

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040428.D
 Acq On : 12 May 2023 22:15
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Quant Time: May 15 00:49:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1092131	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2825974	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2680384	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2098566	9.468	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	1599145	8.121	ppbv	99
3) Chlorodifluoromethane	2.655	51	1295843	9.080	ppbv	99
4) Chloromethane	2.793	50	829657	9.203	ppbv	99
5) Vinyl Chloride	2.903	62	708725	9.524	ppbv	98
6) Bromomethane	3.102	94	224042	9.138	ppbv	99
7) Chloroethane	3.179	64	257536	9.139	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1720256	8.939	ppbv	97
9) Propene	2.674	41	551433	9.781	ppbv	98
10) Heptane	7.574	43	1353702	10.565	ppbv	99
11) Trichlorofluoromethane	3.546	101	1711027	8.584	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1245918	8.936	ppbv	99
13) Ethanol	3.224	45	34563	7.343	ppbv	98
14) Bromoethene	3.349	108	544441	9.550	ppbv	98
15) Acetone	3.449	43	1260583	8.149	ppbv	99
16) 1,3-Butadiene	2.967	39	635991	9.935	ppbv	98
17) tert-Butyl alcohol	3.861	59	1380653	9.720	ppbv	99
18) 1,1-Dichloroethene	3.864	96	570059	9.066	ppbv	92
19) Isopropyl Alcohol	3.555	45	663493	9.400	ppbv	98
20) Methylene Chloride	3.915	84	495554	8.024	ppbv	96
21) Allyl Chloride	3.980	41	868869	9.886	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	575680	9.158	ppbv	95
23) Vinyl Acetate	4.613	43	356647	9.056	ppbv #	95
24) 1,1-Dichloroethane	4.549	63	1193755	9.108	ppbv	99
25) Ethyl Acetate	5.192	43	2523613	9.695	ppbv	100
26) Hexane	5.198	57	1075128	9.798	ppbv	98
27) Carbon Disulfide	4.108	76	1412430	9.946	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	1060114	9.359	ppbv	98
29) Chloroform	5.263	83	1829808	9.361	ppbv	96
30) Cyclohexane	6.594	84	929679	10.939	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	1109564	10.202	ppbv	99
32) 1,1,1-Trichloroethane	5.992	97	1815793	9.561	ppbv	100
34) 2-Butanone	4.774	43	1501120	9.851	ppbv	100
35) Carbon Tetrachloride	6.484	117	1853219	9.316	ppbv	97
36) Benzene	6.362	78	2295928	9.958	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1404939	9.277	ppbv	99
38) Trichloroethene	7.285	130	1375597	10.483	ppbv	96
39) 1,2-Dichloropropane	7.066	63	877870	9.677	ppbv	97
40) 1,4-Dioxane	7.282	88	337941	9.726	ppbv #	98
41) Tetrahydrofuran	5.542	42	856490	10.263	ppbv	100
42) Bromodichloromethane	7.243	83	1983927	9.592	ppbv	98
43) Methyl Methacrylate	7.468	69	909194	10.617	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3741695	9.716	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	869134	11.362	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040428.D
 Acq On : 12 May 2023 22:15
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

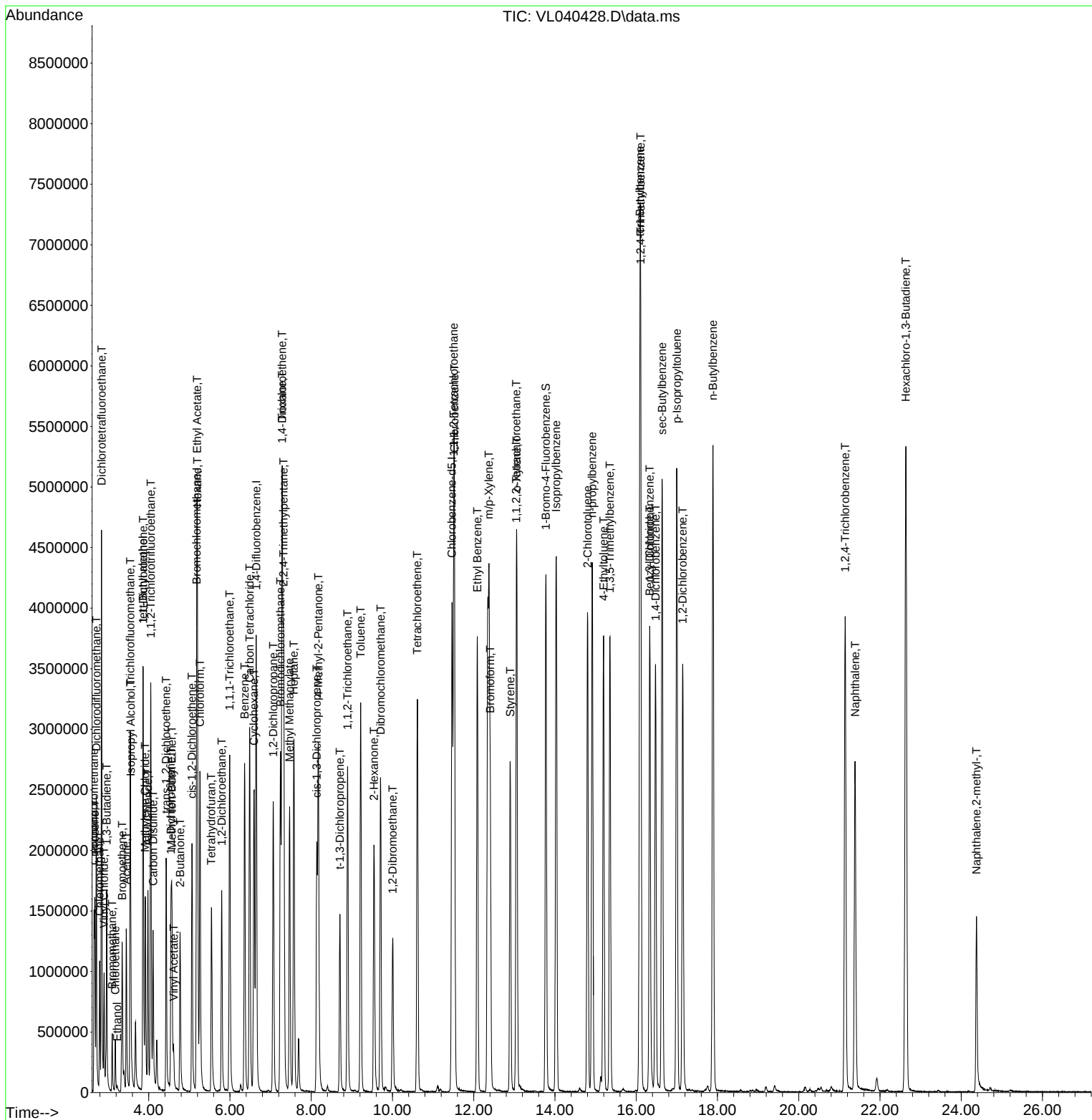
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 ClientSampleId :
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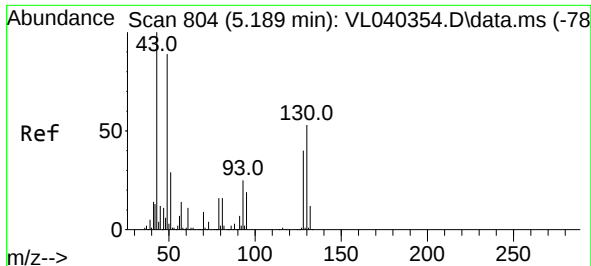
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1189748	11.174	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	953361	9.584	ppbv	99
48) Dibromochloromethane	9.709	129	1598273	9.977	ppbv	100
49) Bromoform	12.407	173	1232605	9.865	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2347228	10.159	ppbv	99
51) 2-Hexanone	9.545	43	1840673	10.781	ppbv	99
52) Tetrachloroethene	10.613	164	780103	10.817	ppbv	97
53) Toluene	9.217	91	2625033	10.739	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1034821	10.261	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1146349	9.370	ppbv	96
57) Chlorobenzene	11.526	112	1994175	9.502	ppbv	96
58) Ethyl Benzene	12.089	91	3513040	10.655	ppbv	99
59) m/p-Xylene	12.375	91	2933667	9.675	ppbv #	26
60) o-Xylene	13.060	91	2877332	9.887	ppbv	100
61) Styrene	12.899	104	1665770	11.427	ppbv	98
62) Isopropylbenzene	14.031	105	4056316	9.679	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	893044	8.386	ppbv	99
64) n-propylbenzene	14.918	120	1038304	10.069	ppbv	96
65) tert-Butylbenzene	16.092	119	3563903	9.666	ppbv	99
66) Benzyl Chloride	16.330	91	241862	10.594	ppbv	100
67) sec-Butylbenzene	16.638	105	5117617	9.663	ppbv	99
69) p-Isopropyltoluene	16.998	119	4179405	10.106	ppbv	99
70) n-Butylbenzene	17.889	91	4668386	10.183	ppbv	99
71) 2-Chlorotoluene	14.802	91	3119146	9.694	ppbv	99
72) 4-Ethyltoluene	15.198	105	3325412	10.351	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2969849	10.008	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3259853	9.611	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	1815506	9.772	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1766673	9.625	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1793913	9.765	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1519278	10.316	ppbv	99
79) Naphthalene	21.387	128	3333344	14.559	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	990610	14.535	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1696028	12.054	ppbv	99

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

Quant Time: May 15 00:49:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
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QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

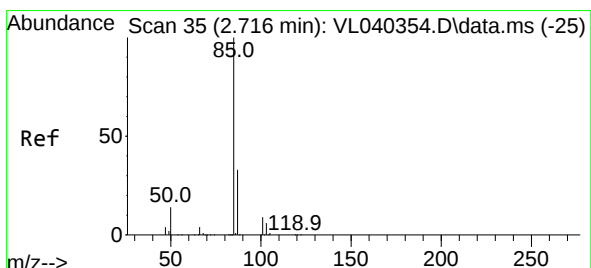
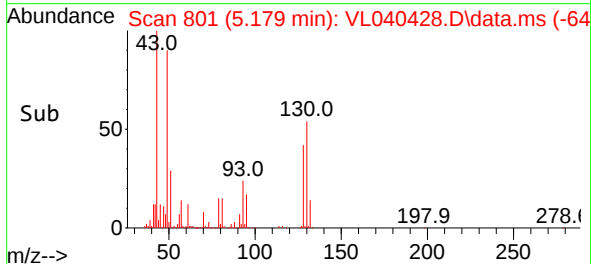
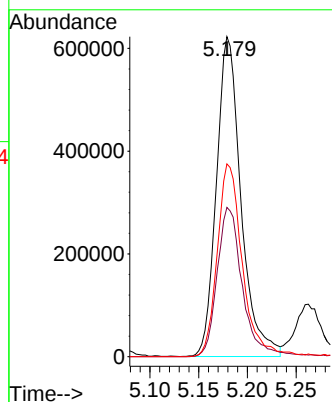
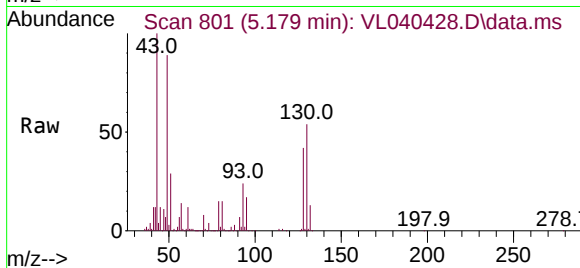




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

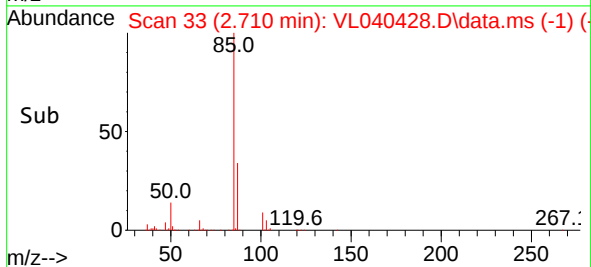
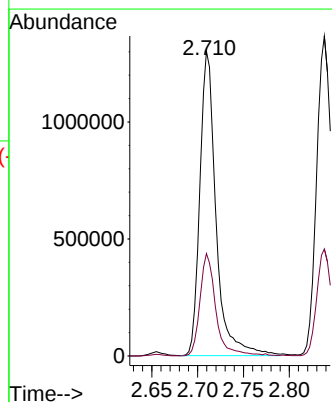
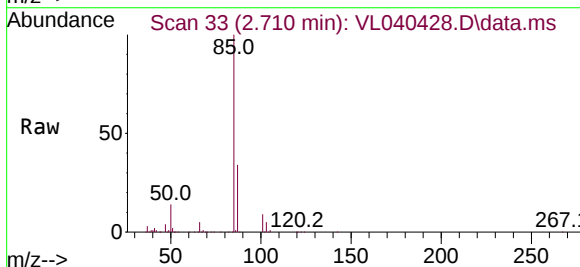
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

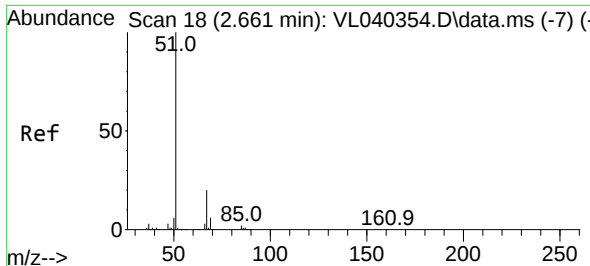
Tgt Ion: 49 Resp: 1092131
Ion Ratio Lower Upper
49 100
128 48.5 23.7 71.1
130 62.2 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 8.121 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 85 Resp: 1599145
Ion Ratio Lower Upper
85 100
87 33.6 26.6 40.0

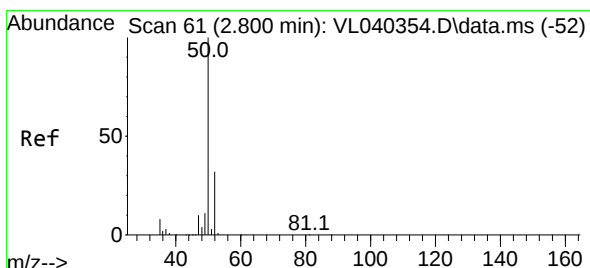
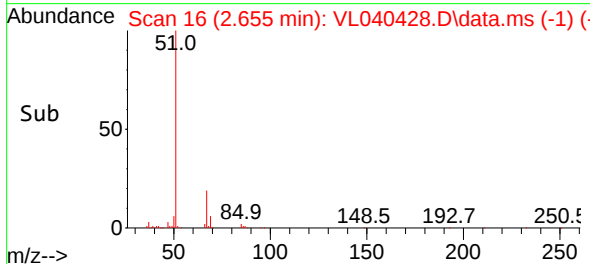
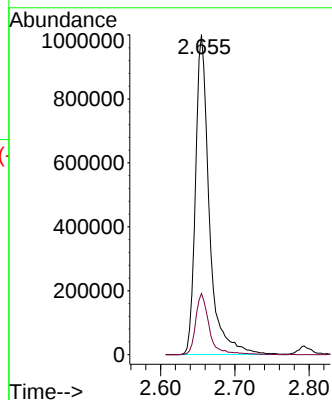
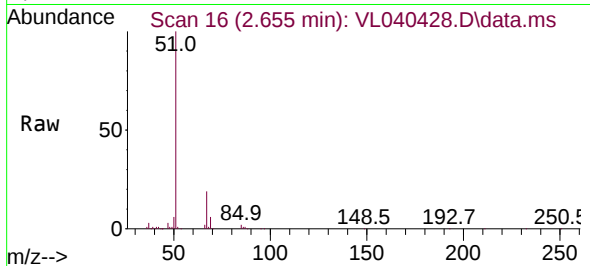




#3
Chlorodifluoromethane
Concen: 9.080 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

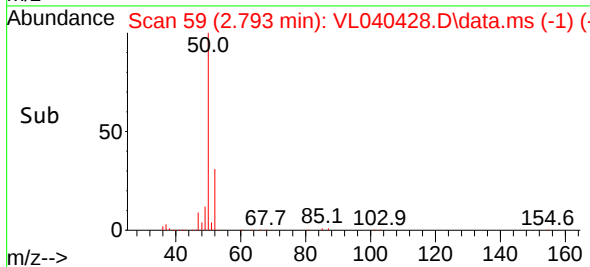
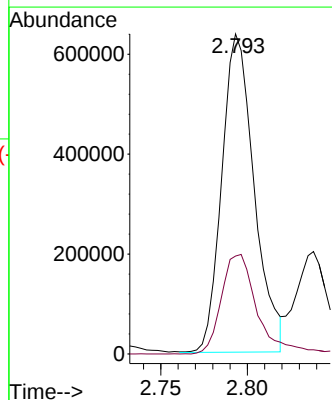
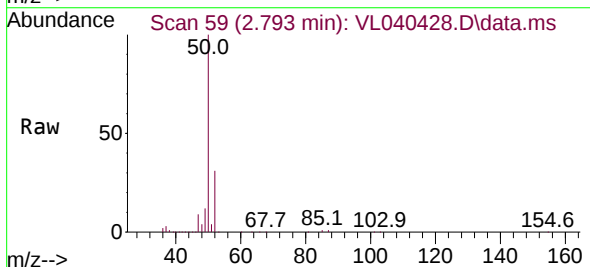
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ClientSampleId :
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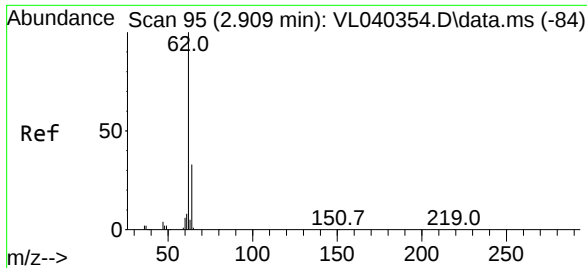
Tgt Ion: 51 Resp: 1295843
Ion Ratio Lower Upper
51 100
67 18.9 15.5 23.3



#4
Chloromethane
Concen: 9.203 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.007 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 50 Resp: 829657
Ion Ratio Lower Upper
50 100
52 30.8 25.3 37.9

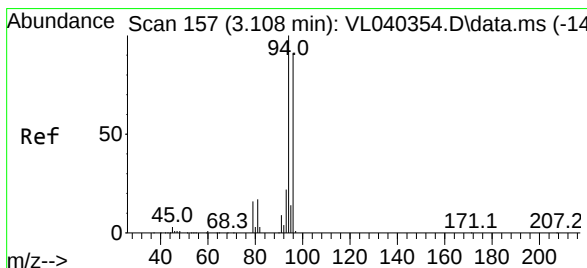
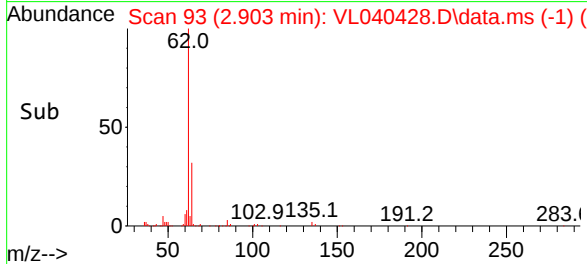
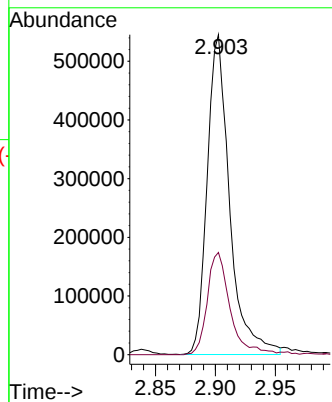
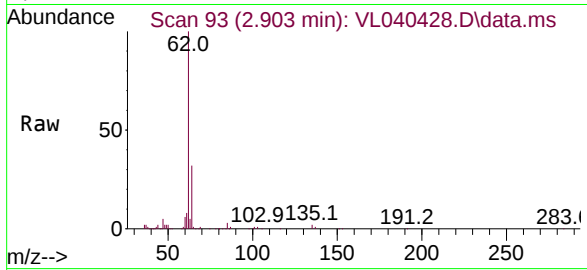




#5
 Vinyl Chloride
 Concen: 9.524 ppbv
 RT: 2.903 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

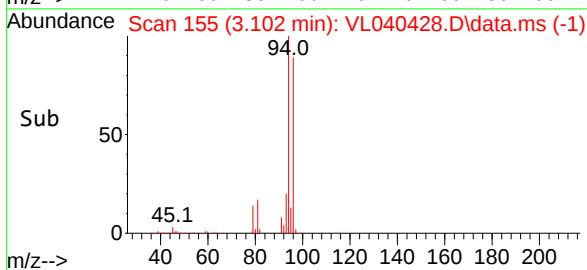
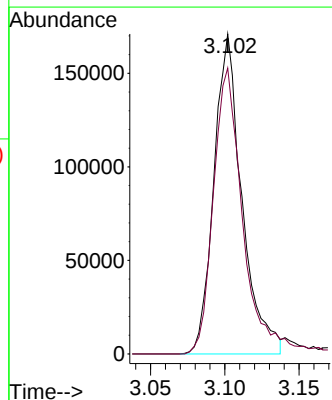
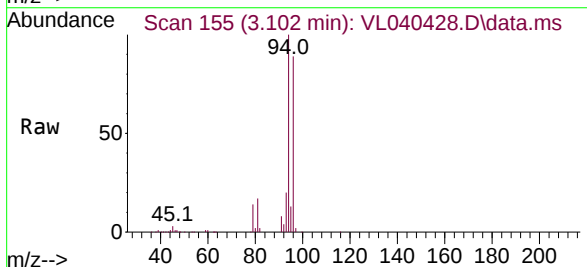
Instrument :
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 ClientSampleId :
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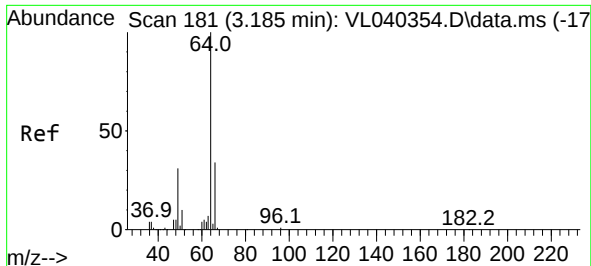
Tgt Ion: 62 Resp: 708725
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.3 39.5



#6
 Bromomethane
 Concen: 9.138 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. -0.006 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion: 94 Resp: 224042
 Ion Ratio Lower Upper
 94 100
 96 89.4 72.6 108.8

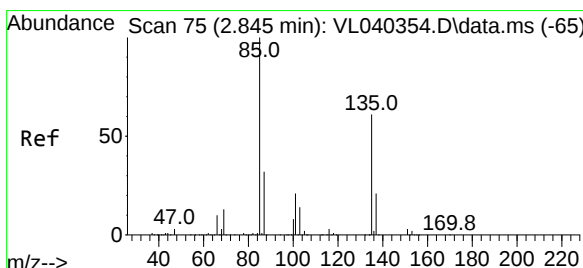
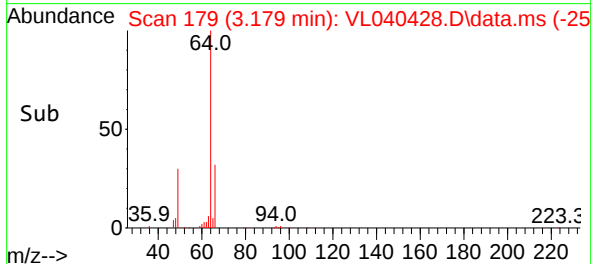
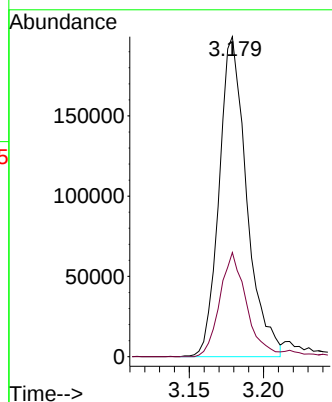
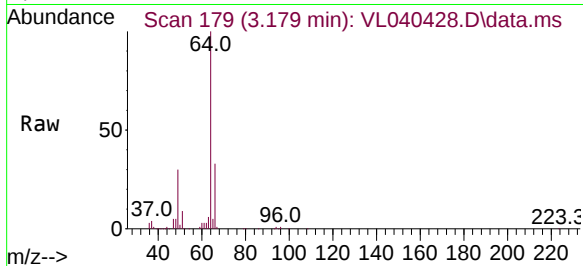




#7
Chloroethane
Concen: 9.139 ppbv
RT: 3.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

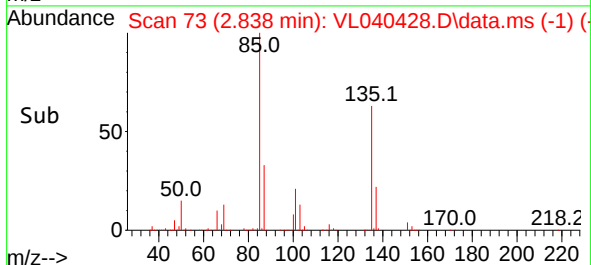
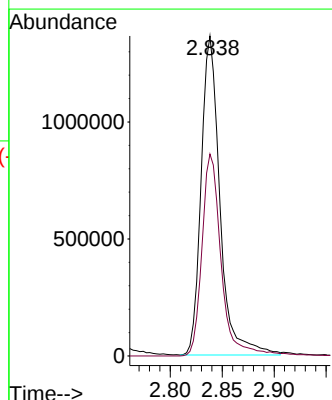
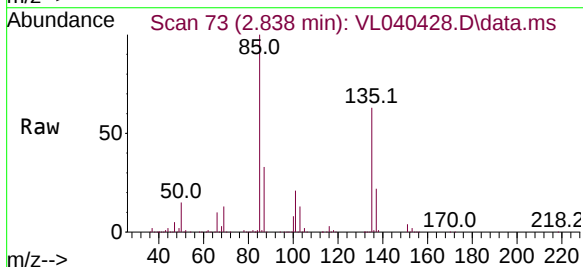
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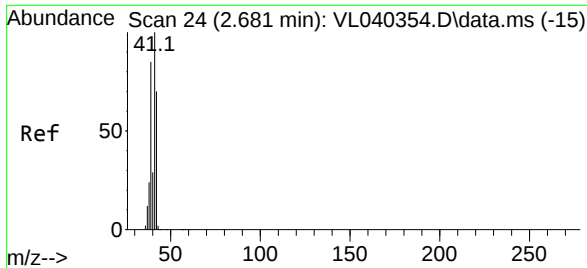
Tgt Ion: 64 Resp: 257536
Ion Ratio Lower Upper
64 100
66 32.6 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 8.939 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.007 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 85 Resp: 1720256
Ion Ratio Lower Upper
85 100
135 65.4 50.7 76.1

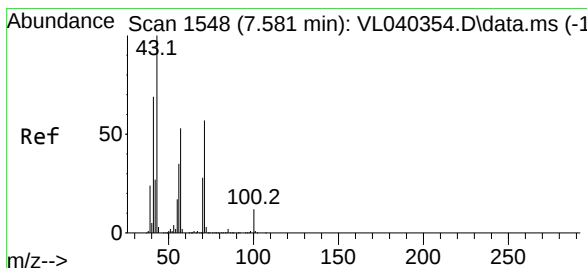
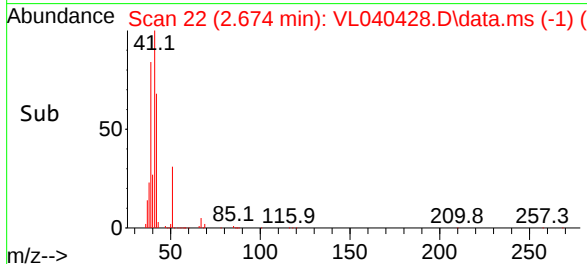
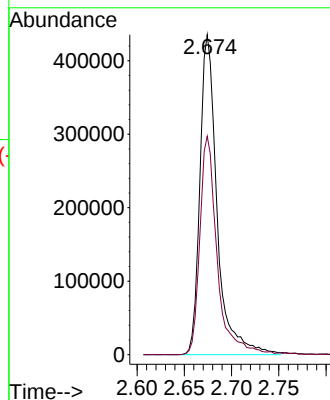
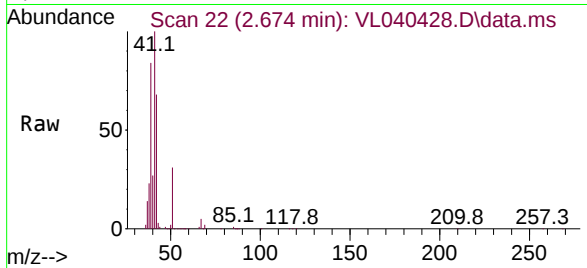




#9
 Propene
 Concen: 9.781 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

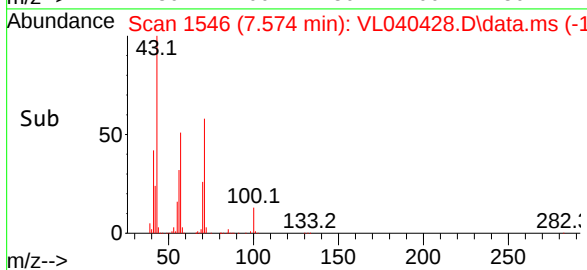
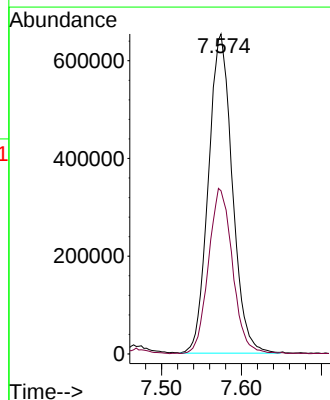
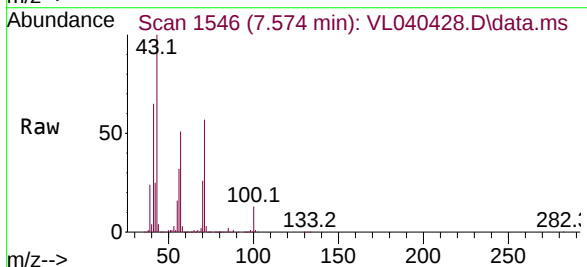
Instrument :
 MSVOA_L
 ClientSampleId :
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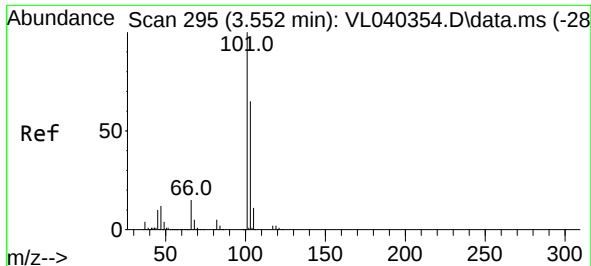
Tgt Ion: 41 Resp: 551433
 Ion Ratio Lower Upper
 41 100
 42 69.3 56.5 84.7



#10
 Heptane
 Concen: 10.565 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.007 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion: 43 Resp: 1353702
 Ion Ratio Lower Upper
 43 100
 57 52.3 42.2 63.4

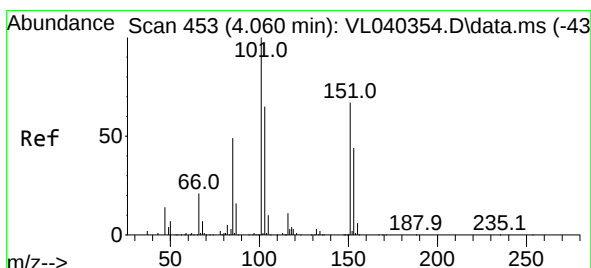
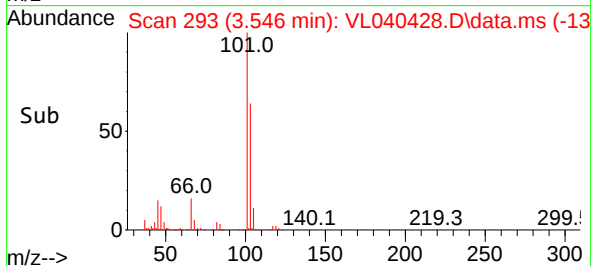
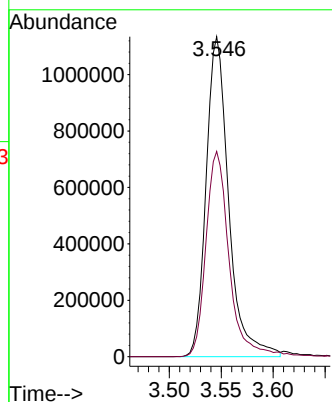
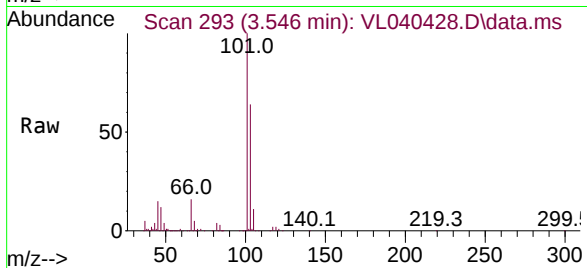




#11
 Trichlorofluoromethane
 Concen: 8.584 ppbv
 RT: 3.546 min Scan# 295
 Delta R.T. -0.006 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

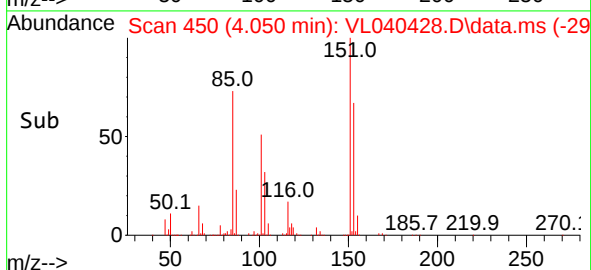
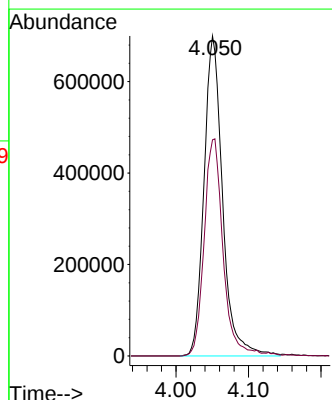
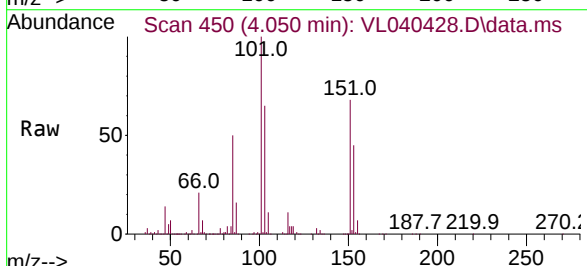
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

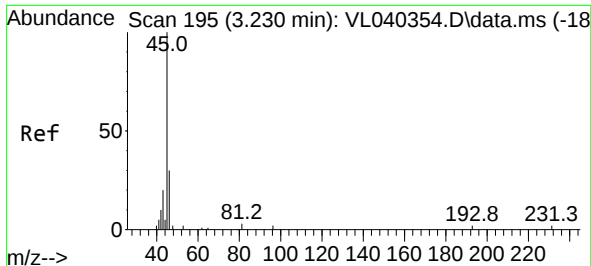
Tgt Ion:101 Resp: 1711027
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.936 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. -0.010 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion:101 Resp: 1245918
 Ion Ratio Lower Upper
 101 100
 151 69.4 54.7 82.1

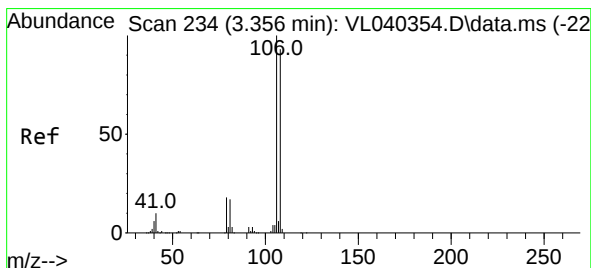
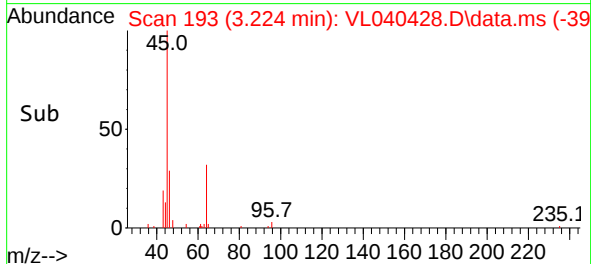
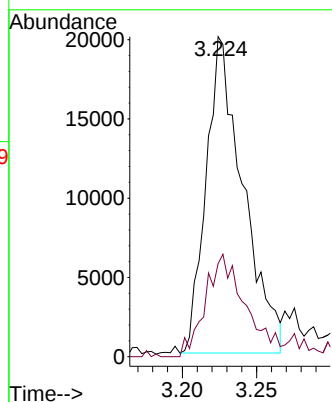
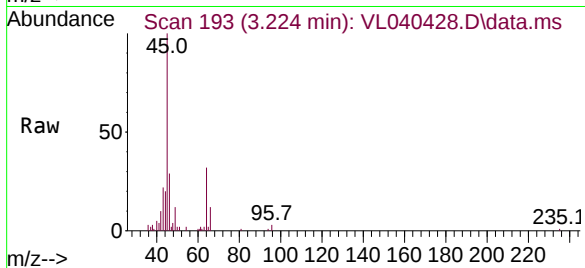




#13
Ethanol
Concen: 7.343 ppbv
RT: 3.224 min Scan# 195
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

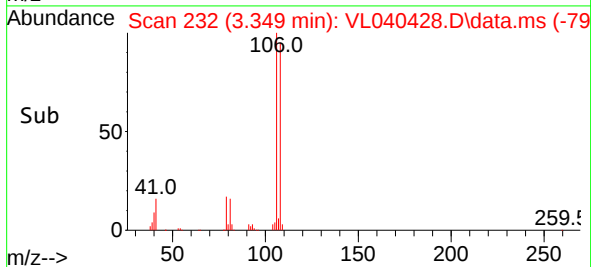
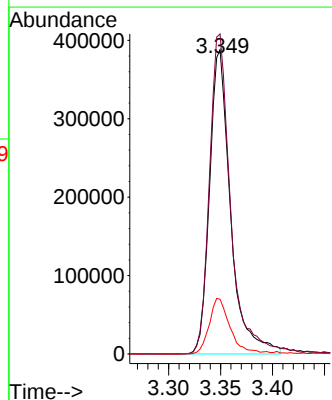
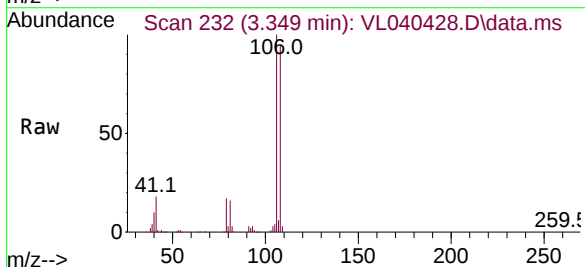
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

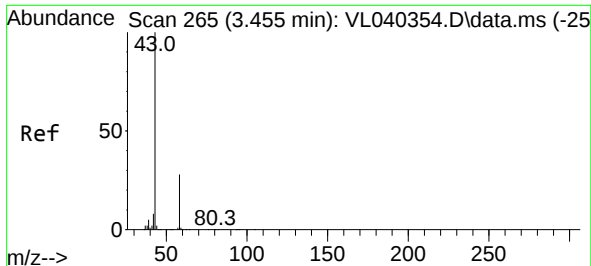
Tgt Ion: 45 Resp: 34563
Ion Ratio Lower Upper
45 100
46 39.6 15.3 61.3



#14
Bromoethene
Concen: 9.550 ppbv
RT: 3.349 min Scan# 232
Delta R.T. -0.007 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 108 Resp: 544441
Ion Ratio Lower Upper
108 100
106 107.7 88.3 132.5
79 19.2 16.1 24.1

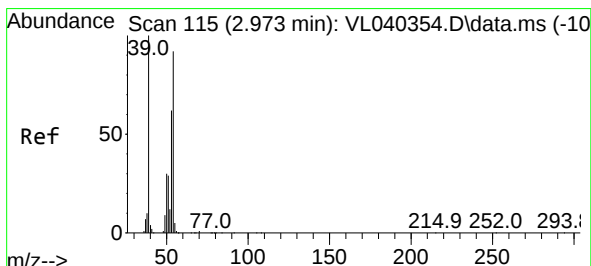
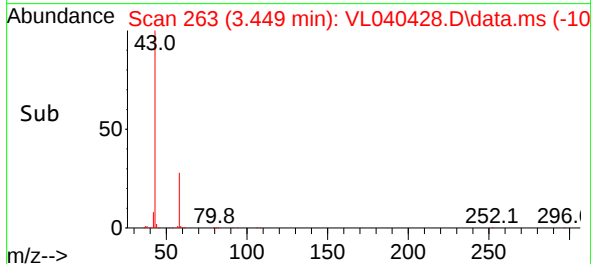
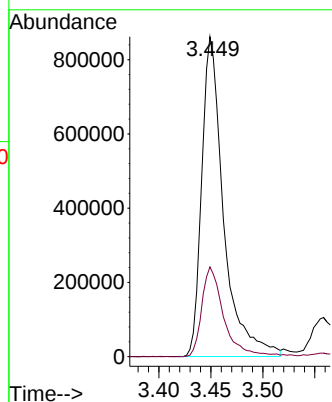
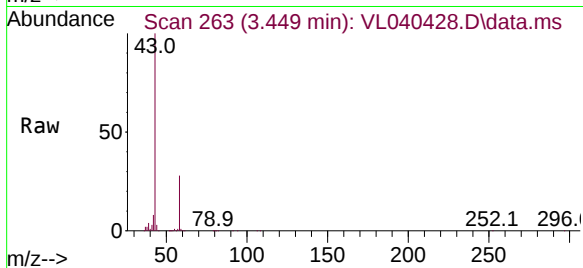




#15
Acetone
Concen: 8.149 ppbv
RT: 3.449 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

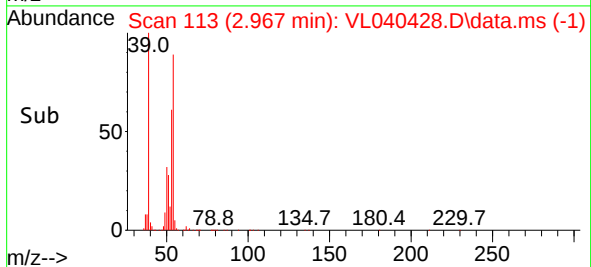
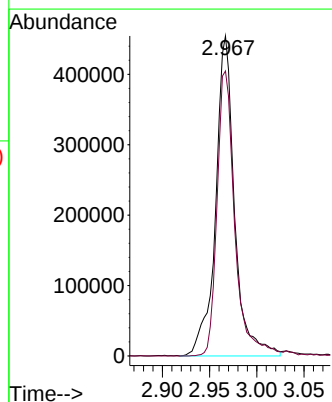
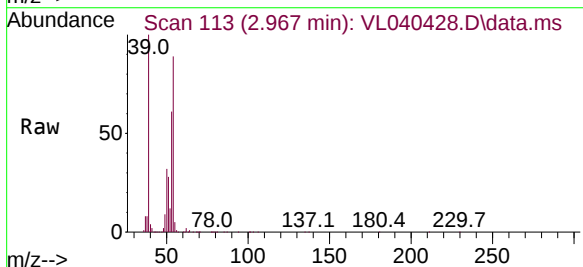
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

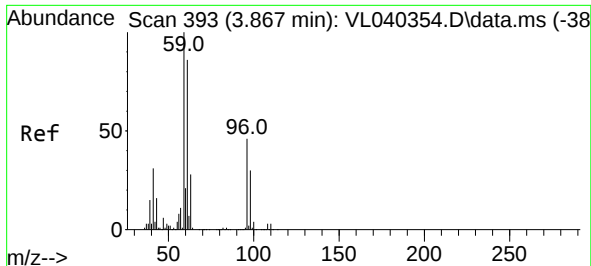
Tgt Ion: 43 Resp: 1260583
Ion Ratio Lower Upper
43 100
58 28.5 22.2 33.2



#16
1,3-Butadiene
Concen: 9.935 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 39 Resp: 635991
Ion Ratio Lower Upper
39 100
54 84.5 68.8 103.2





#17

tert-Butyl alcohol

Concen: 9.720 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.006 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

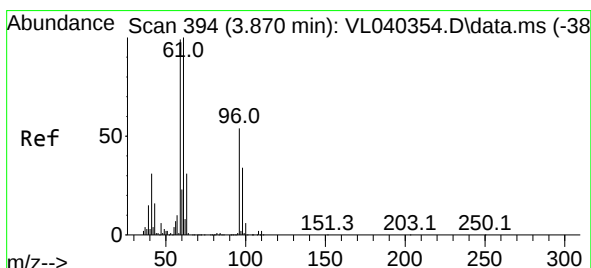
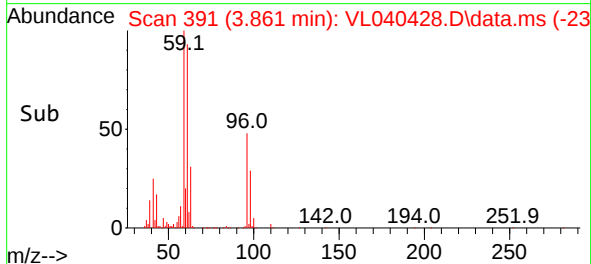
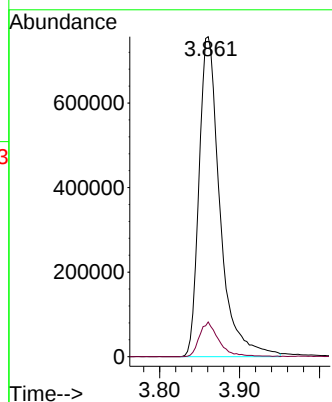
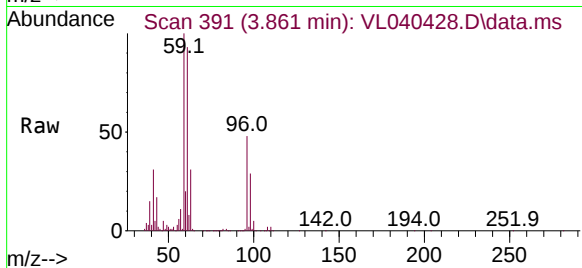
VSTDCCC010EC

Tgt Ion: 59 Resp: 1380653

Ion Ratio Lower Upper

59 100

57 10.2 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.066 ppbv

RT: 3.864 min Scan# 392

Delta R.T. -0.006 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

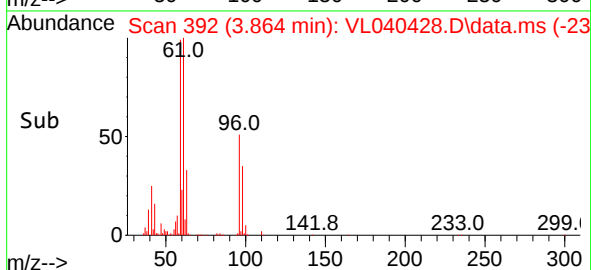
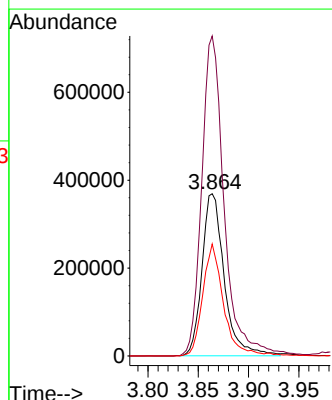
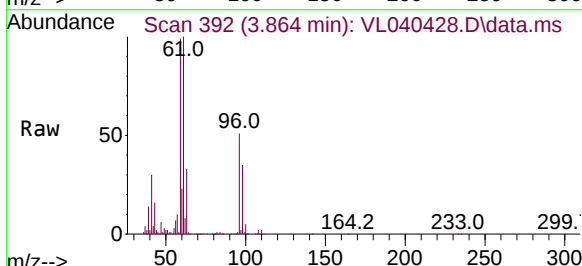
Tgt Ion: 96 Resp: 570059

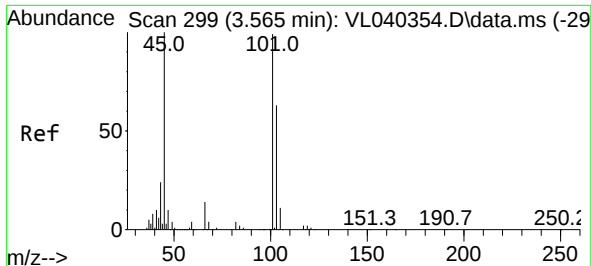
Ion Ratio Lower Upper

96 100

61 197.2 148.3 222.5

98 69.1 49.8 74.8

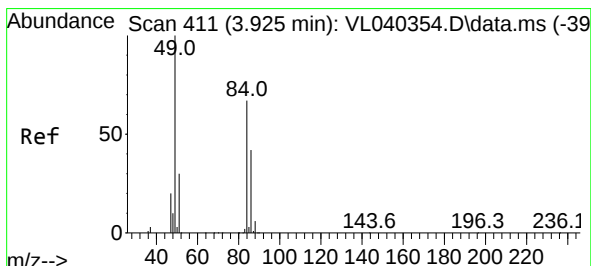
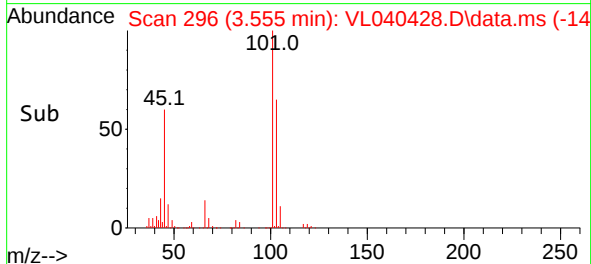
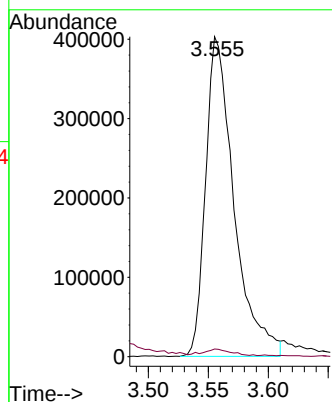
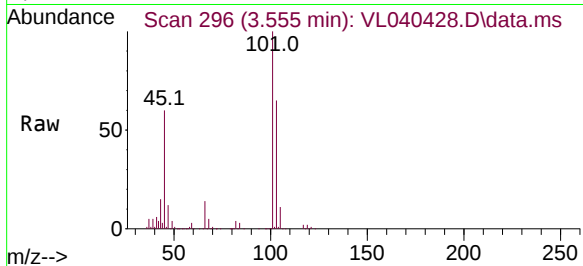




#19
Isopropyl Alcohol
Concen: 9.400 ppbv
RT: 3.555 min Scan# 299
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

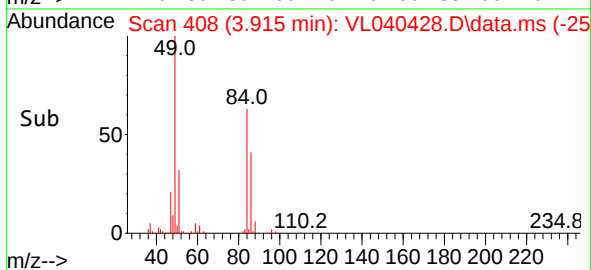
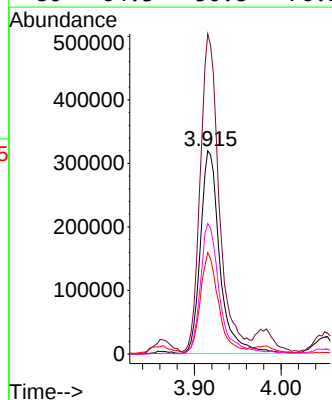
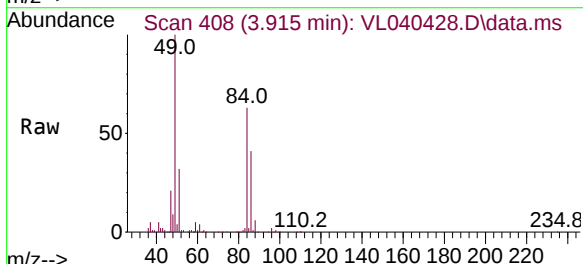
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

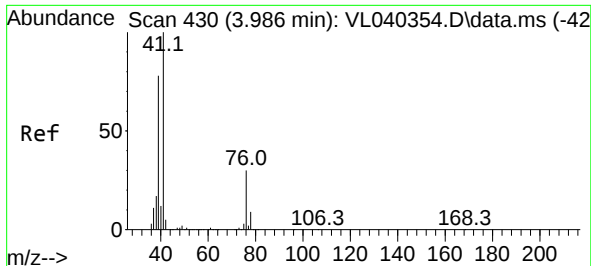
Tgt Ion: 45 Resp: 663493
Ion Ratio Lower Upper
45 100
58 2.8 2.6 4.0



#20
Methylene Chloride
Concen: 8.024 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 84 Resp: 495554
Ion Ratio Lower Upper
84 100
49 156.6 120.1 180.1
51 48.8 36.3 54.5
86 64.3 50.8 76.2

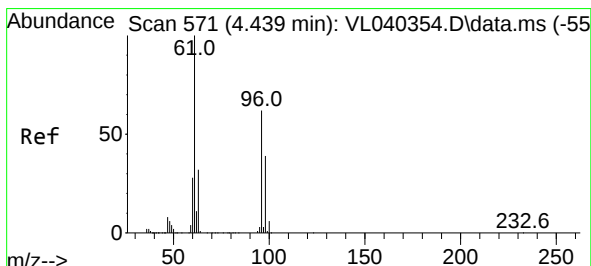
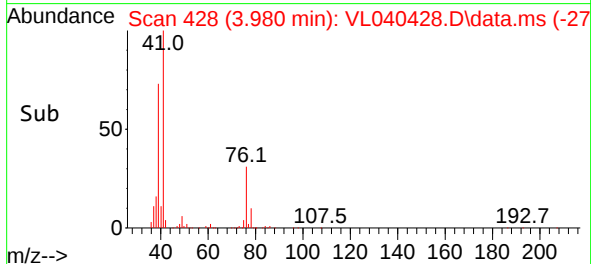
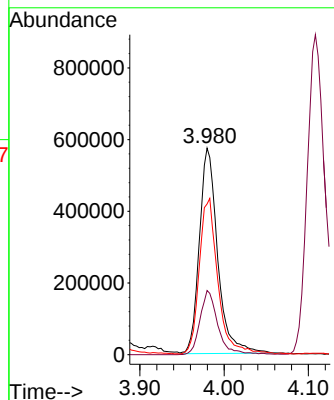
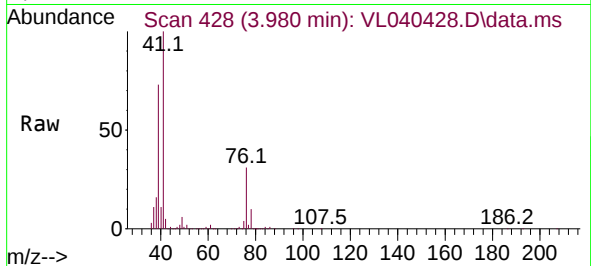




#21
 Allyl Chloride
 Concen: 9.886 ppbv
 RT: 3.980 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

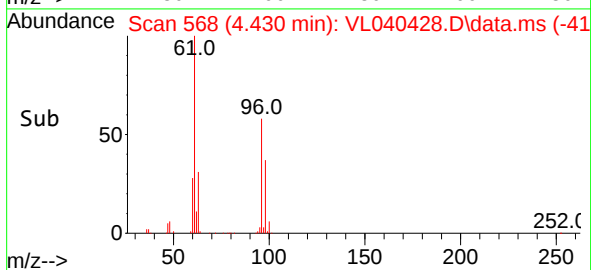
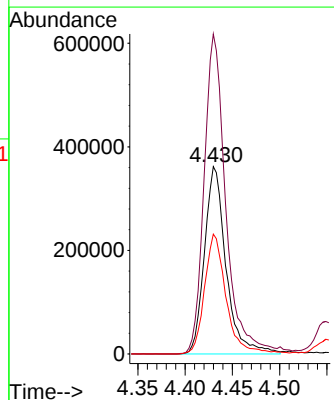
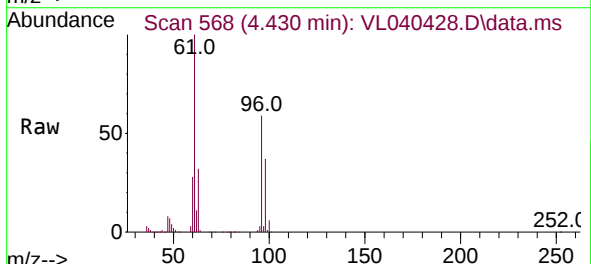
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

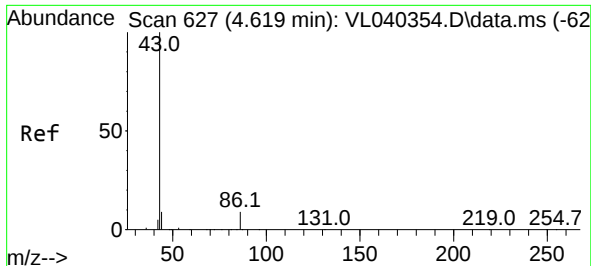
Tgt Ion: 41 Resp: 868869
 Ion Ratio Lower Upper
 41 100
 76 30.6 25.5 38.3
 39 77.2 64.0 96.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.158 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. -0.009 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion: 96 Resp: 575680
 Ion Ratio Lower Upper
 96 100
 61 170.5 129.4 194.2
 98 64.0 51.0 76.4

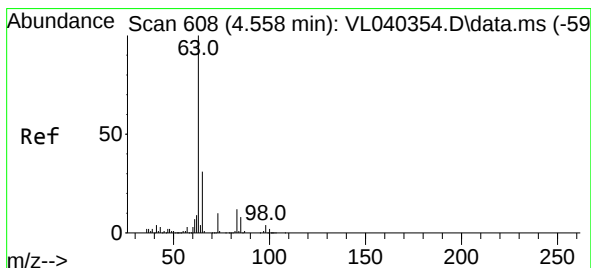
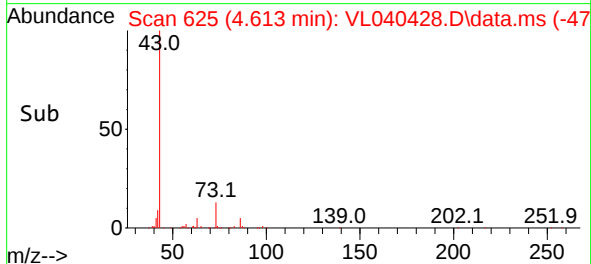
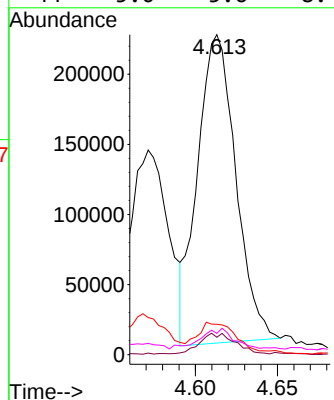
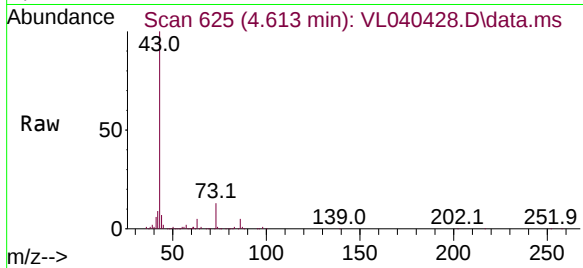




#23
 Vinyl Acetate
 Concen: 9.056 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

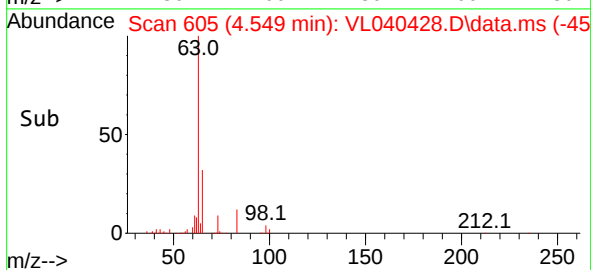
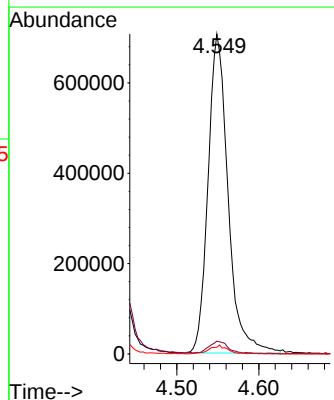
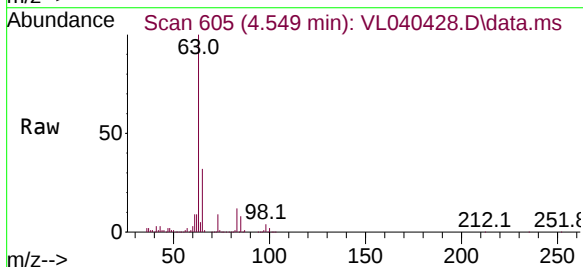
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

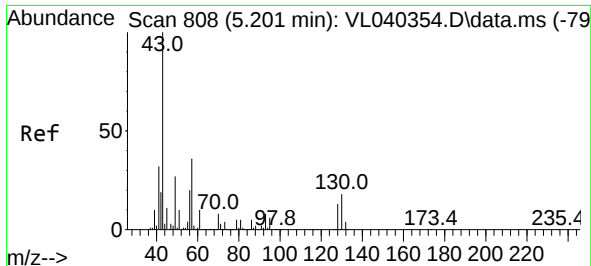
Tgt Ion:	43	Resp:	356647
Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.0	9.0#
42	8.9	6.4	9.6
44	5.0	5.6	8.4#



#24
 1,1-Dichloroethane
 Concen: 9.108 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. -0.009 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion:	63	Resp:	1193755
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.1	1.2	3.6



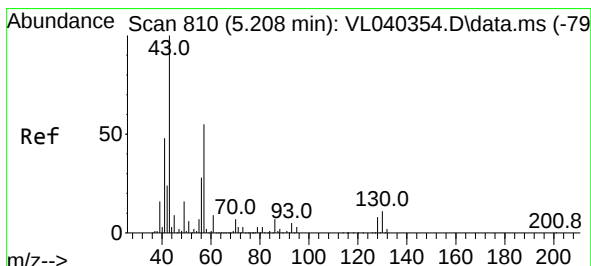
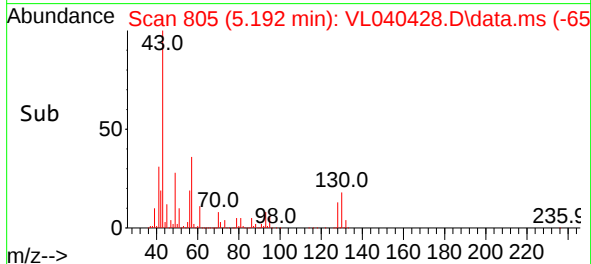
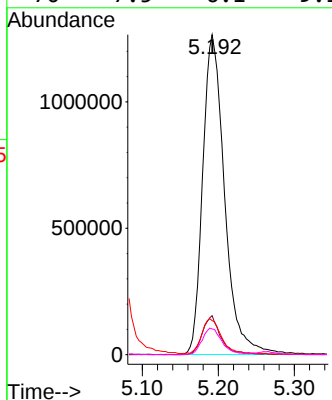
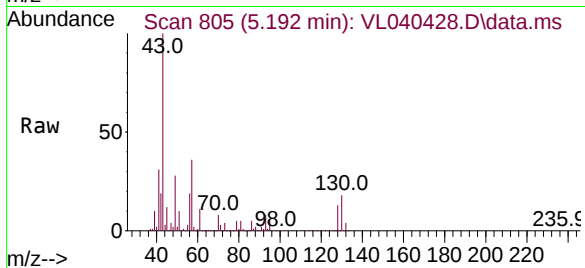


#25
Ethyl Acetate
Concen: 9.695 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2523613

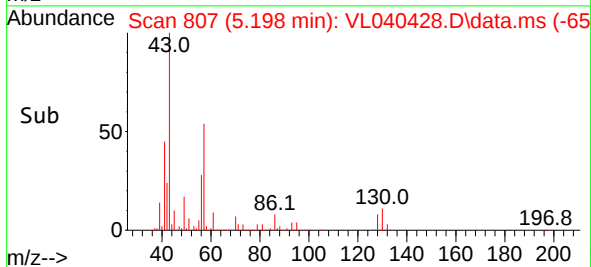
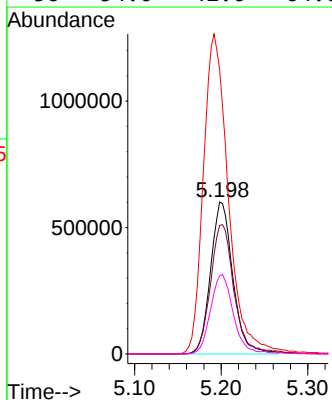
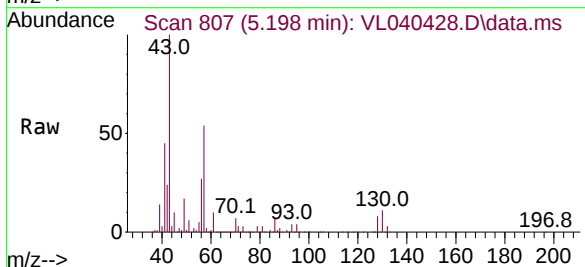
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.8	8.5	12.7
70	7.5	6.1	9.1

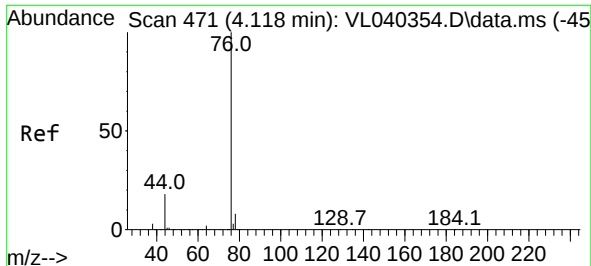


#26
Hexane
Concen: 9.798 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 57 Resp: 1075128

Ion	Ratio	Lower	Upper
57	100		
41	91.3	74.8	112.2
43	236.9	192.7	289.1
56	54.0	42.6	64.0

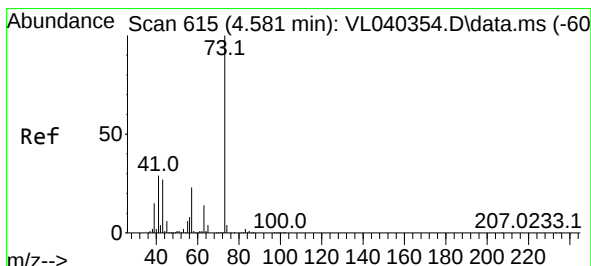
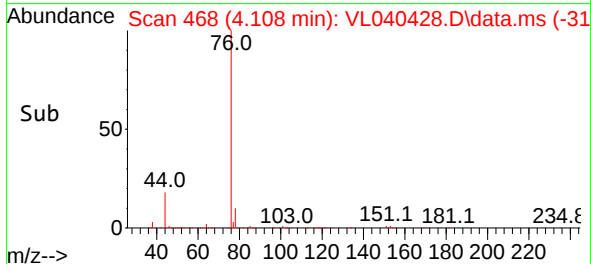
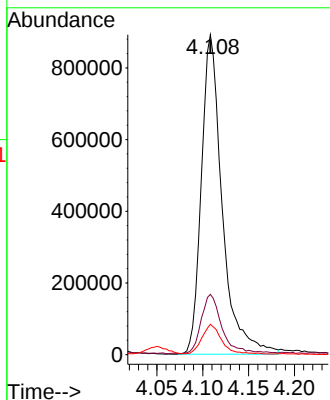
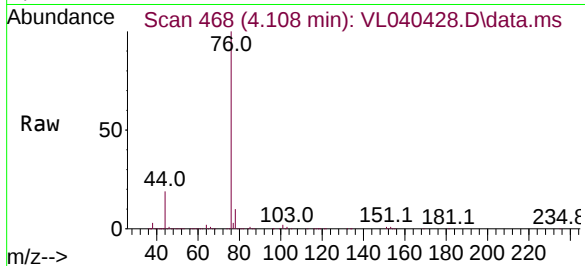




#27
Carbon Disulfide
Concen: 9.946 ppbv
RT: 4.108 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

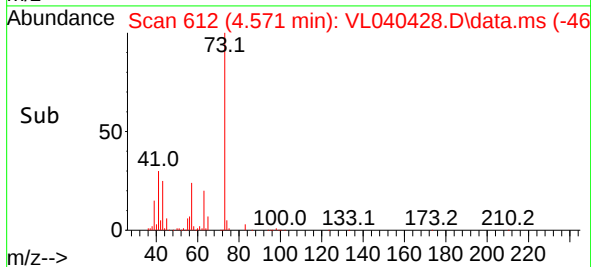
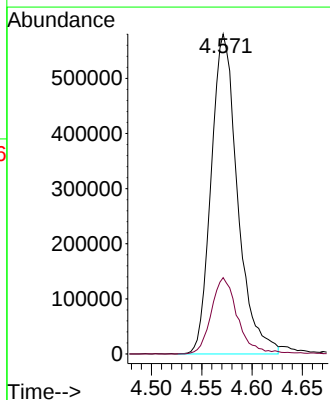
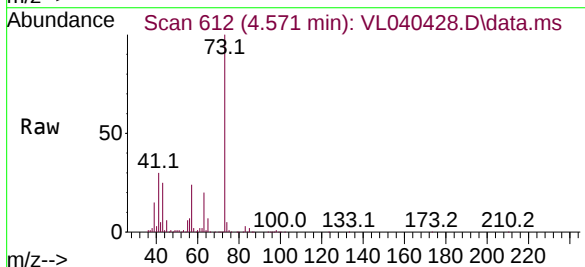
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

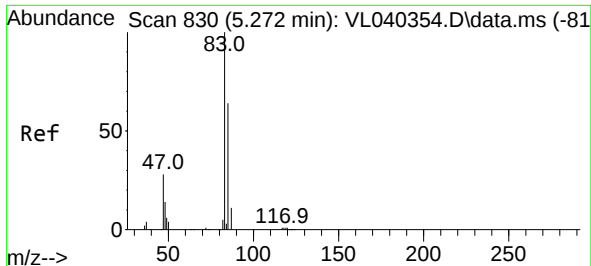
Tgt Ion: 76 Resp: 1412430
Ion Ratio Lower Upper
76 100
44 18.9 14.7 22.1
78 9.2 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 9.359 ppbv
RT: 4.571 min Scan# 612
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 73 Resp: 1060114
Ion Ratio Lower Upper
73 100
57 24.3 18.6 27.8





#29

Chloroform

Concen: 9.361 ppbv

RT: 5.263 min Scan# 81

Delta R.T. -0.009 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

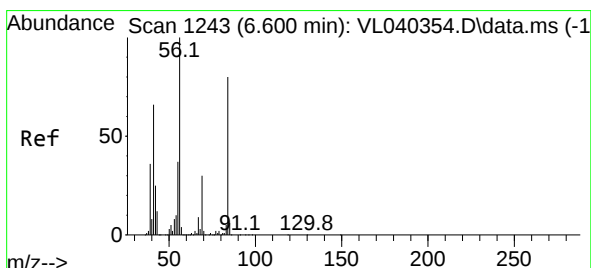
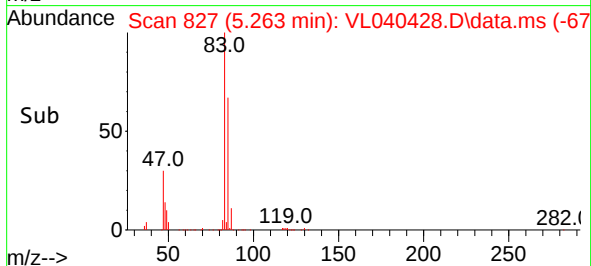
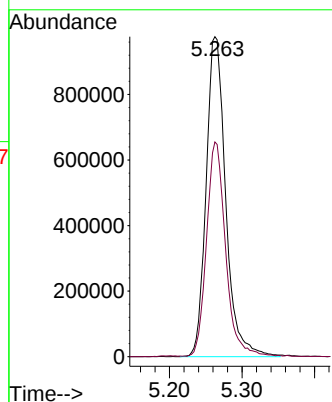
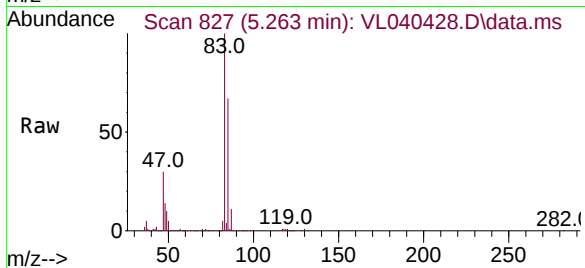
VSTDCCC010EC

Tgt Ion: 83 Resp: 1829808

Ion Ratio Lower Upper

83 100

85 66.9 51.0 76.4



#30

Cyclohexane

Concen: 10.939 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

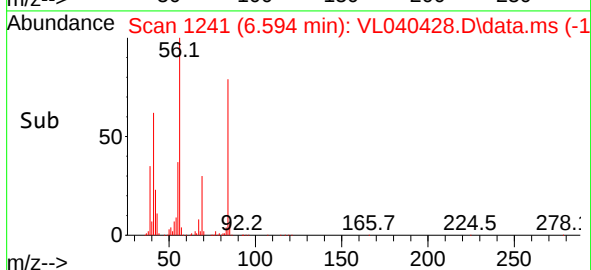
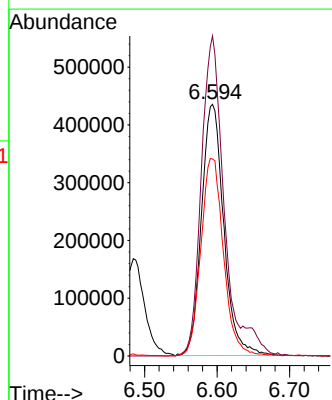
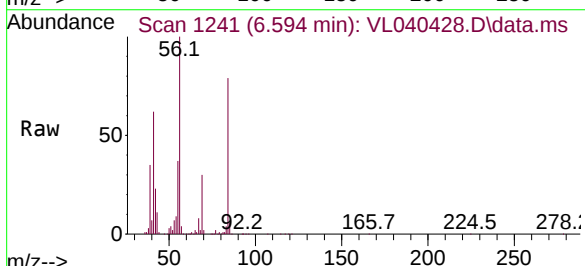
Tgt Ion: 84 Resp: 929679

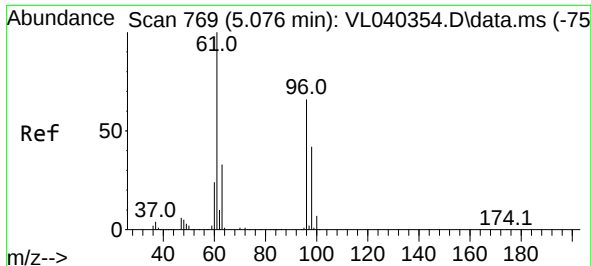
Ion Ratio Lower Upper

84 100

56 132.1 107.0 160.6

41 80.2 66.7 100.1



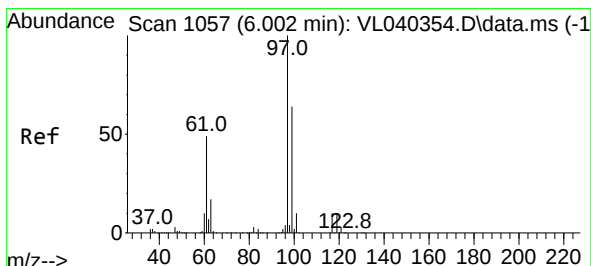
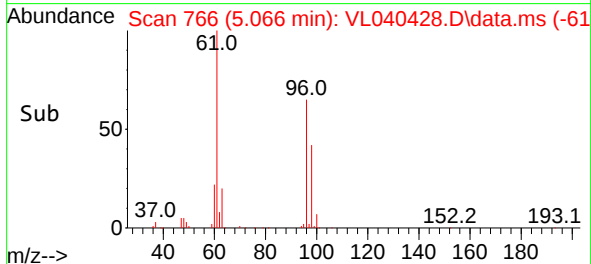
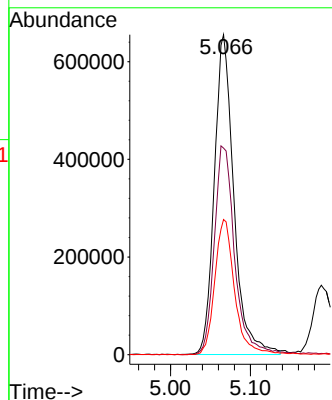
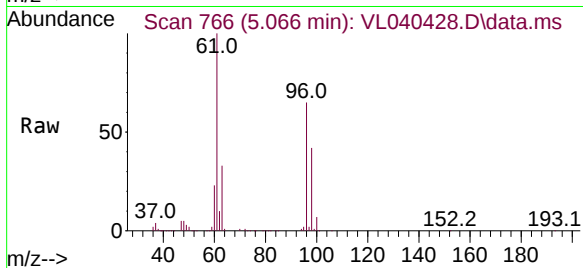


#31
 cis-1,2-Dichloroethene
 Concen: 10.202 ppbv
 RT: 5.066 min Scan# 766
 Delta R.T. -0.010 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 61 Resp: 1109564

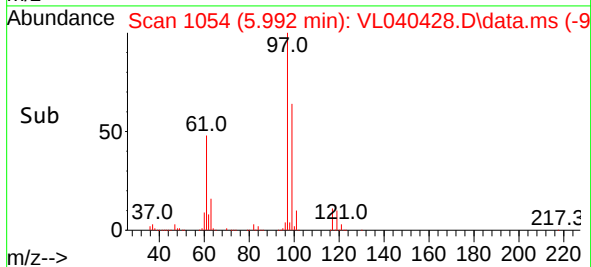
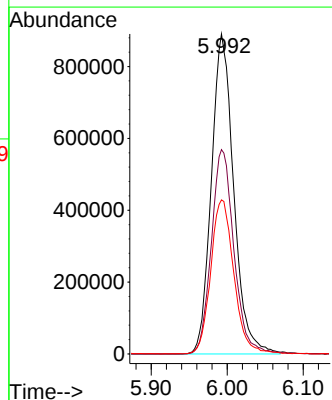
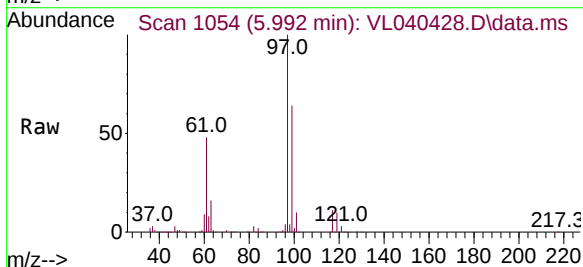
Ion	Ratio	Lower	Upper
61	100		
96	64.5	53.0	79.4
98	42.3	33.8	50.8

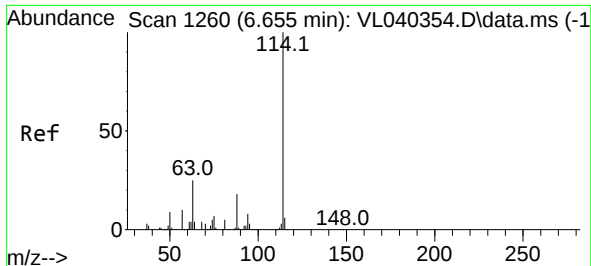


#32
 1,1,1-Trichloroethane
 Concen: 9.561 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.010 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion: 97 Resp: 1815793

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	50.1	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

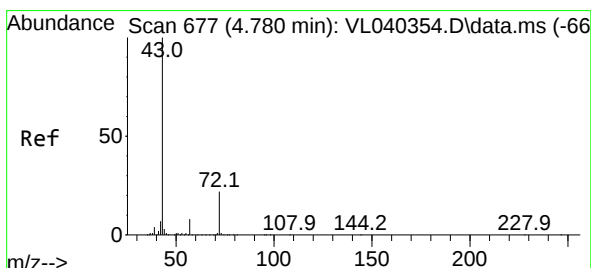
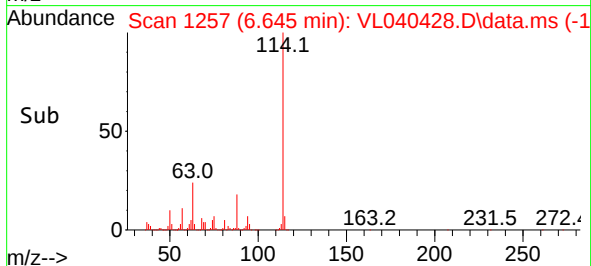
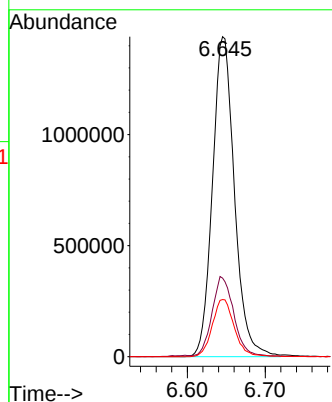
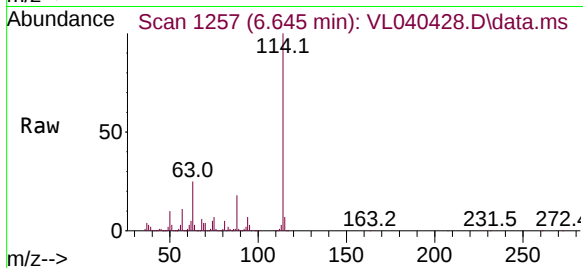
Tgt Ion:114 Resp: 2825974

Ion Ratio Lower Upper

114 100

63 25.5 21.4 32.0

88 18.0 14.6 22.0



#34

2-Butanone

Concen: 9.851 ppbv

RT: 4.774 min Scan# 675

Delta R.T. -0.006 min

Lab File: VL040428.D

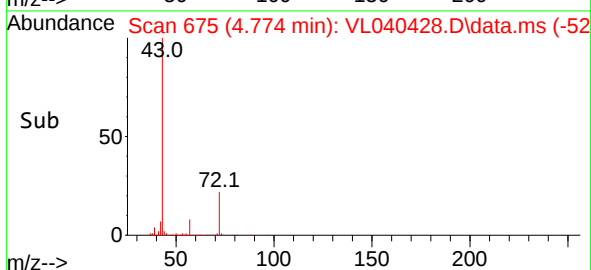
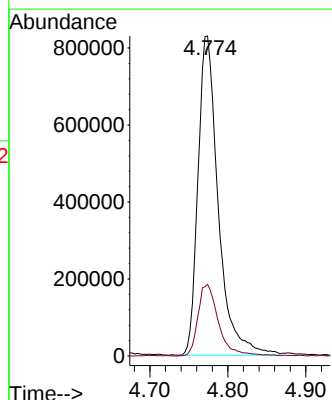
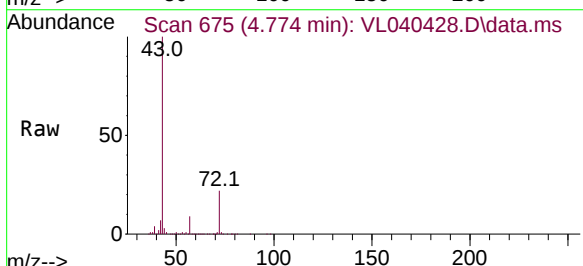
Acq: 12 May 2023 22:15

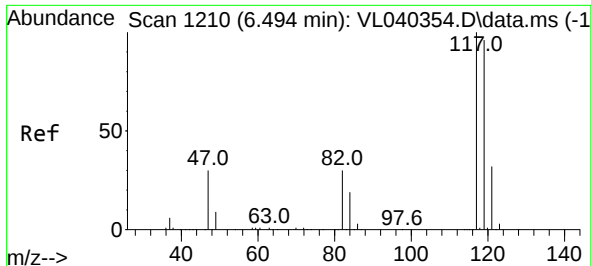
Tgt Ion: 43 Resp: 1501120

Ion Ratio Lower Upper

43 100

72 22.9 18.4 27.6

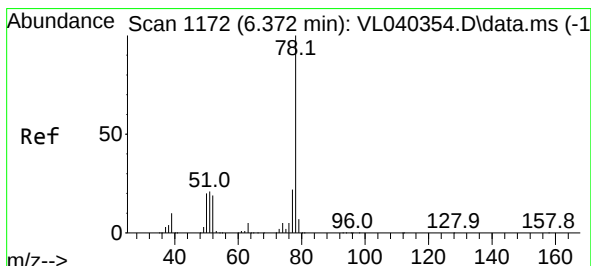
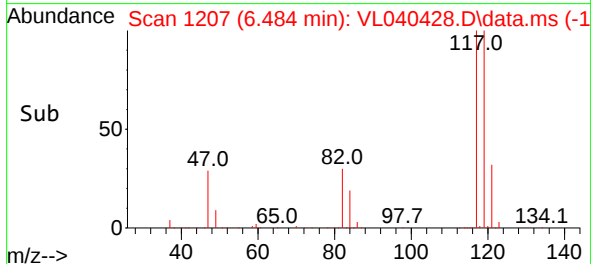
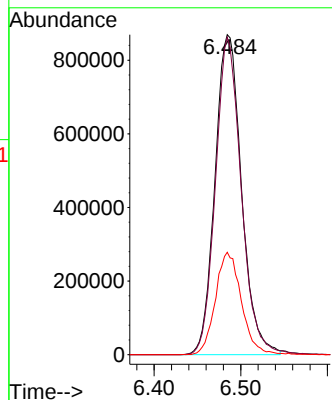
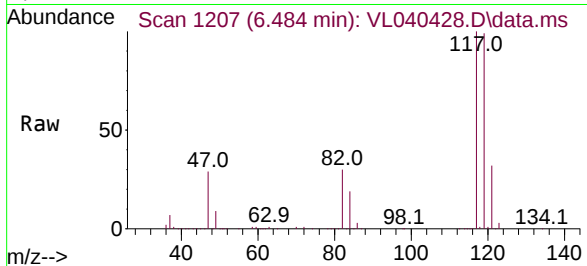




#35
Carbon Tetrachloride
Concen: 9.316 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

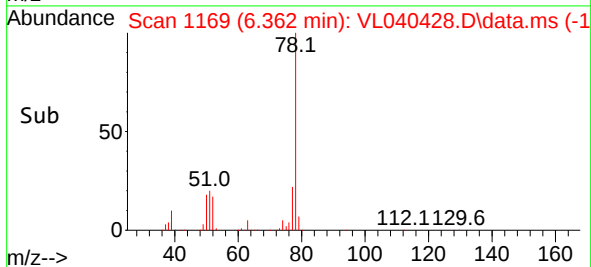
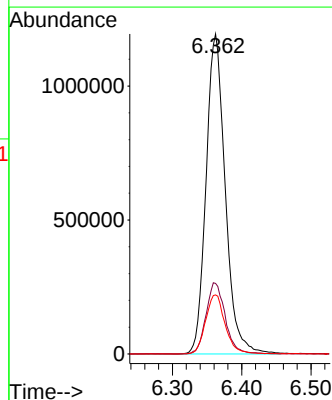
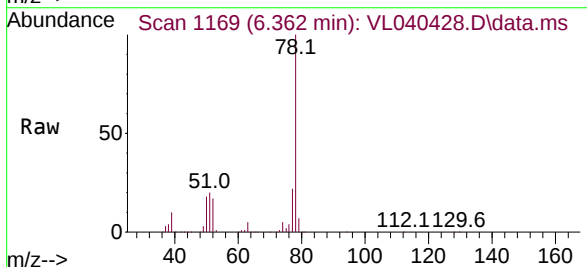
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

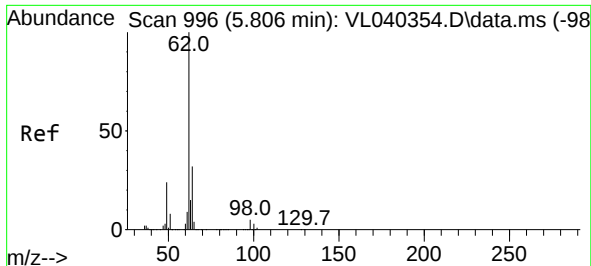
Tgt Ion:117 Resp: 1853219
Ion Ratio Lower Upper
117 100
119 99.2 76.6 114.8
121 32.0 25.3 37.9



#36
Benzene
Concen: 9.958 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 78 Resp: 2295928
Ion Ratio Lower Upper
78 100
77 22.0 17.8 26.8
50 18.5 15.6 23.4

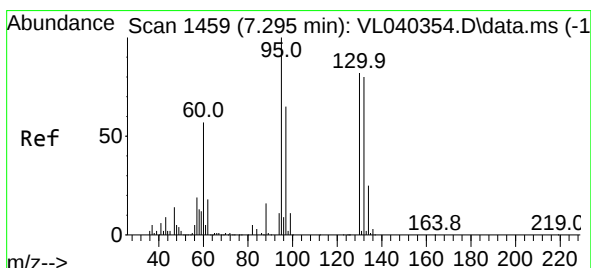
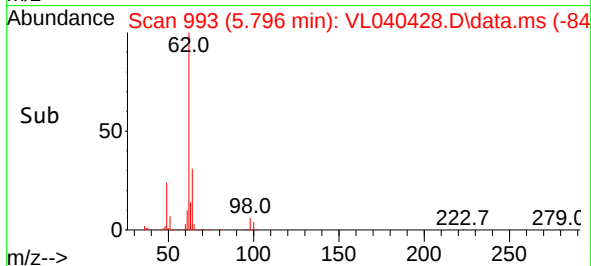
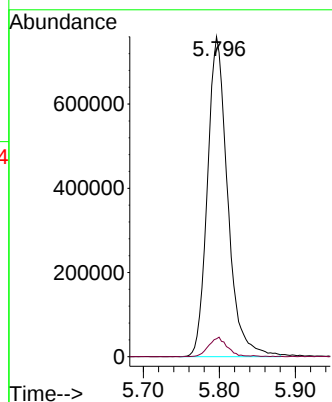
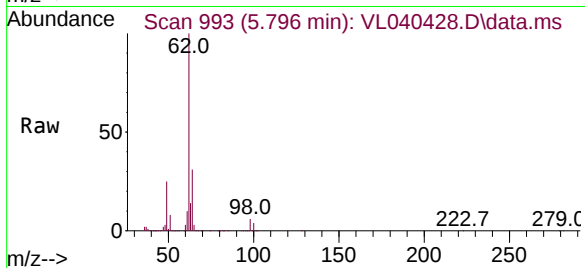




#37
1,2-Dichloroethane
Concen: 9.277 ppbv
RT: 5.796 min Scan# 996
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

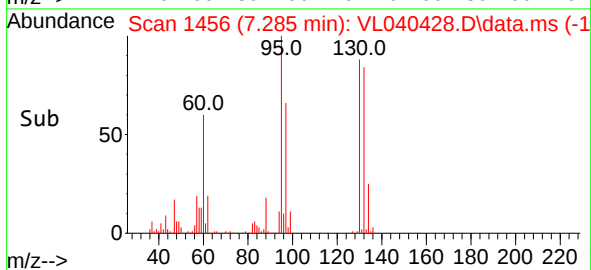
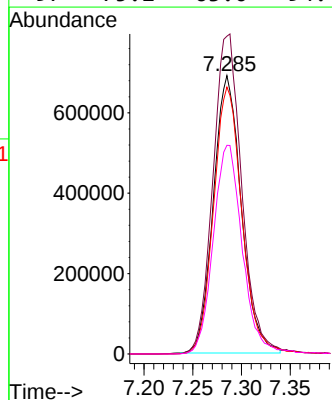
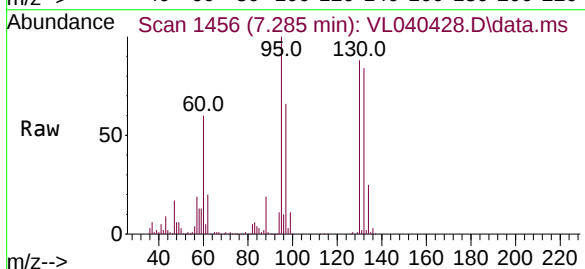
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

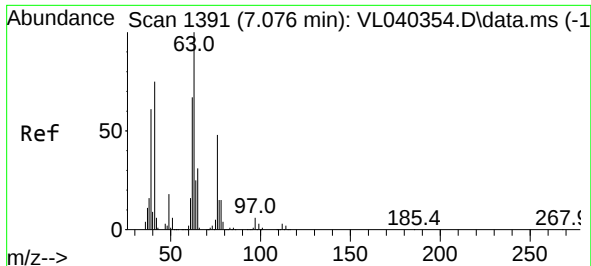
Tgt Ion: 62 Resp: 1404939
Ion Ratio Lower Upper
62 100
98 5.7 4.4 6.6



#38
Trichloroethene
Concen: 10.483 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion:130 Resp: 1375597
Ion Ratio Lower Upper
130 100
95 114.4 97.4 146.0
132 96.1 77.5 116.3
97 75.2 63.0 94.4





#39

1,2-Dichloropropane

Concen: 9.677 ppbv

RT: 7.066 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

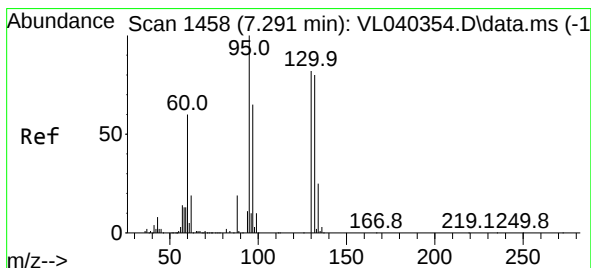
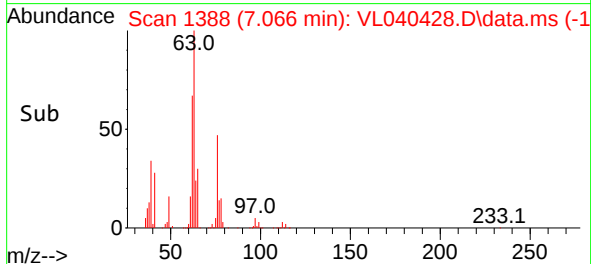
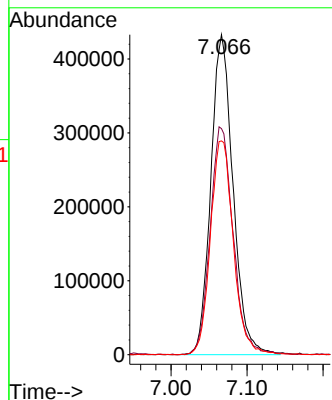
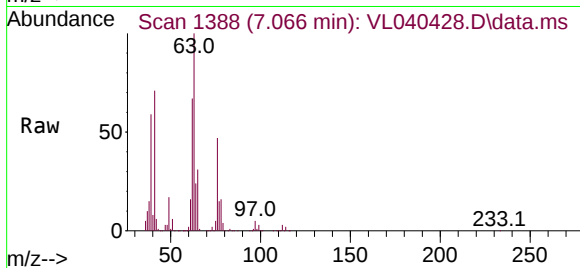
Tgt Ion: 63 Resp: 877870

Ion Ratio Lower Upper

63 100

41 70.6 59.6 89.4

62 66.8 53.9 80.9



#40

1,4-Dioxane

Concen: 9.726 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.009 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Tgt Ion: 88 Resp: 337941

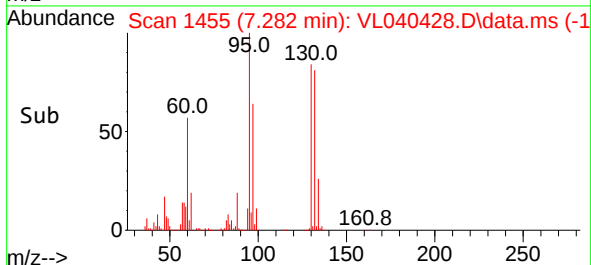
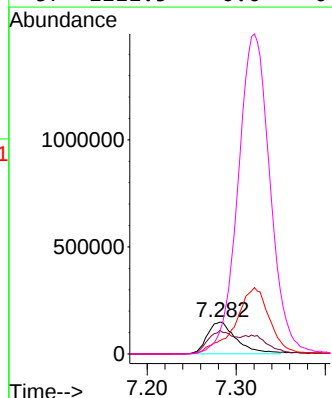
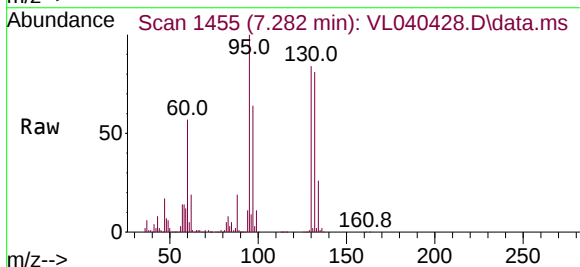
Ion Ratio Lower Upper

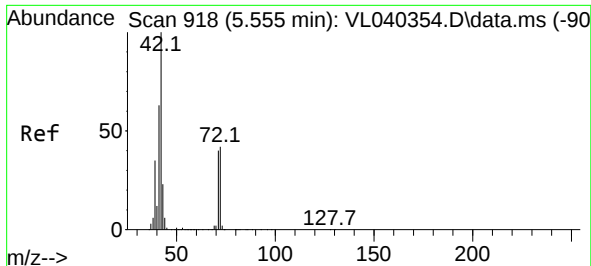
88 100

58 123.3 100.8 151.2

43 248.5 0.0 0.0#

57 1111.5 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.263 ppbv

RT: 5.542 min Scan# 918

Delta R.T. -0.013 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

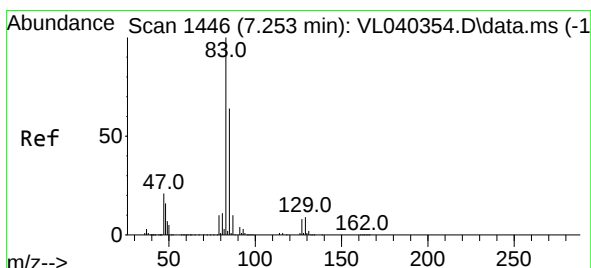
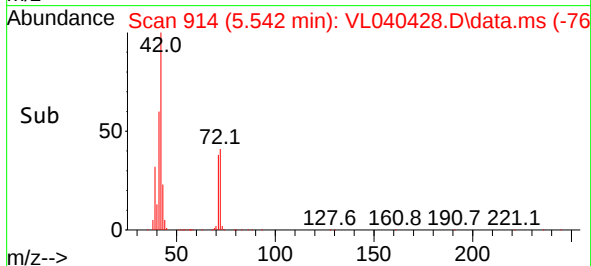
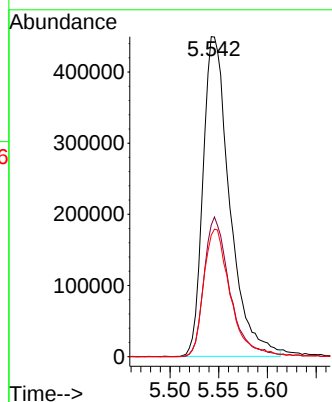
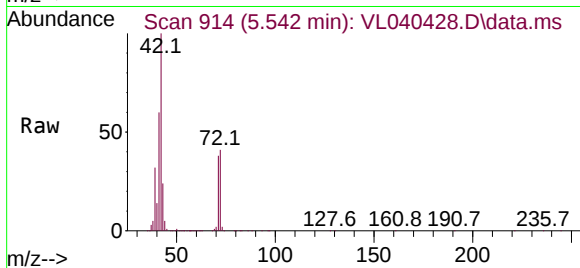
Tgt Ion: 42 Resp: 856490

Ion Ratio Lower Upper

42 100

72 42.5 33.7 50.5

71 40.4 32.2 48.2



#42

Bromodichloromethane

Concen: 9.592 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.010 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

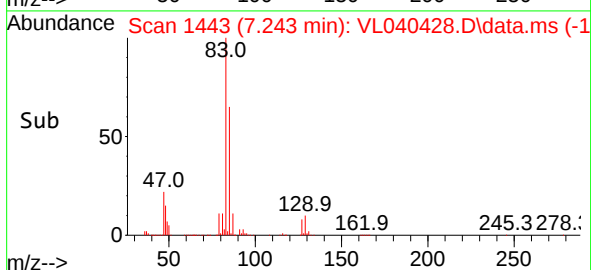
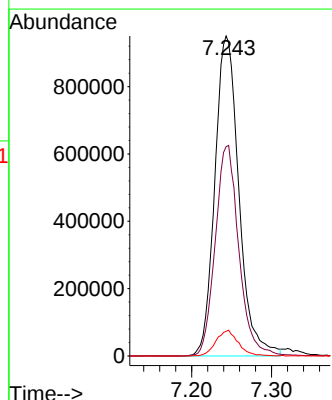
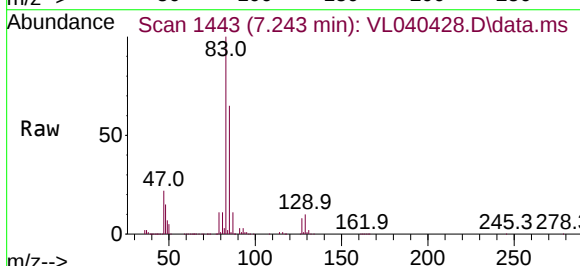
Tgt Ion: 83 Resp: 1983927

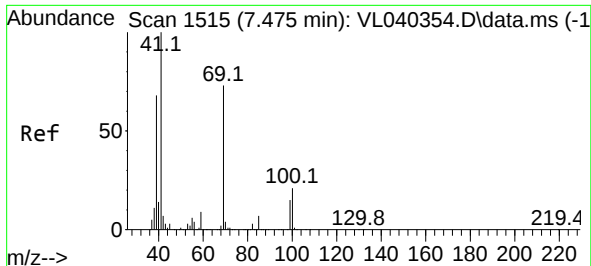
Ion Ratio Lower Upper

83 100

85 65.4 50.9 76.3

127 7.7 6.4 9.6

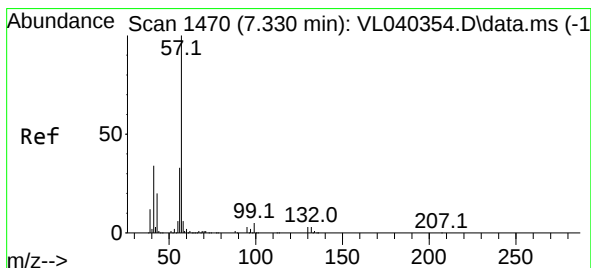
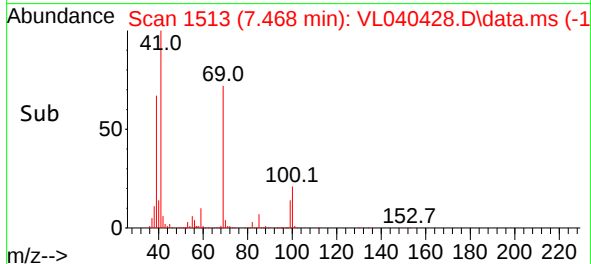
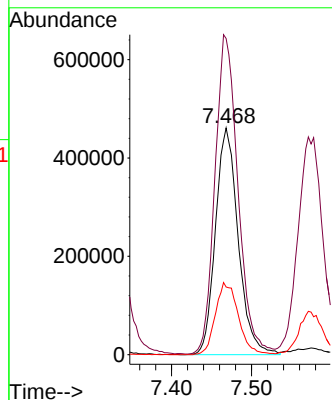
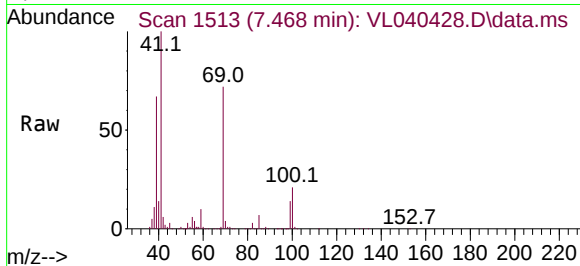




#43
Methyl Methacrylate
Concen: 10.617 ppbv
RT: 7.468 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

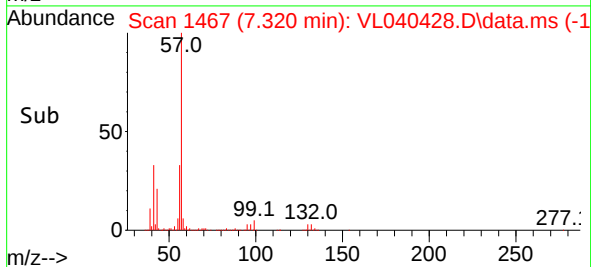
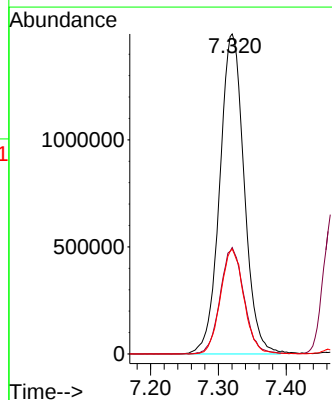
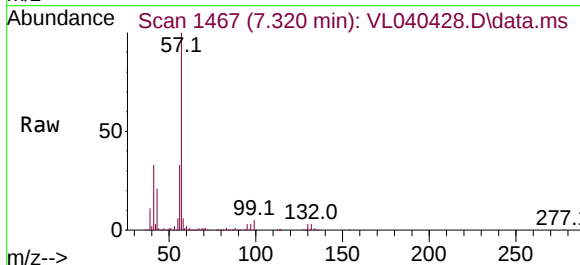
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

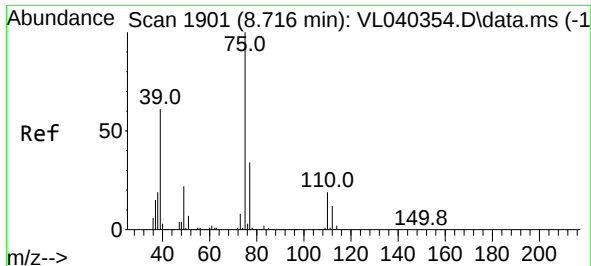
Tgt Ion: 69 Resp: 909194
Ion Ratio Lower Upper
69 100
41 142.8 114.3 171.5
100 32.0 24.5 36.7



#44
2,2,4-Trimethylpentane
Concen: 9.716 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 57 Resp: 3741695
Ion Ratio Lower Upper
57 100
41 32.6 26.9 40.3
56 31.5 25.1 37.7

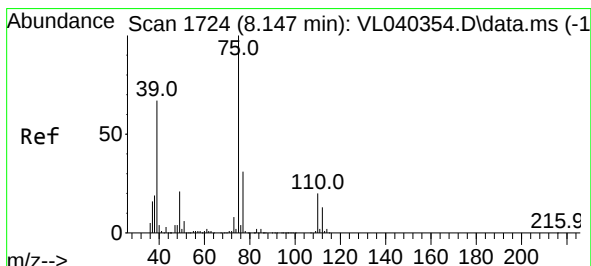
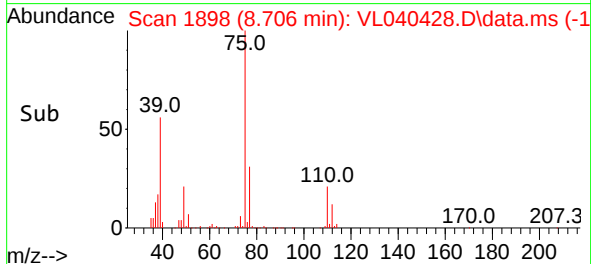
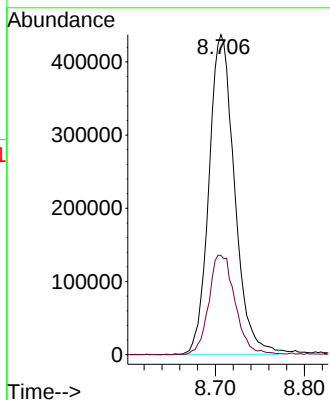
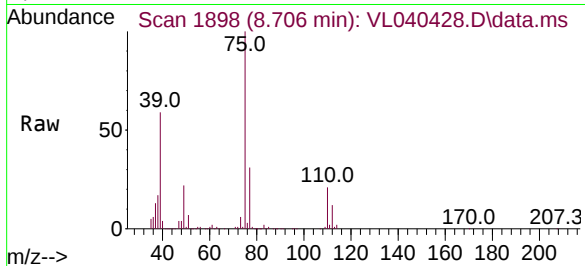




#45
 t-1,3-Dichloropropene
 Concen: 11.362 ppbv
 RT: 8.706 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

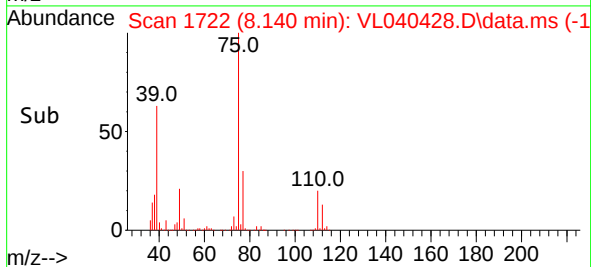
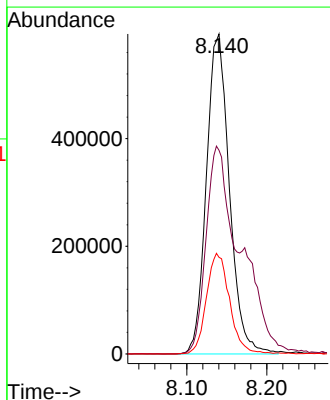
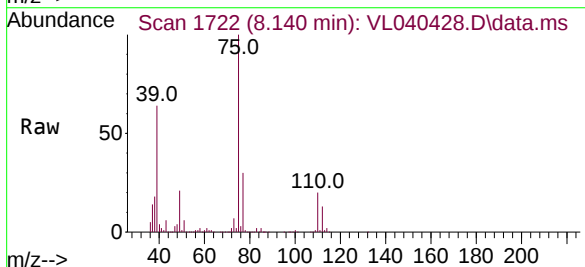
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

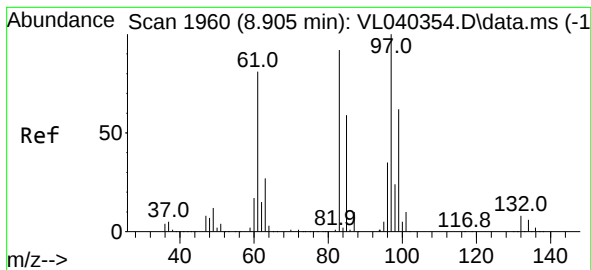
Tgt Ion: 75 Resp: 869134
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.8 40.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.174 ppbv
 RT: 8.140 min Scan# 1722
 Delta R.T. -0.007 min
 Lab File: VL040428.D
 Acq: 12 May 2023 22:15

Tgt Ion: 75 Resp: 1189748
 Ion Ratio Lower Upper
 75 100
 39 63.6 53.4 80.2
 77 30.2 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 9.584 ppbv

RT: 8.893 min Scan# 1960

Delta R.T. -0.012 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 953361

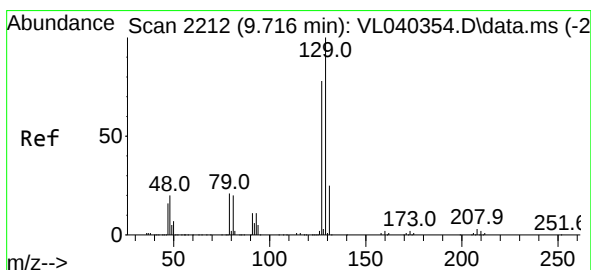
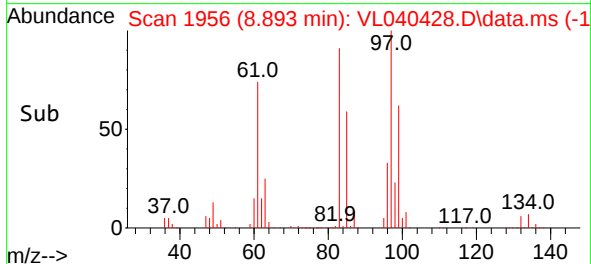
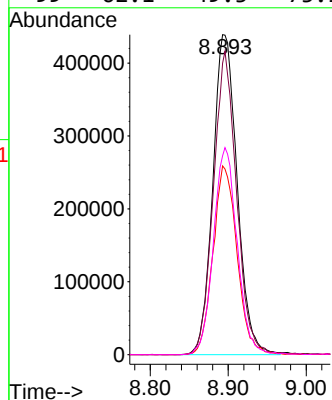
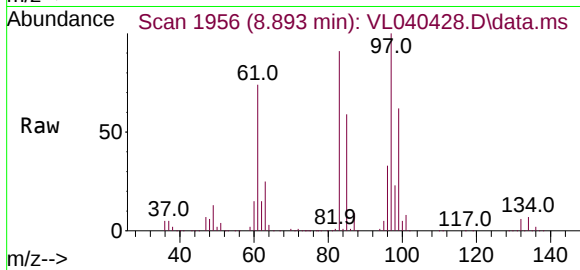
Ion Ratio Lower Upper

97 100

83 91.1 73.3 109.9

85 59.0 46.9 70.3

99 62.1 49.3 73.9



#48

Dibromochloromethane

Concen: 9.977 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.007 min

Lab File: VL040428.D

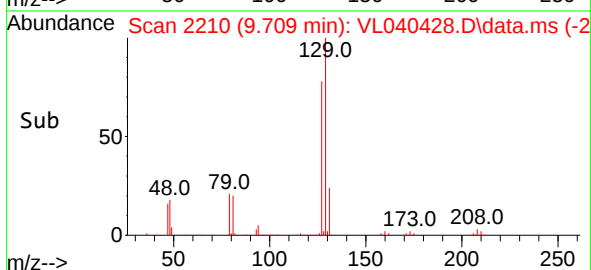
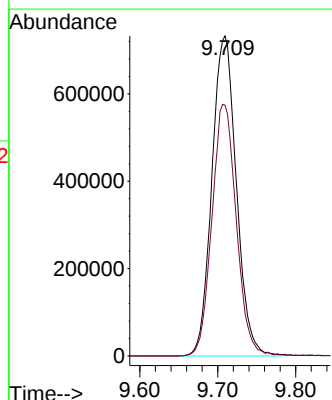
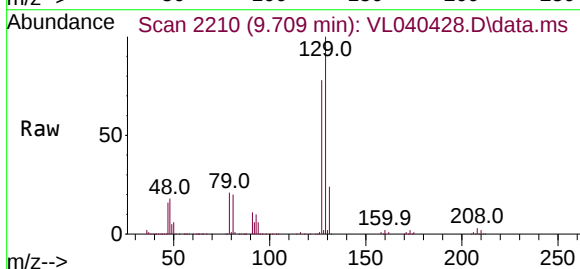
Acq: 12 May 2023 22:15

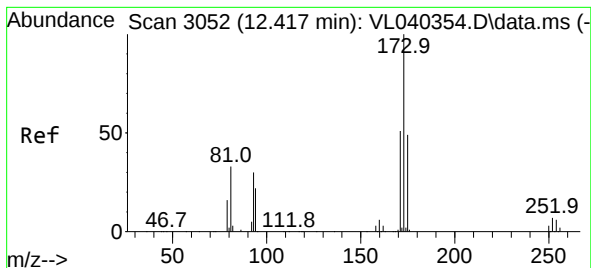
Tgt Ion: 129 Resp: 1598273

Ion Ratio Lower Upper

129 100

127 78.5 39.2 117.6





#49

Bromoform

Concen: 9.865 ppbv

RT: 12.407 min Scan# 3052

Delta R.T. -0.010 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

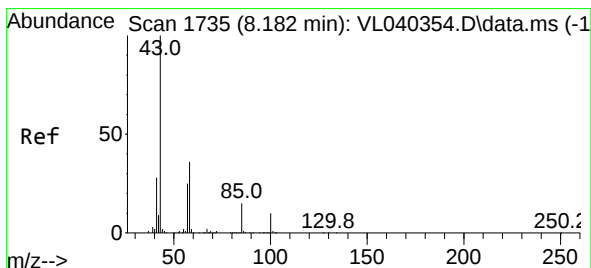
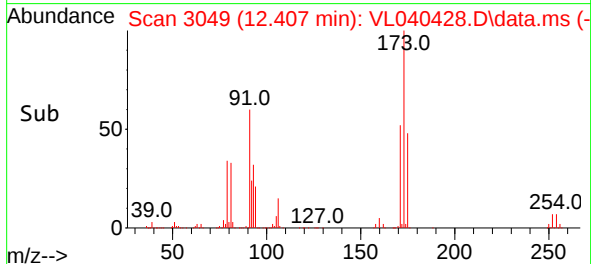
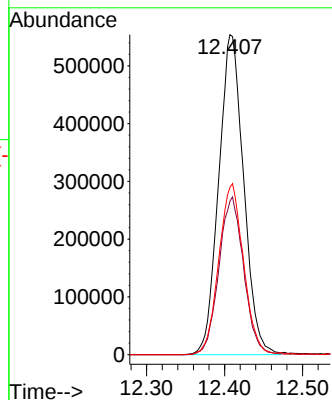
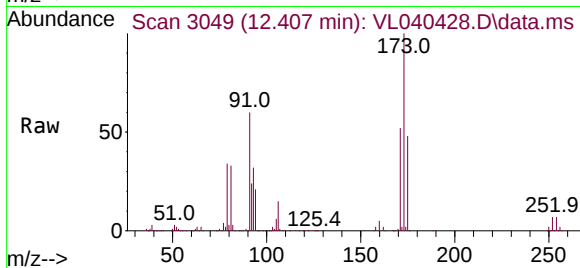
Tgt Ion:173 Resp: 1232605

Ion Ratio Lower Upper

173 100

175 49.2 39.8 59.8

171 53.3 42.2 63.2



#50

4-Methyl-2-Pentanone

Concen: 10.159 ppbv

RT: 8.176 min Scan# 1733

Delta R.T. -0.006 min

Lab File: VL040428.D

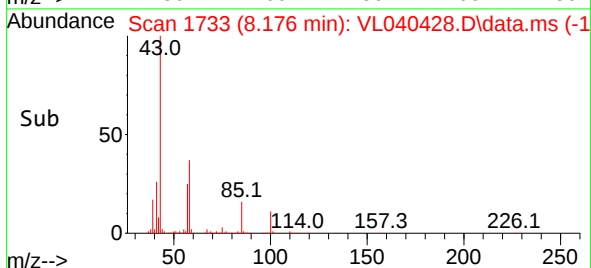
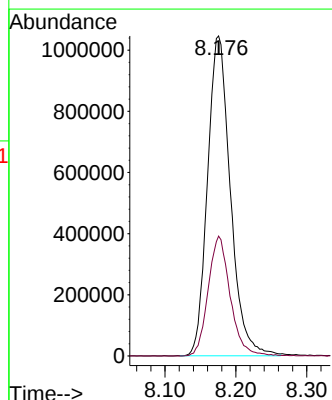
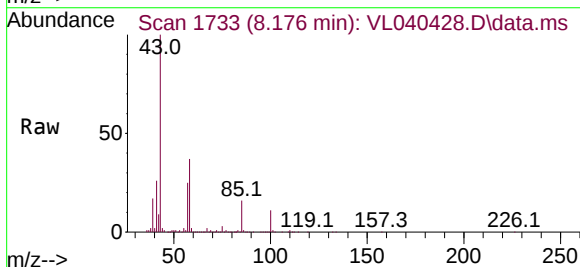
Acq: 12 May 2023 22:15

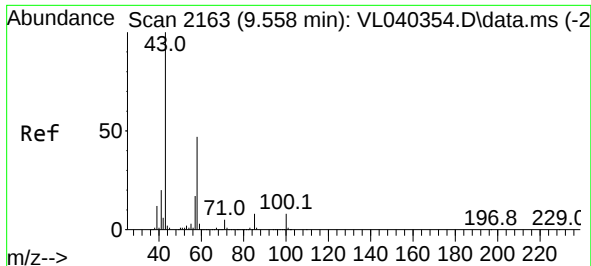
Tgt Ion: 43 Resp: 2347228

Ion Ratio Lower Upper

43 100

58 36.3 28.6 43.0



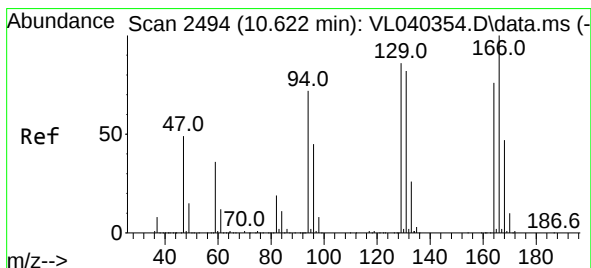
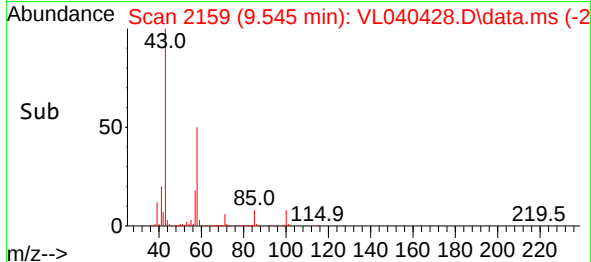
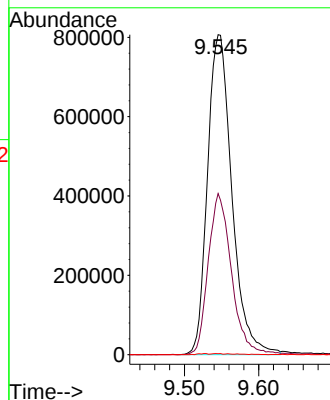
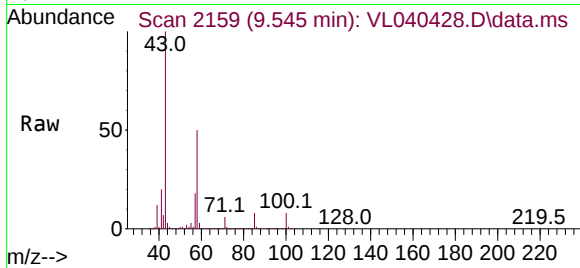


#51
2-Hexanone
Concen: 10.781 ppbv
RT: 9.545 min Scan# 2163
Delta R.T. -0.013 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1840673

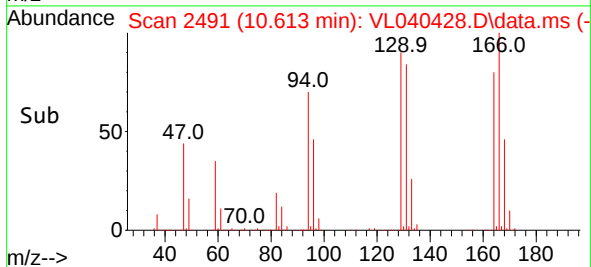
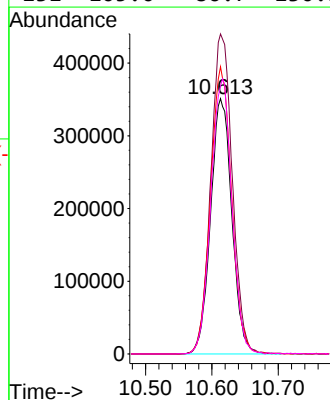
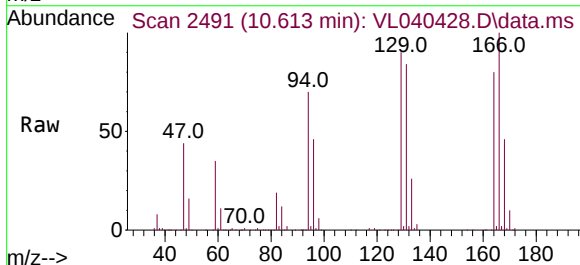
Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.3	57.5
98	0.5	0.4	0.6

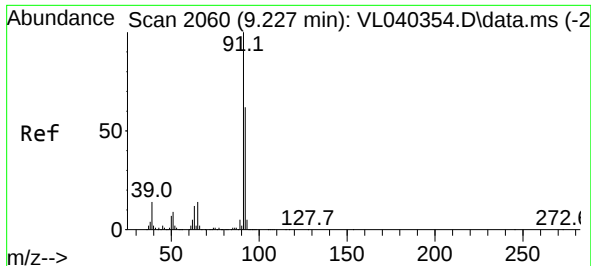


#52
Tetrachloroethene
Concen: 10.817 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 164 Resp: 780103

Ion	Ratio	Lower	Upper
164	100		
166	125.3	105.2	157.8
129	112.5	90.3	135.5
131	105.0	86.7	130.1

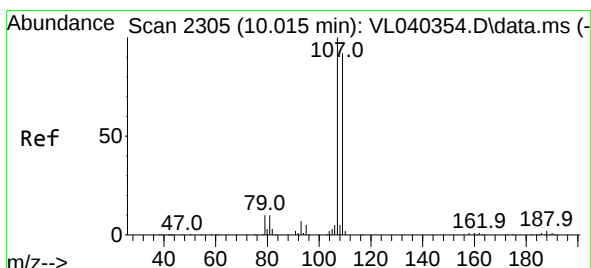
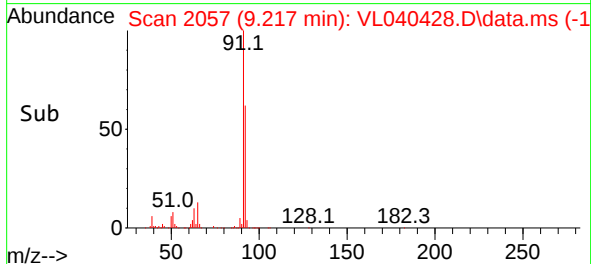
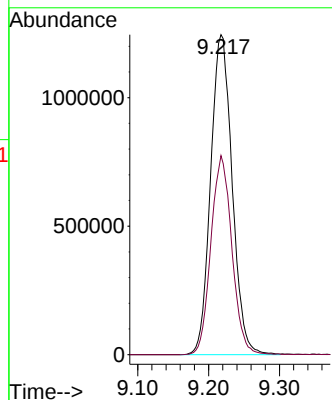
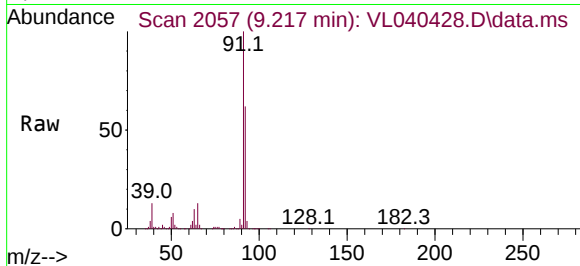




#53
Toluene
Concen: 10.739 ppbv
RT: 9.217 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

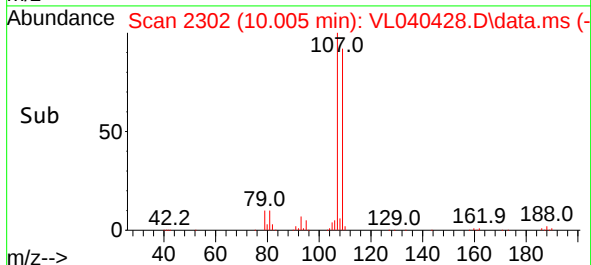
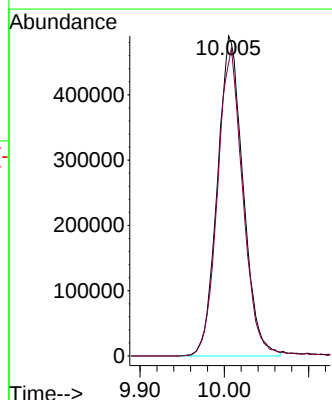
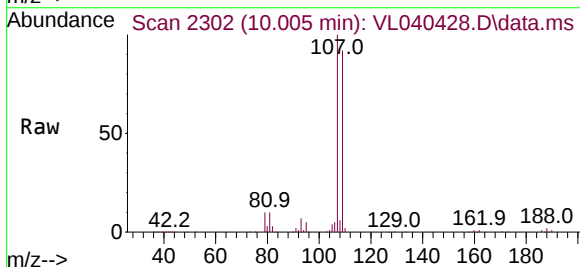
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

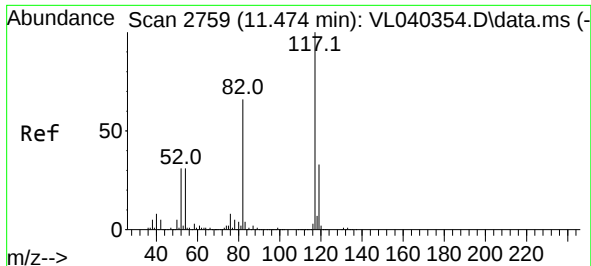
Tgt Ion: 91 Resp: 2625033
Ion Ratio Lower Upper
91 100
92 60.7 48.9 73.3



#54
1,2-Dibromoethane
Concen: 10.261 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 107 Resp: 1034821
Ion Ratio Lower Upper
107 100
109 91.7 73.6 110.4

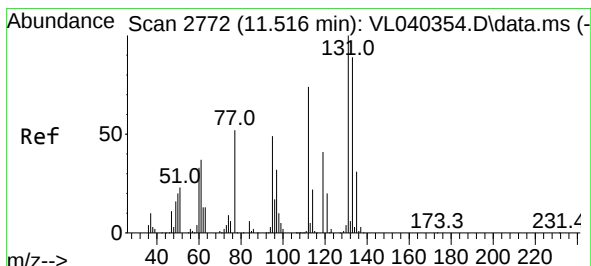
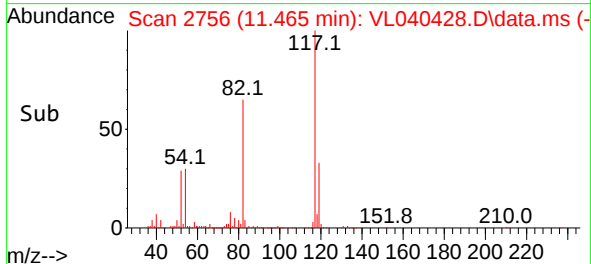
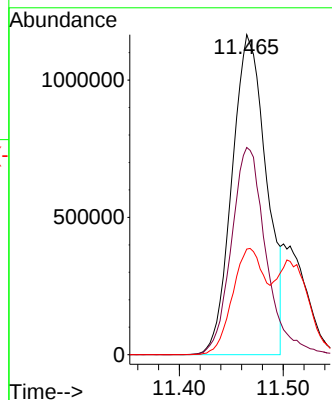
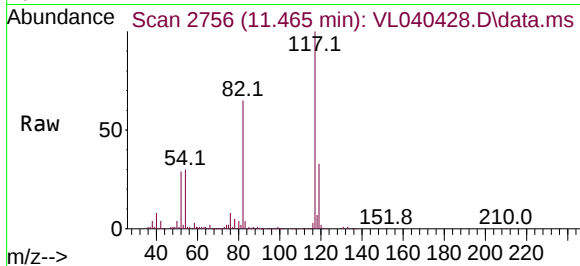




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

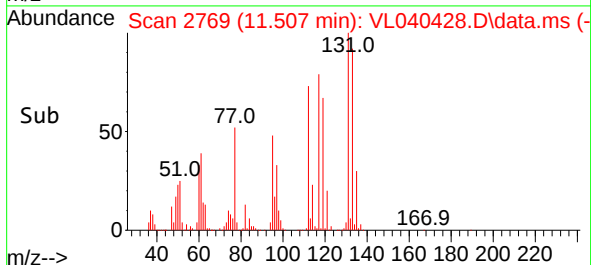
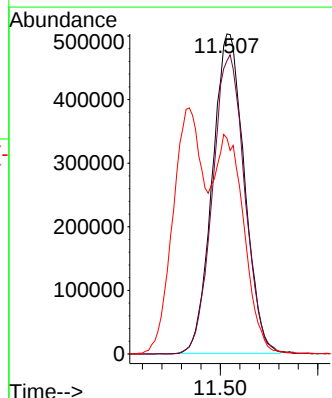
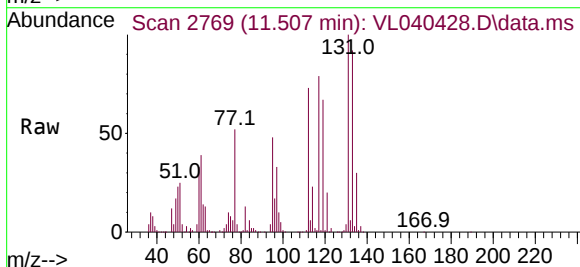
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

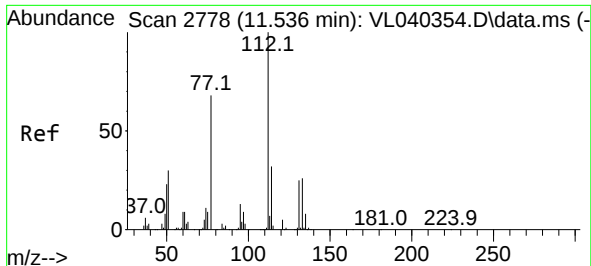
Tgt Ion:117 Resp: 2680384
Ion Ratio Lower Upper
117 100
82 65.5 52.5 78.7
119 31.4 24.3 36.5



#56
1,1,1,2-Tetrachloroethane
Concen: 9.370 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion:131 Resp: 1146349
Ion Ratio Lower Upper
131 100
133 94.8 75.3 112.9
119 61.1 53.9 80.9

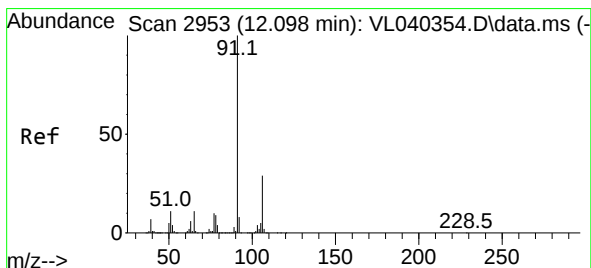
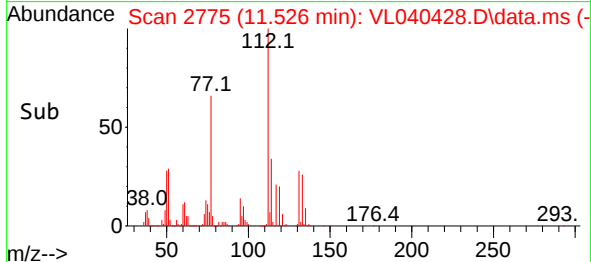
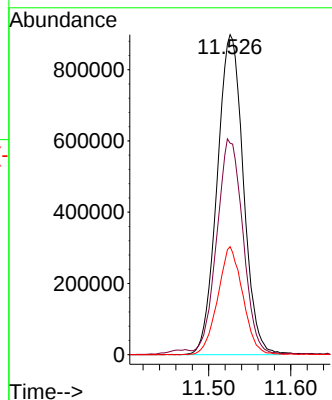
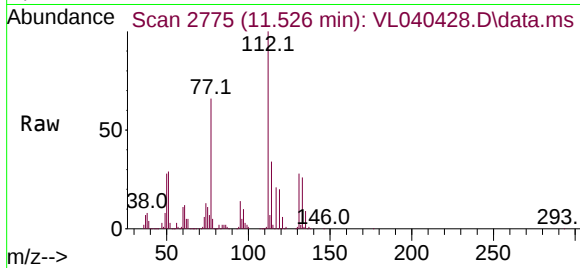




#57
Chlorobenzene
Concen: 9.502 ppbv
RT: 11.526 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

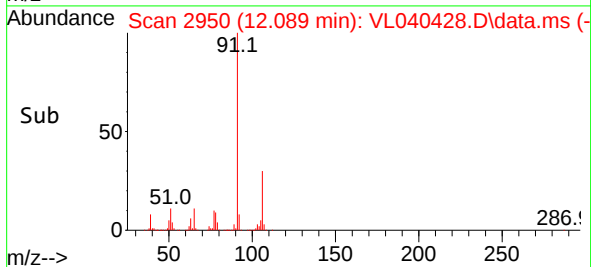
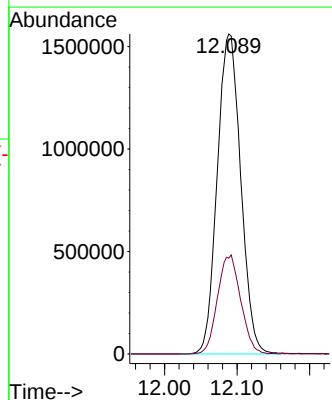
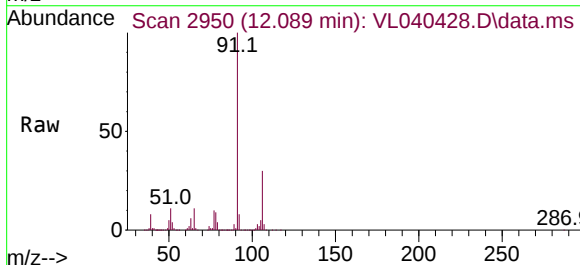
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

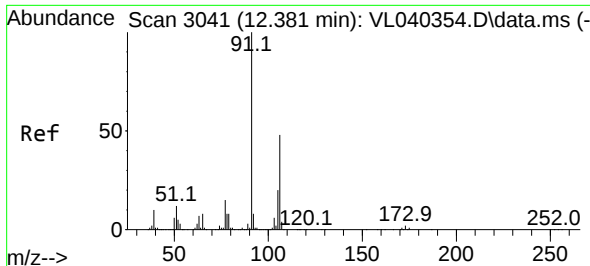
Tgt Ion:112 Resp: 1994175
Ion Ratio Lower Upper
112 100
77 65.7 55.8 83.8
114 33.8 29.1 35.5



#58
Ethyl Benzene
Concen: 10.655 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 91 Resp: 3513040
Ion Ratio Lower Upper
91 100
106 29.9 23.5 35.3





#59

m/p-Xylene

Concen: 9.675 ppbv

RT: 12.375 min Scan# 3041

Delta R.T. -0.006 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

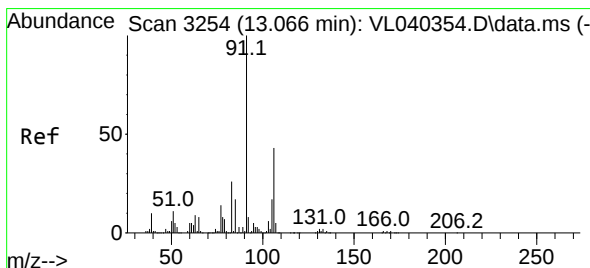
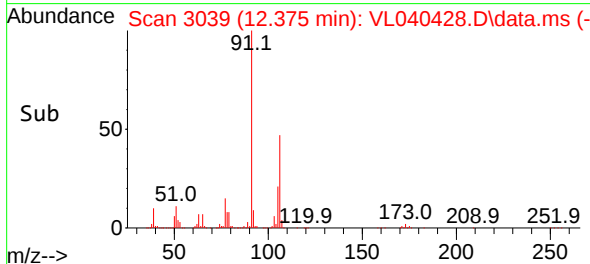
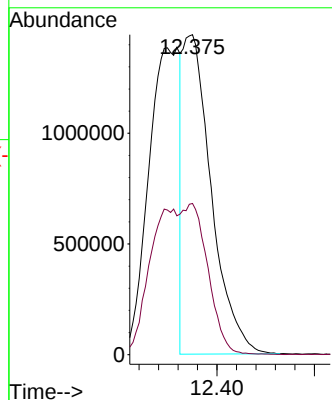
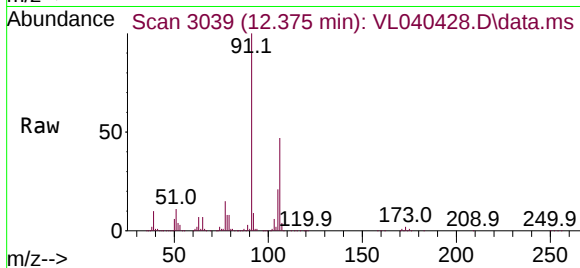
VSTDCCC010EC

Tgt Ion: 91 Resp: 2933667

Ion Ratio Lower Upper

91 100

106 90.8 34.7 52.1#



#60

o-Xylene

Concen: 9.887 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.006 min

Lab File: VL040428.D

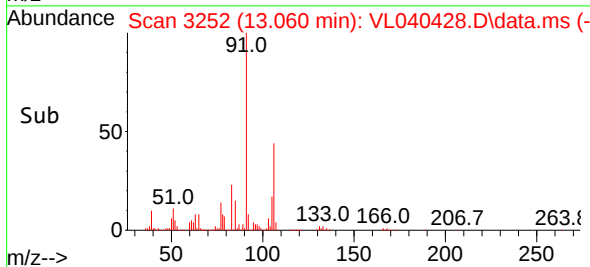
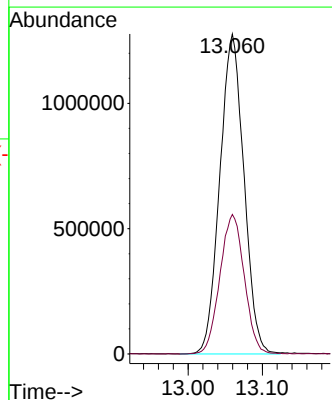
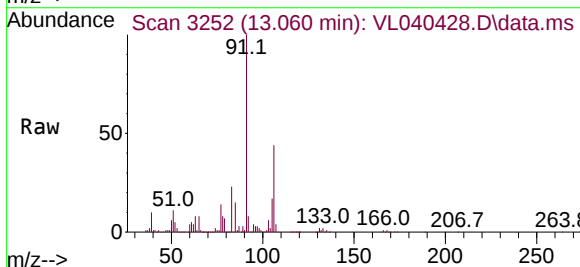
Acq: 12 May 2023 22:15

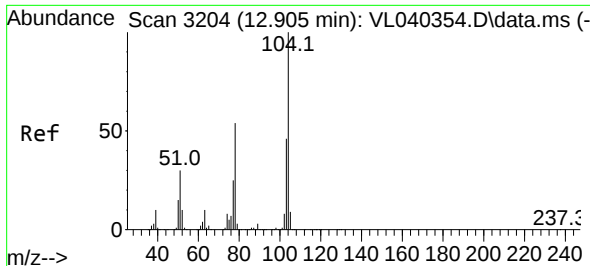
Tgt Ion: 91 Resp: 2877332

Ion Ratio Lower Upper

91 100

106 44.1 21.9 65.8

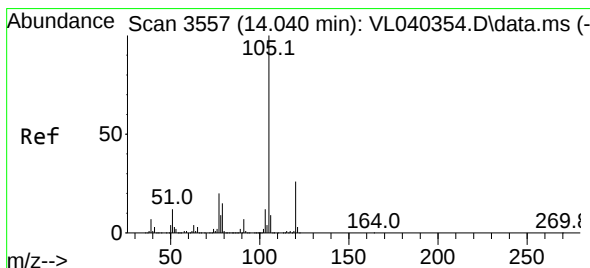
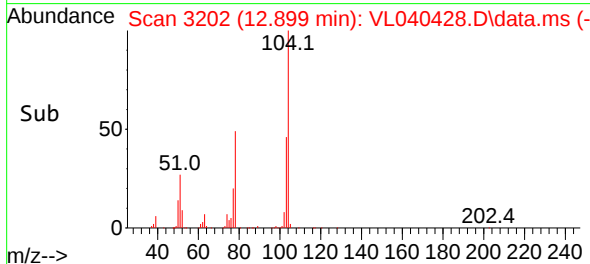
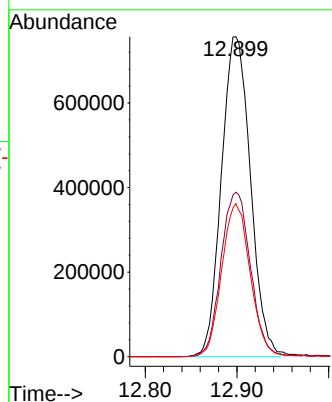
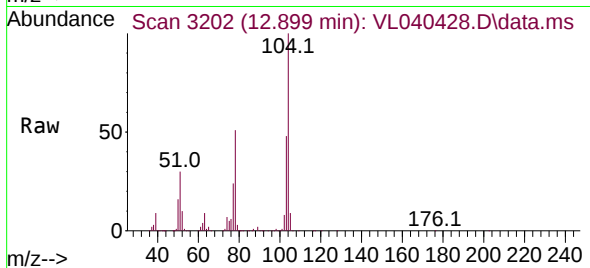




#61
Styrene
Concen: 11.427 ppbv
RT: 12.899 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

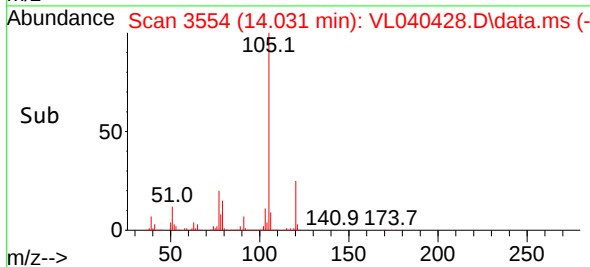
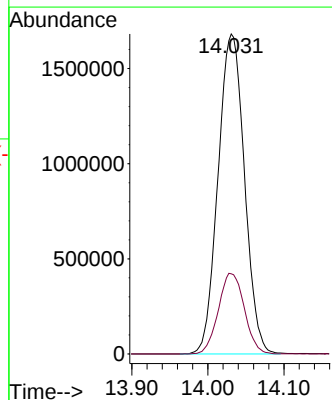
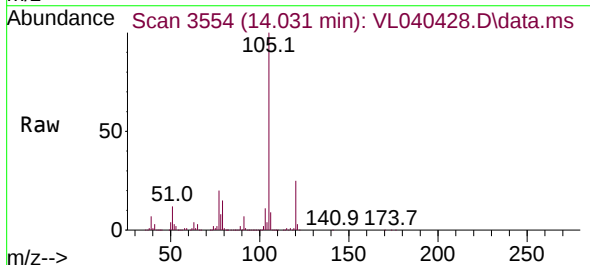
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

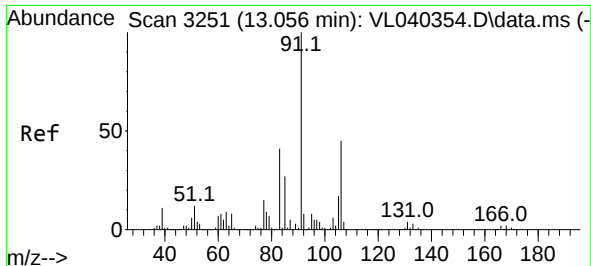
Tgt Ion:104 Resp: 1665770
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.0
103 47.2 37.0 55.4



#62
Isopropylbenzene
Concen: 9.679 ppbv
RT: 14.031 min Scan# 3554
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion:105 Resp: 4056316
Ion Ratio Lower Upper
105 100
120 24.8 19.9 29.9

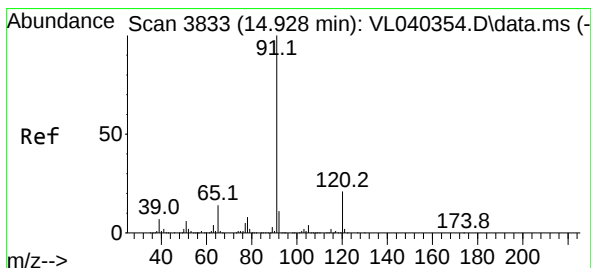
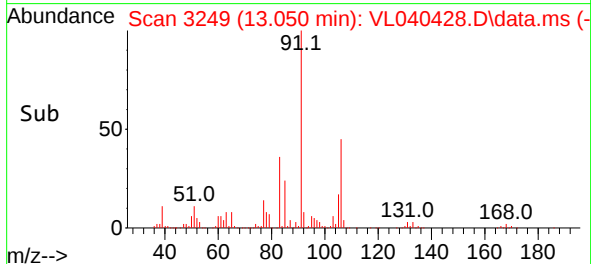
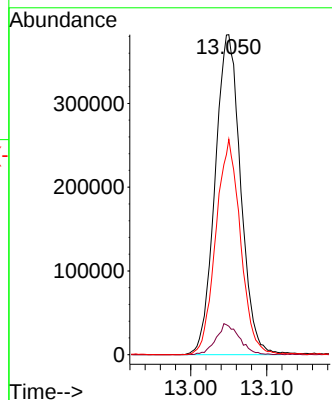
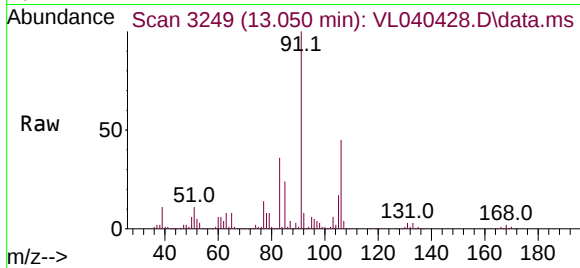




#63
1,1,2,2-Tetrachloroethane
Concen: 8.386 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

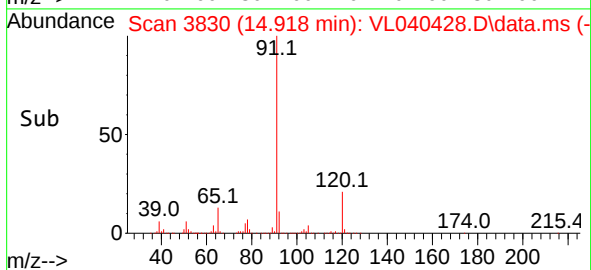
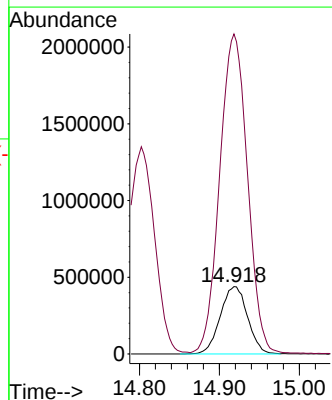
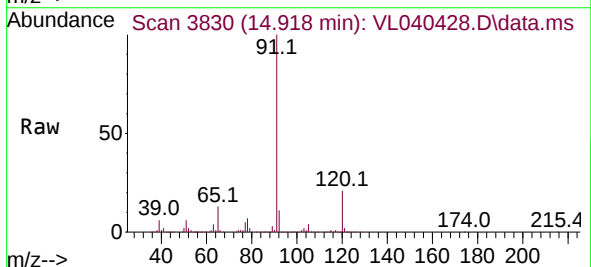
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

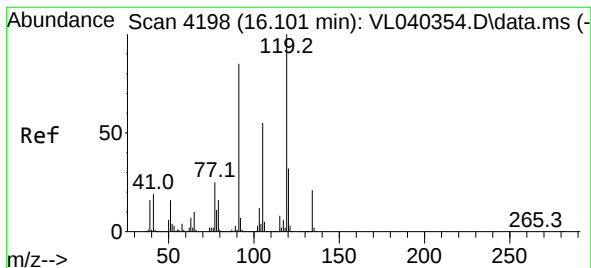
Tgt Ion: 83 Resp: 893044
Ion Ratio Lower Upper
83 100
131 8.9 4.3 13.1
85 65.1 32.9 98.6



#64
n-propylbenzene
Concen: 10.069 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion:120 Resp: 1038304
Ion Ratio Lower Upper
120 100
91 486.7 397.4 596.0





#65

tert-Butylbenzene

Concen: 9.666 ppbv

RT: 16.092 min Scan# 41

Delta R.T. -0.009 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

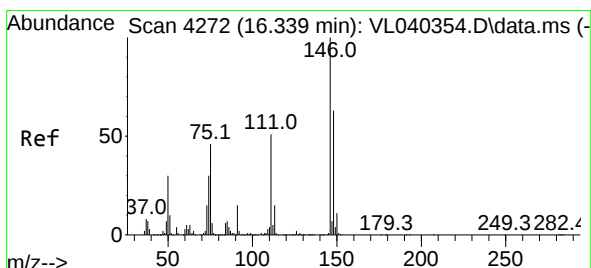
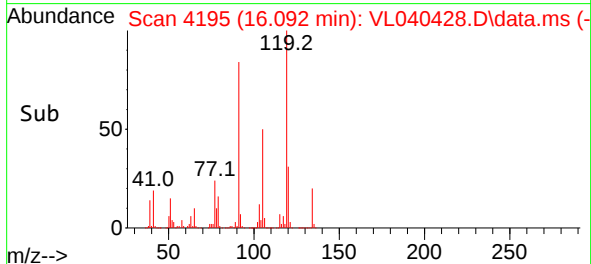
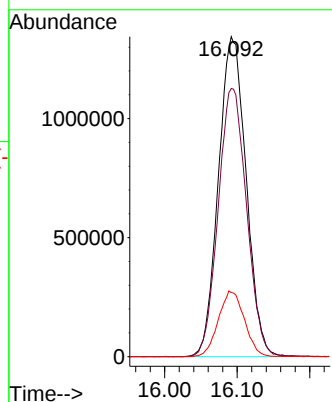
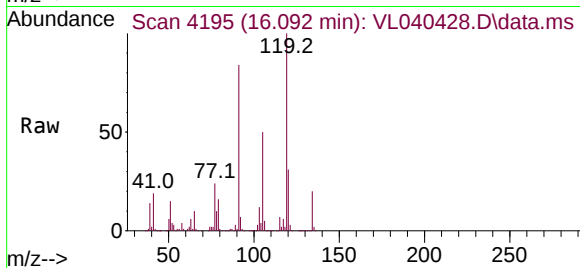
Tgt Ion:119 Resp: 3563903

Ion Ratio Lower Upper

119 100

91 86.0 70.1 105.1

134 19.3 15.6 23.4



#66

Benzyl Chloride

Concen: 10.594 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. -0.009 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

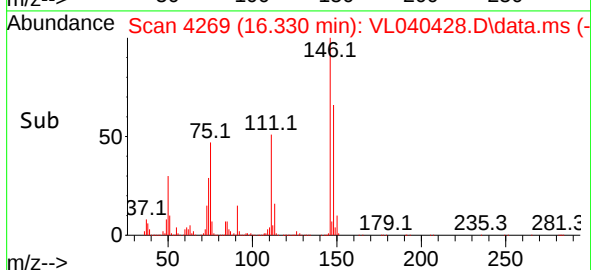
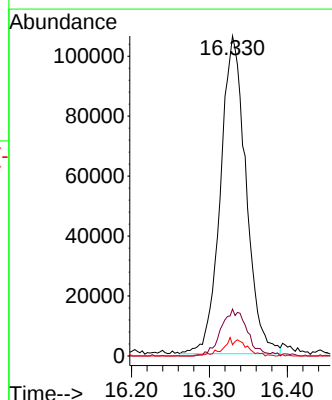
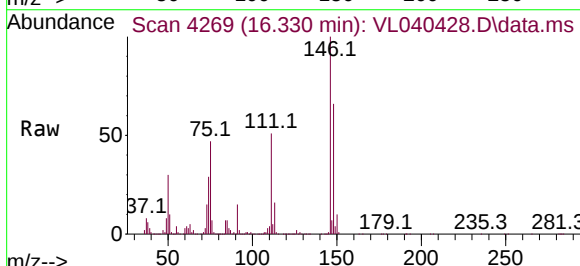
Tgt Ion: 91 Resp: 241862

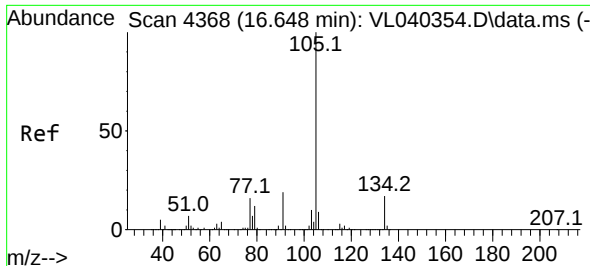
Ion Ratio Lower Upper

91 100

126 15.4 12.3 18.5

128 4.9 4.1 6.1





#67

sec-Butylbenzene

Concen: 9.663 ppbv

RT: 16.638 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

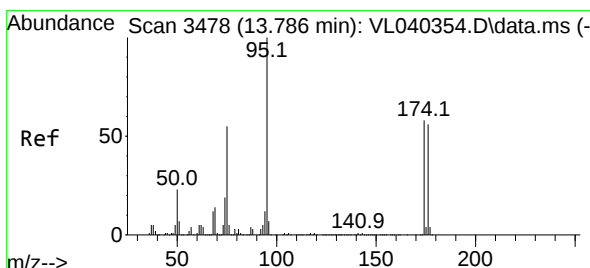
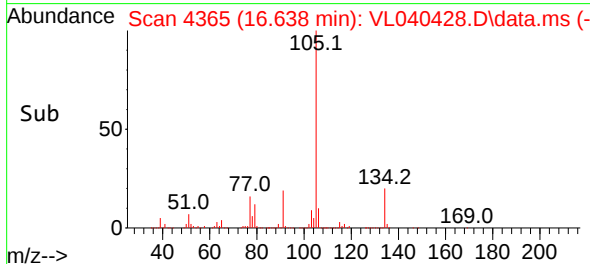
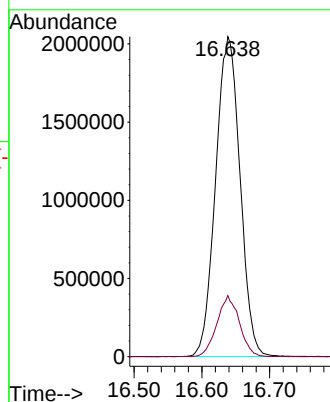
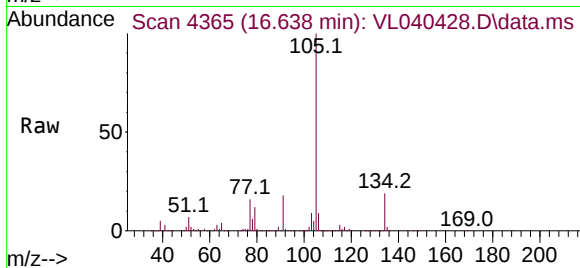
VSTDCCC010EC

Tgt Ion:105 Resp: 5117617

Ion Ratio Lower Upper

105 100

134 17.6 13.8 20.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.468 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. -0.009 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

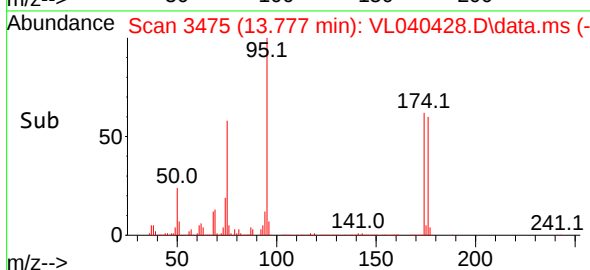
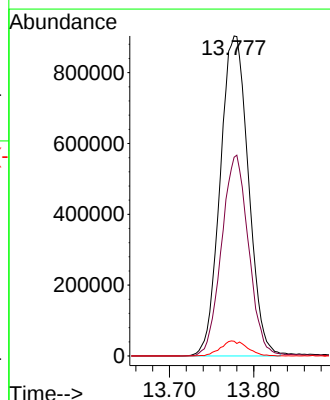
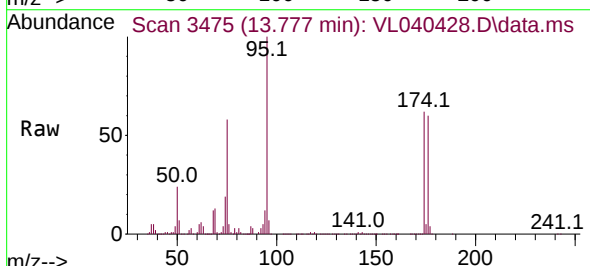
Tgt Ion: 95 Resp: 2098566

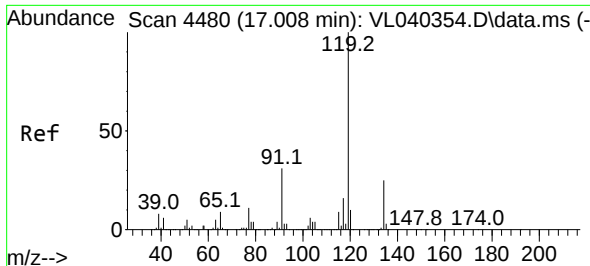
Ion Ratio Lower Upper

95 100

174 60.3 47.2 70.8

175 4.5 3.5 5.3

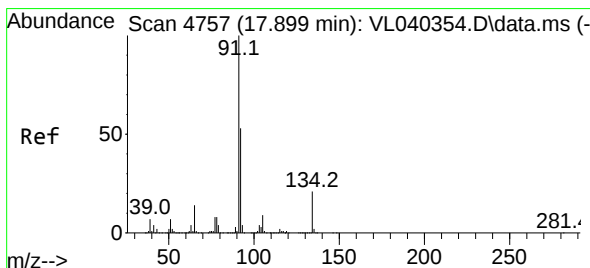
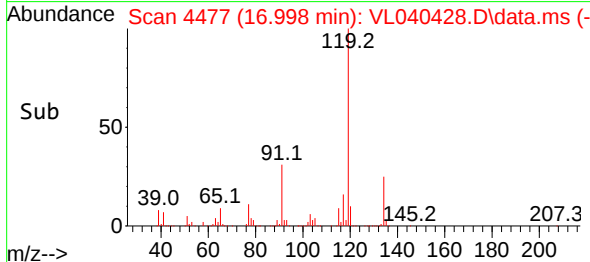
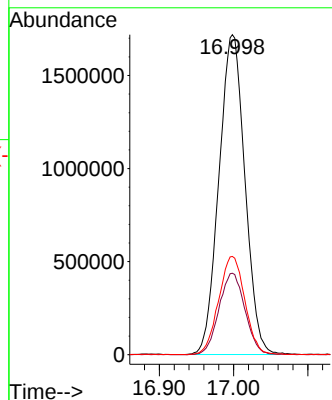
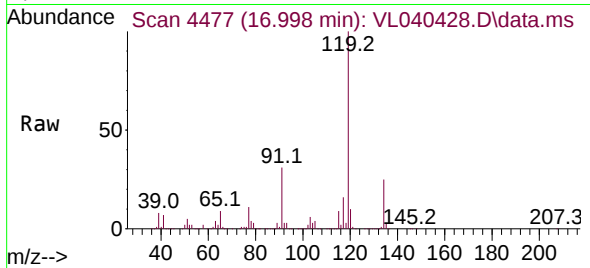




#69
p-Isopropyltoluene
Concen: 10.106 ppbv
RT: 16.998 min Scan# 4480
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

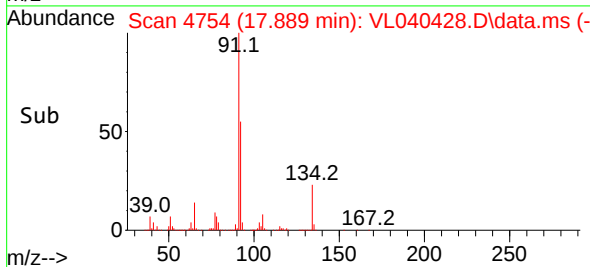
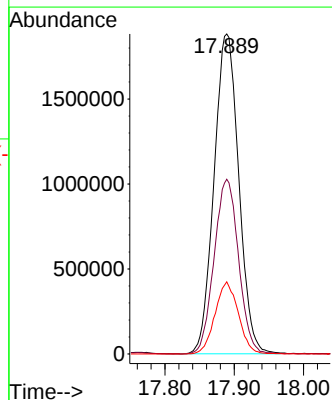
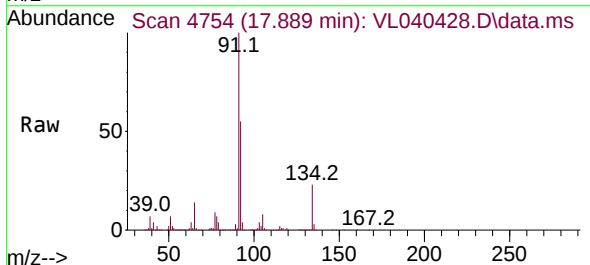
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

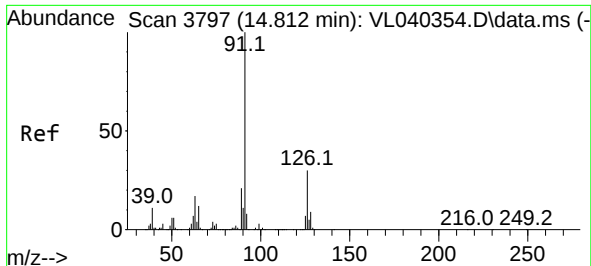
Tgt Ion:119 Resp: 4179405
Ion Ratio Lower Upper
119 100
134 25.5 20.2 30.4
91 30.8 25.7 38.5



#70
n-Butylbenzene
Concen: 10.183 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 91 Resp: 4668386
Ion Ratio Lower Upper
91 100
92 53.9 43.0 64.4
134 21.3 16.6 25.0

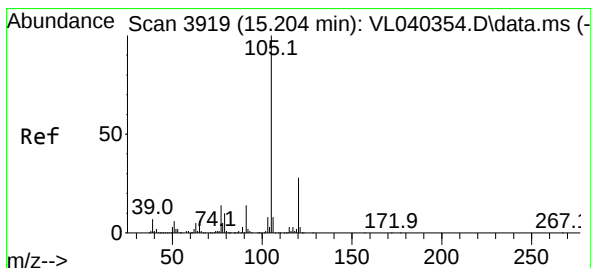
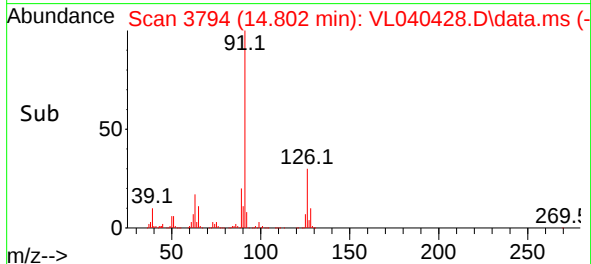
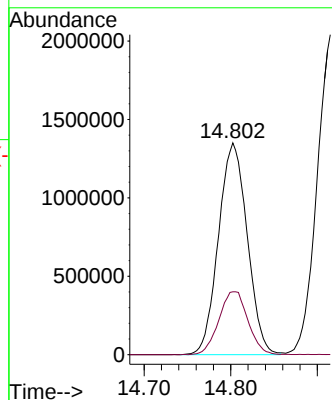
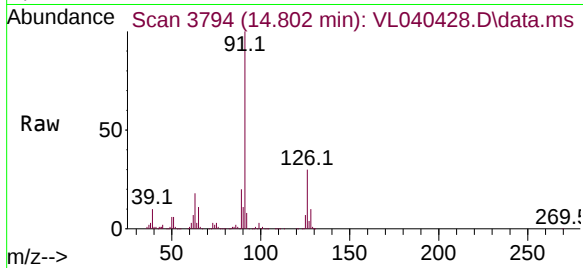




#71
2-Chlorotoluene
Concen: 9.694 ppbv
RT: 14.802 min Scan# 3119
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

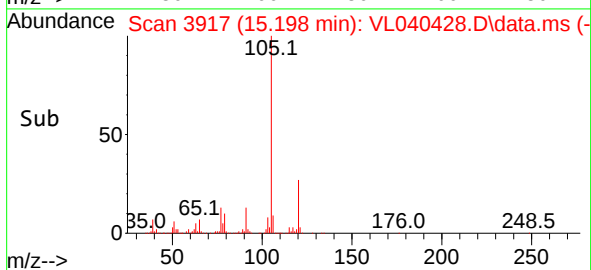
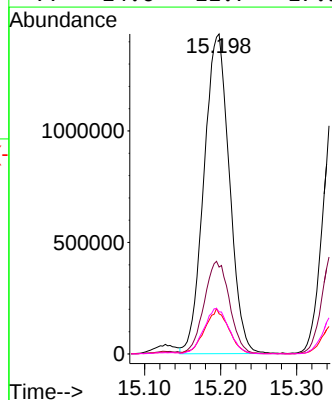
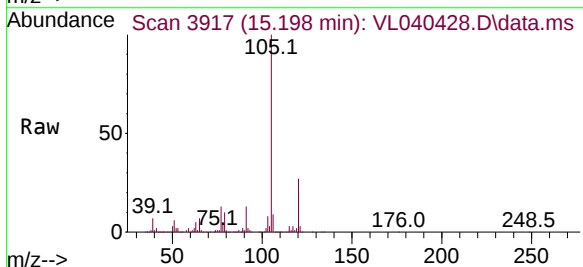
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

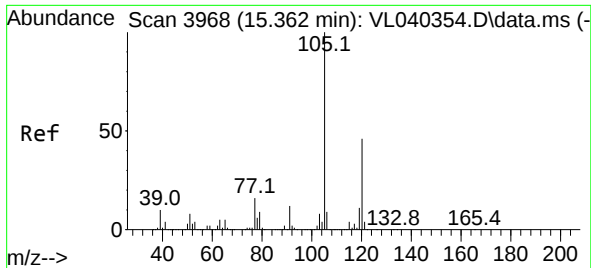
Tgt Ion: 91 Resp: 3119146
Ion Ratio Lower Upper
91 100
126 30.1 11.8 47.4



#72
4-Ethyltoluene
Concen: 10.351 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion: 105 Resp: 3325412
Ion Ratio Lower Upper
105 100
120 29.8 23.0 34.6
91 14.0 11.3 16.9
77 14.6 11.7 17.5

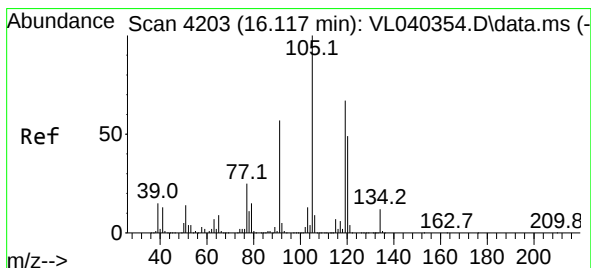
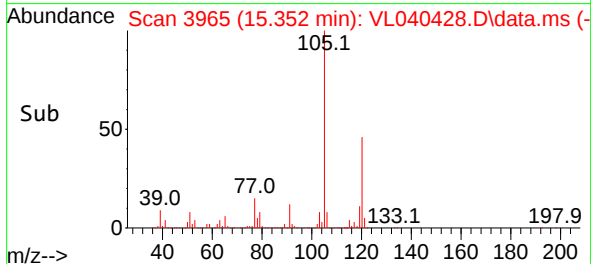
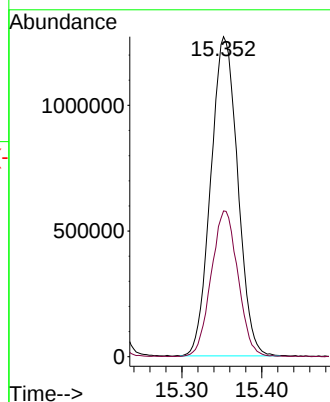
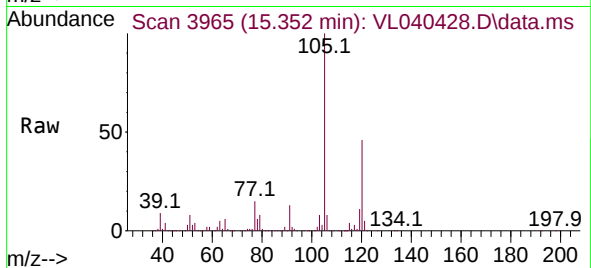




#73
1,3,5-Trimethylbenzene
Concen: 10.008 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. -0.010 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

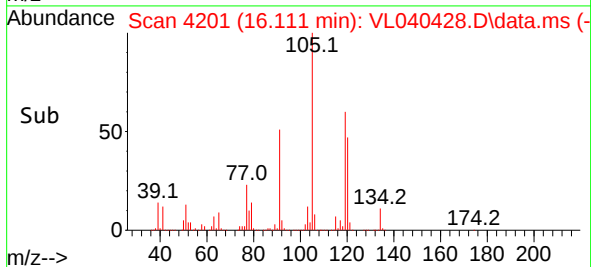
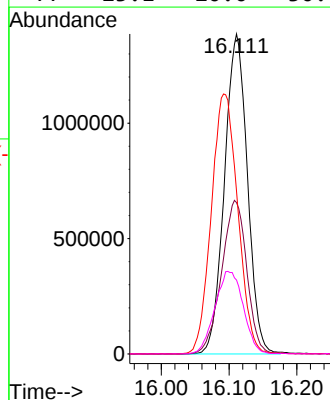
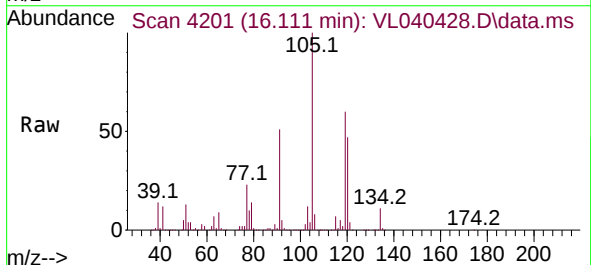
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

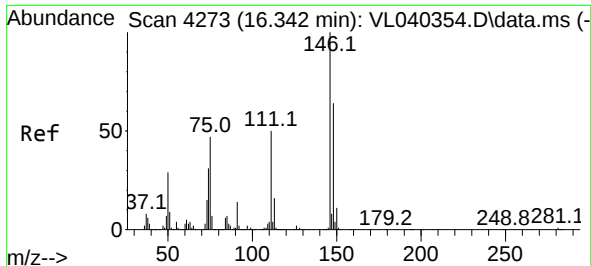
Tgt Ion:105 Resp: 2969849
Ion Ratio Lower Upper
105 100
120 45.6 36.9 55.3



#74
1,2,4-Trimethylbenzene
Concen: 9.611 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion:105 Resp: 3259853
Ion Ratio Lower Upper
105 100
120 47.3 38.9 58.3
91 50.9 46.0 69.0
77 23.1 20.0 30.0

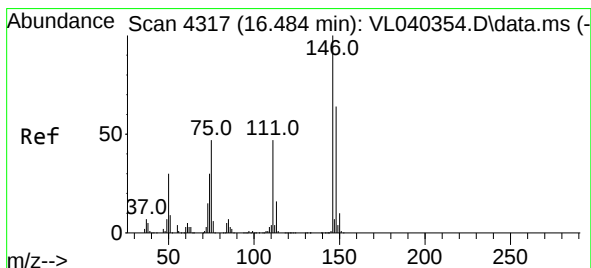
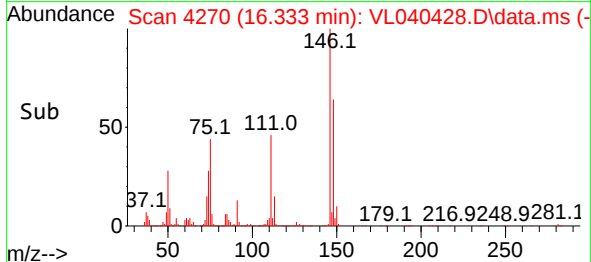
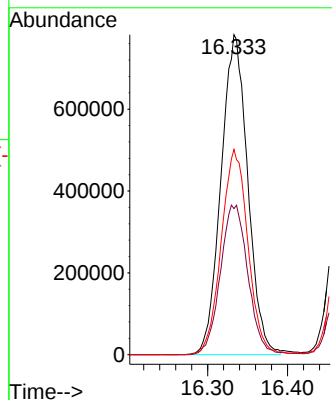
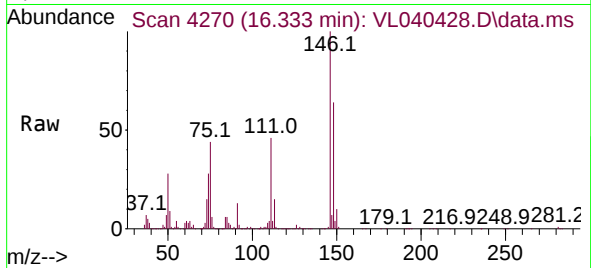




#75
1,3-Dichlorobenzene
Concen: 9.772 ppbv
RT: 16.333 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

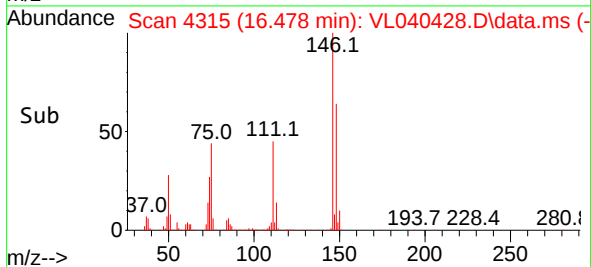
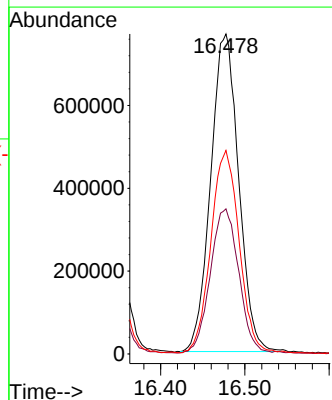
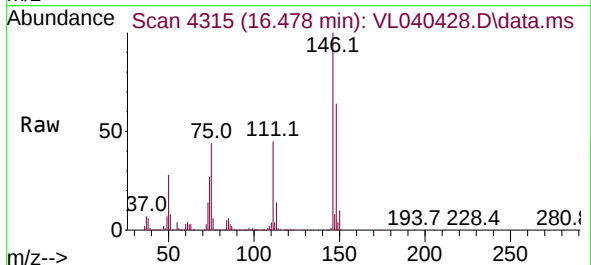
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

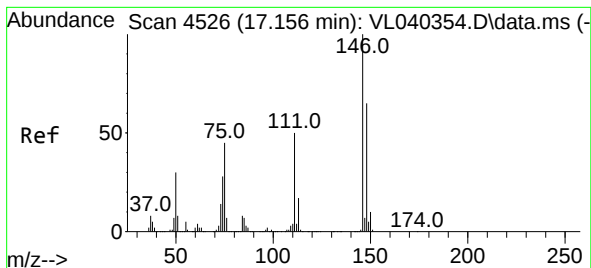
Tgt Ion:146 Resp: 1815506
Ion Ratio Lower Upper
146 100
111 48.4 24.6 74.0
148 64.2 32.1 96.3



#76
1,4-Dichlorobenzene
Concen: 9.625 ppbv
RT: 16.478 min Scan# 4315
Delta R.T. -0.006 min
Lab File: VL040428.D
Acq: 12 May 2023 22:15

Tgt Ion:146 Resp: 1766673
Ion Ratio Lower Upper
146 100
111 47.7 23.8 71.4
148 65.7 32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 9.765 ppbv

RT: 17.143 min Scan# 4526

Delta R.T. -0.013 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

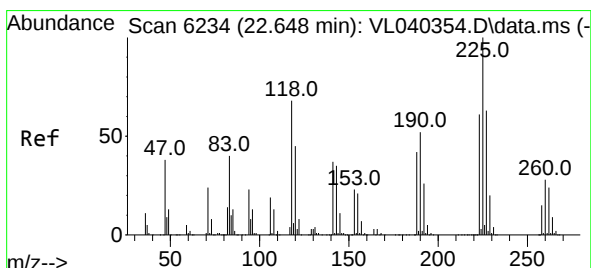
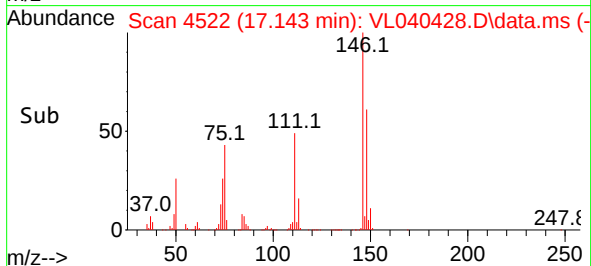
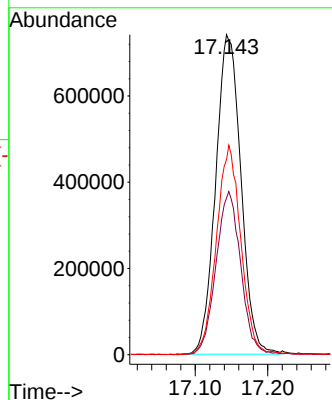
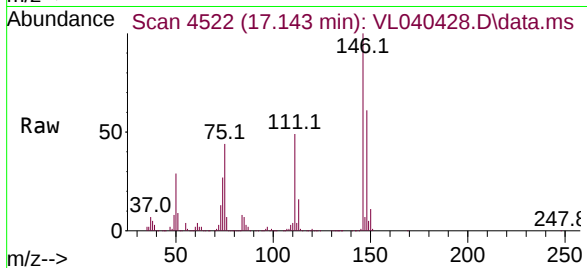
Tgt Ion:146 Resp: 1793913

Ion Ratio Lower Upper

146 100

111 49.9 25.4 76.0

148 63.4 32.0 96.2



#78

Hexachloro-1,3-Butadiene

Concen: 10.316 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. -0.010 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

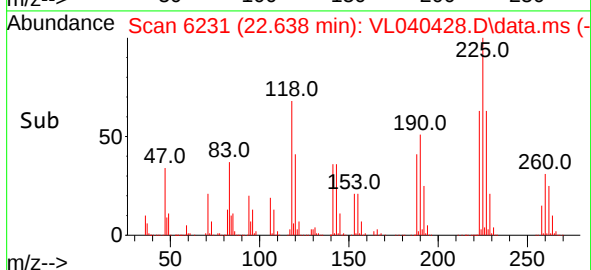
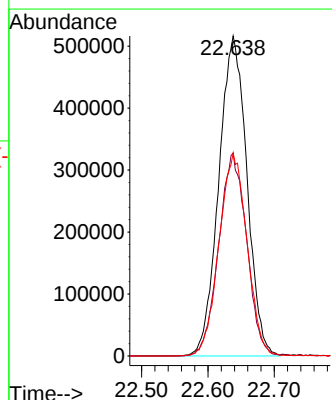
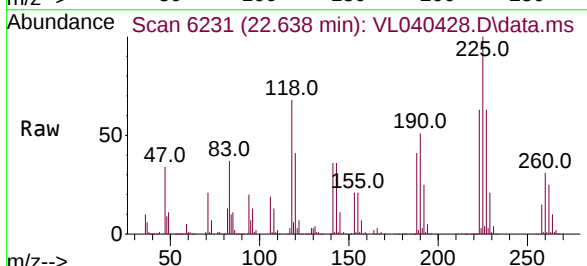
Tgt Ion:225 Resp: 1519278

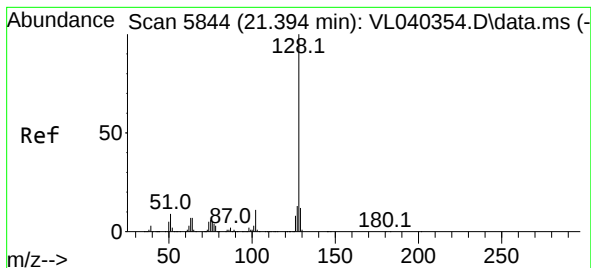
Ion Ratio Lower Upper

225 100

223 62.9 50.7 76.1

227 63.2 51.0 76.4





#79

Naphthalene

Concen: 14.559 ppbv

RT: 21.387 min Scan# 5842

Delta R.T. -0.007 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

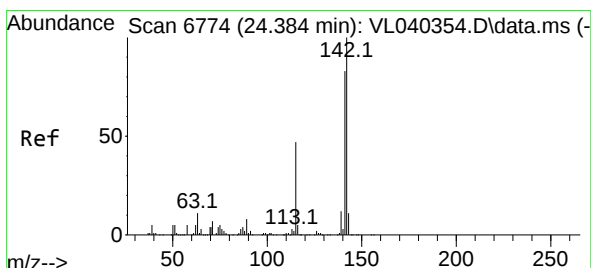
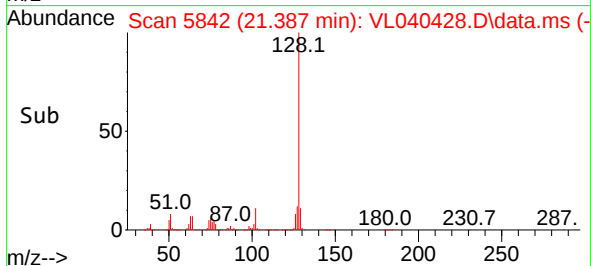
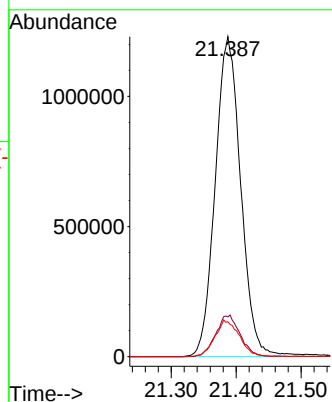
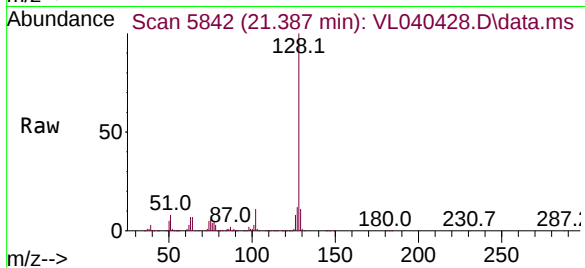
Tgt Ion:128 Resp: 3333344

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.9 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 14.535 ppbv

RT: 24.378 min Scan# 6772

Delta R.T. -0.006 min

Lab File: VL040428.D

Acq: 12 May 2023 22:15

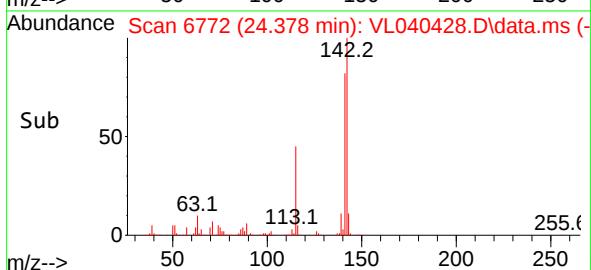
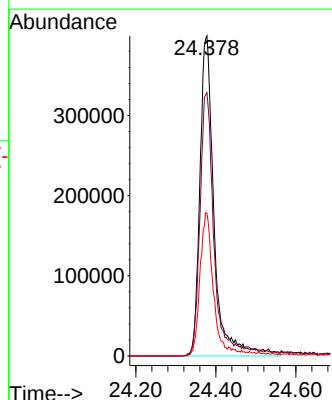
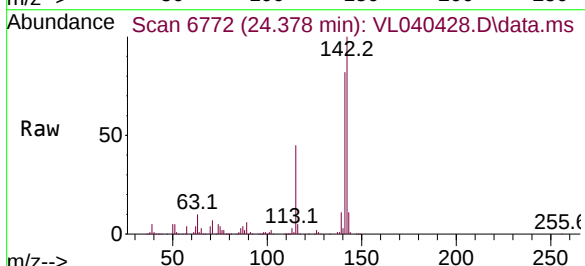
Tgt Ion:142 Resp: 990610

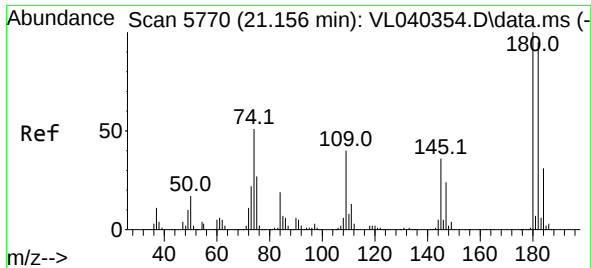
Ion Ratio Lower Upper

142 100

141 83.0 65.1 97.7

115 44.0 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 12.054 ppbv

RT: 21.143 min Scan# 51

Delta R.T. -0.013 min

Lab File: VL040428.D

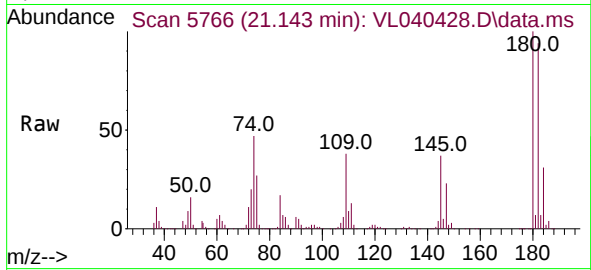
Acq: 12 May 2023 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1696028

Ion Ratio Lower Upper

180 100

182 95.6 77.7 116.5

184 30.7 24.2 36.2

