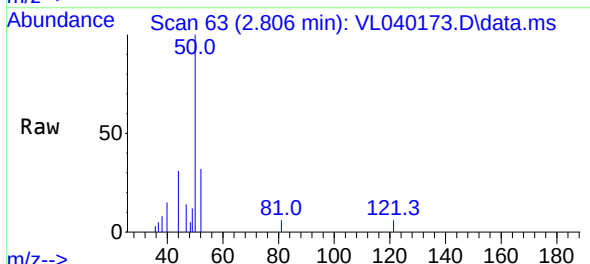
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

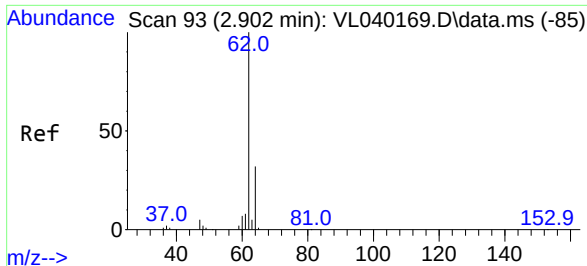
Tgt Ion: 51 Resp: 10656
Ion Ratio Lower Upper
51 100
67 18.9 15.4 23.2



#4
Chloromethane
Concen: 0.095 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 50 Resp: 6881
Ion Ratio Lower Upper
50 100
52 32.1 28.3 42.5

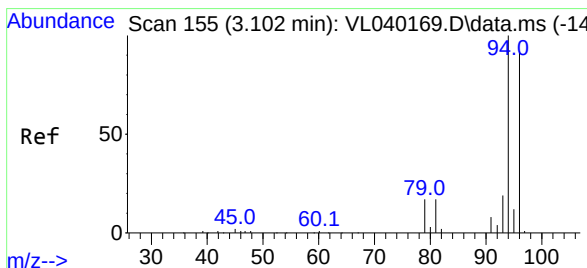
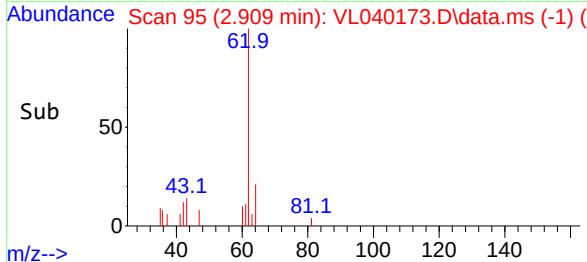
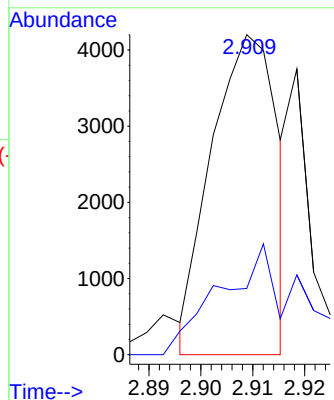
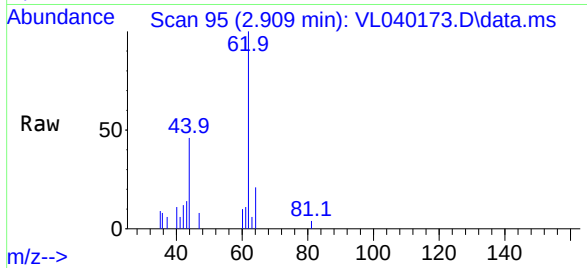




#5
 Vinyl Chloride
 Concen: 0.063 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VL040173.D
 Acq: 15 Feb 2023 13:00

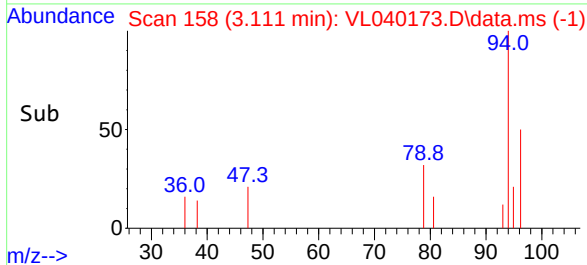
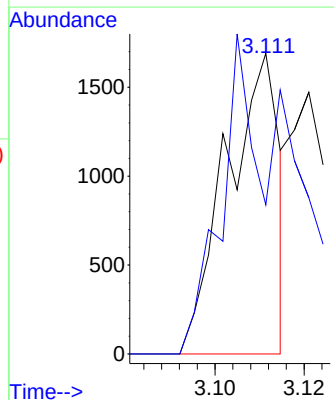
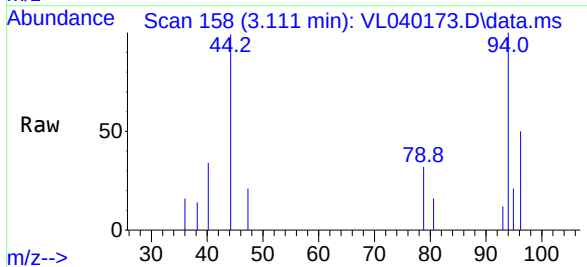
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

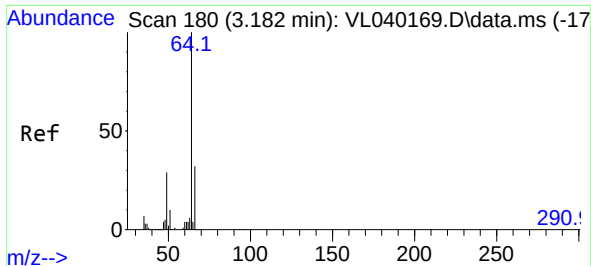
Tgt Ion: 62 Resp: 3692
 Ion Ratio Lower Upper
 62 100
 64 14.8 25.6 38.4#



#6
 Bromomethane
 Concen: 0.066 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.010 min
 Lab File: VL040173.D
 Acq: 15 Feb 2023 13:00

Tgt Ion: 94 Resp: 1392
 Ion Ratio Lower Upper
 94 100
 96 49.6 73.4 110.2#

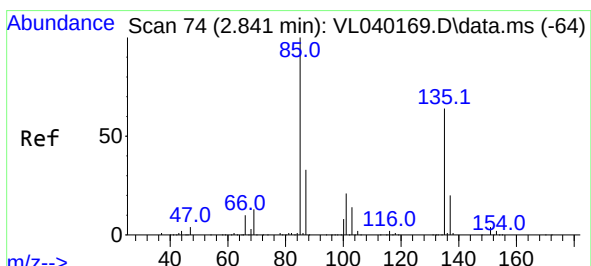
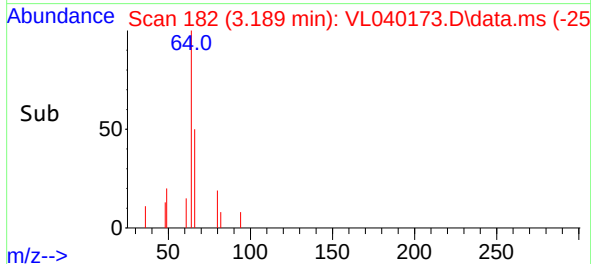
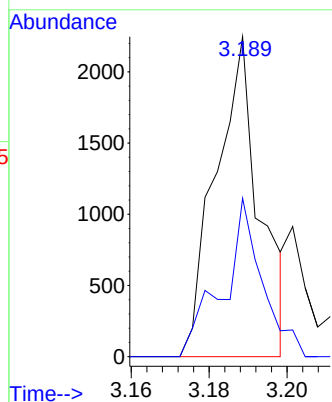
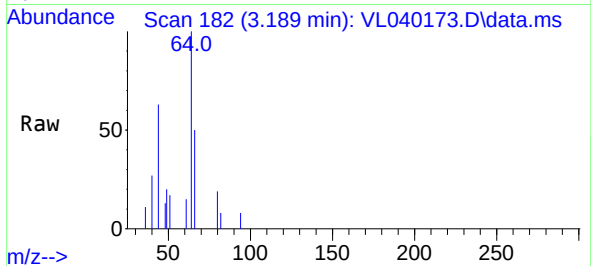




#7
Chloroethane
Concen: 0.076 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

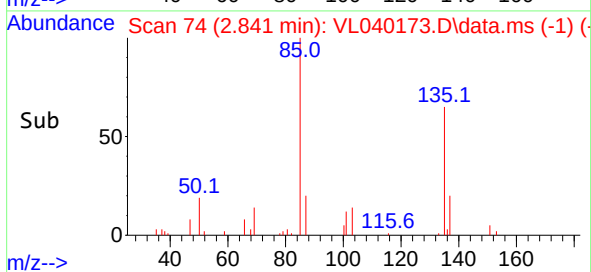
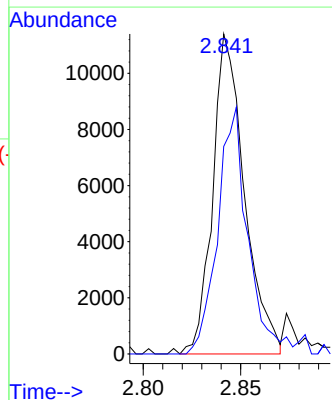
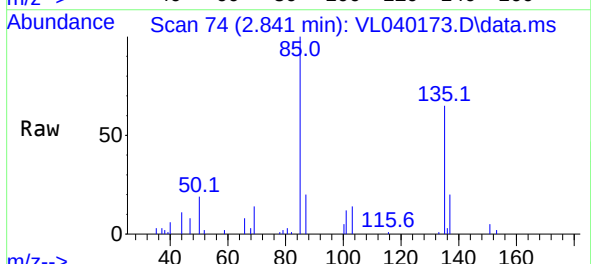
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 64 Resp: 1765
Ion Ratio Lower Upper
64 100
66 49.5 25.4 38.2#

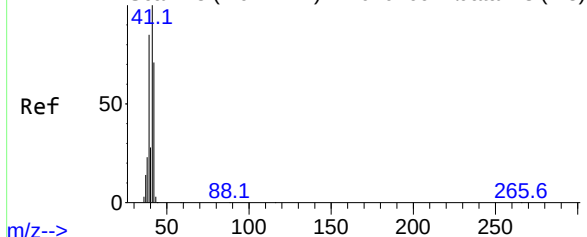


#8
Dichlorotetrafluoroethane
Concen: 0.083 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.000 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 85 Resp: 12905
Ion Ratio Lower Upper
85 100
135 75.3 51.5 77.3



Abundance Scan 23 (2.677 min): VL040169.D\data.ms (-13)



#9

Propene

Concen: 0.137 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

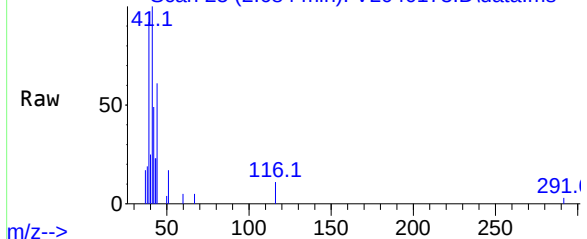
Tgt Ion: 41 Resp: 6451

Ion Ratio Lower Upper

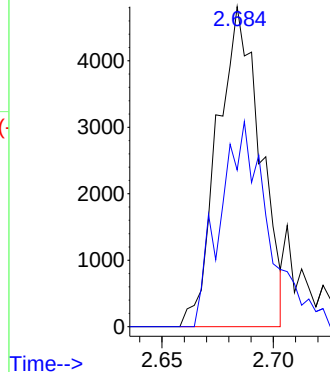
41 100

42 72.5 56.9 85.3

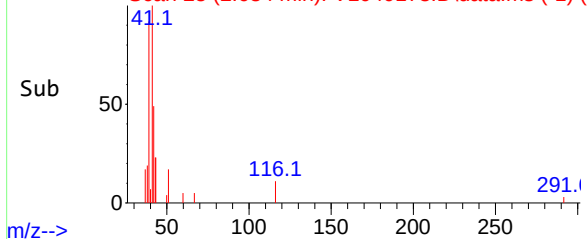
Abundance Scan 25 (2.684 min): VL040173.D\data.ms



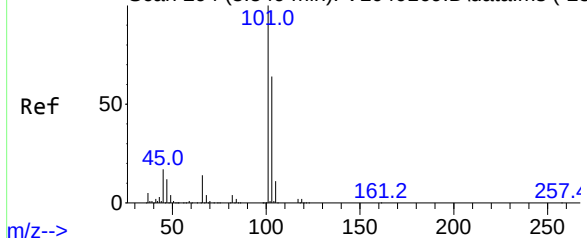
Abundance



Abundance Scan 25 (2.684 min): VL040173.D\data.ms (-1) (-13)



Abundance Scan 294 (3.549 min): VL040169.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.084 ppbv

RT: 3.549 min Scan# 294

Delta R.T. -0.000 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

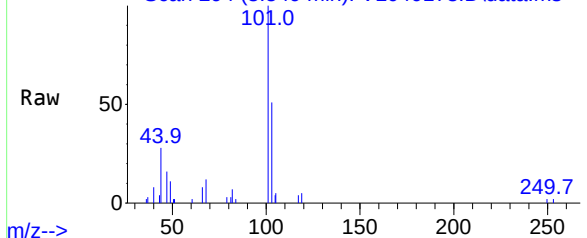
Tgt Ion: 101 Resp: 13484

Ion Ratio Lower Upper

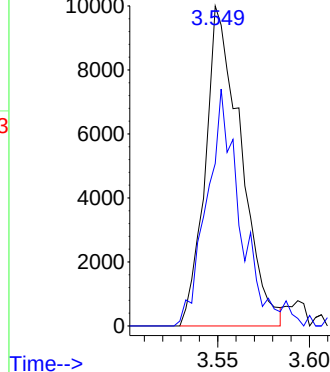
101 100

103 49.2 51.0 76.6#

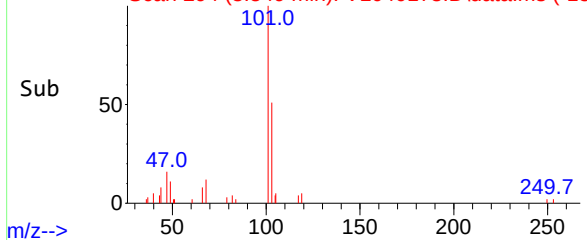
Abundance Scan 294 (3.549 min): VL040173.D\data.ms

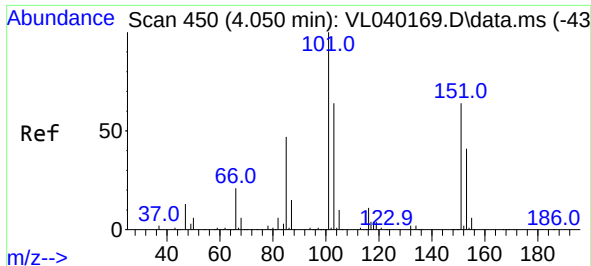


Abundance



Abundance Scan 294 (3.549 min): VL040173.D\data.ms (-13)

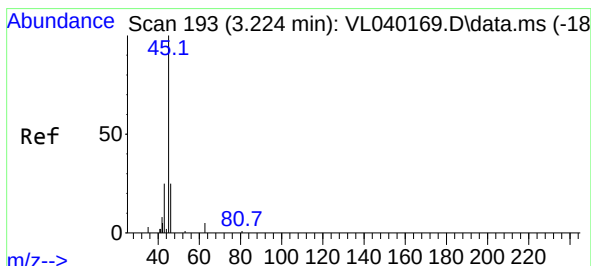
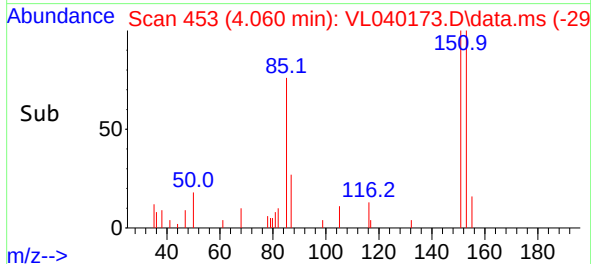
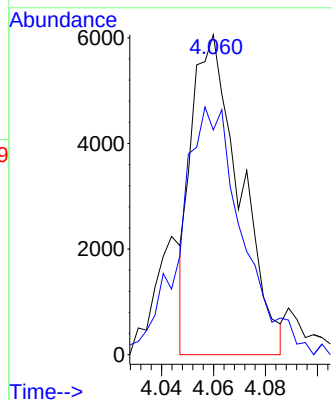
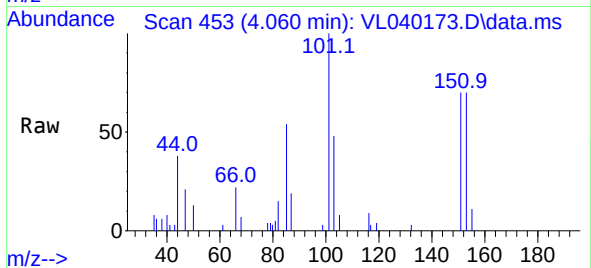




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.065 ppbv
RT: 4.060 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

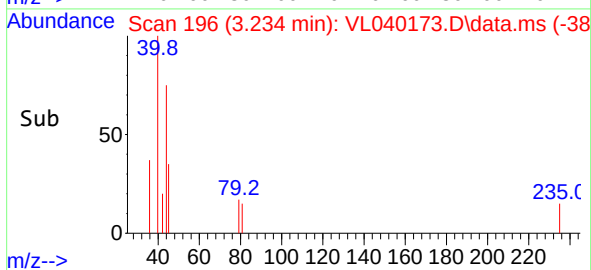
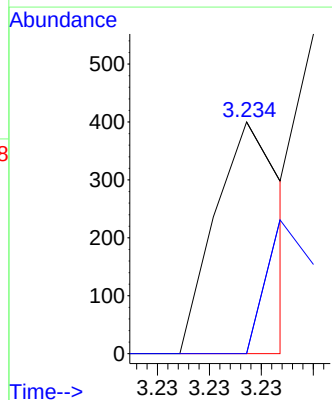
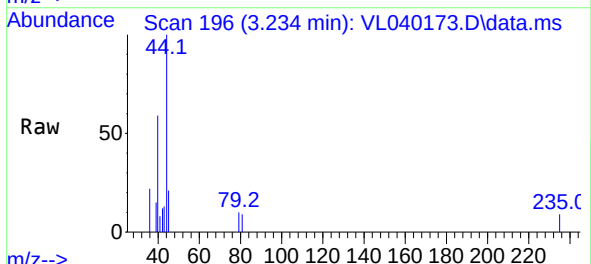
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

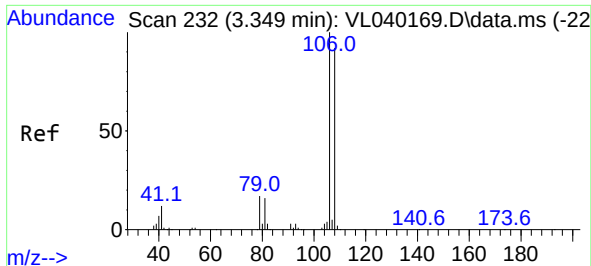
Tgt Ion:101 Resp: 7794
Ion Ratio Lower Upper
101 100
151 101.0 54.7 82.1#



#13
Ethanol
Concen: 0.042 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 45 Resp: 180
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1#

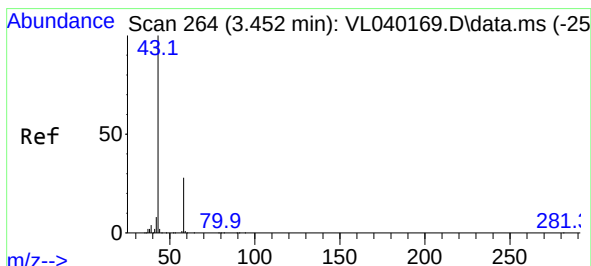
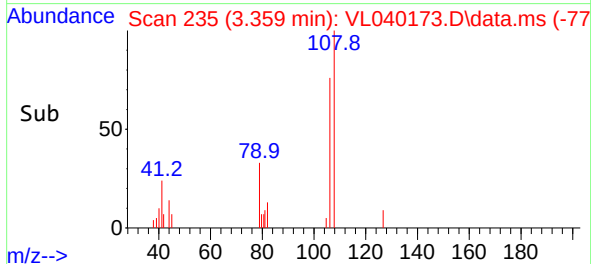
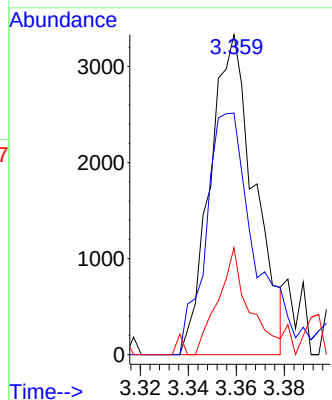
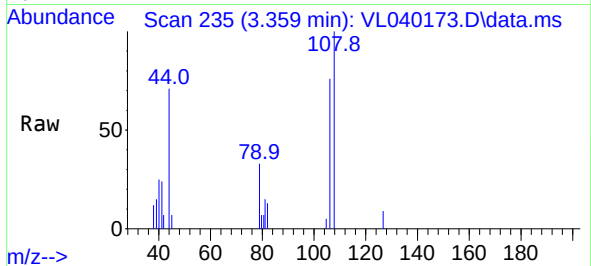




#14
Bromoethene
Concen: 0.094 ppbv
RT: 3.359 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

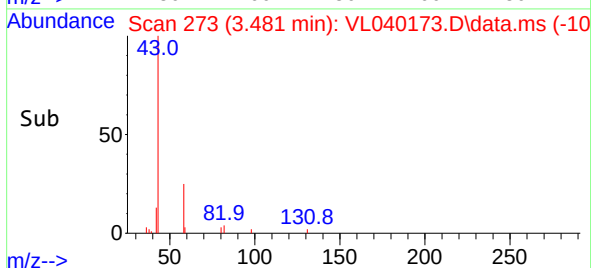
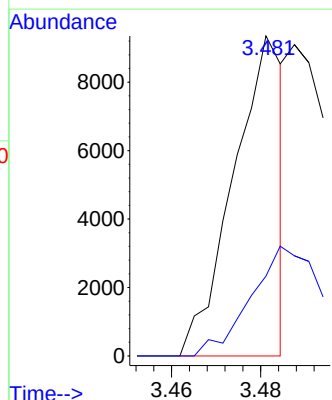
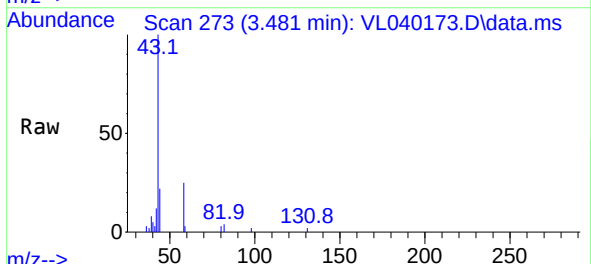
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

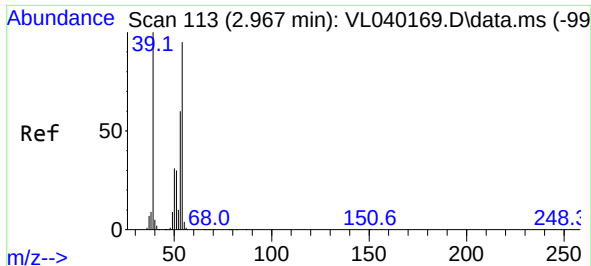
Tgt Ion:108 Resp: 4289
Ion Ratio Lower Upper
108 100
106 88.6 87.1 130.7
79 25.8 15.4 23.2#



#15
Acetone
Concen: 0.062 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.029 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 43 Resp: 7247
Ion Ratio Lower Upper
43 100
58 56.9 22.4 33.6#

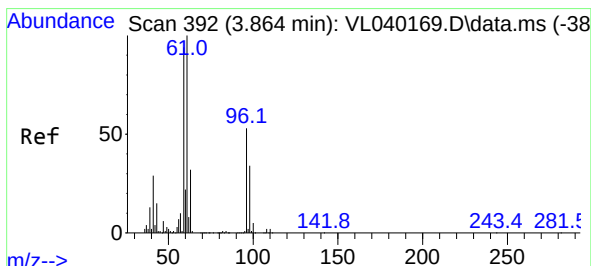
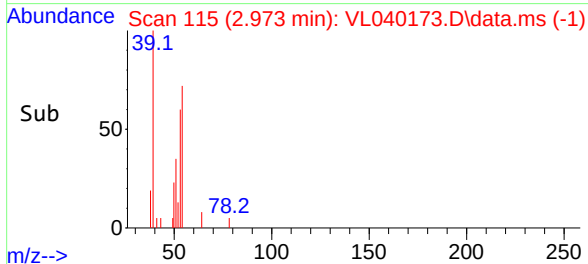
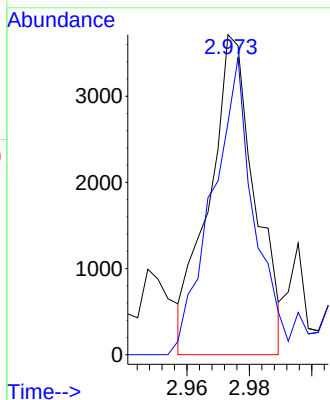
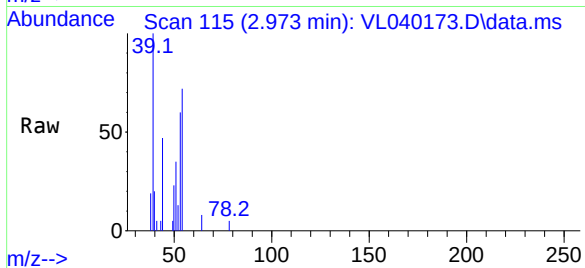




#16
1,3-Butadiene
Concen: 0.071 ppbv
RT: 2.973 min Scan# 113
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

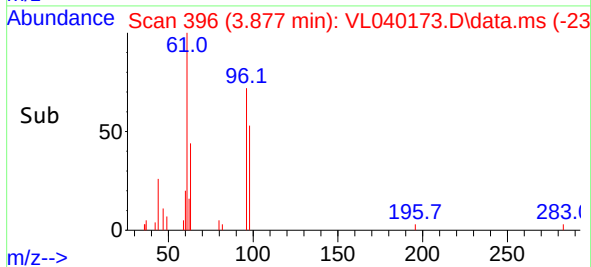
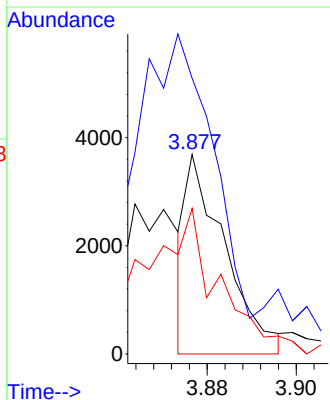
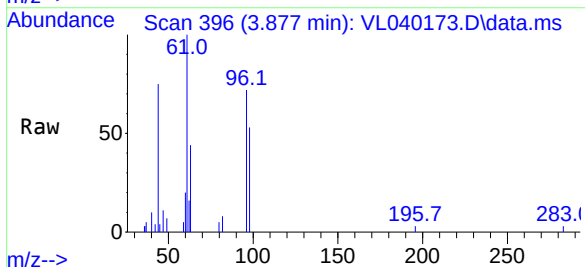
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

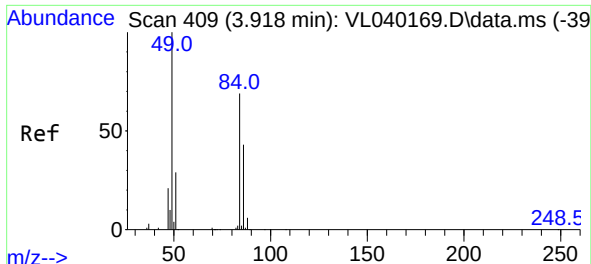
Tgt Ion: 39 Resp: 3787
Ion Ratio Lower Upper
39 100
54 92.8 66.7 100.1



#18
1,1-Dichloroethene
Concen: 0.043 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.013 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 96 Resp: 2240
Ion Ratio Lower Upper
96 100
61 117.8 149.6 224.4#
98 71.3 51.1 76.7



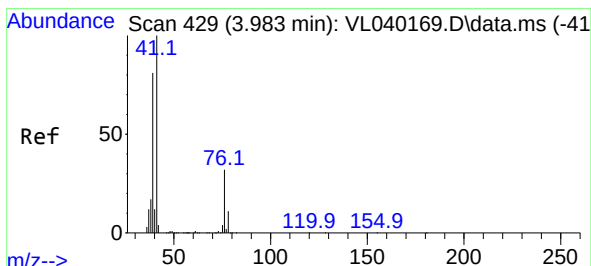
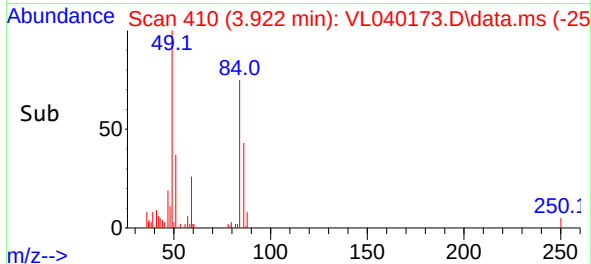
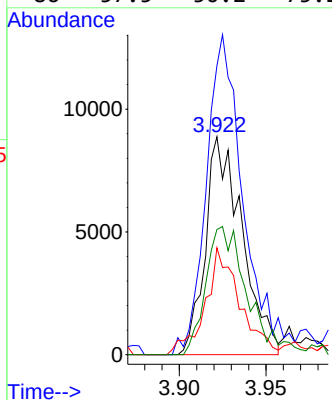
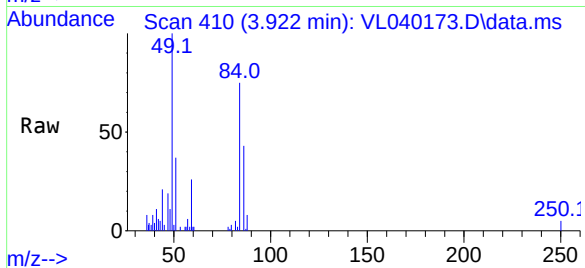


#20
Methylene Chloride
Concen: 0.216 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

Tgt Ion: 84 Resp: 13095

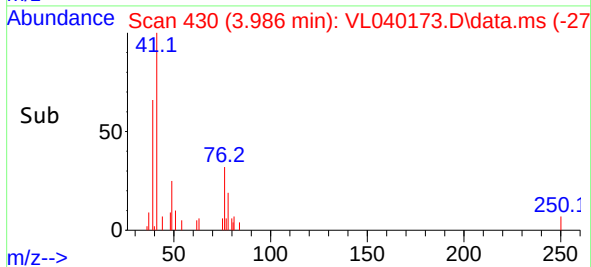
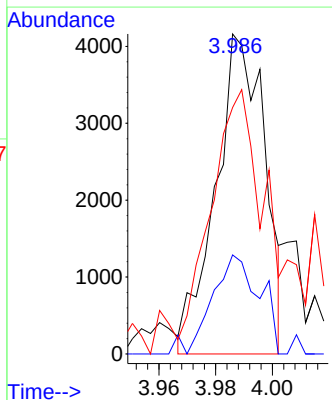
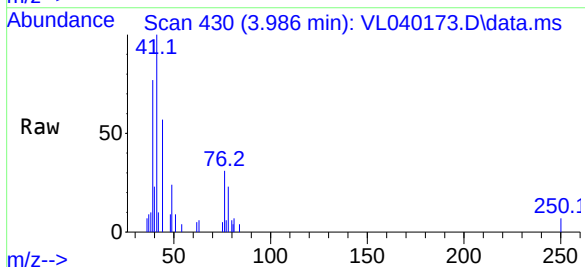
Ion	Ratio	Lower	Upper
84	100		
49	124.8	115.5	173.3
51	47.1	33.1	49.7
86	57.5	50.2	75.2

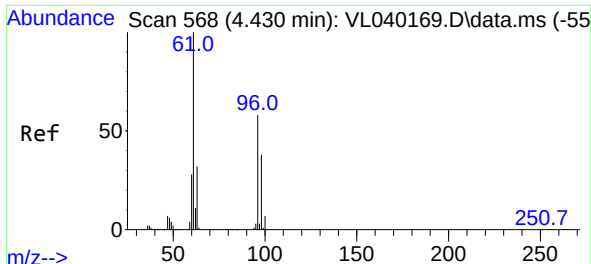


#21
Allyl Chloride
Concen: 0.070 ppbv
RT: 3.986 min Scan# 430
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 41 Resp: 5011

Ion	Ratio	Lower	Upper
41	100		
76	33.1	25.5	38.3
39	123.9	64.5	96.7

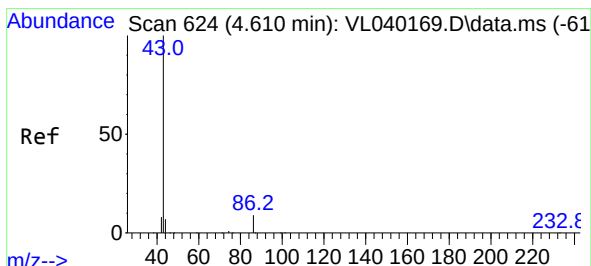
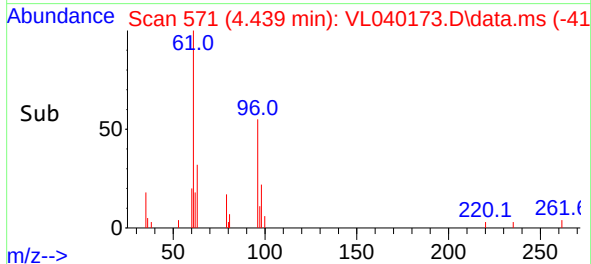
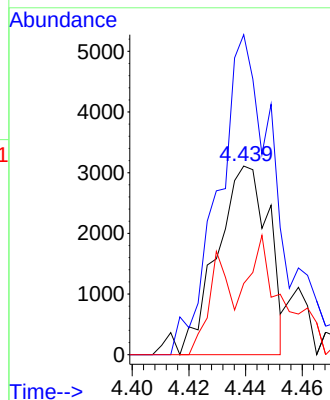
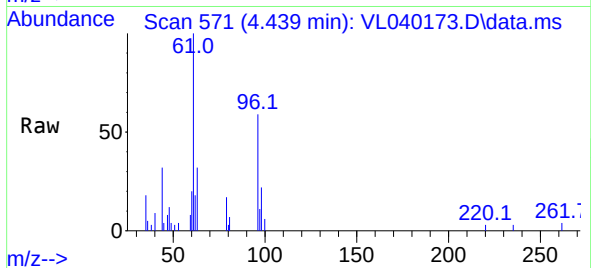




#22
trans-1,2-Dichloroethene
Concen: 0.073 ppbv
RT: 4.439 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

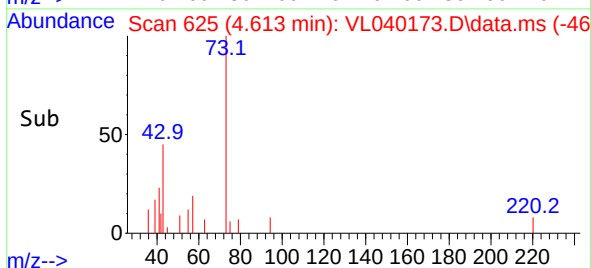
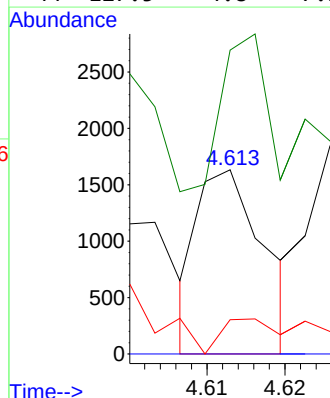
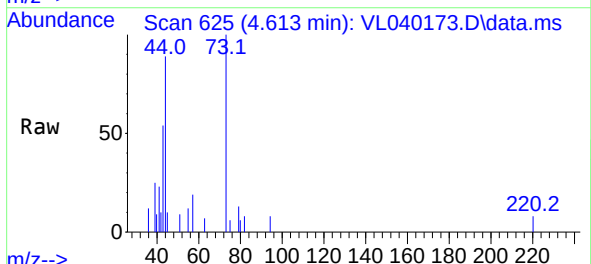
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

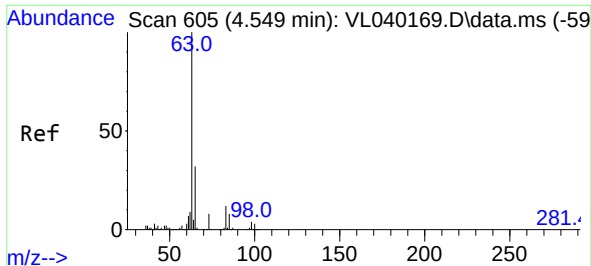
Tgt Ion: 96 Resp: 3904
Ion Ratio Lower Upper
96 100
61 149.5 137.5 206.3
98 37.7 52.8 79.2#



#23
Vinyl Acetate
Concen: 0.027 ppbv
RT: 4.613 min Scan# 625
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
86 0.0 5.6 8.4#
42 13.5 7.6 11.4#
44 127.5 4.8 7.2#



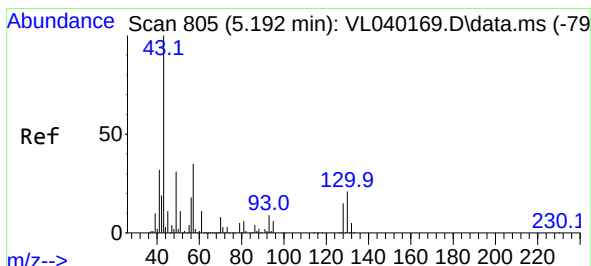
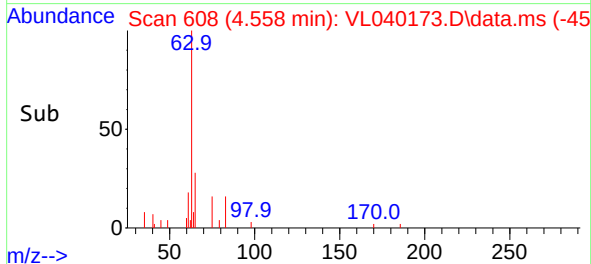
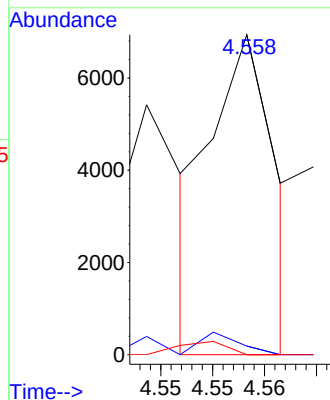
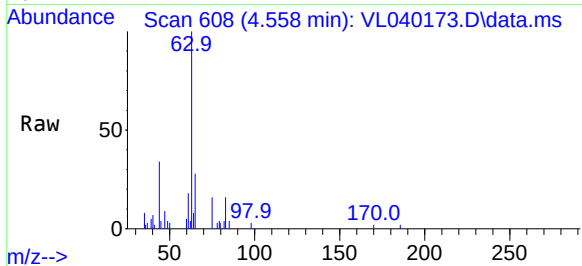


#24
1,1-Dichloroethane
Concen: 0.027 ppbv
RT: 4.558 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion: 63 Resp: 2961

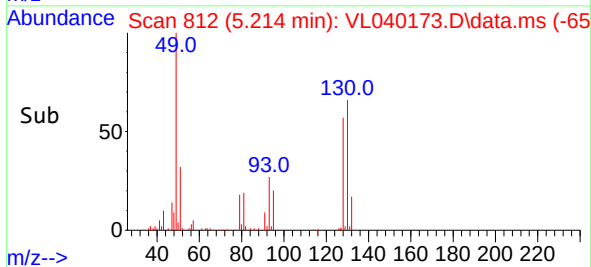
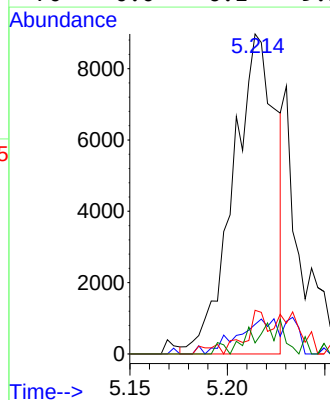
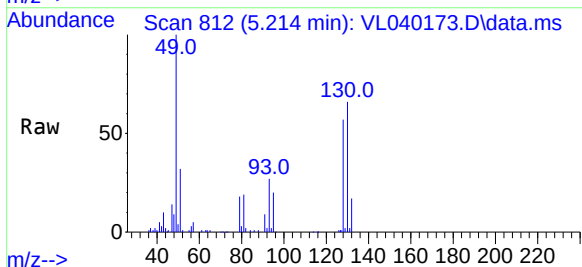
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.3	6.8
100	0.0	1.4	4.0#

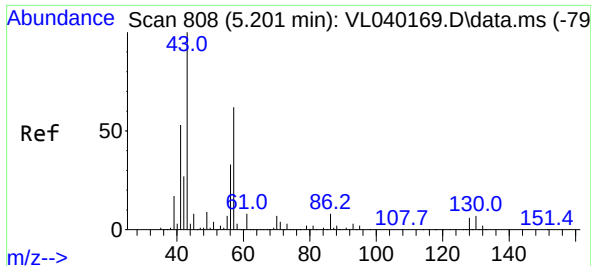


#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.022 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 43 Resp: 13643

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	16.4	8.4	12.6#
70	0.0	6.1	9.1#

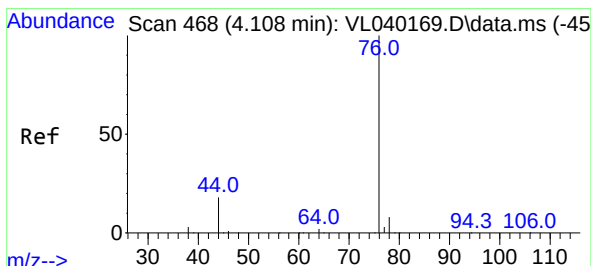
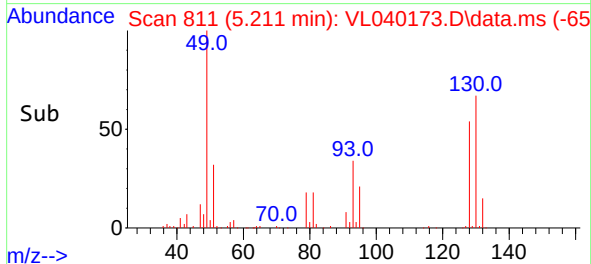
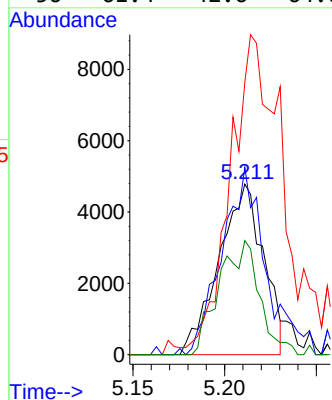
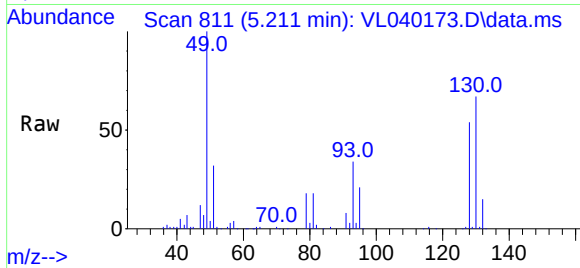




#26
Hexane
Concen: 0.087 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

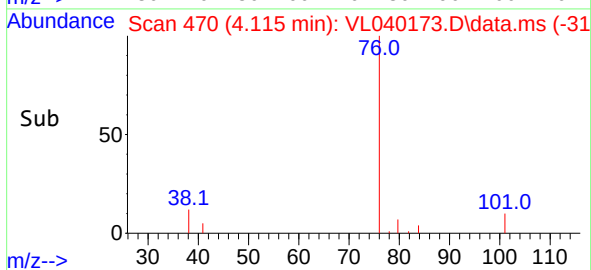
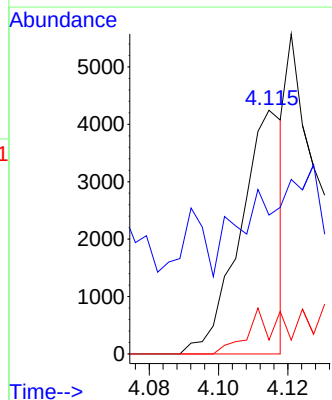
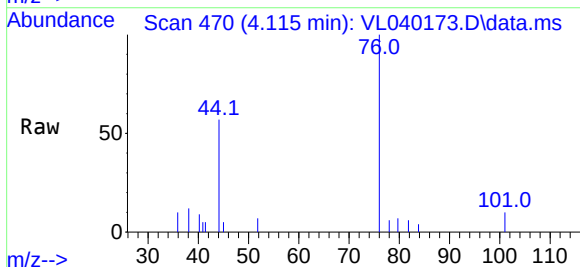
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

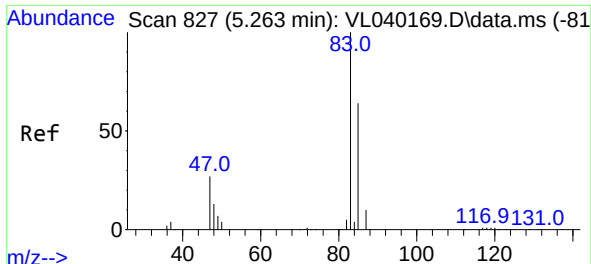
Tgt Ion: 57 Resp: 8110
Ion Ratio Lower Upper
57 100
41 112.8 74.3 111.5#
43 251.4 193.0 289.4
56 61.4 42.6 64.0



#27
Carbon Disulfide
Concen: 0.031 ppbv
RT: 4.115 min Scan# 470
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 76 Resp: 3633
Ion Ratio Lower Upper
76 100
44 0.0 15.3 22.9#
78 0.0 7.7 11.5#

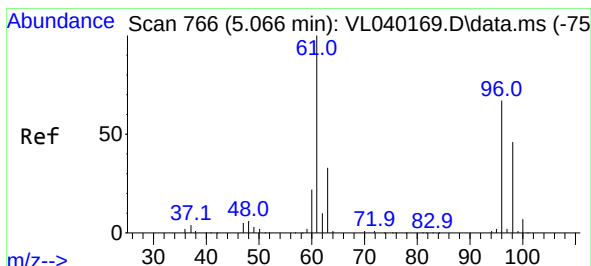
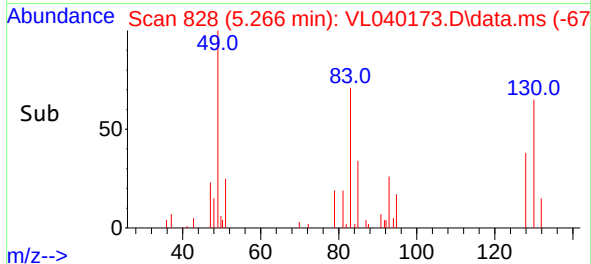
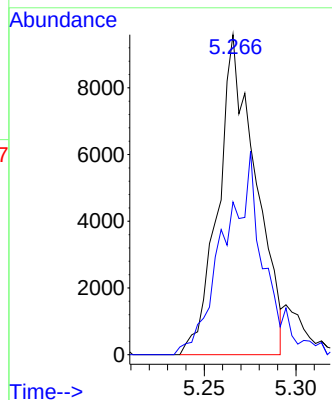
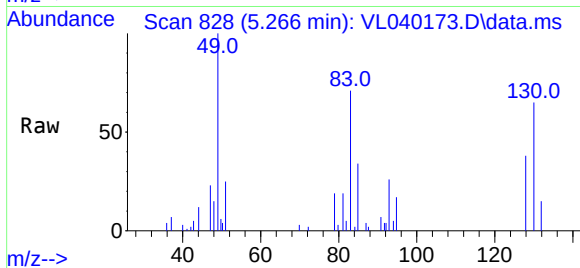




#29
Chloroform
Concen: 0.086 ppbv
RT: 5.266 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

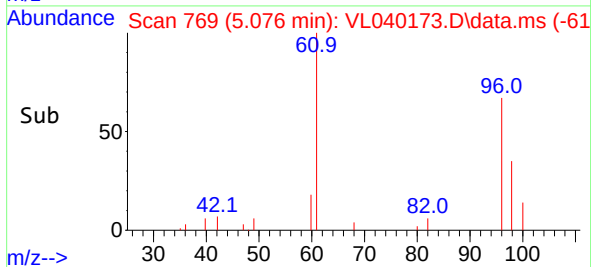
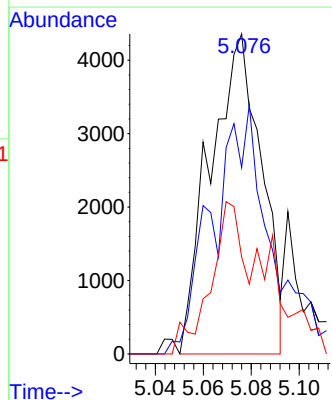
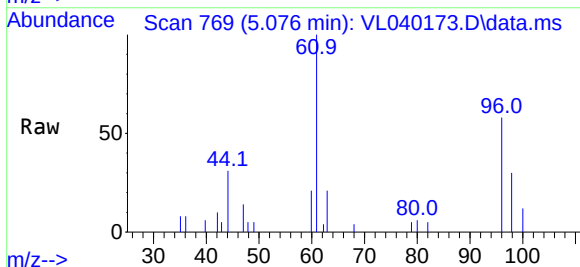
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

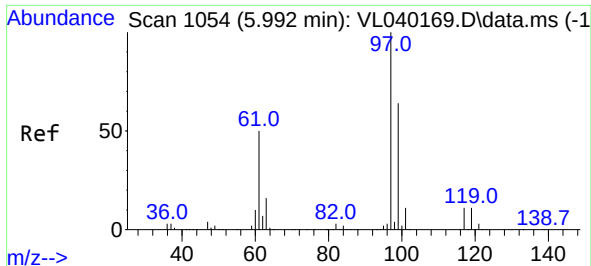
Tgt Ion: 83 Resp: 13664
Ion Ratio Lower Upper
83 100
85 45.3 51.5 77.3#



#31
cis-1,2-Dichloroethene
Concen: 0.073 ppbv
RT: 5.076 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 61 Resp: 6467
Ion Ratio Lower Upper
61 100
96 54.5 53.7 80.5
98 20.4 36.4 54.6#

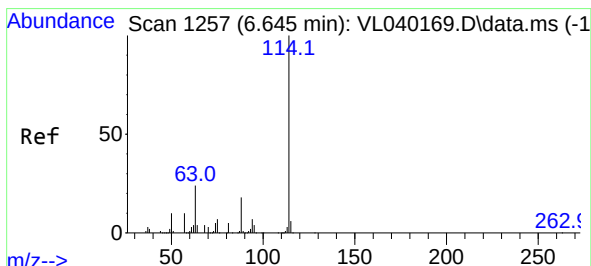
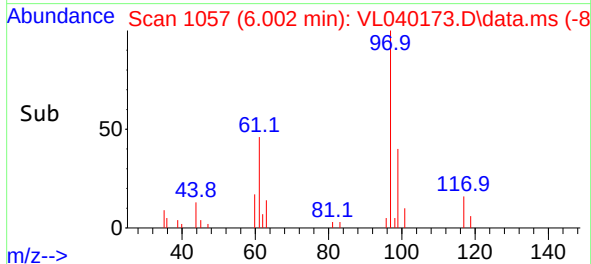
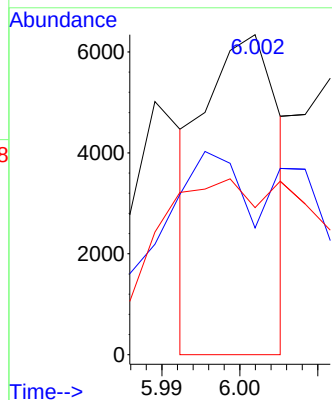
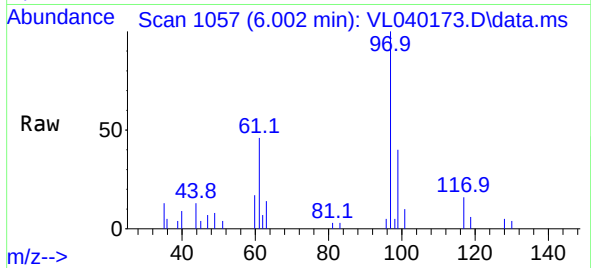




#32
1,1,1-Trichloroethane
Concen: 0.028 ppbv
RT: 6.002 min Scan# 1057
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

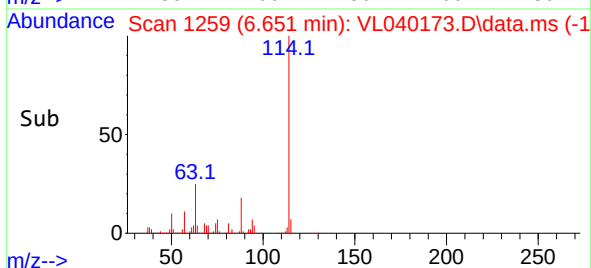
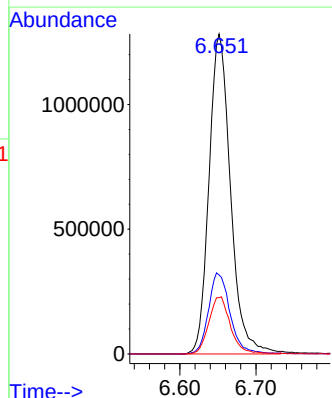
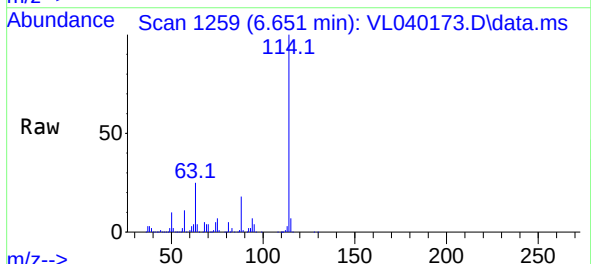
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

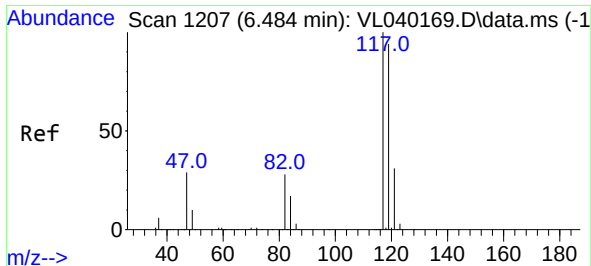
Tgt Ion: 97 Resp: 4221
Ion Ratio Lower Upper
97 100
99 172.6 51.5 77.3#
61 164.5 40.6 60.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 114 Resp: 2519980
Ion Ratio Lower Upper
114 100
63 25.5 20.4 30.6
88 18.1 14.3 21.5

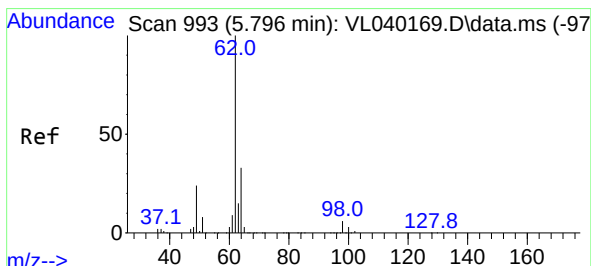
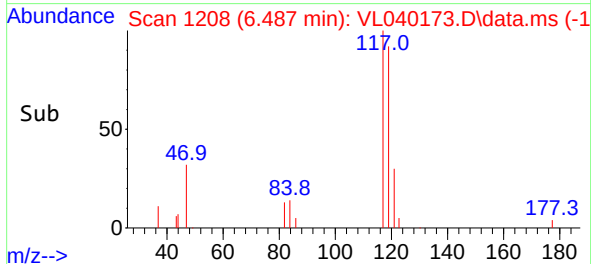
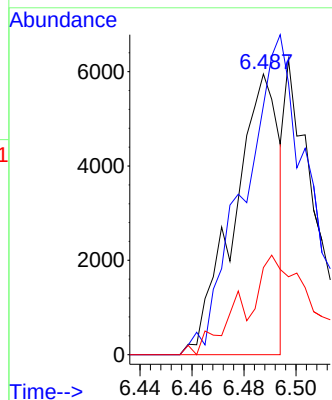
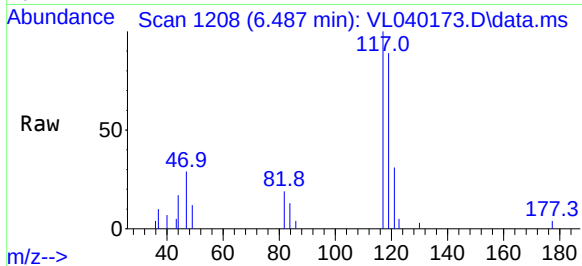




#35
Carbon Tetrachloride
Concen: 0.048 ppbv
RT: 6.487 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

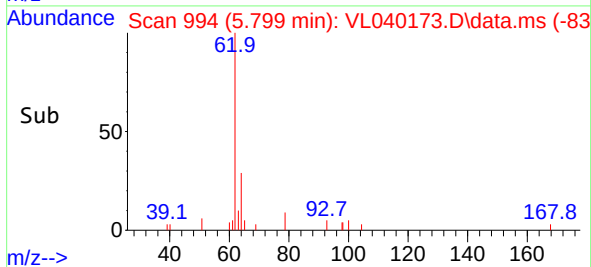
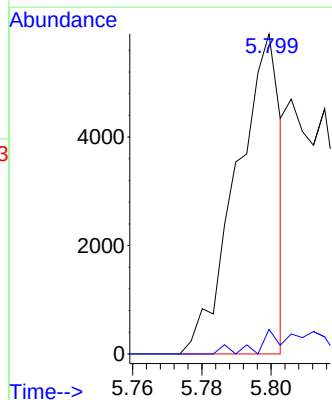
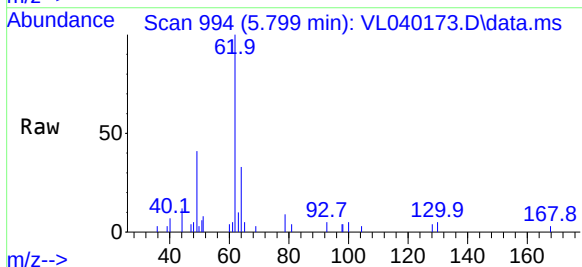
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

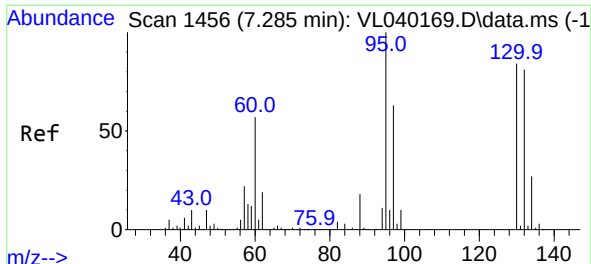
Tgt Ion:117 Resp: 7137
Ion Ratio Lower Upper
117 100
119 88.8 75.0 112.6
121 31.0 25.0 37.4



#37
1,2-Dichloroethane
Concen: 0.042 ppbv
RT: 5.799 min Scan# 994
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 62 Resp: 5182
Ion Ratio Lower Upper
62 100
98 8.8 4.7 7.1#





#38

Trichloroethene

Concen: 0.055 ppbv

RT: 7.298 min Scan# 1456

Delta R.T. 0.013 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:130 Resp: 5925

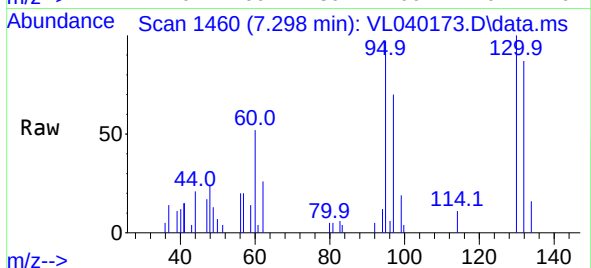
Ion Ratio Lower Upper

130 100

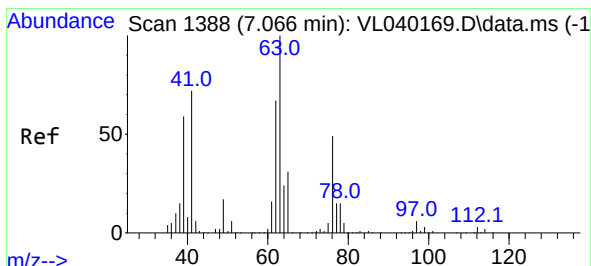
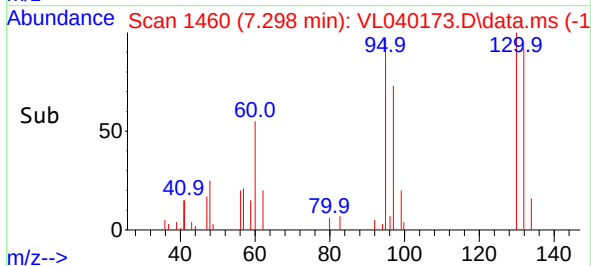
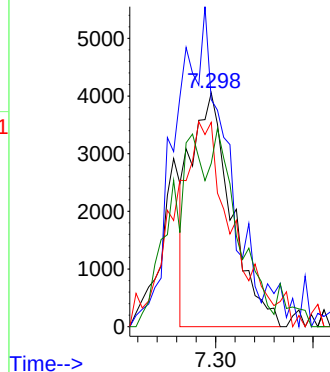
95 78.6 94.7 142.1#

132 76.6 76.4 114.6

97 51.5 59.8 89.6#



Abundance



#39

1,2-Dichloropropane

Concen: 8.374 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.418 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

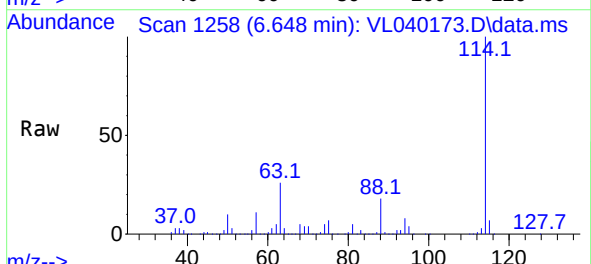
Tgt Ion: 63 Resp: 638853

Ion Ratio Lower Upper

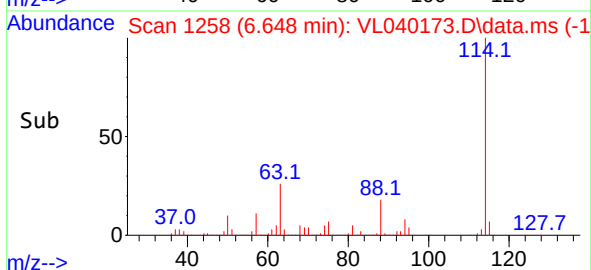
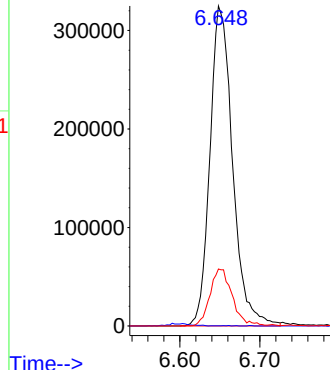
63 100

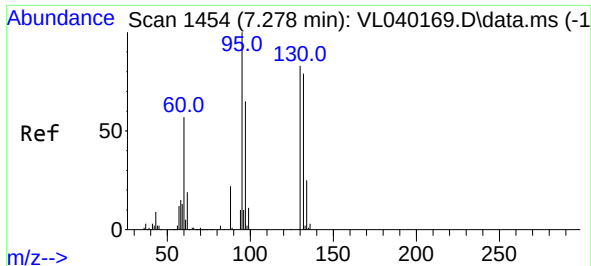
41 0.1 57.6 86.4#

62 17.8 54.0 81.0#



Abundance





#40

1,4-Dioxane

Concen: 0.023 ppbv

RT: 7.330 min Scan# 14

Delta R.T. 0.051 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

Tgt Ion: 88 Resp: 707

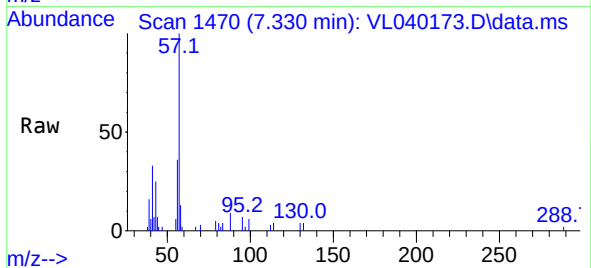
Ion Ratio Lower Upper

88 100

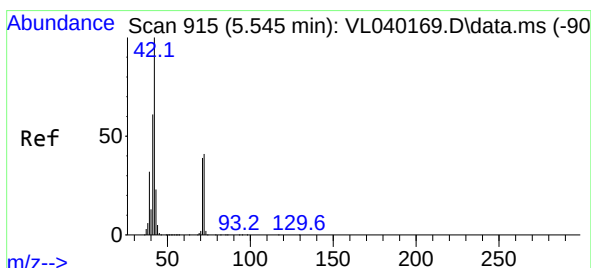
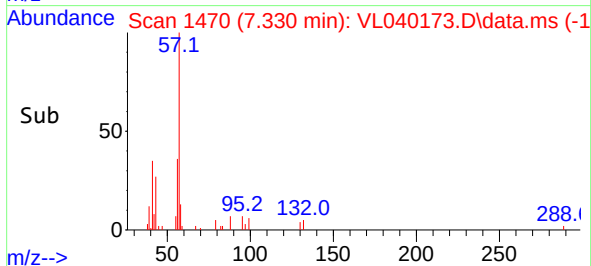
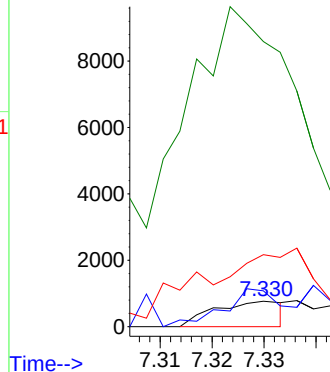
58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

57 3001.4 857.0 1285.6#



Abundance



#41

Tetrahydrofuran

Concen: 0.049 ppbv

RT: 5.594 min Scan# 930

Delta R.T. 0.048 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

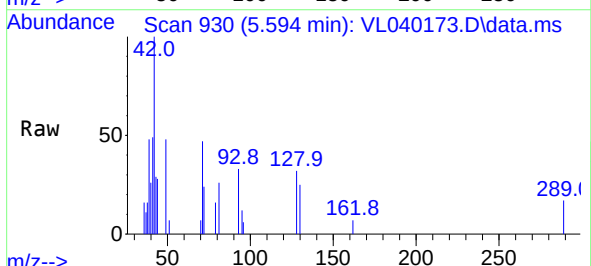
Tgt Ion: 42 Resp: 3564

Ion Ratio Lower Upper

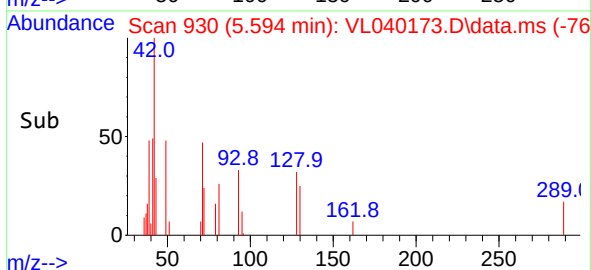
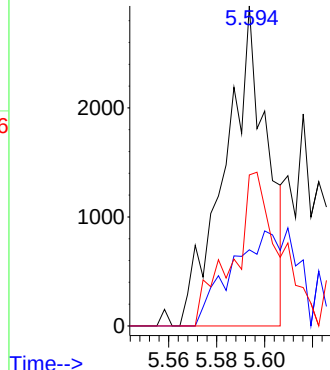
42 100

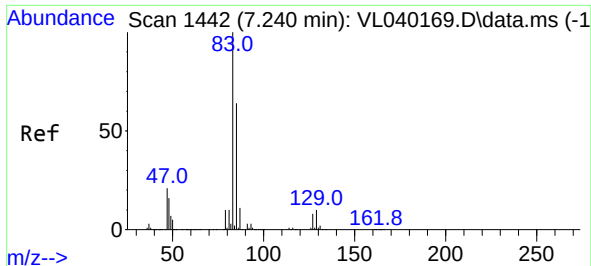
72 0.0 33.0 49.4#

71 59.8 31.4 47.2#



Abundance

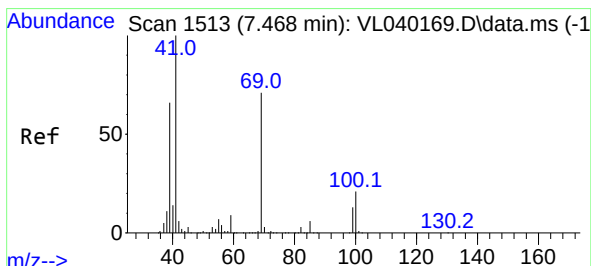
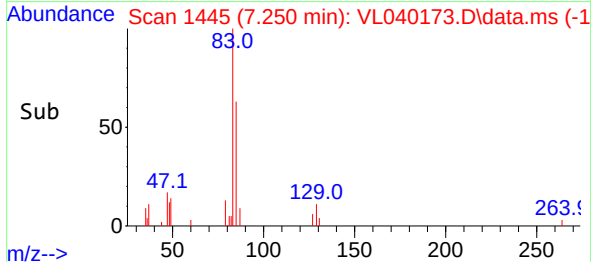
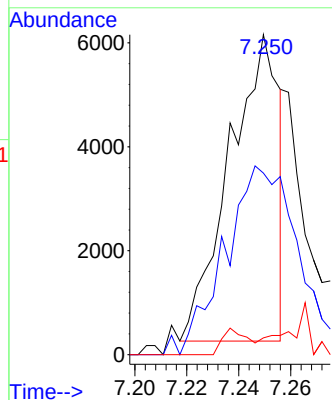
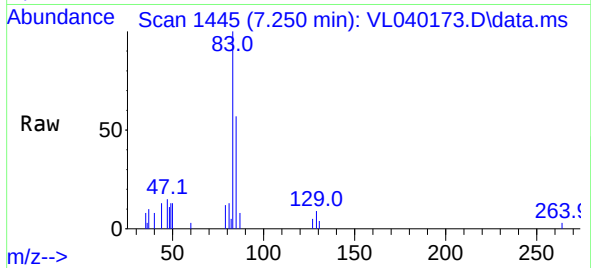




#42
Bromodichloromethane
Concen: 0.046 ppbv
RT: 7.250 min Scan# 1442
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

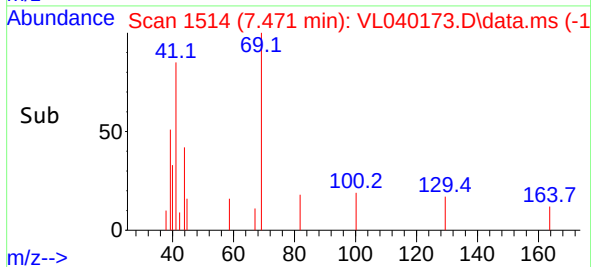
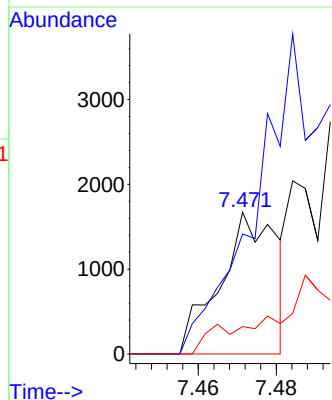
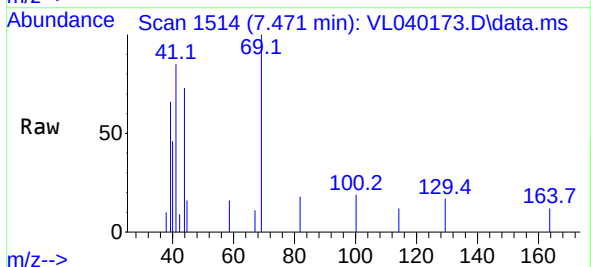
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

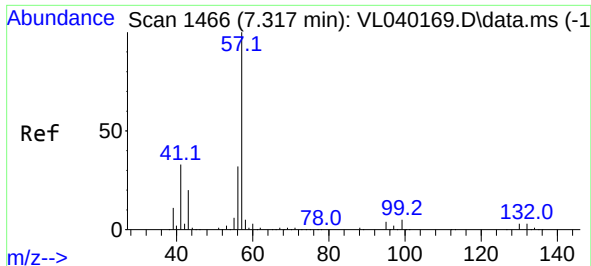
Tgt Ion: 83 Resp: 7781
Ion Ratio Lower Upper
83 100
85 59.3 50.9 76.3
127 5.5 6.2 9.2#



#43
Methyl Methacrylate
Concen: 0.023 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 69 Resp: 1682
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8#
100 0.0 25.6 38.4#

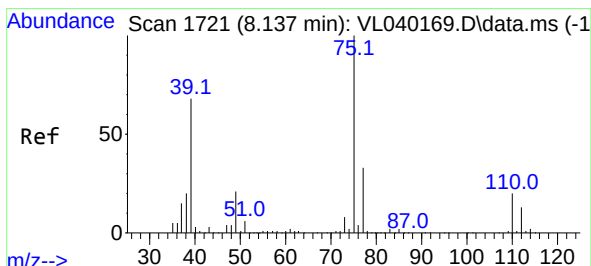
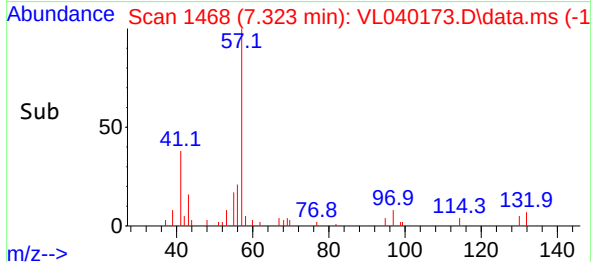
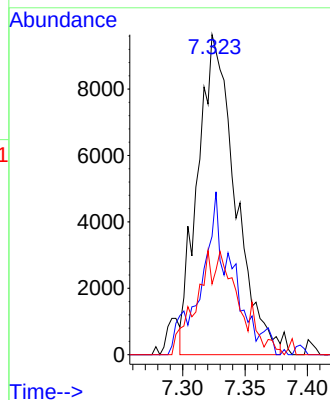
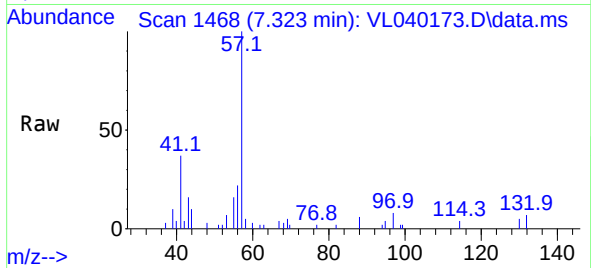




#44
2,2,4-Trimethylpentane
Concen: 0.062 ppbv
RT: 7.323 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

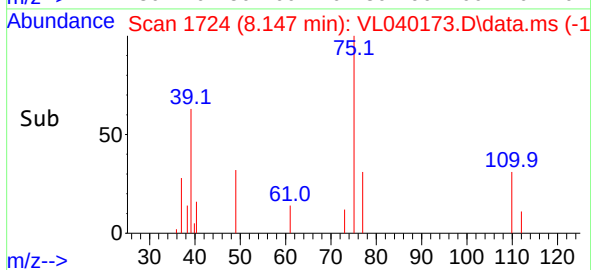
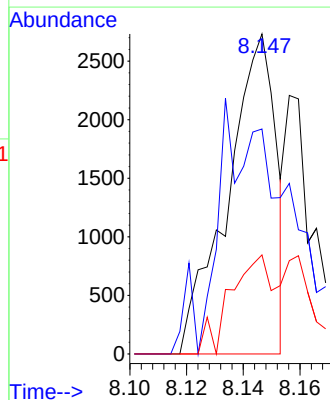
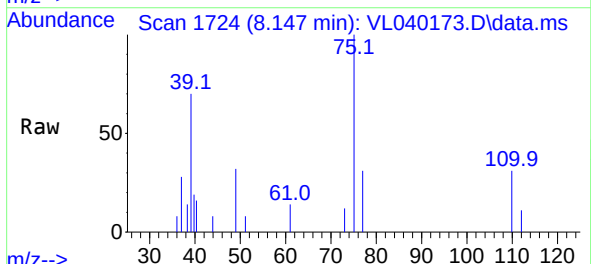
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

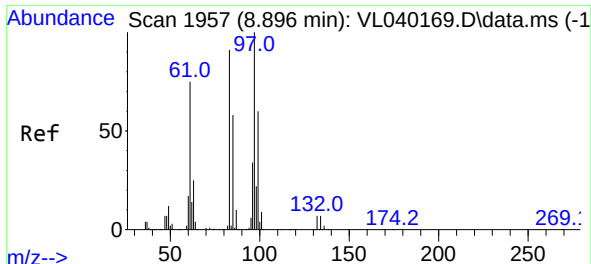
Tgt Ion: 57 Resp: 20220
Ion Ratio Lower Upper
57 100
41 42.9 26.2 39.4#
56 36.8 24.9 37.3



#46
cis-1,3-Dichloropropene
Concen: 0.036 ppbv
RT: 8.147 min Scan# 1724
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 75 Resp: 3241
Ion Ratio Lower Upper
75 100
39 63.2 54.2 81.2
77 30.9 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.030 ppbv

RT: 8.909 min Scan# 1957

Delta R.T. 0.013 min

Lab File: VL040173.D

Acq: 15 Feb 2023 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 2511

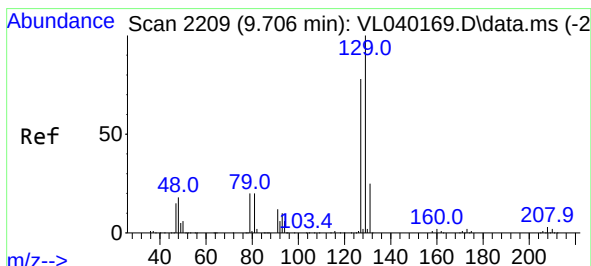
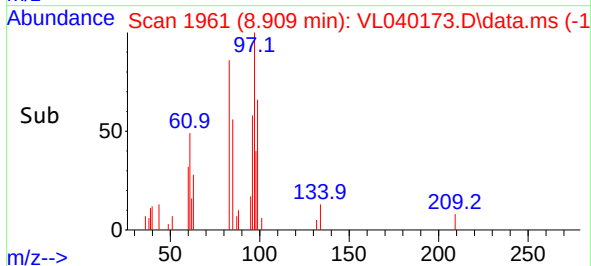
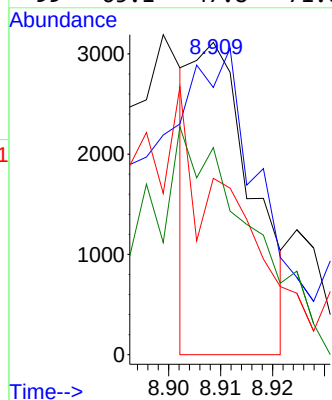
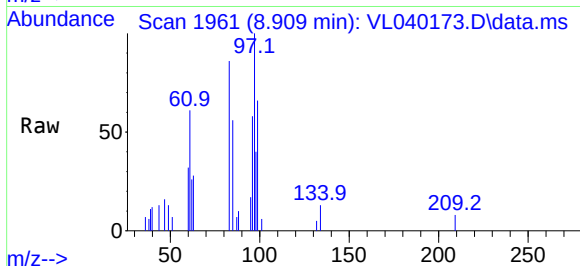
Ion Ratio Lower Upper

97 100

83 81.5 72.8 109.2

85 51.9 46.6 69.8

99 65.1 47.8 71.6



#48

Dibromochloromethane

Concen: 0.036 ppbv

RT: 9.712 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VL040173.D

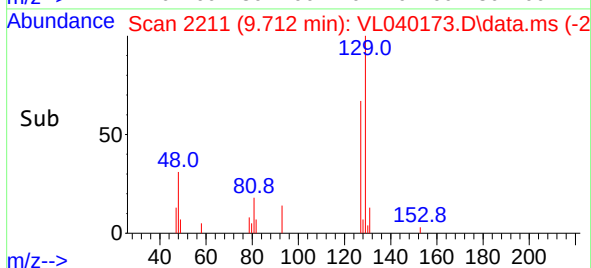
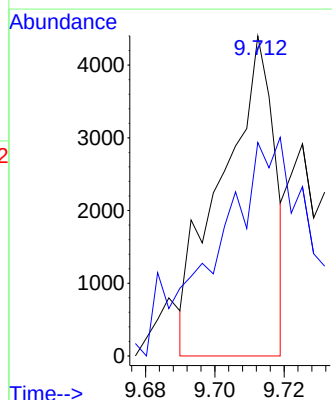
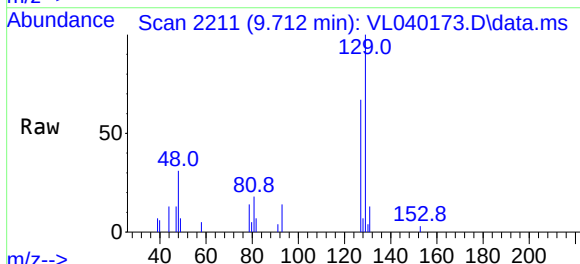
Acq: 15 Feb 2023 13:00

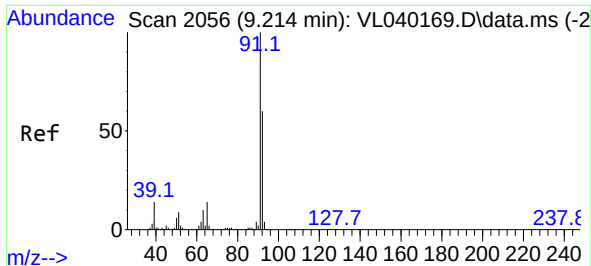
Tgt Ion: 129 Resp: 4687

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#

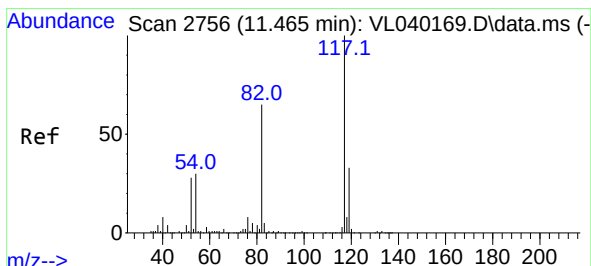
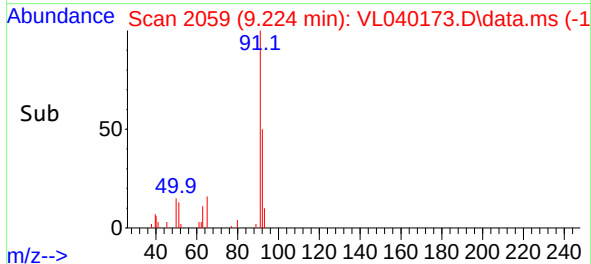
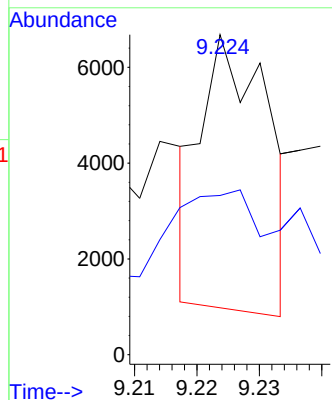
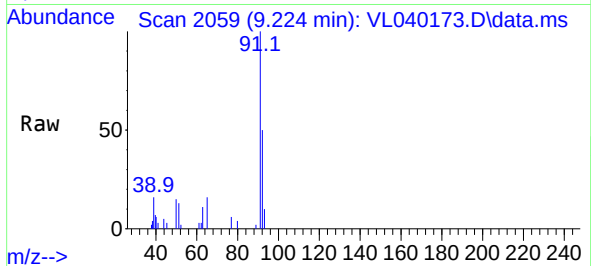




#53
Toluene
Concen: 0.020 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

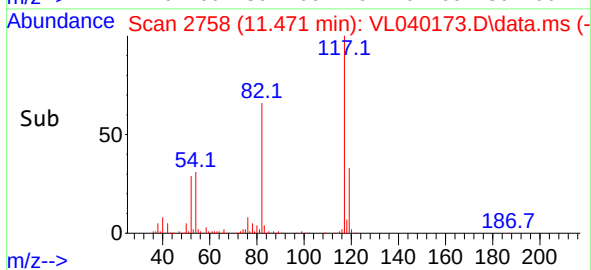
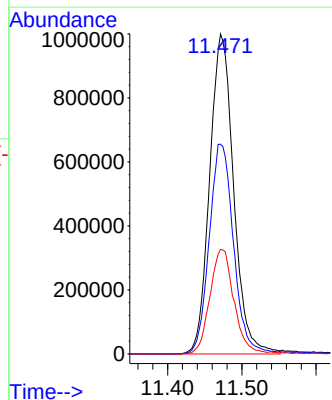
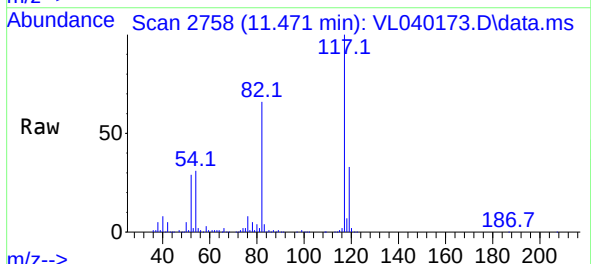
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

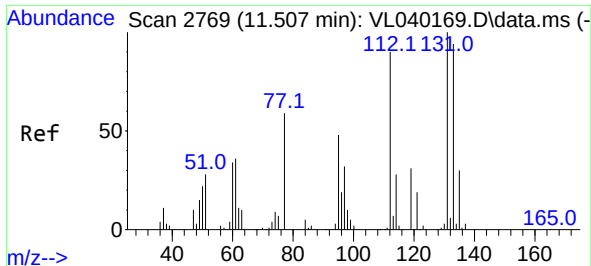
Tgt Ion: 91 Resp: 4220
Ion Ratio Lower Upper
91 100
92 176.0 48.9 73.3#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 117 Resp: 2241471
Ion Ratio Lower Upper
117 100
82 67.3 53.3 79.9
119 33.1 24.6 37.0

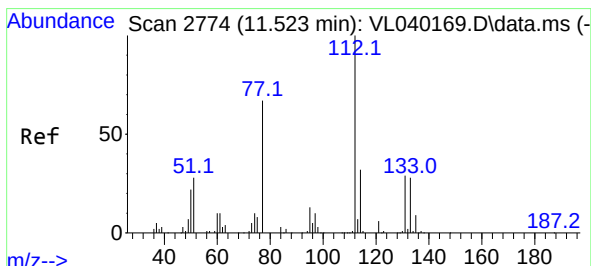
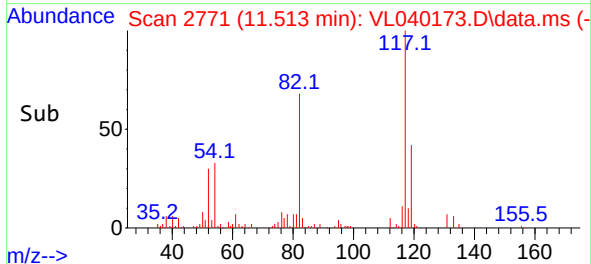
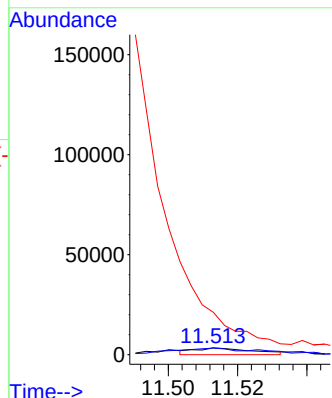
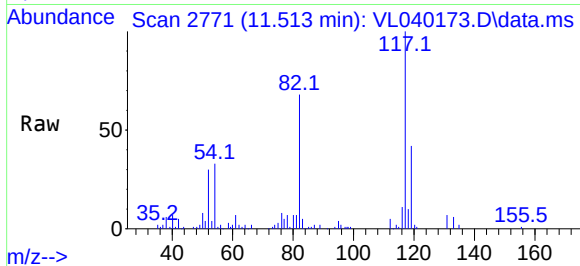




#56
1,1,1,2-Tetrachloroethane
Concen: 0.042 ppbv
RT: 11.513 min Scan# 211
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

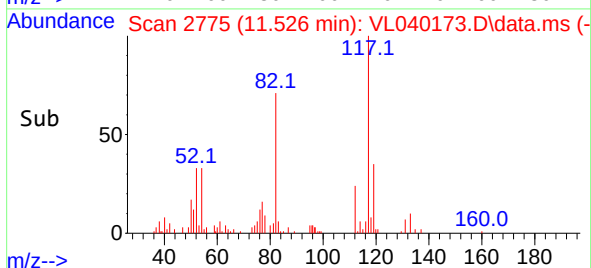
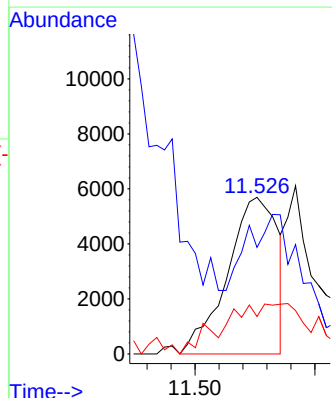
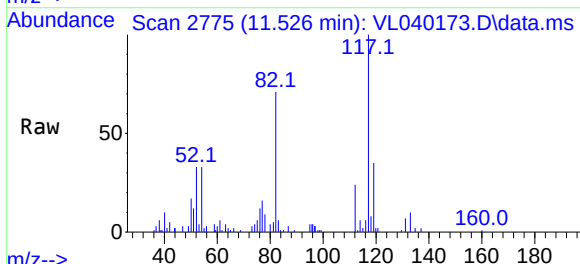
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

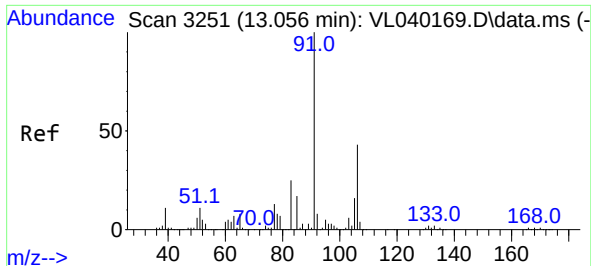
Tgt Ion:131 Resp: 3963
Ion Ratio Lower Upper
131 100
133 171.0 76.2 114.2#
119 0.0 45.4 68.0#



#57
Chlorobenzene
Concen: 0.050 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.003 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion:112 Resp: 8220
Ion Ratio Lower Upper
112 100
77 0.0 55.0 82.4#
114 23.9 29.0 35.4#

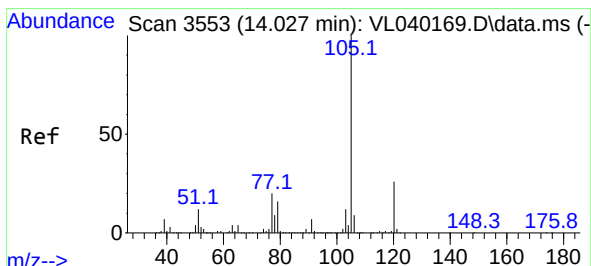
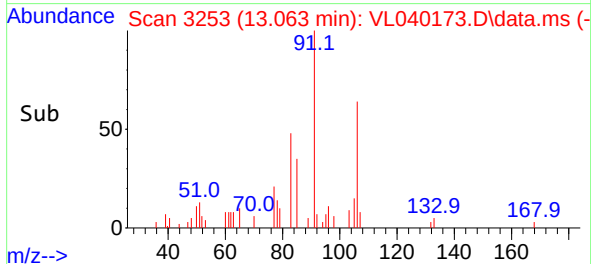
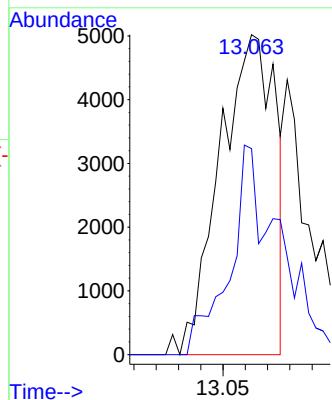
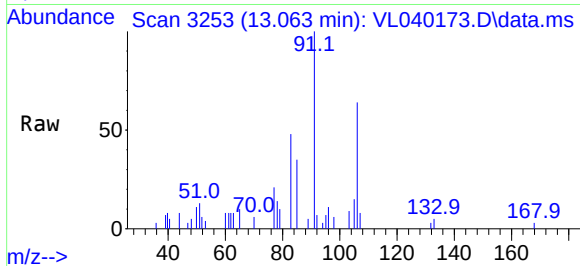




#60
o-Xylene
Concen: 0.037 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

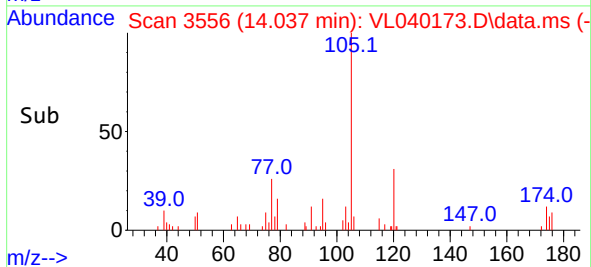
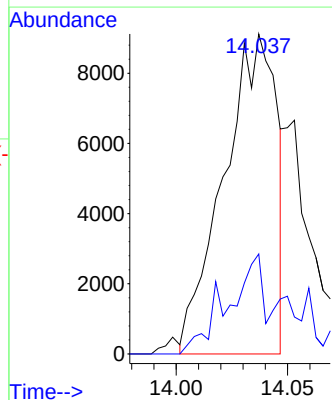
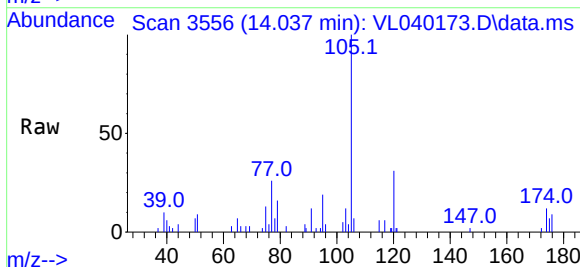
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

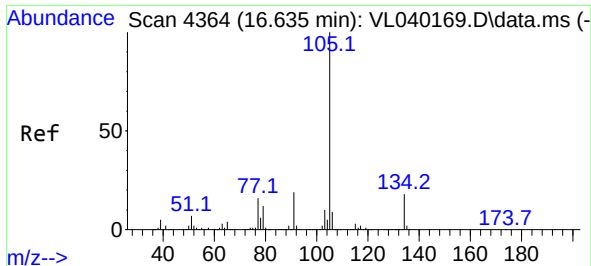
Tgt Ion: 91 Resp: 8631
Ion Ratio Lower Upper
91 100
106 58.9 21.6 65.0



#62
Isopropylbenzene
Concen: 0.045 ppbv
RT: 14.037 min Scan# 3556
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 105 Resp: 15066
Ion Ratio Lower Upper
105 100
120 34.1 20.3 30.5#

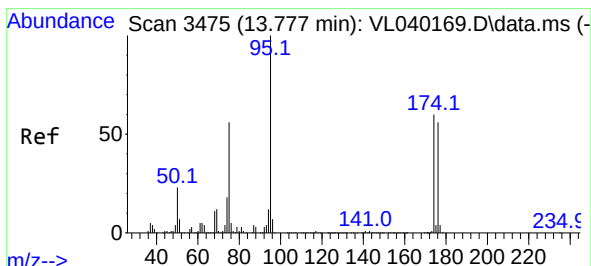
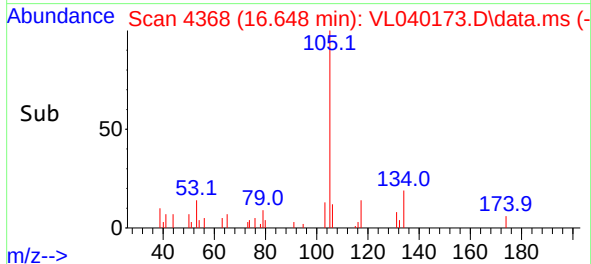
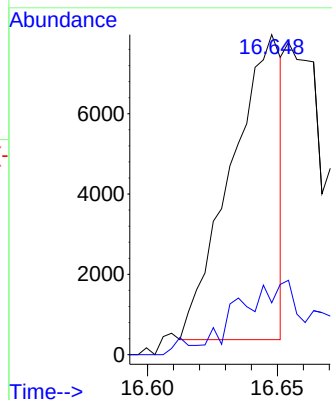
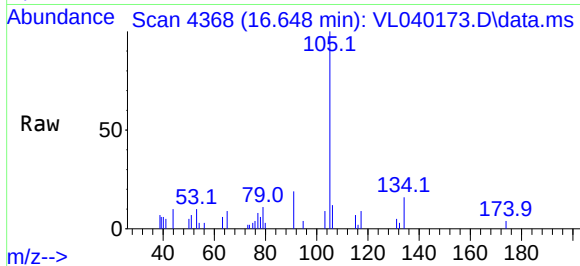




#67
 sec-Butylbenzene
 Concen: 0.025 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040173.D
 Acq: 15 Feb 2023 13:00

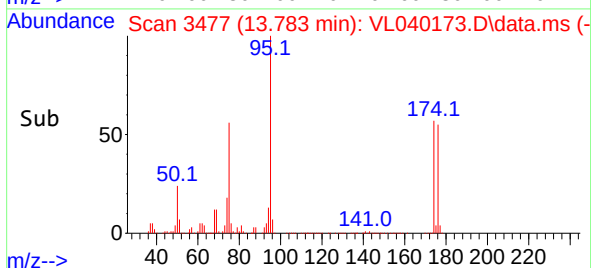
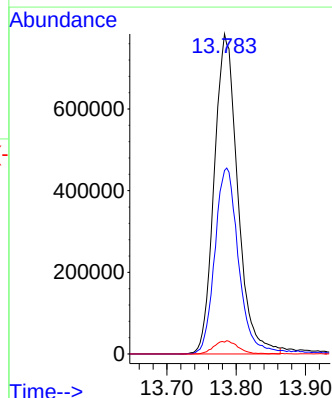
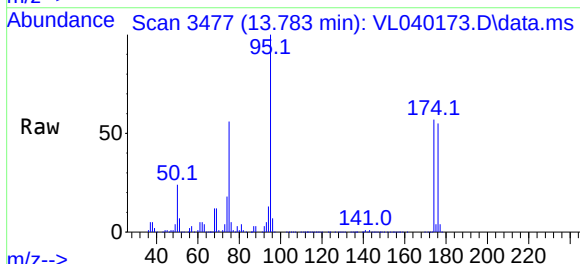
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

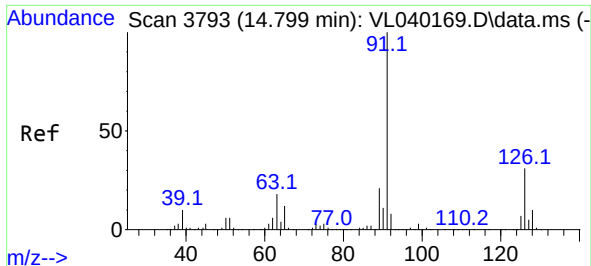
Tgt Ion:105 Resp: 10185
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.1 21.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.026 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.006 min
 Lab File: VL040173.D
 Acq: 15 Feb 2023 13:00

Tgt Ion: 95 Resp: 1847903
 Ion Ratio Lower Upper
 95 100
 174 59.8 48.2 72.2
 175 4.3 3.4 5.2

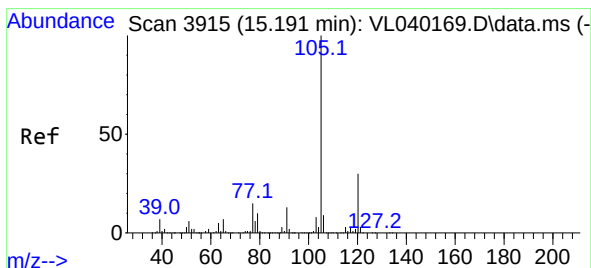
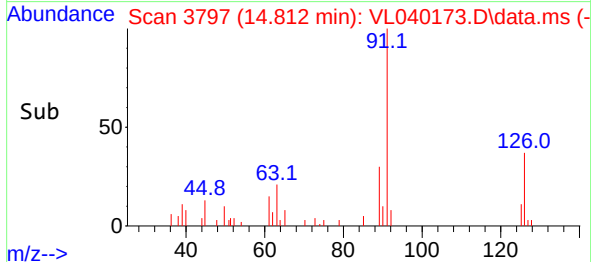
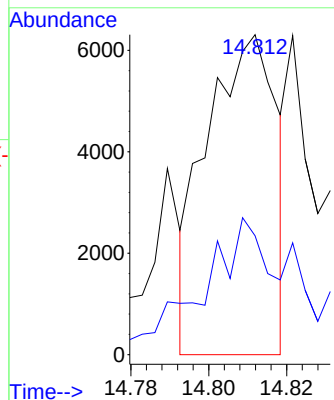
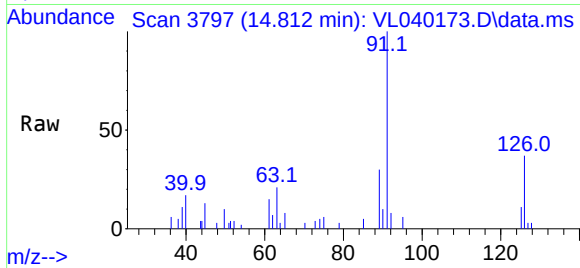




#71
2-Chlorotoluene
Concen: 0.031 ppbv
RT: 14.812 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

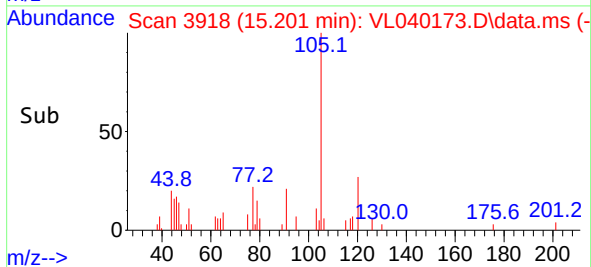
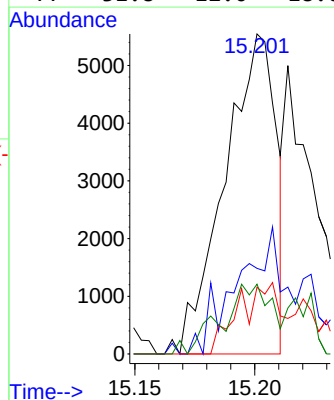
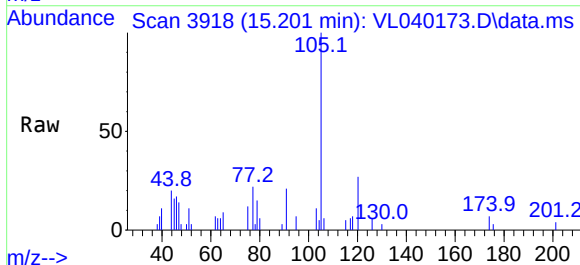
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

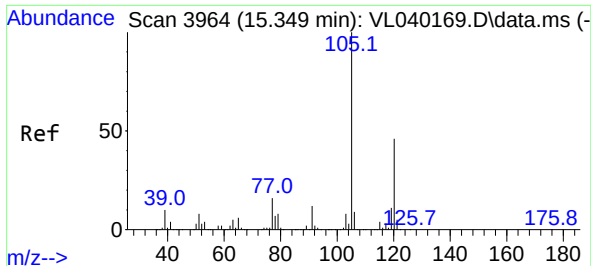
Tgt Ion: 91 Resp: 7829
Ion Ratio Lower Upper
91 100
126 63.3 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion: 105 Resp: 8218
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 11.3 16.9#
77 31.8 12.0 18.0#

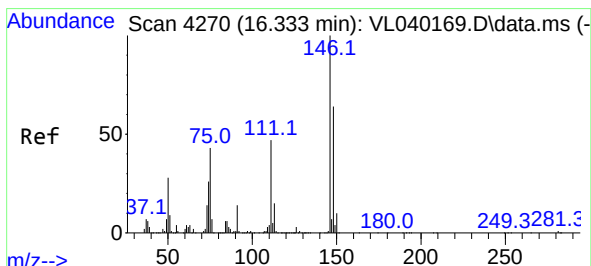
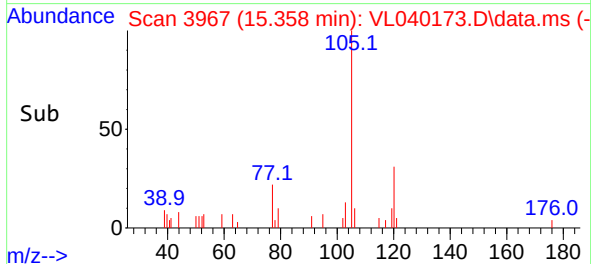
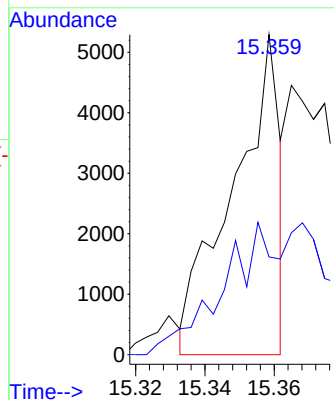
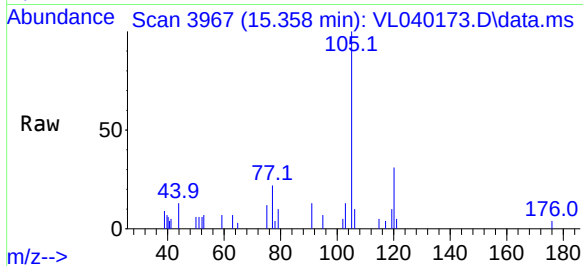




#73
1,3,5-Trimethylbenzene
Concen: 0.021 ppbv
RT: 15.358 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

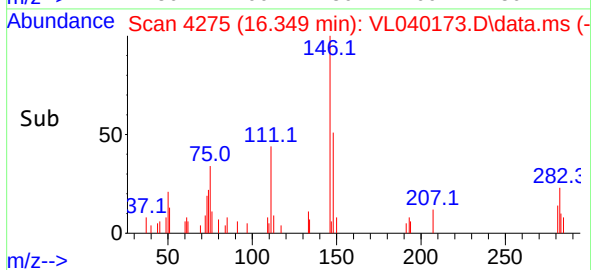
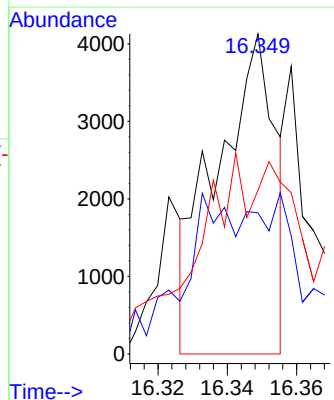
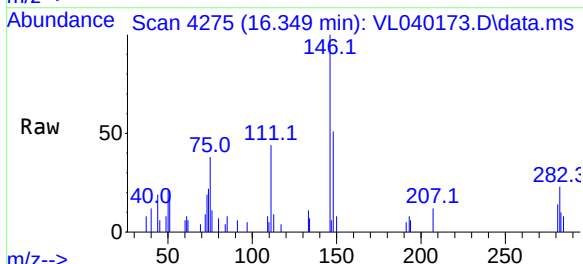
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

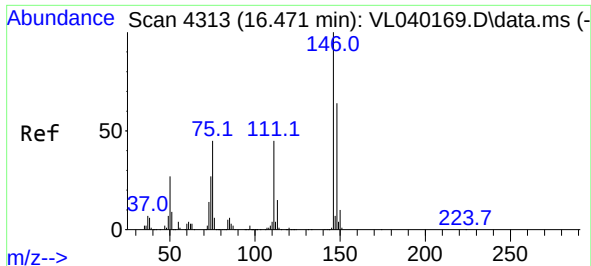
Tgt Ion:105 Resp: 4983
Ion Ratio Lower Upper
105 100
120 26.0 36.8 55.2#



#75
1,3-Dichlorobenzene
Concen: 0.034 ppbv
RT: 16.349 min Scan# 4275
Delta R.T. 0.016 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion:146 Resp: 4871
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 144.9 32.1 96.5#

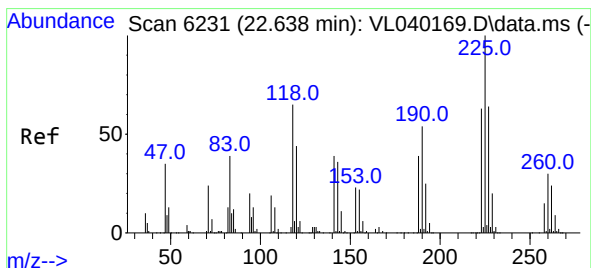
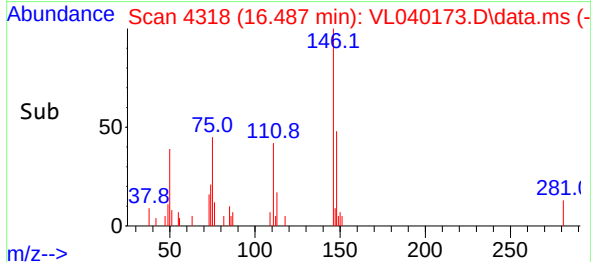
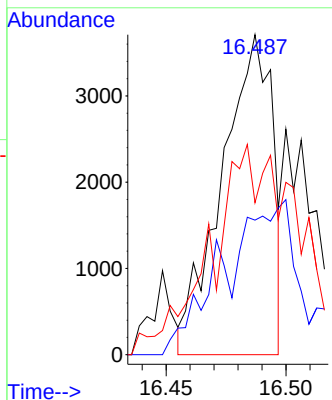
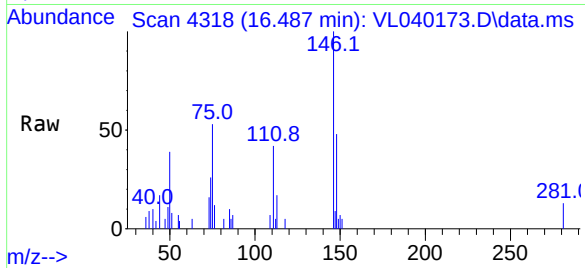




#76
1,4-Dichlorobenzene
Concen: 0.039 ppbv
RT: 16.487 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 5465
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 127.4 32.5 97.4#



#78
Hexachloro-1,3-Butadiene
Concen: 0.029 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.010 min
Lab File: VL040173.D
Acq: 15 Feb 2023 13:00

Tgt Ion:225 Resp: 2827
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 228.3 51.2 76.8#

