

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040177.D
 Acq On : 15 Feb 2023 15:48
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Feb 16 05:17:10 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	5.192	49	941750	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	2396738	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2169923	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1813682	10.164	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	95922	0.546	ppbv	92
3) Chlorodifluoromethane	2.661	51	61013	0.542	ppbv	99
4) Chloromethane	2.806	50	39517	0.559	ppbv	91
5) Vinyl Chloride	2.909	62	30244	0.533	ppbv	99
6) Bromomethane	3.108	94	10633	0.519	ppbv	92
7) Chloroethane	3.189	64	12097	0.537	ppbv #	77
8) Dichlorotetrafluoroethane	2.848	85	84679	0.560	ppbv	98
9) Propene	2.684	41	22657	0.494	ppbv	98
10) Heptane	7.587	43	19816	0.182	ppbv #	26
11) Trichlorofluoromethane	3.555	101	89410	0.568	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	62268	0.536	ppbv	98
13) Ethanol	3.240	45	1097	0.260	ppbv #	41
14) Bromoethene	3.359	108	23674	0.531	ppbv #	97
15) Acetone	3.475	43	63708	0.562	ppbv	99
16) 1,3-Butadiene	2.976	39	25440	0.491	ppbv	95
17) tert-Butyl alcohol	3.886	59	56805	0.549	ppbv	96
18) 1,1-Dichloroethene	3.873	96	26065	0.516	ppbv	88
19) Isopropyl Alcohol	3.587	45	22032	0.409	ppbv #	77
20) Methylene Chloride	3.928	84	36958	0.626	ppbv	95
21) Allyl Chloride	3.992	41	32300	0.464	ppbv	87
22) trans-1,2-Dichloroethene	4.446	96	26856	0.514	ppbv #	76
23) Vinyl Acetate	4.623	43	4971	0.144	ppbv #	92
24) 1,1-Dichloroethane	4.561	63	54867	0.510	ppbv	98
25) Ethyl Acetate	5.211	43	102296	0.485	ppbv	98
26) Hexane	5.211	57	42963	0.475	ppbv	89
27) Carbon Disulfide	4.121	76	54027	0.471	ppbv	94
28) Methyl tert-Butyl Ether	4.594	73	49511	0.511	ppbv	98
29) Chloroform	5.272	83	81285	0.523	ppbv	96
30) Cyclohexane	6.606	84	29047	0.409	ppbv #	91
31) cis-1,2-Dichloroethene	5.076	61	40618	0.472	ppbv	90
32) 1,1,1-Trichloroethane	6.002	97	77173	0.529	ppbv	98
34) 2-Butanone	4.796	43	58184	0.492	ppbv	99
35) Carbon Tetrachloride	6.494	117	71535	0.505	ppbv	98
36) Benzene	6.375	78	88285	0.473	ppbv	96
37) 1,2-Dichloroethane	5.809	62	59672	0.512	ppbv	100
38) Trichloroethene	7.294	130	50702	0.493	ppbv	90
39) 1,2-Dichloropropane	7.079	63	14625	0.202	ppbv	86
40) 1,4-Dioxane	7.320	88	15322	0.528	ppbv	85
41) Tetrahydrofuran	5.581	42	29094	0.425	ppbv	99
42) Bromodichloromethane	7.253	83	78492	0.487	ppbv	97
43) Methyl Methacrylate	7.487	69	28567	0.414	ppbv	95
44) 2,2,4-Trimethylpentane	7.327	57	147500	0.474	ppbv	93
45) t-1,3-Dichloropropene	8.745	75	2498	0.041	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040177.D
 Acq On : 15 Feb 2023 15:48
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 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

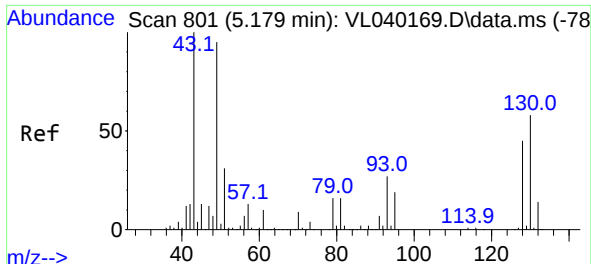
Quant Time: Feb 16 05:17:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.905	97	38986	0.497	ppbv	95
48) Dibromochloromethane	9.716	129	54549	0.435	ppbv	99
49) Bromoform	12.416	173	22704	0.232	ppbv #	40
50) 4-Methyl-2-Pentanone	8.204	43	78558	0.428	ppbv	98
52) Tetrachloroethene	10.626	164	27804	0.477	ppbv	95
53) Toluene	9.227	91	78977	0.395	ppbv	97
54) 1,2-Dibromoethane	10.015	107	25631	0.314	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.516	131	46334	0.509	ppbv #	1
57) Chlorobenzene	11.535	112	80791	0.510	ppbv	99
58) Ethyl Benzene	12.098	91	112518	0.427	ppbv	95
59) m/p-Xylene	12.381	91	75053	0.321	ppbv #	1
60) o-Xylene	13.063	91	53657	0.239	ppbv #	44
61) Styrene	12.908	104	42342	0.359	ppbv	96
62) Isopropylbenzene	14.043	105	149976	0.465	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	19678	0.243	ppbv #	6
64) n-propylbenzene	14.934	120	22641	0.284	ppbv #	1
65) tert-Butylbenzene	16.104	119	126032	0.450	ppbv	89
66) Benzyl Chloride	16.336	91	1272	0.068	ppbv #	67
67) sec-Butylbenzene	16.648	105	187737	0.467	ppbv	98
69) p-Isopropyltoluene	17.011	119	142786	0.448	ppbv	95
70) n-Butylbenzene	17.905	91	155968	0.451	ppbv	97
71) 2-Chlorotoluene	14.815	91	111719	0.453	ppbv	97
72) 4-Ethyltoluene	15.207	105	105170	0.423	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.358	105	46163	0.200	ppbv	96
74) 1,2,4-Trimethylbenzene	16.120	105	121928	0.480	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	35069	0.252	ppbv #	25
76) 1,4-Dichlorobenzene	16.484	146	60916	0.447	ppbv	91
77) 1,2-Dichlorobenzene	17.162	146	64346	0.466	ppbv	93
78) Hexachloro-1,3-Butadiene	22.654	225	25403	0.268	ppbv #	20
79) Naphthalene	21.451	128	3190	0.022	ppbv	100
80) Naphthalene,2-methyl-	24.393	142	14971	0.369	ppbv #	64
81) 1,2,4-Trichlorobenzene	21.152	180	3839	0.043	ppbv #	1

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

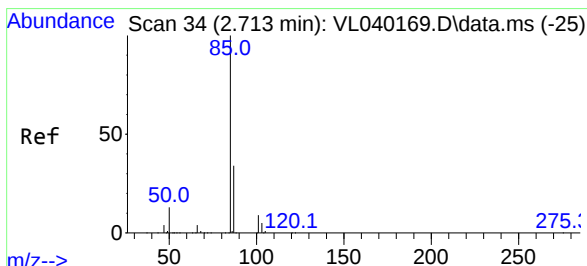
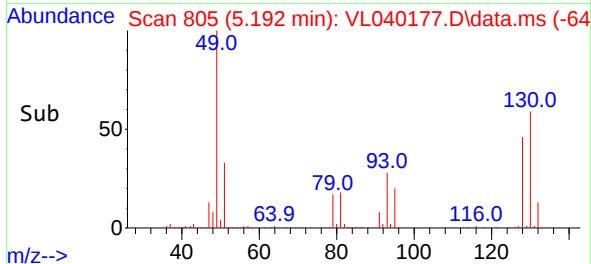
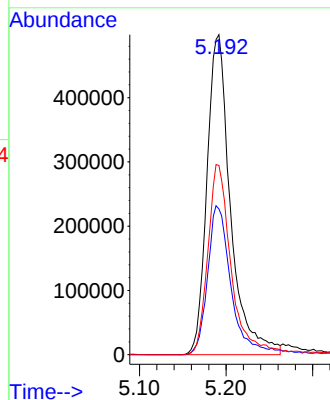
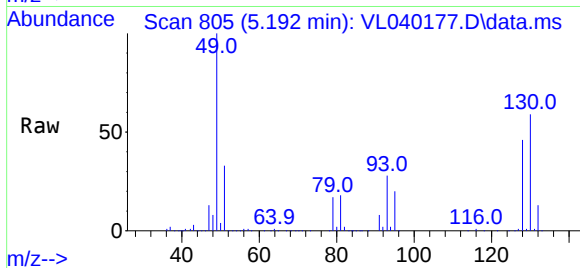
[illegible]



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

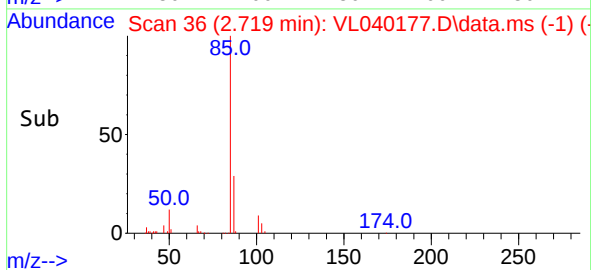
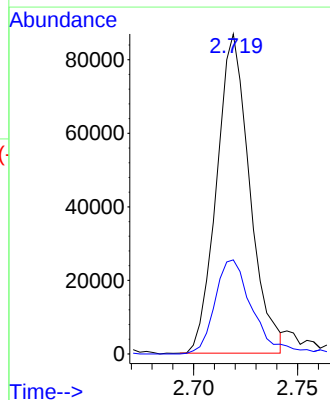
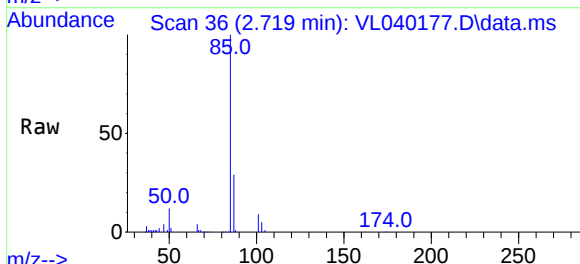
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MSVOA_L
ClientSampleId :
VSTDIC0.5

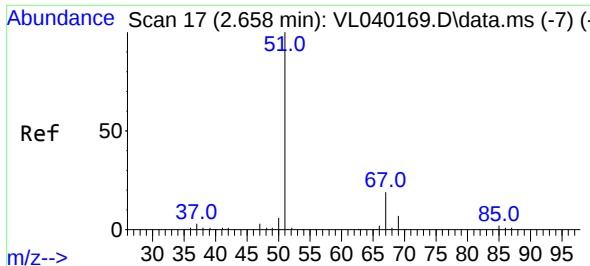
Tgt Ion: 49 Resp: 941750
Ion Ratio Lower Upper
49 100
128 47.1 24.1 72.3
130 61.1 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.546 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 85 Resp: 95922
Ion Ratio Lower Upper
85 100
87 29.5 27.0 40.6

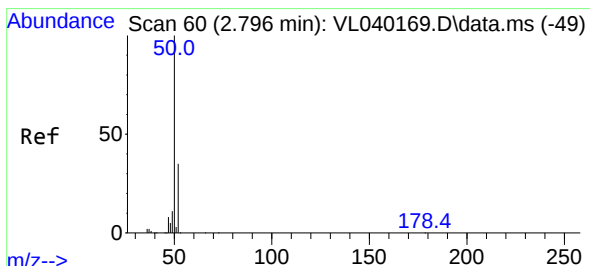
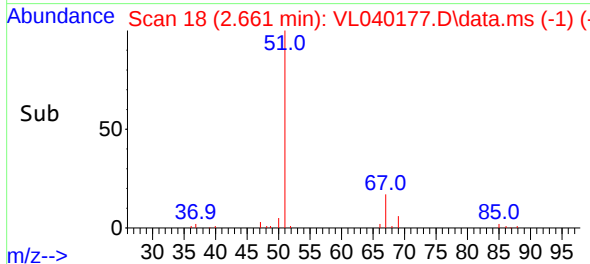
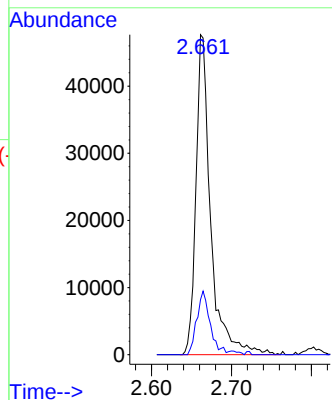
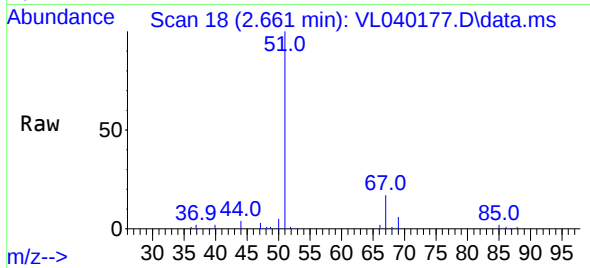




#3
Chlorodifluoromethane
Concen: 0.542 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

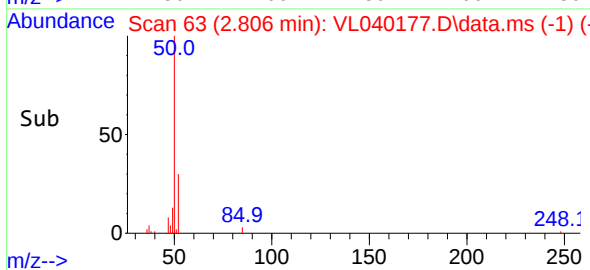
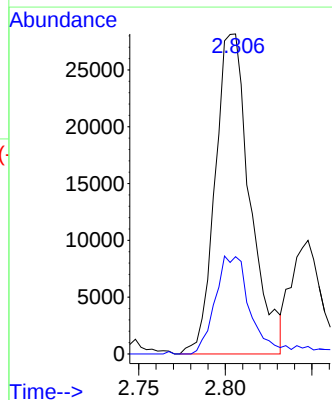
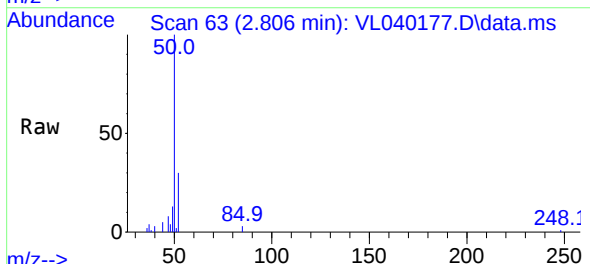
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 61013
Ion Ratio Lower Upper
51 100
67 19.0 15.4 23.2

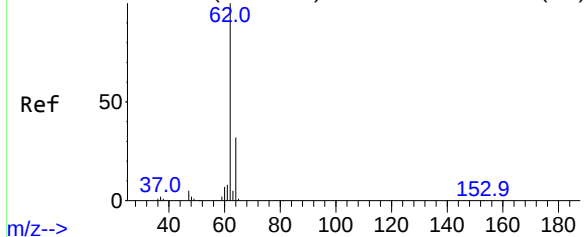


#4
Chloromethane
Concen: 0.559 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 50 Resp: 39517
Ion Ratio Lower Upper
50 100
52 30.4 28.3 42.5



Abundance Scan 93 (2.902 min): VL040169.D\data.ms (-85)



#5

Vinyl Chloride

Concen: 0.533 ppbv

RT: 2.909 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

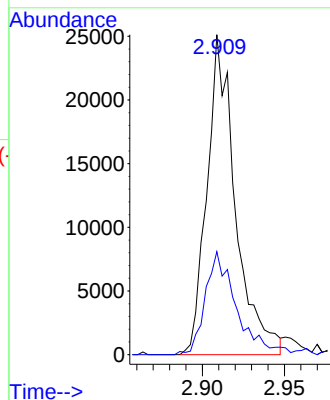
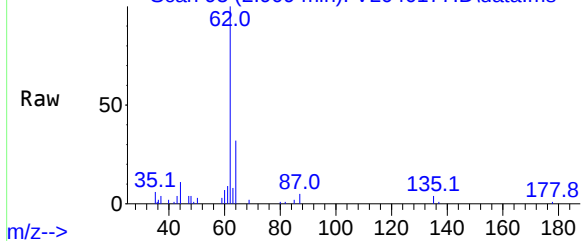
Tgt Ion: 62 Resp: 30244

Ion Ratio Lower Upper

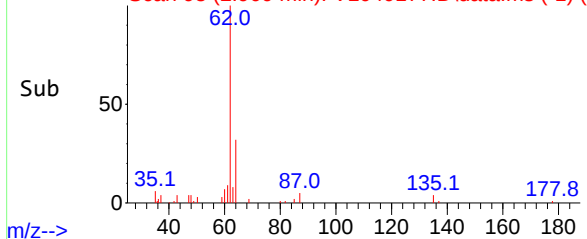
62 100

64 31.2 25.6 38.4

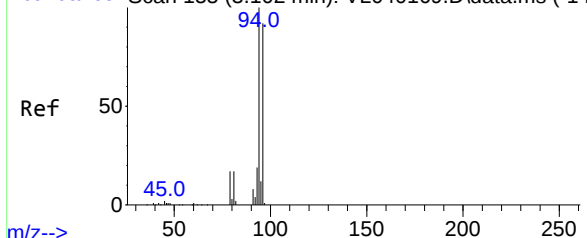
Abundance Scan 95 (2.909 min): VL040177.D\data.ms



Abundance Scan 95 (2.909 min): VL040177.D\data.ms (-1)



Abundance Scan 155 (3.102 min): VL040169.D\data.ms (-14)



#6

Bromomethane

Concen: 0.519 ppbv

RT: 3.108 min Scan# 157

Delta R.T. 0.006 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

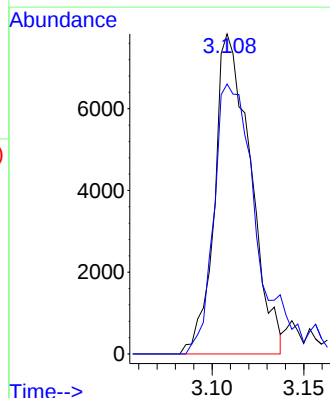
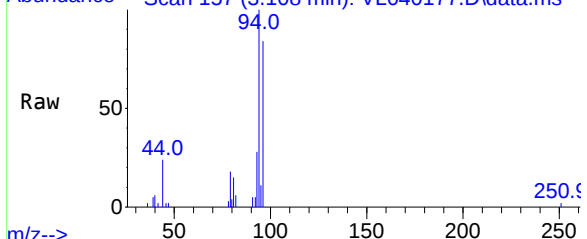
Tgt Ion: 94 Resp: 10633

Ion Ratio Lower Upper

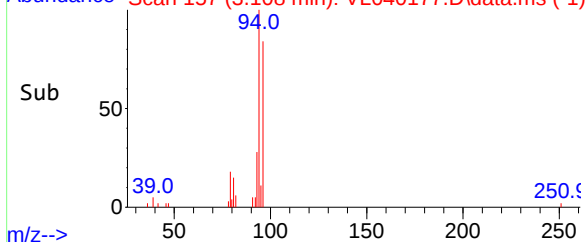
94 100

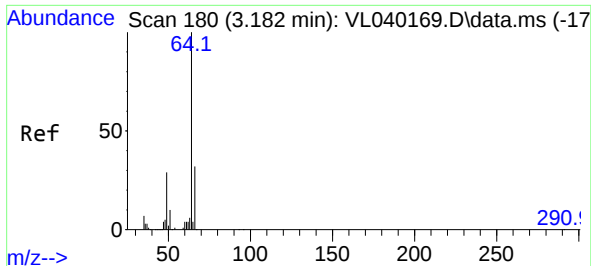
96 84.4 73.4 110.2

Abundance Scan 157 (3.108 min): VL040177.D\data.ms



Abundance Scan 157 (3.108 min): VL040177.D\data.ms (-1)

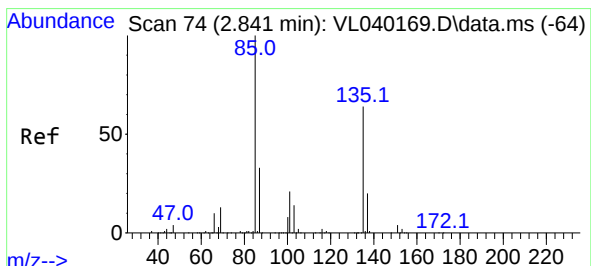
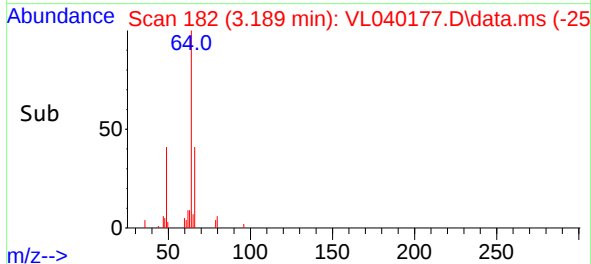
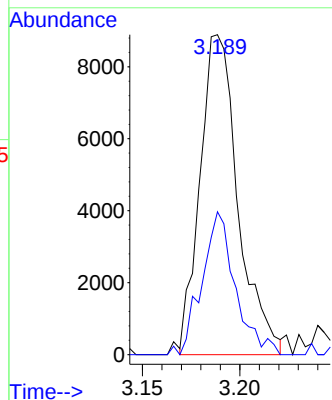
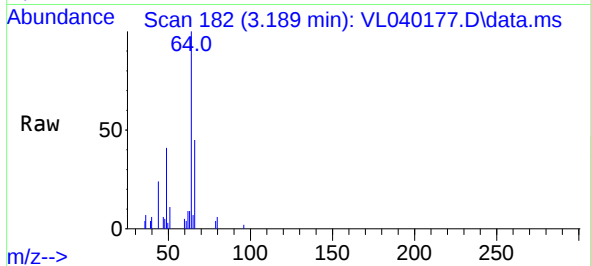




#7
Chloroethane
Concen: 0.537 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

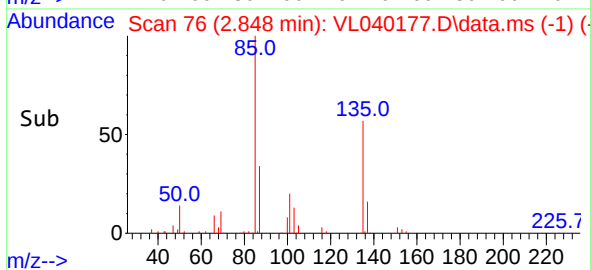
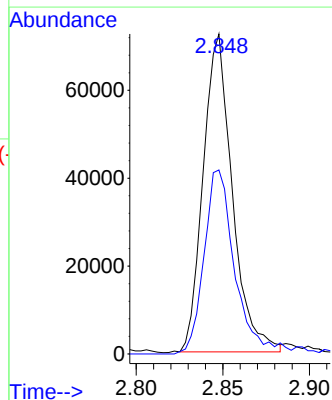
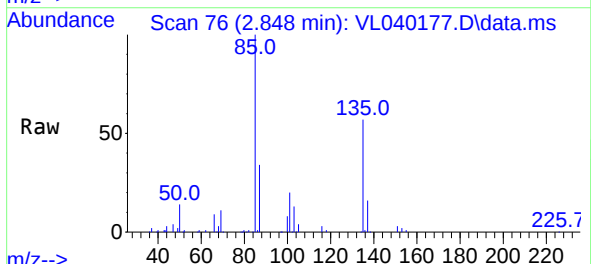
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

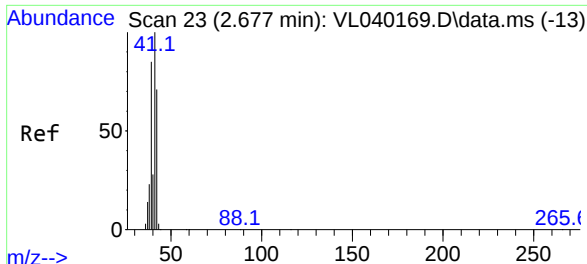
Tgt Ion: 64 Resp: 12097
Ion Ratio Lower Upper
64 100
66 44.7 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.560 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 85 Resp: 84679
Ion Ratio Lower Upper
85 100
135 62.6 51.5 77.3

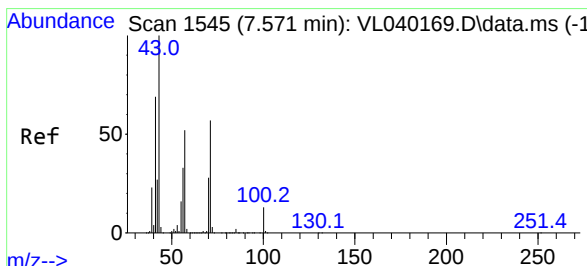
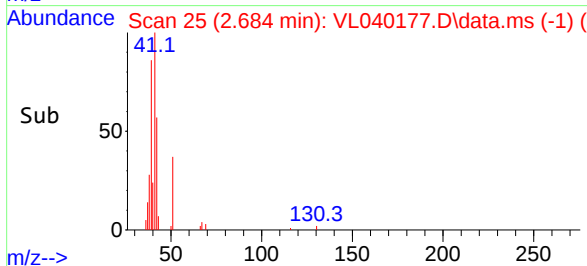
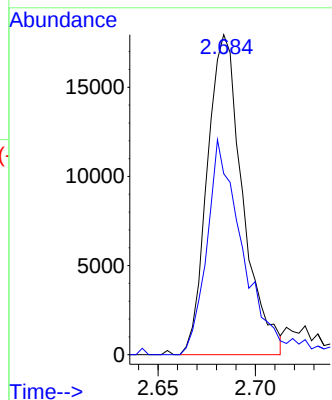
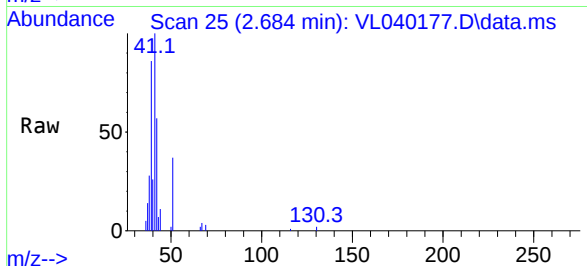




#9
Propene
Concen: 0.494 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

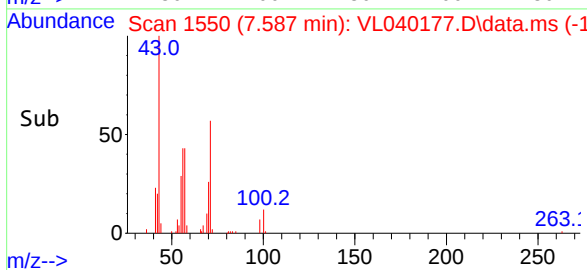
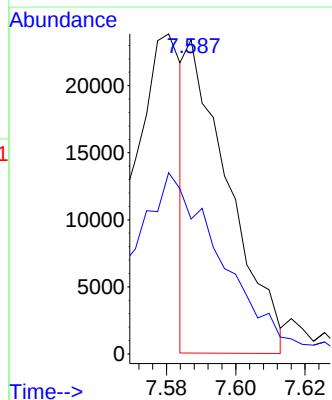
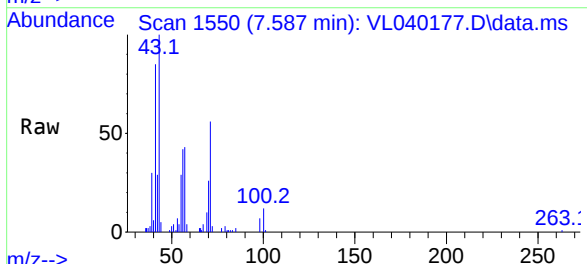
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

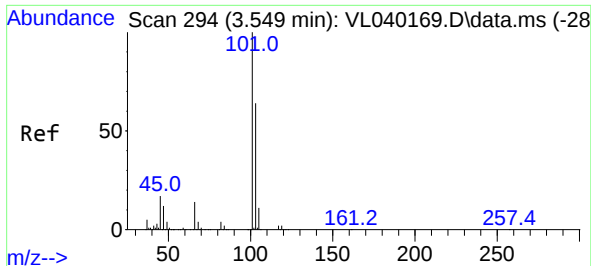
Tgt Ion: 41 Resp: 22657
Ion Ratio Lower Upper
41 100
42 72.4 56.9 85.3



#10
Heptane
Concen: 0.182 ppbv
RT: 7.587 min Scan# 1550
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 43 Resp: 19816
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2#

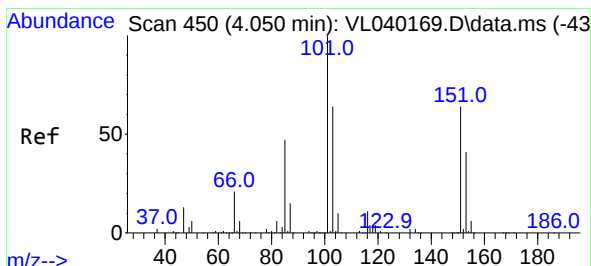
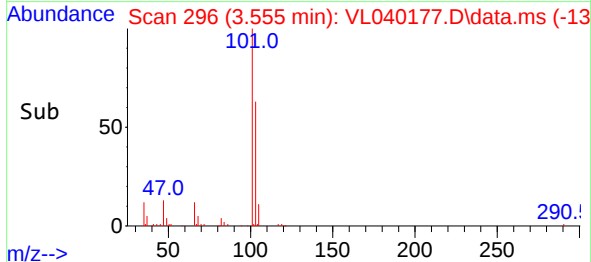
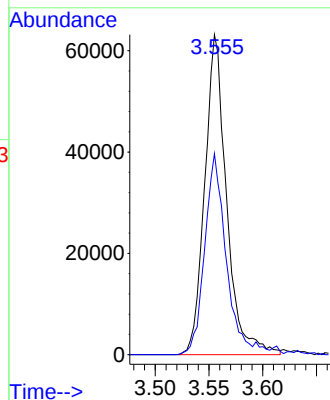
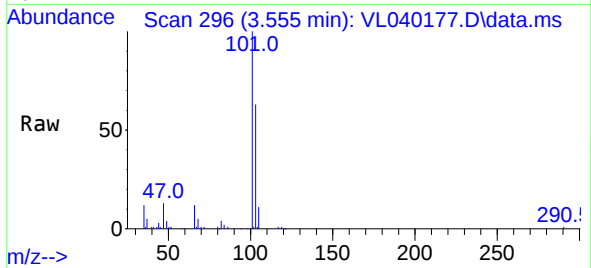




#11
Trichlorofluoromethane
Concen: 0.568 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

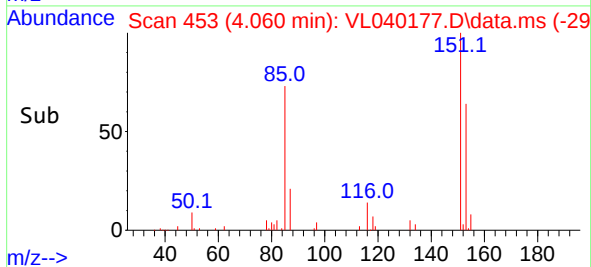
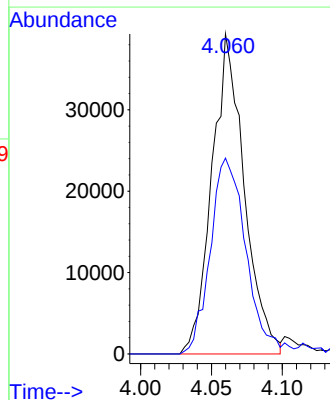
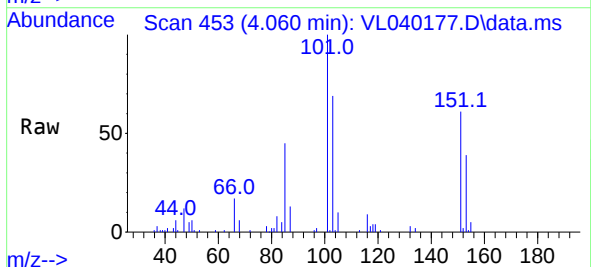
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

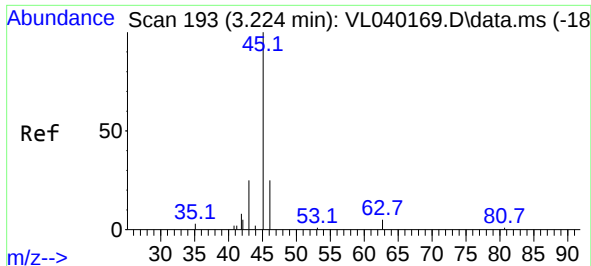
Tgt Ion:101 Resp: 89410
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.536 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:101 Resp: 62268
Ion Ratio Lower Upper
101 100
151 70.1 54.7 82.1

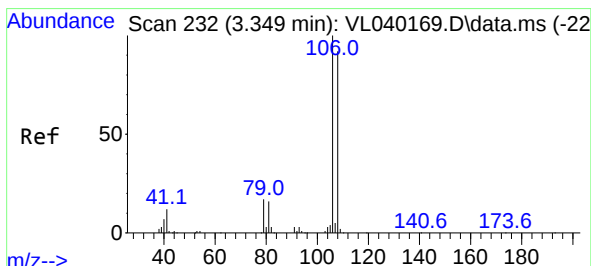
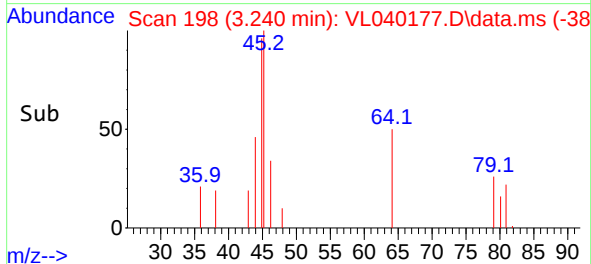
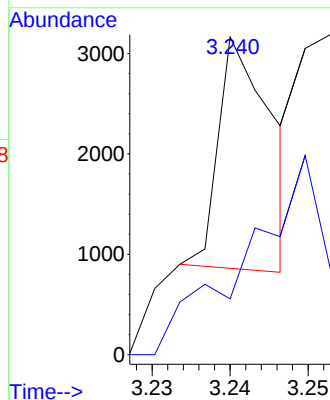
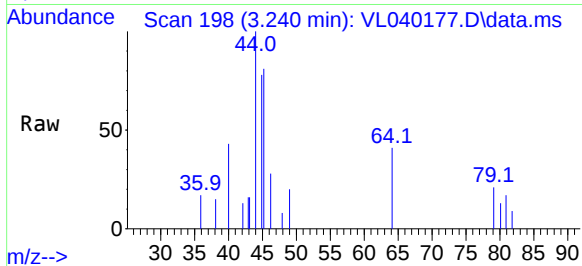




#13
 Ethanol
 Concen: 0.260 ppbv
 RT: 3.240 min Scan# 193
 Delta R.T. 0.016 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

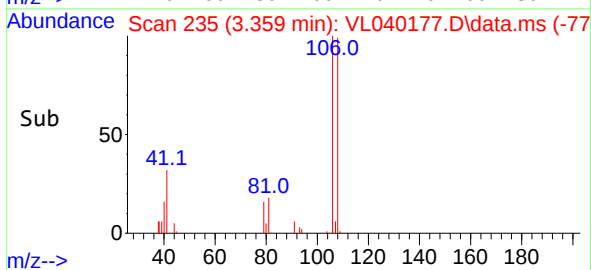
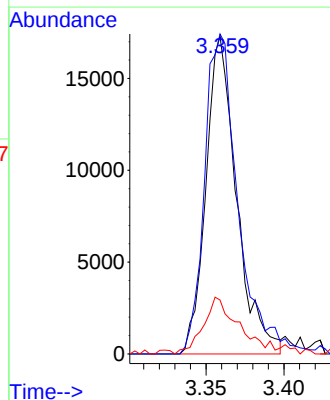
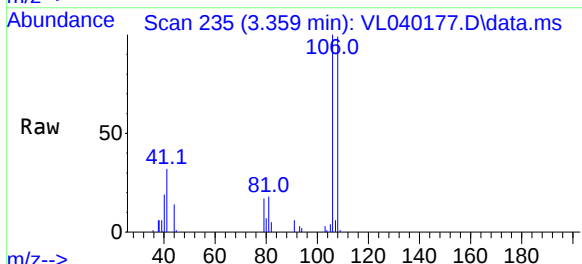
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

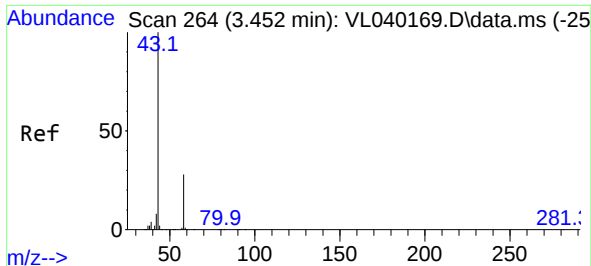
Tgt Ion: 45 Resp: 1097
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.3 53.1#



#14
 Bromoethene
 Concen: 0.531 ppbv
 RT: 3.359 min Scan# 235
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Tgt Ion: 108 Resp: 23674
 Ion Ratio Lower Upper
 108 100
 106 110.6 87.1 130.7
 79 23.3 15.4 23.2#

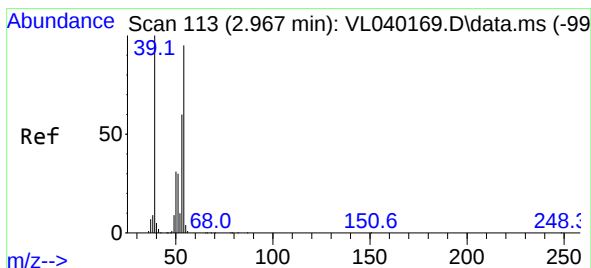
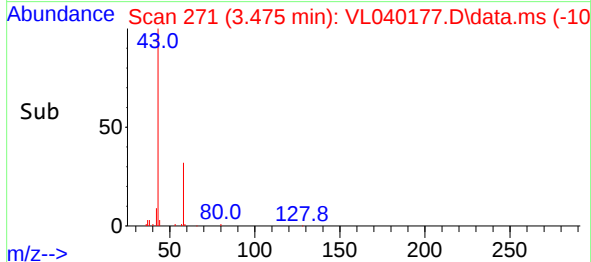
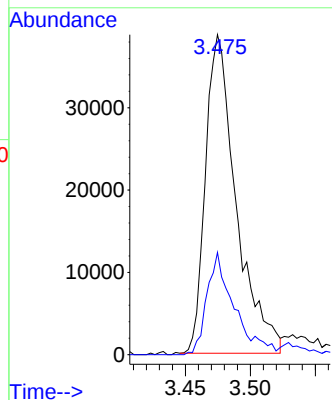
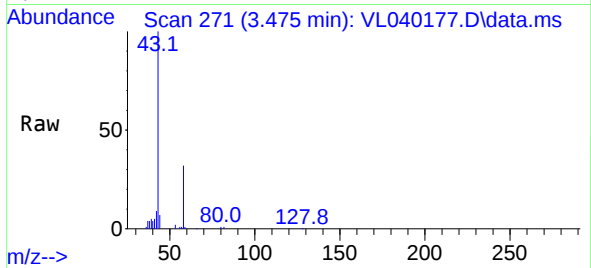




#15
Acetone
Concen: 0.562 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

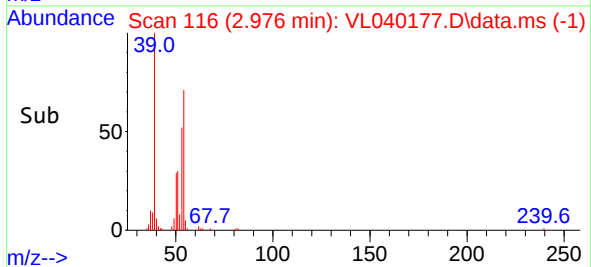
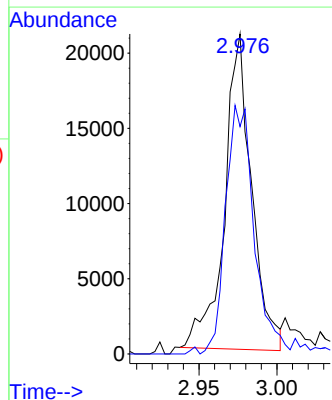
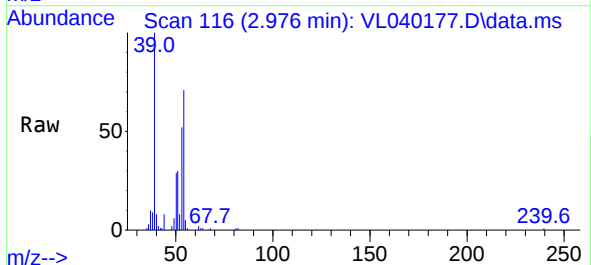
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

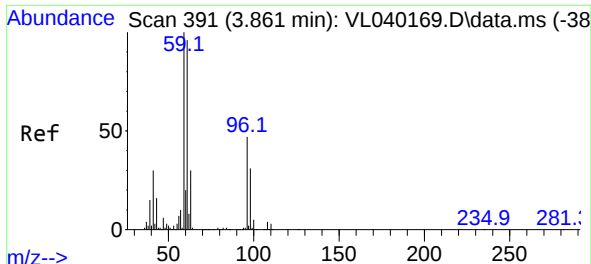
Tgt Ion: 43 Resp: 63708
Ion Ratio Lower Upper
43 100
58 28.3 22.4 33.6



#16
1,3-Butadiene
Concen: 0.491 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 39 Resp: 25440
Ion Ratio Lower Upper
39 100
54 87.7 66.7 100.1

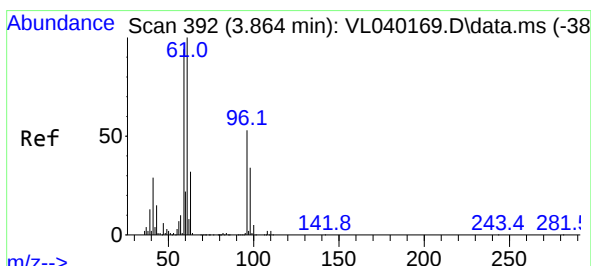
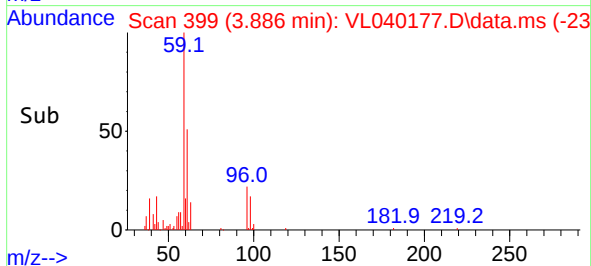
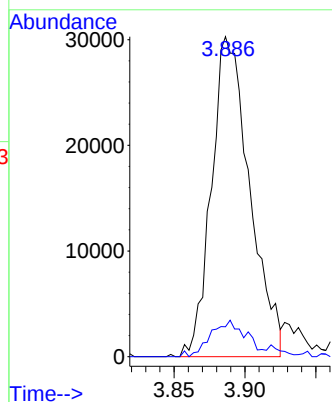
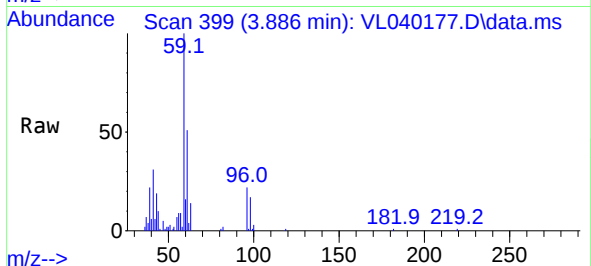




#17
tert-Butyl alcohol
Concen: 0.549 ppbv
RT: 3.886 min Scan# 391
Delta R.T. 0.026 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

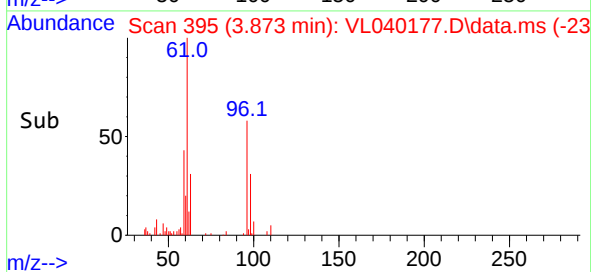
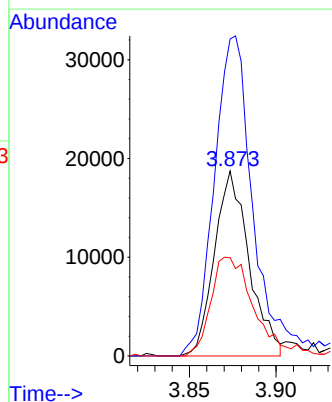
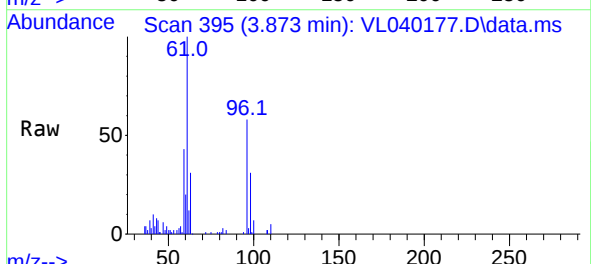
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

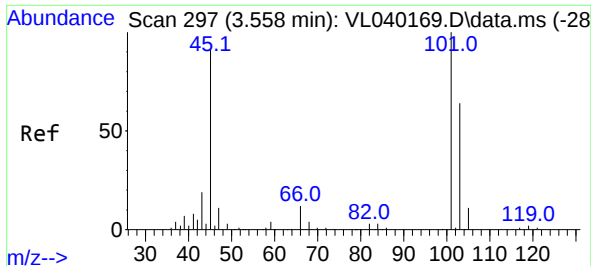
Tgt Ion: 59 Resp: 56805
Ion Ratio Lower Upper
59 100
57 12.2 8.5 12.7



#18
1,1-Dichloroethene
Concen: 0.516 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 96 Resp: 26065
Ion Ratio Lower Upper
96 100
61 171.4 149.6 224.4
98 53.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.409 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.029 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

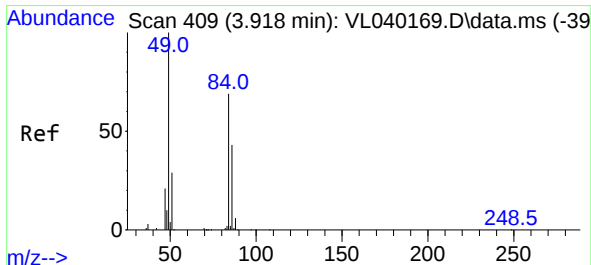
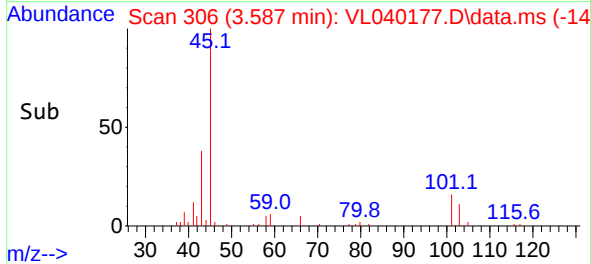
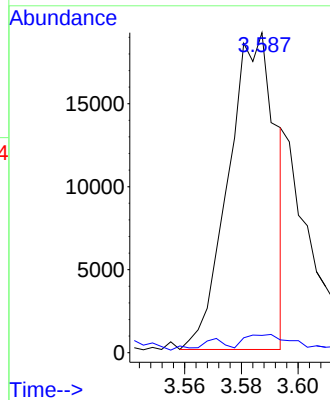
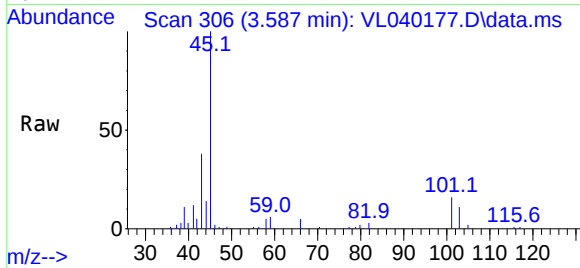
VSTDICC0.5

Tgt Ion: 45 Resp: 22032

Ion Ratio Lower Upper

45 100

58 10.8 2.6 3.8#



#20

Methylene Chloride

Concen: 0.626 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion: 84 Resp: 36958

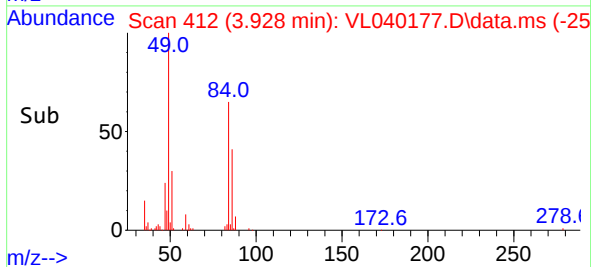
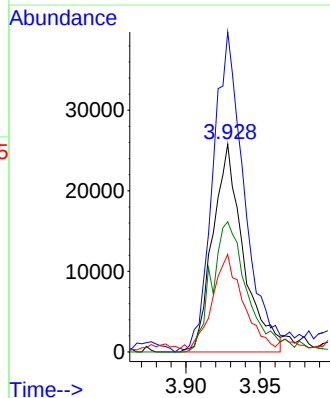
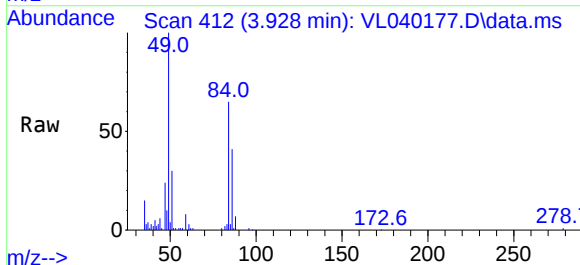
Ion Ratio Lower Upper

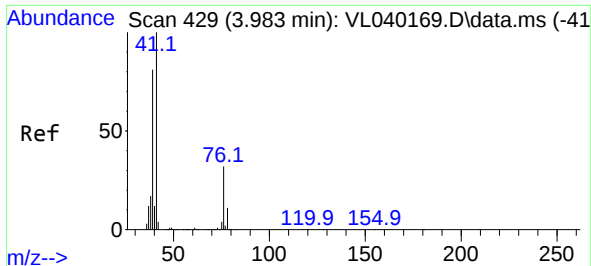
84 100

49 152.2 115.5 173.3

51 45.3 33.1 49.7

86 62.7 50.2 75.2





#21

Allyl Chloride

Concen: 0.464 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

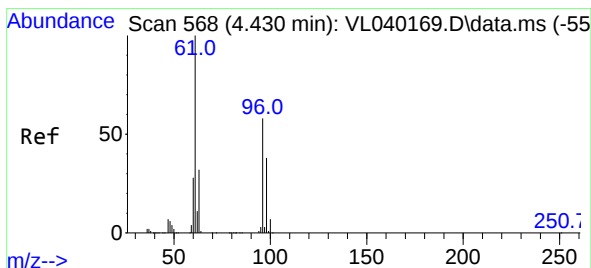
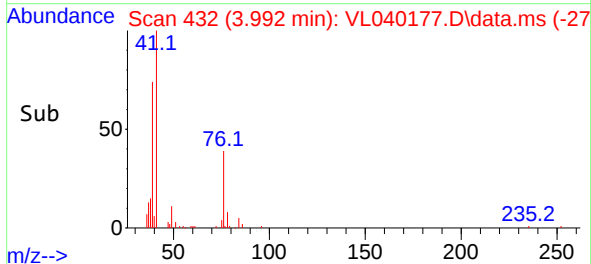
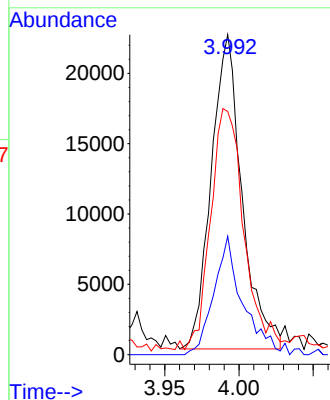
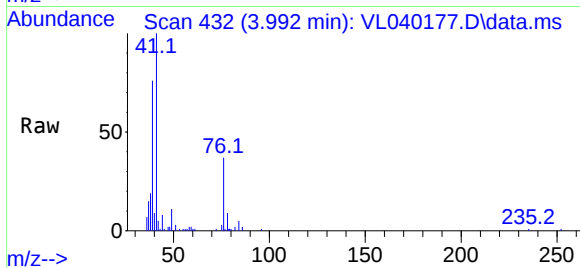
Tgt Ion: 41 Resp: 32300

Ion Ratio Lower Upper

41 100

76 36.3 25.5 38.3

39 94.0 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 0.514 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.016 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

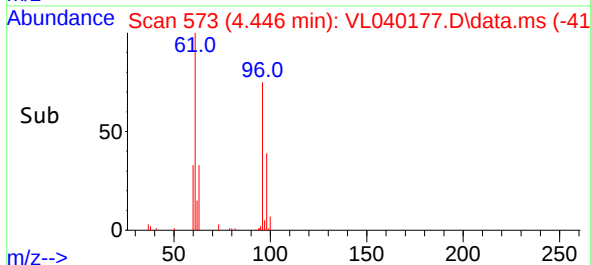
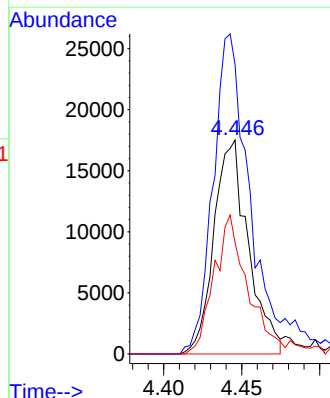
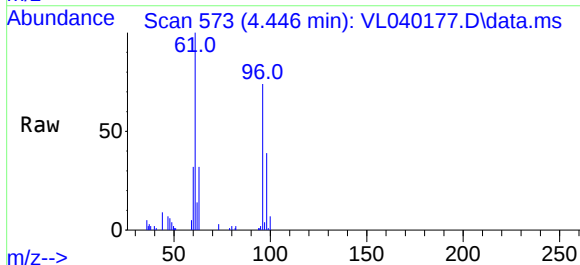
Tgt Ion: 96 Resp: 26856

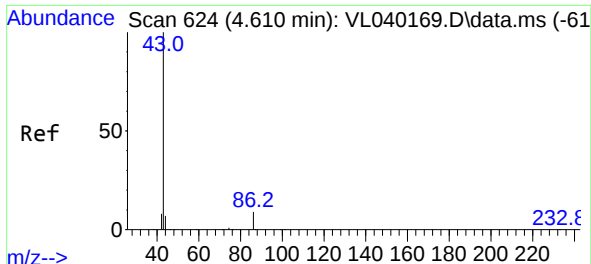
Ion Ratio Lower Upper

96 100

61 135.3 137.5 206.3#

98 52.1 52.8 79.2#



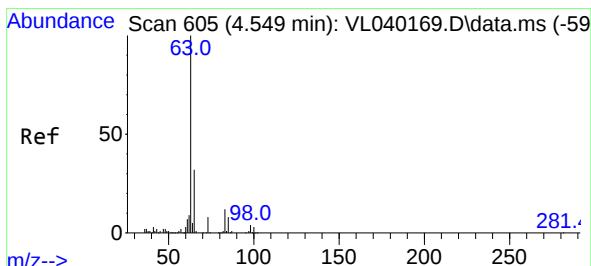
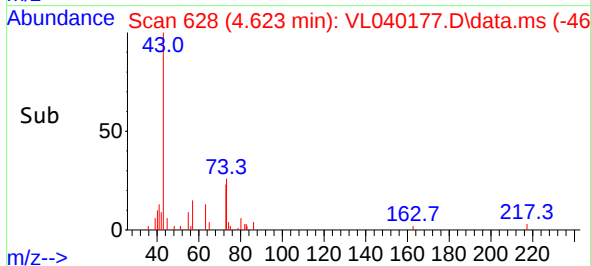
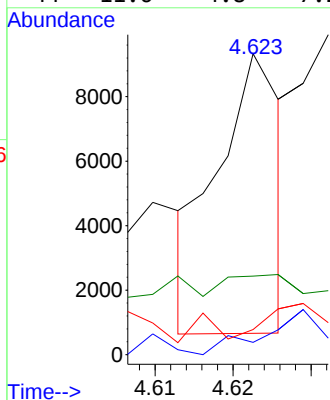
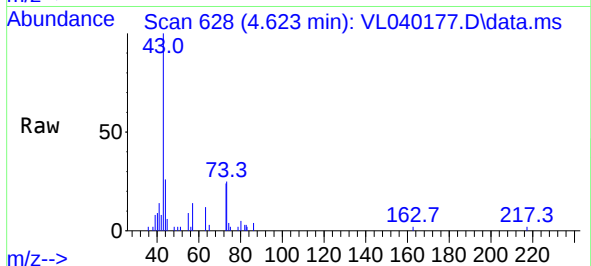


#23
 Vinyl Acetate
 Concen: 0.144 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 4971

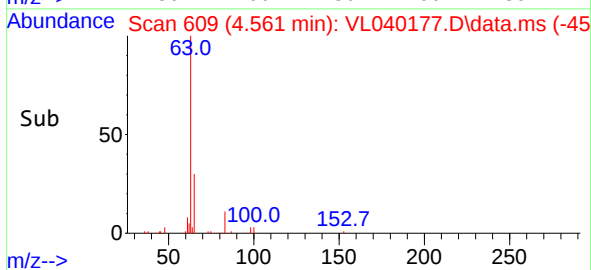
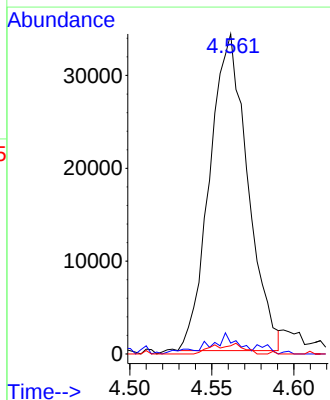
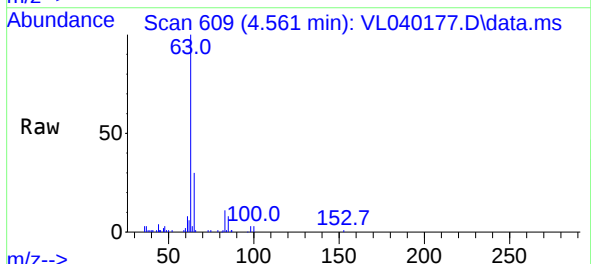
Ion	Ratio	Lower	Upper
43	100		
86	4.6	5.6	8.4#
42	8.4	7.6	11.4
44	11.6	4.8	7.2#

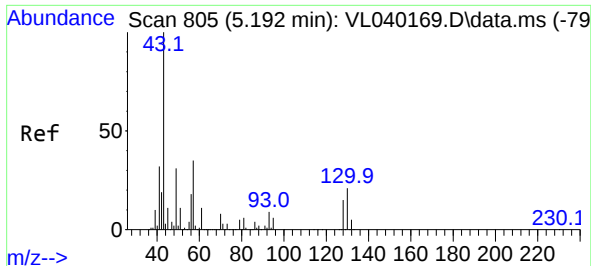


#24
 1,1-Dichloroethane
 Concen: 0.510 ppbv
 RT: 4.561 min Scan# 609
 Delta R.T. 0.013 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Tgt Ion: 63 Resp: 54867

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.3	6.8
100	2.6	1.4	4.0



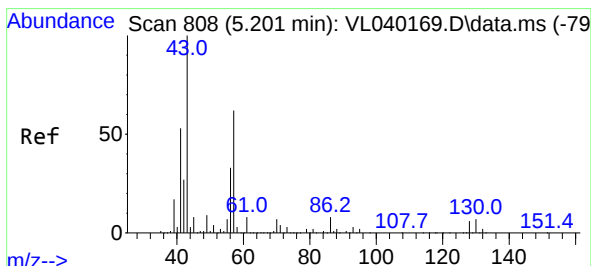
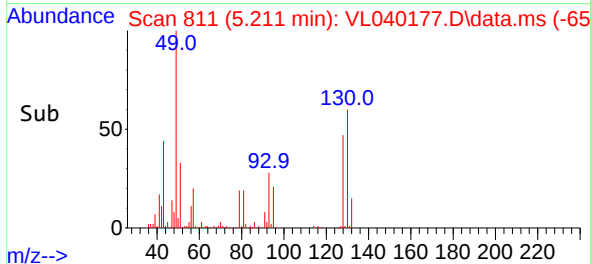
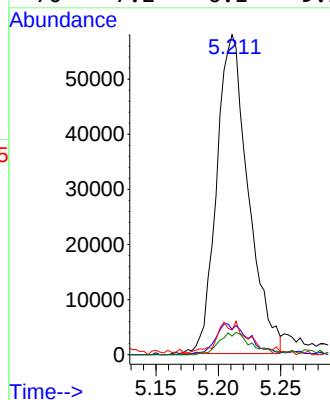
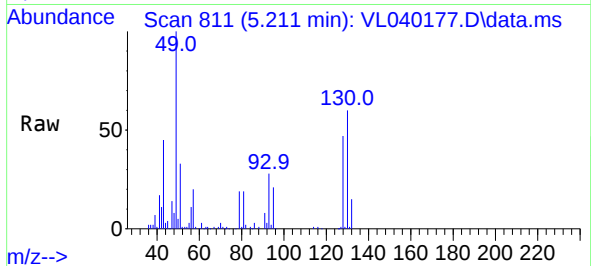


#25
Ethyl Acetate
Concen: 0.485 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 102296

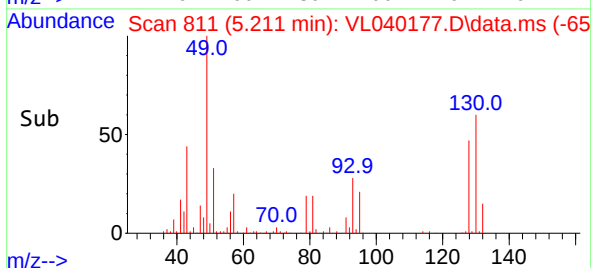
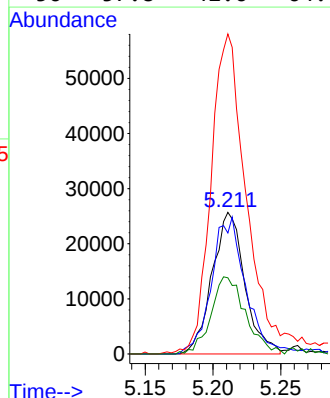
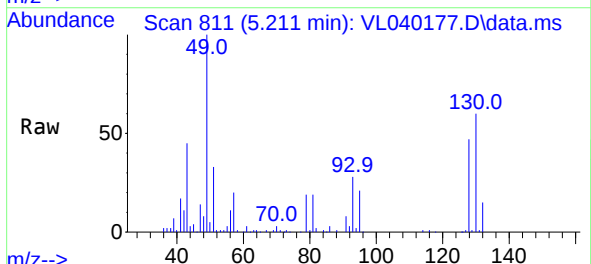
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.3	12.5
61	11.6	8.4	12.6
70	7.2	6.1	9.1

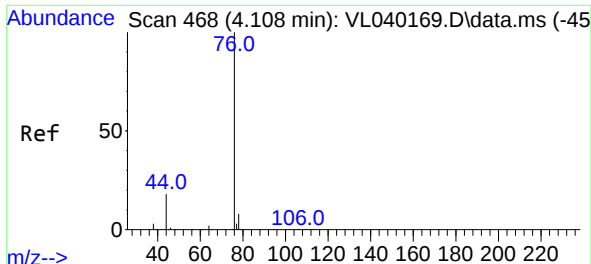


#26
Hexane
Concen: 0.475 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 57 Resp: 42963

Ion	Ratio	Lower	Upper
57	100		
41	104.5	74.3	111.5
43	262.1	193.0	289.4
56	57.8	42.6	64.0

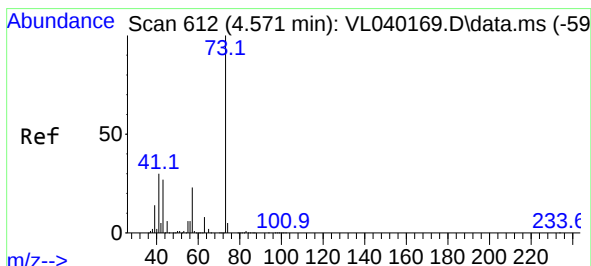
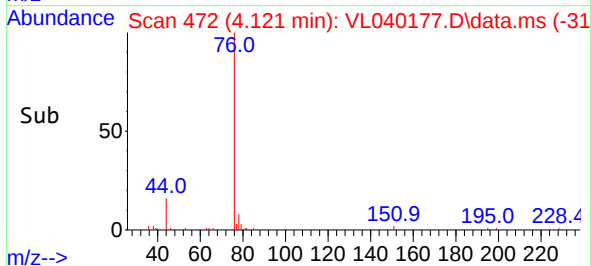
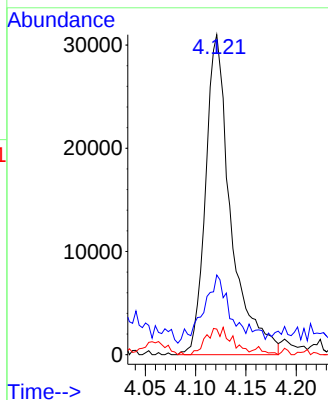
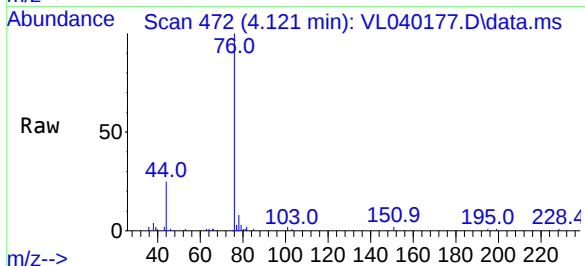




#27
Carbon Disulfide
Concen: 0.471 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

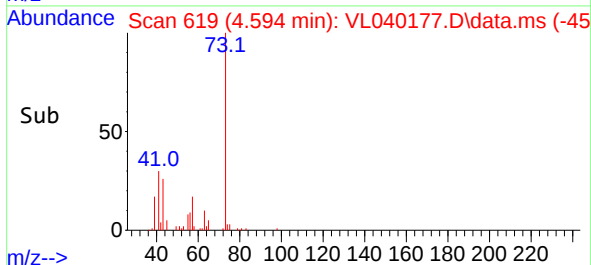
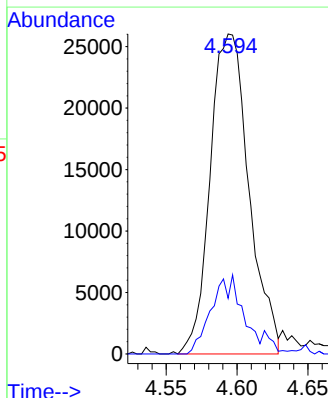
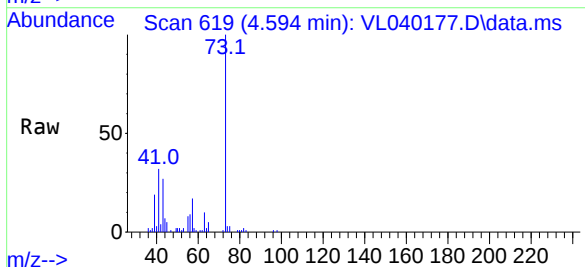
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

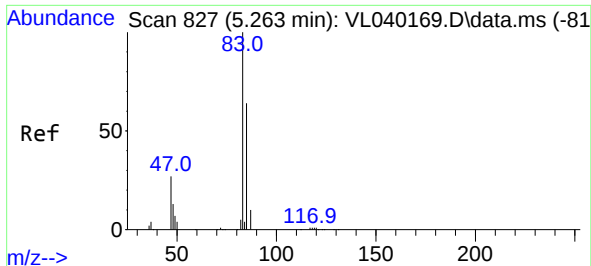
Tgt Ion: 76 Resp: 54027
Ion Ratio Lower Upper
76 100
44 22.6 15.3 22.9
78 10.5 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 0.511 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.022 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 73 Resp: 49511
Ion Ratio Lower Upper
73 100
57 22.4 18.8 28.2





#29

Chloroform

Concen: 0.523 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

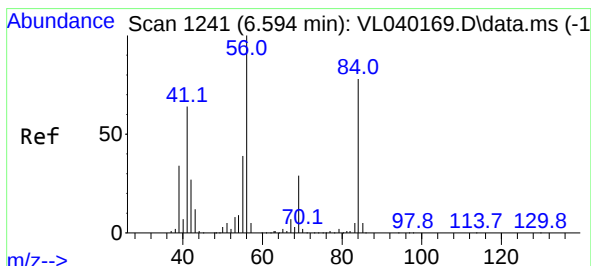
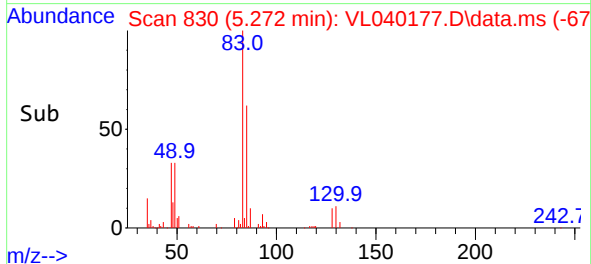
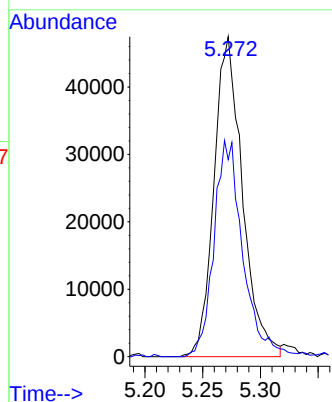
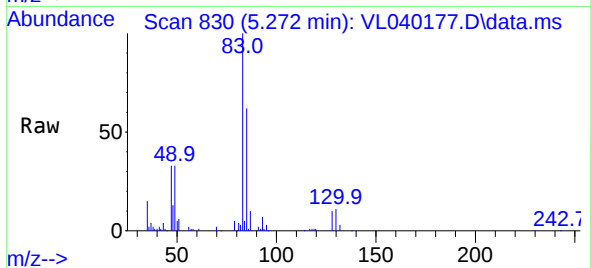
VSTDICC0.5

Tgt Ion: 83 Resp: 81285

Ion Ratio Lower Upper

83 100

85 61.6 51.5 77.3



#30

Cyclohexane

Concen: 0.409 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

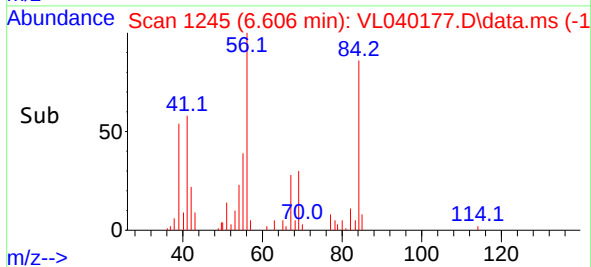
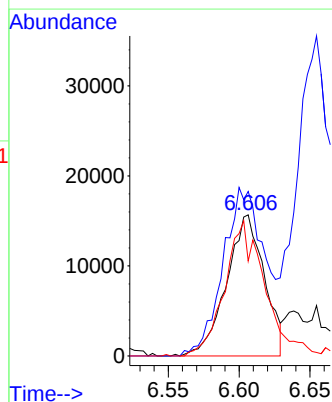
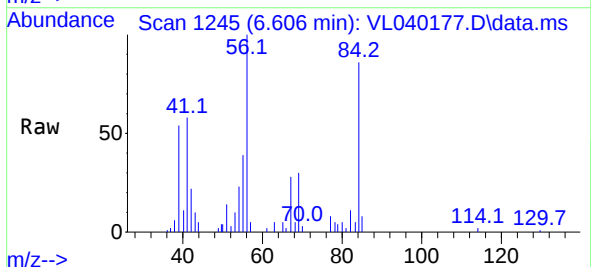
Tgt Ion: 84 Resp: 29047

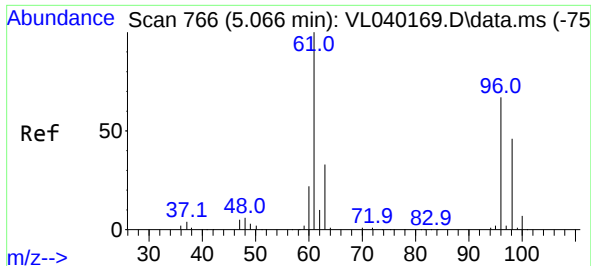
Ion Ratio Lower Upper

84 100

56 135.1 109.9 164.9

41 103.8 67.8 101.6#

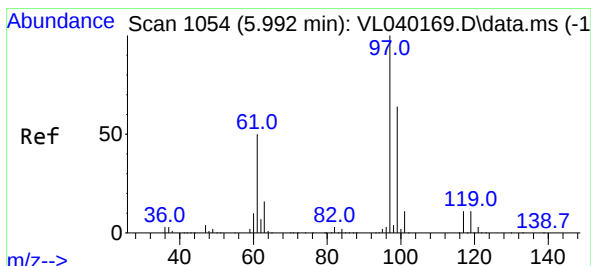
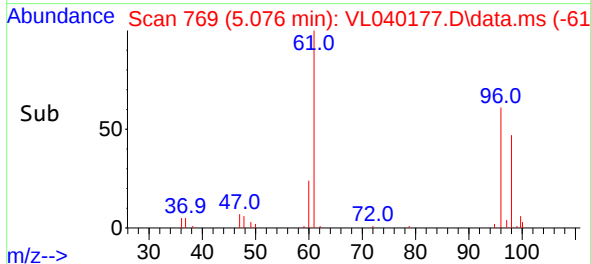
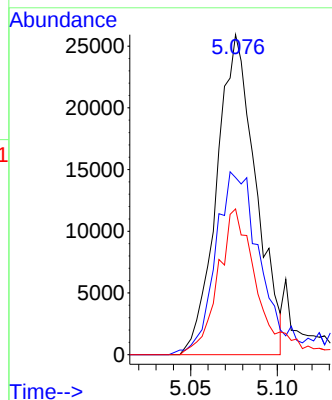
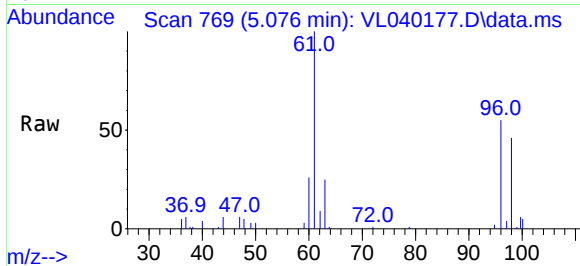




#31
 cis-1,2-Dichloroethene
 Concen: 0.472 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

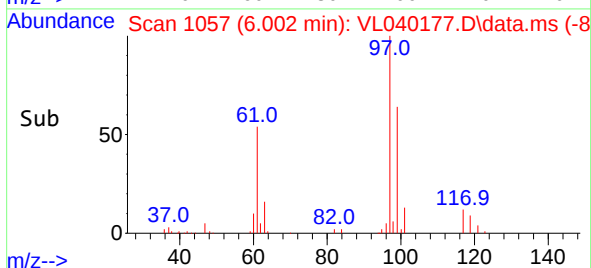
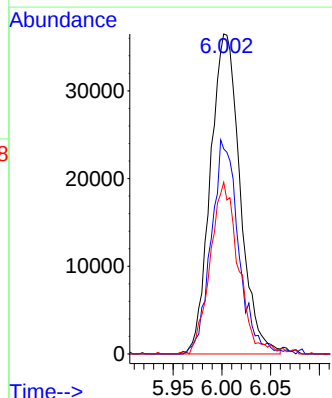
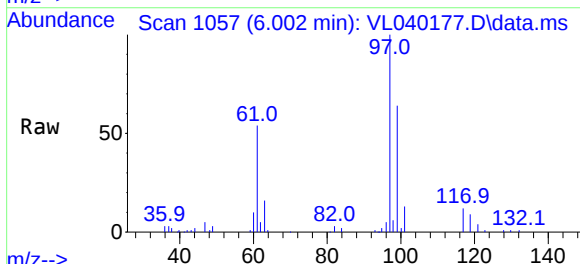
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

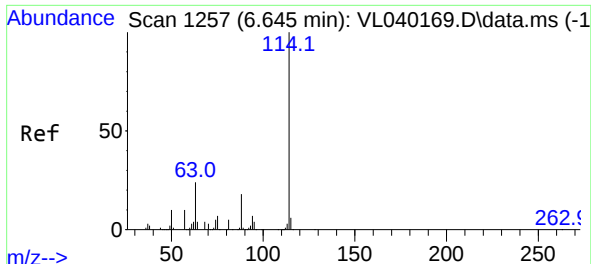
Tgt Ion: 61 Resp: 40618
 Ion Ratio Lower Upper
 61 100
 96 53.9 53.7 80.5
 98 45.5 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 0.529 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Tgt Ion: 97 Resp: 77173
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.5 77.3
 61 51.8 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

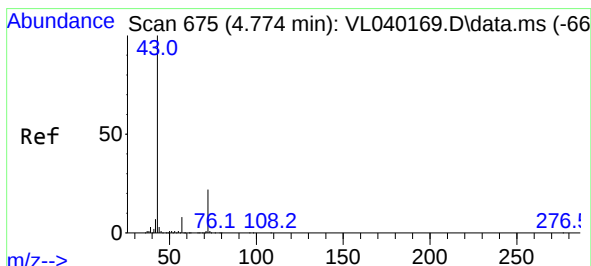
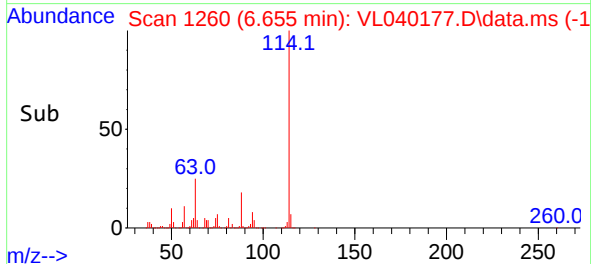
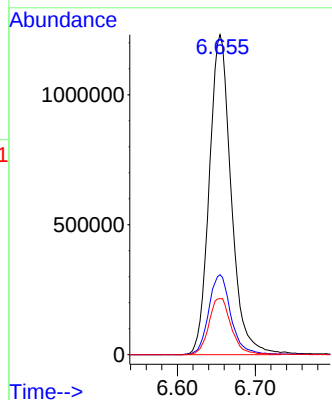
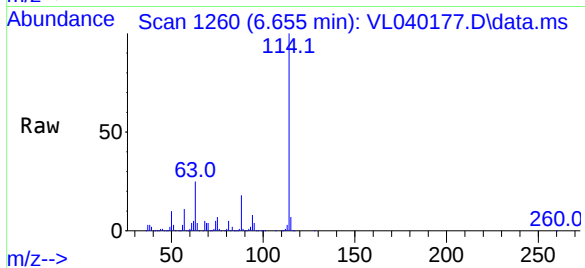
Tgt Ion:114 Resp: 2396738

Ion Ratio Lower Upper

114 100

63 25.7 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.492 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.022 min

Lab File: VL040177.D

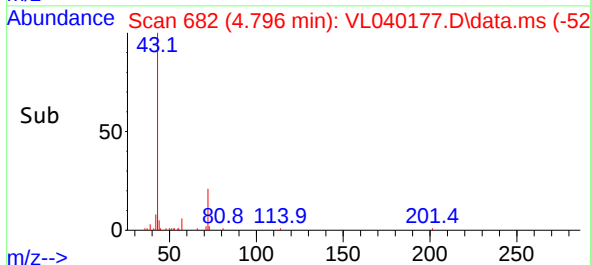
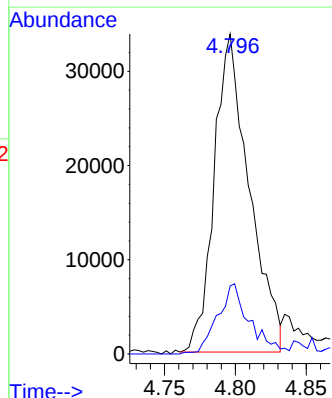
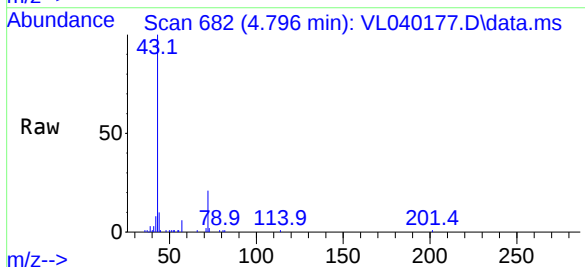
Acq: 15 Feb 2023 15:48

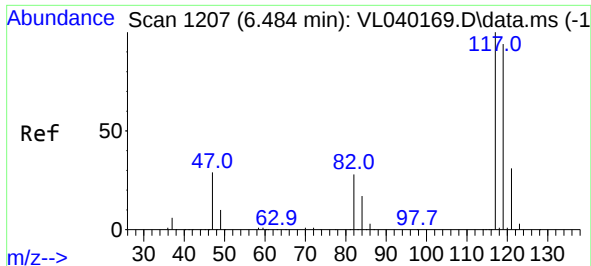
Tgt Ion: 43 Resp: 58184

Ion Ratio Lower Upper

43 100

72 22.9 17.8 26.8

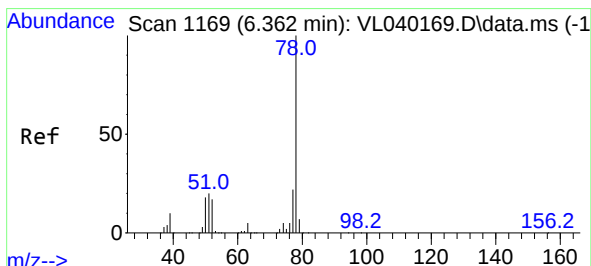
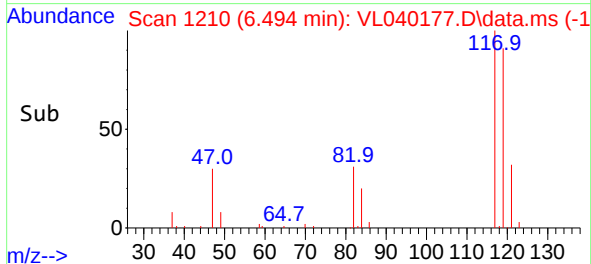
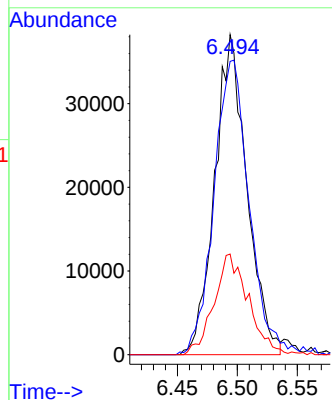
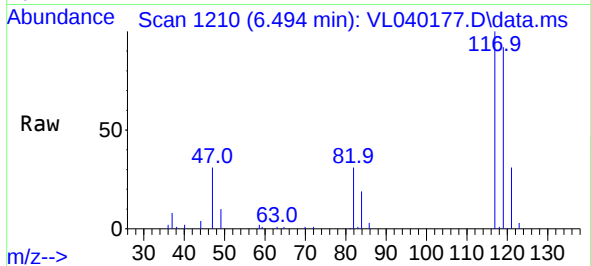




#35
Carbon Tetrachloride
Concen: 0.505 ppbv
RT: 6.494 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

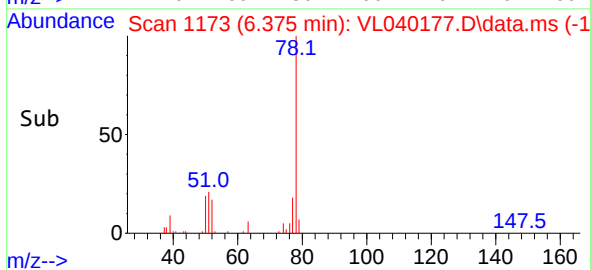
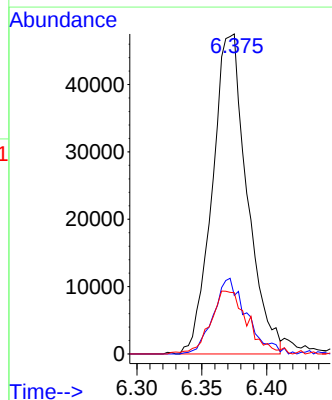
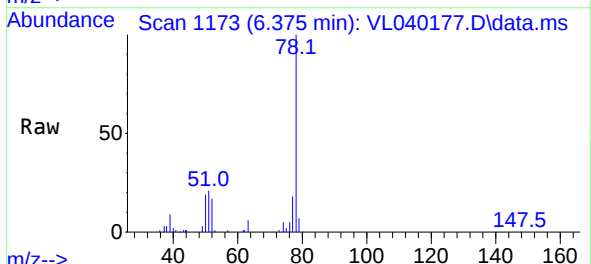
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

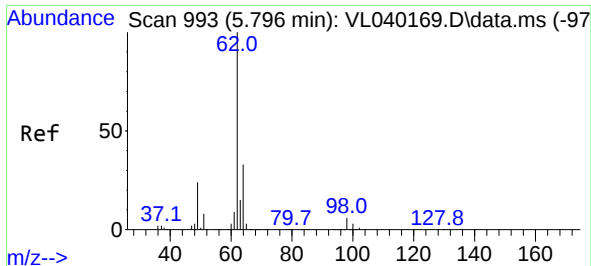
Tgt Ion:117 Resp: 71535
Ion Ratio Lower Upper
117 100
119 90.8 75.0 112.6
121 31.5 25.0 37.4



#36
Benzene
Concen: 0.473 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 78 Resp: 88285
Ion Ratio Lower Upper
78 100
77 18.3 17.5 26.3
50 18.0 14.6 22.0





#37

1,2-Dichloroethane

Concen: 0.512 ppbv

RT: 5.809 min Scan# 993

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

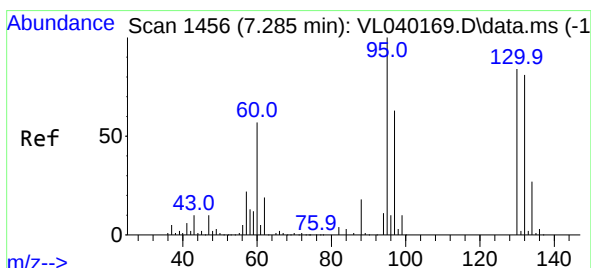
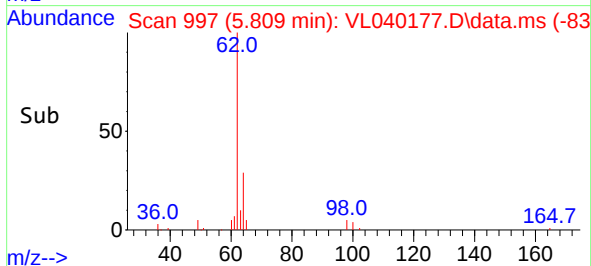
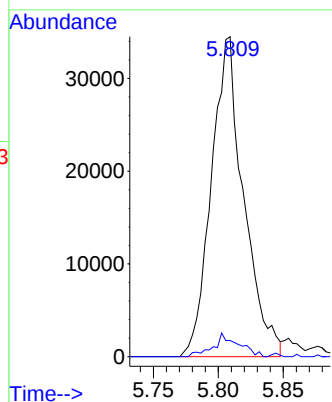
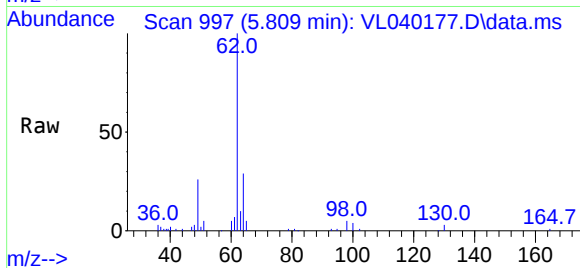
VSTDIC0.5

Tgt Ion: 62 Resp: 59672

Ion Ratio Lower Upper

62 100

98 6.0 4.7 7.1



#38

Trichloroethene

Concen: 0.493 ppbv

RT: 7.294 min Scan# 1459

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion:130 Resp: 50702

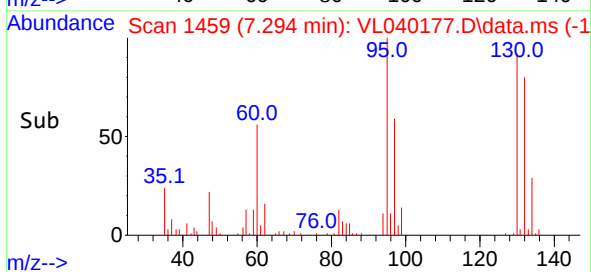
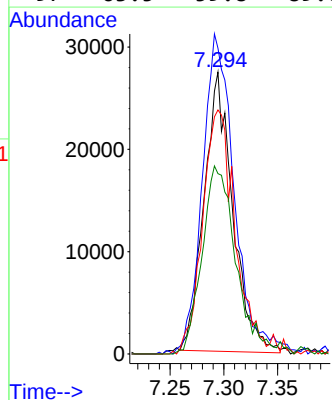
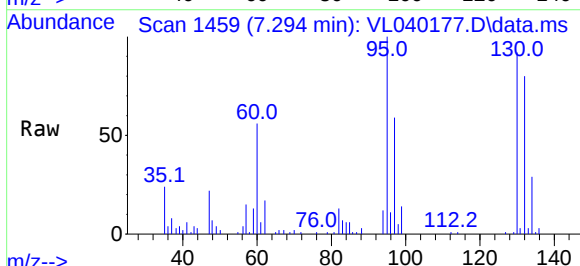
Ion Ratio Lower Upper

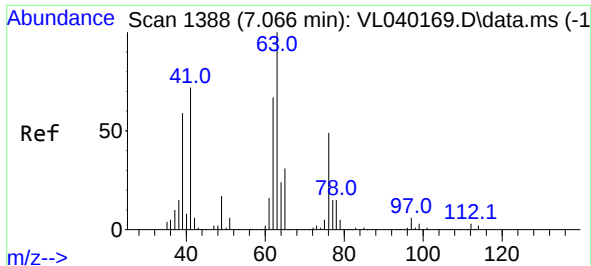
130 100

95 107.3 94.7 142.1

132 86.8 76.4 114.6

97 63.5 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.202 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

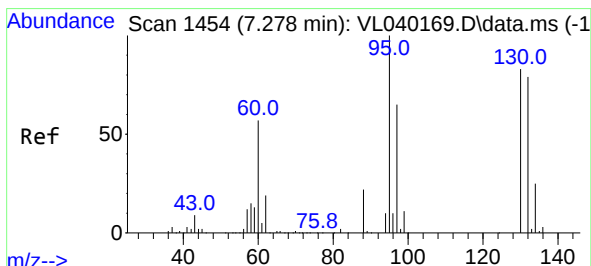
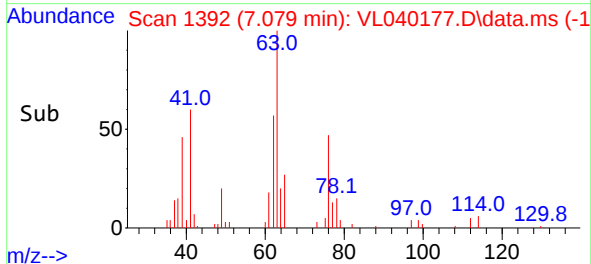
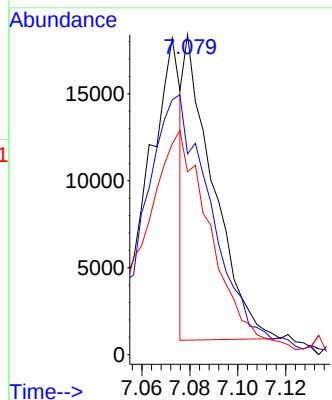
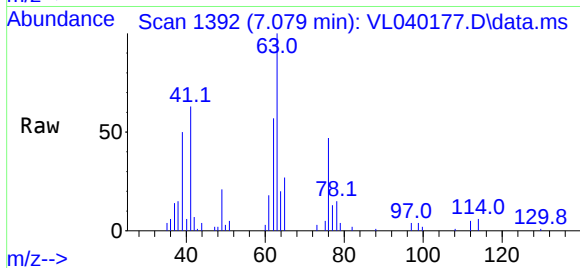
Tgt Ion: 63 Resp: 14625

Ion Ratio Lower Upper

63 100

41 60.4 57.6 86.4

62 55.9 54.0 81.0



#40

1,4-Dioxane

Concen: 0.528 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. 0.042 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion: 88 Resp: 15322

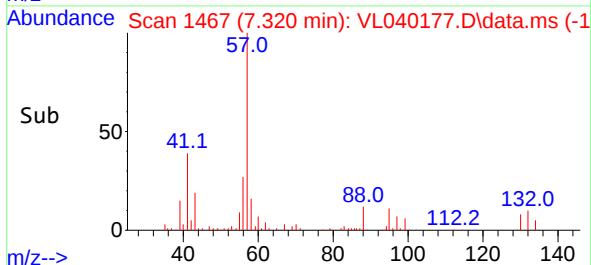
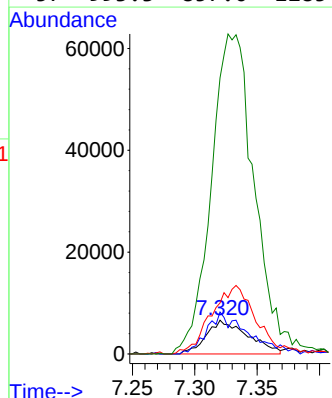
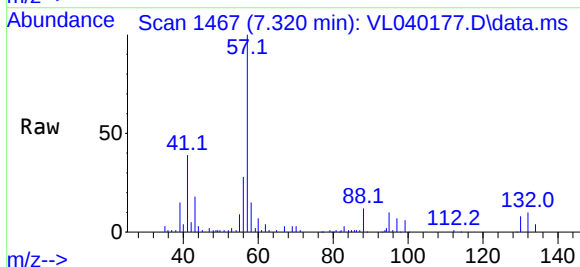
Ion Ratio Lower Upper

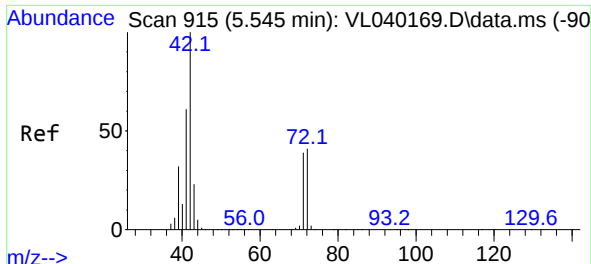
88 100

58 128.2 97.4 146.0

43 225.8 193.5 290.3

57 993.3 857.0 1285.6





#41

Tetrahydrofuran

Concen: 0.425 ppbv

RT: 5.581 min Scan# 915

Delta R.T. 0.035 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

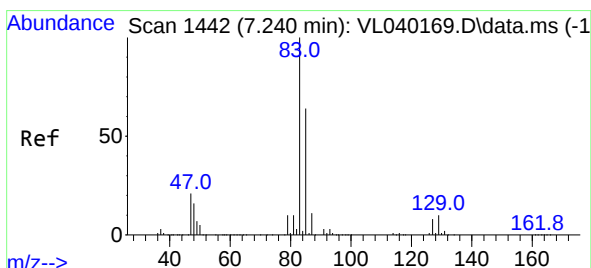
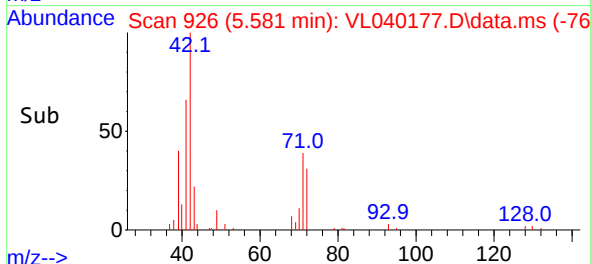
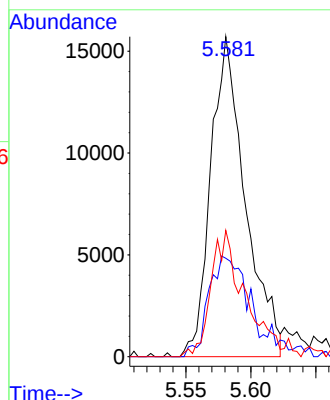
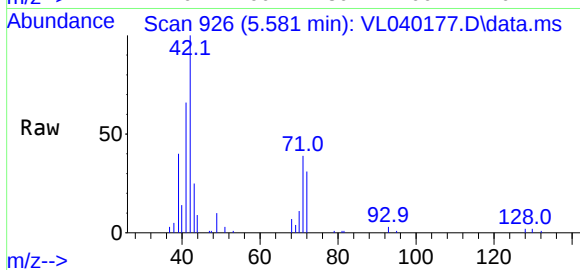
Tgt Ion: 42 Resp: 29094

Ion Ratio Lower Upper

42 100

72 39.6 33.0 49.4

71 39.2 31.4 47.2



#42

Bromodichloromethane

Concen: 0.487 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

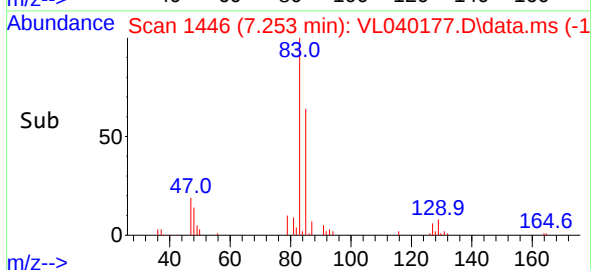
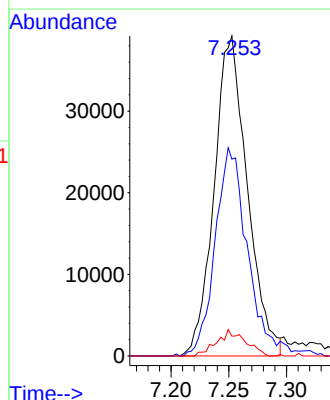
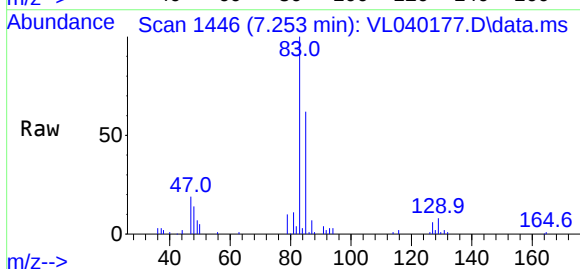
Tgt Ion: 83 Resp: 78492

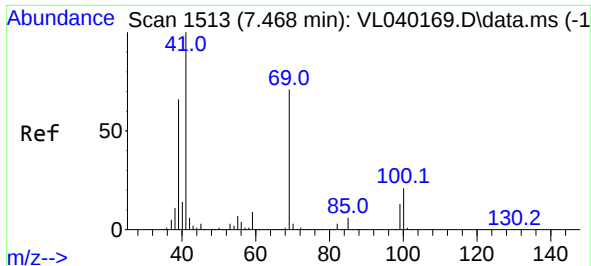
Ion Ratio Lower Upper

83 100

85 61.5 50.9 76.3

127 6.2 6.2 9.2

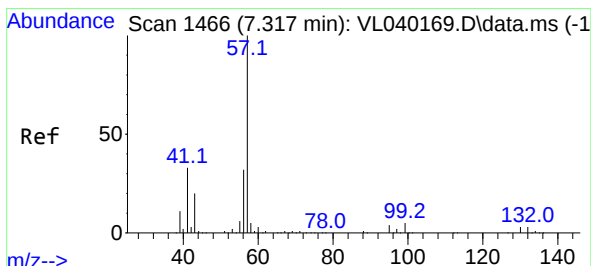
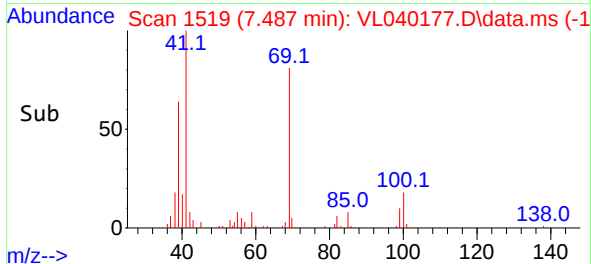
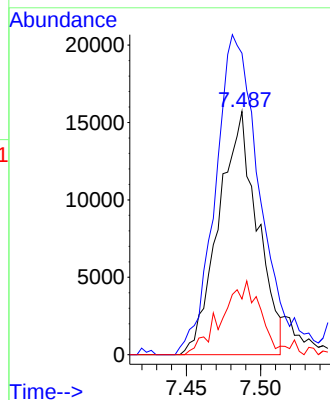
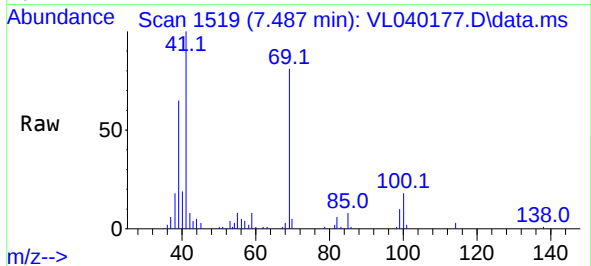




#43
Methyl Methacrylate
Concen: 0.414 ppbv
RT: 7.487 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

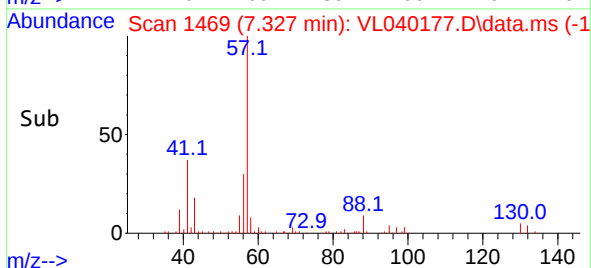
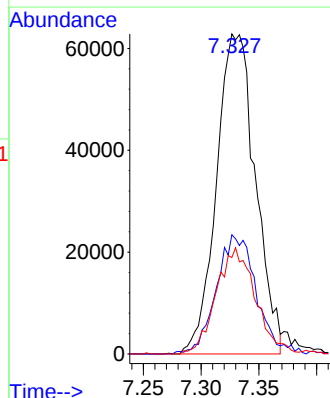
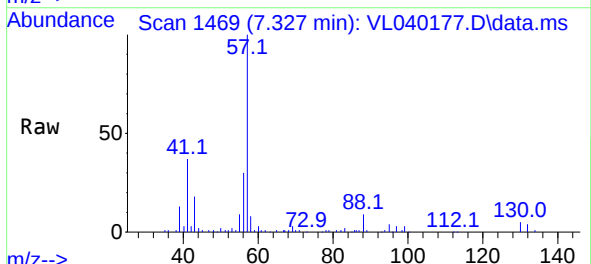
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

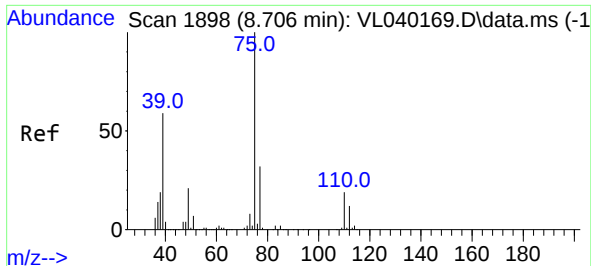
Tgt Ion: 69 Resp: 28567
Ion Ratio Lower Upper
69 100
41 153.0 116.6 174.8
100 31.6 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 0.474 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 57 Resp: 147500
Ion Ratio Lower Upper
57 100
41 38.4 26.2 39.4
56 33.8 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.041 ppbv

RT: 8.745 min Scan# 1898

Delta R.T. 0.038 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

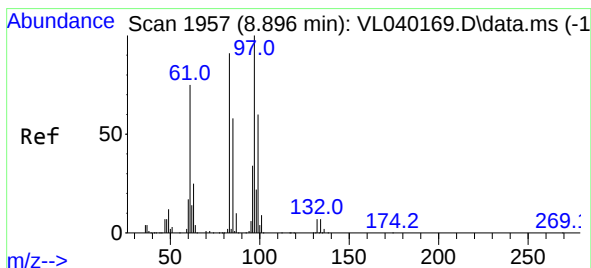
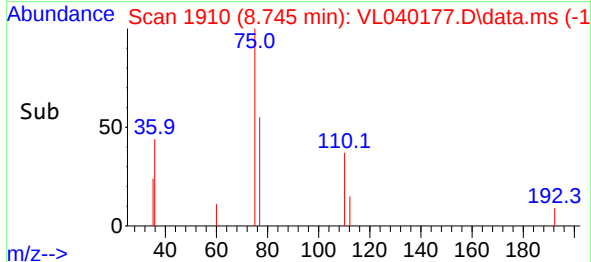
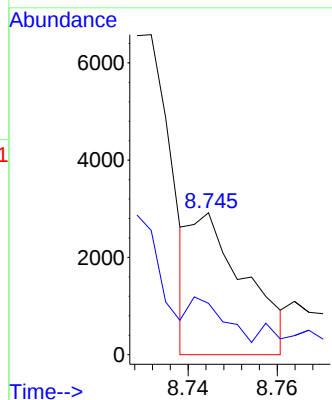
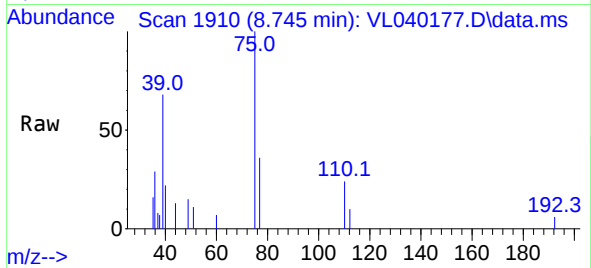
VSTDICC0.5

Tgt Ion: 75 Resp: 2498

Ion Ratio Lower Upper

75 100

77 36.2 25.7 38.5



#47

1,1,2-Trichloroethane

Concen: 0.497 ppbv

RT: 8.905 min Scan# 1960

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion: 97 Resp: 38986

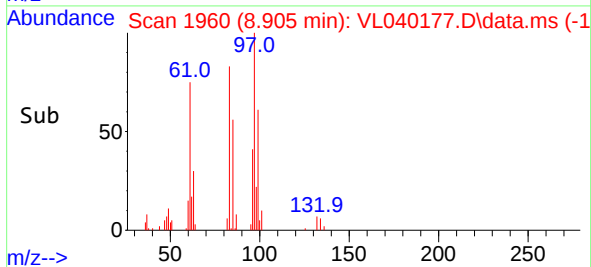
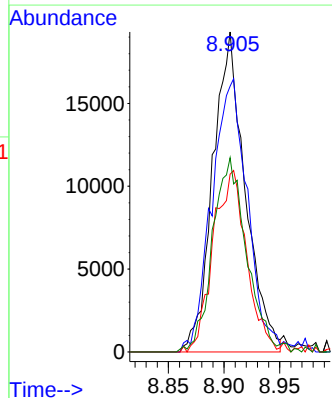
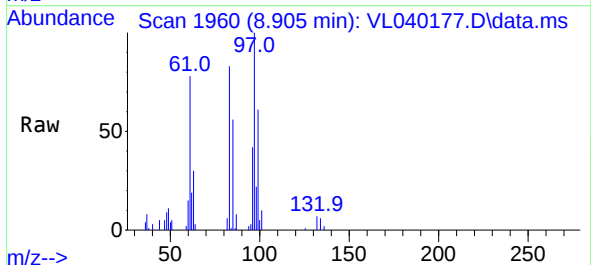
Ion Ratio Lower Upper

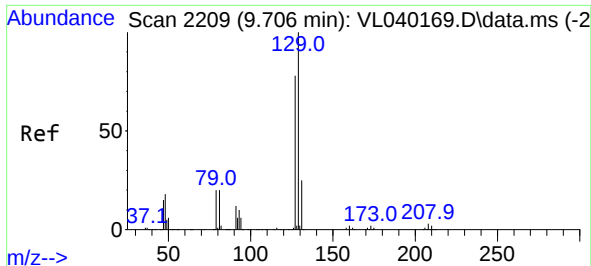
97 100

83 83.1 72.8 109.2

85 55.5 46.6 69.8

99 59.9 47.8 71.6

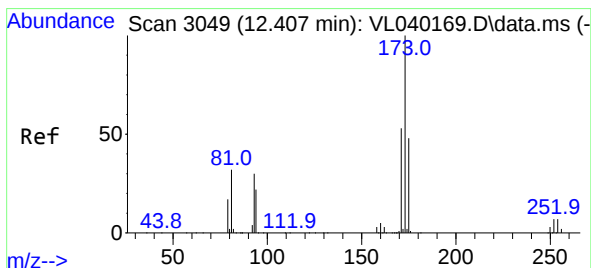
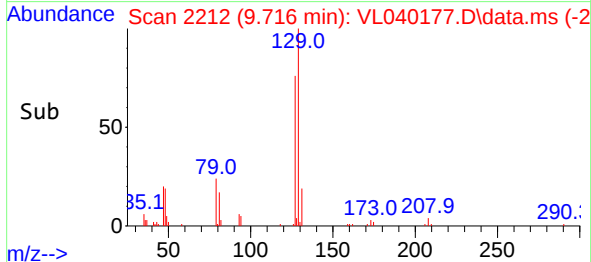
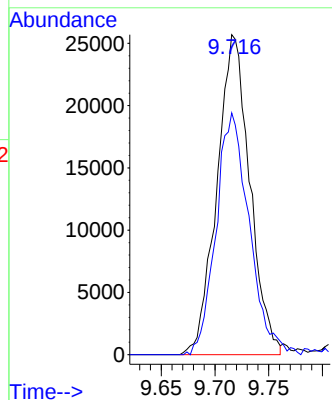
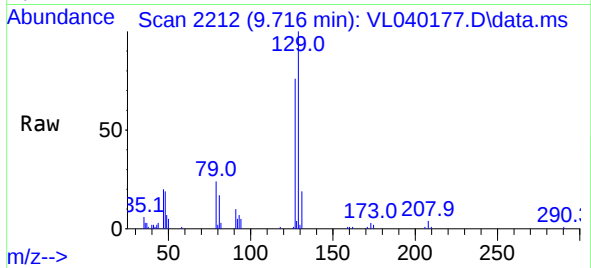




#48
Dibromochloromethane
Concen: 0.435 ppbv
RT: 9.716 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

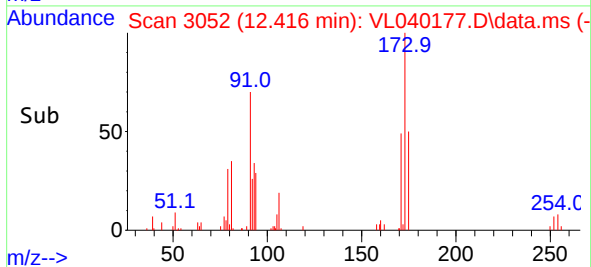
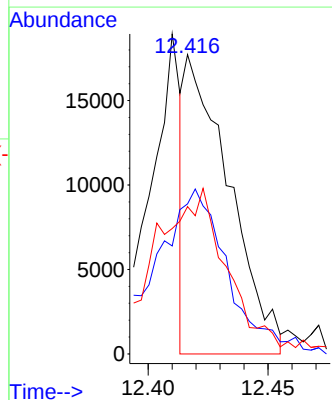
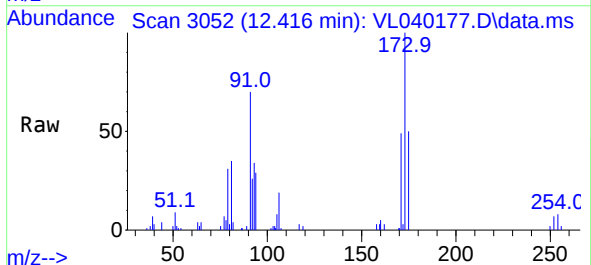
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

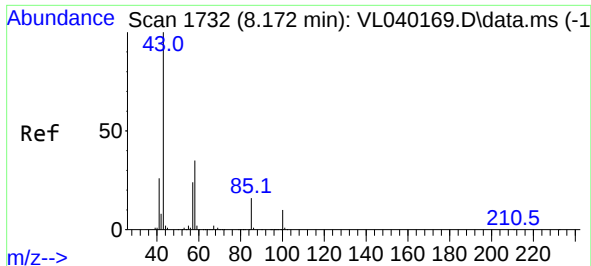
Tgt Ion:129 Resp: 54549
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2



#49
Bromoform
Concen: 0.232 ppbv
RT: 12.416 min Scan# 3052
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:173 Resp: 22704
Ion Ratio Lower Upper
173 100
175 91.1 39.4 59.0#
171 94.3 41.8 62.6#





#50

4-Methyl-2-Pentanone

Concen: 0.428 ppbv

RT: 8.204 min Scan# 1

Delta R.T. 0.032 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

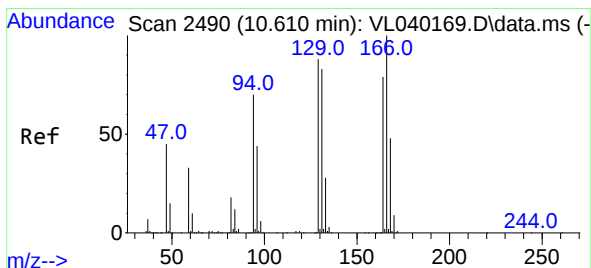
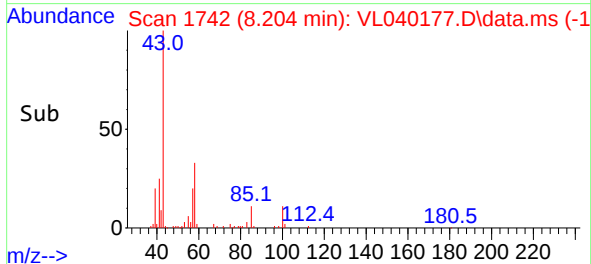
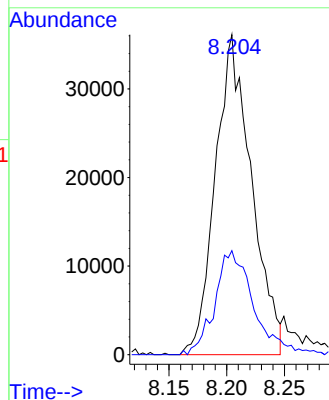
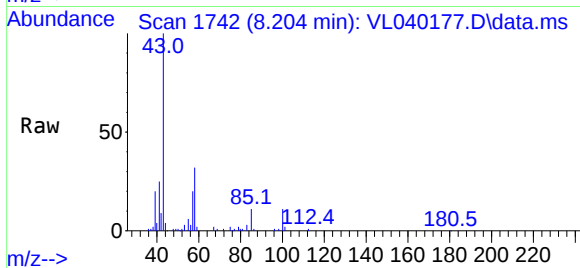
VSTDICC0.5

Tgt Ion: 43 Resp: 78558

Ion Ratio Lower Upper

43 100

58 35.2 29.2 43.8



#52

Tetrachloroethene

Concen: 0.477 ppbv

RT: 10.626 min Scan# 2495

Delta R.T. 0.016 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion: 164 Resp: 27804

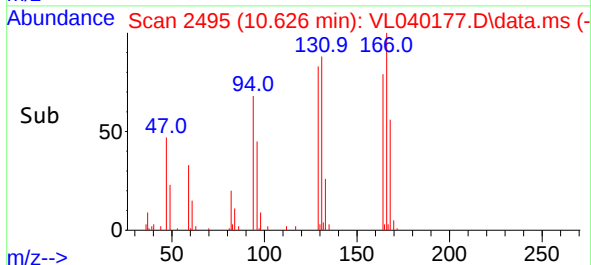
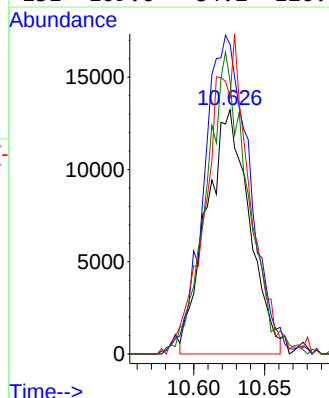
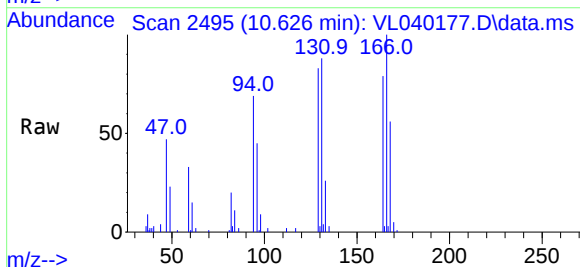
Ion Ratio Lower Upper

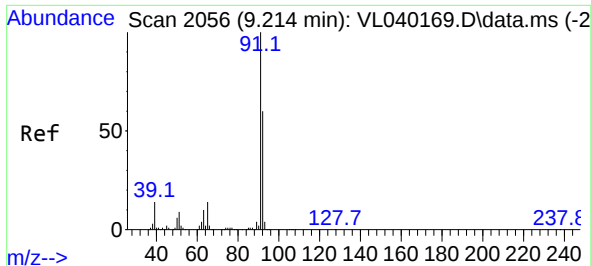
164 100

166 124.7 101.5 152.3

129 100.4 89.0 133.4

131 109.6 84.2 126.4

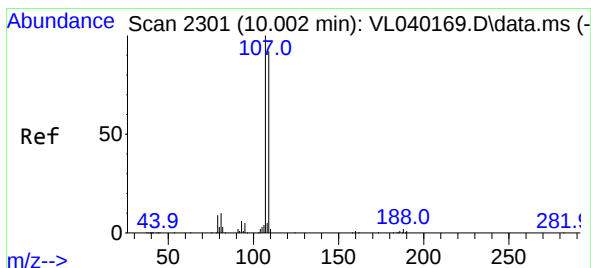
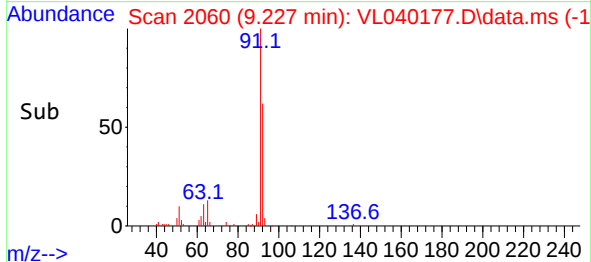
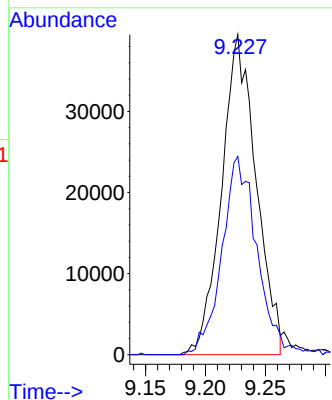
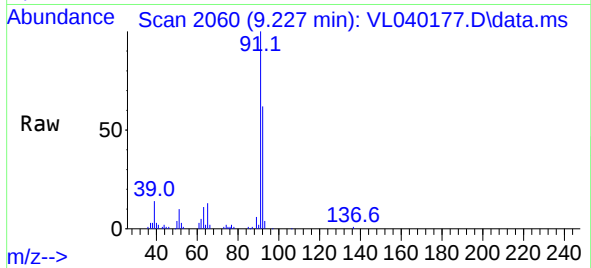




#53
Toluene
Concen: 0.395 ppbv
RT: 9.227 min Scan# 2056
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

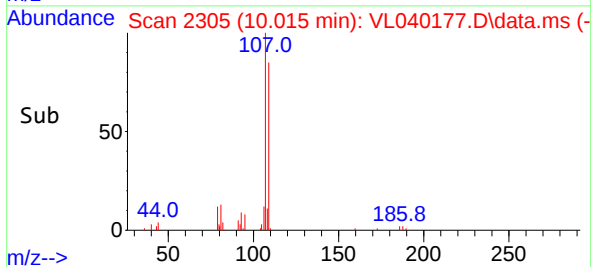
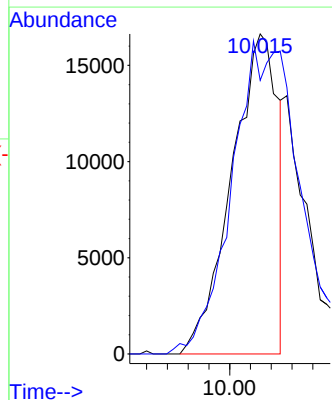
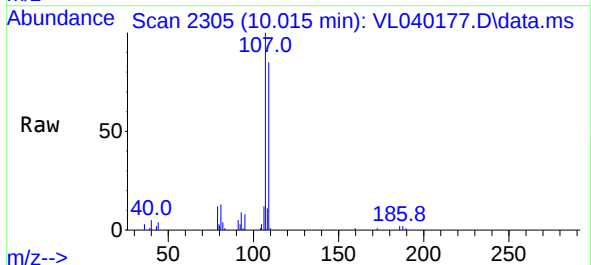
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

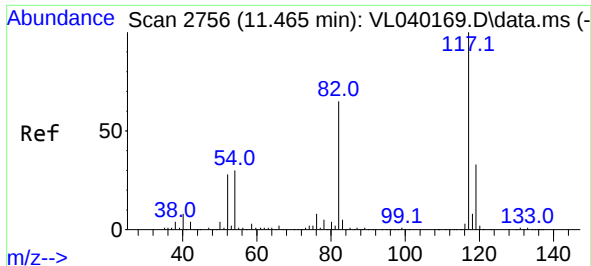
Tgt Ion: 91 Resp: 78977
Ion Ratio Lower Upper
91 100
92 63.6 48.9 73.3



#54
1,2-Dibromoethane
Concen: 0.314 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 107 Resp: 25631
Ion Ratio Lower Upper
107 100
109 82.3 73.8 110.8

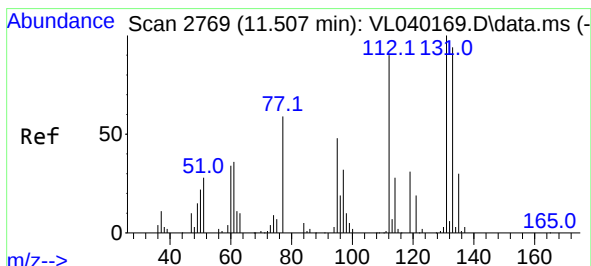
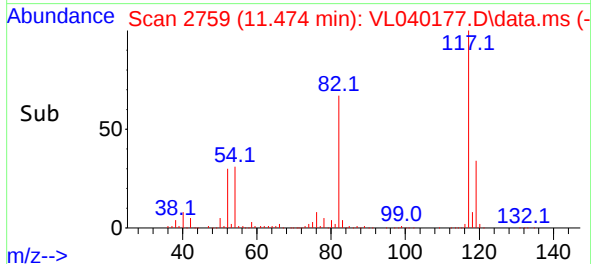
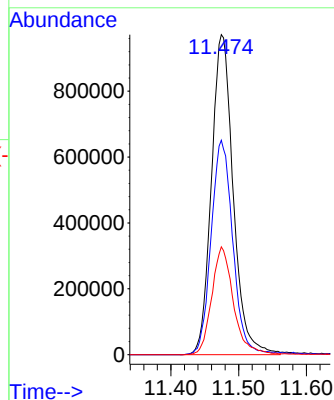
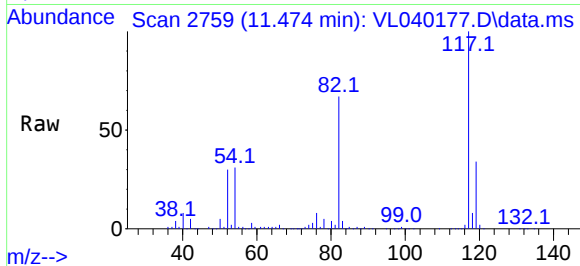




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

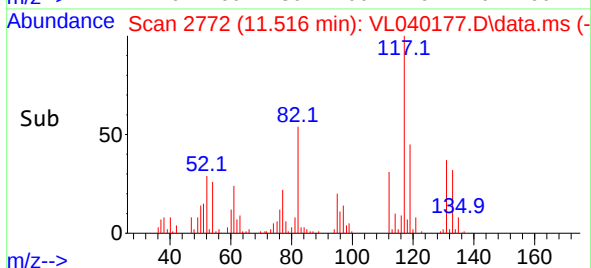
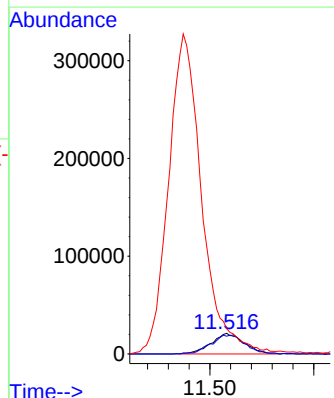
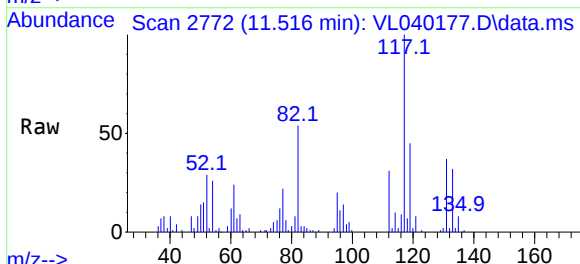
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

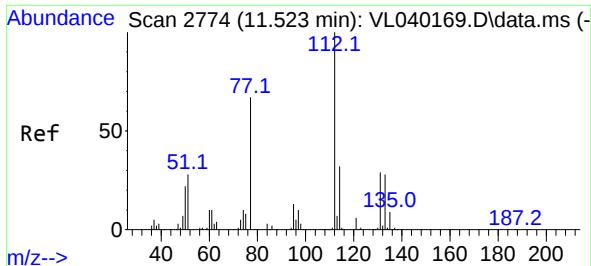
Tgt Ion:117 Resp: 2169923
Ion Ratio Lower Upper
117 100
82 67.4 53.3 79.9
119 33.8 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.509 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:131 Resp: 46334
Ion Ratio Lower Upper
131 100
133 94.9 76.2 114.2
119 1580.2 45.4 68.0#

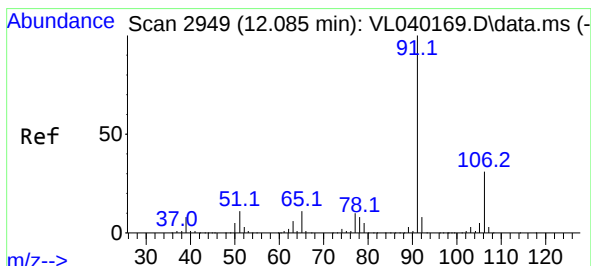
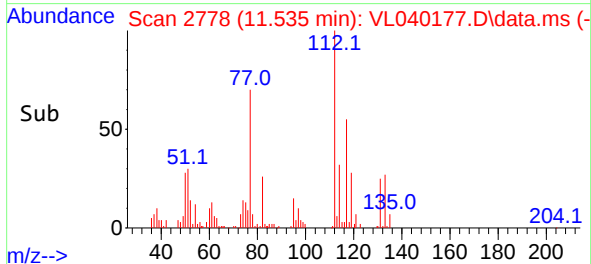
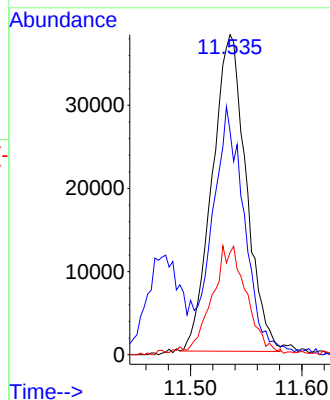
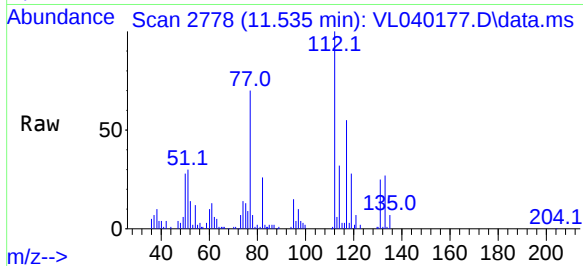




#57
Chlorobenzene
Concen: 0.510 ppbv
RT: 11.535 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

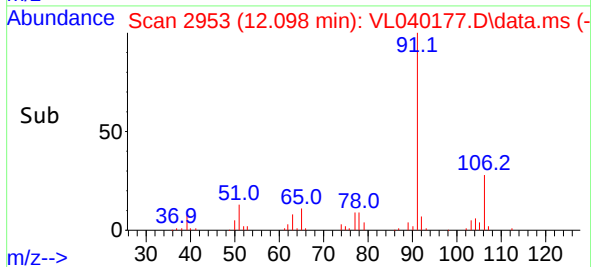
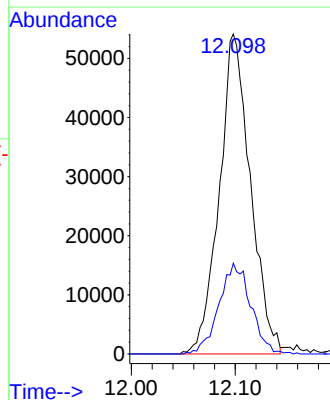
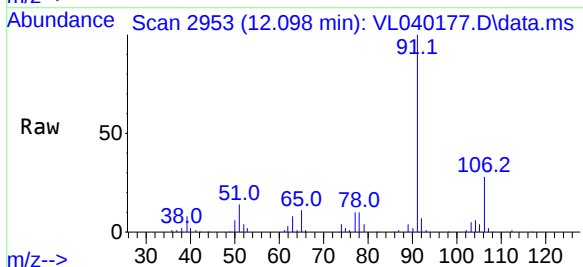
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

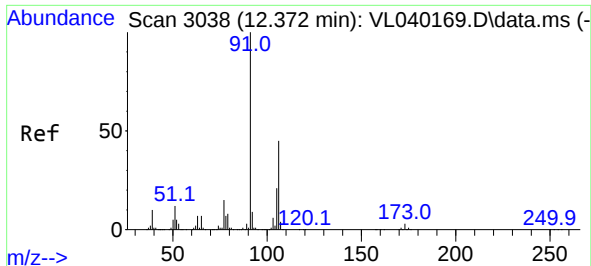
Tgt Ion:112 Resp: 80791
Ion Ratio Lower Upper
112 100
77 67.9 55.0 82.4
114 30.8 29.0 35.4



#58
Ethyl Benzene
Concen: 0.427 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 112518
Ion Ratio Lower Upper
91 100
106 28.3 24.9 37.3





#59

m/p-Xylene

Concen: 0.321 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_1

ClientSampleId :

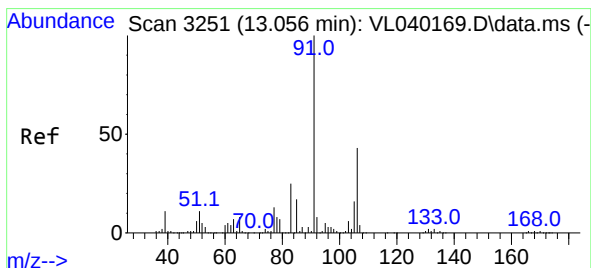
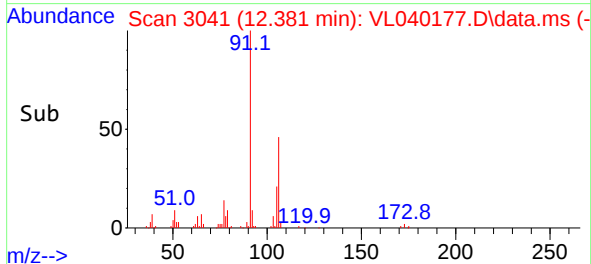
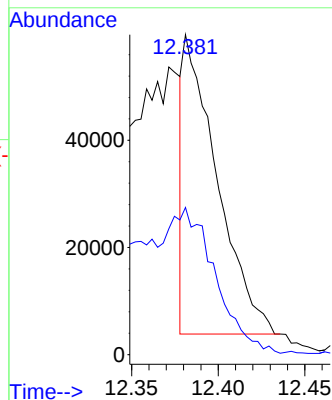
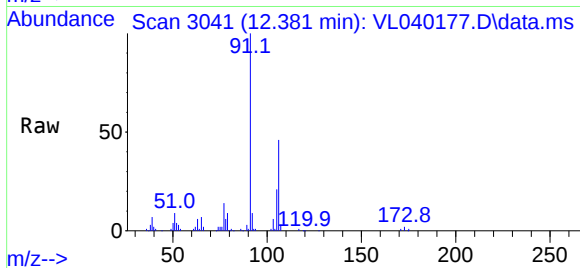
VSTDIC0.5

Tgt Ion: 91 Resp: 75053

Ion Ratio Lower Upper

91 100

106 125.2 34.6 51.8#



#60

o-Xylene

Concen: 0.239 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.006 min

Lab File: VL040177.D

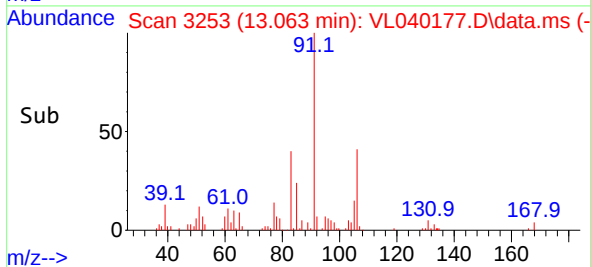
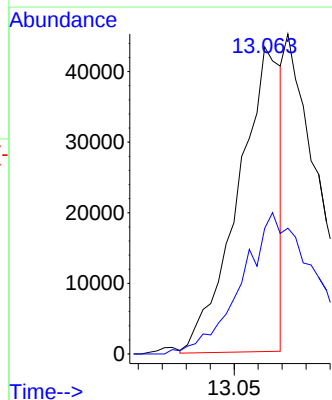
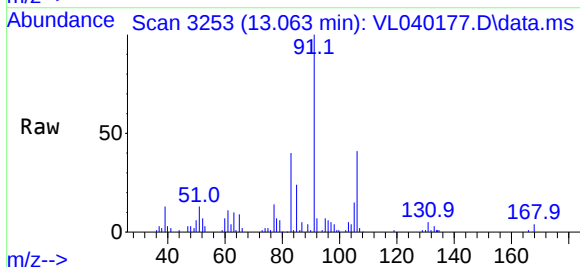
Acq: 15 Feb 2023 15:48

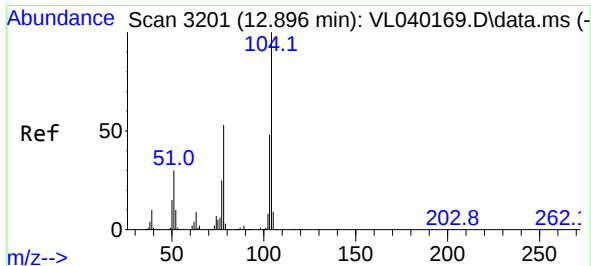
Tgt Ion: 91 Resp: 53657

Ion Ratio Lower Upper

91 100

106 79.2 21.6 65.0#

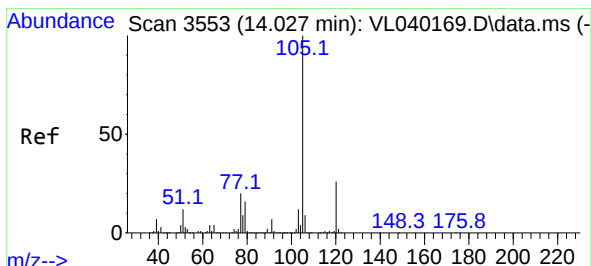
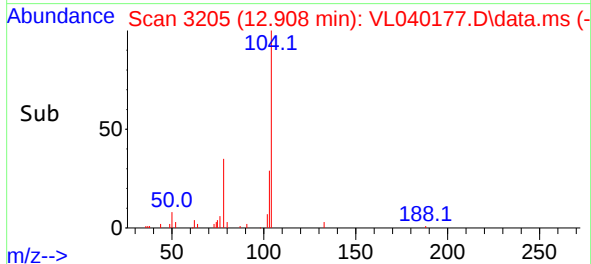
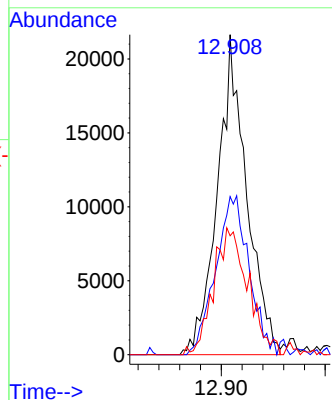
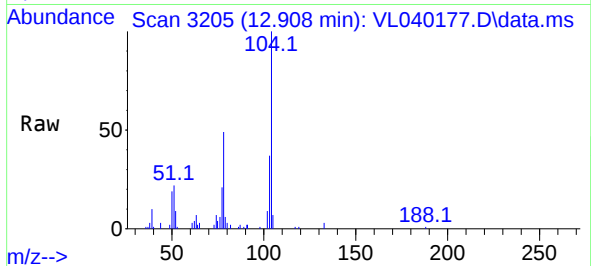




#61
Styrene
Concen: 0.359 ppbv
RT: 12.908 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

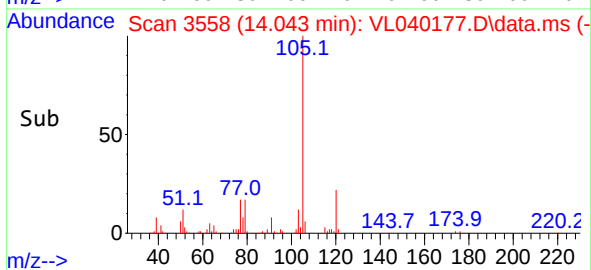
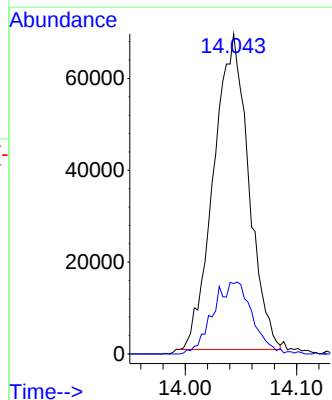
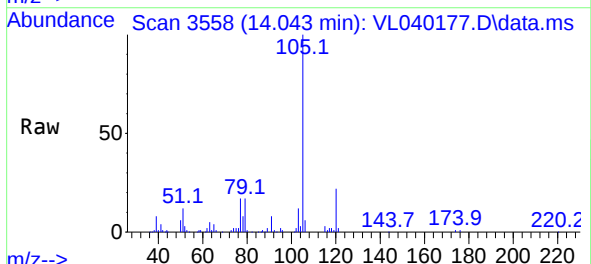
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

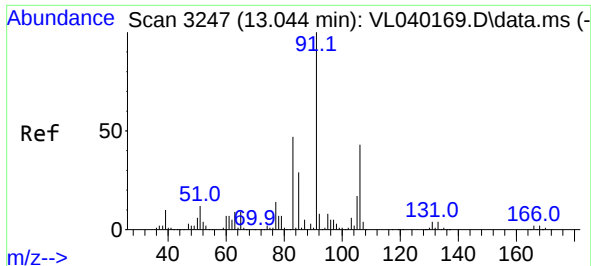
Tgt Ion:104 Resp: 42342
Ion Ratio Lower Upper
104 100
78 58.6 42.3 63.5
103 46.8 37.5 56.3



#62
Isopropylbenzene
Concen: 0.465 ppbv
RT: 14.043 min Scan# 3558
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:105 Resp: 149976
Ion Ratio Lower Upper
105 100
120 25.7 20.3 30.5

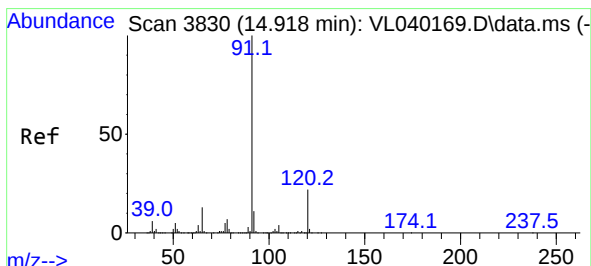
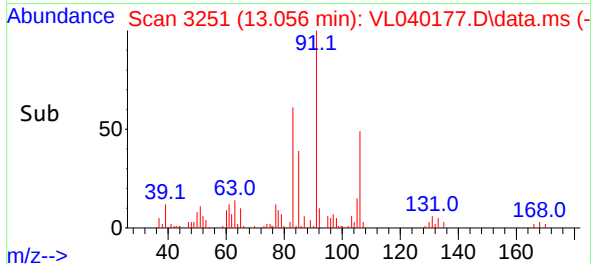
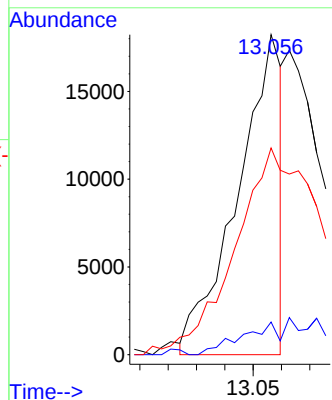
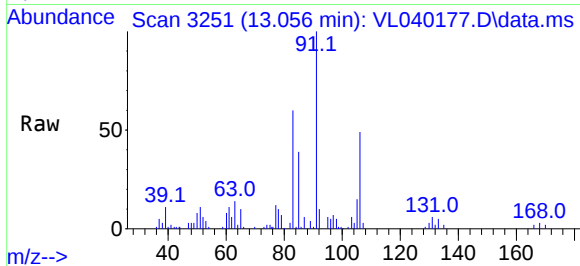




#63
1,1,2,2-Tetrachloroethane
Concen: 0.243 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

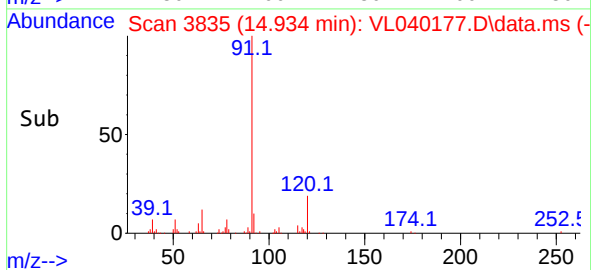
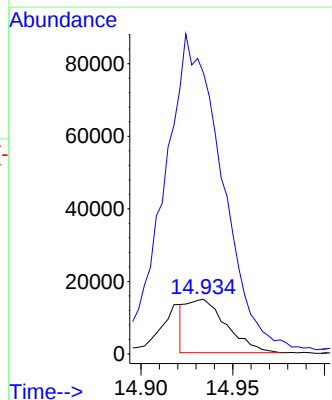
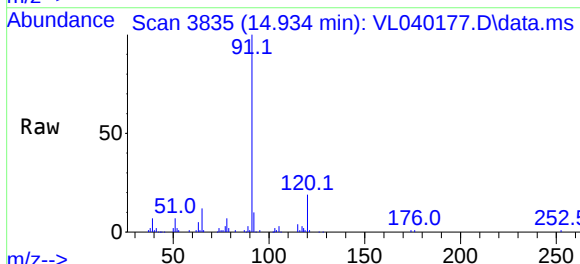
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

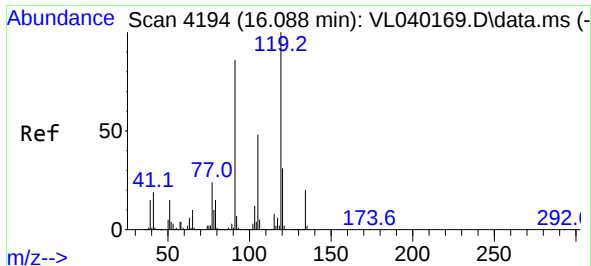
Tgt Ion: 83 Resp: 19678
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2#
85 147.7 33.0 99.0#



#64
n-propylbenzene
Concen: 0.284 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 120 Resp: 22641
Ion Ratio Lower Upper
120 100
91 876.1 389.8 584.8#

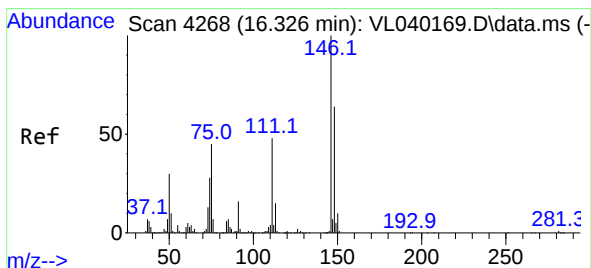
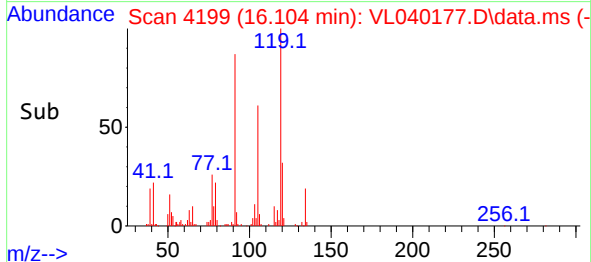
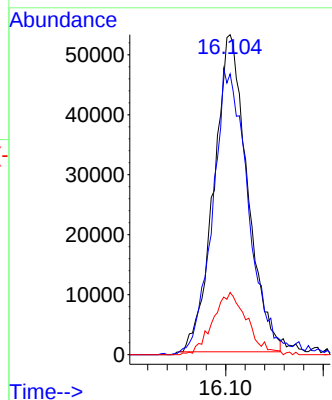
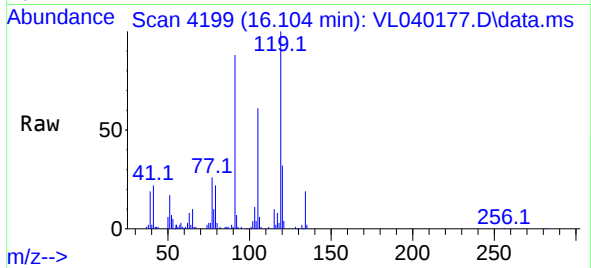




#65
tert-Butylbenzene
Concen: 0.450 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

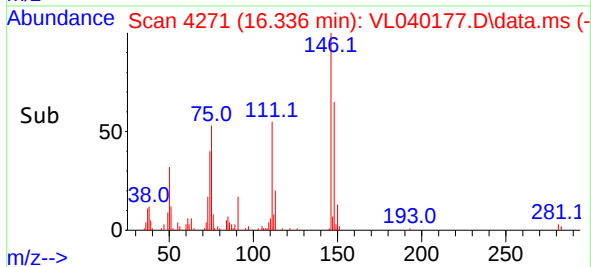
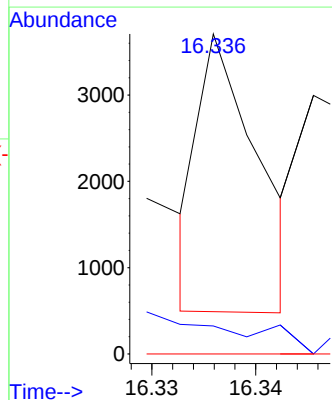
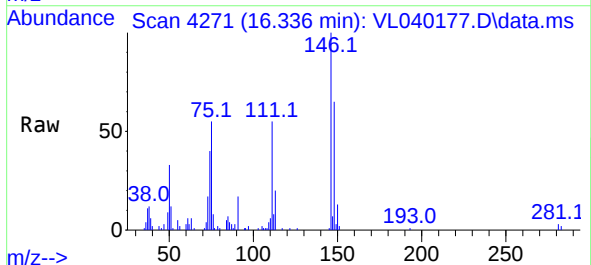
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

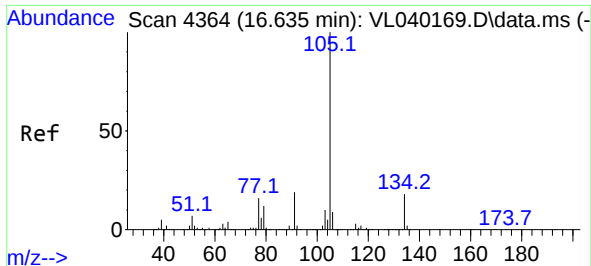
Tgt Ion:119 Resp: 126032
Ion Ratio Lower Upper
119 100
91 97.7 68.6 102.8
134 20.3 15.9 23.9



#66
Benzyl Chloride
Concen: 0.068 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 1272
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#

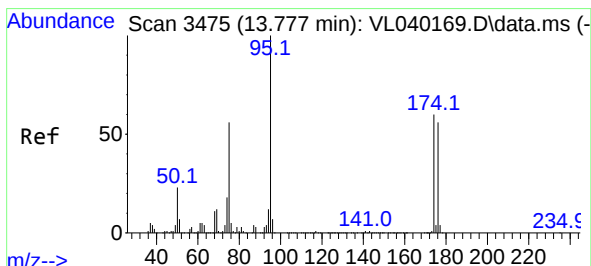
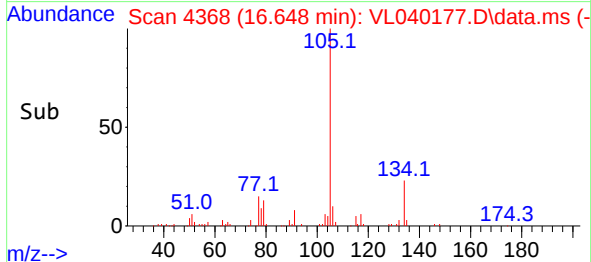
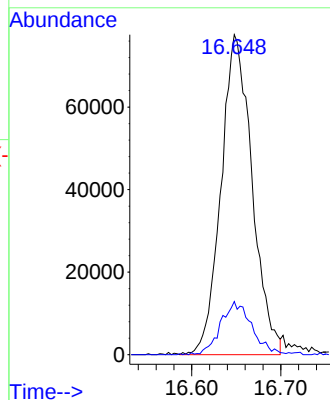
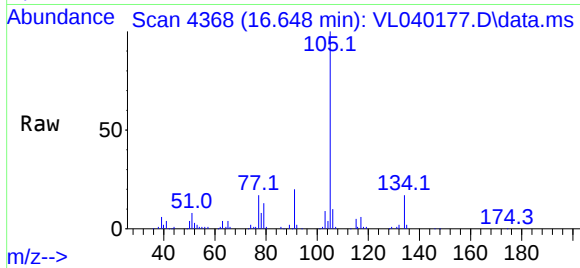




#67
 sec-Butylbenzene
 Concen: 0.467 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

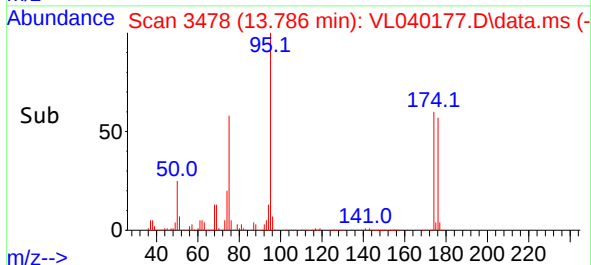
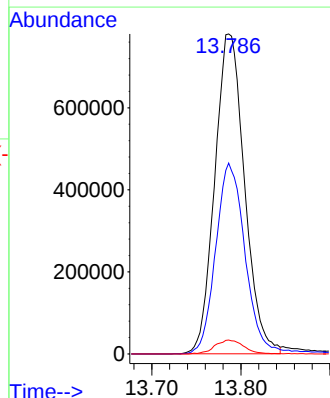
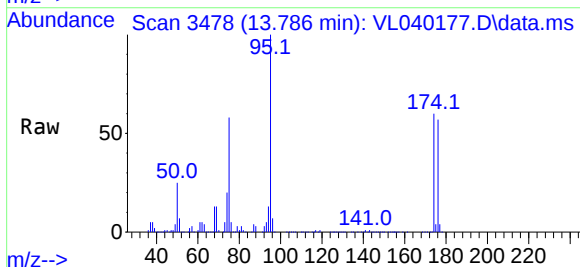
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

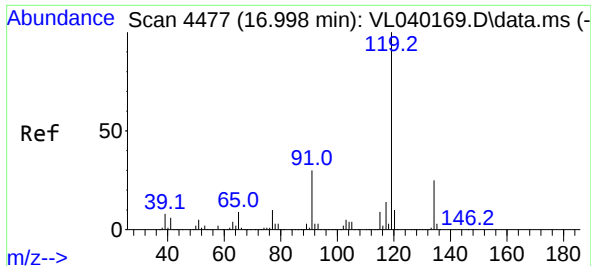
Tgt Ion:105 Resp: 187737
 Ion Ratio Lower Upper
 105 100
 134 16.9 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.164 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Tgt Ion: 95 Resp: 1813682
 Ion Ratio Lower Upper
 95 100
 174 59.4 48.2 72.2
 175 4.3 3.4 5.2

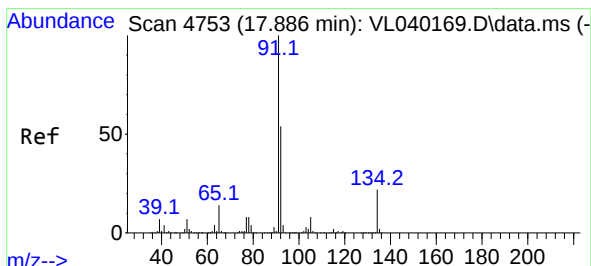
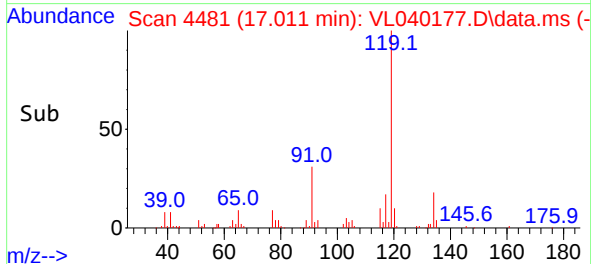
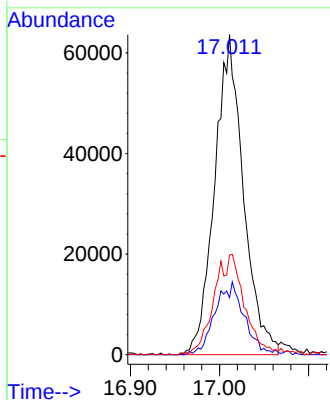
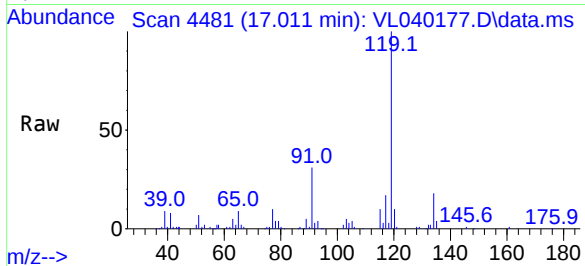




#69
p-Isopropyltoluene
Concen: 0.448 ppbv
RT: 17.011 min Scan# 4477
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

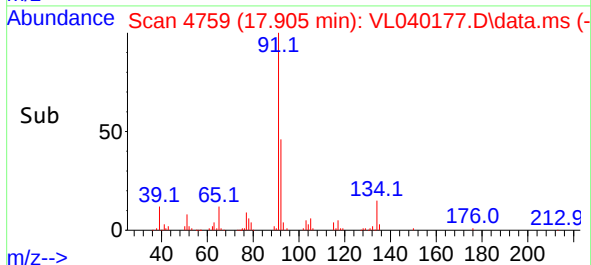
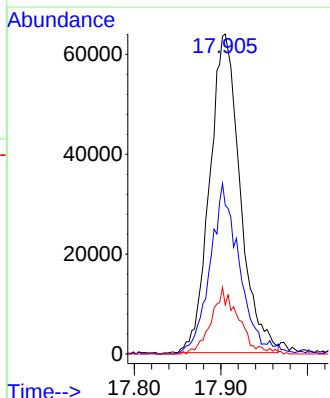
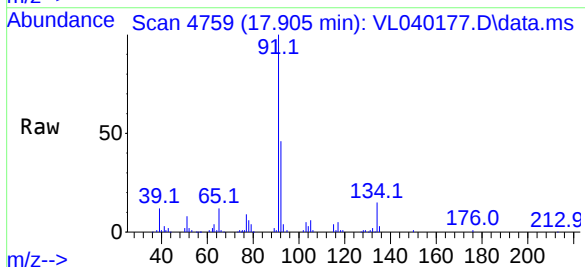
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

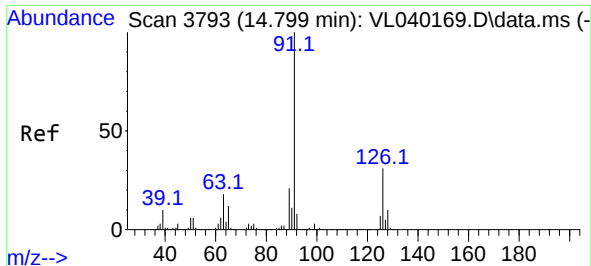
Tgt Ion:119 Resp: 142786
Ion Ratio Lower Upper
119 100
134 23.4 20.2 30.2
91 34.4 24.7 37.1



#70
n-Butylbenzene
Concen: 0.451 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 155968
Ion Ratio Lower Upper
91 100
92 52.5 43.0 64.6
134 18.8 16.9 25.3

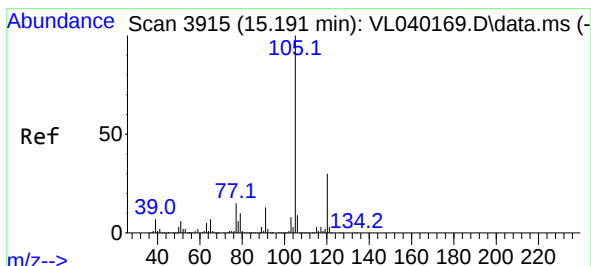
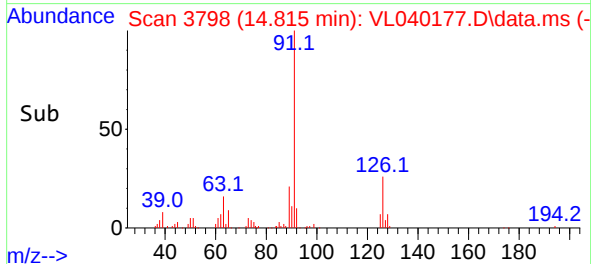
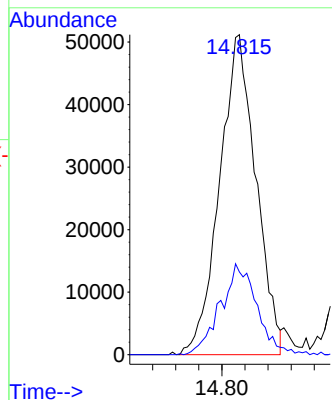
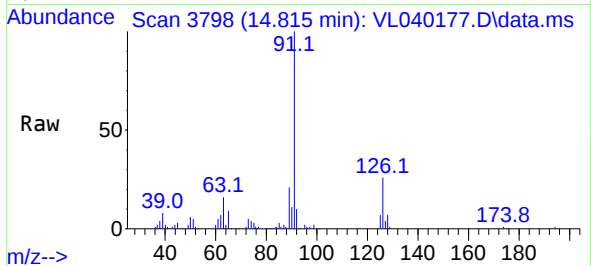




#71
2-Chlorotoluene
Concen: 0.453 ppbv
RT: 14.815 min Scan# 311
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

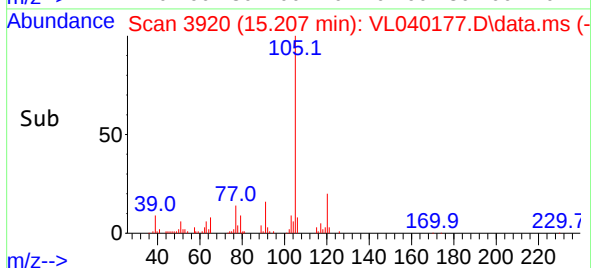
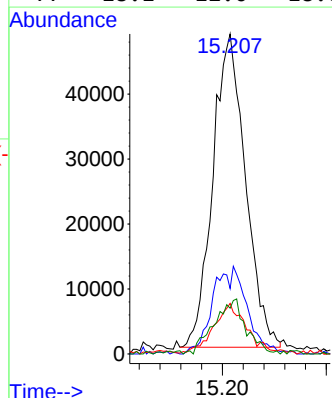
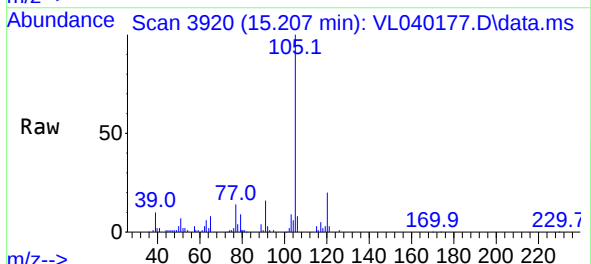
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

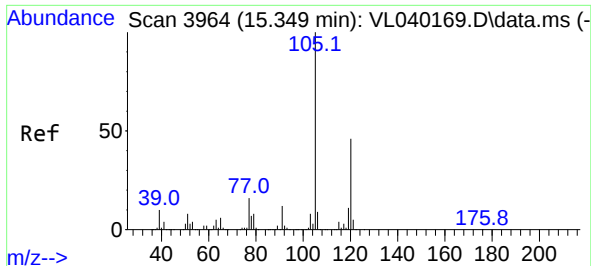
Tgt Ion: 91 Resp: 111719
Ion Ratio Lower Upper
91 100
126 28.6 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.423 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 105 Resp: 105170
Ion Ratio Lower Upper
105 100
120 30.3 23.2 34.8
91 16.9 11.3 16.9
77 18.1 12.0 18.0#

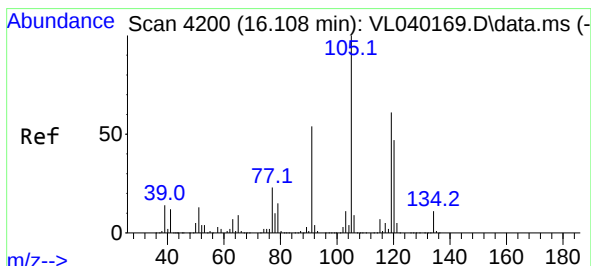
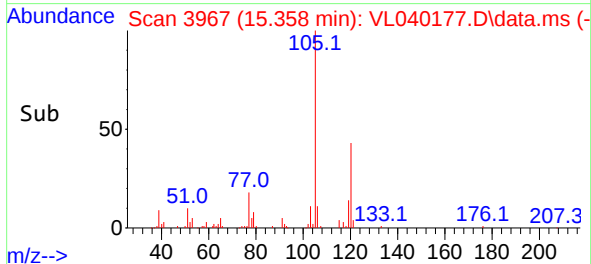
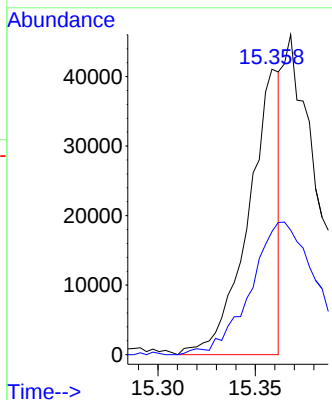
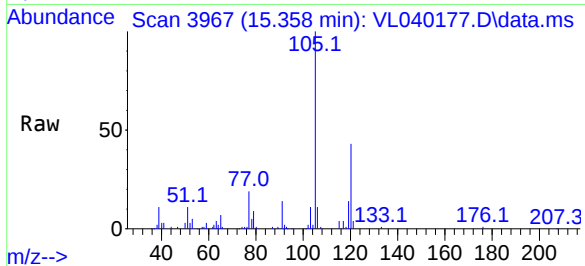




#73
1,3,5-Trimethylbenzene
Concen: 0.200 ppbv
RT: 15.358 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

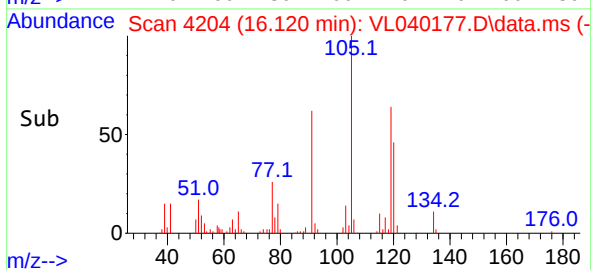
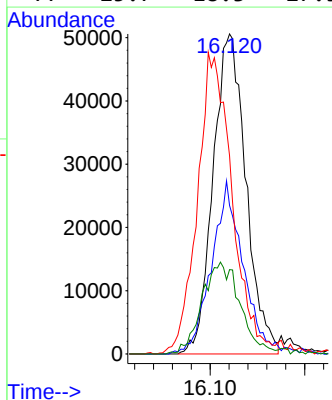
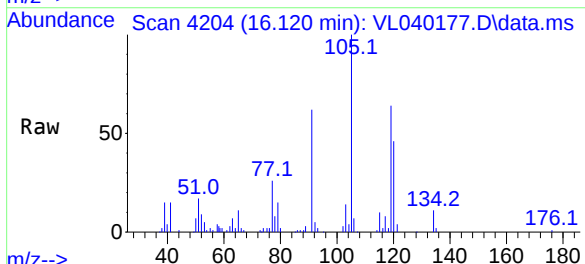
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

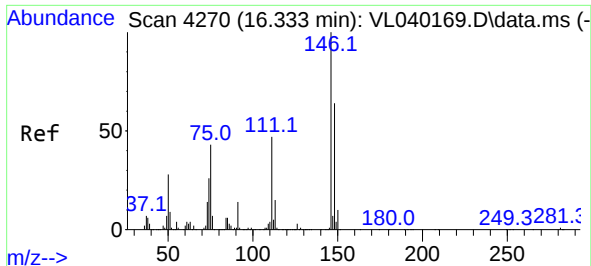
Tgt Ion:105 Resp: 46163
Ion Ratio Lower Upper
105 100
120 43.1 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 0.480 ppbv
RT: 16.120 min Scan# 4204
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:105 Resp: 121928
Ion Ratio Lower Upper
105 100
120 45.7 37.9 56.9
91 58.3 43.7 65.5
77 25.7 18.3 27.5

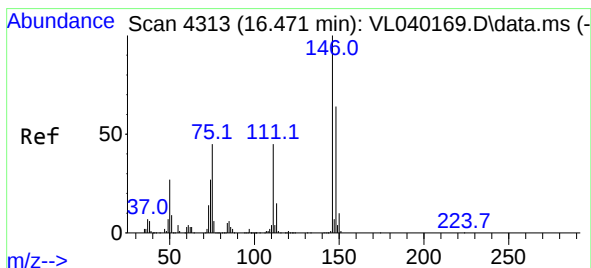
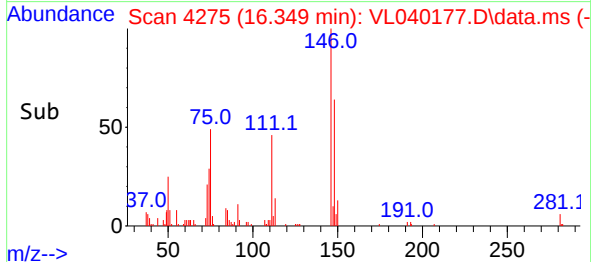
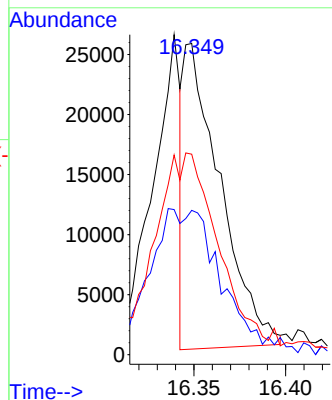
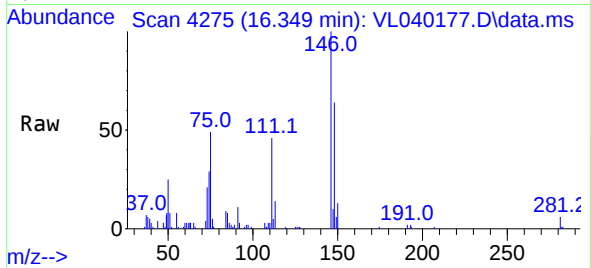




#75
1,3-Dichlorobenzene
Concen: 0.252 ppbv
RT: 16.349 min Scan# 4317
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

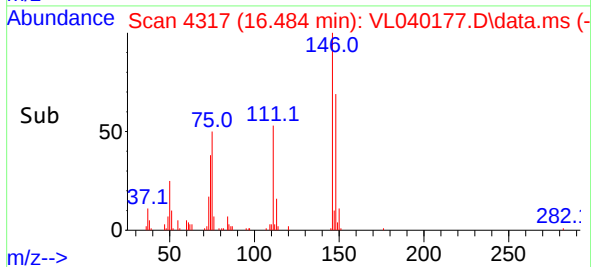
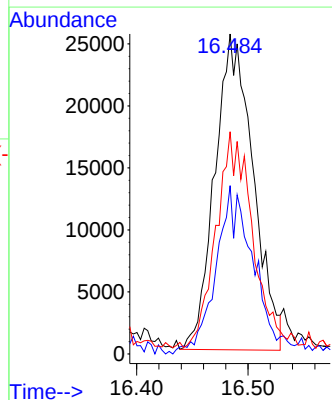
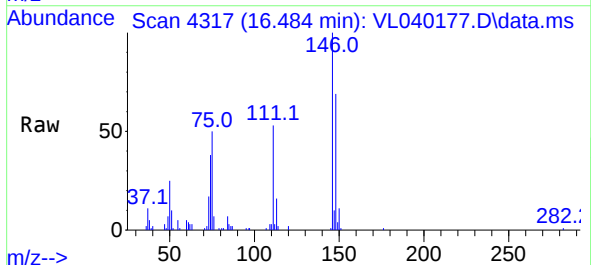
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

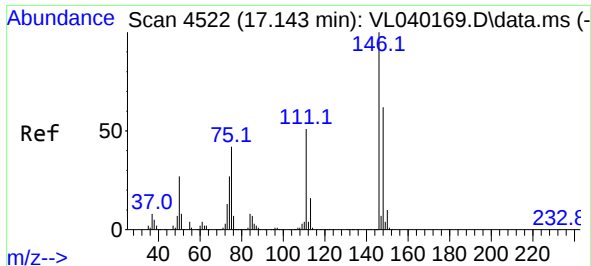
Tgt Ion:146 Resp: 35069
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 125.9 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.447 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:146 Resp: 60916
Ion Ratio Lower Upper
146 100
111 53.8 23.5 70.5
148 71.3 32.5 97.4

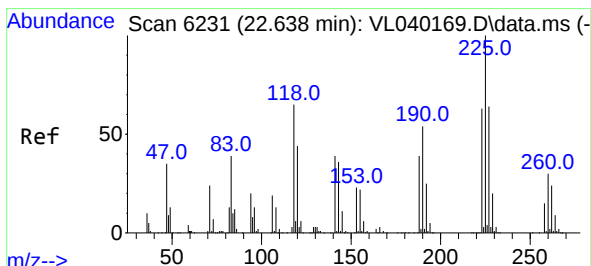
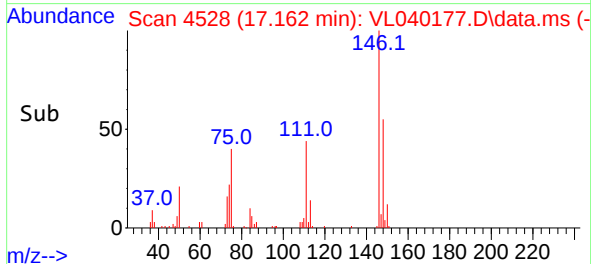
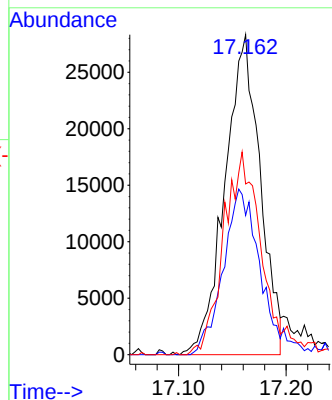
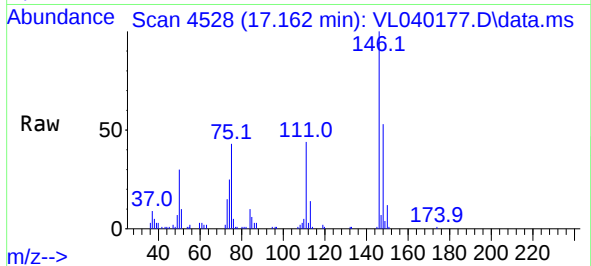




#77
1,2-Dichlorobenzene
Concen: 0.466 ppbv
RT: 17.162 min Scan# 4528
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

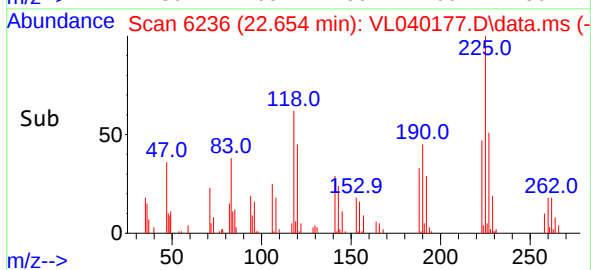
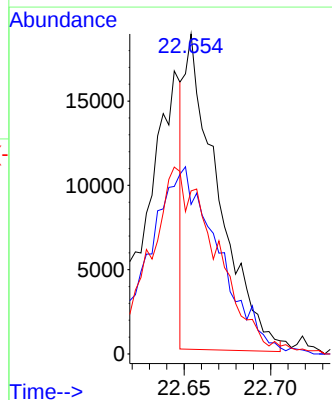
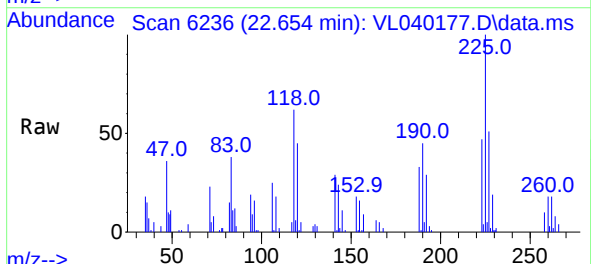
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

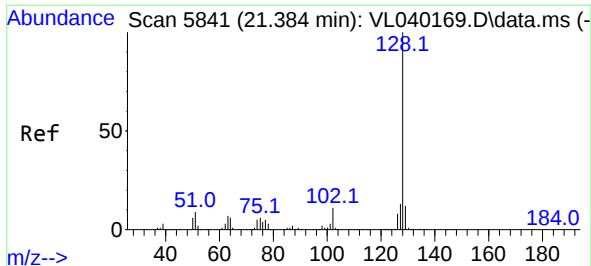
Tgt Ion:146 Resp: 64346
Ion Ratio Lower Upper
146 100
111 54.7 25.3 75.8
148 70.0 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 0.268 ppbv
RT: 22.654 min Scan# 6236
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:225 Resp: 25403
Ion Ratio Lower Upper
225 100
223 124.6 51.0 76.6#
227 0.0 51.2 76.8#



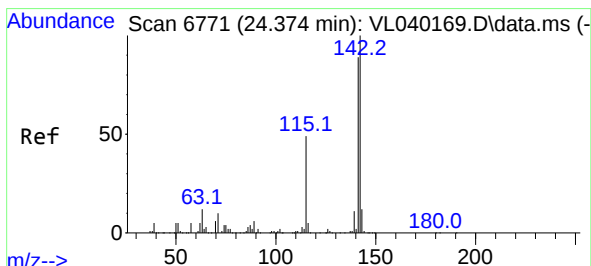
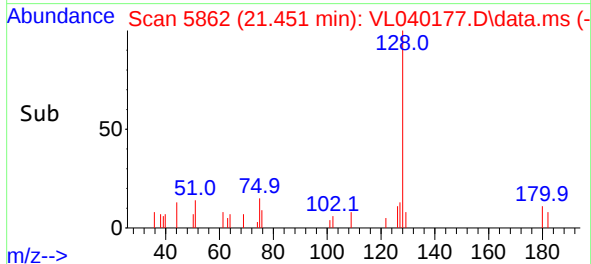
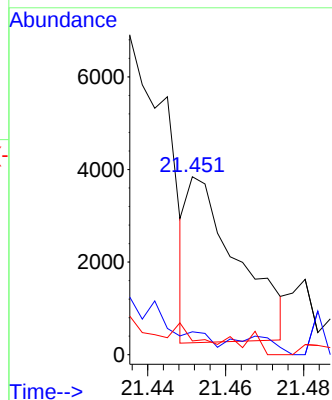
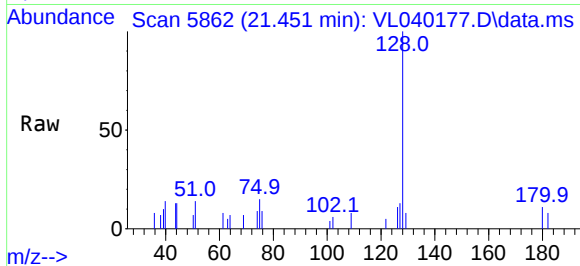


#79
Naphthalene
Concen: 0.022 ppbv
RT: 21.451 min Scan# 5862
Delta R.T. 0.067 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:128 Resp: 3190

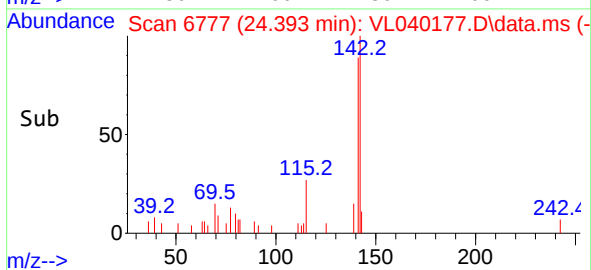
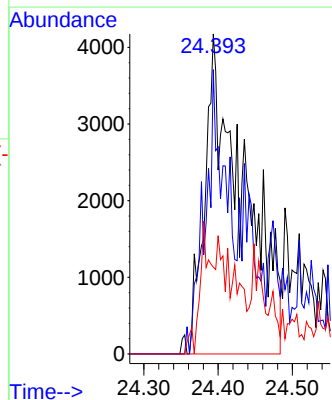
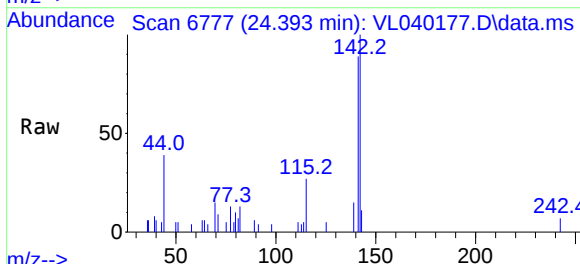
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.6	9.4	14.0

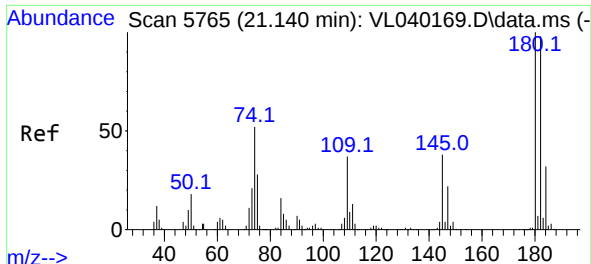


#80
Naphthalene,2-methyl-
Concen: 0.369 ppbv
RT: 24.393 min Scan# 6777
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:142 Resp: 14971

Ion	Ratio	Lower	Upper
142	100		
141	48.8	67.3	100.9#
115	26.2	36.5	54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.043 ppbv

RT: 21.152 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL040177.D

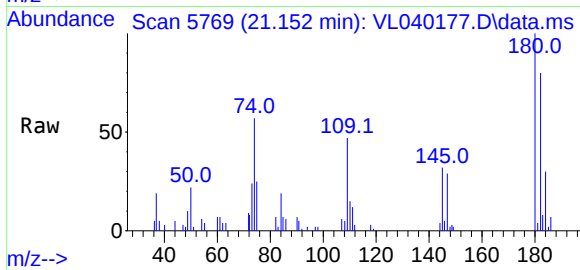
Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 3839

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 331.9 24.6 36.8#

