

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040369.D
 Acq On : 13 Apr 2023 22:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 14 08:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	942786	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2330302	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2058210	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1724538	10.132	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	329	0.002	ppbv	100
3) Chlorodifluoromethane	2.665	51	7573	0.061	ppbv	98
4) Chloromethane	2.800	50	2815	0.036	ppbv	93
5) Vinyl Chloride	2.909	62	3247	0.051	ppbv	94
6) Bromomethane	3.112	94	786	0.037	ppbv #	78
7) Chloroethane	3.186	64	1993	0.082	ppbv	95
8) Dichlorotetrafluoroethane	2.845	85	9848	0.059	ppbv	86
9) Propene	2.694	41	10445	0.215	ppbv	94
10) Heptane	7.581	43	1049	0.009	ppbv #	25
11) Trichlorofluoromethane	3.555	101	9045	0.053	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	6274	0.052	ppbv	95
13) Ethanol	3.224	45	176	0.043	ppbv #	37
14) Bromoethene	3.356	108	2925	0.059	ppbv #	94
15) Acetone	3.478	43	17774	0.133	ppbv #	59
16) 1,3-Butadiene	2.973	39	2981	0.054	ppbv	96
17) tert-Butyl alcohol	3.861	59	147	0.001	ppbv #	72
18) 1,1-Dichloroethene	3.870	96	1643	0.030	ppbv #	76
19) Isopropyl Alcohol	3.565	45	185	0.003	ppbv #	90
20) Methylene Chloride	3.925	84	16935	0.318	ppbv #	72
21) Allyl Chloride	3.986	41	2453	0.032	ppbv #	3
22) trans-1,2-Dichloroethene	4.440	96	692	0.013	ppbv #	1
23) Vinyl Acetate	4.623	43	1954	0.057	ppbv #	84
24) 1,1-Dichloroethane	4.559	63	5002	0.044	ppbv #	90
25) Ethyl Acetate	5.192	43	679	0.003	ppbv #	74
26) Hexane	5.208	57	5907	0.062	ppbv #	76
27) Carbon Disulfide	4.124	76	4976	0.041	ppbv #	1
28) Methyl tert-Butyl Ether	4.571	73	317	0.003	ppbv #	52
29) Chloroform	5.263	83	4463	0.026	ppbv	94
30) Cyclohexane	6.600	84	571	0.008	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	4118	0.044	ppbv	93
32) 1,1,1-Trichloroethane	6.002	97	8864	0.054	ppbv	96
34) 2-Butanone	4.809	43	7223	0.057	ppbv	92
35) Carbon Tetrachloride	6.478	117	1398	0.009	ppbv	86
36) Benzene	6.372	78	5600	0.029	ppbv #	90
37) 1,2-Dichloroethane	5.809	62	1004	0.008	ppbv #	84
38) Trichloroethene	7.295	130	1992	0.018	ppbv #	15
39) 1,2-Dichloropropane	6.652	63	618556	8.268	ppbv #	25
40) 1,4-Dioxane	7.324	88	117	0.004	ppbv #	1
41) Tetrahydrofuran	5.562	42	113	0.002	ppbv #	34
42) Bromodichloromethane	7.256	83	3005	0.018	ppbv #	85
43) Methyl Methacrylate	7.472	69	355	0.005	ppbv #	1
44) 2,2,4-Trimethylpentane	7.330	57	2673	0.008	ppbv #	1
45) t-1,3-Dichloropropene	8.716	75	418	0.007	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040369.D
 Acq On : 13 Apr 2023 22:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 14 08:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

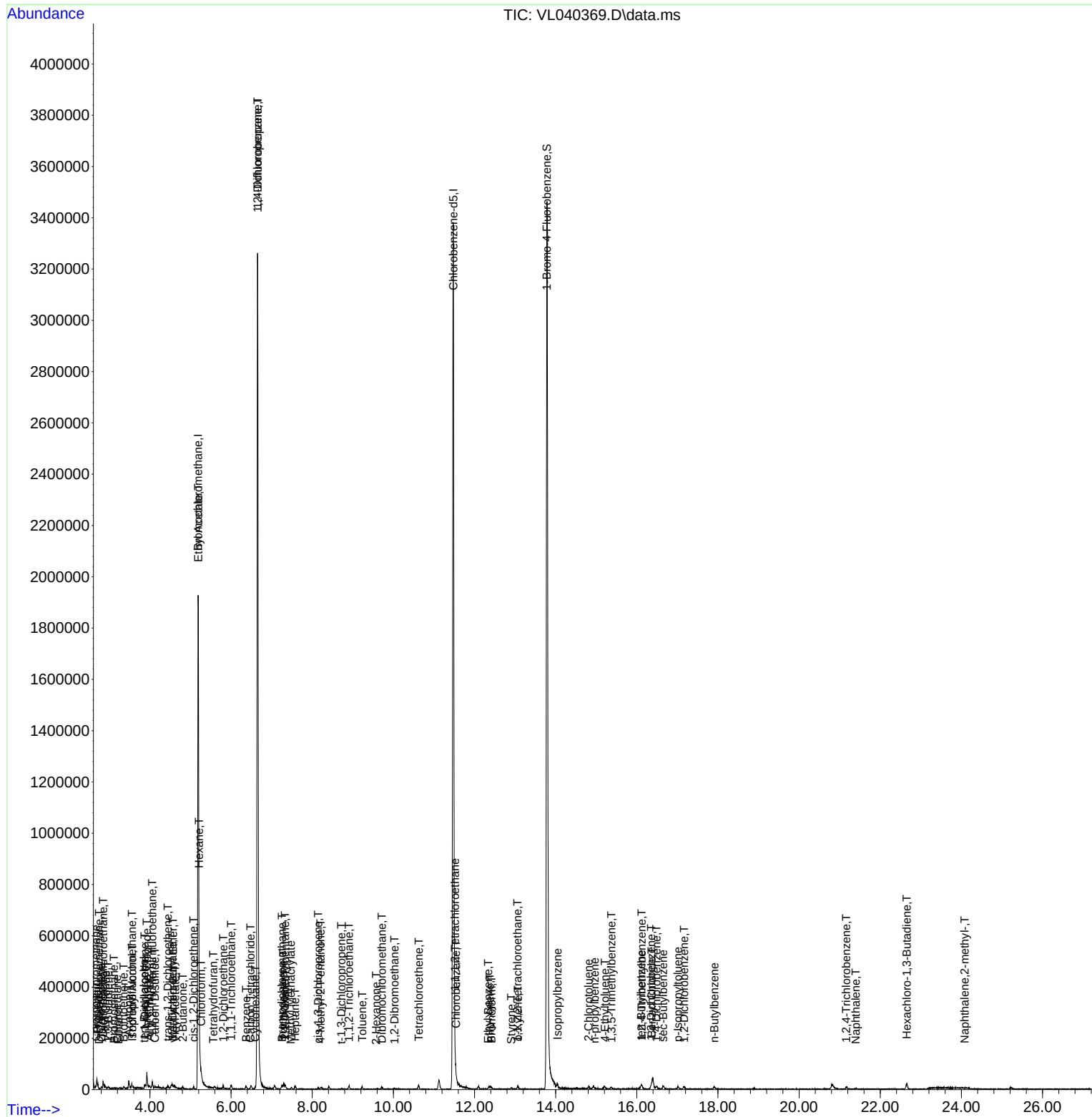
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1881	0.021	ppbv	90
47) 1,1,2-Trichloroethane	8.906	97	1314	0.016	ppbv #	38
48) Dibromochloromethane	9.719	129	1616	0.012	ppbv #	1
49) Bromoform	12.417	173	447	0.004	ppbv #	1
50) 4-Methyl-2-Pentanone	8.208	43	1540	0.008	ppbv #	39
51) 2-Hexanone	9.574	43	462	0.003	ppbv #	30
52) Tetrachloroethene	10.629	164	1050	0.018	ppbv #	4
53) Toluene	9.234	91	2194	0.011	ppbv #	1
54) 1,2-Dibromoethane	10.028	107	1592	0.019	ppbv	82
56) 1,1,1,2-Tetrachloroethane	11.516	131	1225	0.013	ppbv #	1
57) Chlorobenzene	11.545	112	2358	0.015	ppbv	94
58) Ethyl Benzene	12.336	91	1416	0.006	ppbv	95
59) m/p-Xylene	12.381	91	2962	0.013	ppbv #	32
60) o-Xylene	13.069	91	2168	0.010	ppbv #	1
61) Styrene	12.905	104	1548	0.014	ppbv #	47
62) Isopropylbenzene	14.047	105	1821	0.006	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.057	83	1366	0.017	ppbv #	24
64) n-propylbenzene	14.960	120	91	0.001	ppbv	78
65) tert-Butylbenzene	16.111	119	1743	0.006	ppbv #	1
66) Benzyl Chloride	16.368	91	75	0.004	ppbv #	69
67) sec-Butylbenzene	16.648	105	6868	0.017	ppbv #	84
69) p-Isopropyltoluene	17.011	119	1378	0.004	ppbv #	1
70) n-Butylbenzene	17.912	91	2331	0.007	ppbv #	29
71) 2-Chlorotoluene	14.812	91	2810	0.011	ppbv #	47
72) 4-Ethyltoluene	15.214	105	3466	0.014	ppbv #	69
73) 1,3,5-Trimethylbenzene	15.372	105	873	0.004	ppbv #	30
74) 1,2,4-Trimethylbenzene	16.121	105	841	0.003	ppbv #	26
75) 1,3-Dichlorobenzene	16.352	146	2107	0.015	ppbv #	1
76) 1,4-Dichlorobenzene	16.487	146	1770	0.013	ppbv #	1
77) 1,2-Dichlorobenzene	17.169	146	1577	0.011	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.651	225	1565	0.014	ppbv #	1
79) Naphthalene	21.397	128	415	0.002	ppbv #	69
80) Naphthalene,2-methyl-	24.085	142	74	0.001	ppbv #	41
81) 1,2,4-Trichlorobenzene	21.159	180	1300	0.012	ppbv #	12

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

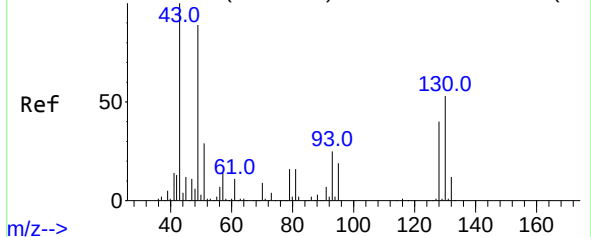
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
Data File : VL040369.D
Acq On : 13 Apr 2023 22:24
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

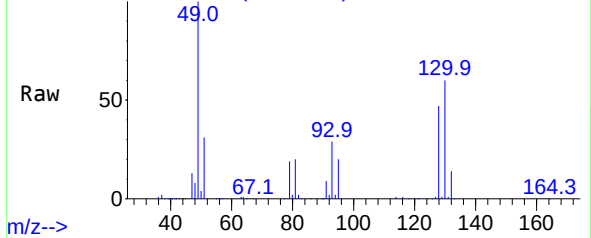
Quant Time: Apr 14 08:37:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration



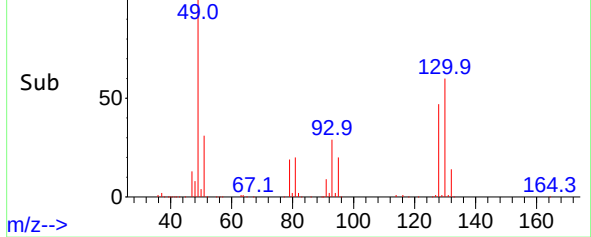
Abundance Scan 804 (5.189 min): VL040354.D\data.ms (-78)



m/z--> Scan 804 (5.189 min): VL040369.D\data.ms

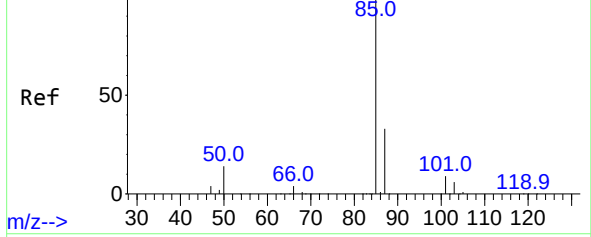


Abundance Scan 804 (5.189 min): VL040369.D\data.ms (-64)

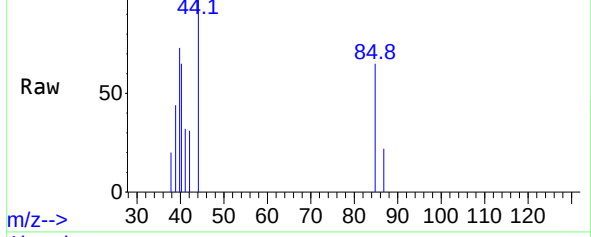


m/z-->

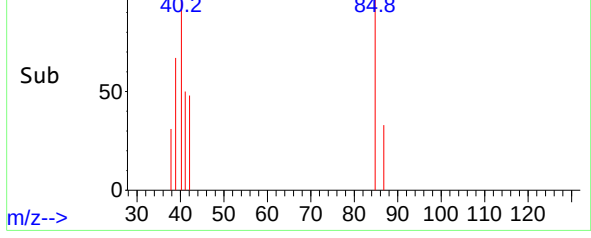
Abundance Scan 35 (2.716 min): VL040354.D\data.ms (-25)



m/z--> Scan 45 (2.748 min): VL040369.D\data.ms



Abundance Scan 45 (2.748 min): VL040369.D\data.ms (-1)



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 80

Delta R.T. -0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 49 Resp: 942786

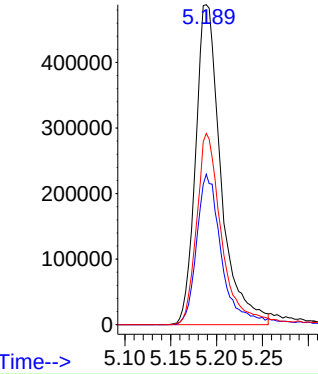
Ion Ratio Lower Upper

49 100

128 47.3 23.7 71.1

130 60.4 29.9 89.8

Abundance



Time-->

#2

Dichlorodifluoromethane

Concen: 0.002 ppbv

RT: 2.748 min Scan# 45

Delta R.T. 0.032 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

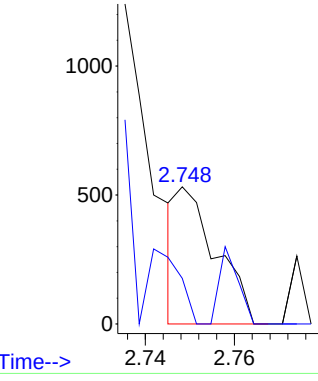
Tgt Ion: 85 Resp: 329

Ion Ratio Lower Upper

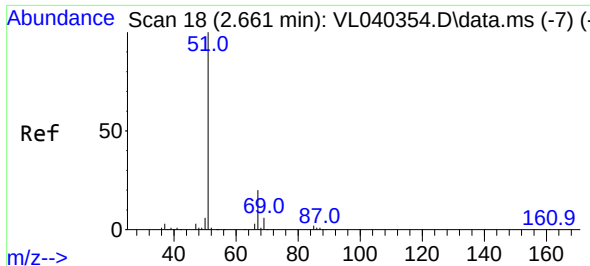
85 100

87 33.3 26.6 40.0

Abundance



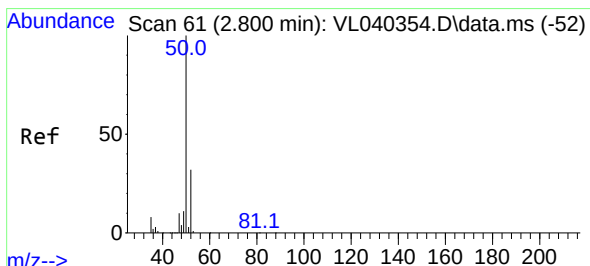
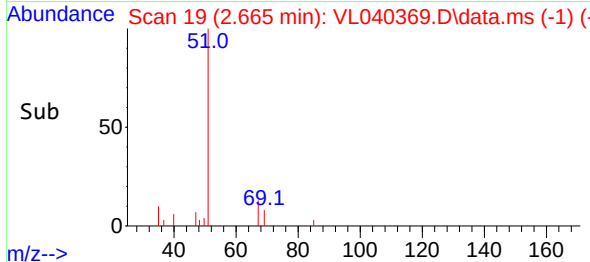
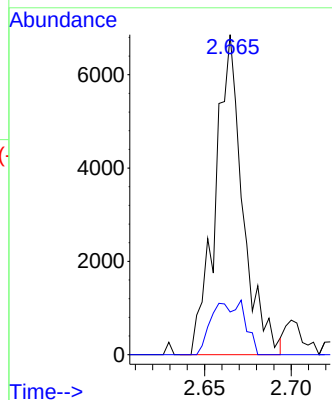
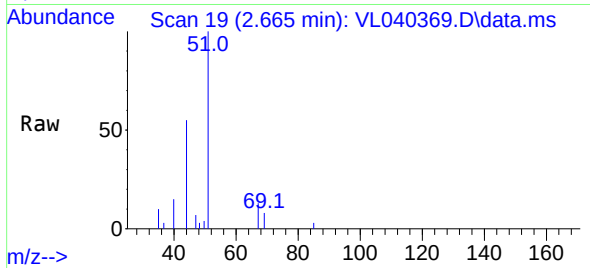
Time-->



#3
Chlorodifluoromethane
Concen: 0.061 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

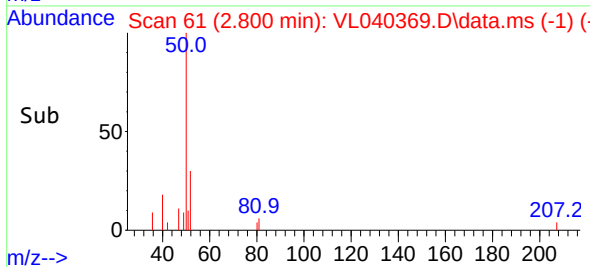
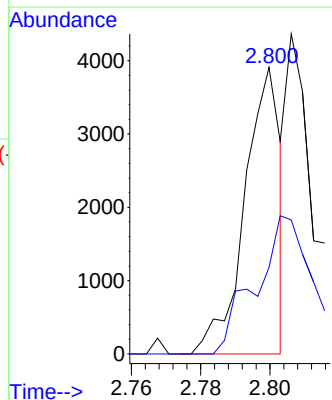
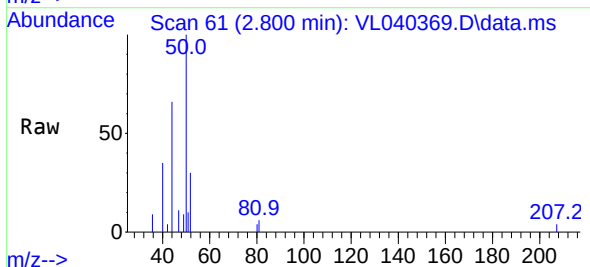
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

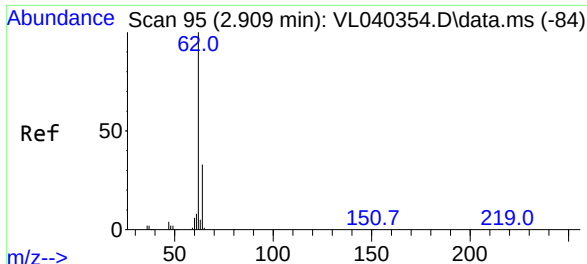
Tgt Ion: 51 Resp: 7573
Ion Ratio Lower Upper
51 100
67 20.1 15.5 23.3



#4
Chloromethane
Concen: 0.036 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 50 Resp: 2815
Ion Ratio Lower Upper
50 100
52 27.5 25.3 37.9

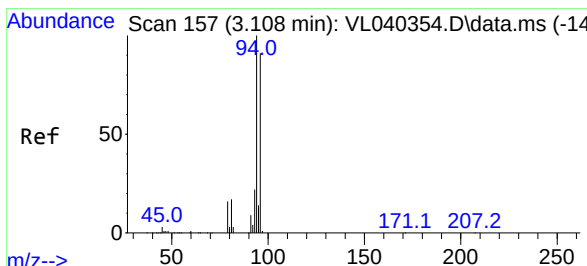
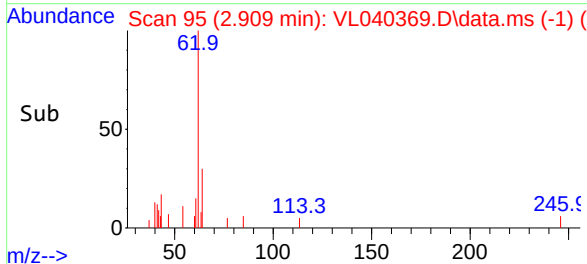
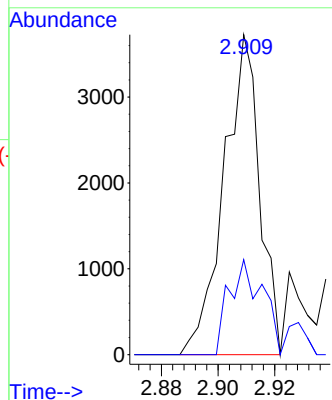
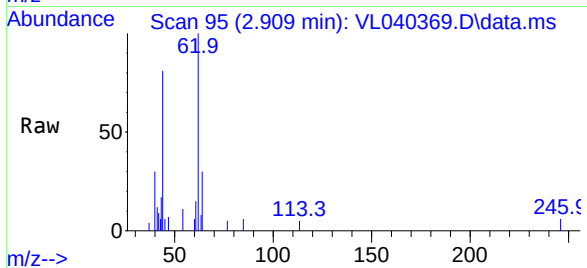




#5
 Vinyl Chloride
 Concen: 0.051 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

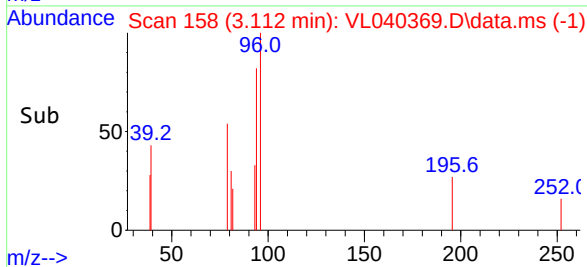
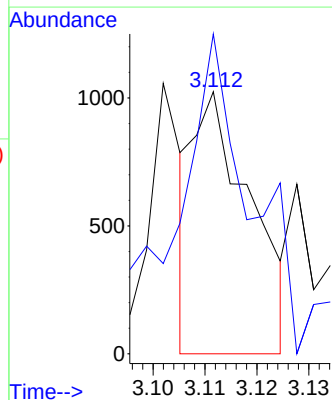
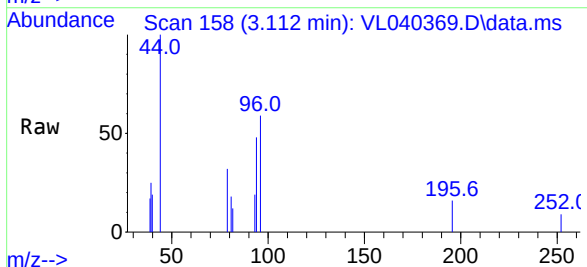
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

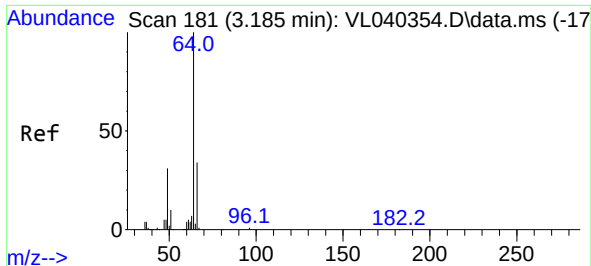
Tgt Ion: 62 Resp: 3247
 Ion Ratio Lower Upper
 62 100
 64 29.7 26.3 39.5



#6
 Bromomethane
 Concen: 0.037 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion: 94 Resp: 786
 Ion Ratio Lower Upper
 94 100
 96 111.8 72.6 108.8

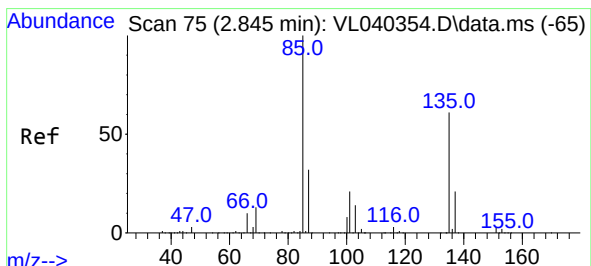
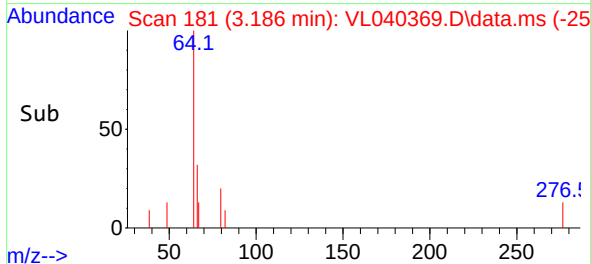
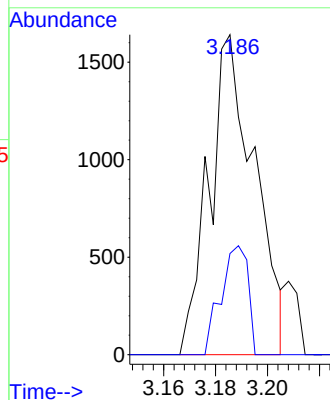
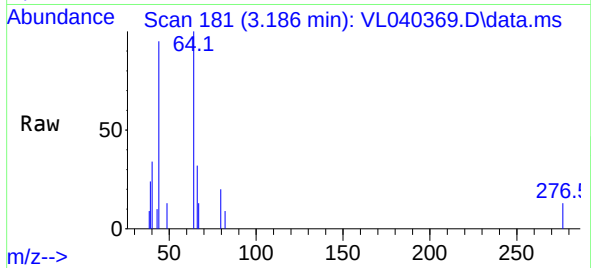




#7
Chloroethane
Concen: 0.082 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

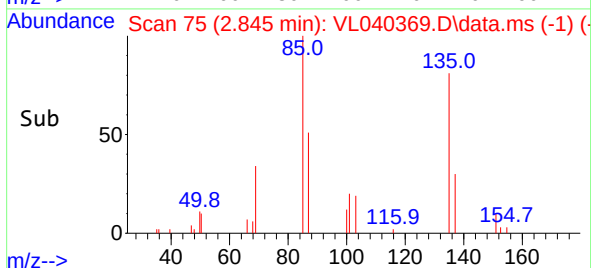
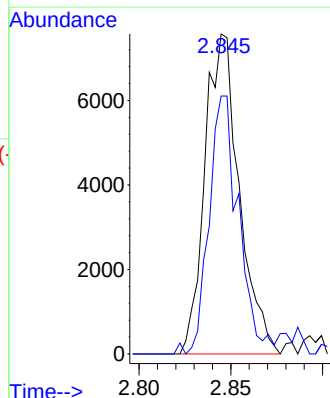
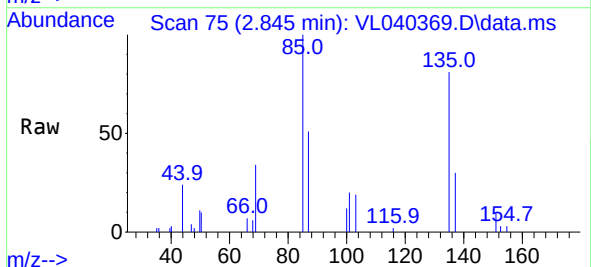
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

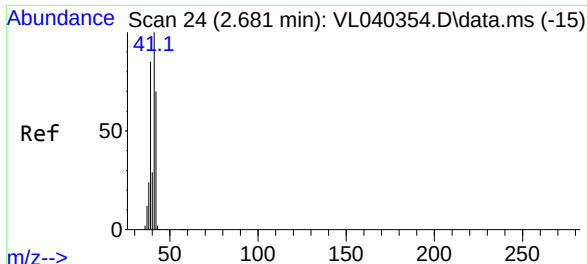
Tgt Ion: 64 Resp: 1993
Ion Ratio Lower Upper
64 100
66 31.6 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 0.059 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 85 Resp: 9848
Ion Ratio Lower Upper
85 100
135 74.7 50.7 76.1

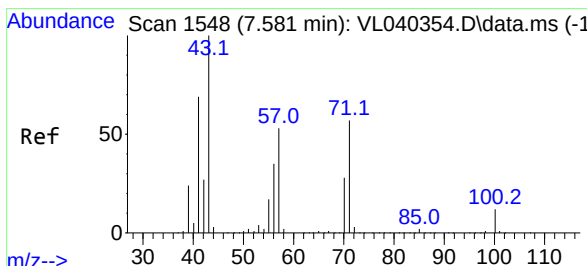
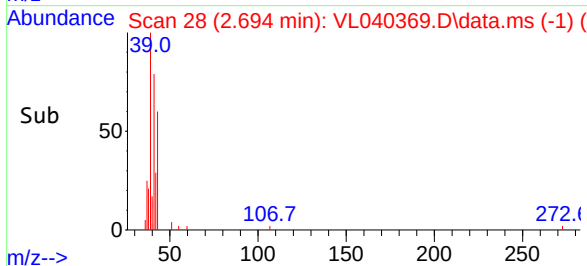
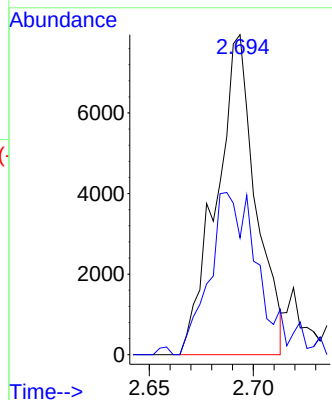
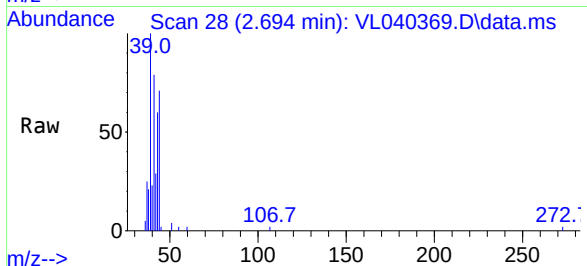




#9
 Propene
 Concen: 0.215 ppbv
 RT: 2.694 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

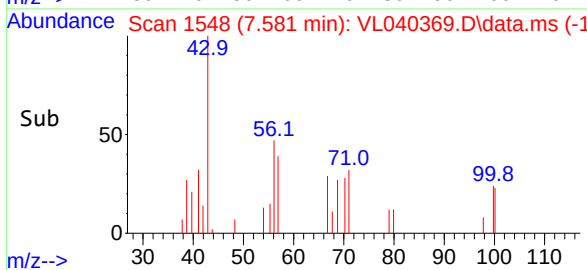
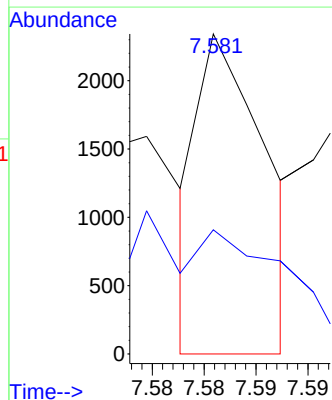
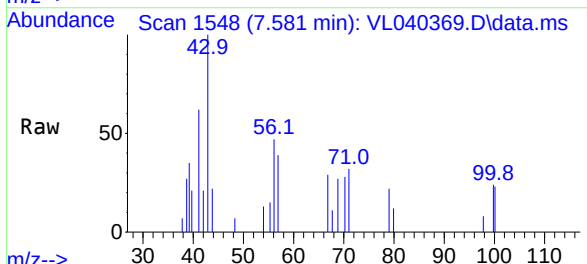
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

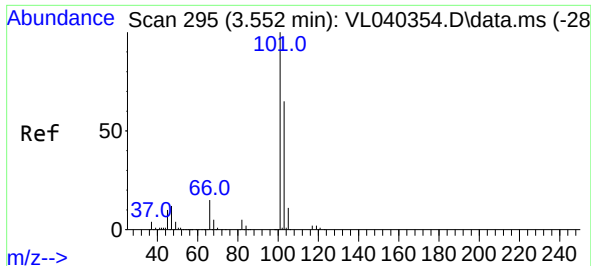
Tgt Ion: 41 Resp: 10445
 Ion Ratio Lower Upper
 41 100
 42 66.0 56.5 84.7



#10
 Heptane
 Concen: 0.009 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion: 43 Resp: 1049
 Ion Ratio Lower Upper
 43 100
 57 0.0 42.2 63.4#

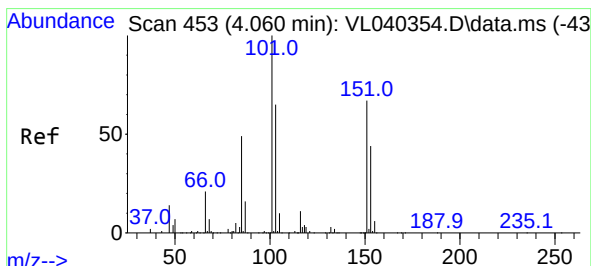
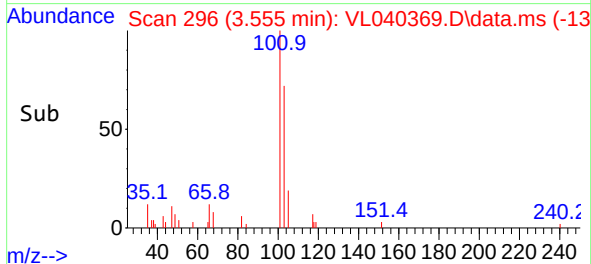
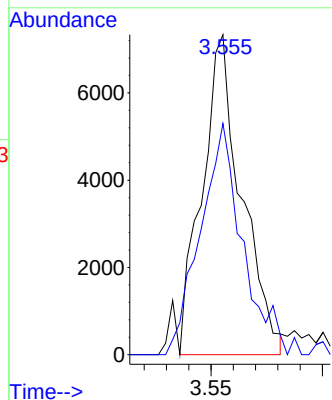
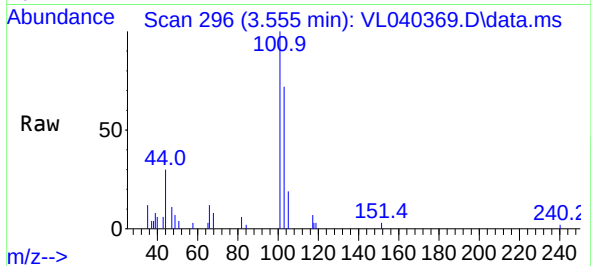




#11
 Trichlorofluoromethane
 Concen: 0.053 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

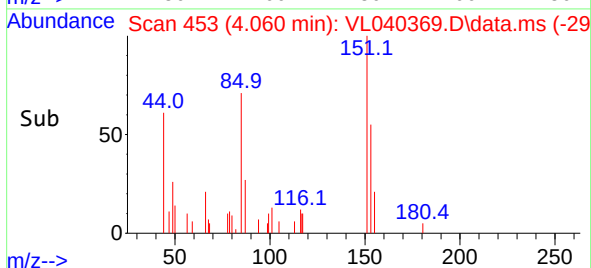
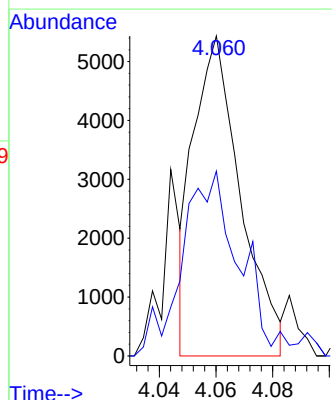
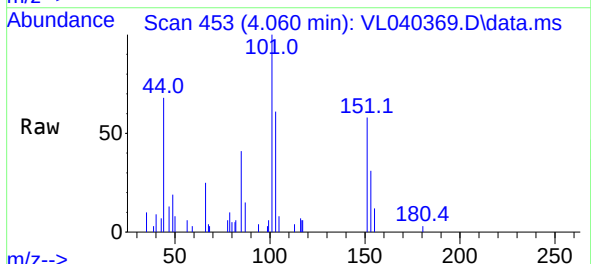
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

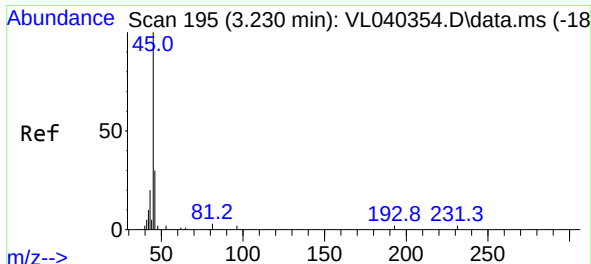
Tgt Ion:101 Resp: 9045
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.052 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion:101 Resp: 6274
 Ion Ratio Lower Upper
 101 100
 151 72.8 54.7 82.1





#13

Ethanol

Concen: 0.043 ppbv

RT: 3.224 min Scan# 19

Delta R.T. -0.006 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

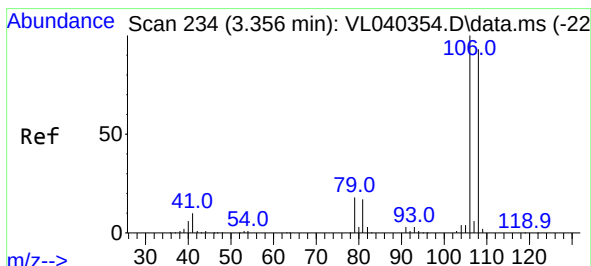
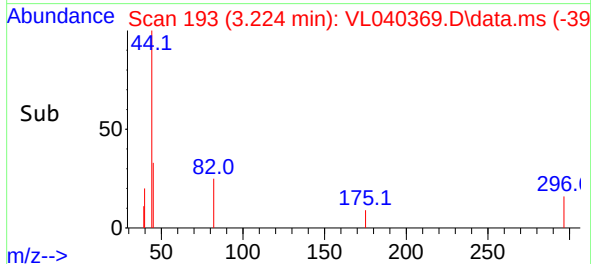
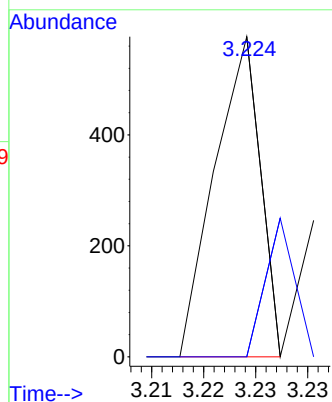
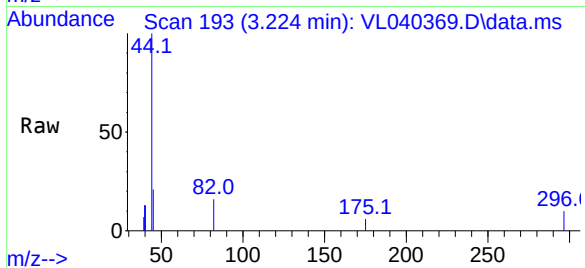
VIBLK

Tgt Ion: 45 Resp: 176

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.3#



#14

Bromoethene

Concen: 0.059 ppbv

RT: 3.356 min Scan# 234

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

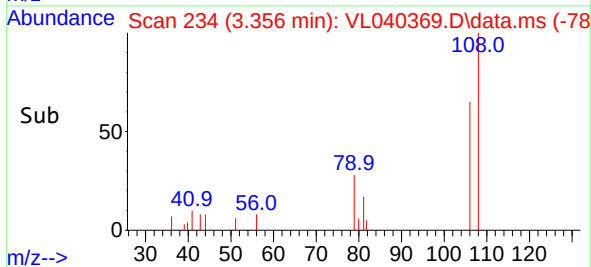
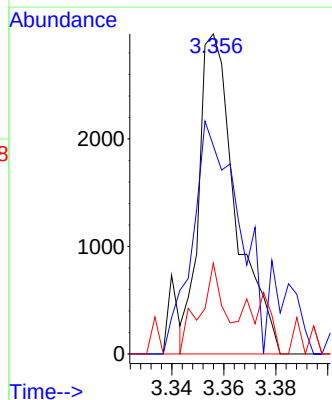
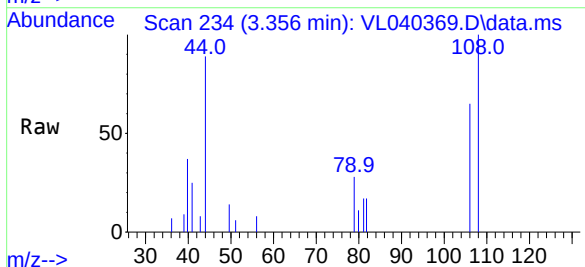
Tgt Ion:108 Resp: 2925

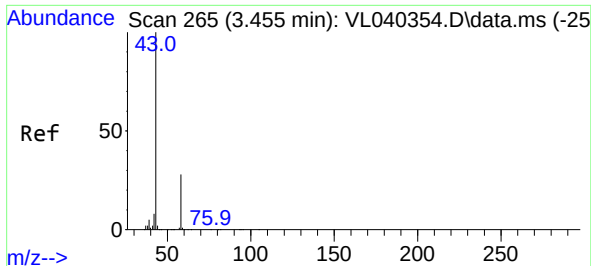
Ion Ratio Lower Upper

108 100

106 110.0 88.3 132.5

79 37.7 16.1 24.1#

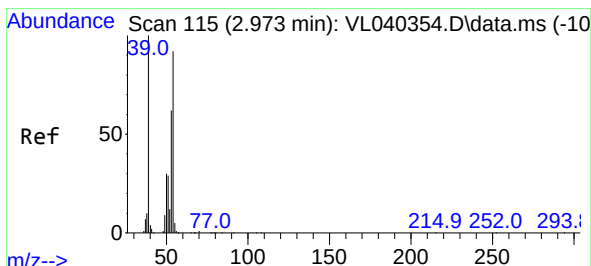
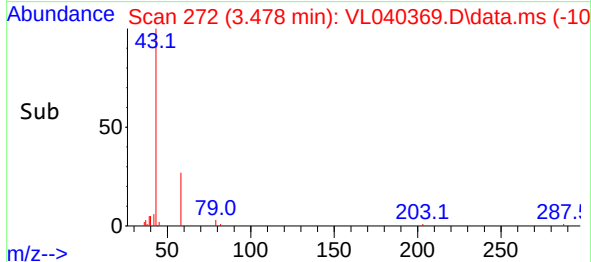
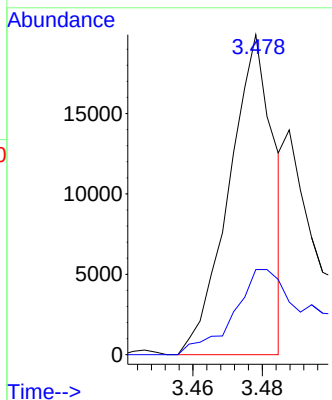
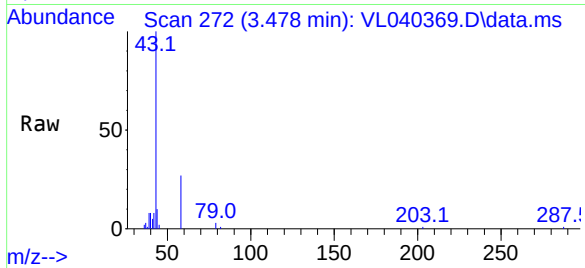




#15
Acetone
Concen: 0.133 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

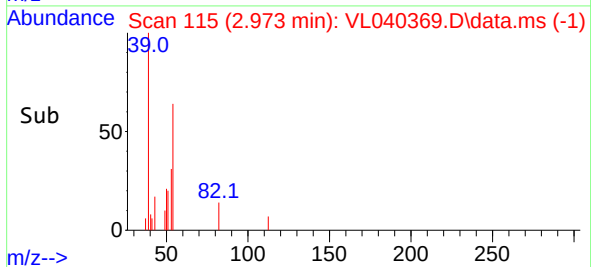
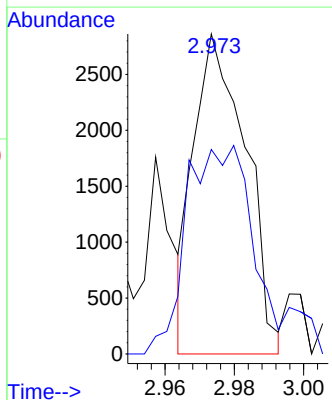
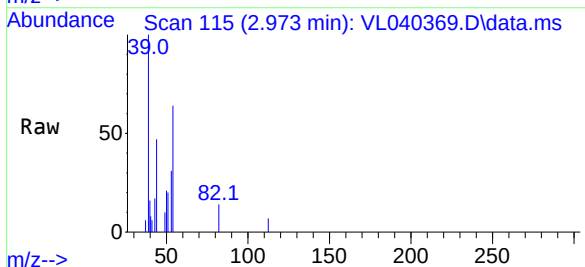
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

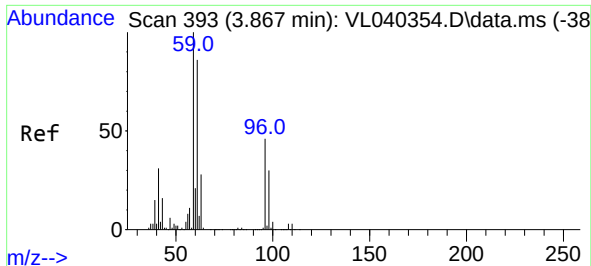
Tgt Ion: 43 Resp: 17774
Ion Ratio Lower Upper
43 100
58 49.3 22.2 33.2#



#16
1,3-Butadiene
Concen: 0.054 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 39 Resp: 2981
Ion Ratio Lower Upper
39 100
54 89.9 68.8 103.2





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.006 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

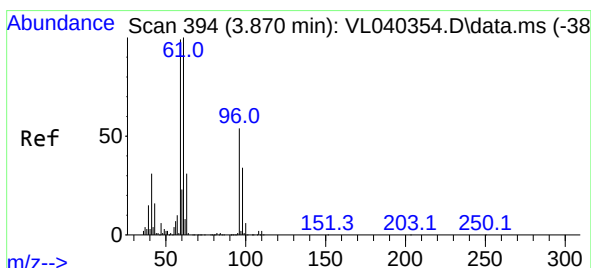
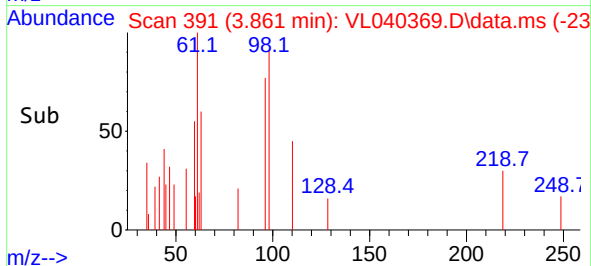
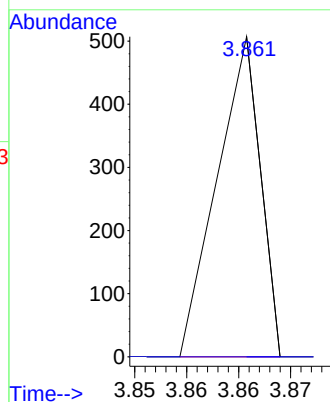
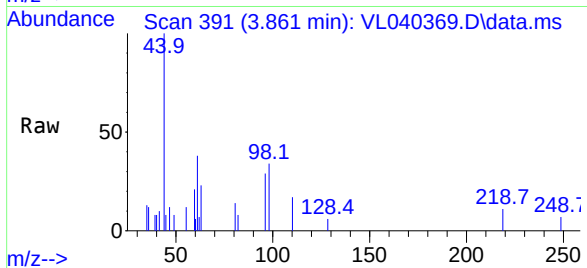
VIBLK

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.030 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

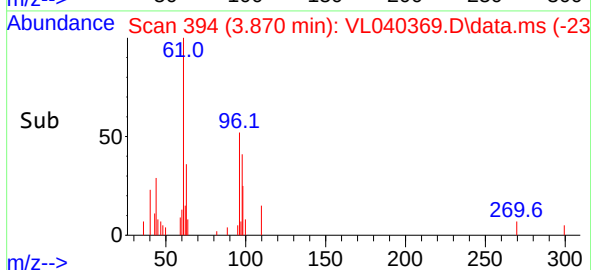
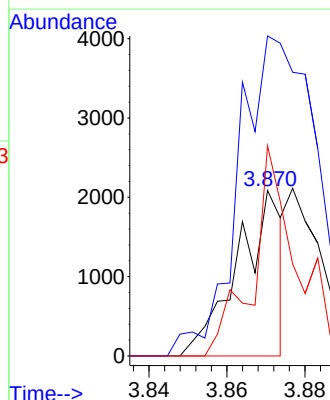
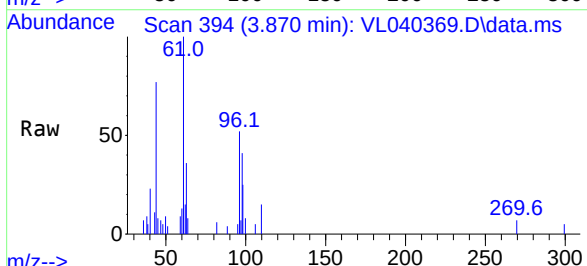
Tgt Ion: 96 Resp: 1643

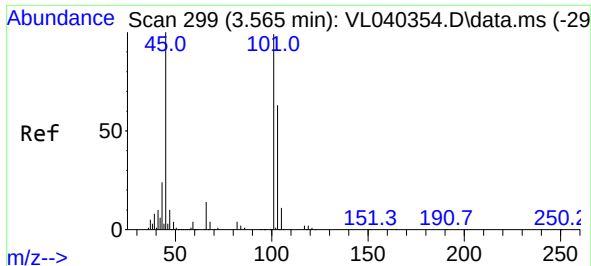
Ion Ratio Lower Upper

96 100

61 180.3 148.3 222.5

98 127.1 49.8 74.8#

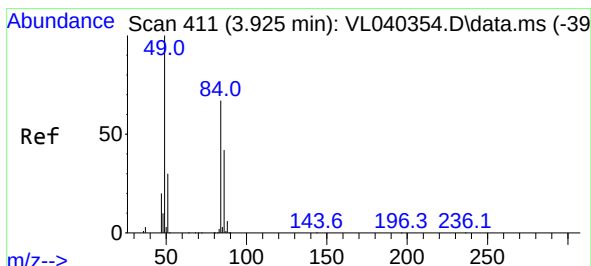
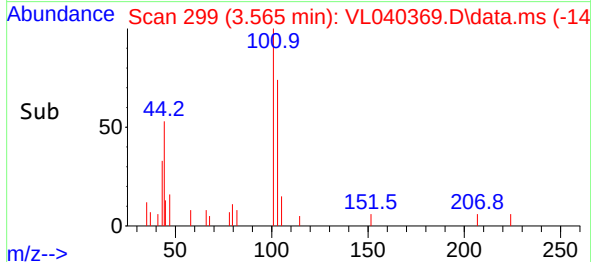
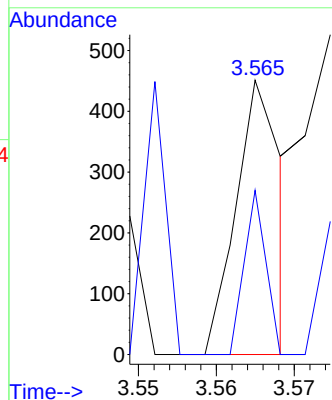
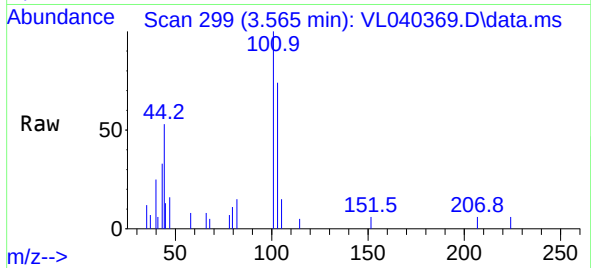




#19
Isopropyl Alcohol
Concen: 0.003 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

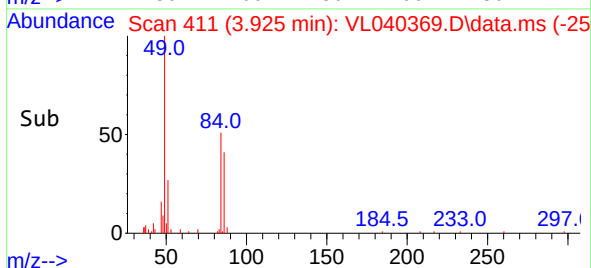
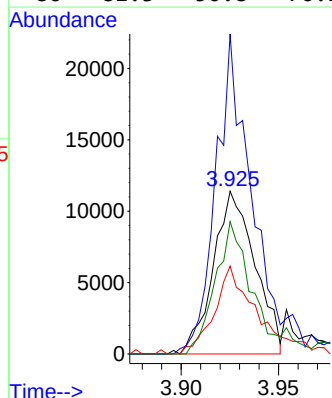
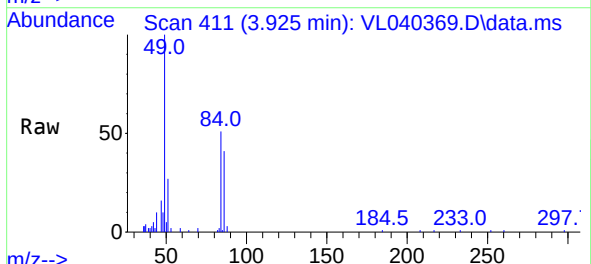
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

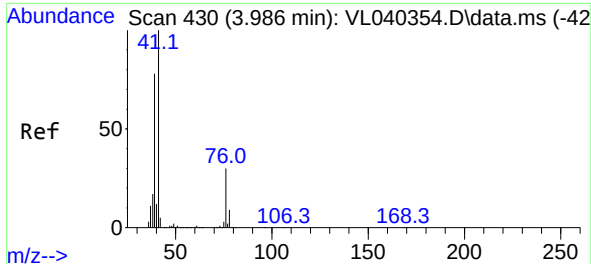
Tgt Ion: 45 Resp: 185
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0#



#20
Methylene Chloride
Concen: 0.318 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 84 Resp: 16935
Ion Ratio Lower Upper
84 100
49 193.4 120.1 180.1#
51 54.0 36.3 54.5
86 81.3 50.8 76.2#





#21

Allyl Chloride

Concen: 0.032 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

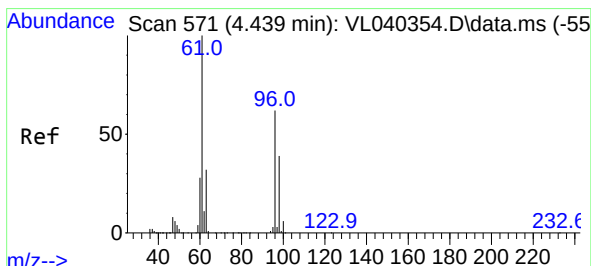
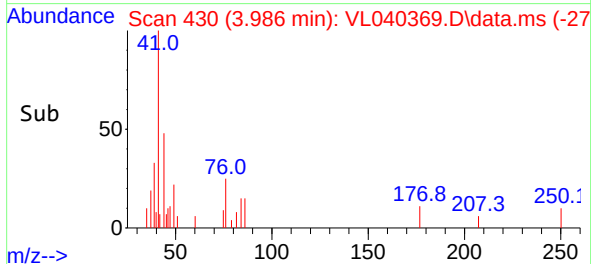
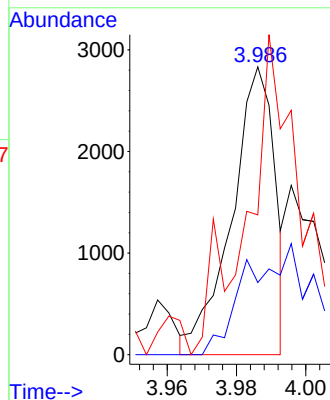
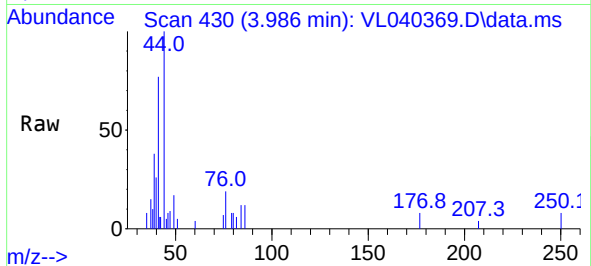
Tgt Ion: 41 Resp: 2453

Ion Ratio Lower Upper

41 100

76 0.0 25.5 38.3#

39 179.5 64.0 96.0#



#22

trans-1,2-Dichloroethene

Concen: 0.013 ppbv

RT: 4.440 min Scan# 571

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

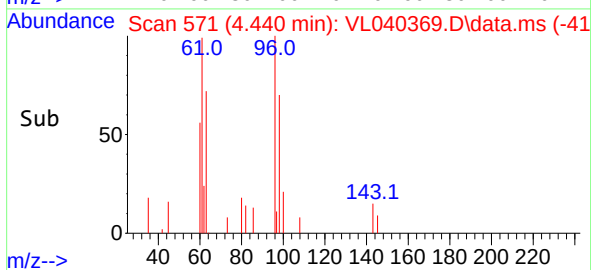
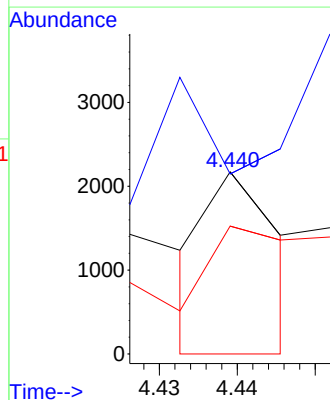
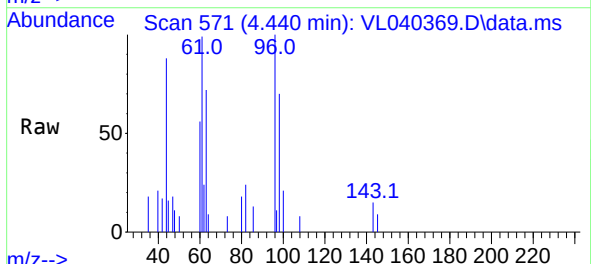
Tgt Ion: 96 Resp: 692

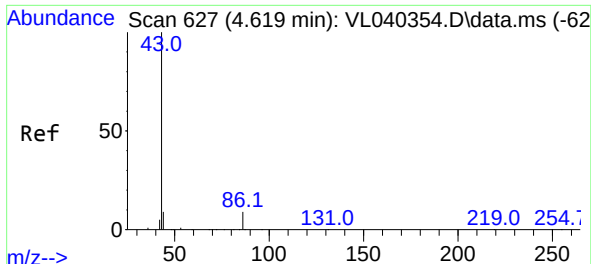
Ion Ratio Lower Upper

96 100

61 0.0 129.4 194.2#

98 108.2 51.0 76.4#



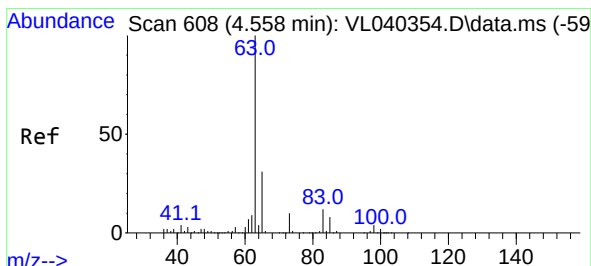
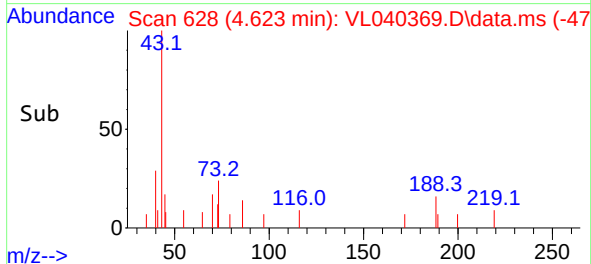
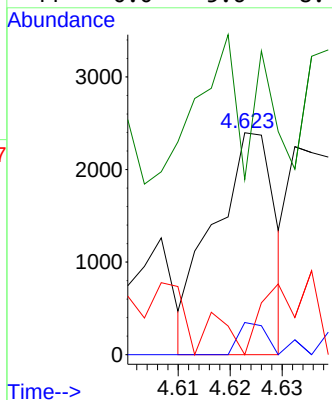
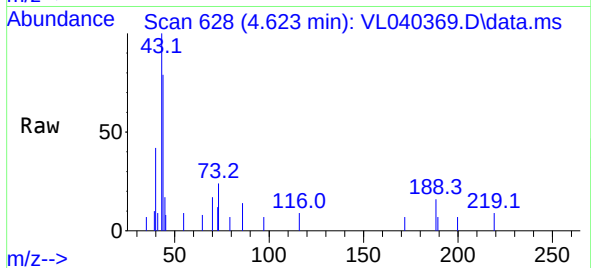


#23
 Vinyl Acetate
 Concen: 0.057 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Instrument :
 MSVOA_1
 ClientSampleId :
 VIBLK

Tgt Ion: 43 Resp: 1954

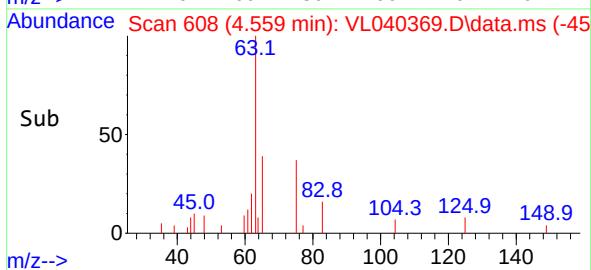
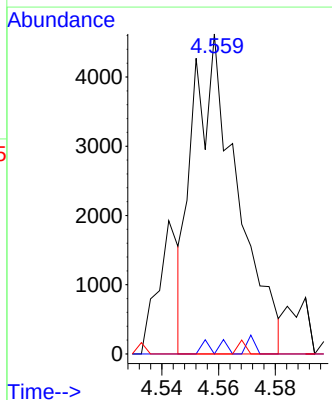
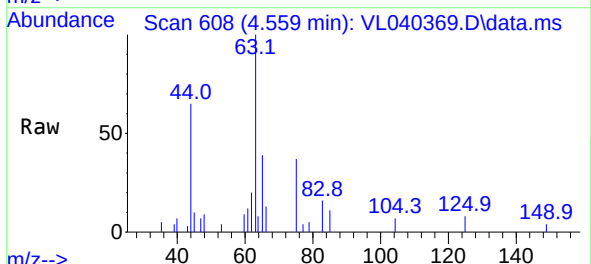
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.0	9.0#
42	0.0	6.4	9.6#
44	0.0	5.6	8.4#

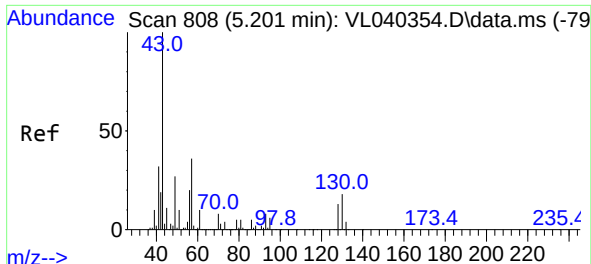


#24
 1,1-Dichloroethane
 Concen: 0.044 ppbv
 RT: 4.559 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion: 63 Resp: 5002

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.2	3.6#



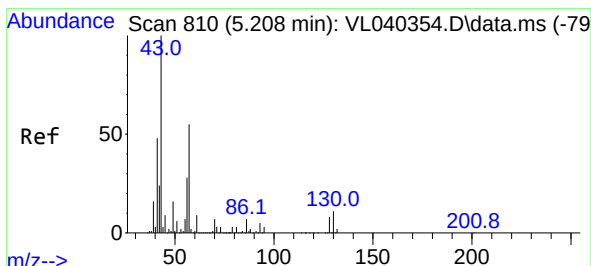
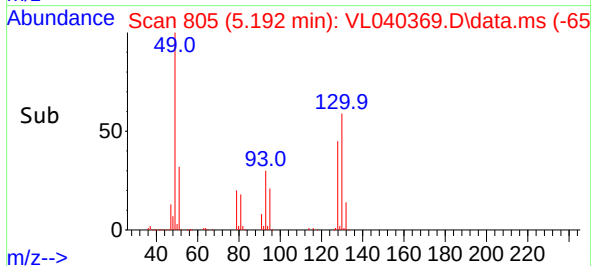
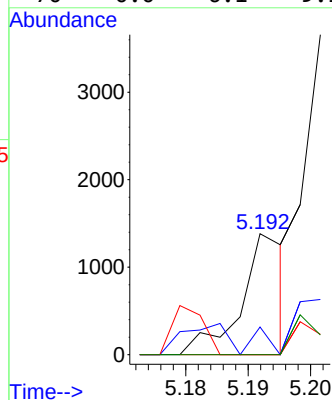
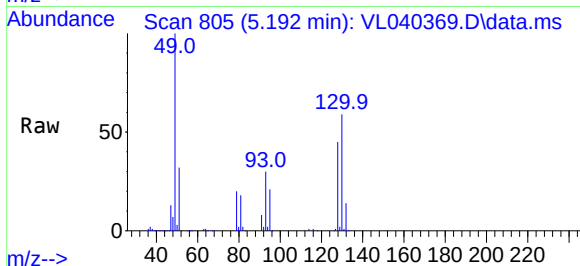


#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 679

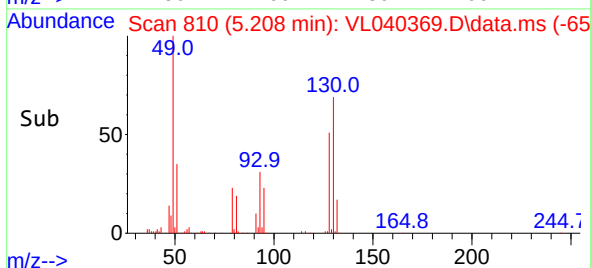
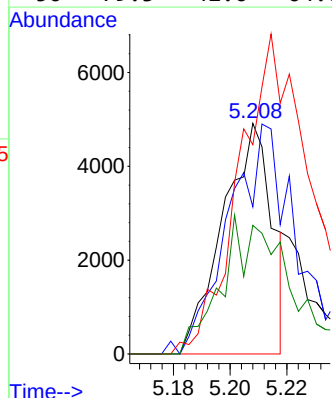
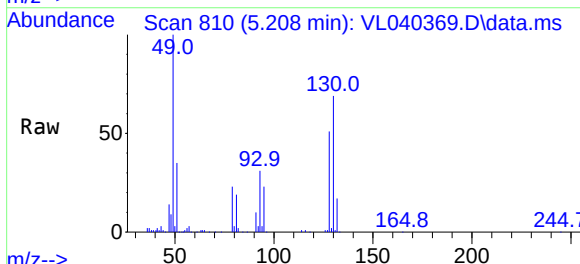
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	0.0	8.5	12.7#
70	0.0	6.1	9.1#

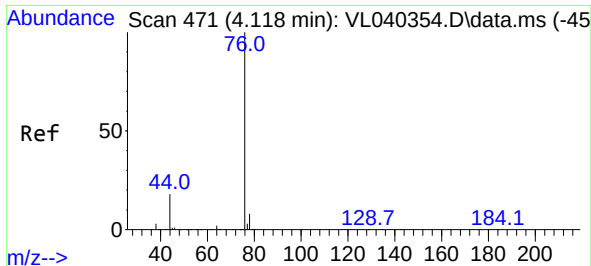


#26
Hexane
Concen: 0.062 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 57 Resp: 5907

Ion	Ratio	Lower	Upper
57	100		
41	142.8	74.8	112.2#
43	223.2	192.7	289.1
56	79.3	42.6	64.0#

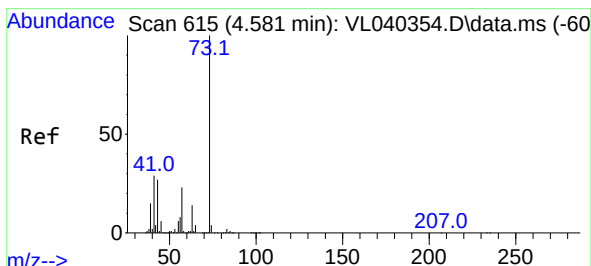
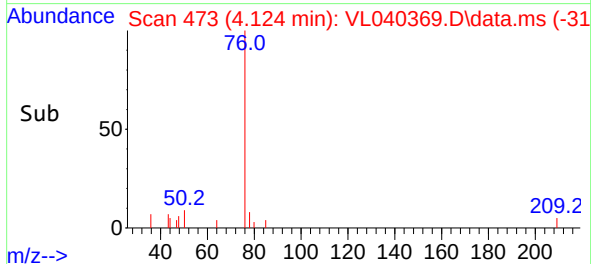
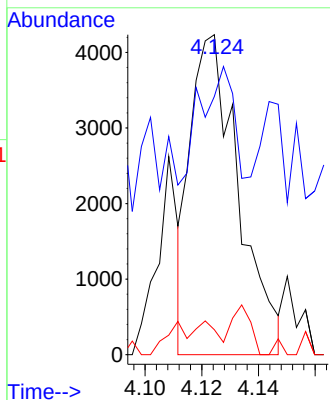
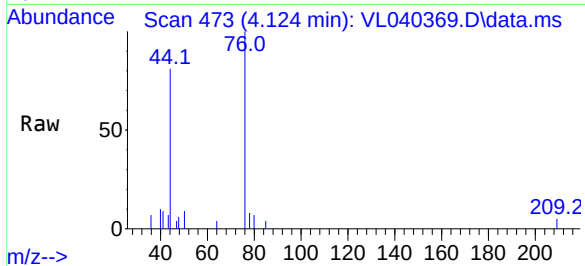




#27
Carbon Disulfide
Concen: 0.041 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

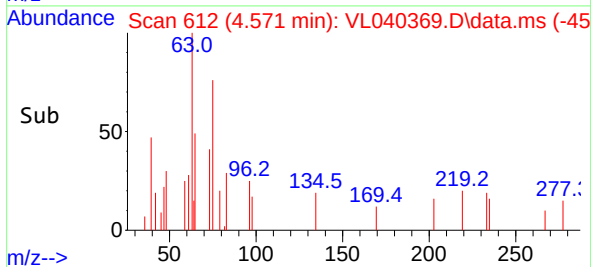
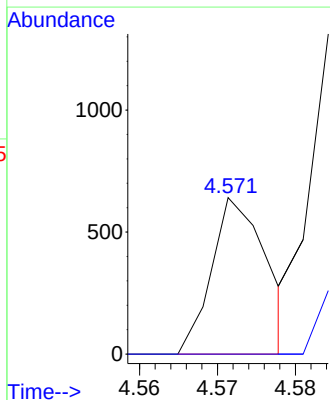
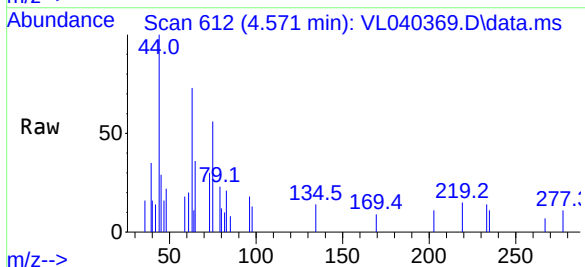
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

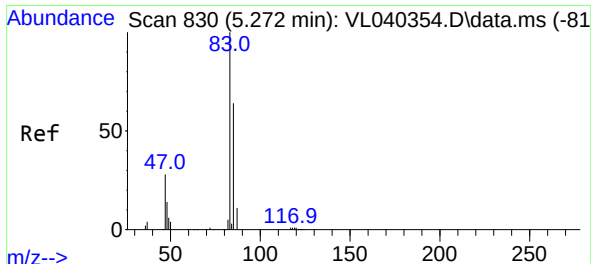
Tgt Ion: 76 Resp: 4976
Ion Ratio Lower Upper
76 100
44 113.2 14.7 22.1#
78 9.9 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 0.003 ppbv
RT: 4.571 min Scan# 612
Delta R.T. -0.010 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 73 Resp: 317
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8#





#29

Chloroform

Concen: 0.026 ppbv

RT: 5.263 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

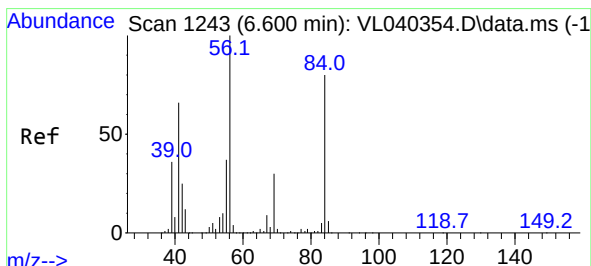
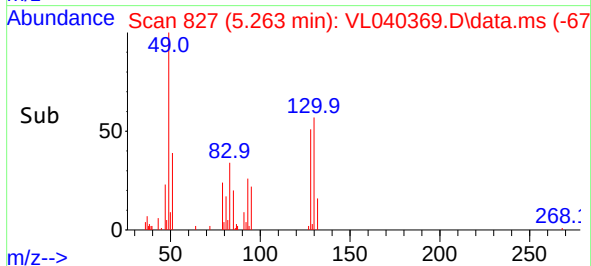
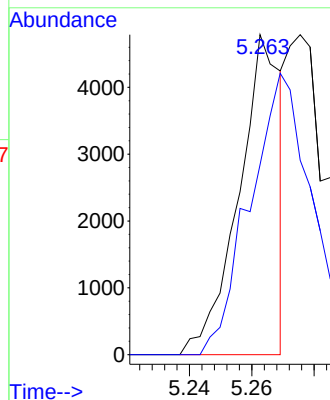
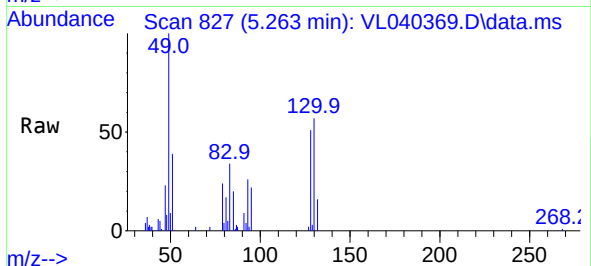
VIBLK

Tgt Ion: 83 Resp: 4463

Ion Ratio Lower Upper

83 100

85 59.3 51.0 76.4



#30

Cyclohexane

Concen: 0.008 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

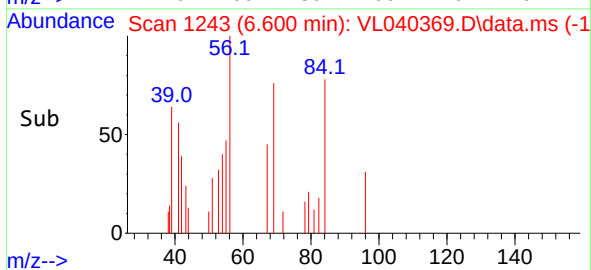
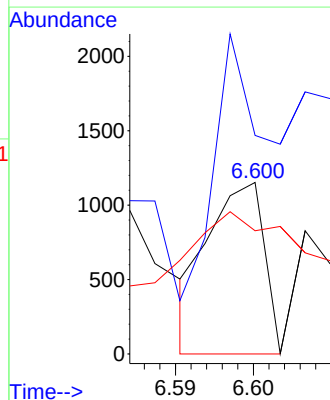
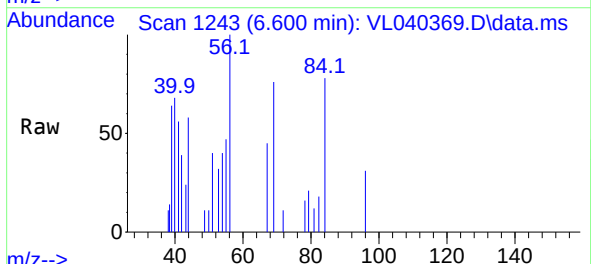
Tgt Ion: 84 Resp: 571

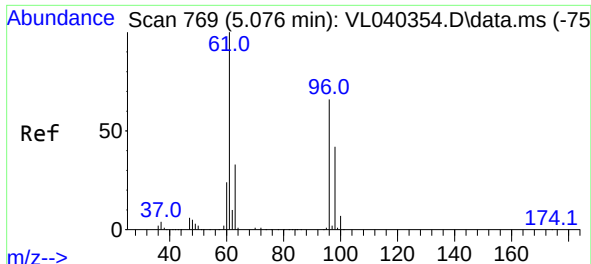
Ion Ratio Lower Upper

84 100

56 0.0 107.0 160.6#

41 336.8 66.7 100.1#

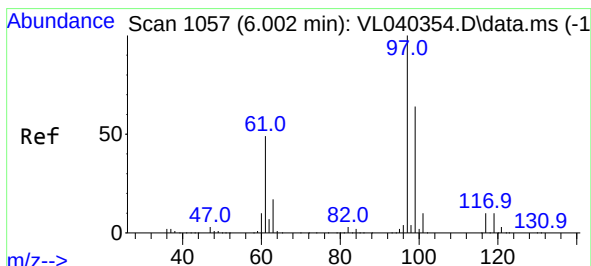
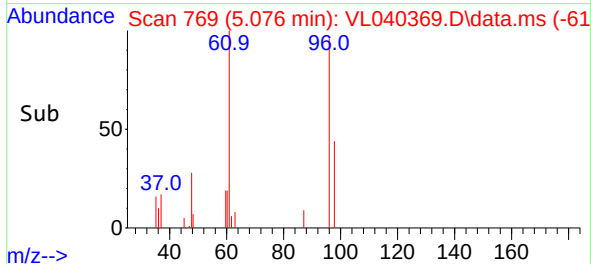
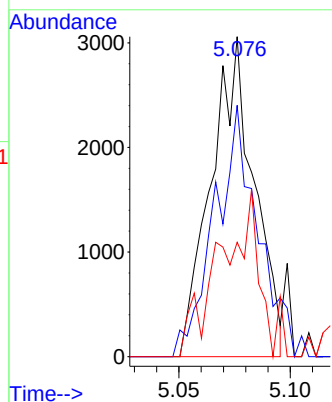
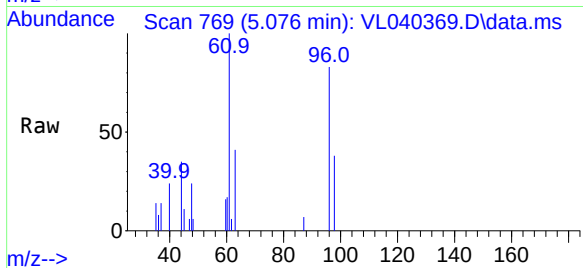




#31
 cis-1,2-Dichloroethene
 Concen: 0.044 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

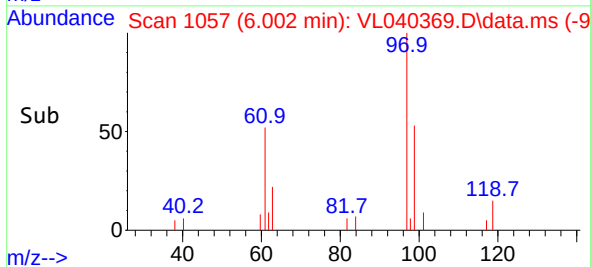
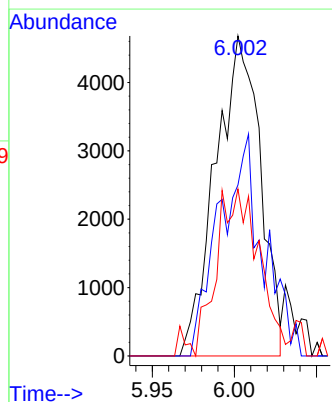
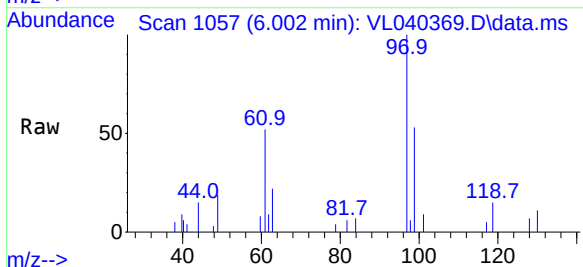
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

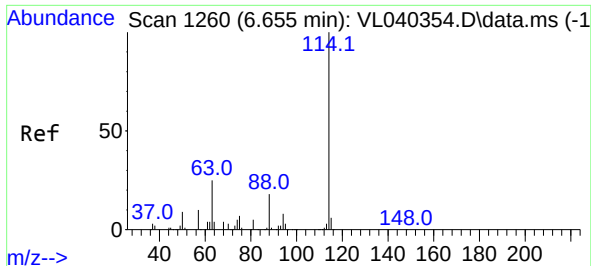
Tgt Ion: 61 Resp: 4118
 Ion Ratio Lower Upper
 61 100
 96 70.2 53.0 79.4
 98 35.8 33.8 50.8



#32
 1,1,1-Trichloroethane
 Concen: 0.054 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion: 97 Resp: 8864
 Ion Ratio Lower Upper
 97 100
 99 67.5 51.8 77.8
 61 54.4 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

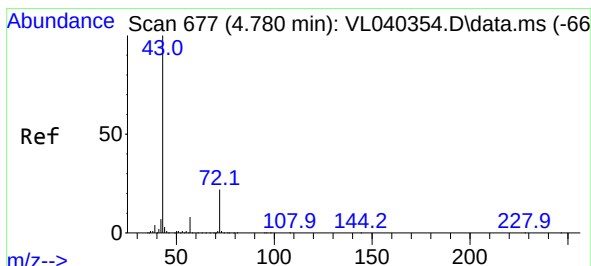
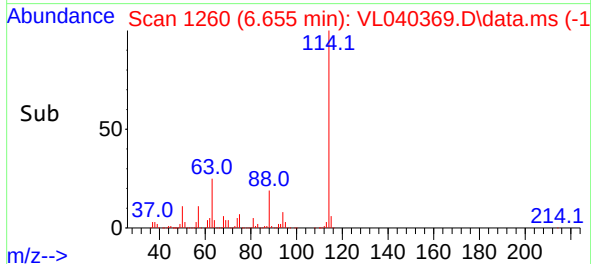
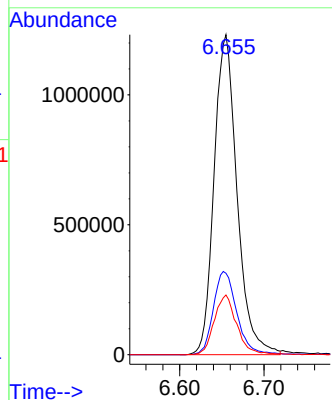
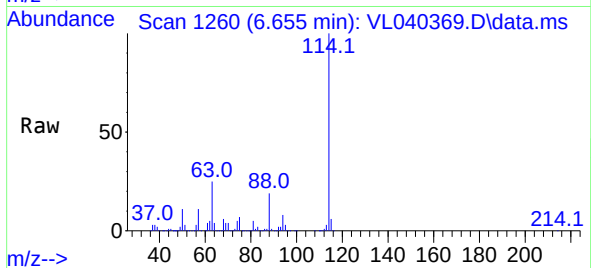
Tgt Ion:114 Resp: 2330302

Ion Ratio Lower Upper

114 100

63 26.9 21.4 32.0

88 18.5 14.6 22.0



#34

2-Butanone

Concen: 0.057 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.029 min

Lab File: VL040369.D

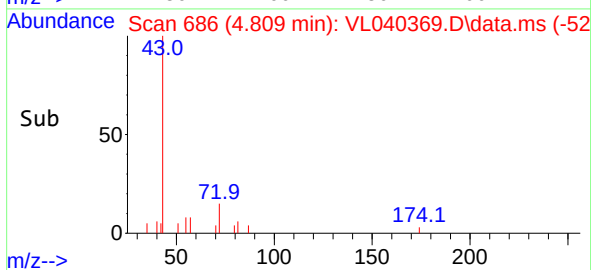
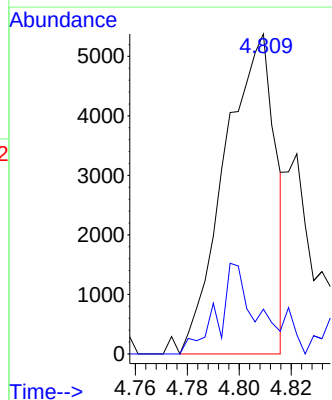
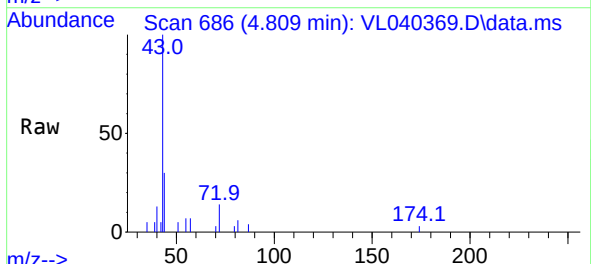
Acq: 13 Apr 2023 22:24

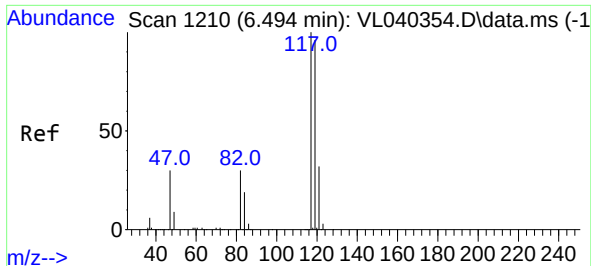
Tgt Ion: 43 Resp: 7223

Ion Ratio Lower Upper

43 100

72 27.0 18.4 27.6

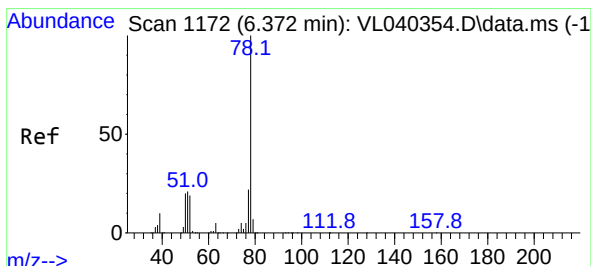
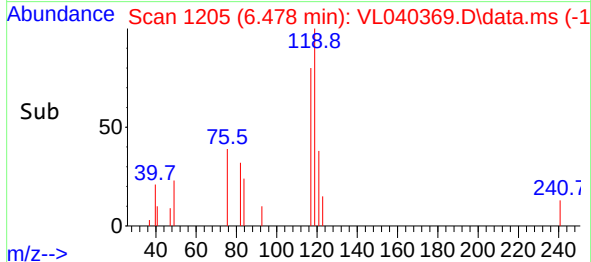
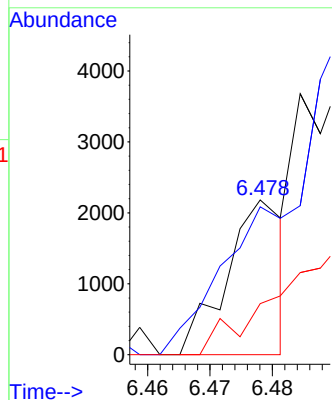
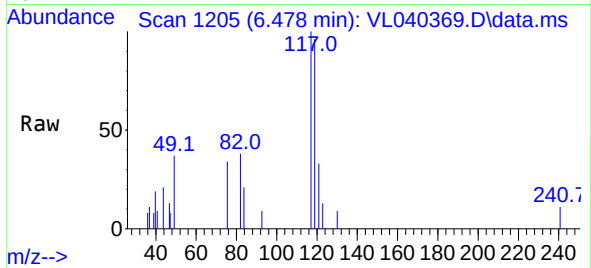




#35
Carbon Tetrachloride
Concen: 0.009 ppbv
RT: 6.478 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

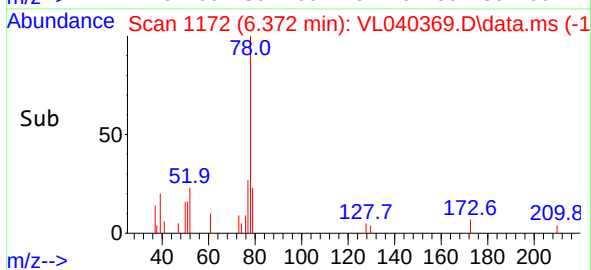
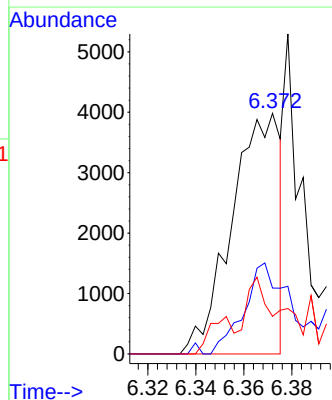
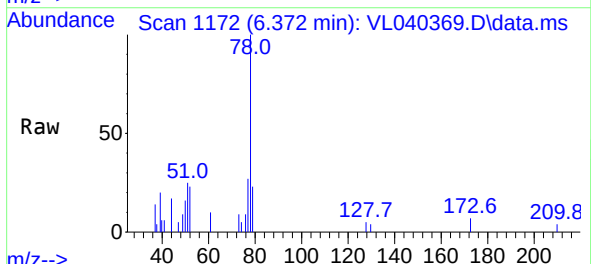
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

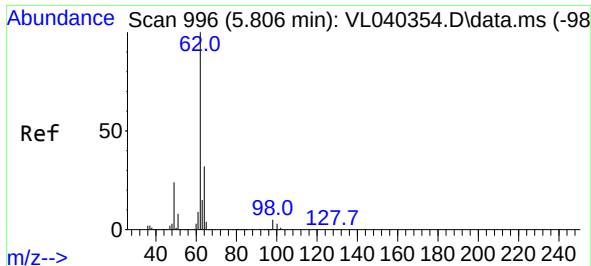
Tgt Ion:117 Resp: 1398
Ion Ratio Lower Upper
117 100
119 78.5 76.6 114.8
121 33.0 25.3 37.9



#36
Benzene
Concen: 0.029 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 78 Resp: 5600
Ion Ratio Lower Upper
78 100
77 27.4 17.8 26.8#
50 15.6 15.6 23.4





#37

1,2-Dichloroethane

Concen: 0.008 ppbv

RT: 5.809 min Scan# 996

Delta R.T. 0.003 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

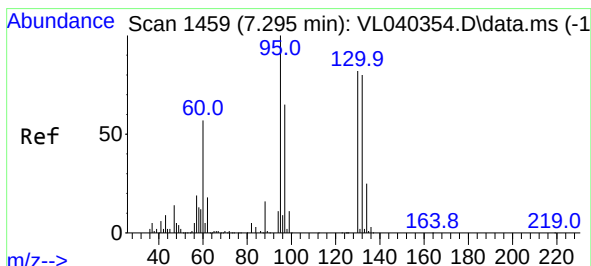
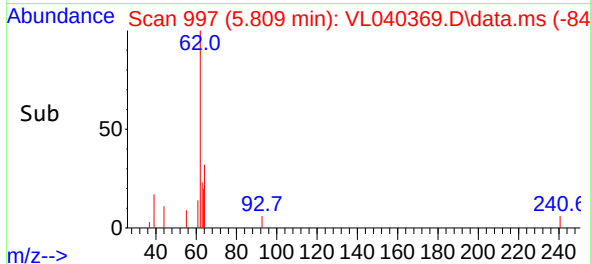
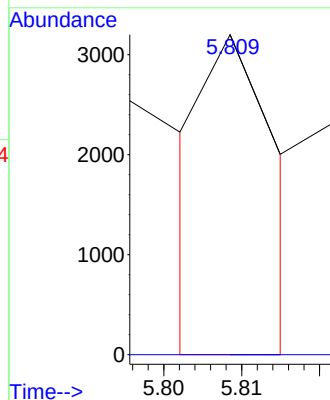
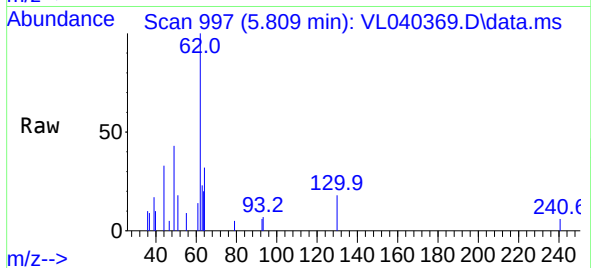
VIBLK

Tgt Ion: 62 Resp: 1004

Ion Ratio Lower Upper

62 100

98 0.0 4.4 6.6#



#38

Trichloroethene

Concen: 0.018 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Tgt Ion:130 Resp: 1992

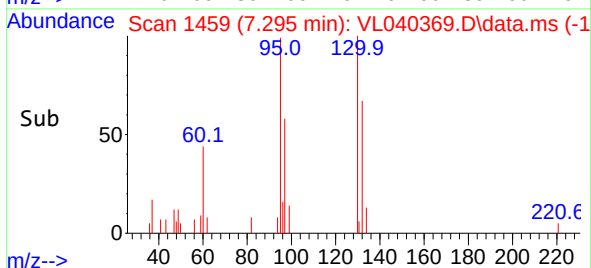
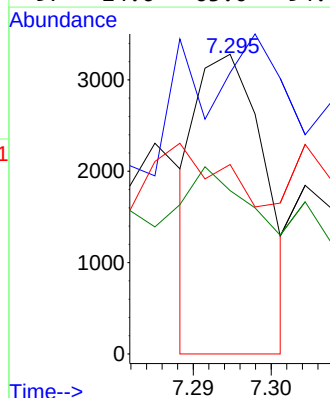
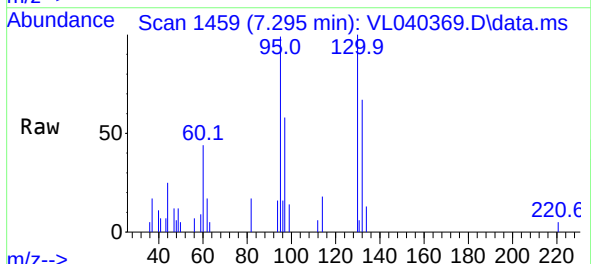
Ion Ratio Lower Upper

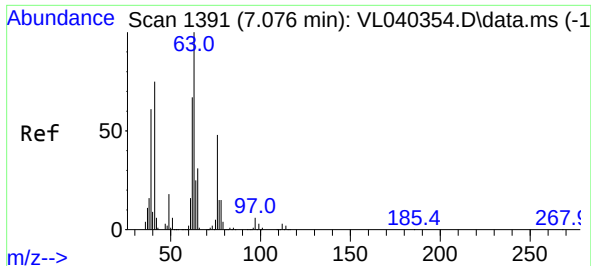
130 100

95 3.1 97.4 146.0#

132 21.3 77.5 116.3#

97 24.6 63.0 94.4#





#39

1,2-Dichloropropane

Concen: 8.268 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

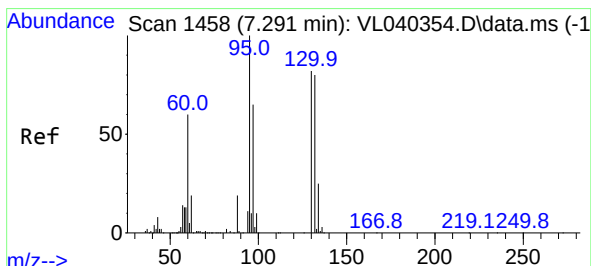
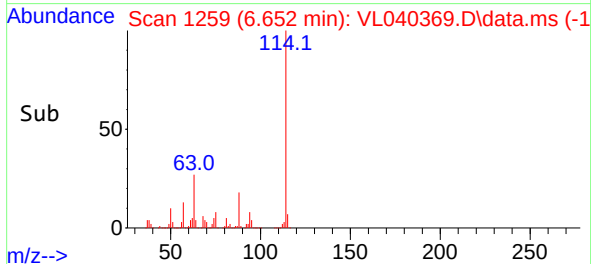
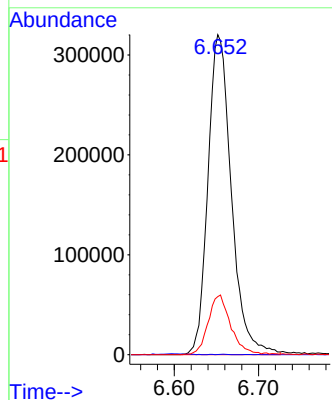
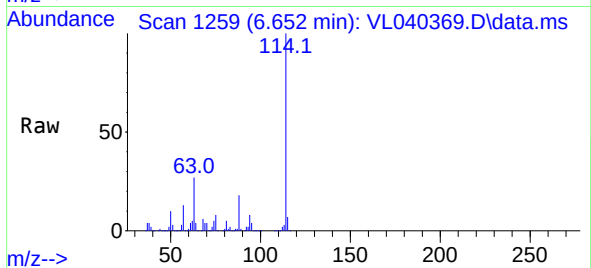
Tgt Ion: 63 Resp: 618556

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 18.1 53.9 80.9#



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. 0.032 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Tgt Ion: 88 Resp: 117

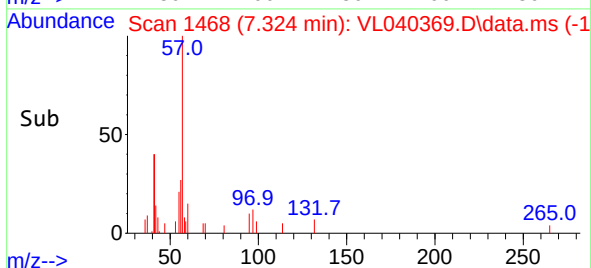
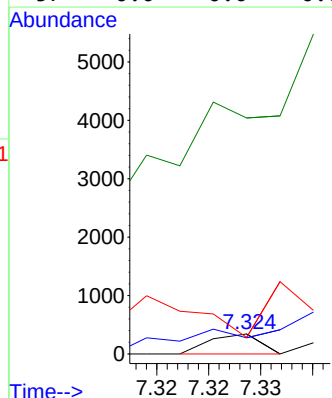
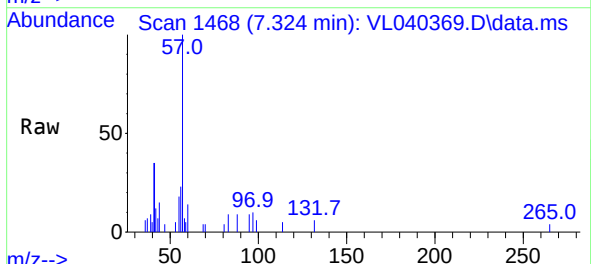
Ion Ratio Lower Upper

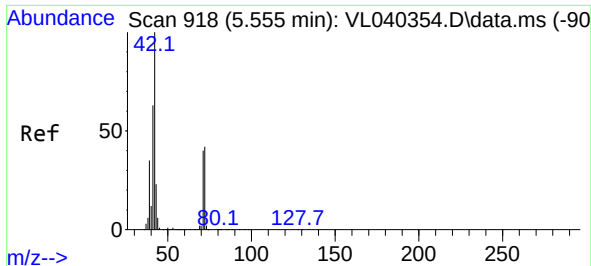
88 100

58 0.0 100.8 151.2#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.002 ppbv

RT: 5.562 min Scan# 91

Delta R.T. 0.007 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

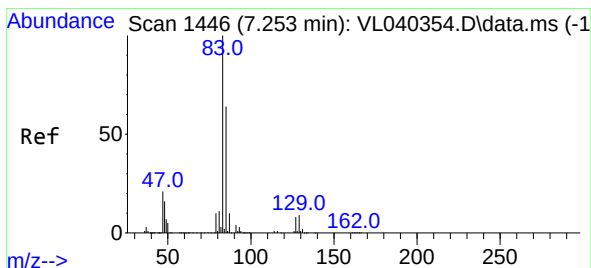
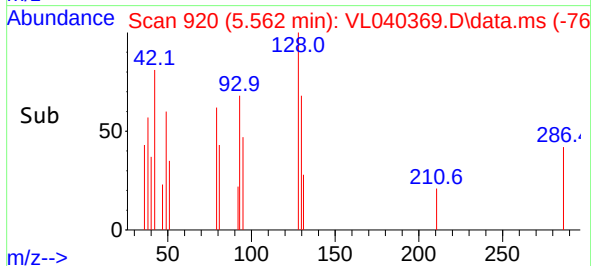
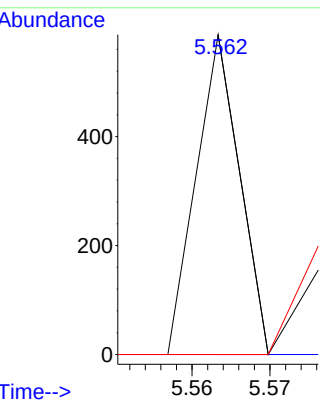
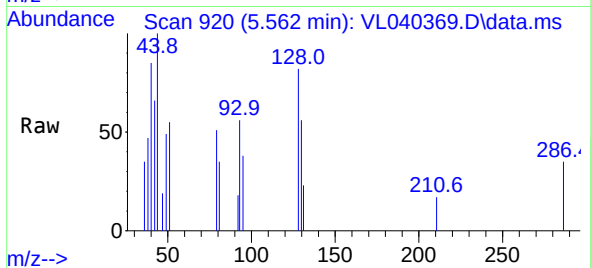
Tgt Ion: 42 Resp: 113

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.2 48.2#



#42

Bromodichloromethane

Concen: 0.018 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. 0.003 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

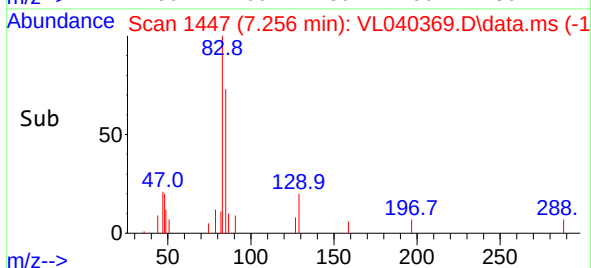
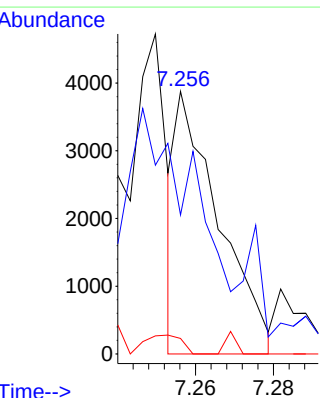
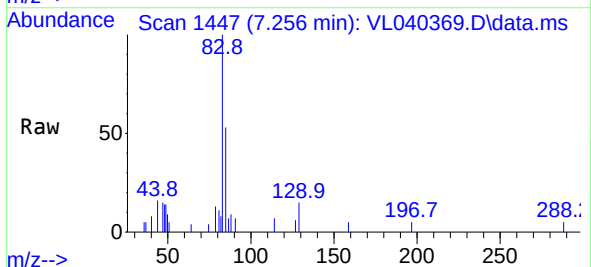
Tgt Ion: 83 Resp: 3005

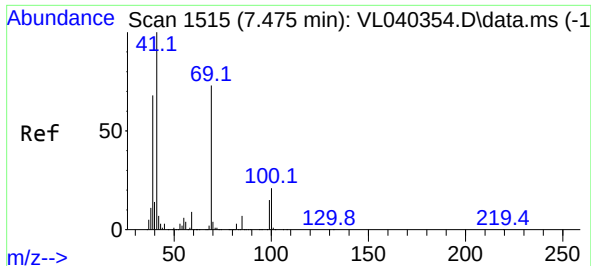
Ion Ratio Lower Upper

83 100

85 50.7 50.9 76.3#

127 6.5 6.4 9.6

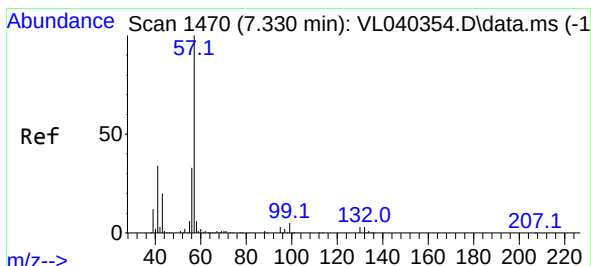
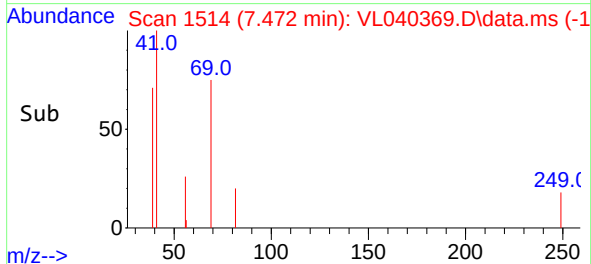
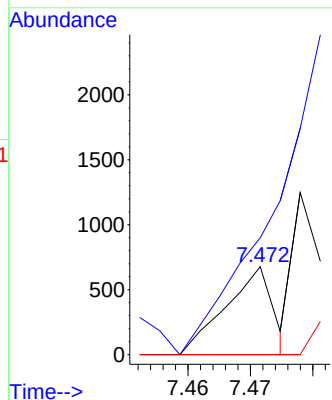
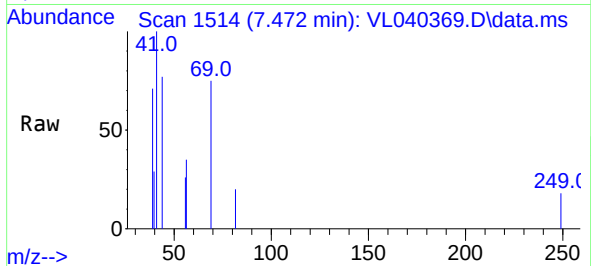




#43
Methyl Methacrylate
Concen: 0.005 ppbv
RT: 7.472 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

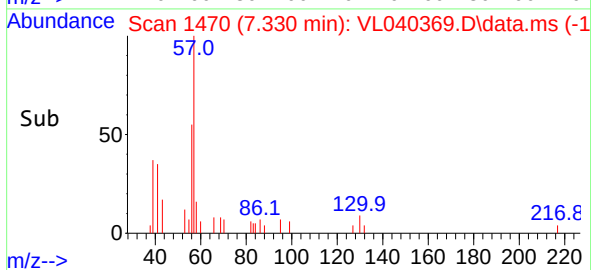
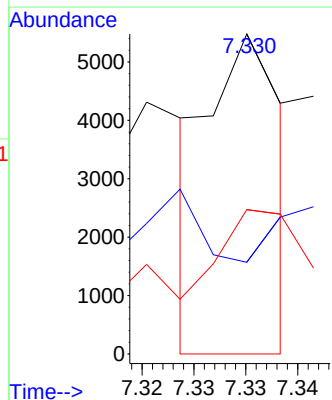
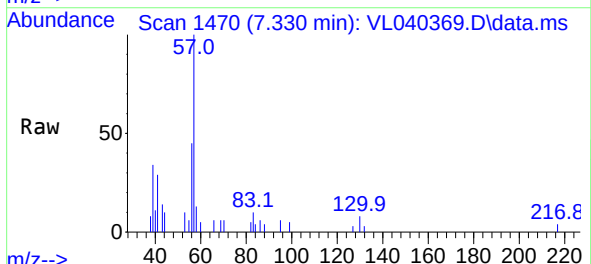
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

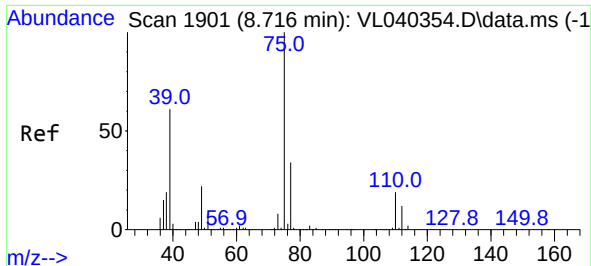
Tgt Ion: 69 Resp: 355
Ion Ratio Lower Upper
69 100
41 0.0 114.3 171.5#
100 0.0 24.5 36.7#



#44
2,2,4-Trimethylpentane
Concen: 0.008 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 57 Resp: 2673
Ion Ratio Lower Upper
57 100
41 0.0 26.9 40.3#
56 153.7 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 8.716 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

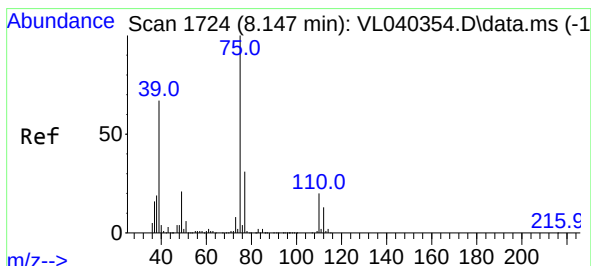
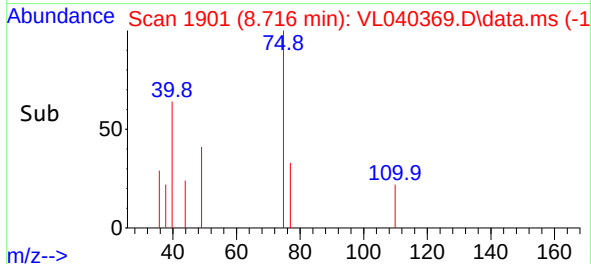
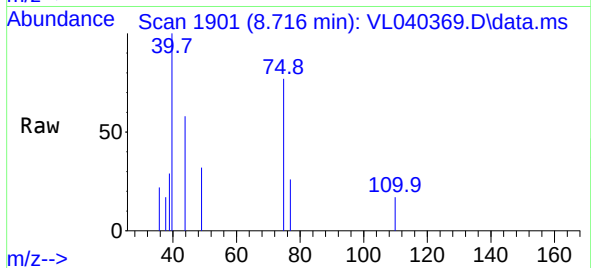
VIBLK

Tgt Ion: 75 Resp: 418

Ion Ratio Lower Upper

75 100

77 33.5 26.8 40.2



#46

cis-1,3-Dichloropropene

Concen: 0.021 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

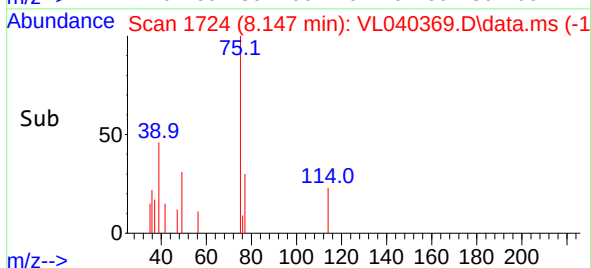
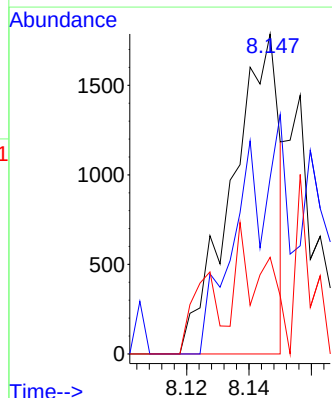
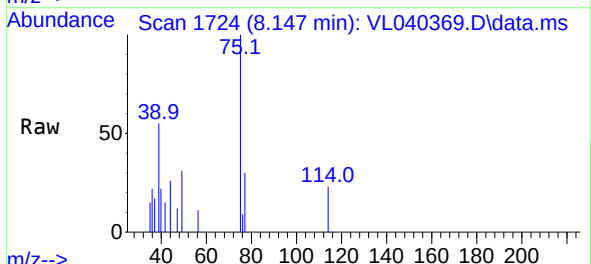
Tgt Ion: 75 Resp: 1881

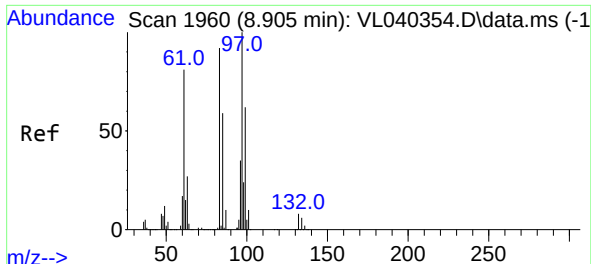
Ion Ratio Lower Upper

75 100

39 55.0 53.4 80.2

77 30.2 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 0.016 ppbv

RT: 8.906 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 97 Resp: 1314

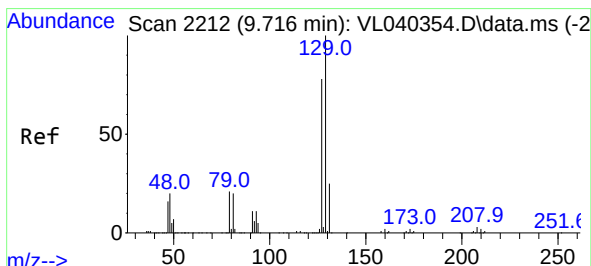
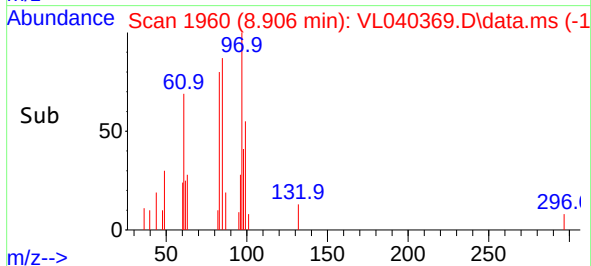
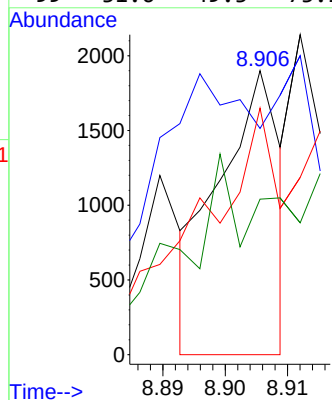
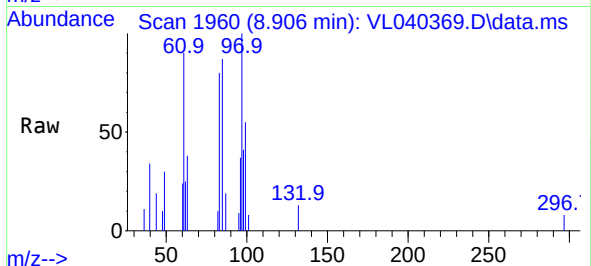
Ion Ratio Lower Upper

97 100

83 0.0 73.3 109.9#

85 83.0 46.9 70.3#

99 31.6 49.3 73.9#



#48

Dibromochloromethane

Concen: 0.012 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.003 min

Lab File: VL040369.D

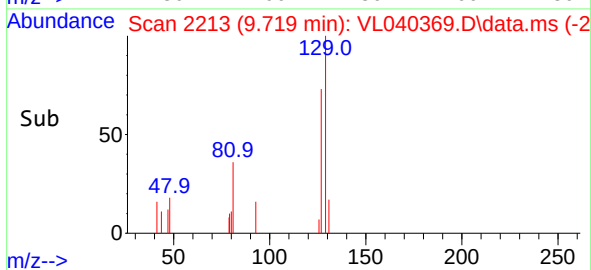
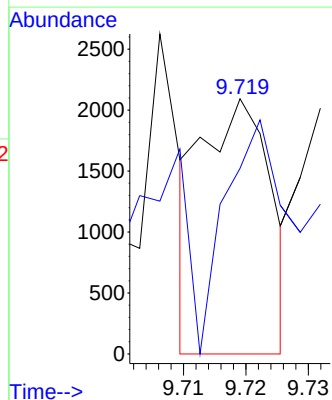
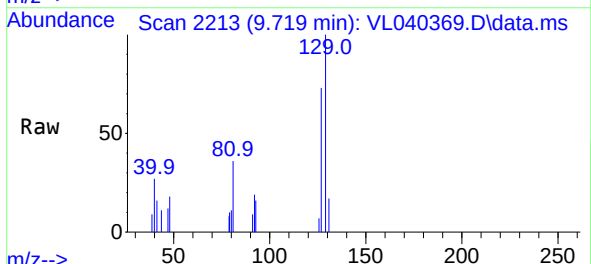
Acq: 13 Apr 2023 22:24

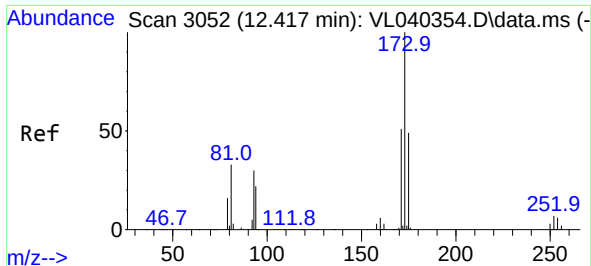
Tgt Ion: 129 Resp: 1616

Ion Ratio Lower Upper

129 100

127 214.4 39.2 117.6#

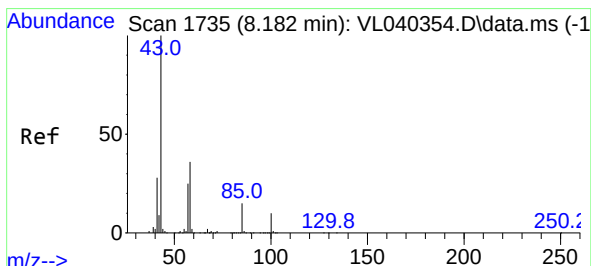
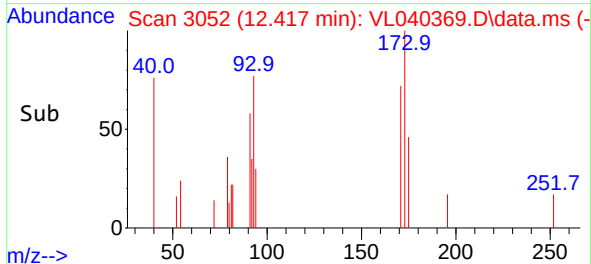
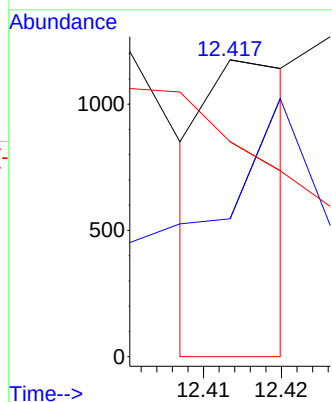
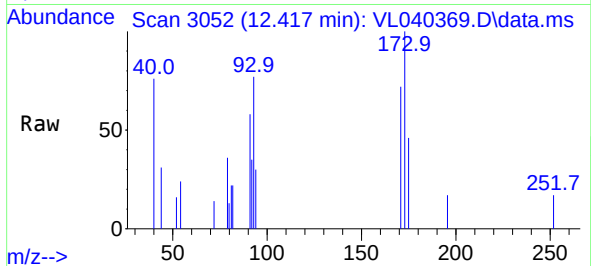




#49
Bromoform
Concen: 0.004 ppbv
RT: 12.417 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

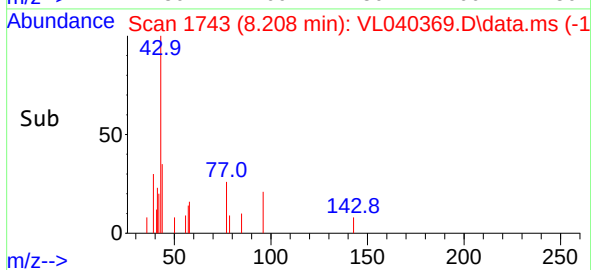
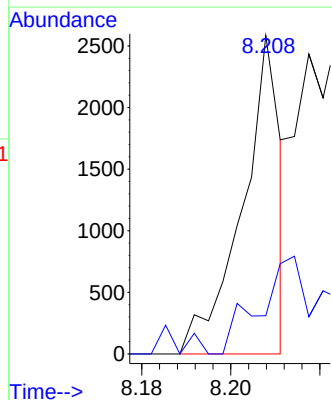
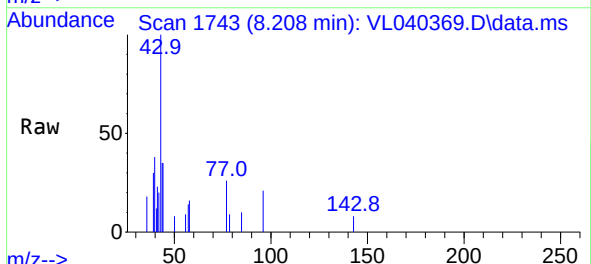
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

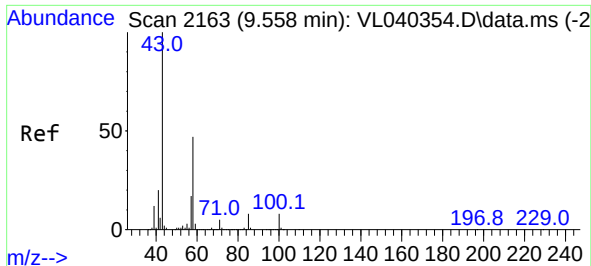
Tgt Ion:173 Resp: 447
Ion Ratio Lower Upper
173 100
175 337.8 39.8 59.8#
171 0.0 42.2 63.2#



#50
4-Methyl-2-Pentanone
Concen: 0.008 ppbv
RT: 8.208 min Scan# 1743
Delta R.T. 0.026 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

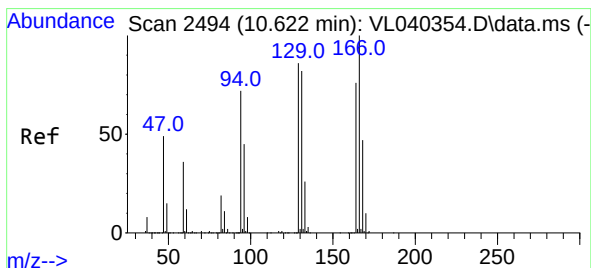
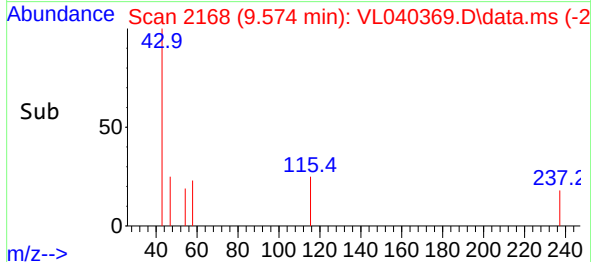
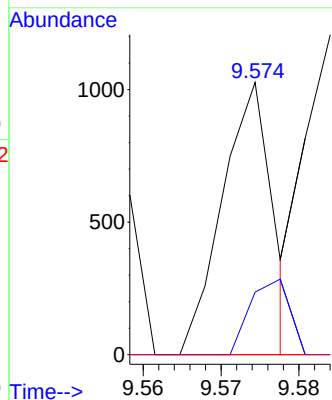
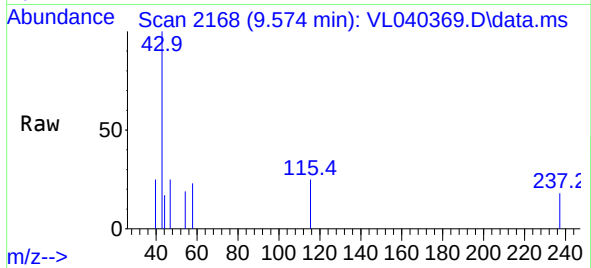




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 9.574 min Scan# 2163
Delta R.T. 0.016 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

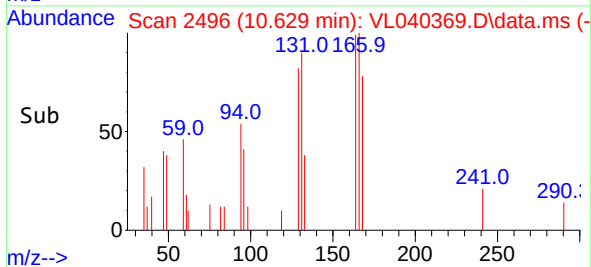
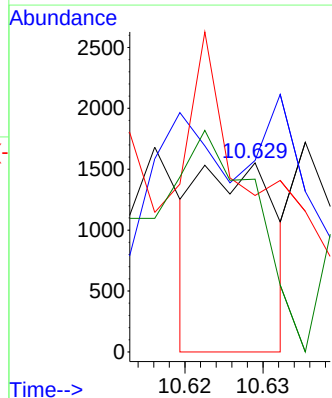
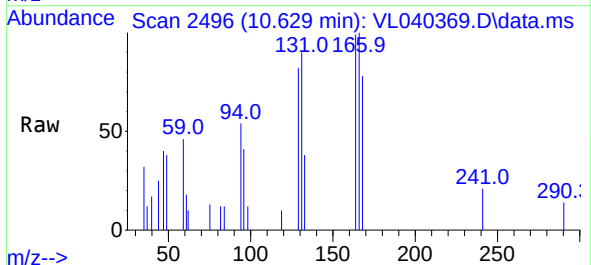
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

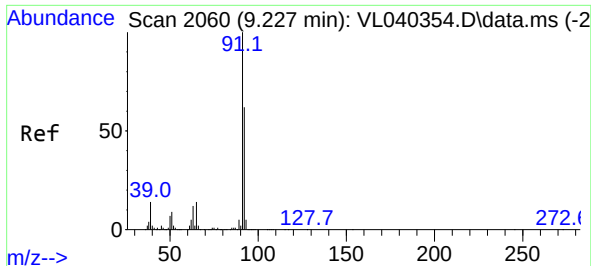
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 0.0 38.3 57.5#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.018 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.007 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 164 Resp: 1050
Ion Ratio Lower Upper
164 100
166 0.0 105.2 157.8#
129 0.0 90.3 135.5#
131 178.6 86.7 130.1#

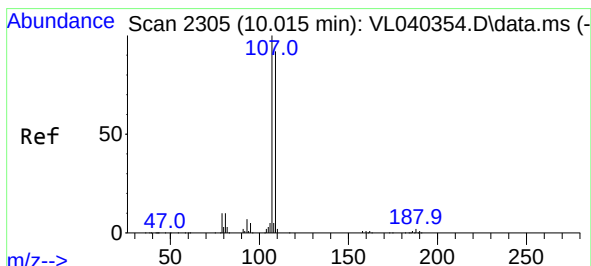
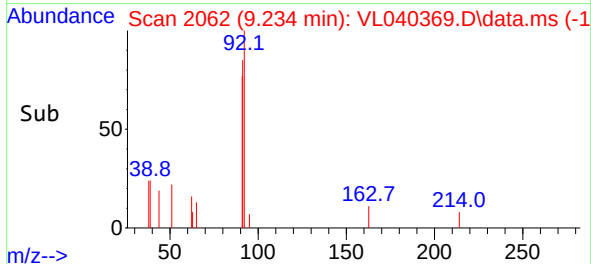
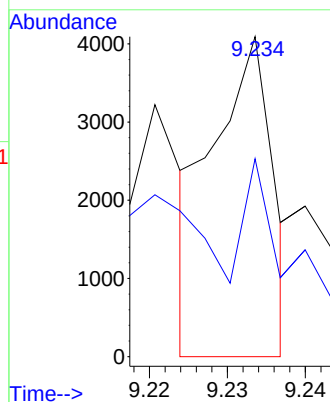
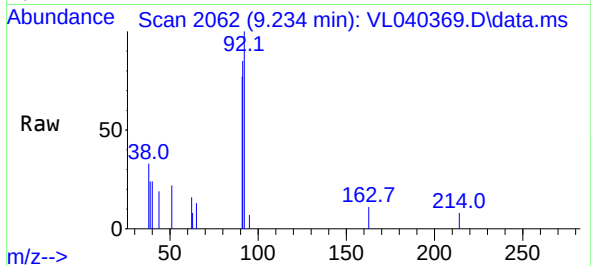




#53
Toluene
Concen: 0.011 ppbv
RT: 9.234 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

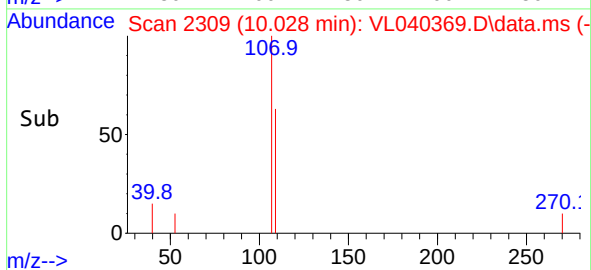
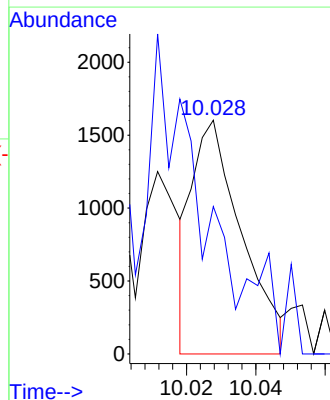
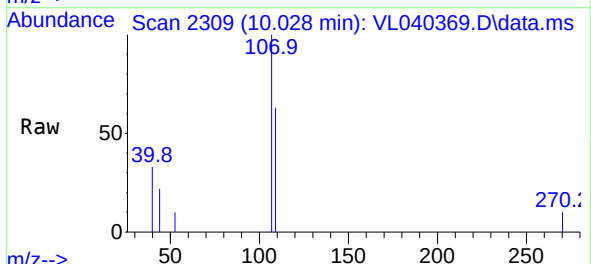
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

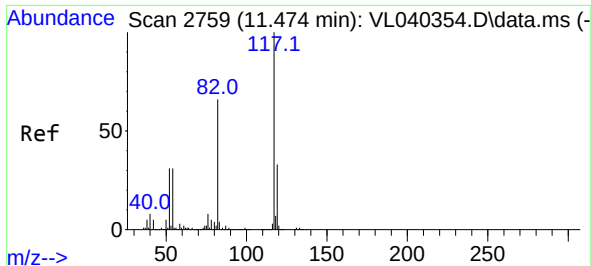
Tgt Ion: 91 Resp: 2194
Ion Ratio Lower Upper
91 100
92 170.4 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.019 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.013 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 107 Resp: 1592
Ion Ratio Lower Upper
107 100
109 74.6 73.6 110.4

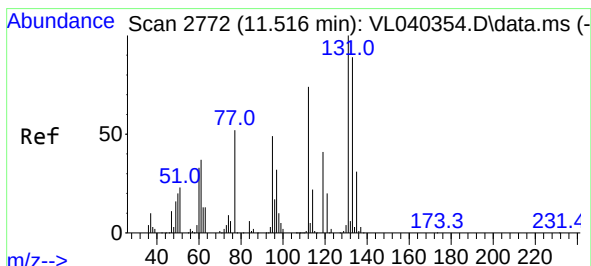
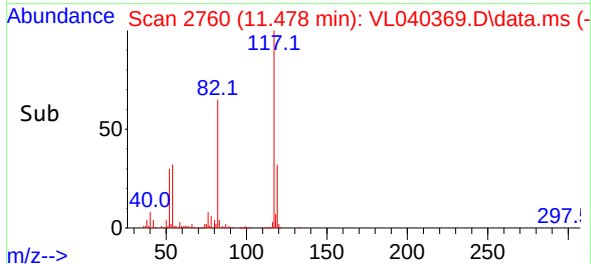
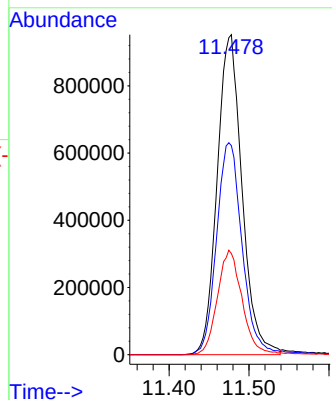
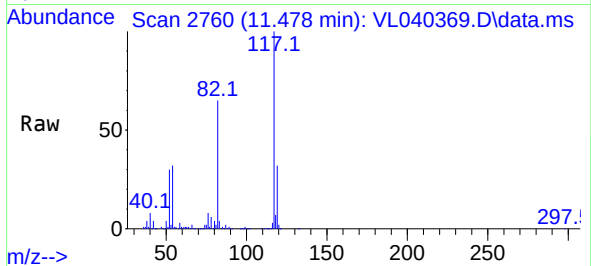




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

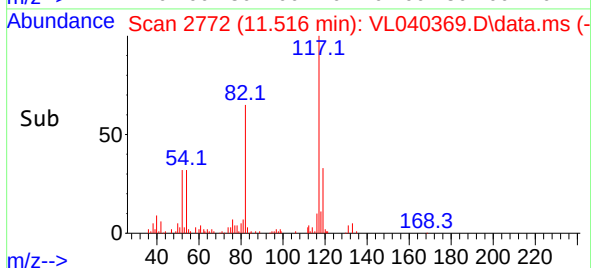
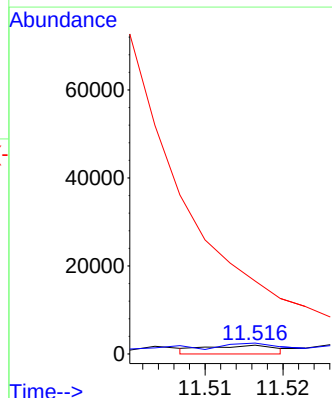
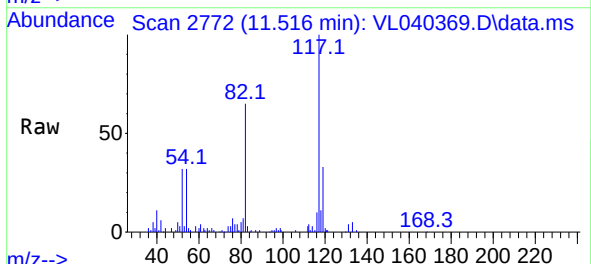
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

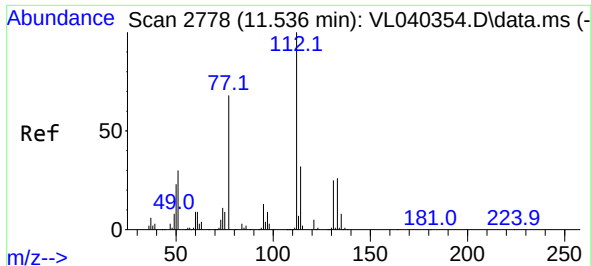
Tgt Ion:117 Resp: 2058210
Ion Ratio Lower Upper
117 100
82 68.9 52.5 78.7
119 32.7 24.3 36.5



#56
1,1,1,2-Tetrachloroethane
Concen: 0.013 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion:131 Resp: 1225
Ion Ratio Lower Upper
131 100
133 378.8 75.3 112.9#
119 0.0 53.9 80.9#

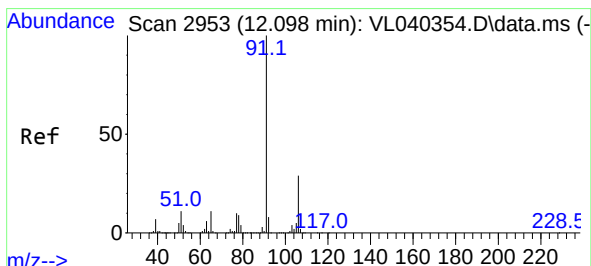
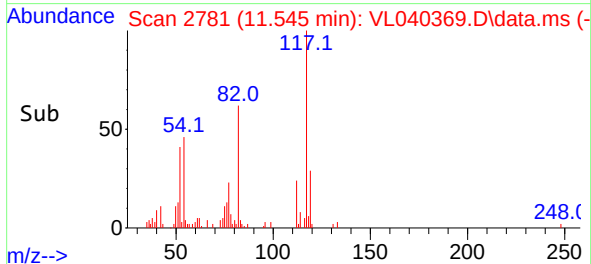
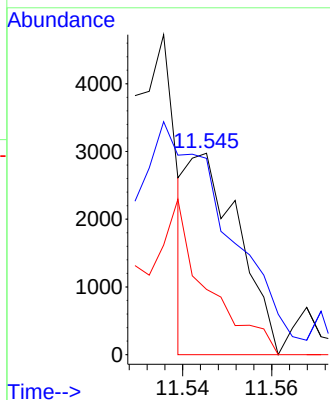
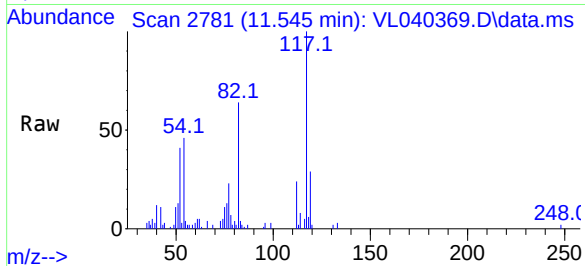




#57
Chlorobenzene
Concen: 0.015 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

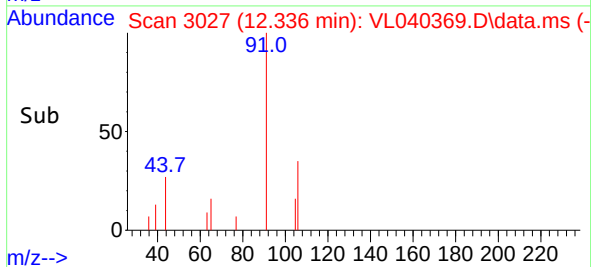
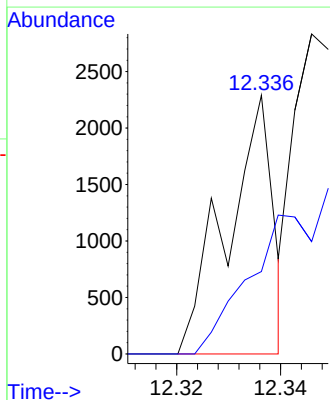
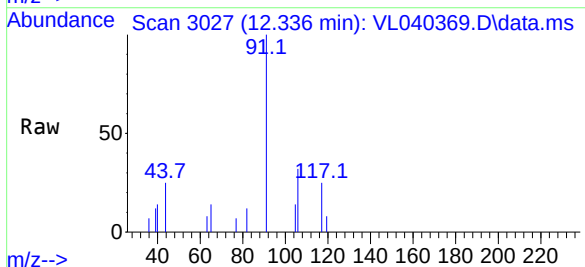
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

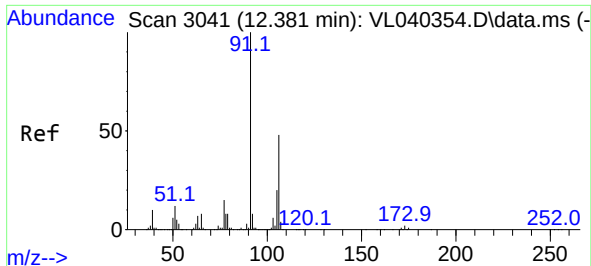
Tgt Ion:	112	Resp:	2358
Ion	Ratio	Lower	Upper
112	100		
77	77.3	55.8	83.8
114	32.4	29.1	35.5



#58
Ethyl Benzene
Concen: 0.006 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. 0.238 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion:	91	Resp:	1416
Ion	Ratio	Lower	Upper
91	100		
106	31.8	23.5	35.3





#59

m/p-Xylene

Concen: 0.013 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

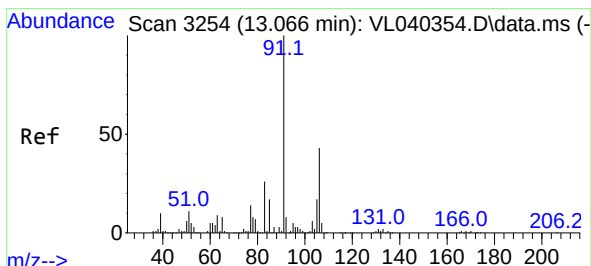
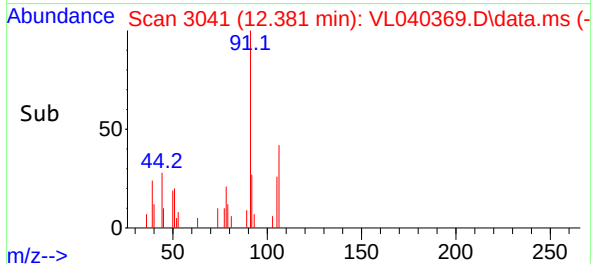
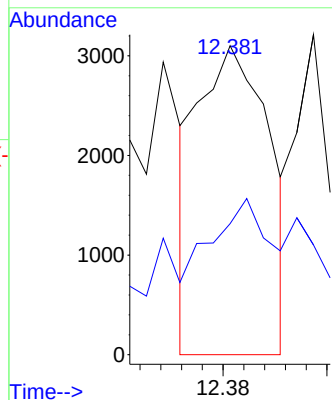
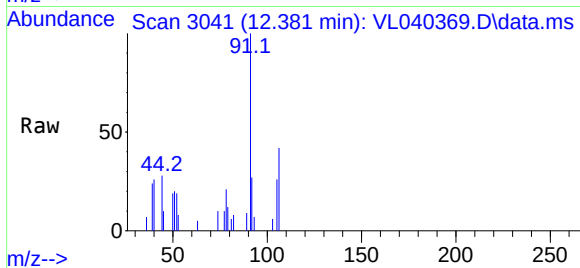
VIBLK

Tgt Ion: 91 Resp: 2962

Ion Ratio Lower Upper

91 100

106 0.0 34.7 52.1#



#60

o-Xylene

Concen: 0.010 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.003 min

Lab File: VL040369.D

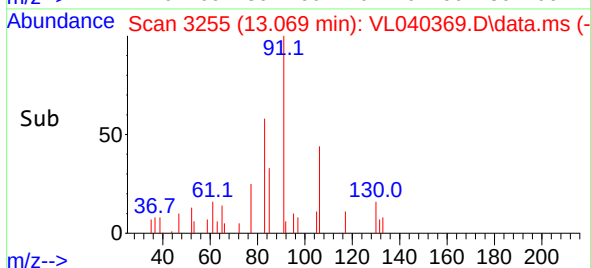
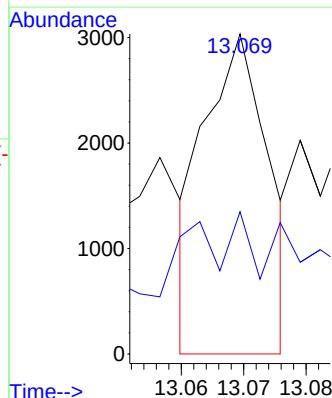
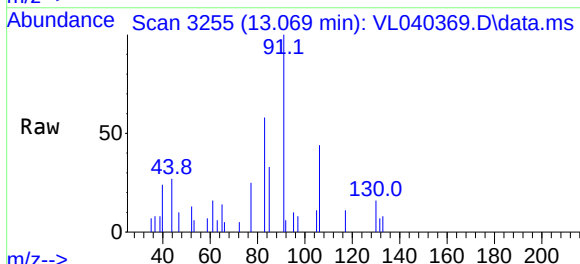
Acq: 13 Apr 2023 22:24

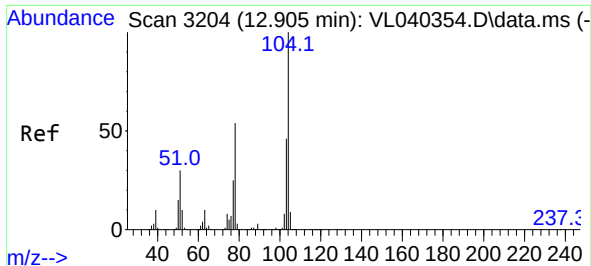
Tgt Ion: 91 Resp: 2168

Ion Ratio Lower Upper

91 100

106 127.4 21.9 65.8#

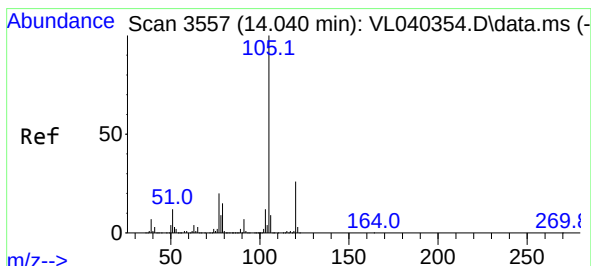
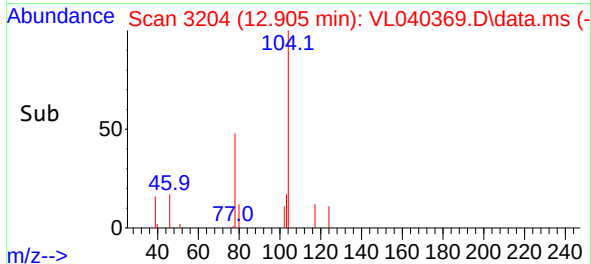
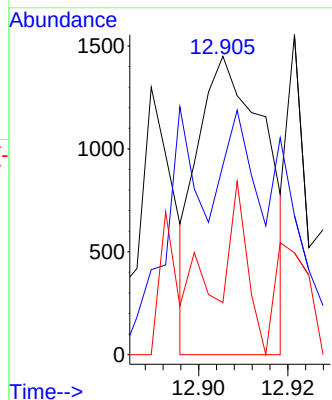
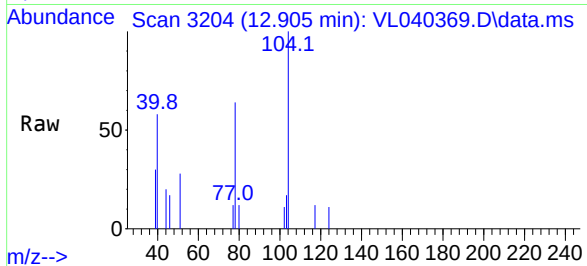




#61
Styrene
Concen: 0.014 ppbv
RT: 12.905 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

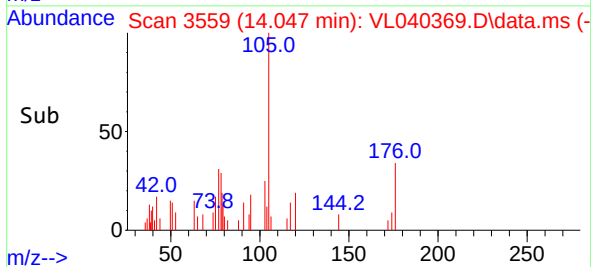
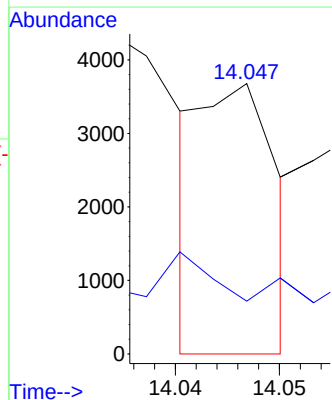
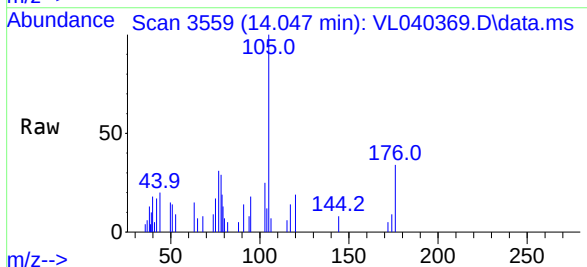
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

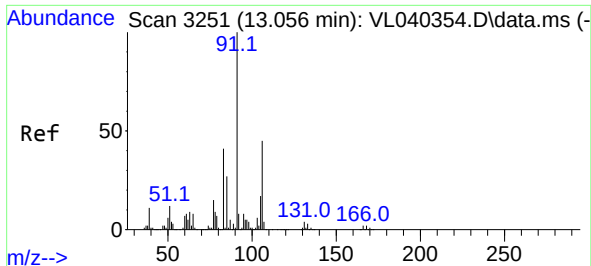
Tgt Ion:104 Resp: 1548
Ion Ratio Lower Upper
104 100
78 0.0 43.4 65.0#
103 63.8 37.0 55.4#



#62
Isopropylbenzene
Concen: 0.006 ppbv
RT: 14.047 min Scan# 3559
Delta R.T. 0.007 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion:105 Resp: 1821
Ion Ratio Lower Upper
105 100
120 135.7 19.9 29.9#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.017 ppbv

RT: 13.057 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

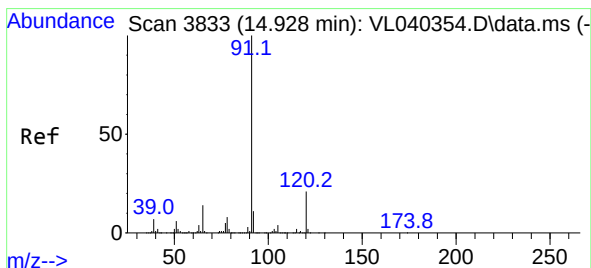
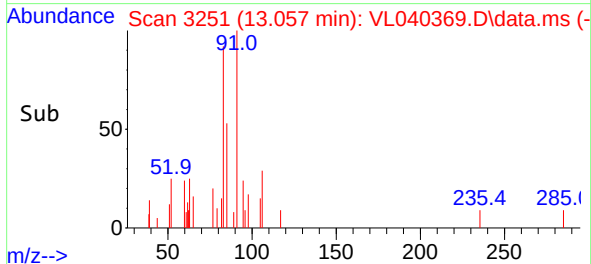
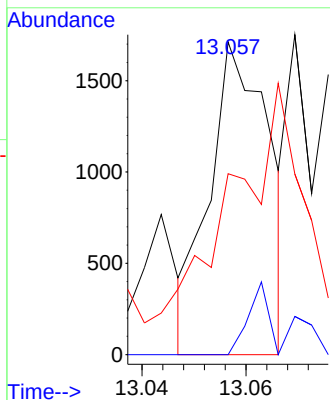
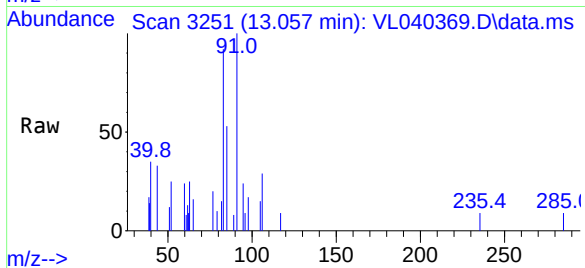
Tgt Ion: 83 Resp: 1366

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.9 98.6#



#64

n-propylbenzene

Concen: 0.001 ppbv

RT: 14.960 min Scan# 3843

Delta R.T. 0.032 min

Lab File: VL040369.D

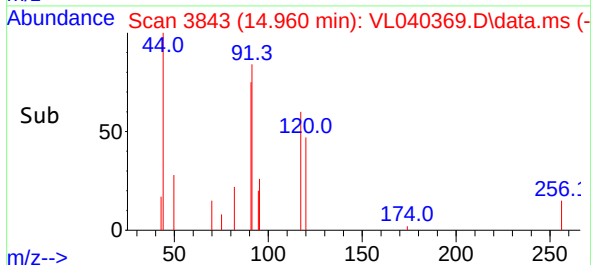
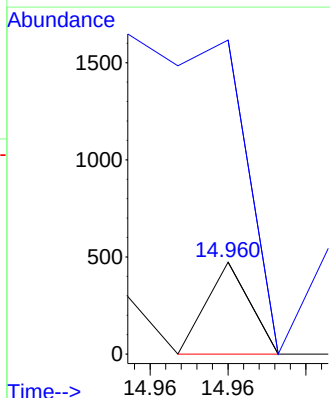
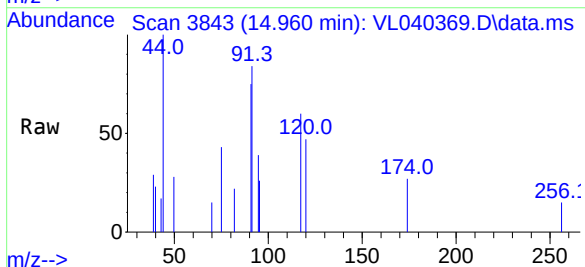
Acq: 13 Apr 2023 22:24

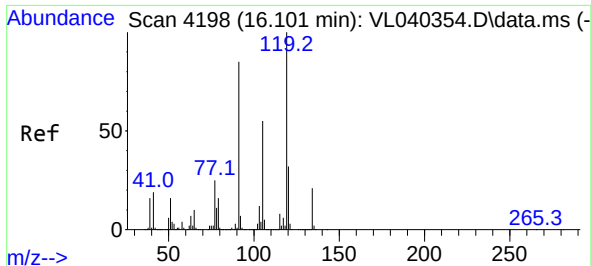
Tgt Ion: 120 Resp: 91

Ion Ratio Lower Upper

120 100

91 556.0 397.4 596.0

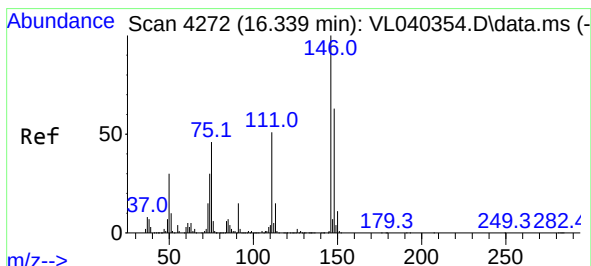
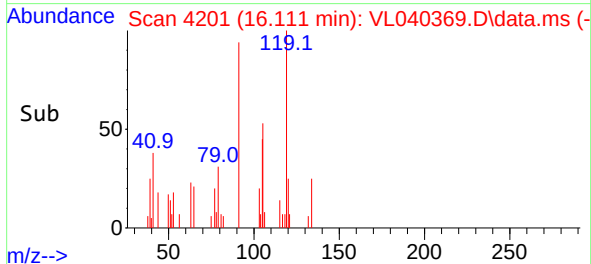
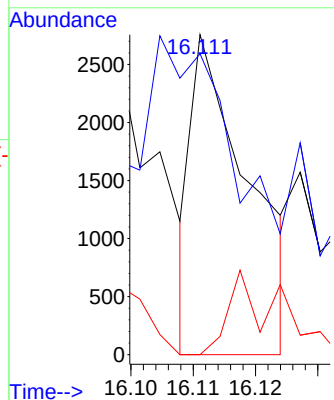
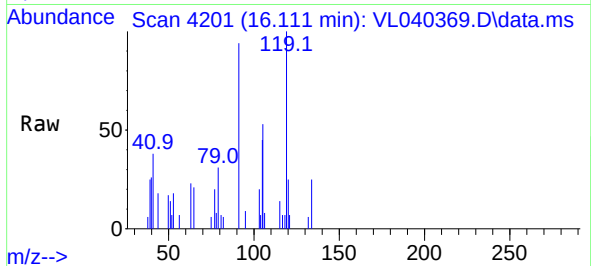




#65
tert-Butylbenzene
Concen: 0.006 ppbv
RT: 16.111 min Scan# 4198
Delta R.T. 0.010 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

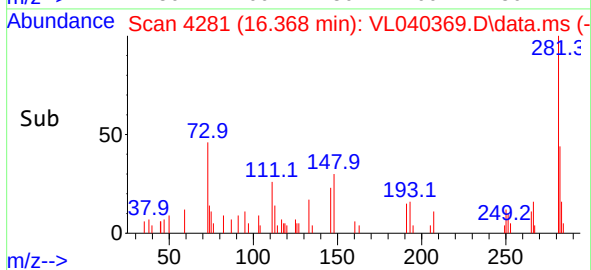
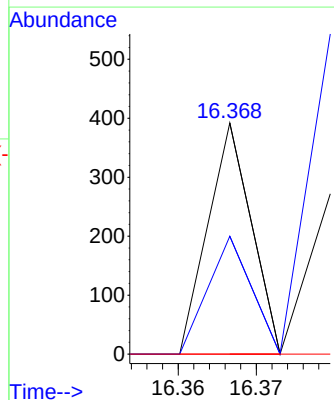
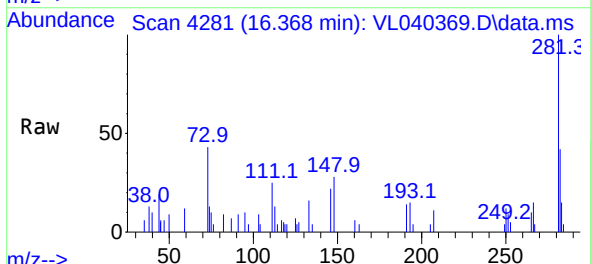
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

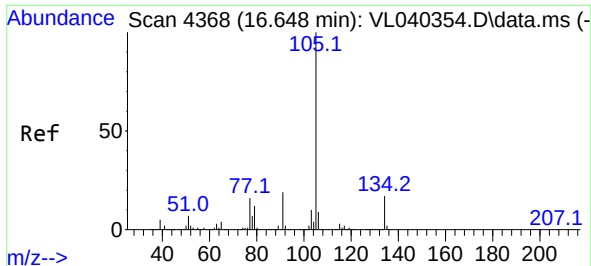
Tgt Ion:119 Resp: 1743
Ion Ratio Lower Upper
119 100
91 361.1 70.1 105.1#
134 22.7 15.6 23.4



#66
Benzyl Chloride
Concen: 0.004 ppbv
RT: 16.368 min Scan# 4281
Delta R.T. 0.029 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
126 0.0 12.3 18.5#
128 0.0 4.1 6.1#

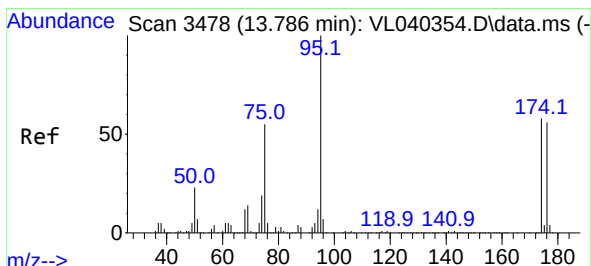
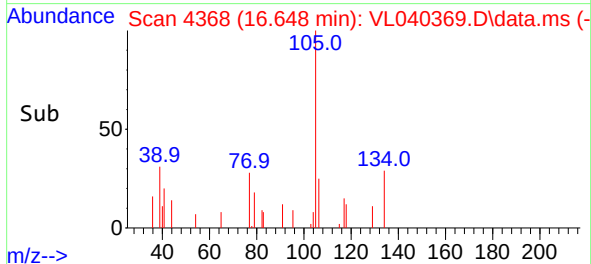
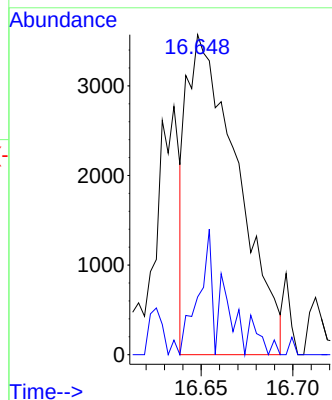
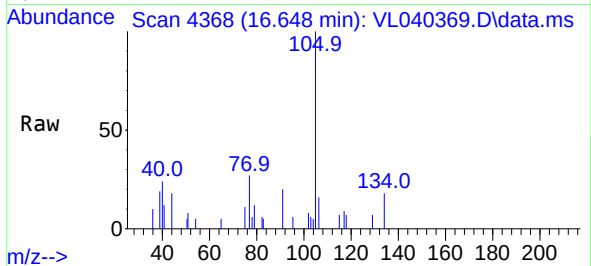




#67
 sec-Butylbenzene
 Concen: 0.017 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

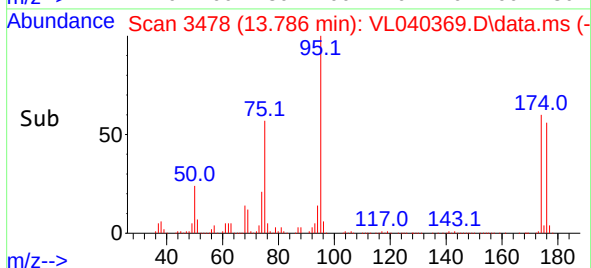
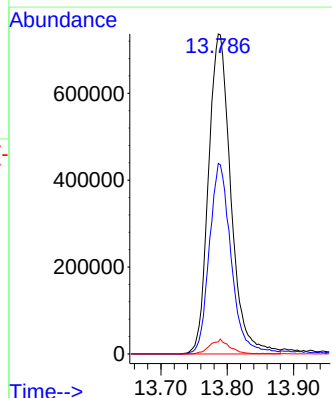
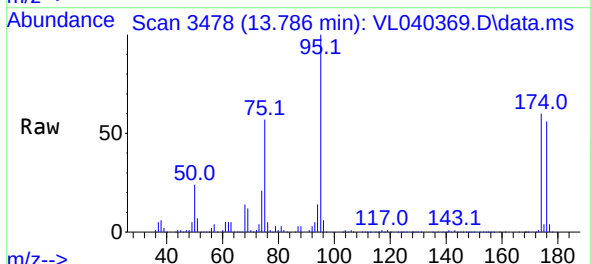
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

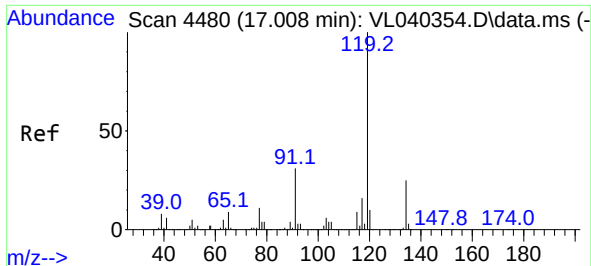
Tgt Ion:105 Resp: 6868
 Ion Ratio Lower Upper
 105 100
 134 24.3 13.8 20.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.132 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion: 95 Resp: 1724538
 Ion Ratio Lower Upper
 95 100
 174 59.6 47.2 70.8
 175 4.1 3.5 5.3





#69

p-Isopropyltoluene

Concen: 0.004 ppbv

RT: 17.011 min Scan# 4480

Delta R.T. 0.003 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

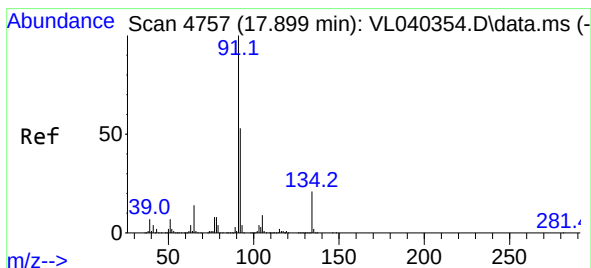
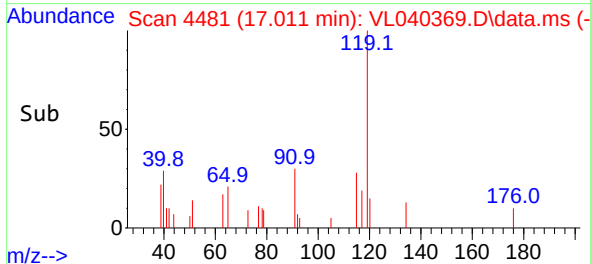
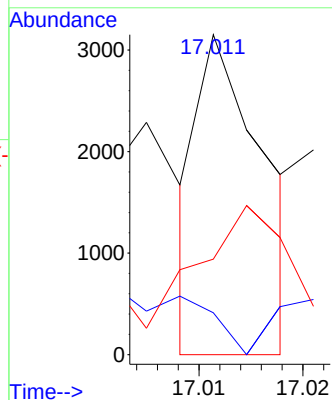
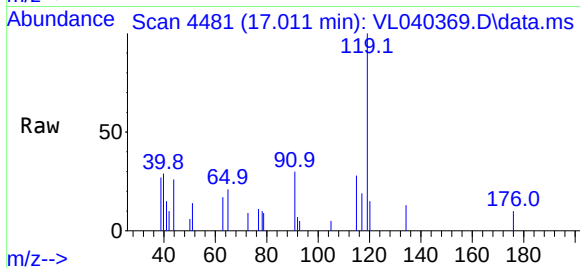
Tgt Ion:119 Resp: 1378

Ion Ratio Lower Upper

119 100

134 0.0 20.2 30.4#

91 202.7 25.7 38.5#



#70

n-Butylbenzene

Concen: 0.007 ppbv

RT: 17.912 min Scan# 4761

Delta R.T. 0.013 min

Lab File: VL040369.D

Acq: 13 Apr 2023 22:24

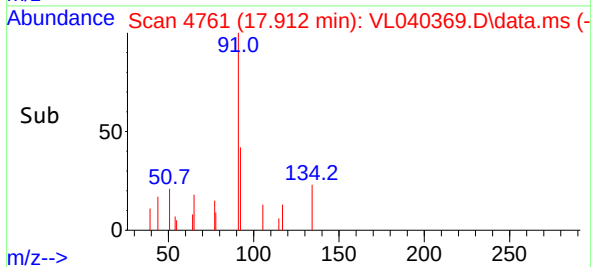
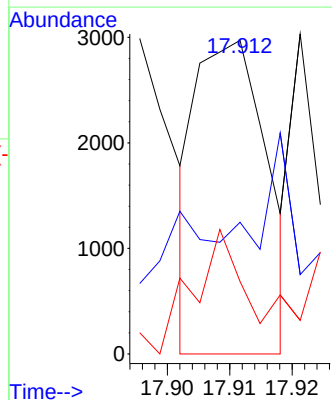
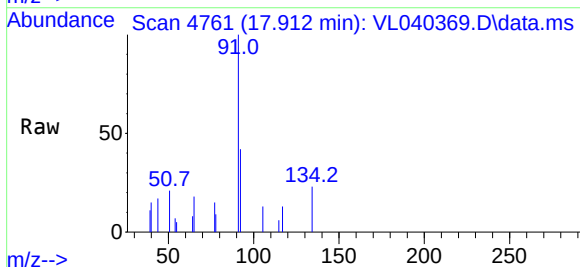
Tgt Ion: 91 Resp: 2331

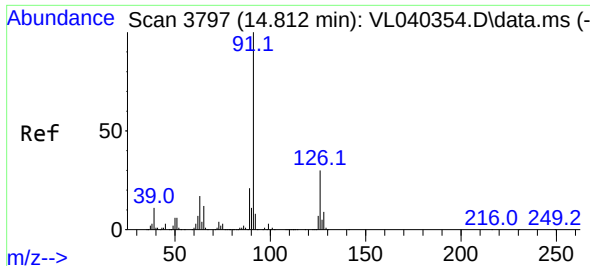
Ion Ratio Lower Upper

91 100

92 0.0 43.0 64.4#

134 48.2 16.6 25.0#

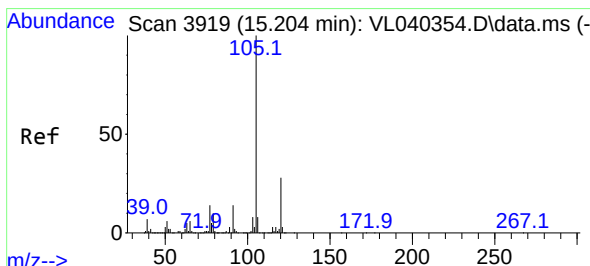
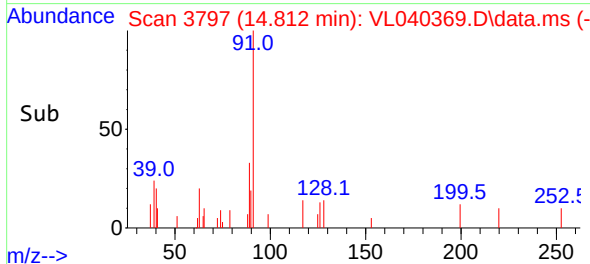
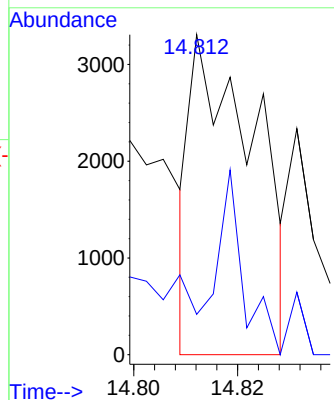
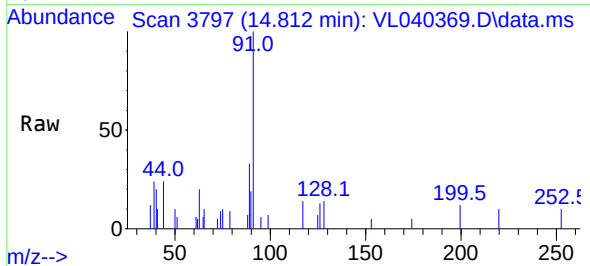




#71
2-Chlorotoluene
Concen: 0.011 ppbv
RT: 14.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

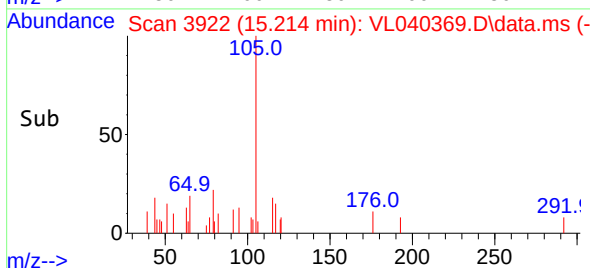
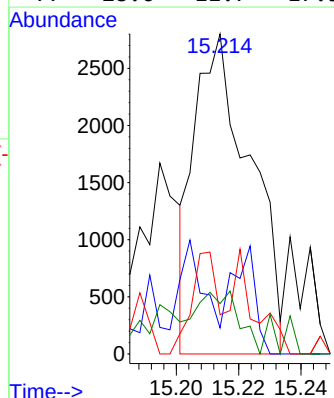
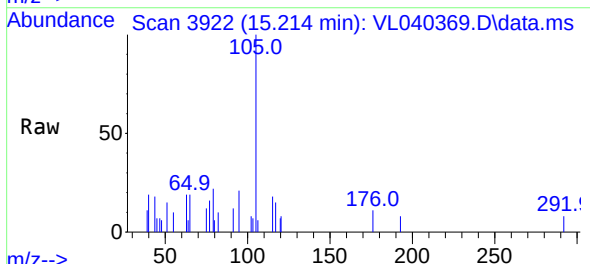
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

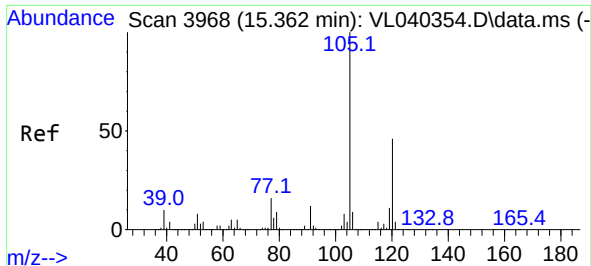
Tgt Ion: 91 Resp: 2810
Ion Ratio Lower Upper
91 100
126 58.4 11.8 47.4#



#72
4-Ethyltoluene
Concen: 0.014 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.010 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion: 105 Resp: 3466
Ion Ratio Lower Upper
105 100
120 38.9 23.0 34.6#
91 35.8 11.3 16.9#
77 28.6 11.7 17.5#

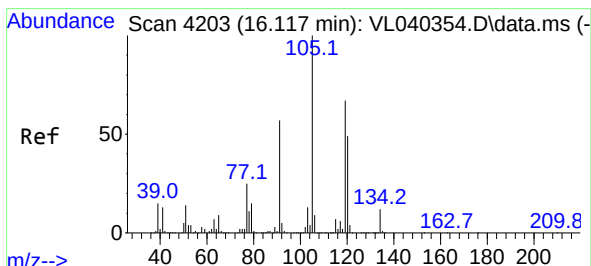
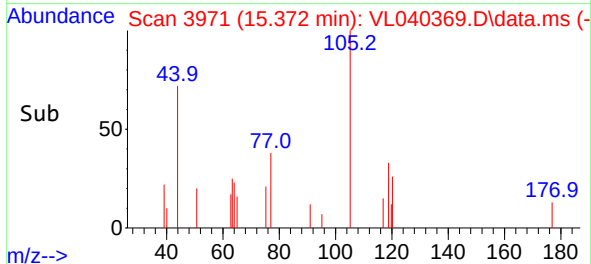
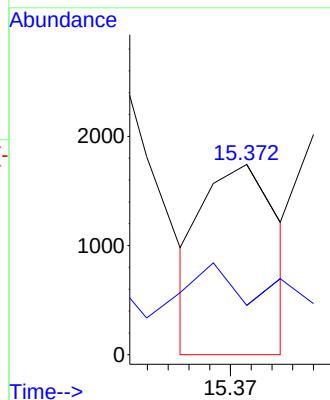
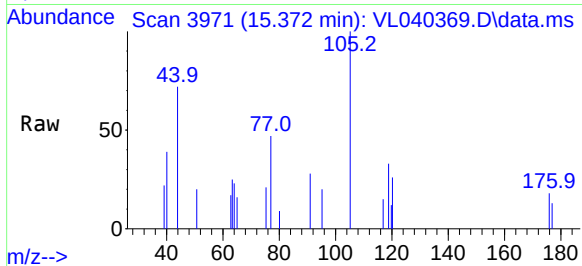




#73
 1,3,5-Trimethylbenzene
 Concen: 0.004 ppbv
 RT: 15.372 min Scan# 3968
 Delta R.T. 0.010 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

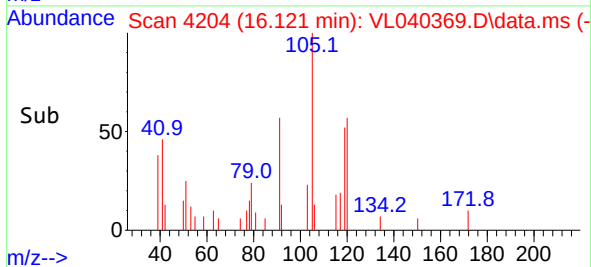
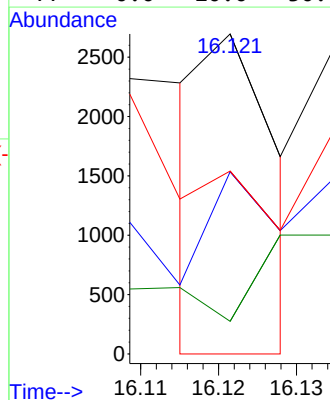
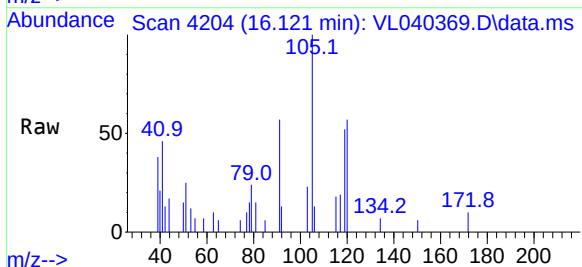
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

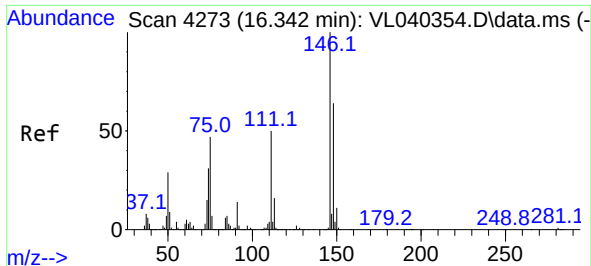
Tgt Ion:105 Resp: 873
 Ion Ratio Lower Upper
 105 100
 120 0.0 36.9 55.3#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.003 ppbv
 RT: 16.121 min Scan# 4204
 Delta R.T. 0.003 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Tgt Ion:105 Resp: 841
 Ion Ratio Lower Upper
 105 100
 120 145.8 38.9 58.3#
 91 76.5 46.0 69.0#
 77 0.0 20.0 30.0#

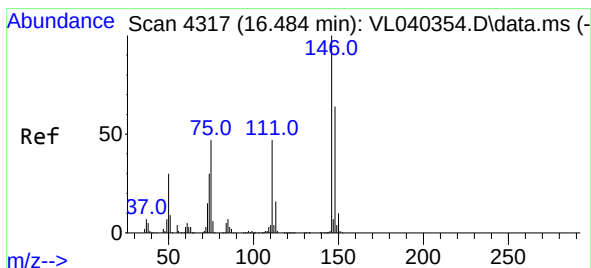
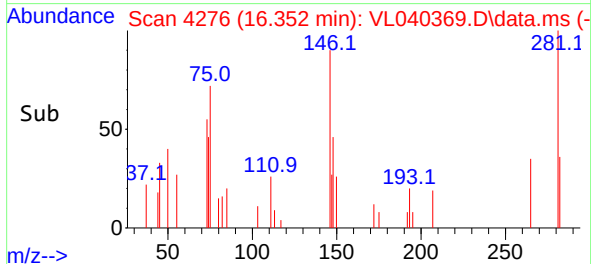
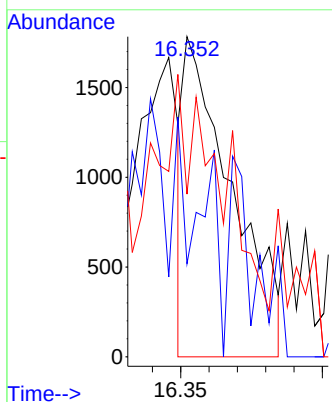
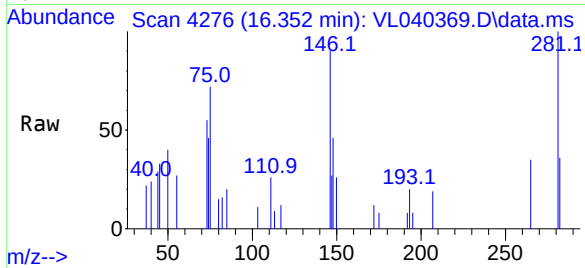




#75
1,3-Dichlorobenzene
Concen: 0.015 ppbv
RT: 16.352 min Scan# 4318
Delta R.T. 0.010 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

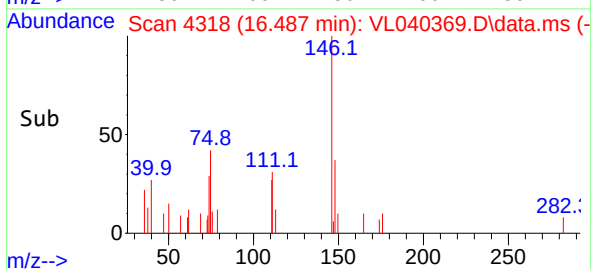
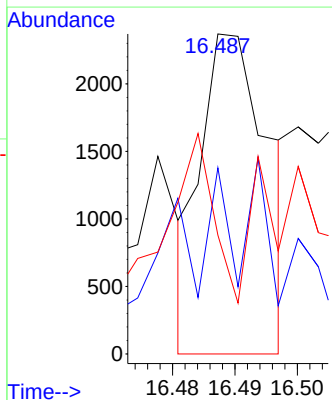
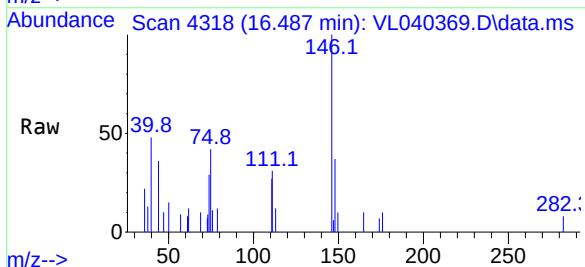
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

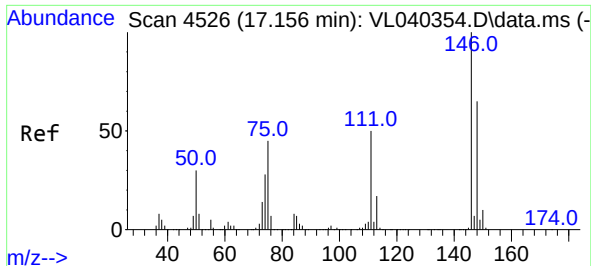
Tgt Ion:146 Resp: 2107
Ion Ratio Lower Upper
146 100
111 0.0 24.6 74.0#
148 188.8 32.1 96.3#



#76
1,4-Dichlorobenzene
Concen: 0.013 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.003 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion:146 Resp: 1770
Ion Ratio Lower Upper
146 100
111 0.0 23.8 71.4#
148 204.7 32.4 97.2#

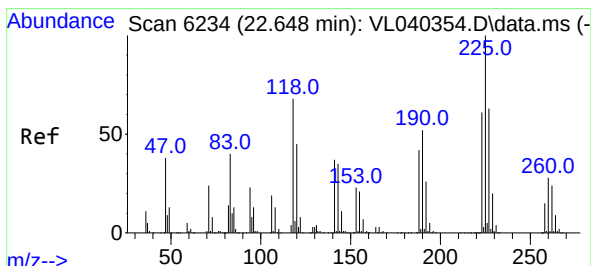
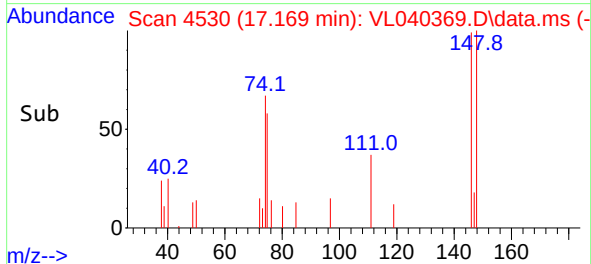
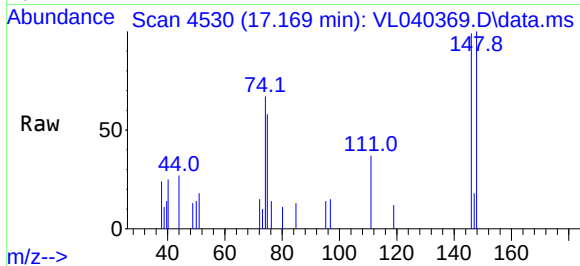




#77
1,2-Dichlorobenzene
Concen: 0.011 ppbv
RT: 17.169 min Scan# 4530
Delta R.T. 0.013 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

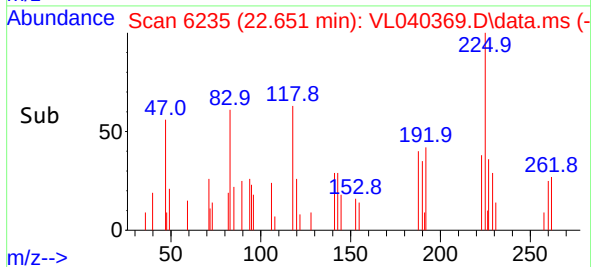
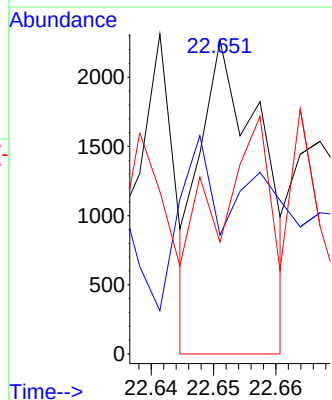
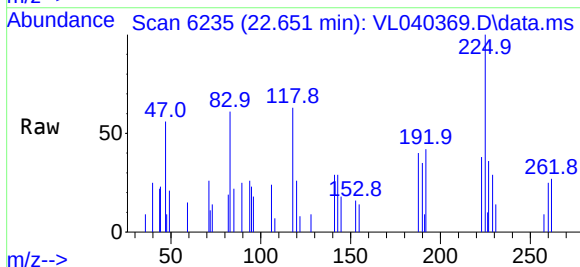
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

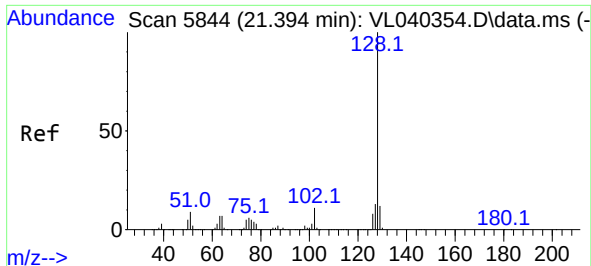
Tgt Ion:146 Resp: 1577
Ion Ratio Lower Upper
146 100
111 0.0 25.4 76.0#
148 0.0 32.0 96.2#



#78
Hexachloro-1,3-Butadiene
Concen: 0.014 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.003 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion:225 Resp: 1565
Ion Ratio Lower Upper
225 100
223 216.0 50.7 76.1#
227 0.0 51.0 76.4#

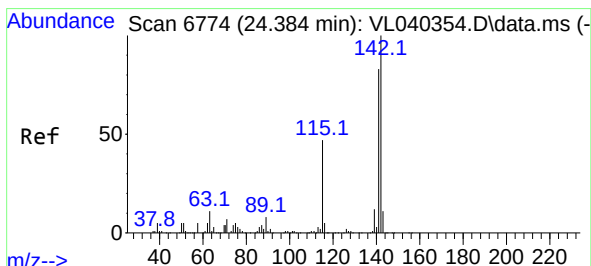
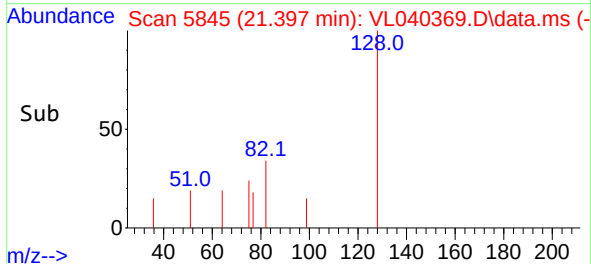
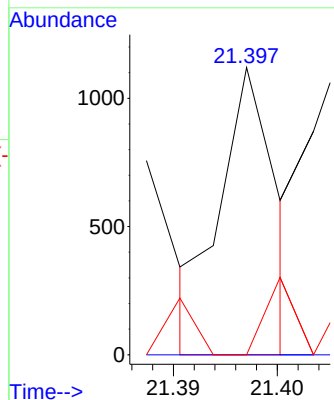
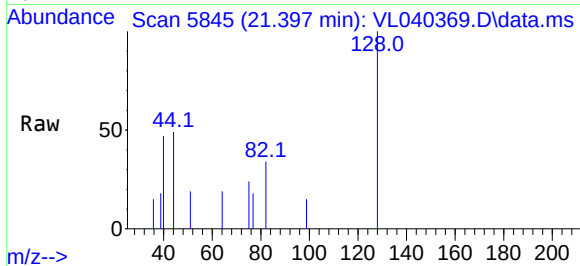




#79
Naphthalene
Concen: 0.002 ppbv
RT: 21.397 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

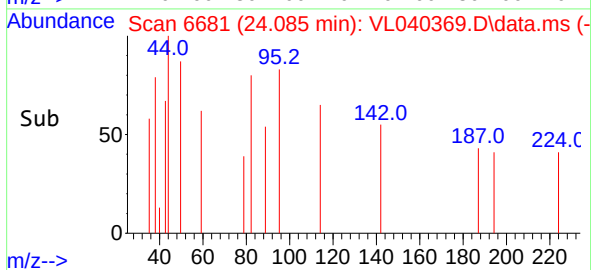
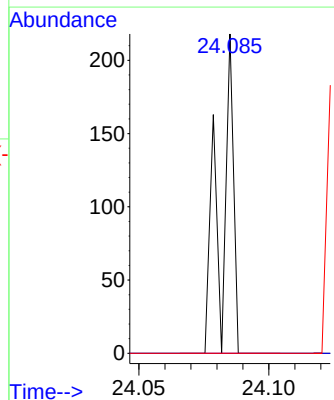
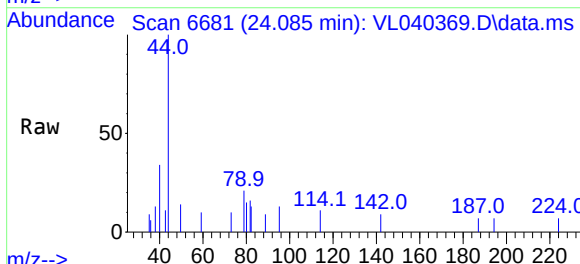
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

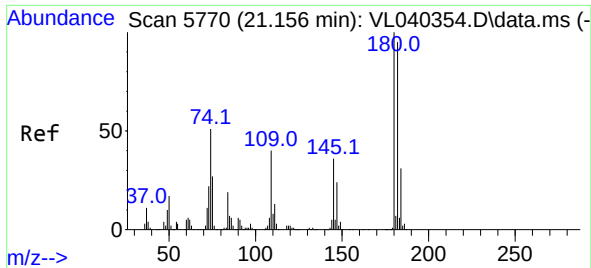
Tgt Ion:128 Resp: 415
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.001 ppbv
RT: 24.085 min Scan# 6681
Delta R.T. -0.299 min
Lab File: VL040369.D
Acq: 13 Apr 2023 22:24

Tgt Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
141 0.0 65.1 97.7#
115 47.3 36.5 54.7





#81
 1,2,4-Trichlorobenzene
 Concen: 0.012 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040369.D
 Acq: 13 Apr 2023 22:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 1300
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.7 116.5#
 184 0.0 24.2 36.2#

