

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\Not Reviewed Data\
 Data File : VL040097.D
 Acq On : 16 Jan 2023 14:07
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Jan 17 05:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1184428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2931378	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3029443	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2462286	9.780	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	3001968	14.455	ppbv	97
3) Chlorodifluoromethane	2.665	51	1840033	12.952	ppbv	99
4) Chloromethane	2.803	50	1146542	13.058	ppbv	100
5) Vinyl Chloride	2.912	62	1013028	13.609	ppbv	98
6) Bromomethane	3.111	94	358141	13.185	ppbv	98
7) Chloroethane	3.189	64	376605	13.236	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	2519981	12.998	ppbv	98
9) Propene	2.684	41	776625	13.158	ppbv	99
10) Heptane	7.590	43	2009739	14.773	ppbv	99
11) Trichlorofluoromethane	3.558	101	2657234	12.821	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	2005557	12.872	ppbv	99
13) Ethanol	3.237	45	47258	8.699	ppbv	96
14) Bromoethene	3.359	108	792186	13.696	ppbv	98
15) Acetone	3.462	43	1786240	12.575	ppbv	100
16) 1,3-Butadiene	2.976	39	924853	13.965	ppbv	100
17) tert-Butyl alcohol	3.877	59	1652092	12.490	ppbv	99
18) 1,1-Dichloroethene	3.877	96	897385	13.256	ppbv	95
19) Isopropyl Alcohol	3.571	45	852511	12.266	ppbv	98
20) Methylene Chloride	3.928	84	760457	12.134	ppbv	98
21) Allyl Chloride	3.992	41	1270580	13.931	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	942955	13.632	ppbv	94
23) Vinyl Acetate	4.629	43	646817	14.047	ppbv #	97
24) 1,1-Dichloroethane	4.565	63	1847801	13.252	ppbv	99
25) Ethyl Acetate	5.208	43	3601811	14.393	ppbv	100
26) Hexane	5.214	57	1554662	14.196	ppbv	97
27) Carbon Disulfide	4.121	76	2239947	15.788	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1686764	13.691	ppbv	100
29) Chloroform	5.279	83	2641797	15.087	ppbv	98
30) Cyclohexane	6.606	84	1285003	14.760	ppbv	98
31) cis-1,2-Dichloroethene	5.082	61	1506093	14.205	ppbv	96
32) 1,1,1-Trichloroethane	6.008	97	2626389	14.757	ppbv	99
34) 2-Butanone	4.787	43	2053144	14.807	ppbv	99
35) Carbon Tetrachloride	6.500	117	2743987	16.555	ppbv	97
36) Benzene	6.378	78	3271502	15.081	ppbv	99
37) 1,2-Dichloroethane	5.812	62	2066016	14.817	ppbv	100
38) Trichloroethene	7.301	130	1962597	15.941	ppbv	99
39) 1,2-Dichloropropane	7.082	63	1271998	14.991	ppbv	97
40) 1,4-Dioxane	7.291	88	492918	14.638	ppbv	94
41) Tetrahydrofuran	5.558	42	1253208	15.659	ppbv	99
42) Bromodichloromethane	7.259	83	2957666	15.709	ppbv	98
43) Methyl Methacrylate	7.484	69	1340202	16.836	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	5386333	14.931	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	1388446	19.560	ppbv	99

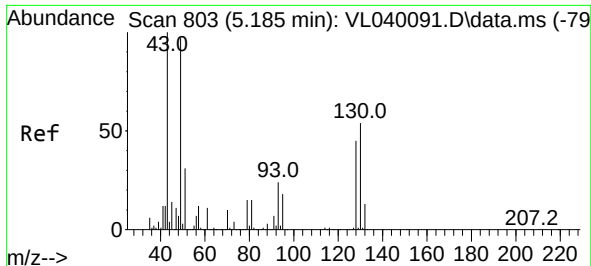
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\Not Reviewed Data\
 Data File : VL040097.D
 Acq On : 16 Jan 2023 14:07
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Jan 17 05:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1791984	18.474	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1397237	15.640	ppbv	99
48) Dibromochloromethane	9.725	129	2462019	17.147	ppbv	99
49) Bromoform	12.423	173	2016830	18.234	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	3452931	15.832	ppbv	99
51) 2-Hexanone	9.565	43	2752624	16.659	ppbv #	97
52) Tetrachloroethene	10.629	164	1149633	16.200	ppbv	98
53) Toluene	9.233	91	3789613	16.379	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1627331	17.399	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.526	131	1735609	14.720	ppbv	96
57) Chlorobenzene	11.545	112	2973426	14.399	ppbv	97
58) Ethyl Benzene	12.105	91	5184022	15.334	ppbv	99
59) m/p-Xylene	12.391	91	4635711	15.250	ppbv #	34
60) o-Xylene	13.076	91	4355203	15.094	ppbv	98
61) Styrene	12.915	104	2569960	17.093	ppbv	99
62) Isopropylbenzene	14.050	105	5984738	14.421	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.066	83	1501679	14.334	ppbv	99
64) n-propylbenzene	14.934	120	1580656	15.322	ppbv	92
65) tert-Butylbenzene	16.114	119	5284387	14.873	ppbv	98
66) Benzyl Chloride	16.346	91	433088	17.835	ppbv #	97
67) sec-Butylbenzene	16.658	105	7334709	14.561	ppbv	99
69) p-Isopropyltoluene	17.018	119	5970669	15.084	ppbv	99
70) n-Butylbenzene	17.908	91	6360262	14.900	ppbv	98
71) 2-Chlorotoluene	14.822	91	4744923	14.866	ppbv	99
72) 4-Ethyltoluene	15.214	105	4918852	15.363	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	4373724	15.172	ppbv	97
74) 1,2,4-Trimethylbenzene	16.130	105	4718692	14.777	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	2661139	15.004	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	2588461	14.844	ppbv	99
77) 1,2-Dichlorobenzene	17.166	146	2495604	14.714	ppbv	99
78) Hexachloro-1,3-Butadiene	22.660	225	1676914	13.498	ppbv	99
79) Naphthalene	21.410	128	3470958	18.974	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	1093239	17.736	ppbv	94
81) 1,2,4-Trichlorobenzene	21.162	180	1816871	16.114	ppbv	98

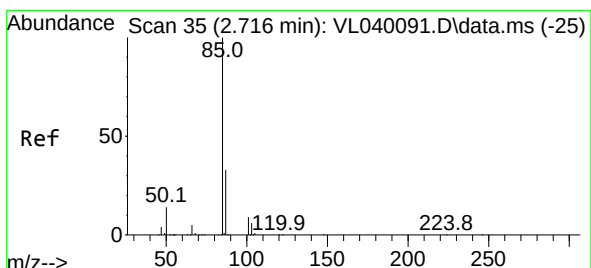
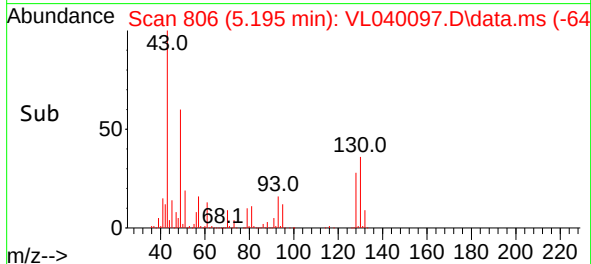
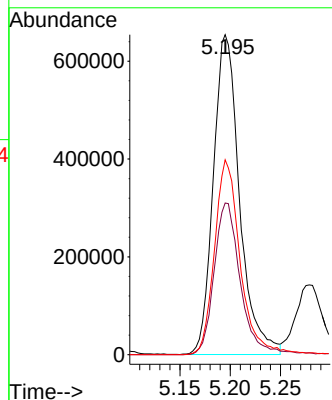
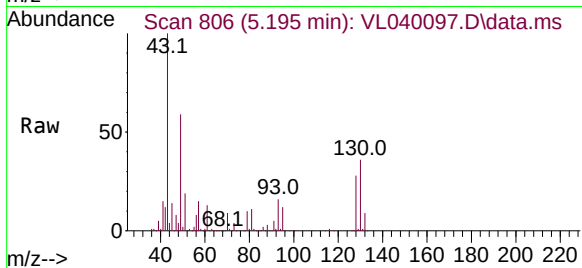
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

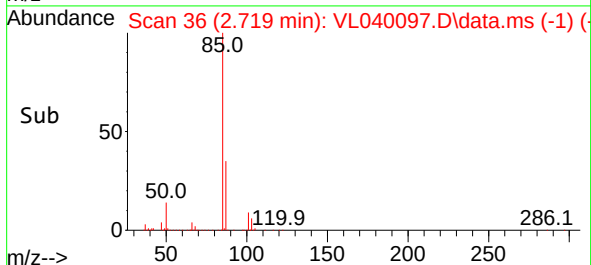
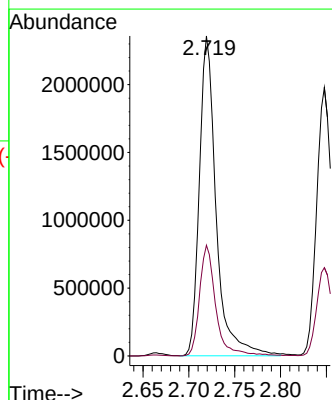
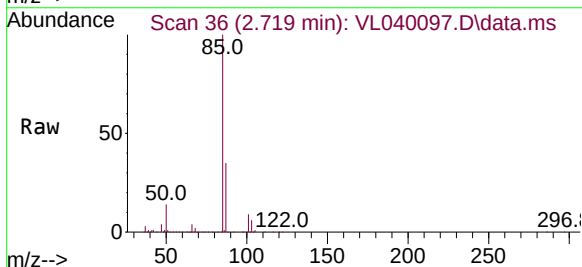
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

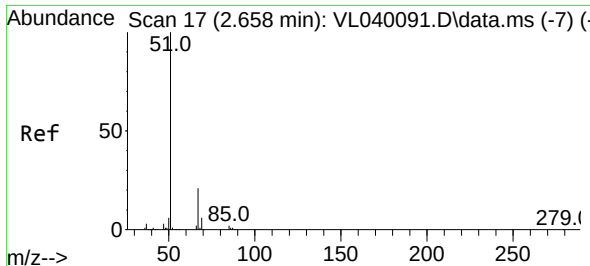
Tgt Ion: 49 Resp: 1184428
 Ion Ratio Lower Upper
 49 100
 128 47.8 23.6 71.0
 130 60.5 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 14.455 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion: 85 Resp: 3001968
 Ion Ratio Lower Upper
 85 100
 87 34.6 26.5 39.7

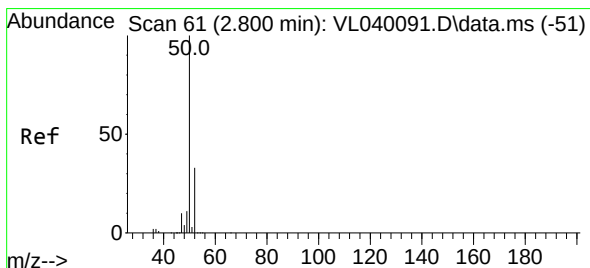
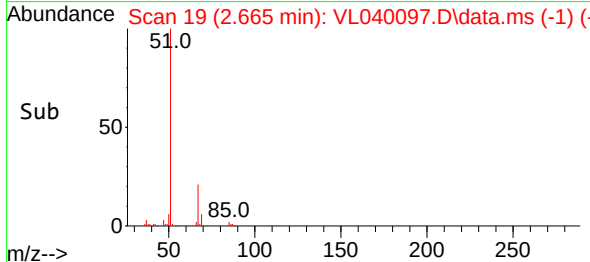
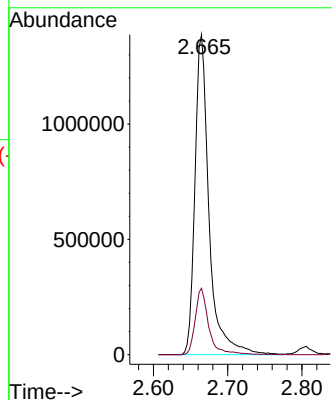
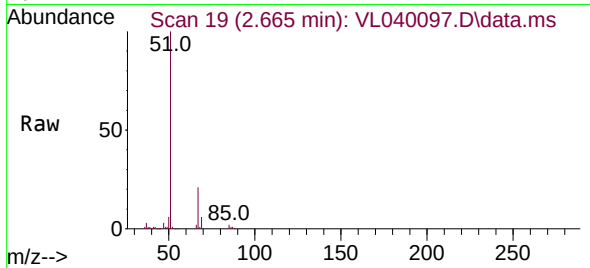




#3
Chlorodifluoromethane
Concen: 12.952 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

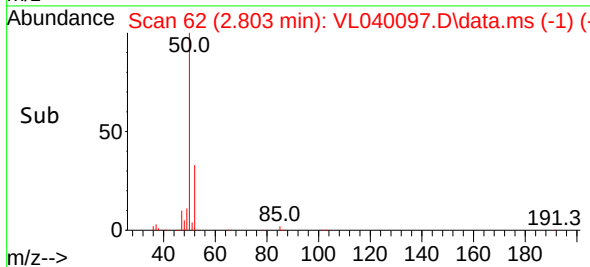
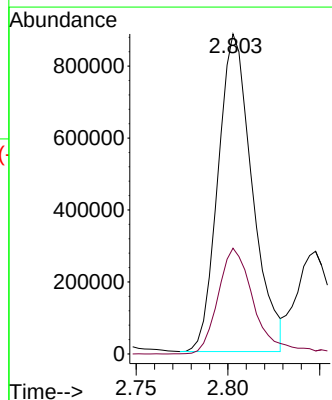
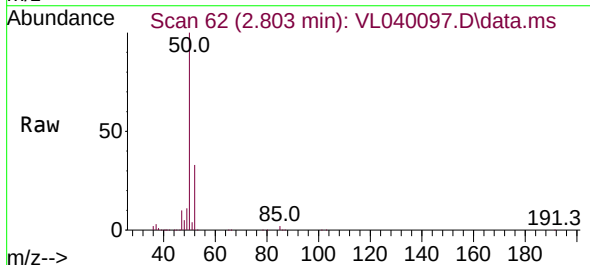
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

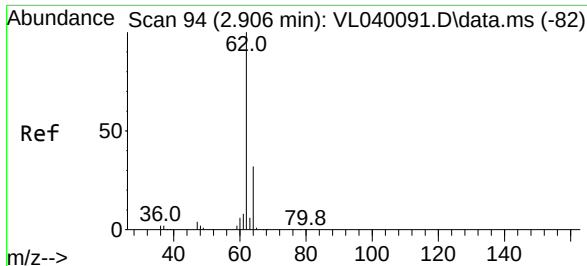
Tgt Ion: 51 Resp: 1840033
Ion Ratio Lower Upper
51 100
67 20.1 16.4 24.6



#4
Chloromethane
Concen: 13.058 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 50 Resp: 1146542
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7

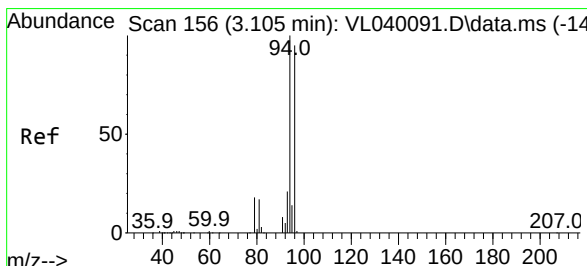
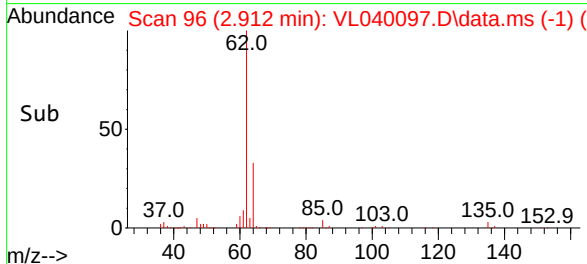
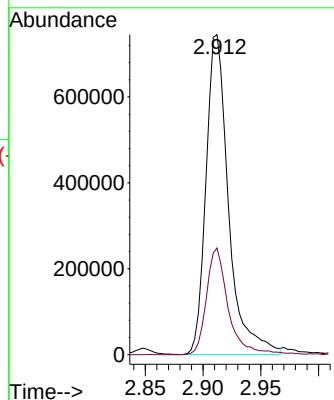
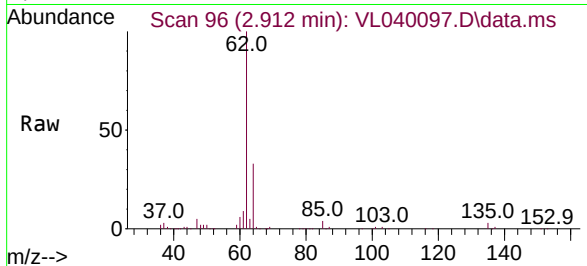




#5
 Vinyl Chloride
 Concen: 13.609 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

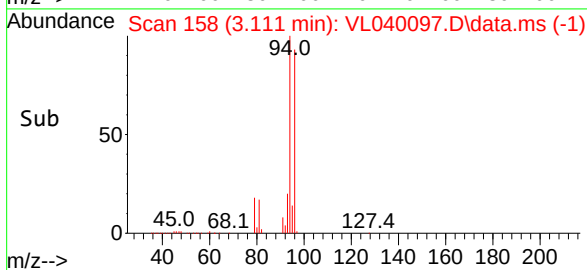
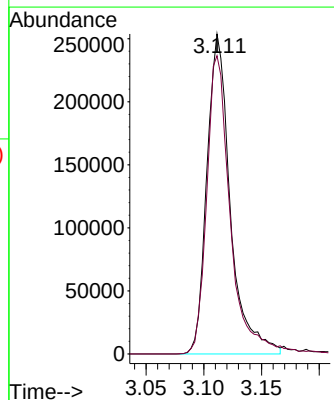
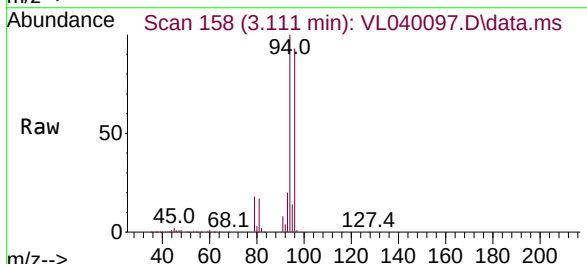
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

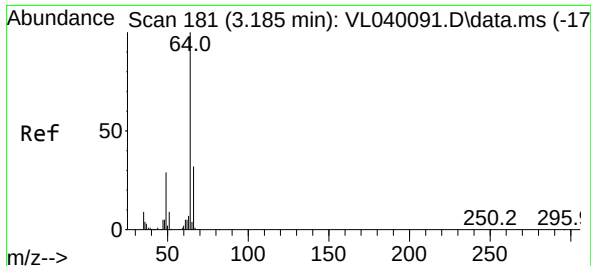
Tgt Ion: 62 Resp: 1013028
 Ion Ratio Lower Upper
 62 100
 64 33.4 25.8 38.6



#6
 Bromomethane
 Concen: 13.185 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion: 94 Resp: 358141
 Ion Ratio Lower Upper
 94 100
 96 93.1 76.2 114.2

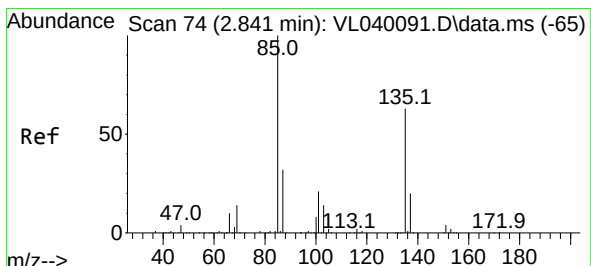
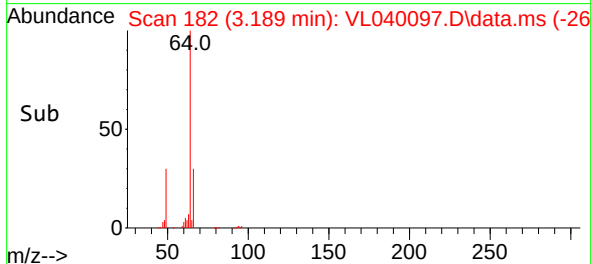
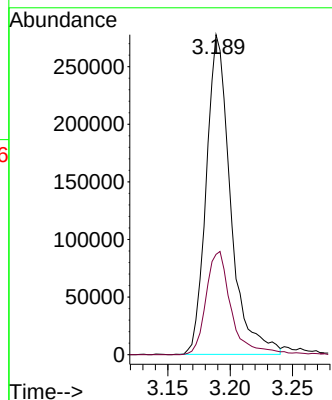
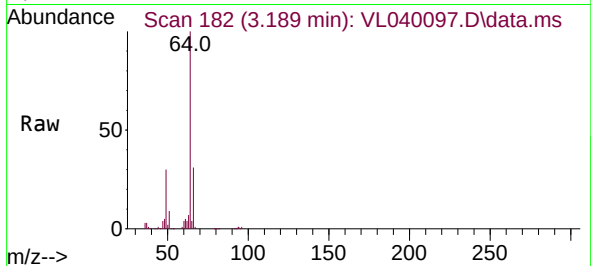




#7
Chloroethane
Concen: 13.236 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

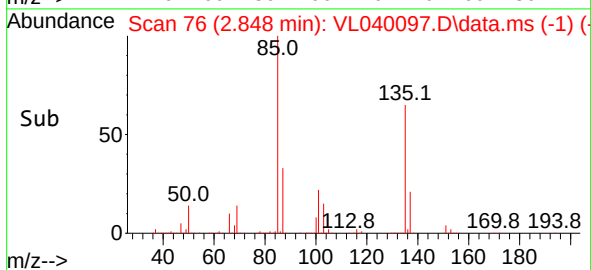
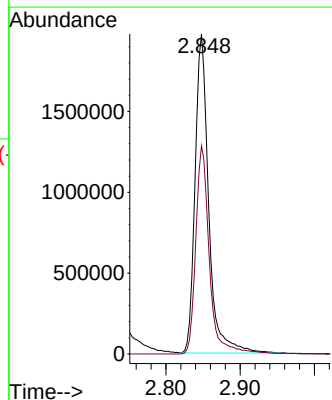
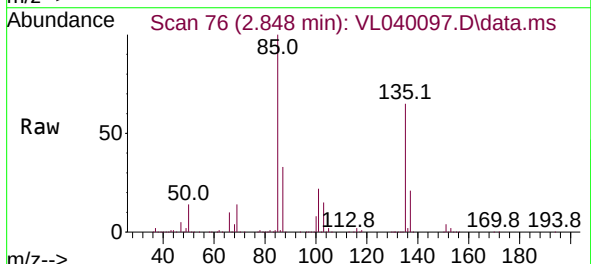
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

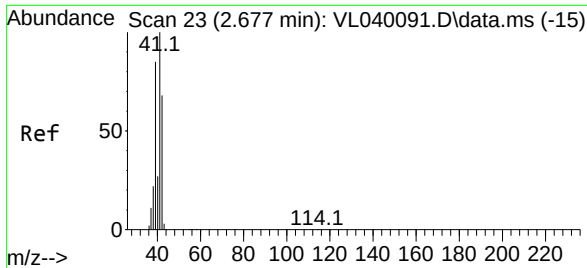
Tgt Ion: 64 Resp: 376605
Ion Ratio Lower Upper
64 100
66 31.4 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 12.998 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 85 Resp: 2519981
Ion Ratio Lower Upper
85 100
135 65.6 51.4 77.2

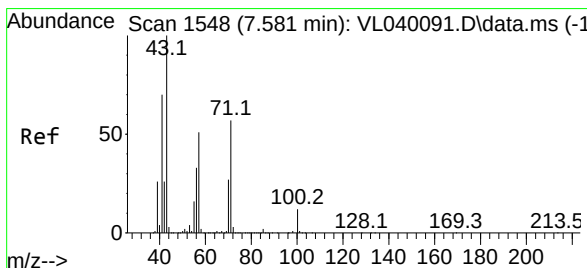
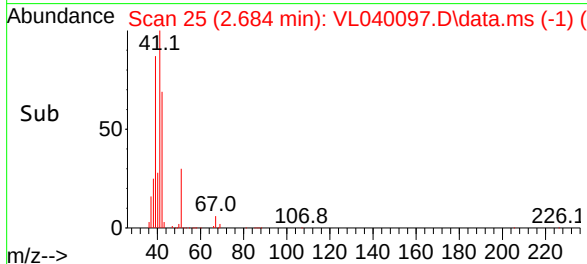
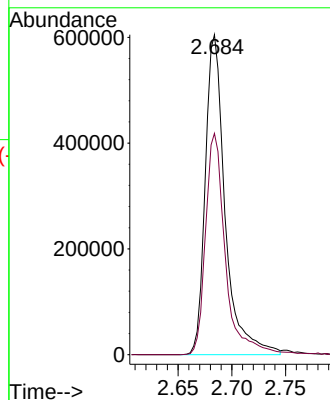
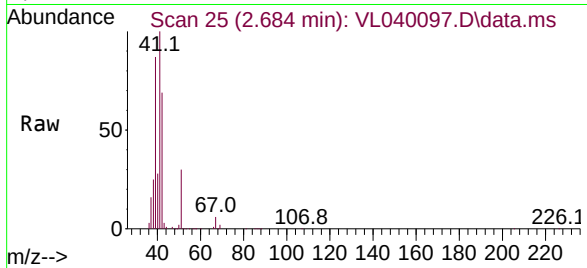




#9
Propene
Concen: 13.158 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

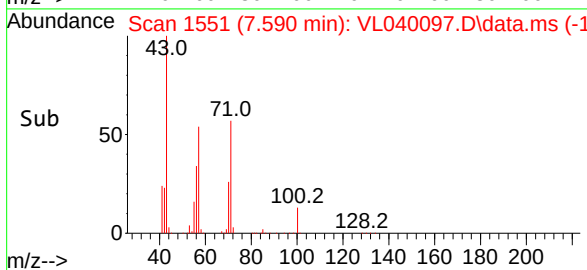
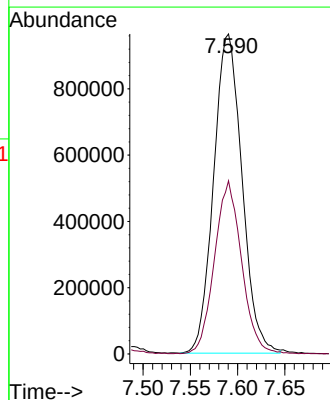
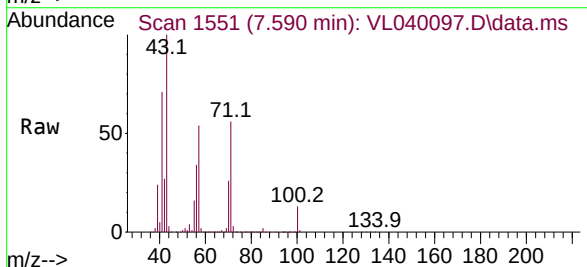
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

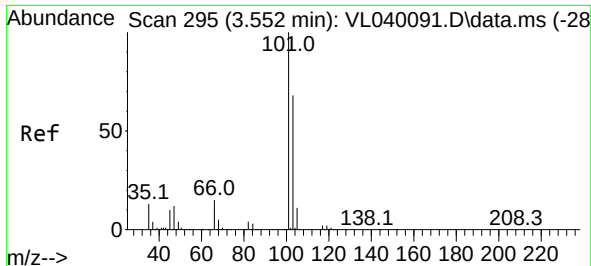
Tgt Ion: 41 Resp: 776625
Ion Ratio Lower Upper
41 100
42 70.0 55.6 83.4



#10
Heptane
Concen: 14.773 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 43 Resp: 2009739
Ion Ratio Lower Upper
43 100
57 51.9 40.9 61.3

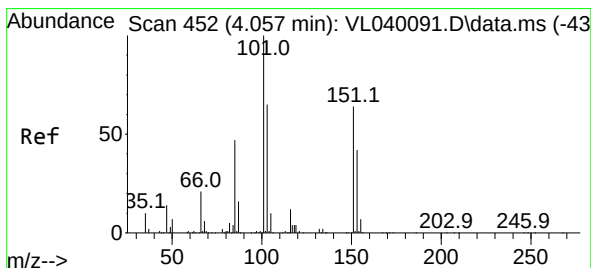
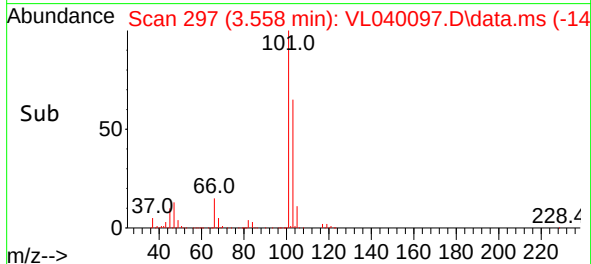
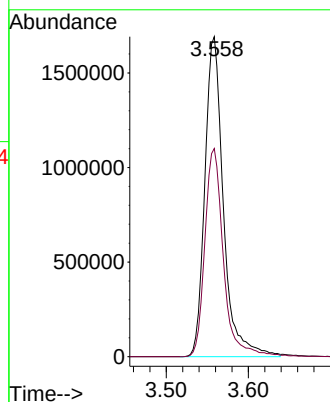
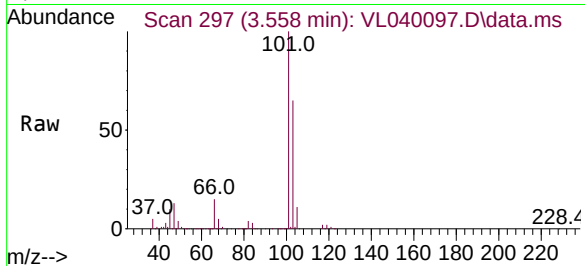




#11
 Trichlorofluoromethane
 Concen: 12.821 ppbv
 RT: 3.558 min Scan# 295
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

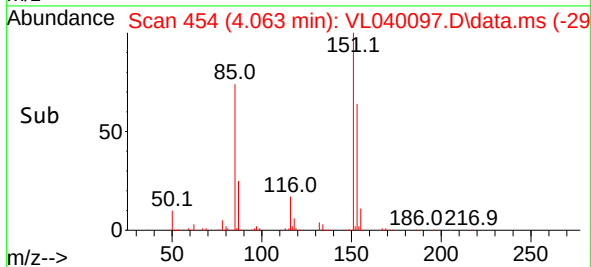
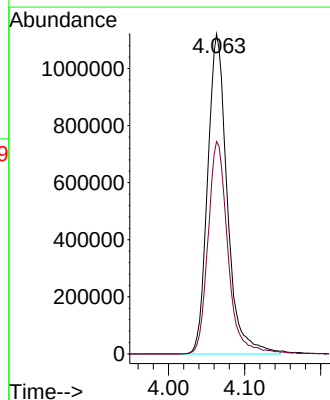
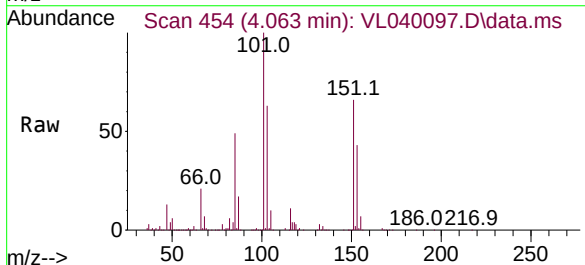
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

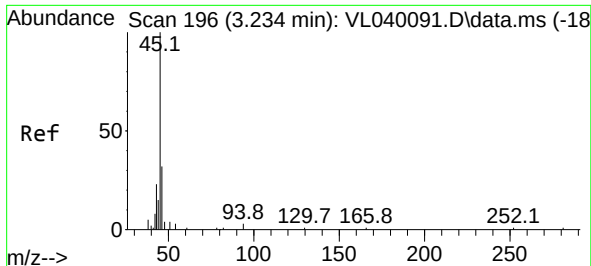
Tgt Ion:101 Resp: 2657234
 Ion Ratio Lower Upper
 101 100
 103 65.1 54.0 81.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.872 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion:101 Resp: 2005557
 Ion Ratio Lower Upper
 101 100
 151 67.5 53.2 79.8

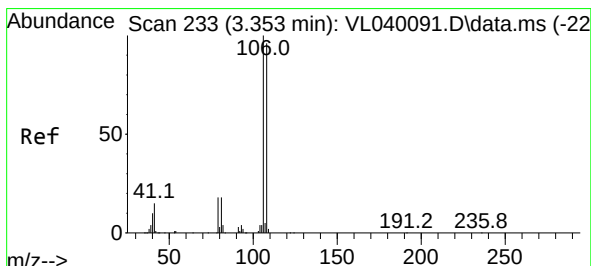
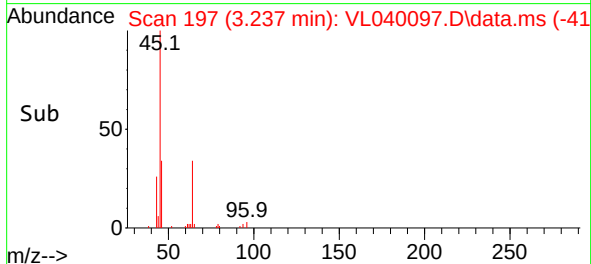
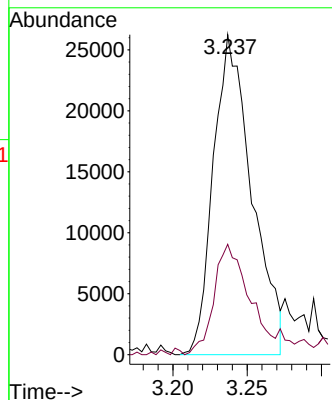
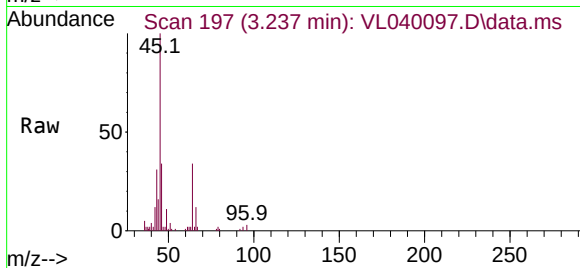




#13
Ethanol
Concen: 8.699 ppbv
RT: 3.237 min Scan# 196
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

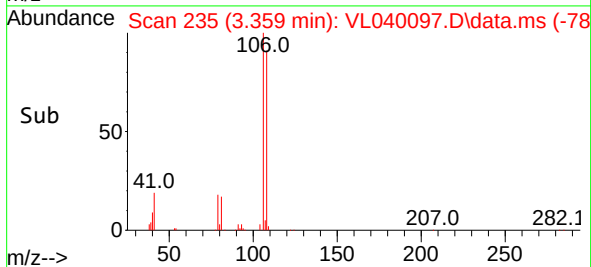
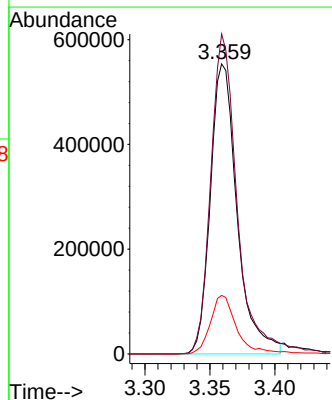
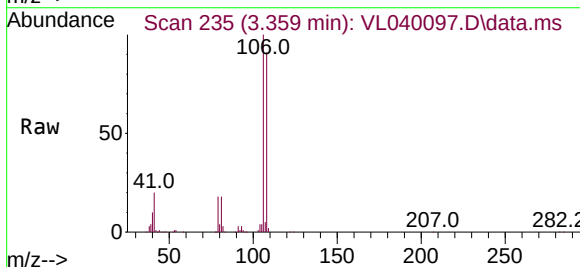
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

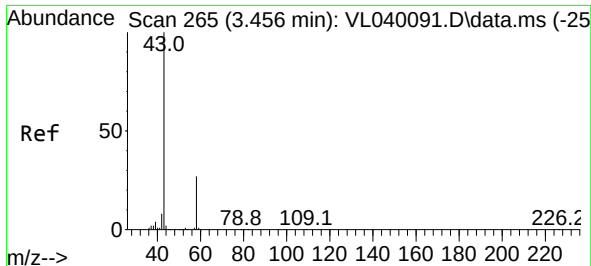
Tgt Ion: 45 Resp: 47258
Ion Ratio Lower Upper
45 100
46 39.2 14.8 59.2



#14
Bromoethene
Concen: 13.696 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion:108 Resp: 792186
Ion Ratio Lower Upper
108 100
106 111.0 87.0 130.6
79 20.2 16.1 24.1

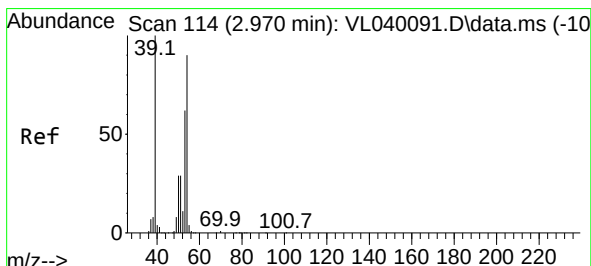
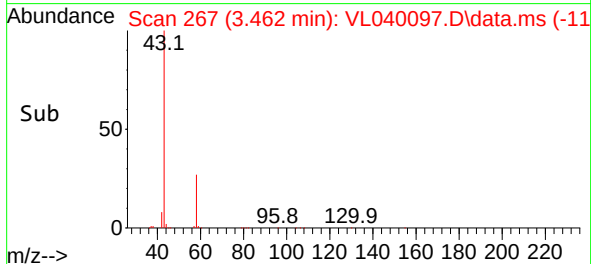
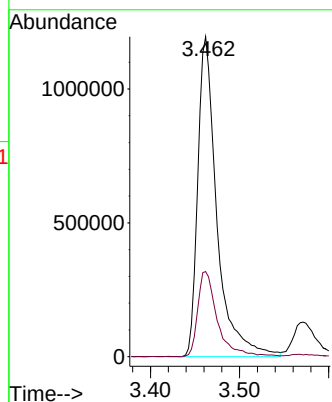
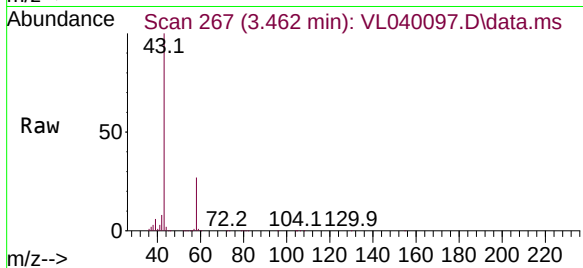




#15
Acetone
Concen: 12.575 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

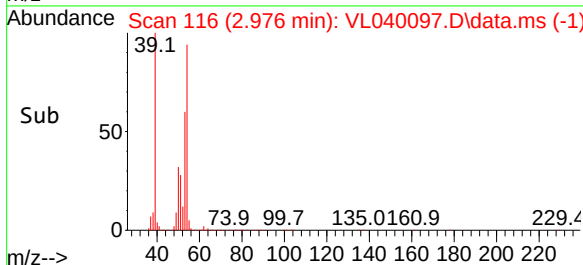
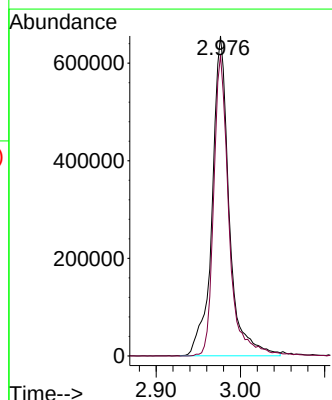
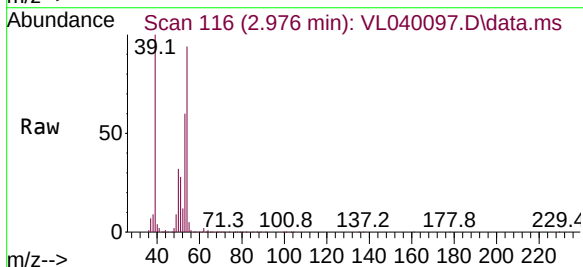
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

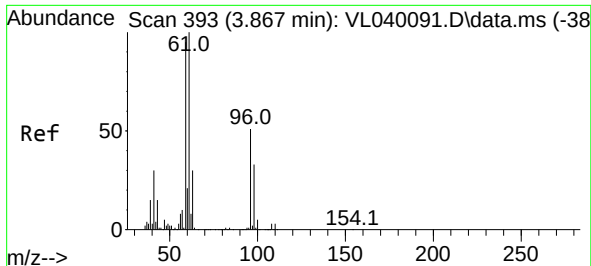
Tgt Ion: 43 Resp: 1786240
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.8



#16
1,3-Butadiene
Concen: 13.965 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 39 Resp: 924853
Ion Ratio Lower Upper
39 100
54 84.5 67.9 101.9





#17

tert-Butyl alcohol

Concen: 12.490 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

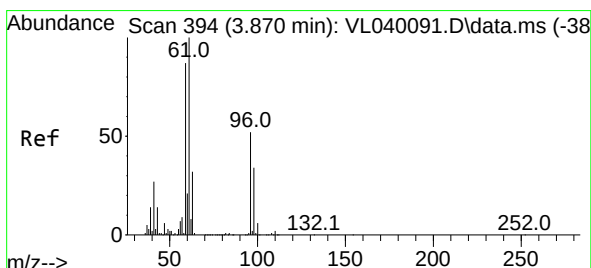
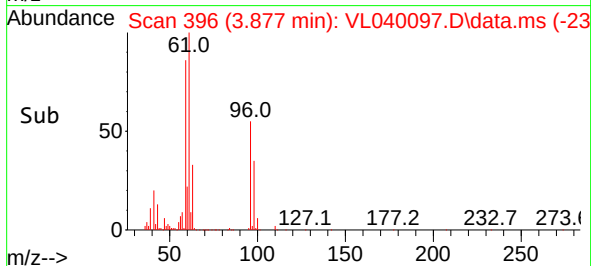
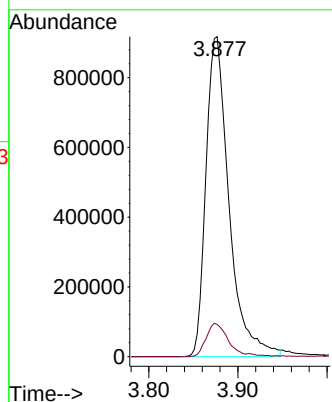
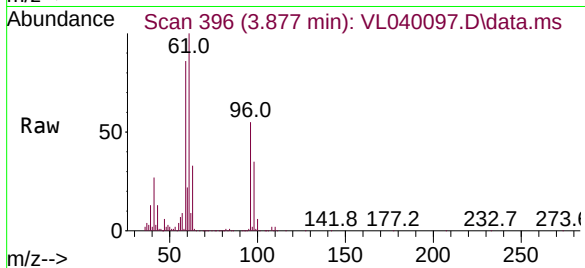
VSTDIC015

Tgt Ion: 59 Resp: 1652092

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 13.256 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

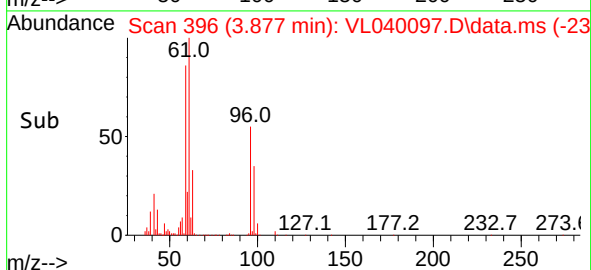
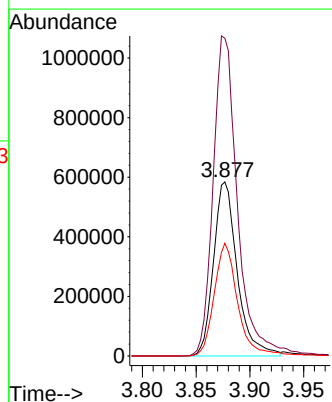
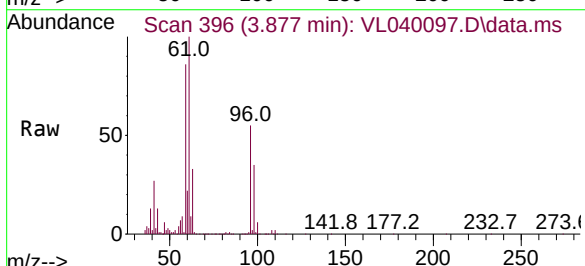
Tgt Ion: 96 Resp: 897385

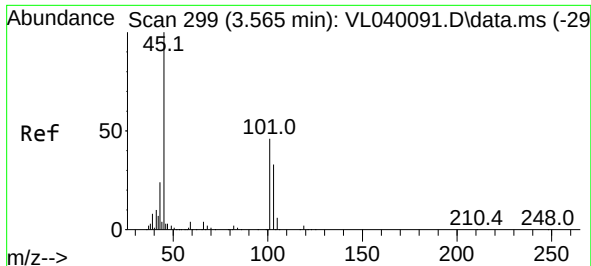
Ion Ratio Lower Upper

96 100

61 182.5 153.0 229.4

98 64.7 52.7 79.1

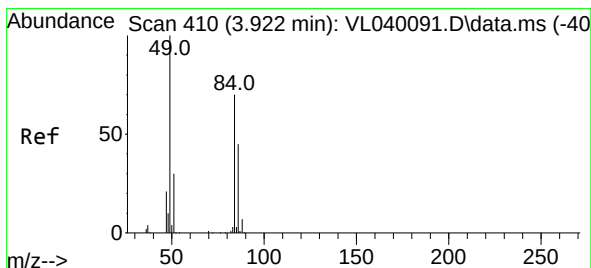
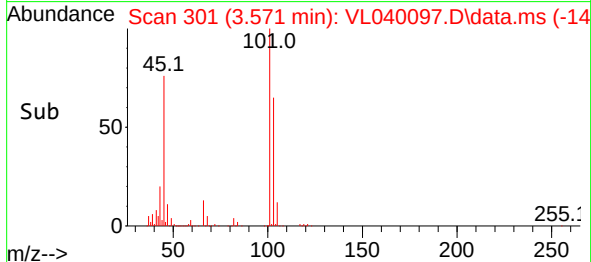
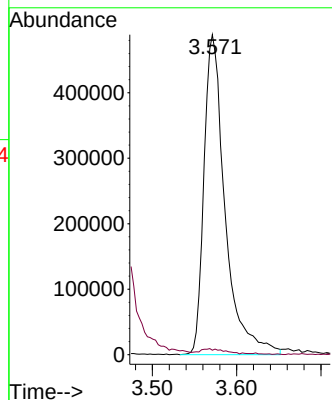
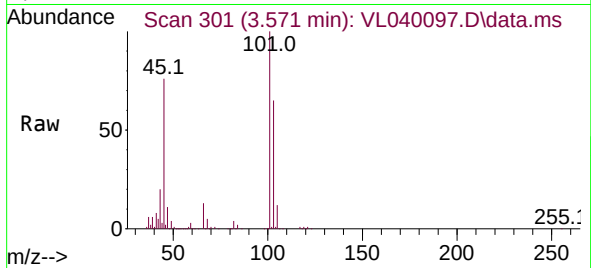




#19
Isopropyl Alcohol
Concen: 12.266 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

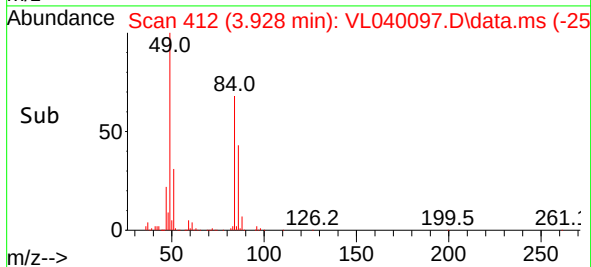
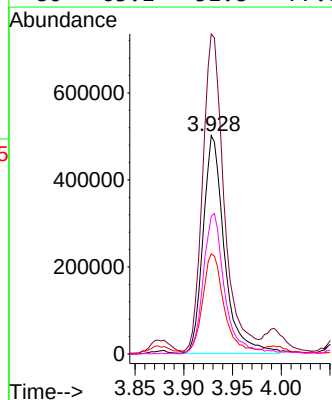
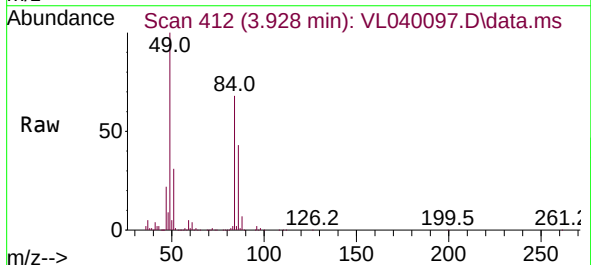
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

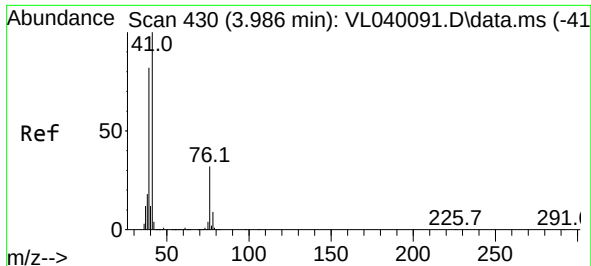
Tgt Ion: 45 Resp: 852511
Ion Ratio Lower Upper
45 100
58 2.7 2.6 4.0



#20
Methylene Chloride
Concen: 12.134 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 84 Resp: 760457
Ion Ratio Lower Upper
84 100
49 145.4 114.6 171.8
51 44.8 34.3 51.5
86 63.1 51.8 77.8





#21

Allyl Chloride

Concen: 13.931 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

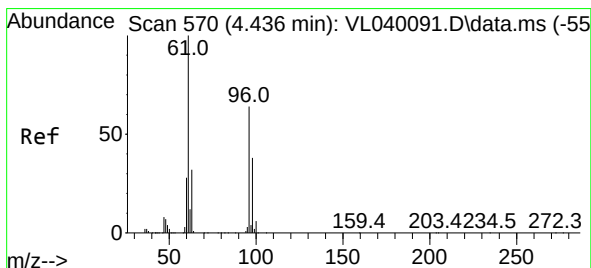
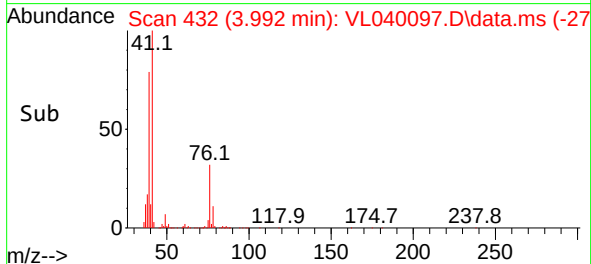
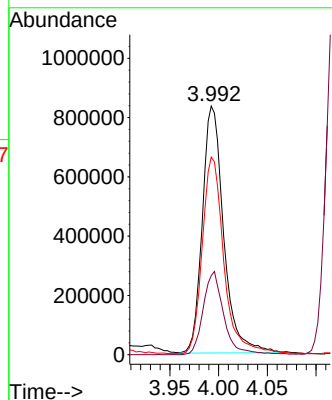
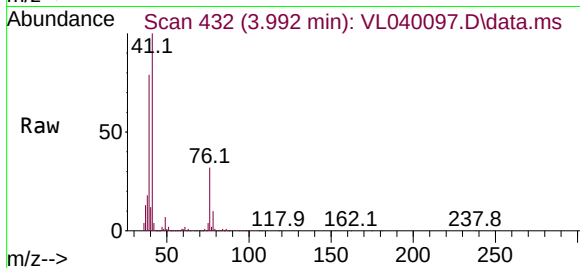
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1270580

Ion	Ratio	Lower	Upper
41	100		
76	32.6	25.9	38.9
39	81.5	66.8	100.2



#22

trans-1,2-Dichloroethene

Concen: 13.632 ppbv

RT: 4.443 min Scan# 572

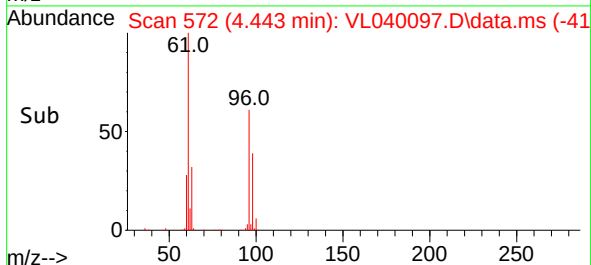
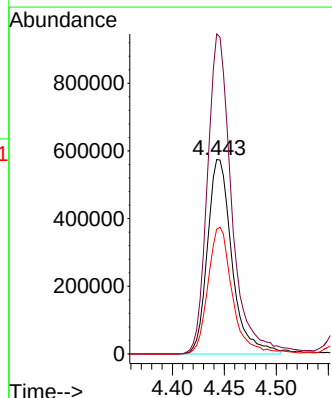
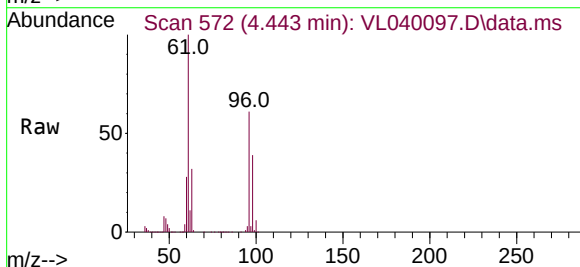
Delta R.T. 0.006 min

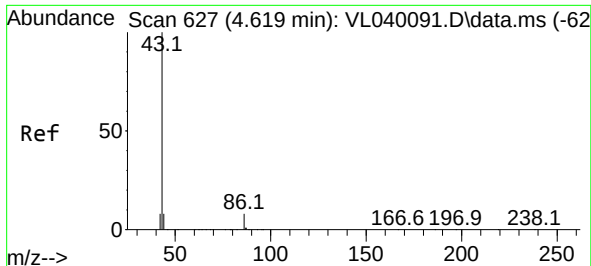
Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 96 Resp: 942955

Ion	Ratio	Lower	Upper
96	100		
61	164.5	125.8	188.8
98	64.1	47.4	71.2

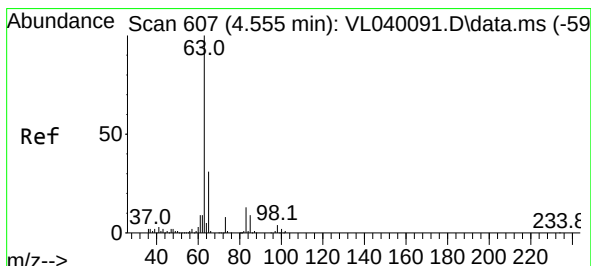
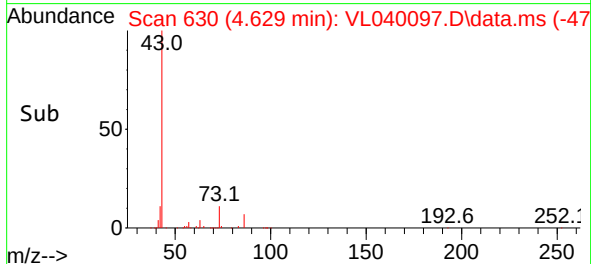
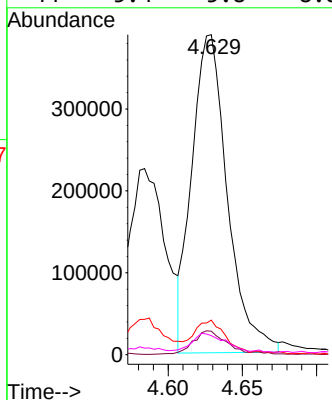
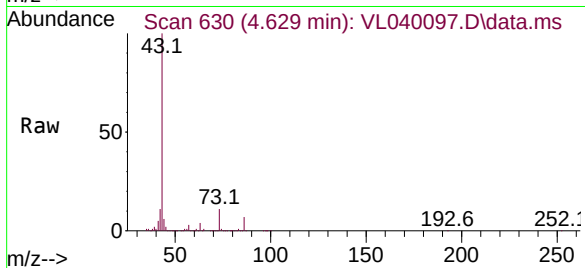




#23
 Vinyl Acetate
 Concen: 14.047 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

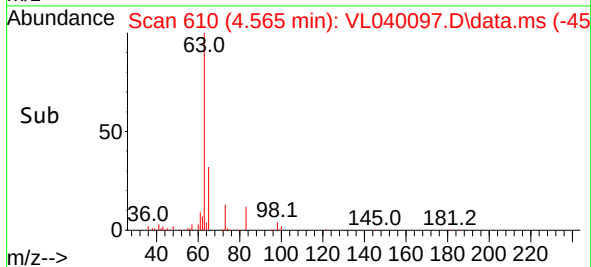
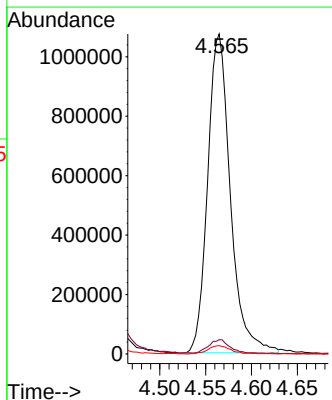
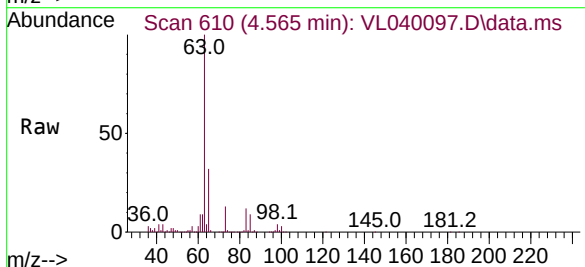
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

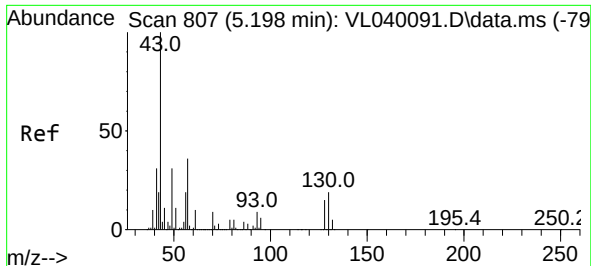
Tgt Ion: 43 Resp: 646817
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.6 8.4
 42 10.2 7.7 11.5
 44 5.4 5.8 8.8#



#24
 1,1-Dichloroethane
 Concen: 13.252 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion: 63 Resp: 1847801
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.0 5.8
 100 2.6 1.1 3.5





#25

Ethyl Acetate

Concen: 14.393 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3601811

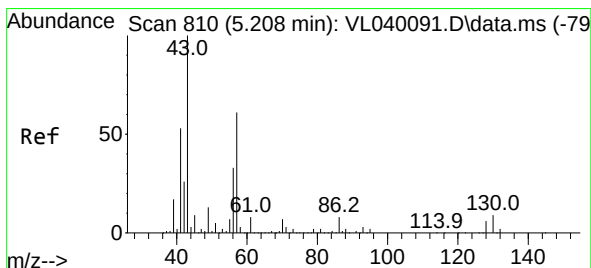
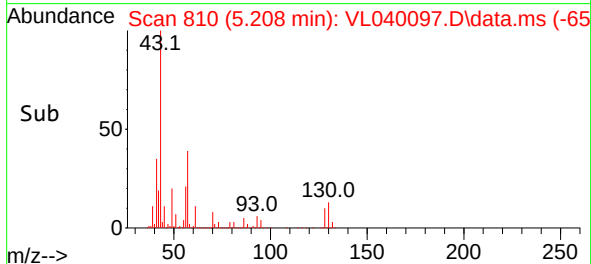
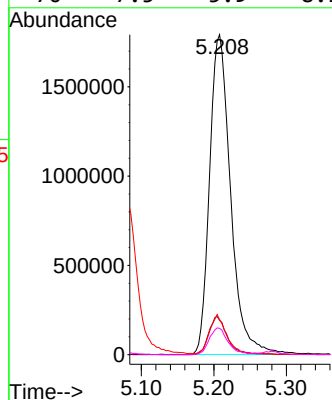
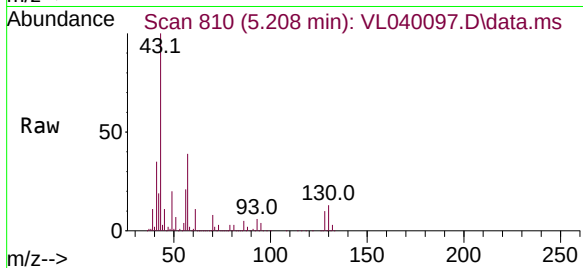
Ion Ratio Lower Upper

43 100

45 10.7 8.5 12.7

61 10.5 8.4 12.6

70 7.5 5.9 8.9



#26

Hexane

Concen: 14.196 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 57 Resp: 1554662

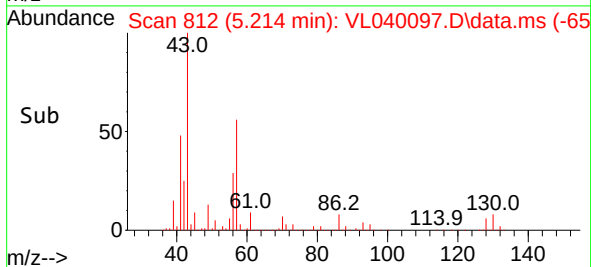
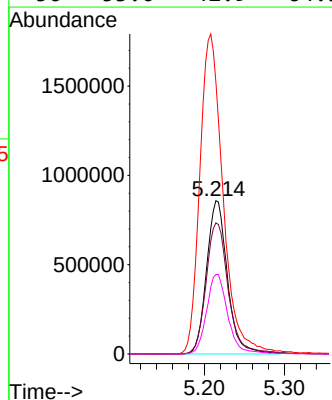
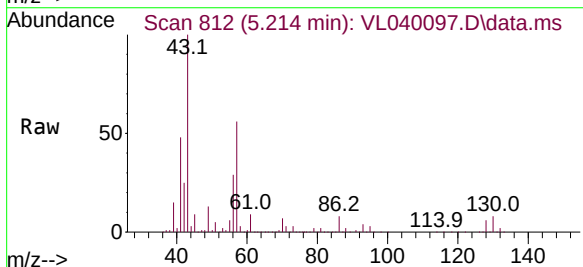
Ion Ratio Lower Upper

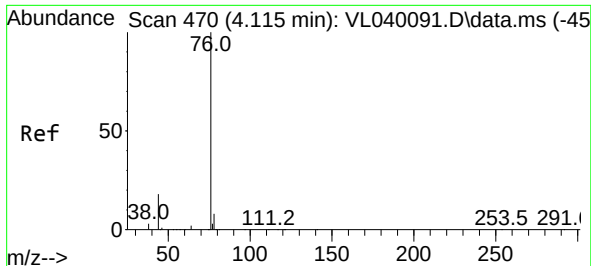
57 100

41 92.2 72.2 108.4

43 233.1 192.1 288.1

56 53.0 42.9 64.3

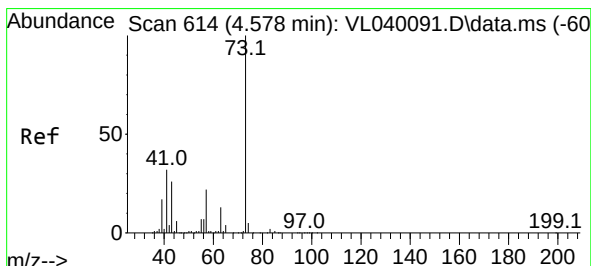
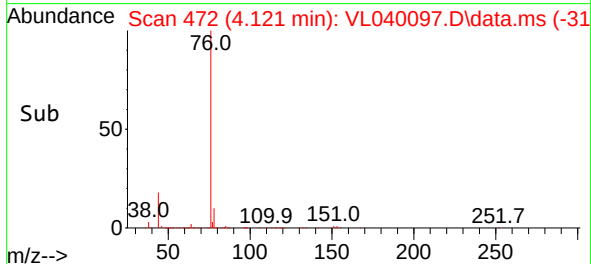
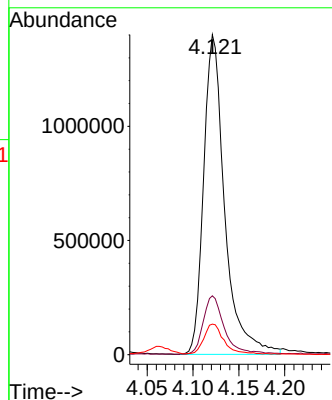
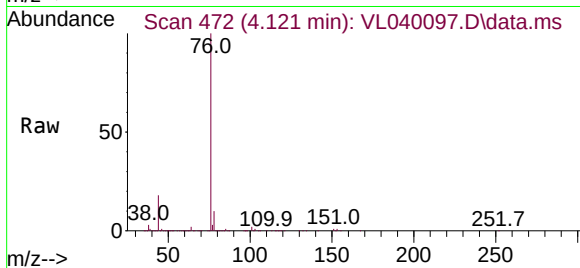




#27
Carbon Disulfide
Concen: 15.788 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

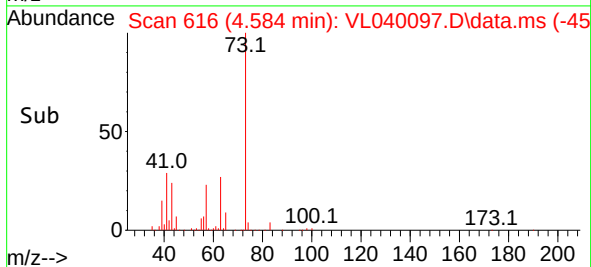
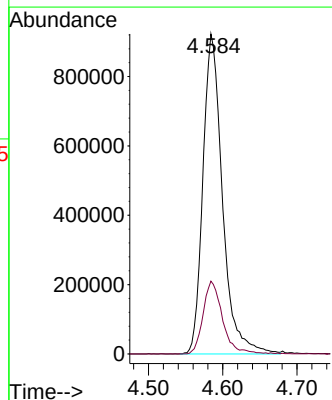
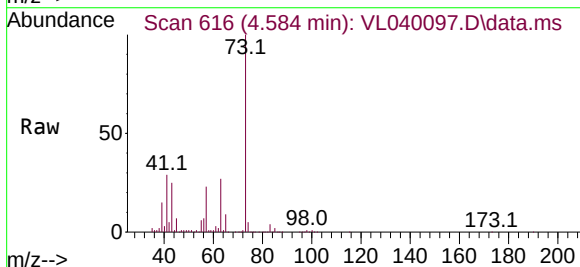
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

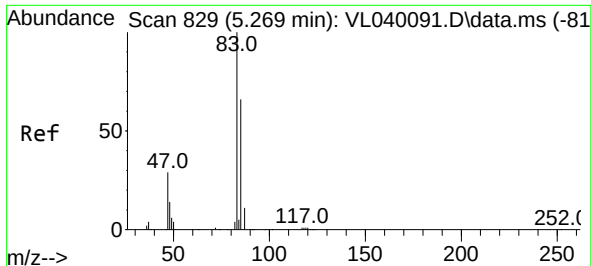
Tgt Ion: 76 Resp: 2239947
Ion Ratio Lower Upper
76 100
44 18.8 14.9 22.3
78 9.9 8.2 12.2



#28
Methyl tert-Butyl Ether
Concen: 13.691 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 73 Resp: 1686764
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

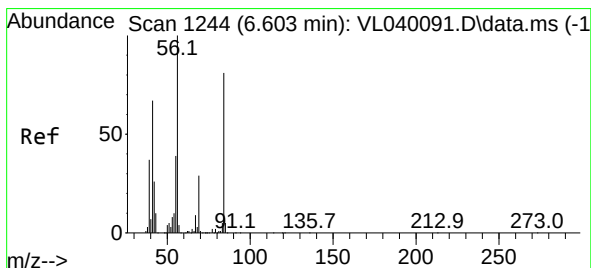
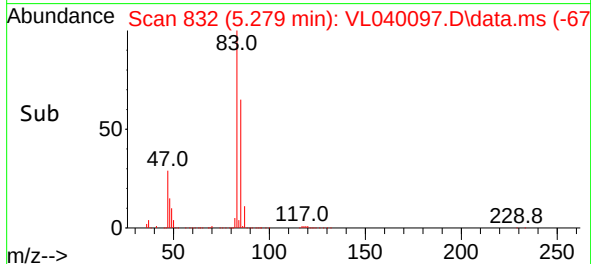
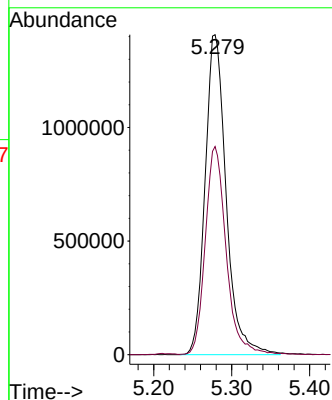
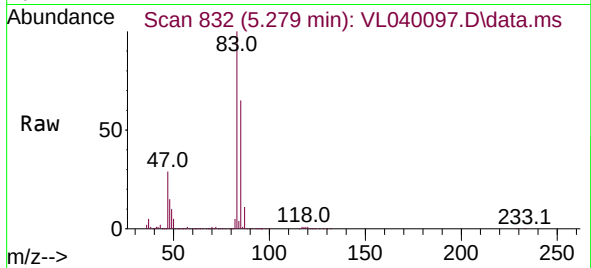




#29
Chloroform
Concen: 15.087 ppbv
RT: 5.279 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

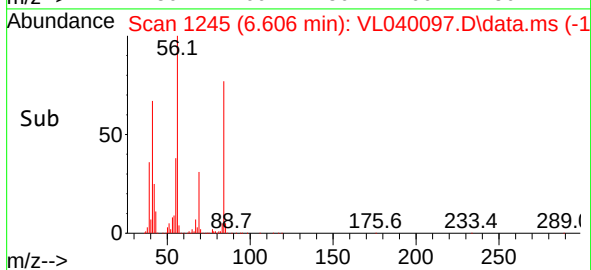
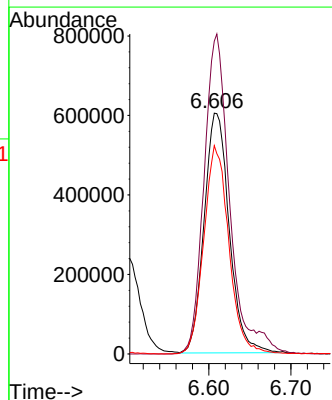
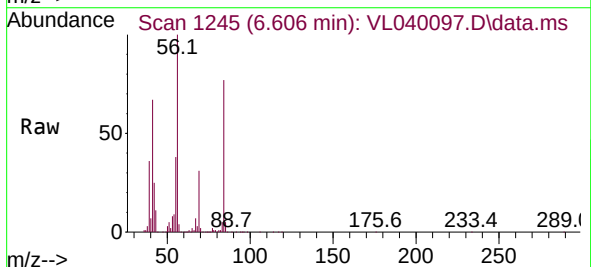
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

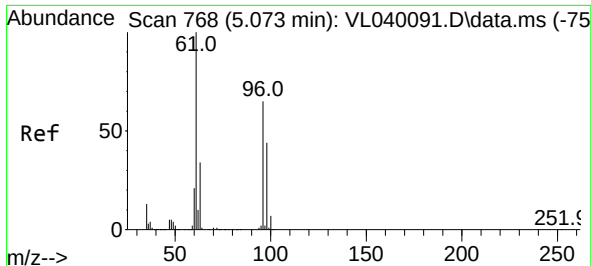
Tgt Ion: 83 Resp: 2641797
Ion Ratio Lower Upper
83 100
85 65.0 53.1 79.7



#30
Cyclohexane
Concen: 14.760 ppbv
RT: 6.606 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 84 Resp: 1285003
Ion Ratio Lower Upper
84 100
56 136.9 111.5 167.3
41 86.9 71.4 107.0

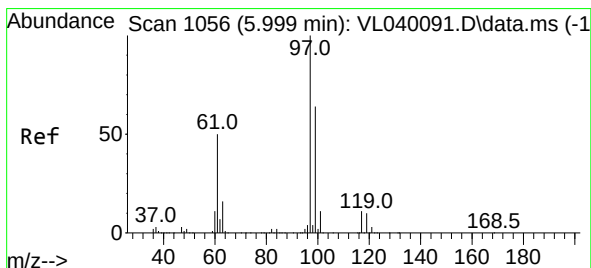
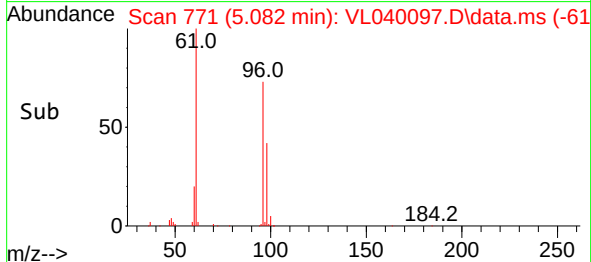
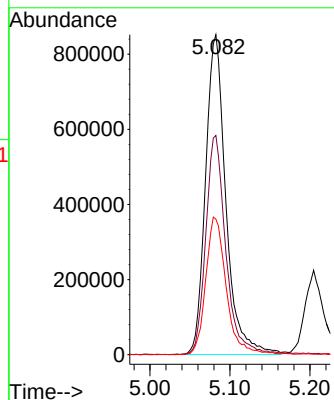
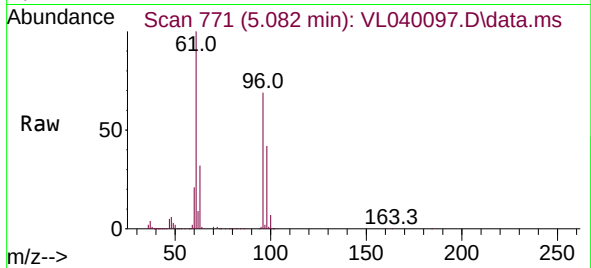




#31
 cis-1,2-Dichloroethene
 Concen: 14.205 ppbv
 RT: 5.082 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

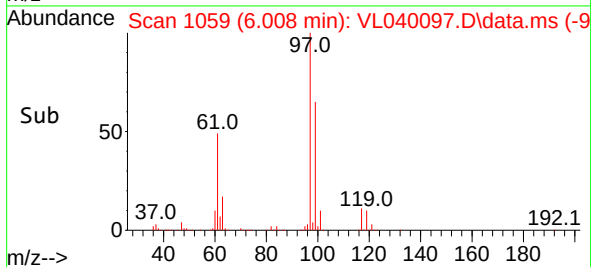
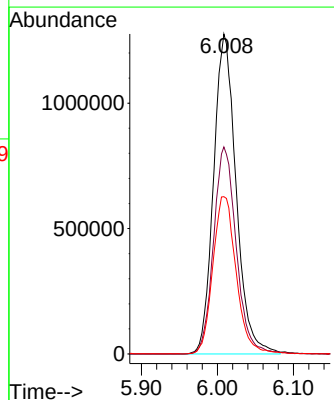
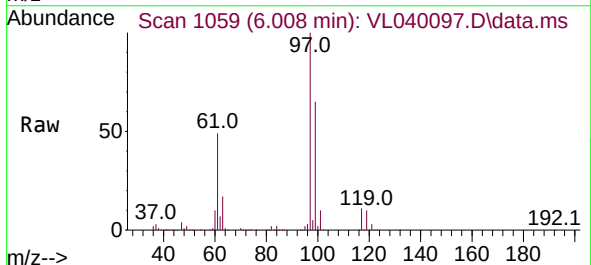
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

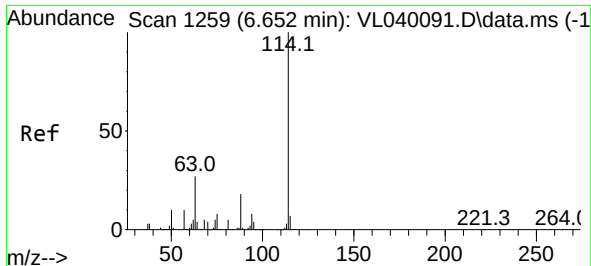
Tgt Ion: 61 Resp: 1506093
 Ion Ratio Lower Upper
 61 100
 96 68.5 52.0 78.0
 98 42.4 35.3 52.9



#32
 1,1,1-Trichloroethane
 Concen: 14.757 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion: 97 Resp: 2626389
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 51.3 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

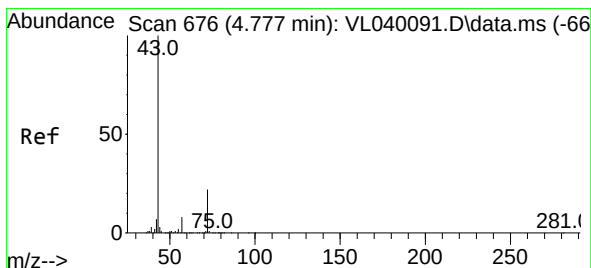
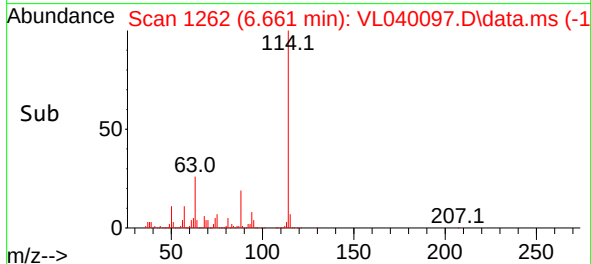
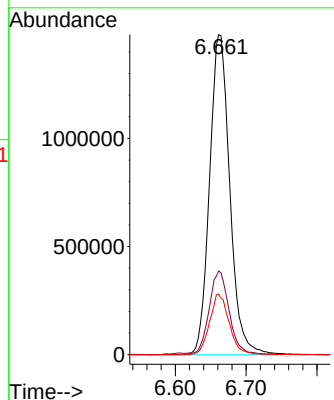
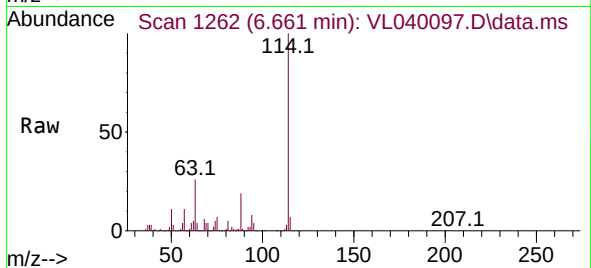
Tgt Ion:114 Resp: 2931378

Ion Ratio Lower Upper

114 100

63 26.6 21.8 32.8

88 18.4 14.8 22.2



#34

2-Butanone

Concen: 14.807 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.010 min

Lab File: VL040097.D

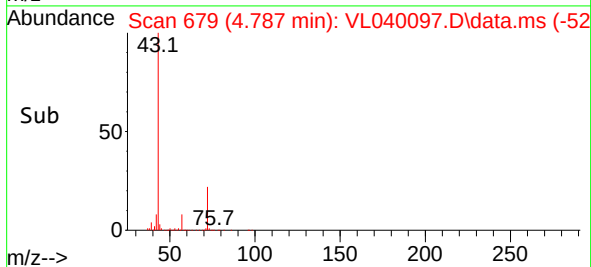
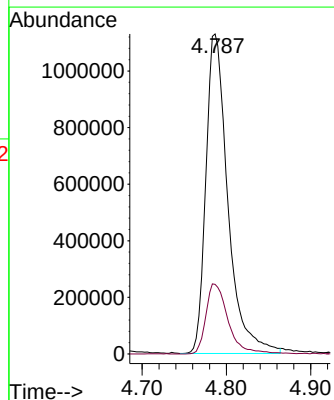
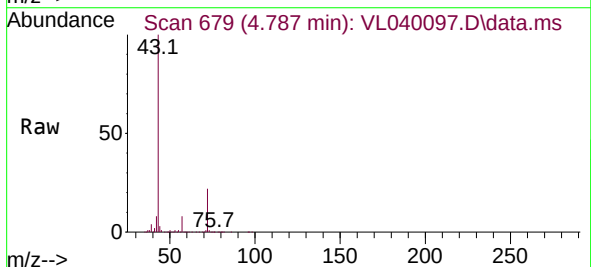
Acq: 16 Jan 2023 14:07

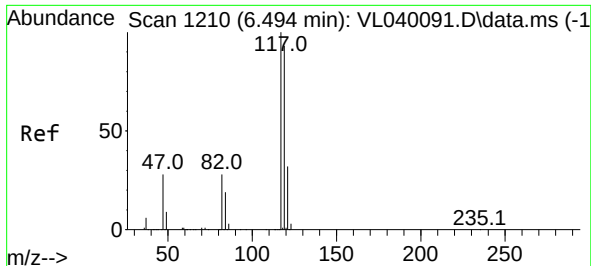
Tgt Ion: 43 Resp: 2053144

Ion Ratio Lower Upper

43 100

72 22.4 18.4 27.6

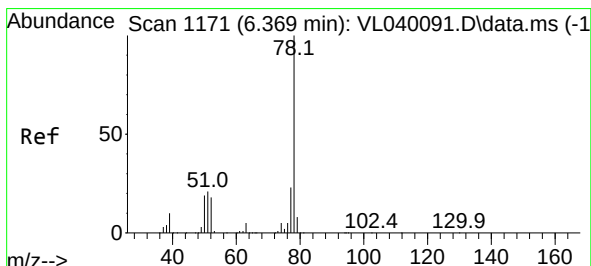
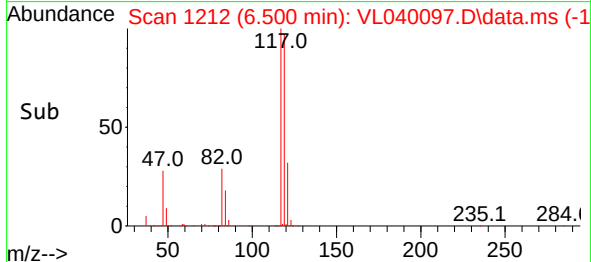
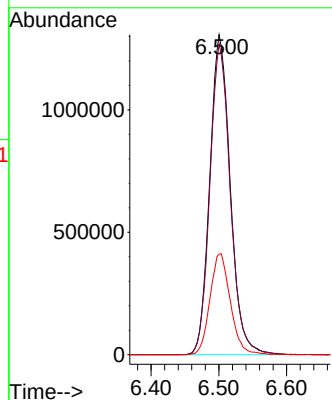
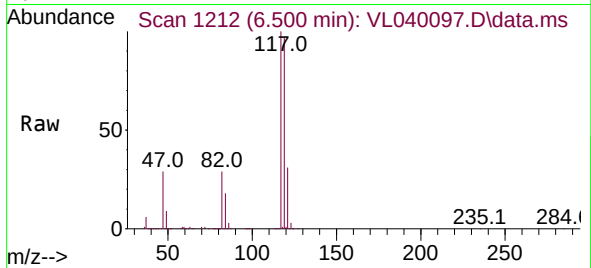




#35
Carbon Tetrachloride
Concen: 16.555 ppbv
RT: 6.500 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

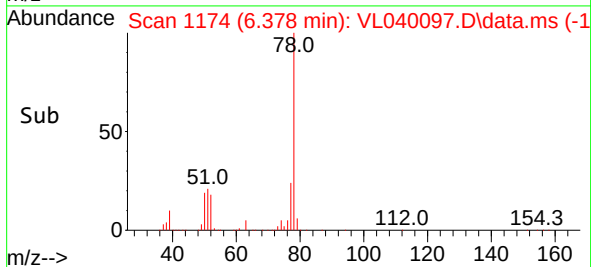
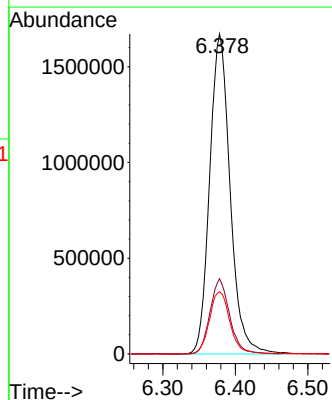
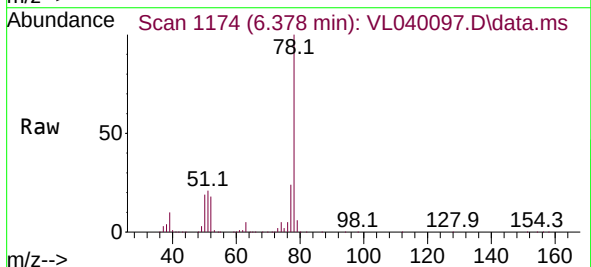
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

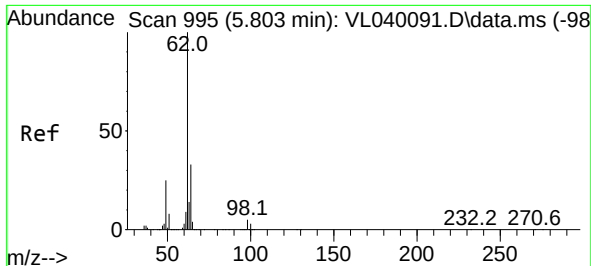
Tgt Ion:117 Resp: 2743987
Ion Ratio Lower Upper
117 100
119 97.1 74.5 111.7
121 31.4 25.4 38.0



#36
Benzene
Concen: 15.081 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 78 Resp: 3271502
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1
50 19.4 15.6 23.4





#37

1,2-Dichloroethane

Concen: 14.817 ppbv

RT: 5.812 min Scan# 995

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

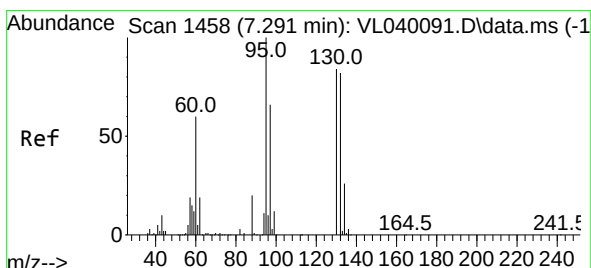
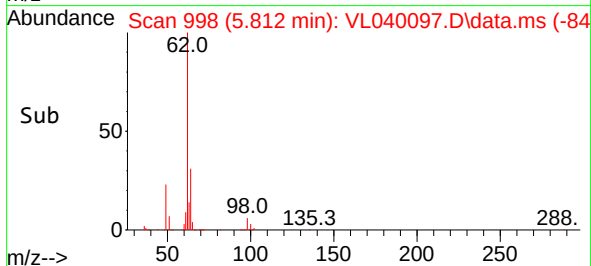
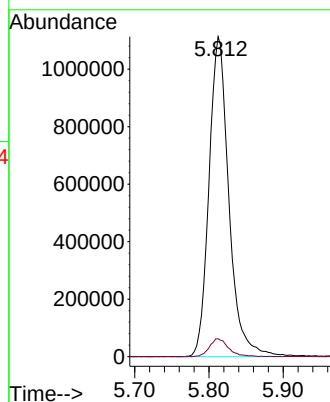
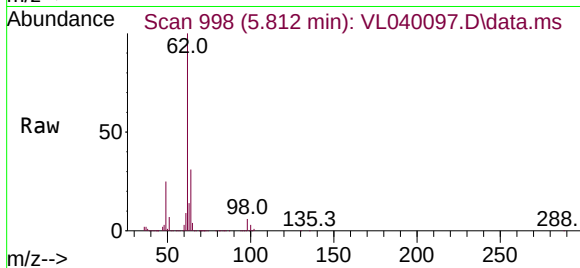
VSTDIC015

Tgt Ion: 62 Resp: 2066016

Ion Ratio Lower Upper

62 100

98 5.6 4.4 6.6



#38

Trichloroethene

Concen: 15.941 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion:130 Resp: 1962597

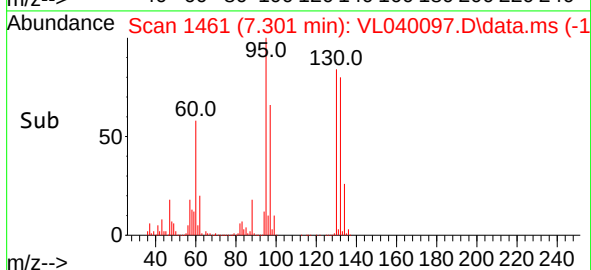
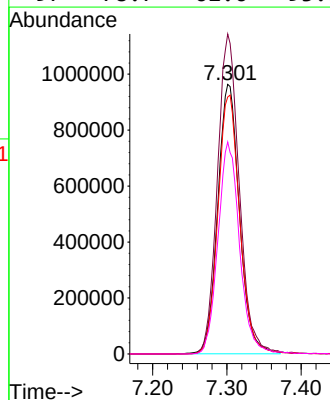
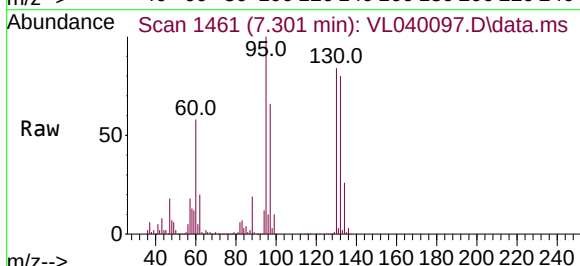
Ion Ratio Lower Upper

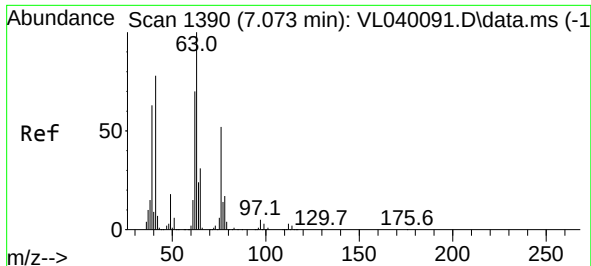
130 100

95 118.8 95.0 142.6

132 95.4 77.9 116.9

97 78.7 62.6 93.8





#39

1,2-Dichloropropane

Concen: 14.991 ppbv

RT: 7.082 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

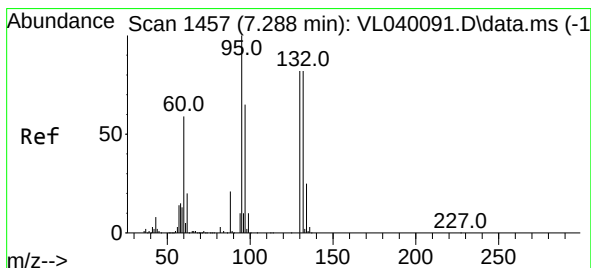
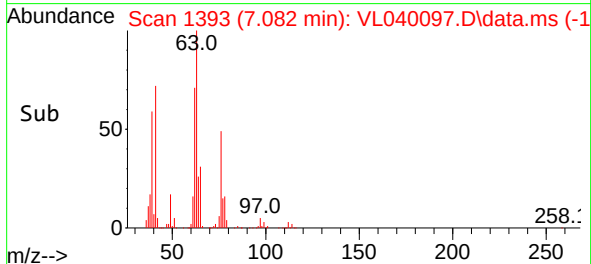
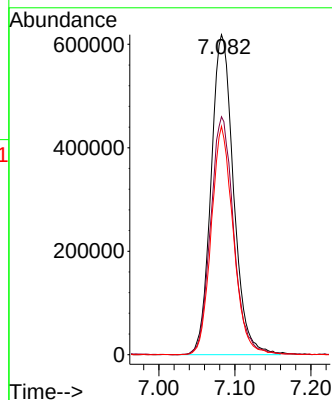
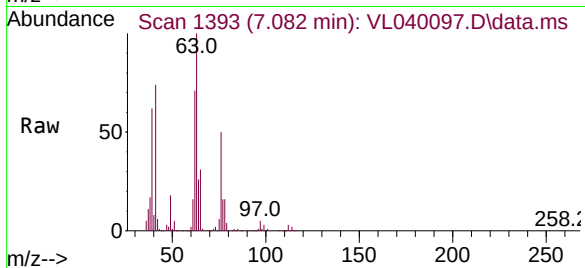
Tgt Ion: 63 Resp: 1271998

Ion Ratio Lower Upper

63 100

41 74.3 62.2 93.4

62 71.3 55.8 83.8



#40

1,4-Dioxane

Concen: 14.638 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 88 Resp: 492918

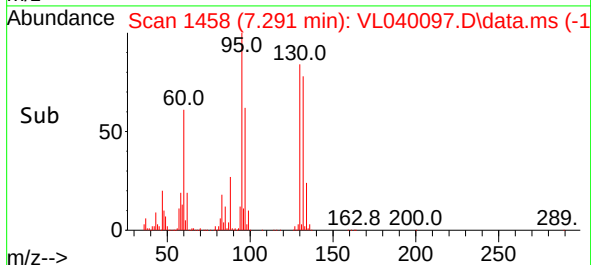
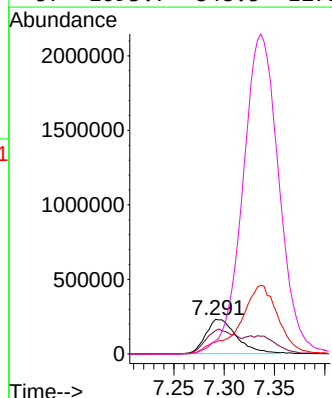
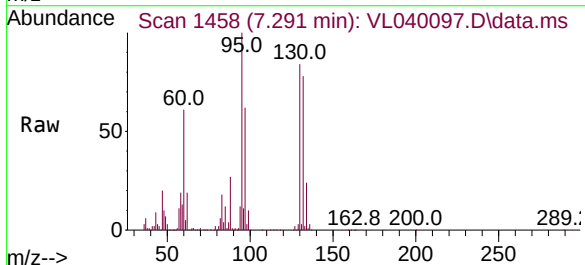
Ion Ratio Lower Upper

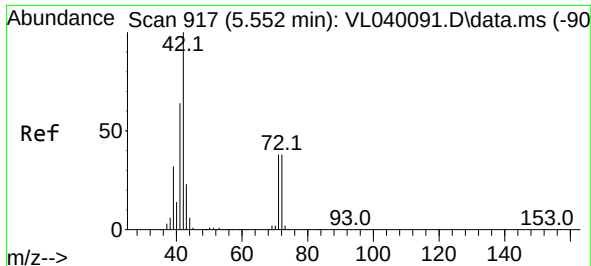
88 100

58 124.0 97.5 146.3

43 251.2 195.0 292.4

57 1093.7 848.5 1272.7





#41

Tetrahydrofuran

Concen: 15.659 ppbv

RT: 5.558 min Scan# 917

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

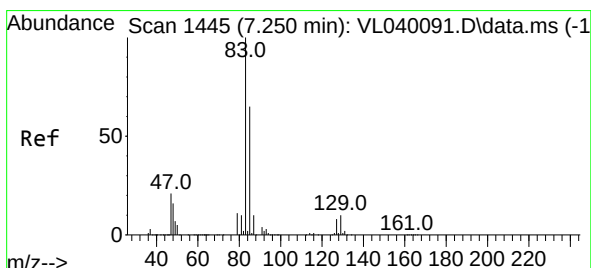
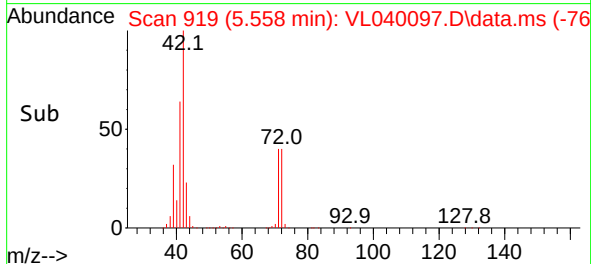
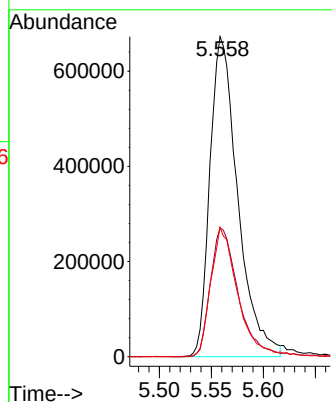
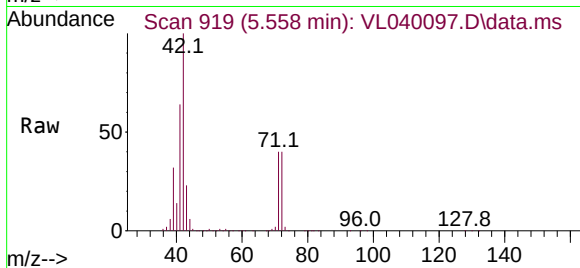
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1253208

Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.9	47.9
71	39.4	31.4	47.2



#42

Bromodichloromethane

Concen: 15.709 ppbv

RT: 7.259 min Scan# 1448

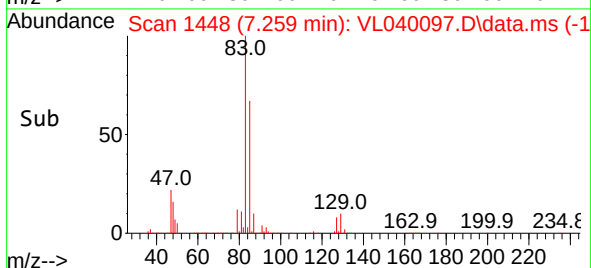
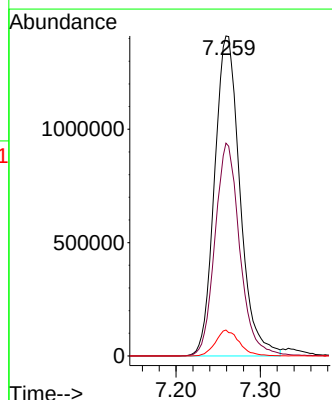
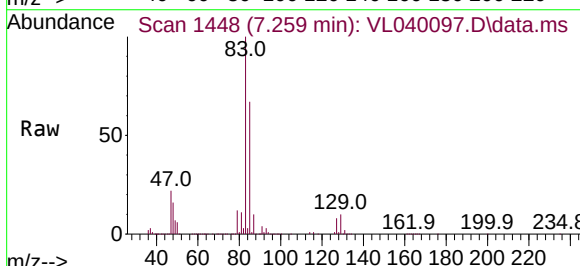
Delta R.T. 0.010 min

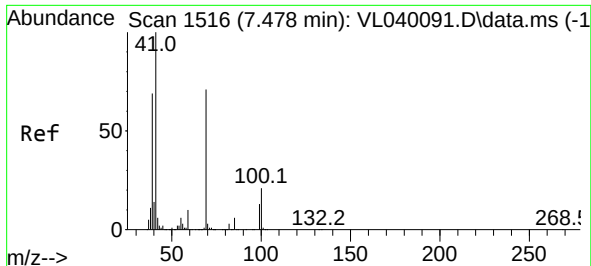
Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 83 Resp: 2957666

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.7	77.5
127	8.1	6.2	9.2





#43

Methyl Methacrylate

Concen: 16.836 ppbv

RT: 7.484 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC015

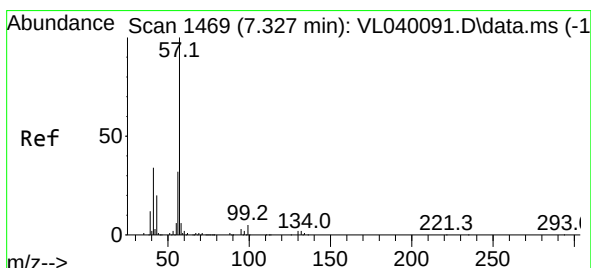
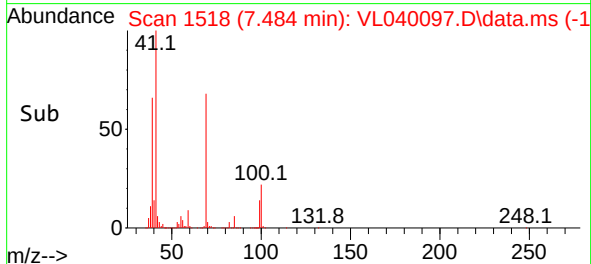
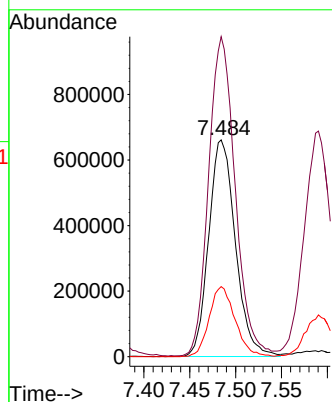
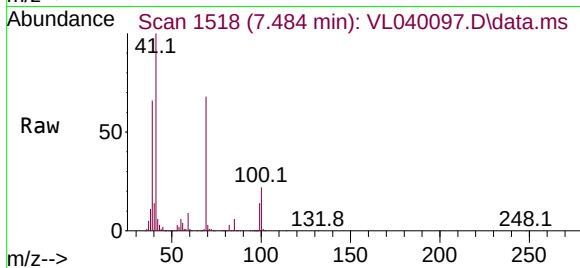
Tgt Ion: 69 Resp: 1340202

Ion Ratio Lower Upper

69 100

41 146.7 118.2 177.2

100 31.4 24.2 36.4



#44

2,2,4-Trimethylpentane

Concen: 14.931 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

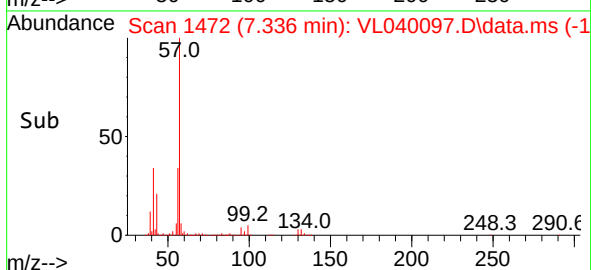
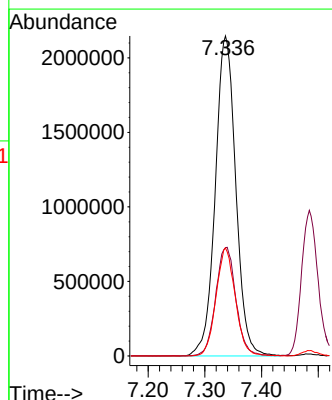
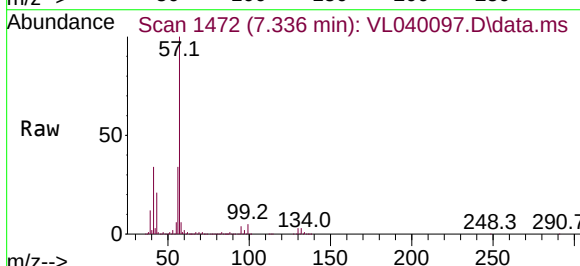
Tgt Ion: 57 Resp: 5386333

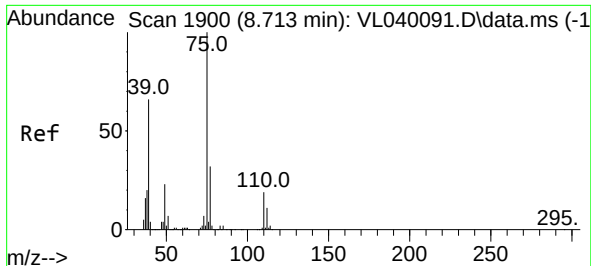
Ion Ratio Lower Upper

57 100

41 33.6 27.1 40.7

56 31.9 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 19.560 ppbv

RT: 8.725 min Scan# 1900

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

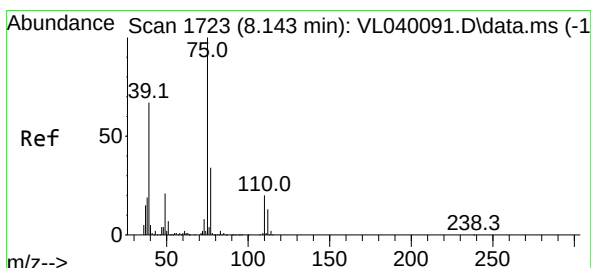
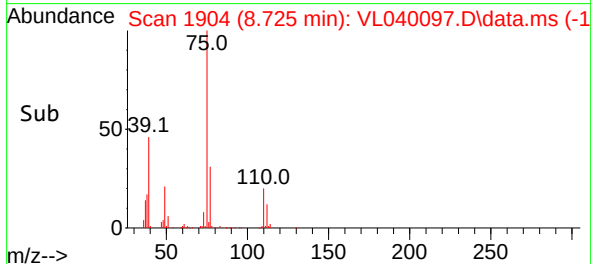
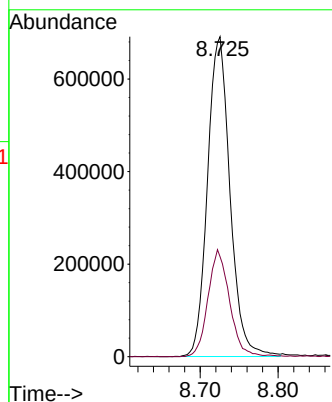
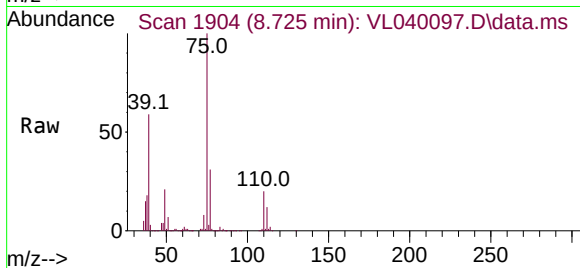
VSTDIC015

Tgt Ion: 75 Resp: 1388446

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 18.474 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

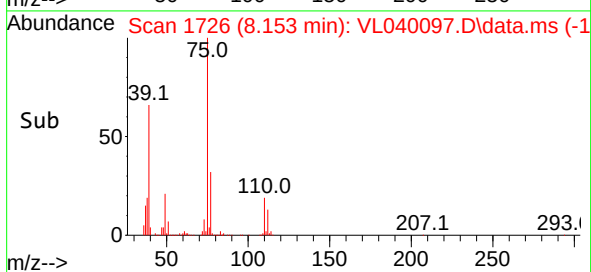
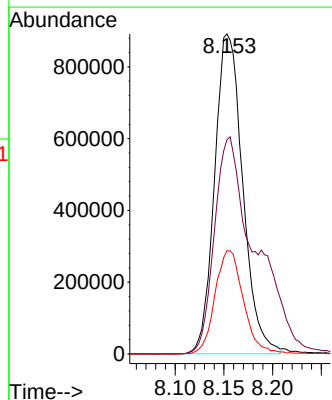
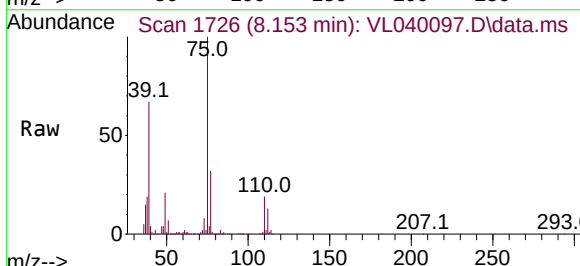
Tgt Ion: 75 Resp: 1791984

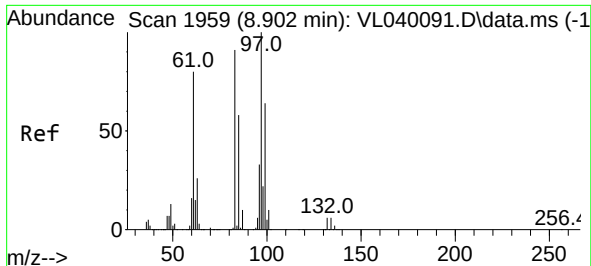
Ion Ratio Lower Upper

75 100

39 66.8 53.6 80.4

77 32.2 26.9 40.3



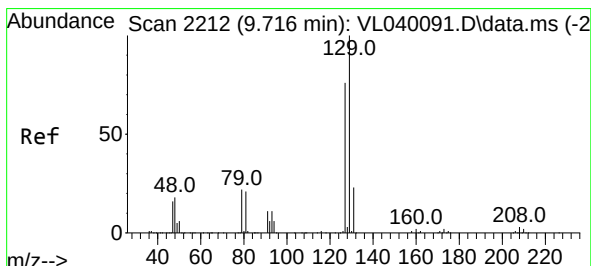
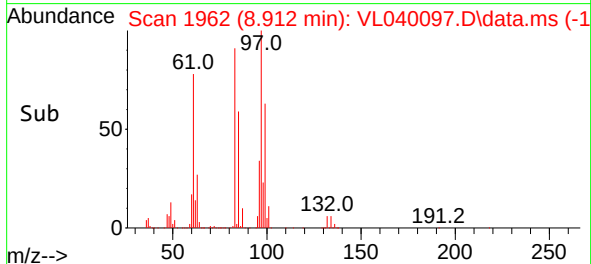
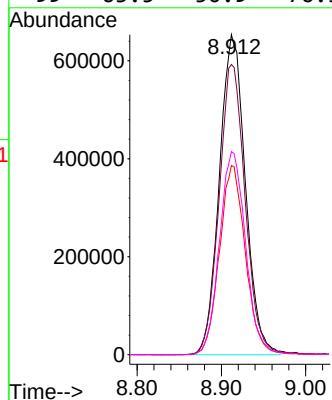
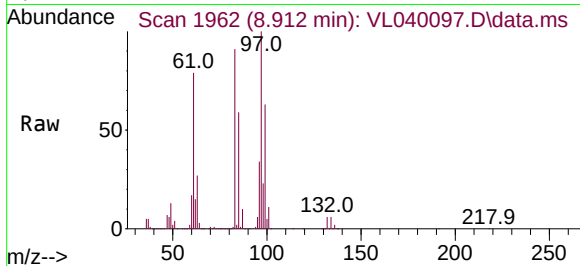


#47
1,1,2-Trichloroethane
Concen: 15.640 ppbv
RT: 8.912 min Scan# 1959
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 97 Resp: 1397237

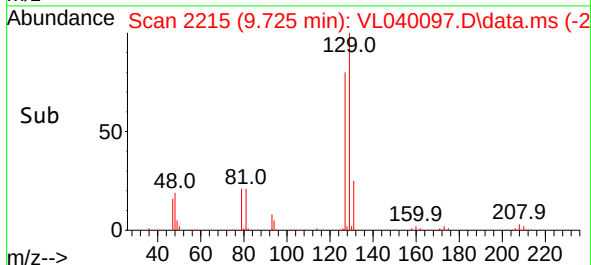
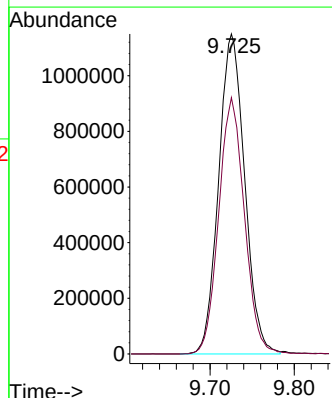
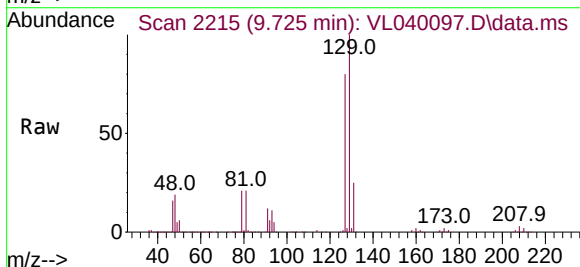
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.9	109.3
85	59.1	46.0	69.0
99	63.5	50.9	76.3

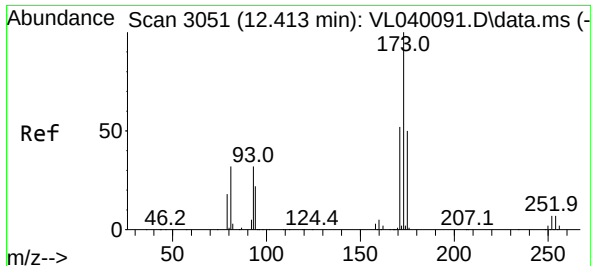


#48
Dibromochloromethane
Concen: 17.147 ppbv
RT: 9.725 min Scan# 2215
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 129 Resp: 2462019

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.9

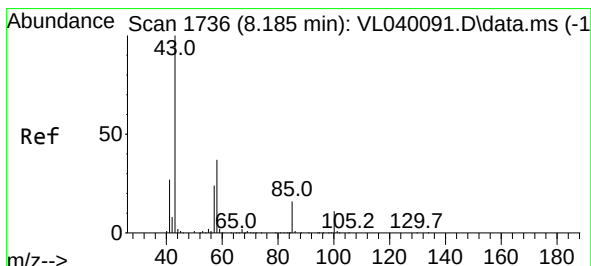
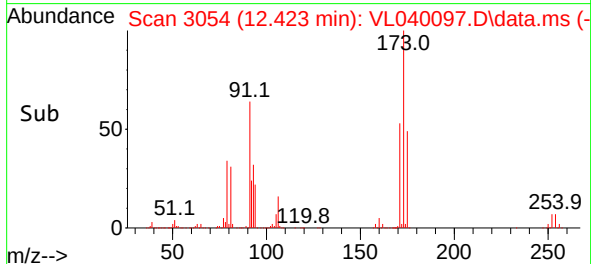
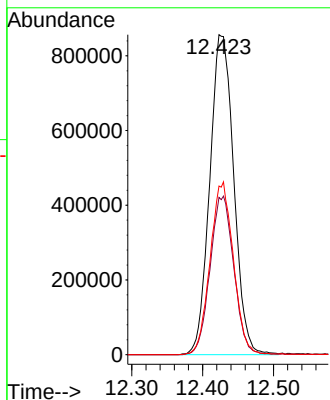
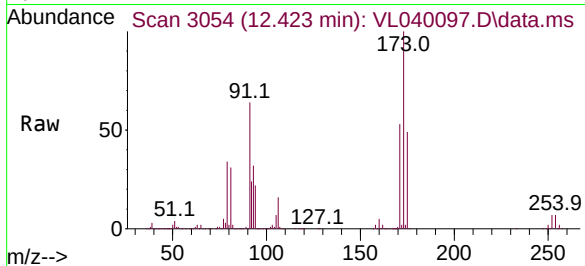




#49
Bromoform
Concen: 18.234 ppbv
RT: 12.423 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

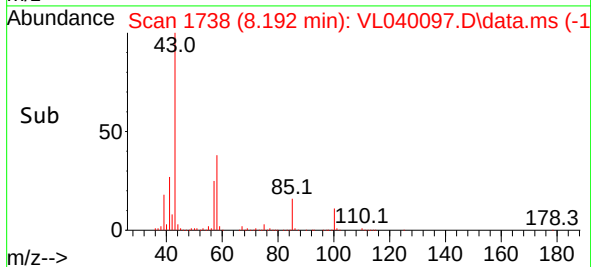
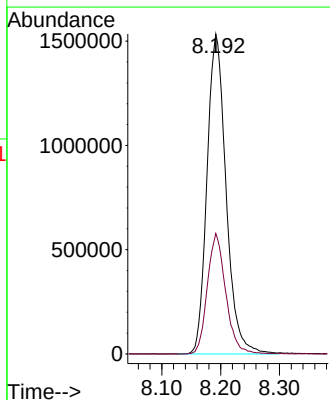
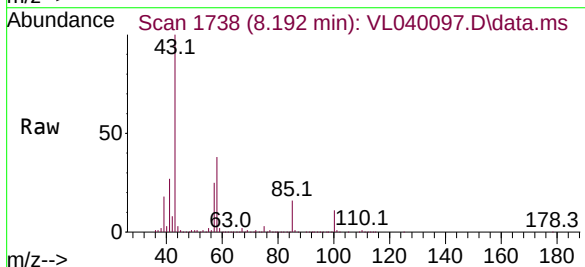
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

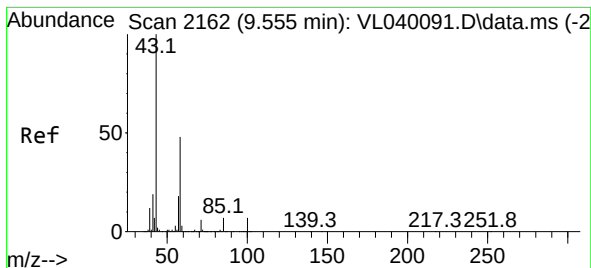
Tgt Ion:173 Resp: 2016830
Ion Ratio Lower Upper
173 100
175 49.0 39.7 59.5
171 52.5 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 15.832 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 43 Resp: 3452931
Ion Ratio Lower Upper
43 100
58 36.4 28.8 43.2





#51

2-Hexanone

Concen: 16.659 ppbv

RT: 9.565 min Scan# 2165

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

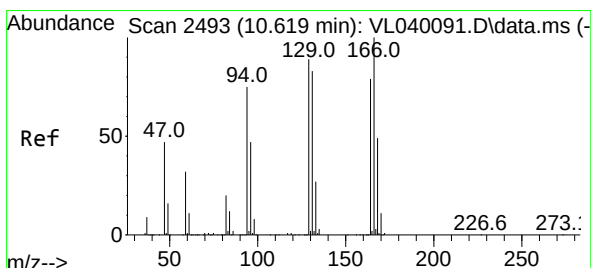
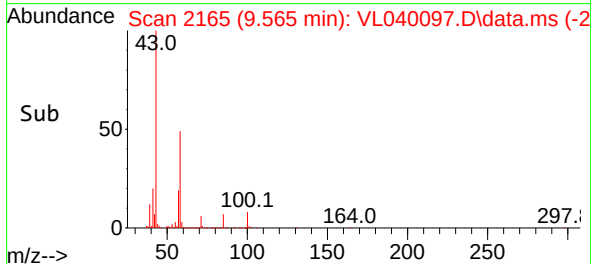
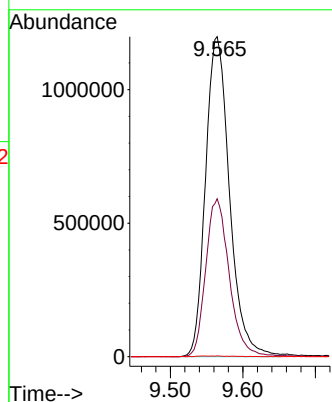
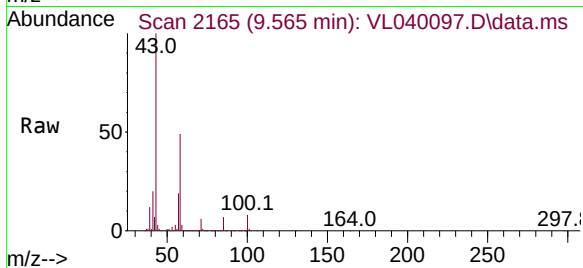
Tgt Ion: 43 Resp: 2752624

Ion Ratio Lower Upper

43 100

58 48.7 37.5 56.3

98 0.3 0.4 0.6#



#52

Tetrachloroethene

Concen: 16.200 ppbv

RT: 10.629 min Scan# 2496

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 164 Resp: 1149633

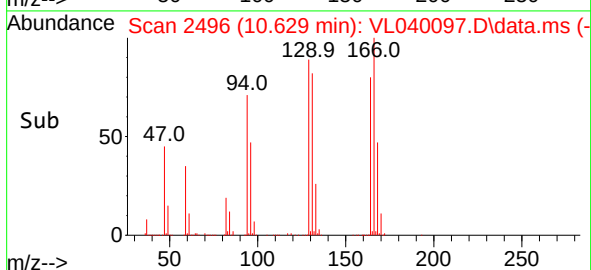
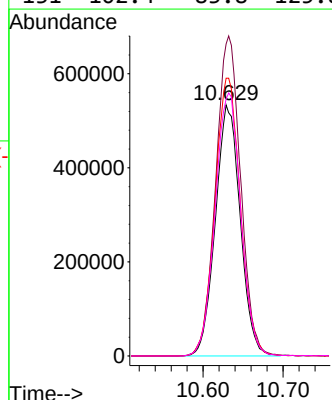
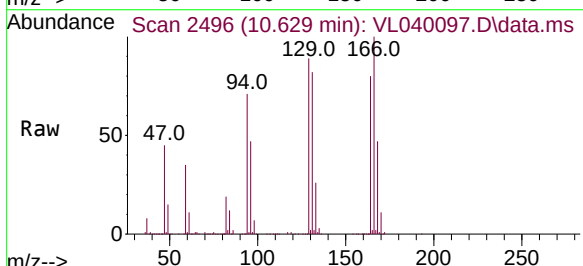
Ion Ratio Lower Upper

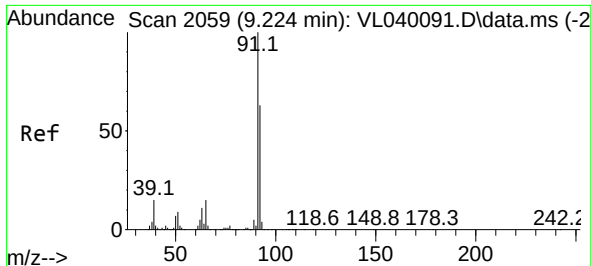
164 100

166 124.2 101.2 151.8

129 110.6 90.2 135.2

131 102.4 83.8 125.8

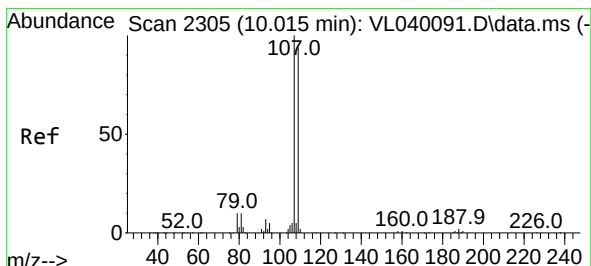
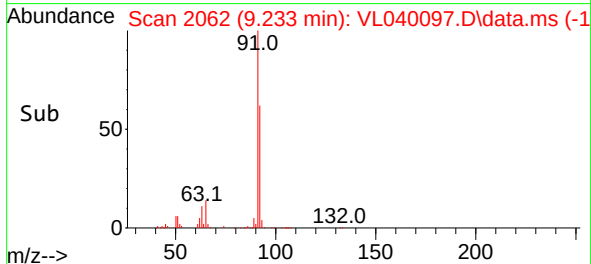
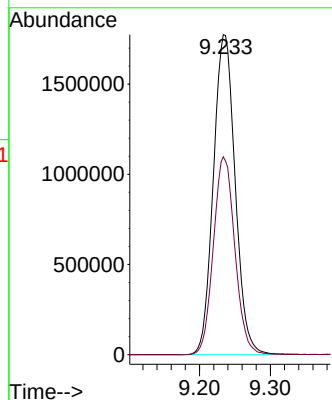
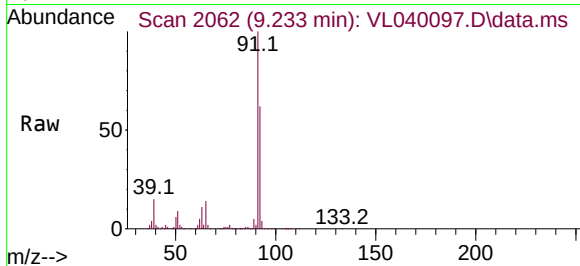




#53
Toluene
Concen: 16.379 ppbv
RT: 9.233 min Scan# 2059
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

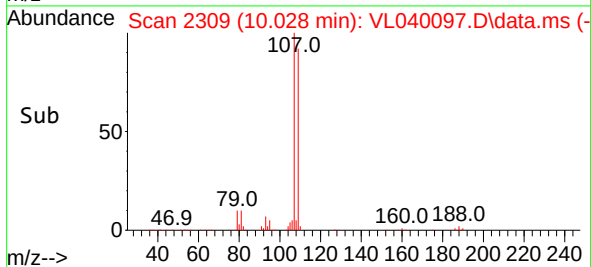
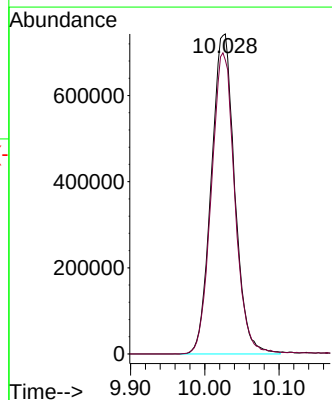
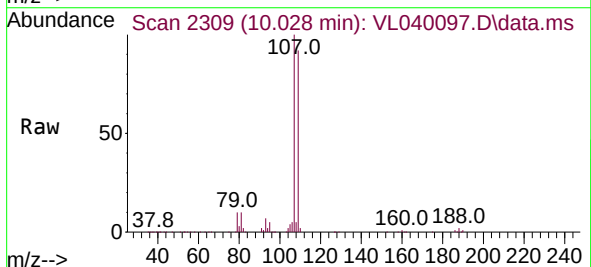
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

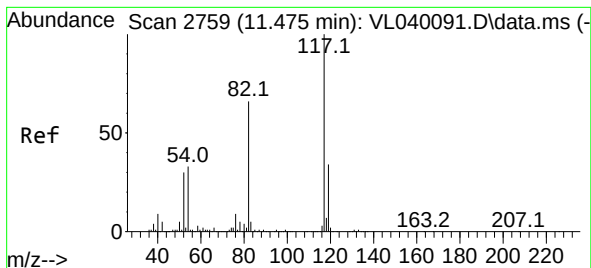
Tgt Ion: 91 Resp: 3789613
Ion Ratio Lower Upper
91 100
92 61.0 48.3 72.5



#54
1,2-Dibromoethane
Concen: 17.399 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 107 Resp: 1627331
Ion Ratio Lower Upper
107 100
109 91.9 75.0 112.4

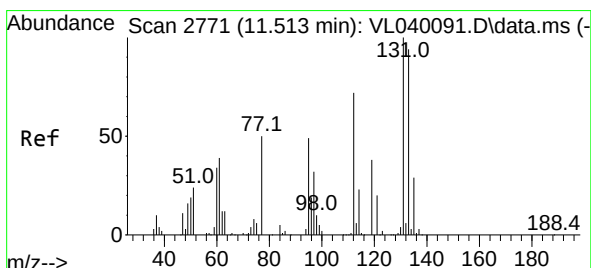
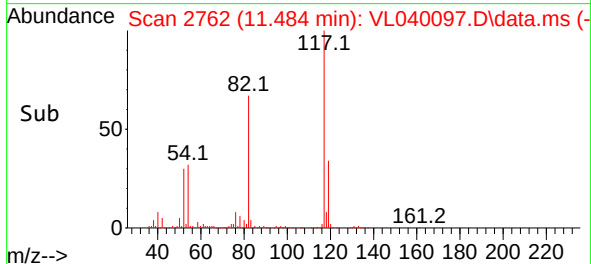
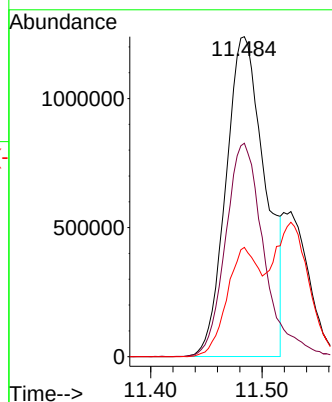
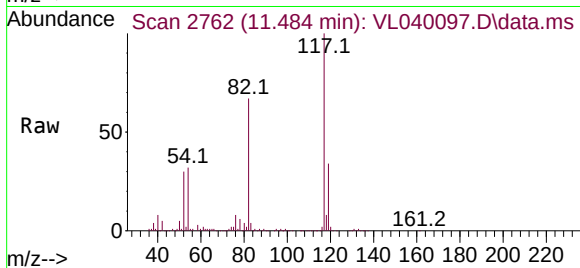




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

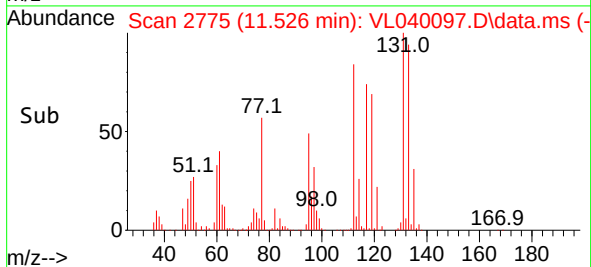
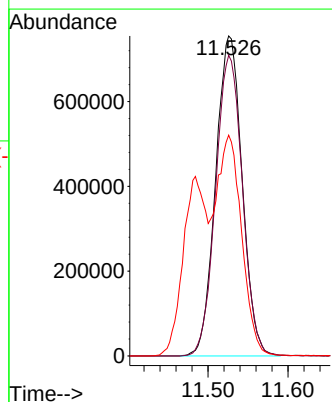
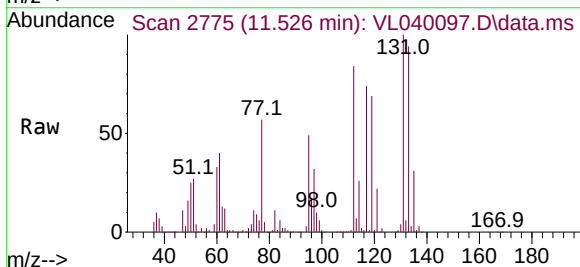
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

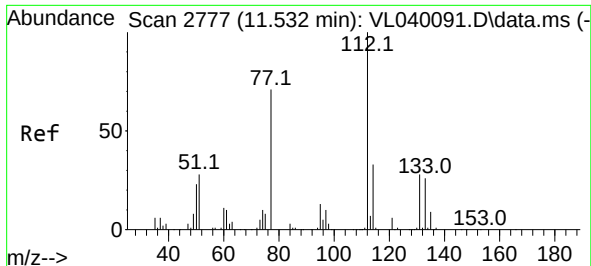
Tgt Ion:117 Resp: 3029443
Ion Ratio Lower Upper
117 100
82 66.1 54.4 81.6
119 27.8 26.8 40.2



#56
1,1,1,2-Tetrachloroethane
Concen: 14.720 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion:131 Resp: 1735609
Ion Ratio Lower Upper
131 100
133 95.2 75.6 113.4
119 65.6 47.2 70.8

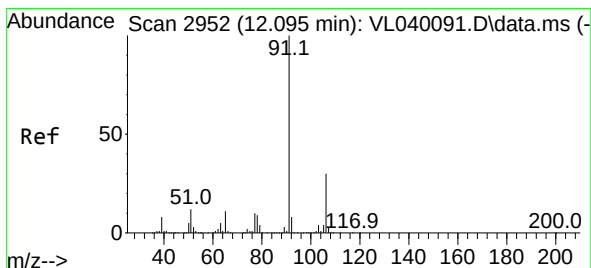
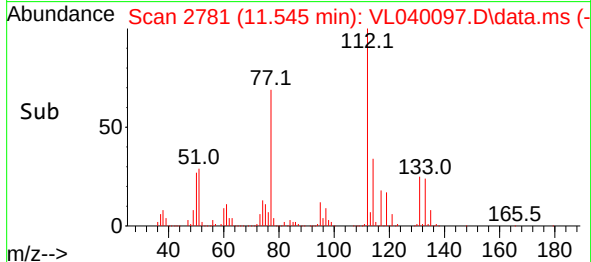
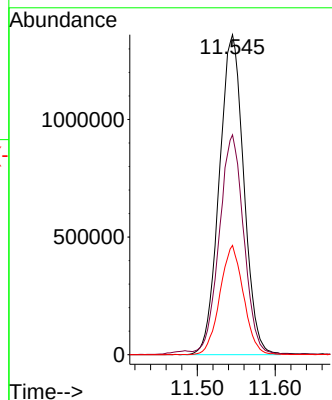
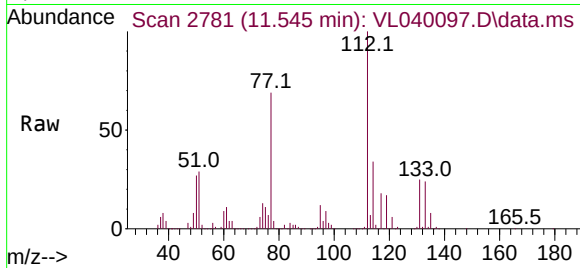




#57
Chlorobenzene
Concen: 14.399 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

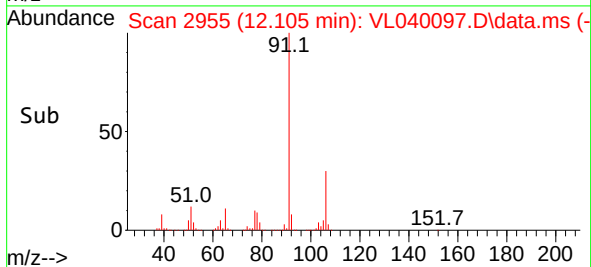
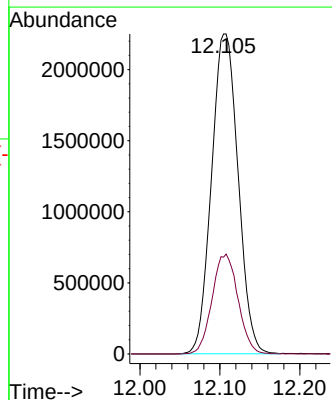
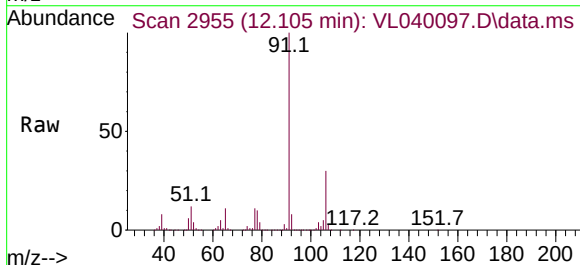
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

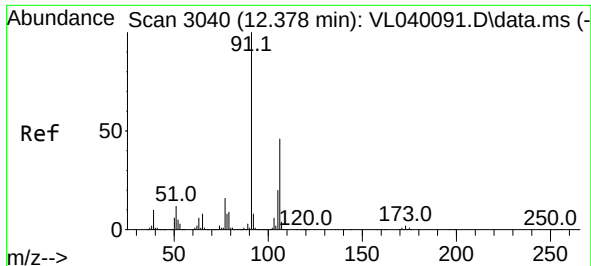
Tgt Ion:112 Resp: 2973426
Ion Ratio Lower Upper
112 100
77 68.4 57.3 85.9
114 34.2 29.6 36.2



#58
Ethyl Benzene
Concen: 15.334 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 91 Resp: 5184022
Ion Ratio Lower Upper
91 100
106 30.3 23.7 35.5





#59

m/p-Xylene

Concen: 15.250 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

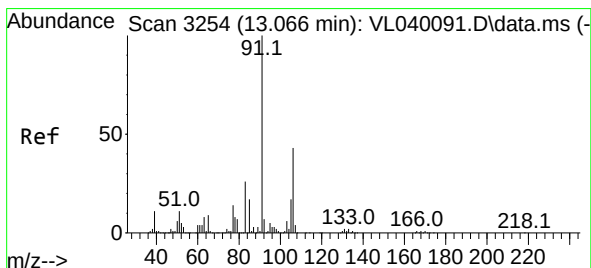
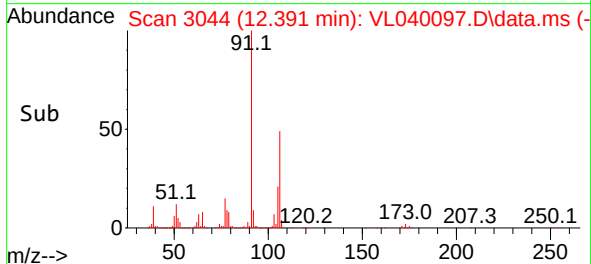
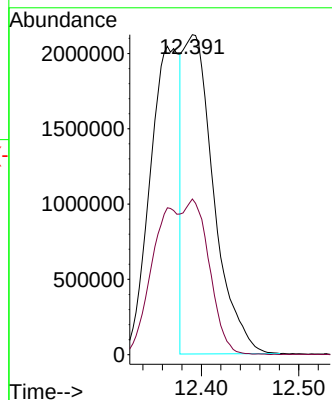
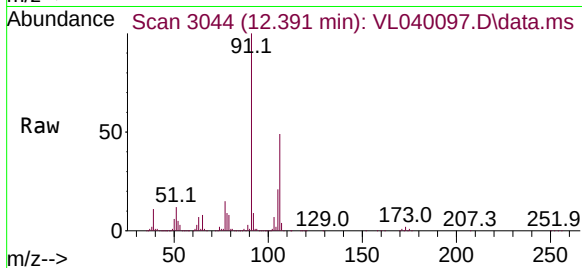
VSTDIC015

Tgt Ion: 91 Resp: 4635711

Ion Ratio Lower Upper

91 100

106 84.9 34.2 51.4#



#60

o-Xylene

Concen: 15.094 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. 0.010 min

Lab File: VL040097.D

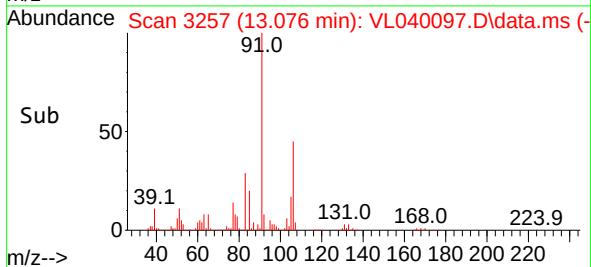
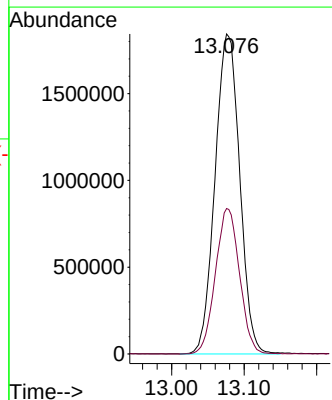
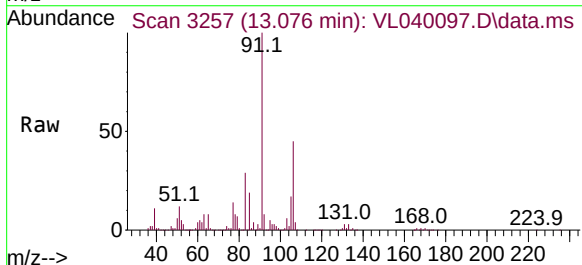
Acq: 16 Jan 2023 14:07

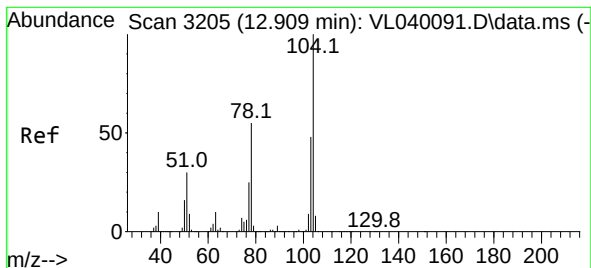
Tgt Ion: 91 Resp: 4355203

Ion Ratio Lower Upper

91 100

106 44.5 21.6 64.8





#61

Styrene

Concen: 17.093 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

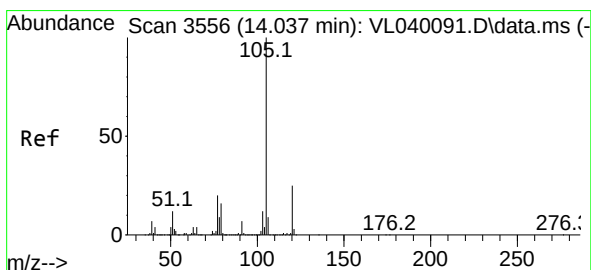
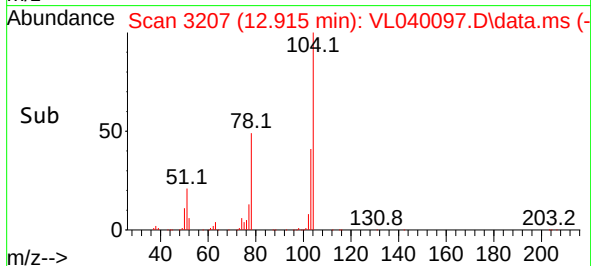
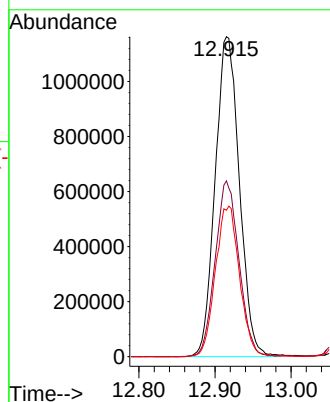
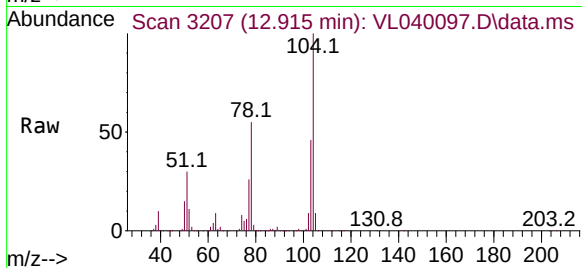
Tgt Ion:104 Resp: 2569960

Ion Ratio Lower Upper

104 100

78 54.2 44.0 66.0

103 47.1 37.8 56.6



#62

Isopropylbenzene

Concen: 14.421 ppbv

RT: 14.050 min Scan# 3560

Delta R.T. 0.013 min

Lab File: VL040097.D

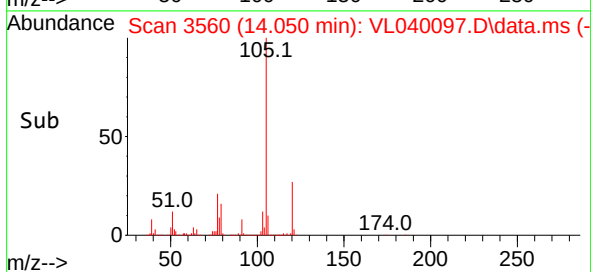
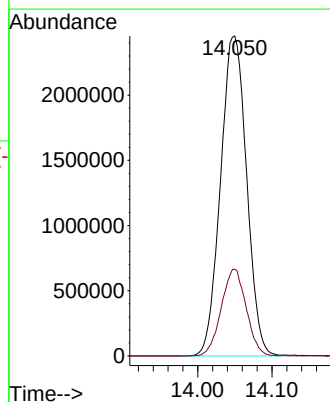
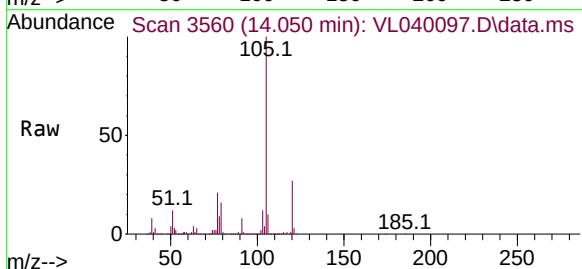
Acq: 16 Jan 2023 14:07

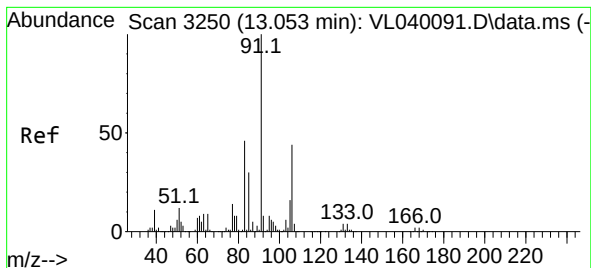
Tgt Ion:105 Resp: 5984738

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.2

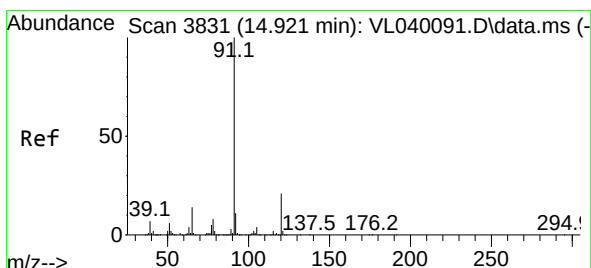
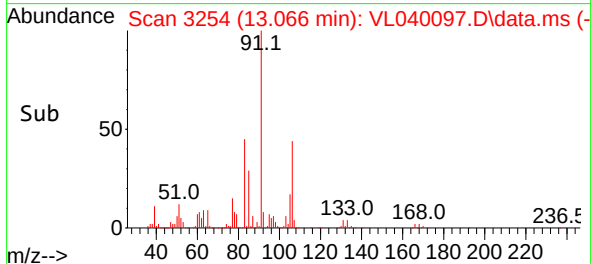
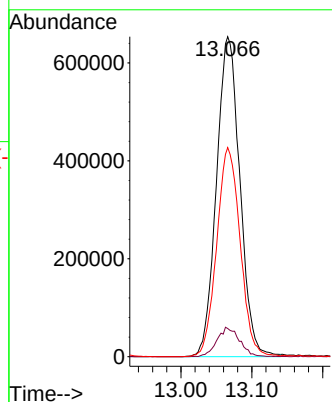
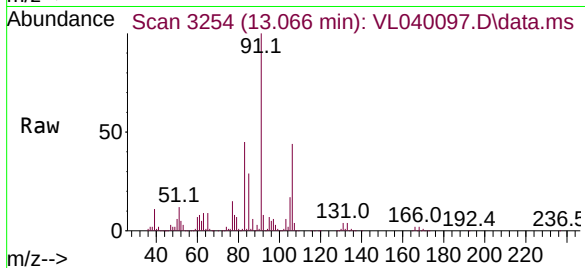




#63
1,1,2,2-Tetrachloroethane
Concen: 14.334 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

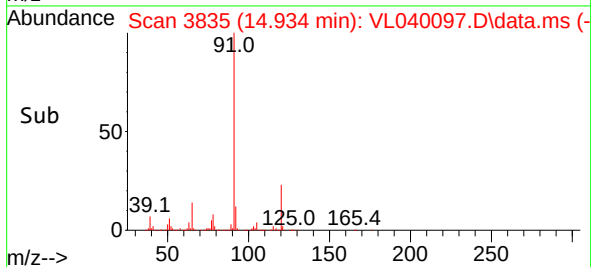
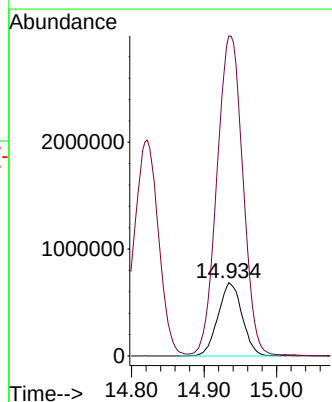
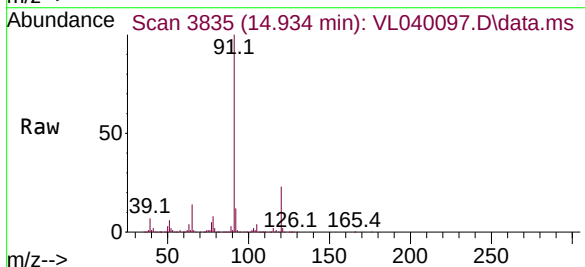
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

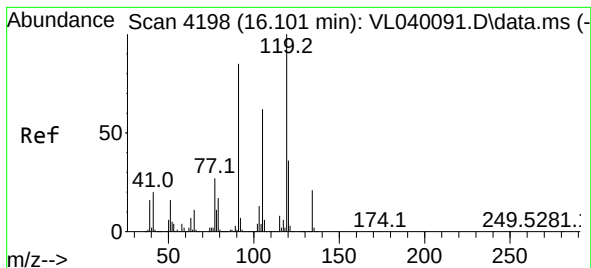
Tgt Ion: 83 Resp: 1501679
Ion Ratio Lower Upper
83 100
131 8.9 4.3 13.1
85 65.9 32.5 97.5



#64
n-propylbenzene
Concen: 15.322 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 120 Resp: 1580656
Ion Ratio Lower Upper
120 100
91 473.3 397.0 595.4

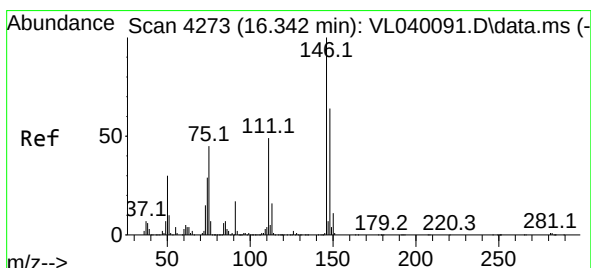
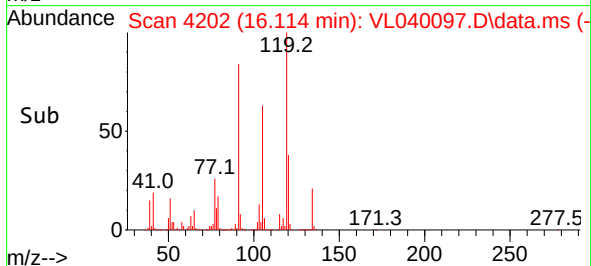
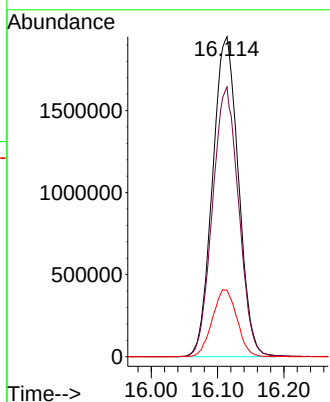
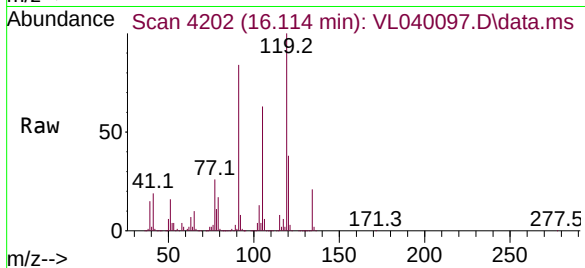




#65
tert-Butylbenzene
Concen: 14.873 ppbv
RT: 16.114 min Scan# 4198
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

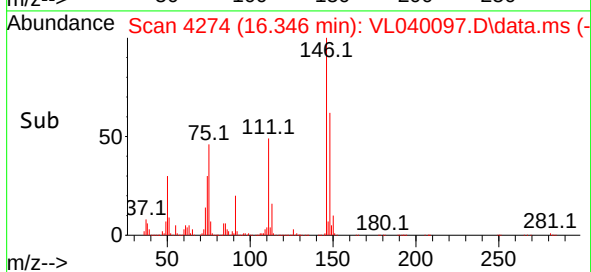
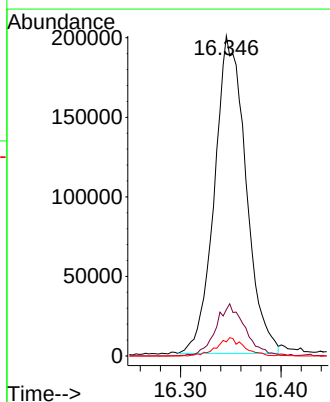
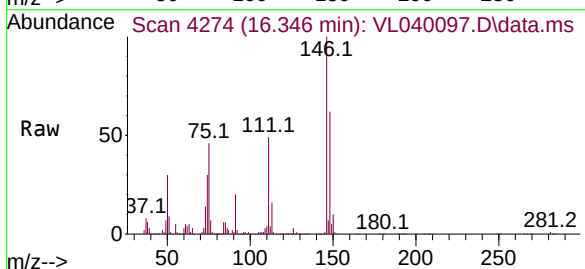
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

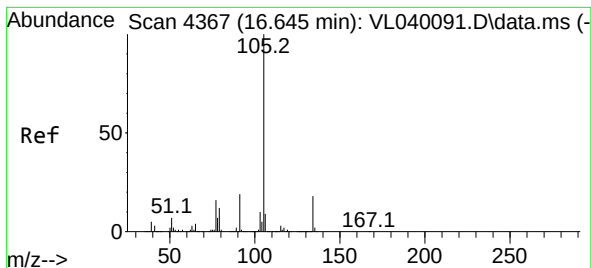
Tgt Ion:119 Resp: 5284387
Ion Ratio Lower Upper
119 100
91 85.1 69.5 104.3
134 20.0 15.8 23.8



#66
Benzyl Chloride
Concen: 17.835 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 91 Resp: 433088
Ion Ratio Lower Upper
91 100
126 15.5 11.5 17.3
128 5.0 0.0 0.0#





#67

sec-Butylbenzene

Concen: 14.561 ppbv

RT: 16.658 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

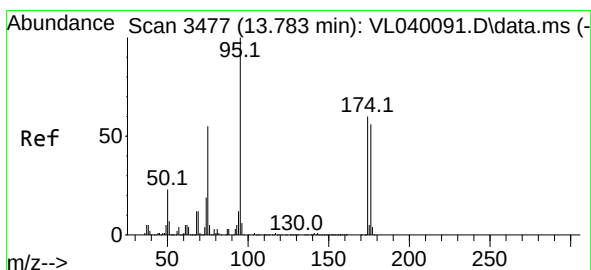
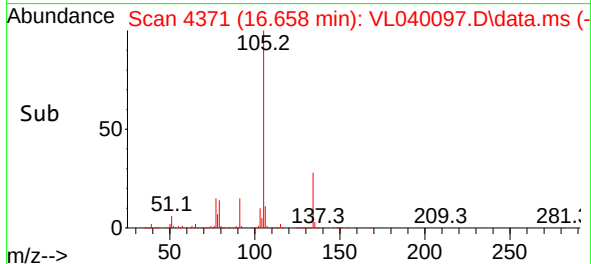
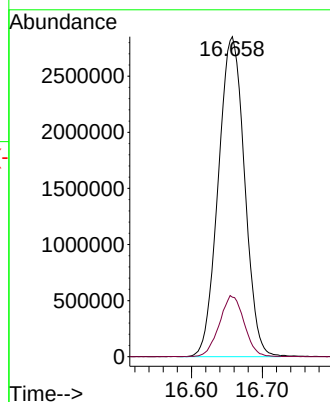
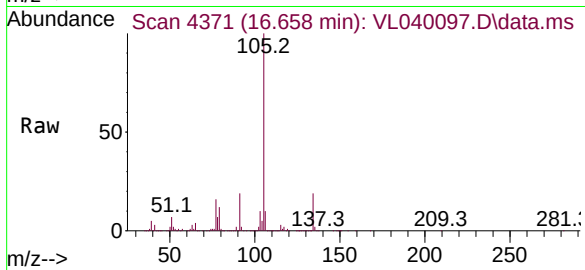
VSTDIC015

Tgt Ion:105 Resp: 7334709

Ion Ratio Lower Upper

105 100

134 18.1 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.780 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

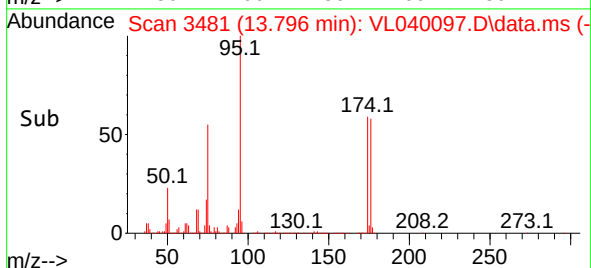
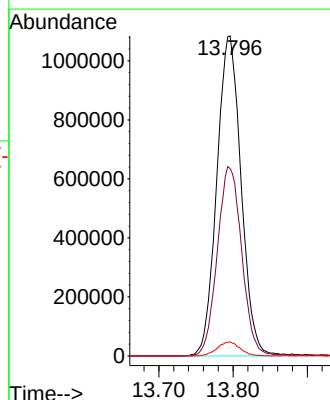
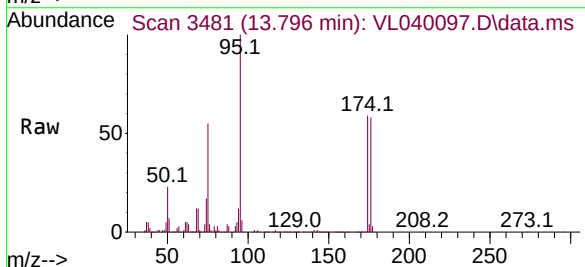
Tgt Ion: 95 Resp: 2462286

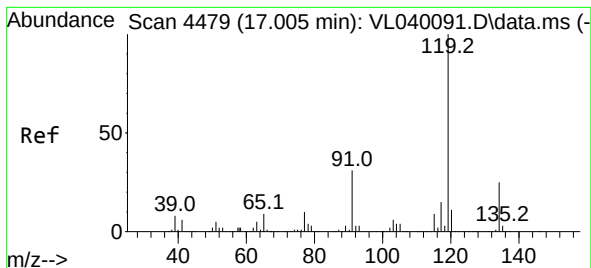
Ion Ratio Lower Upper

95 100

174 60.1 47.7 71.5

175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 15.084 ppbv

RT: 17.018 min Scan# 4479

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

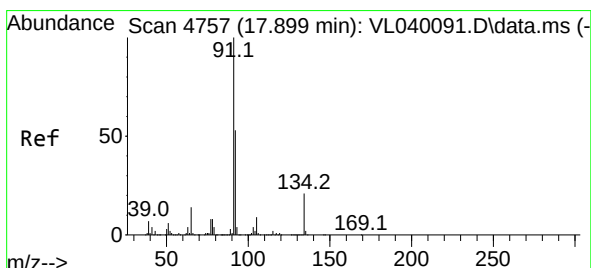
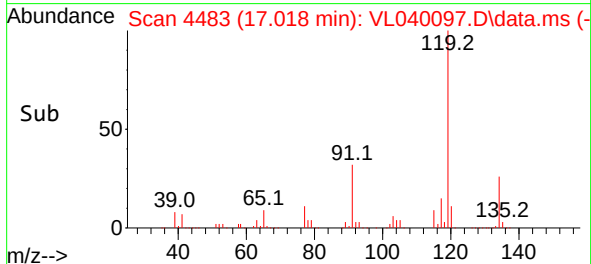
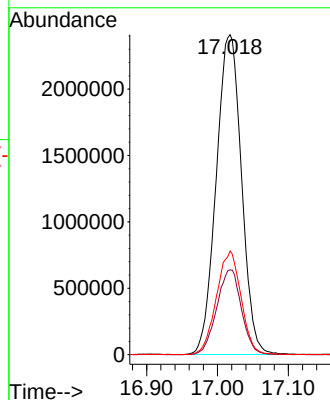
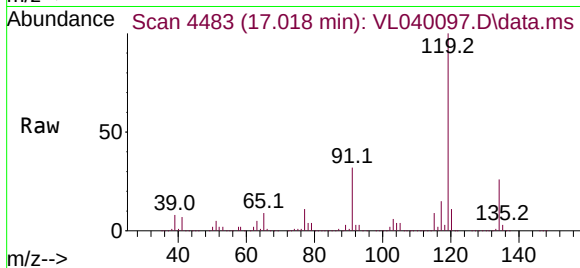
Tgt Ion:119 Resp: 5970669

Ion Ratio Lower Upper

119 100

134 26.0 20.1 30.1

91 31.5 25.0 37.4



#70

n-Butylbenzene

Concen: 14.900 ppbv

RT: 17.908 min Scan# 4760

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

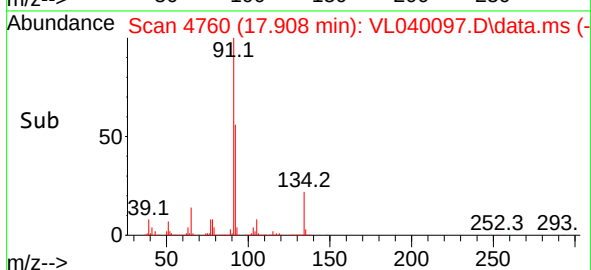
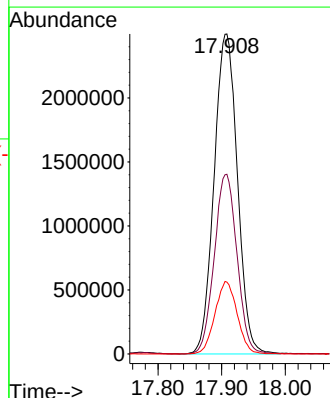
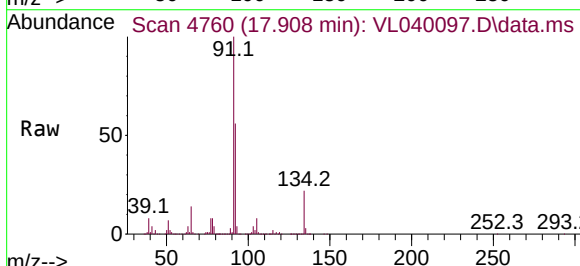
Tgt Ion: 91 Resp: 6360262

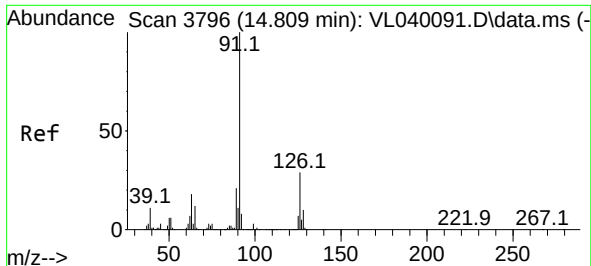
Ion Ratio Lower Upper

91 100

92 54.8 42.8 64.2

134 21.6 16.9 25.3

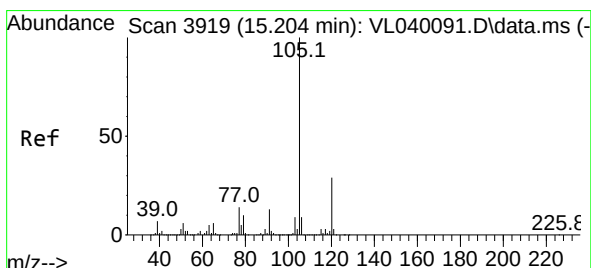
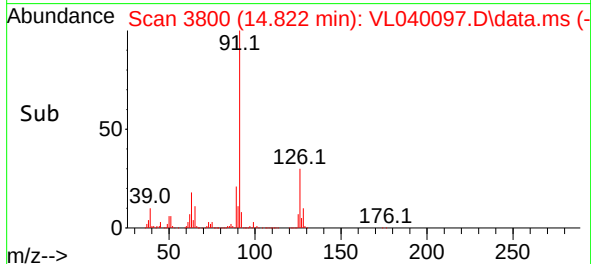
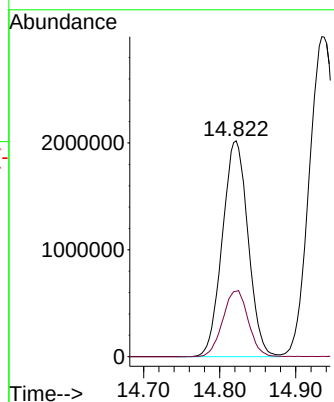
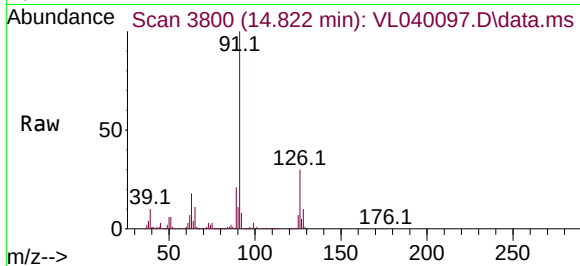




#71
2-Chlorotoluene
Concen: 14.866 ppbv
RT: 14.822 min Scan# 3800
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

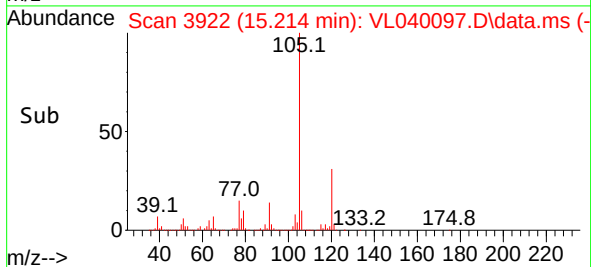
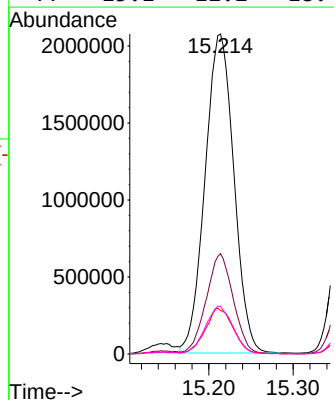
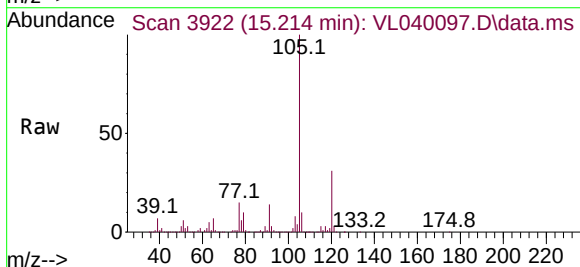
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

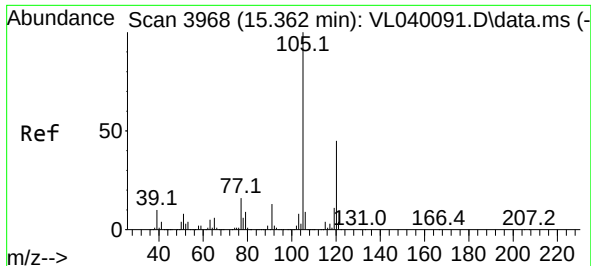
Tgt Ion: 91 Resp: 4744923
Ion Ratio Lower Upper
91 100
126 30.5 11.9 47.5



#72
4-Ethyltoluene
Concen: 15.363 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion:105 Resp: 4918852
Ion Ratio Lower Upper
105 100
120 30.7 23.1 34.7
91 13.9 11.2 16.8
77 15.1 12.2 18.4

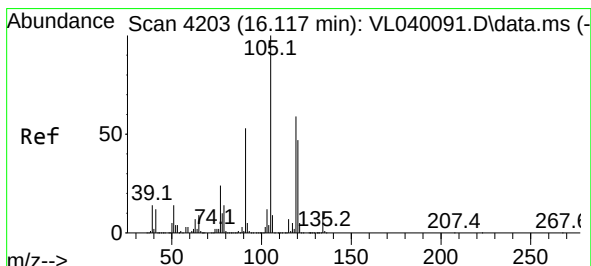
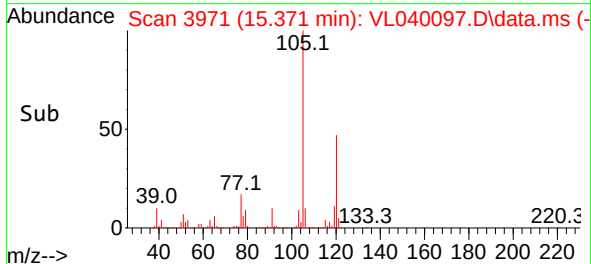
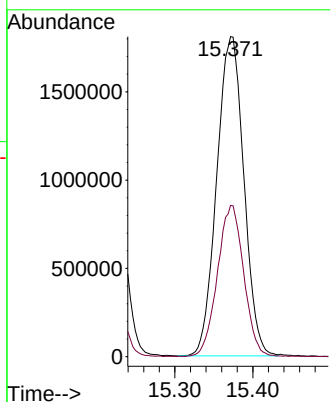
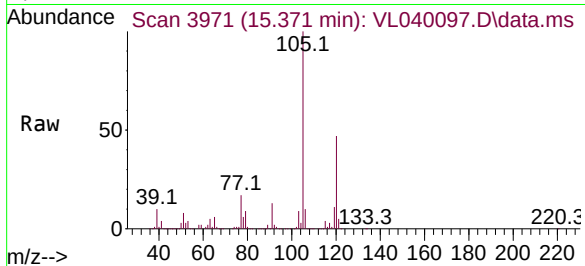




#73
1,3,5-Trimethylbenzene
Concen: 15.172 ppbv
RT: 15.371 min Scan# 3968
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

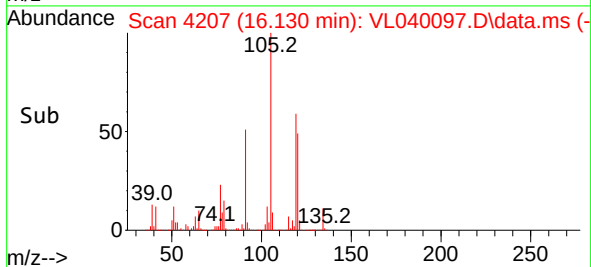
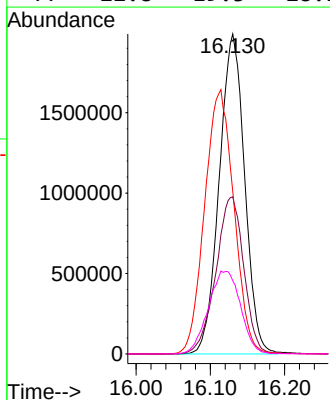
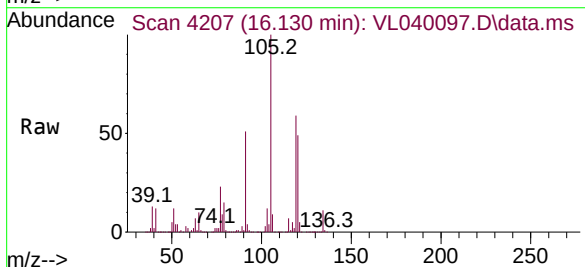
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

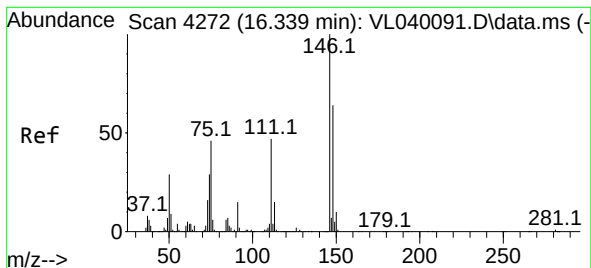
Tgt Ion:105 Resp: 4373724
Ion Ratio Lower Upper
105 100
120 47.3 36.2 54.4



#74
1,2,4-Trimethylbenzene
Concen: 14.777 ppbv
RT: 16.130 min Scan# 4207
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion:105 Resp: 4718692
Ion Ratio Lower Upper
105 100
120 49.0 38.0 57.0
91 50.4 42.1 63.1
77 22.8 19.3 28.9





#75

1,3-Dichlorobenzene

Concen: 15.004 ppbv

RT: 16.355 min Scan# 4320

Delta R.T. 0.016 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

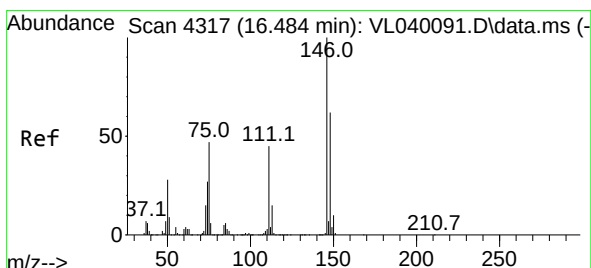
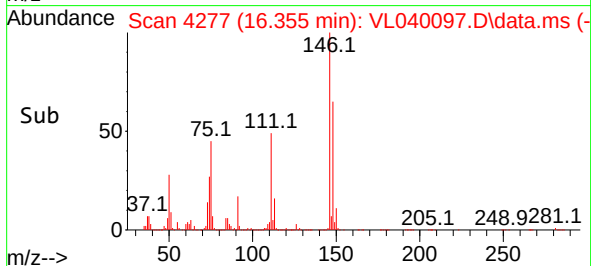
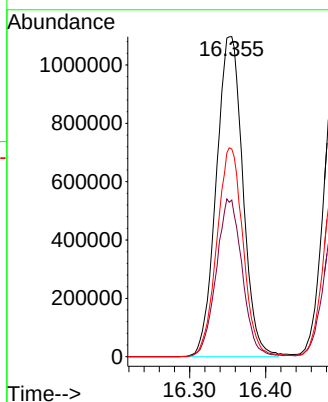
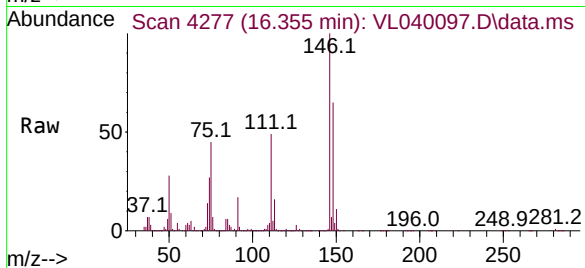
Tgt Ion:146 Resp: 2661139

Ion Ratio Lower Upper

146 100

111 48.3 24.3 73.0

148 64.4 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 14.844 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

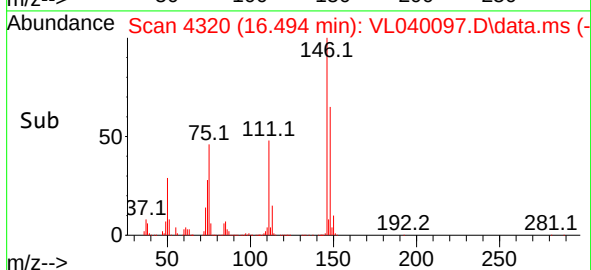
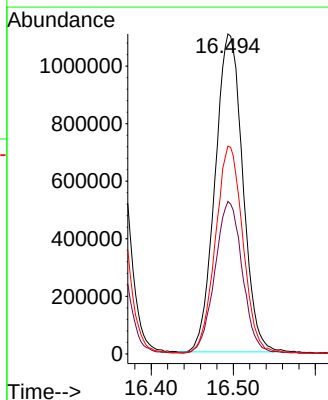
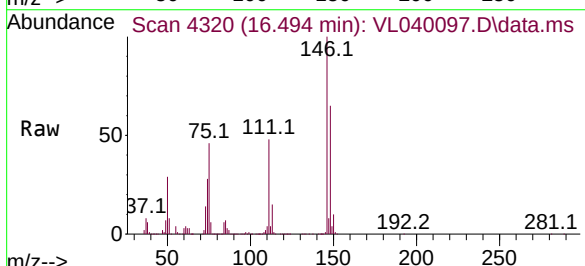
Tgt Ion:146 Resp: 2588461

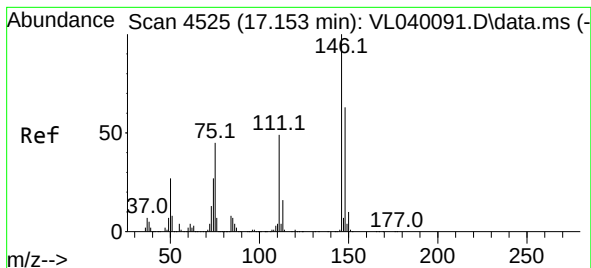
Ion Ratio Lower Upper

146 100

111 48.2 23.8 71.2

148 65.8 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 14.714 ppbv

RT: 17.166 min Scan# 4525

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

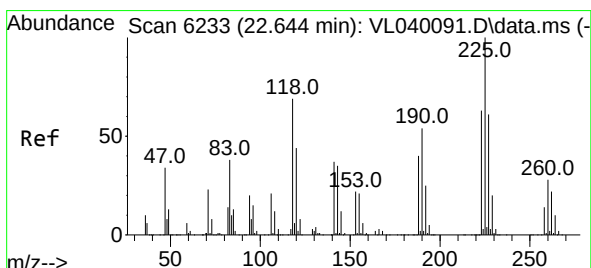
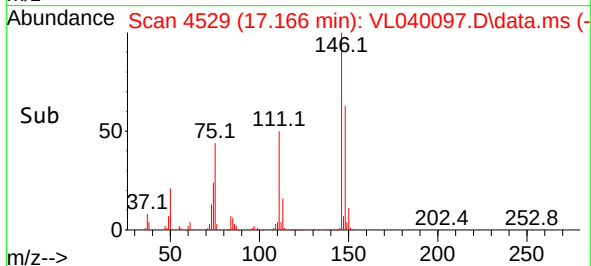
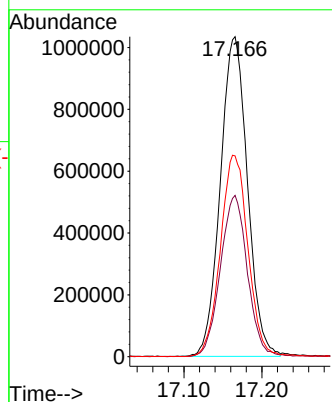
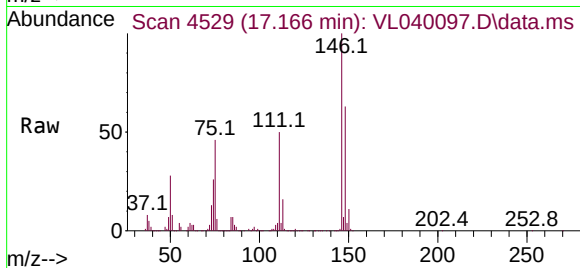
Tgt Ion:146 Resp: 2495604

Ion Ratio Lower Upper

146 100

111 50.4 25.1 75.2

148 64.2 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 13.498 ppbv

RT: 22.660 min Scan# 6238

Delta R.T. 0.016 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

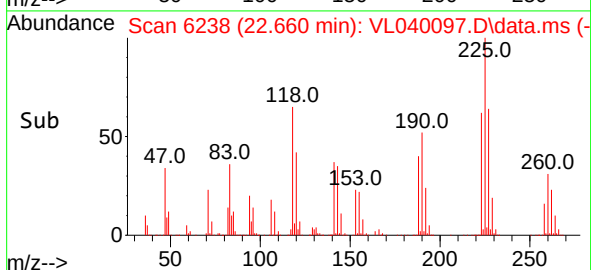
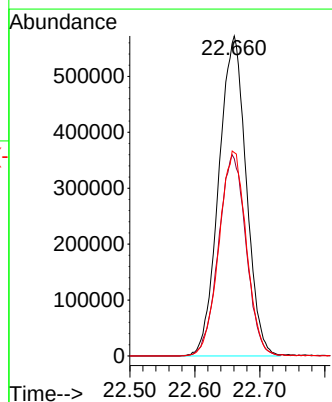
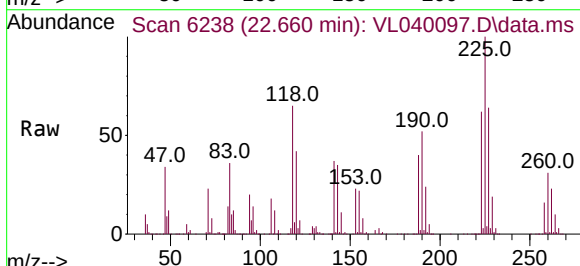
Tgt Ion:225 Resp: 1676914

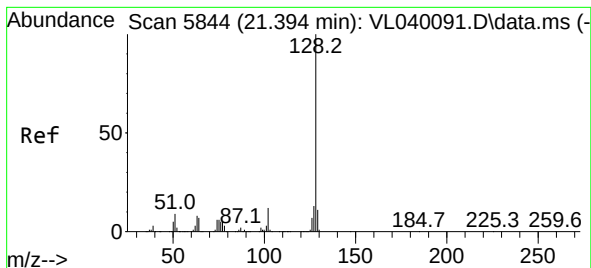
Ion Ratio Lower Upper

225 100

223 63.2 51.5 77.3

227 64.2 50.6 76.0





#79

Naphthalene

Concen: 18.974 ppbv

RT: 21.410 min Scan# 5849

Delta R.T. 0.016 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

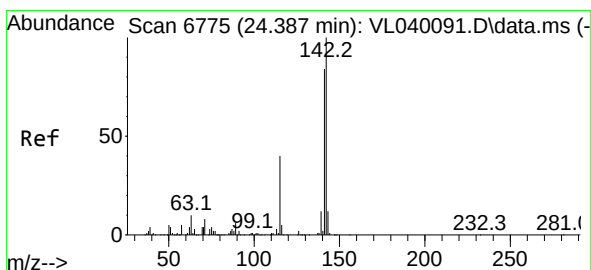
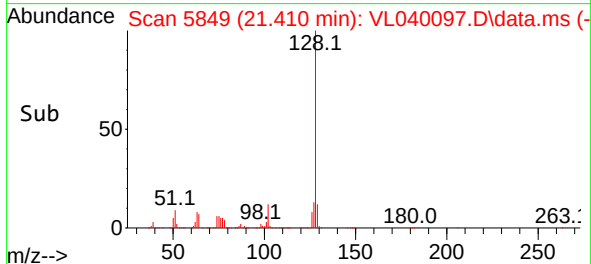
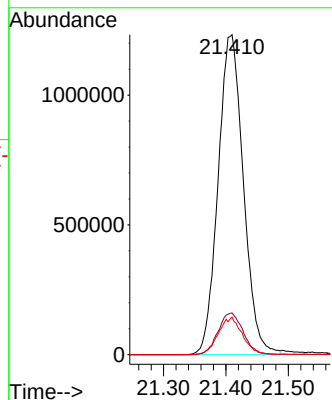
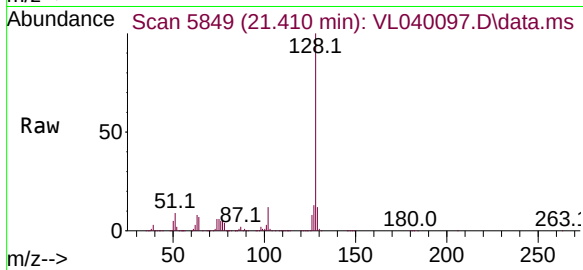
Tgt Ion:128 Resp: 3470958

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.7 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 17.736 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.003 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

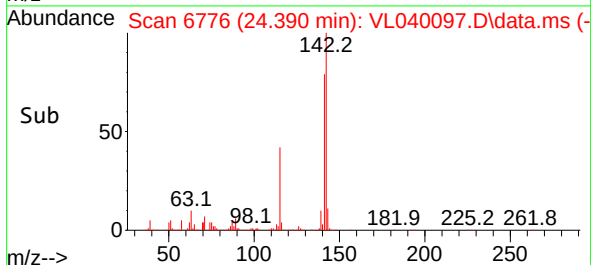
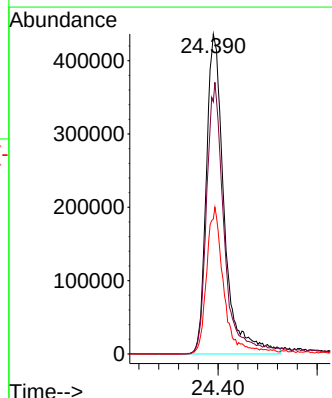
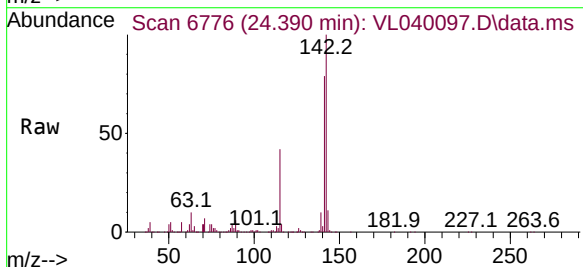
Tgt Ion:142 Resp: 1093239

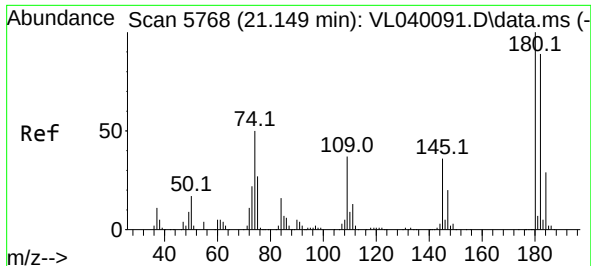
Ion Ratio Lower Upper

142 100

141 85.7 65.0 97.6

115 45.6 31.8 47.8





#81

1,2,4-Trichlorobenzene

Concen: 16.114 ppbv

RT: 21.162 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL040097.D

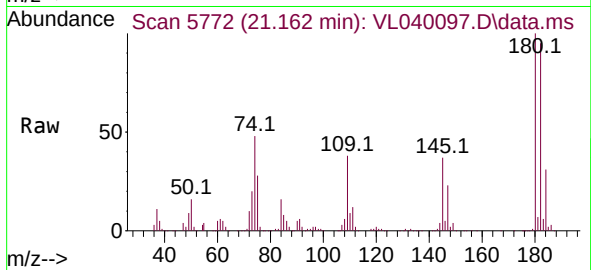
Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 1816871

Ion Ratio Lower Upper

180 100

182 96.0 78.6 117.8

184 30.9 25.1 37.7

