

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039716.D
 Acq On : 11 Oct 2022 12:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 12 04:40:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	998912	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2567423	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.446	117	2508098m	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1830823	9.778	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	566911	4.895	ppbv	98
3) Chlorodifluoromethane	2.687	51	986913	8.325	ppbv	96
4) Chloromethane	2.825	50	632090	8.836	ppbv	99
5) Vinyl Chloride	2.931	62	529560	8.881	ppbv	99
6) Bromomethane	3.131	94	198010	9.005	ppbv	95
7) Chloroethane	3.208	64	188532	8.646	ppbv	90
8) Dichlorotetrafluoroethane	2.870	85	1013155	7.294	ppbv	94
9) Propene	2.706	41	451033	8.331	ppbv	99
10) Heptane	7.565	43	1173725	9.290	ppbv	99
11) Trichlorofluoromethane	3.571	101	1258140	8.773	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	967041	8.927	ppbv	98
13) Ethanol	3.250	45	51928m	12.588	ppbv	
14) Bromoethene	3.375	108	381092	8.813	ppbv	98
15) Acetone	3.475	43	1018265	9.161	ppbv	99
16) 1,3-Butadiene	2.996	39	511606	9.073	ppbv	100
17) tert-Butyl alcohol	3.883	59	799697	8.017	ppbv	100
18) 1,1-Dichloroethene	3.886	96	424333	8.903	ppbv	95
19) Isopropyl Alcohol	3.581	45	497429	8.779	ppbv	98
20) Methylene Chloride	3.938	84	1066698	20.756	ppbv	97
21) Allyl Chloride	3.999	41	654649	8.649	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	438767	9.306	ppbv	96
23) Vinyl Acetate	4.626	43	444018	8.837	ppbv	98
24) 1,1-Dichloroethane	4.565	63	898940	8.984	ppbv	99
25) Ethyl Acetate	5.205	43	2417029	9.972	ppbv	96
26) Hexane	5.211	57	1311749	12.753	ppbv #	81
27) Carbon Disulfide	4.128	76	1058553	9.793	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	711919	8.239	ppbv	100
29) Chloroform	5.272	83	1303907	8.781	ppbv	98
30) Cyclohexane	6.590	84	696471	8.744	ppbv	91
31) cis-1,2-Dichloroethene	5.076	61	836328	8.990	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	1243116	9.248	ppbv	98
34) 2-Butanone	4.787	43	1066058	8.454	ppbv	97
35) Carbon Tetrachloride	6.484	117	1331147	9.767	ppbv	98
36) Benzene	6.362	78	1813295	9.238	ppbv	97
37) 1,2-Dichloroethane	5.803	62	984522	9.216	ppbv	99
38) Trichloroethene	7.278	130	1039289	9.797	ppbv	97
39) 1,2-Dichloropropane	7.063	63	677807	8.943	ppbv	96
40) 1,4-Dioxane	7.278	88	271310	8.766	ppbv #	1
41) Tetrahydrofuran	5.552	42	722047	9.333	ppbv	96
42) Bromodichloromethane	7.237	83	1400715	9.426	ppbv	100
43) Methyl Methacrylate	7.465	69	702758	9.822	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	3097988	9.157	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	633379	10.475	ppbv	98

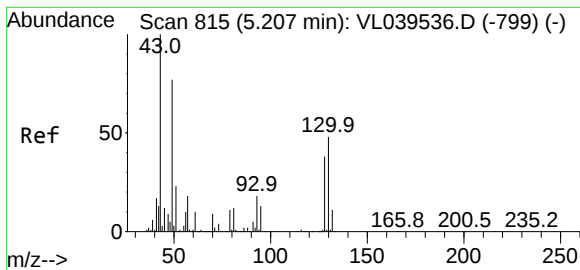
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
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 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	885844	10.291	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	748827	9.038	ppbv	97
48) Dibromochloromethane	9.690	129	1240345	9.942	ppbv	99
49) Bromoform	12.384	173	1034689	10.028	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	1905719	9.617	ppbv	99
51) 2-Hexanone	9.539	43	1455771	9.924	ppbv #	99
52) Tetrachloroethene	10.600	164	681125	9.096	ppbv	94
53) Toluene	9.208	91	2135120	9.780	ppbv	100
54) 1,2-Dibromoethane	9.992	107	854531	9.641	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	910187	8.980	ppbv	96
57) Chlorobenzene	11.507	112	1644523	8.917	ppbv	98
58) Ethyl Benzene	12.069	91	2782753	9.623	ppbv	99
59) m/p-Xylene	12.352	91	4767255m	18.524	ppbv	
60) o-Xylene	13.040	91	2312632	9.410	ppbv	99
61) Styrene	12.880	104	1374464	10.384	ppbv	98
62) Isopropylbenzene	14.011	105	3333170	9.013	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.027	83	867111	8.845	ppbv	99
64) n-propylbenzene	14.896	120	867217	9.157	ppbv	95
65) tert-Butylbenzene	16.072	119	2954983	9.044	ppbv	100
66) Benzyl Chloride	16.304	91	227371	8.740	ppbv	98
67) sec-Butylbenzene	16.616	105	4134407	9.022	ppbv	98
69) p-Isopropyltoluene	16.979	119	3406361	9.046	ppbv	99
70) n-Butylbenzene	17.866	91	3375740	9.145	ppbv	99
71) 2-Chlorotoluene	14.783	91	2449738	9.175	ppbv	99
72) 4-Ethyltoluene	15.172	105	2630448	9.375	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	2386285	9.295	ppbv	97
74) 1,2,4-Trimethylbenzene	16.088	105	2577212	8.956	ppbv	97
75) 1,3-Dichlorobenzene	16.310	146	1546029	9.004	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	1466931	8.540	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1455755	8.694	ppbv	100
78) Hexachloro-1,3-Butadiene	22.606	225	1001895	7.831	ppbv	99
79) Naphthalene	21.355	128	1888195	9.942	ppbv	98
80) Naphthalene,2-methyl-	24.358	142	671168	9.399	ppbv	98
81) 1,2,4-Trichlorobenzene	21.114	180	1085071	8.699	ppbv	99

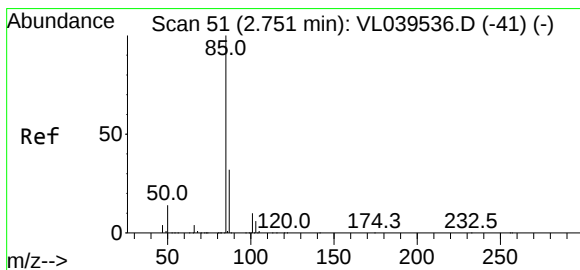
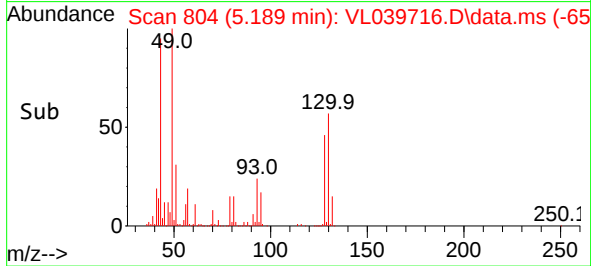
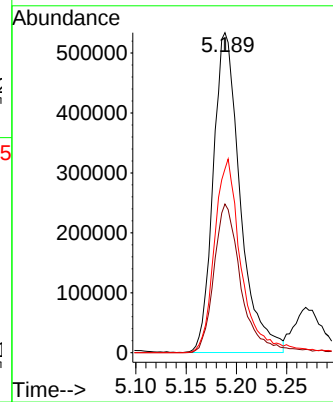
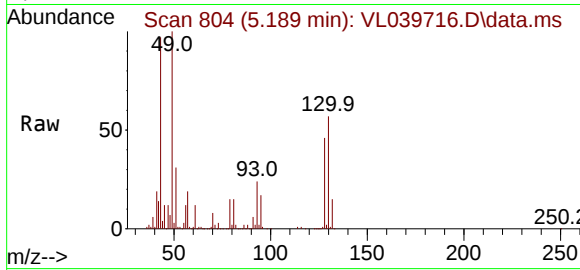
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 804
 Delta R.T. -0.018 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

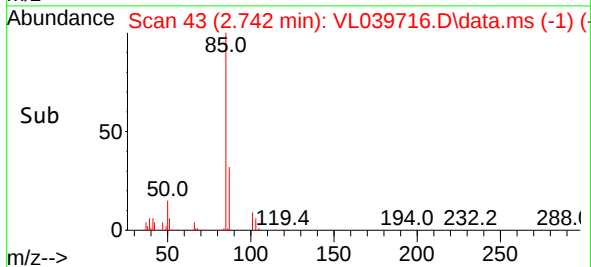
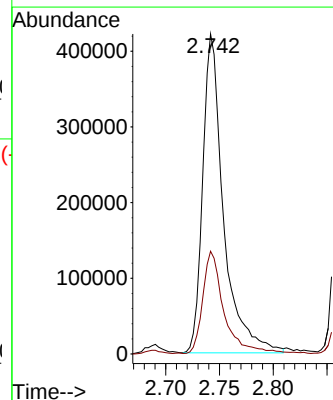
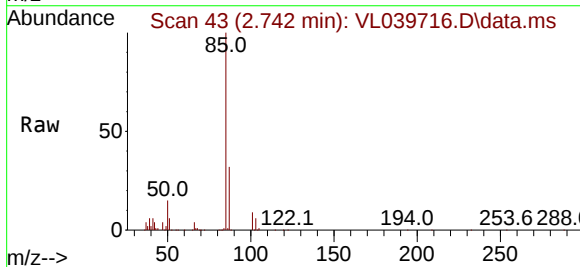
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

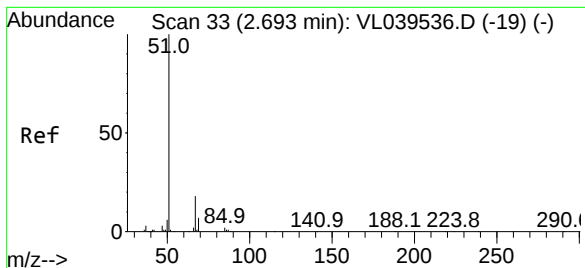
Tgt Ion: 49 Resp: 998912
 Ion Ratio Lower Upper
 49 100
 128 47.2 26.7 80.0
 130 61.1 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 4.895 ppbv
 RT: 2.742 min Scan# 43
 Delta R.T. -0.009 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Tgt Ion: 85 Resp: 566911
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.7 40.1

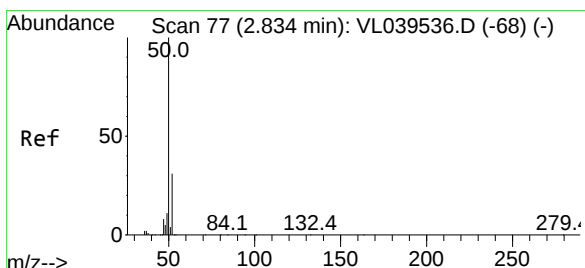
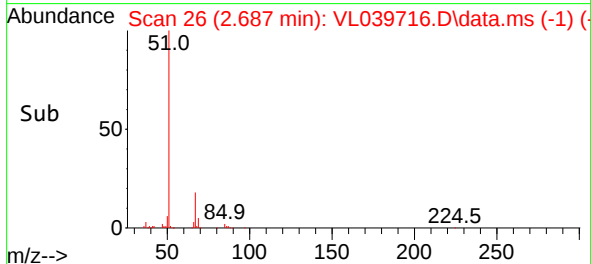
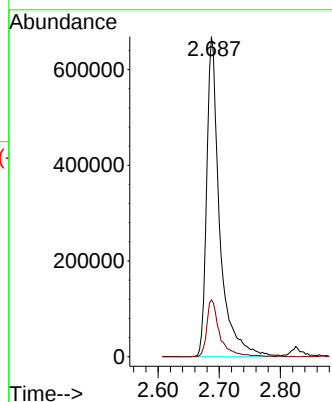
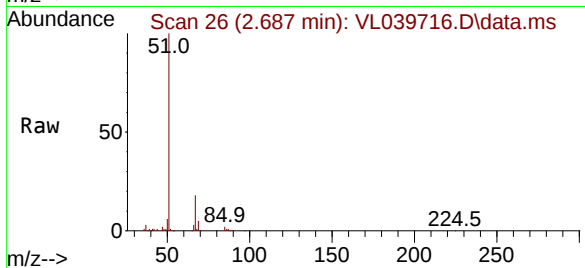




#3
Chlorodifluoromethane
Concen: 8.325 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

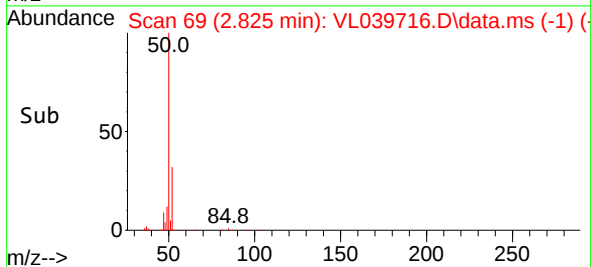
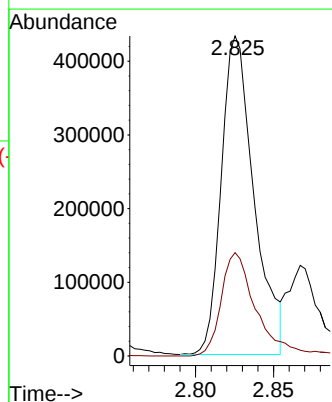
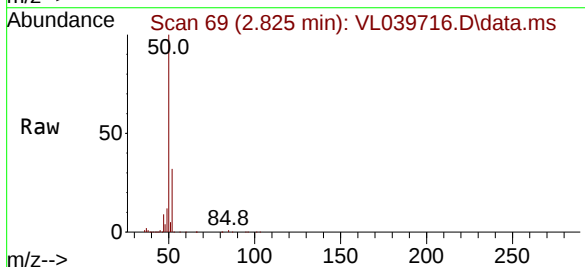
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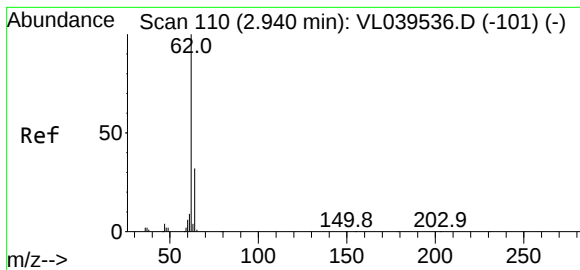
Tgt Ion: 51 Resp: 986913
Ion Ratio Lower Upper
51 100
67 17.9 15.7 23.5



#4
Chloromethane
Concen: 8.836 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 50 Resp: 632090
Ion Ratio Lower Upper
50 100
52 32.5 26.5 39.7

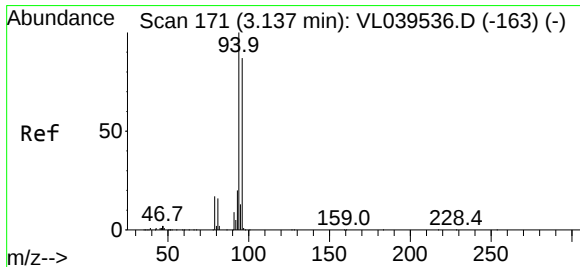
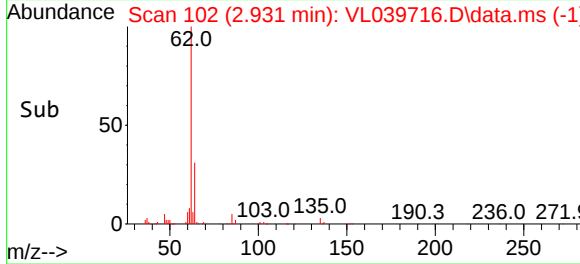
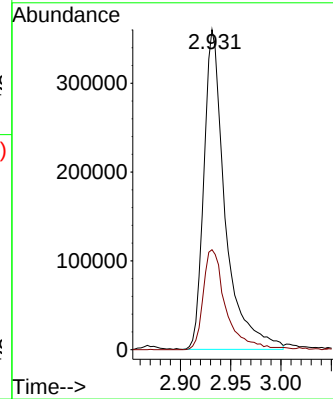
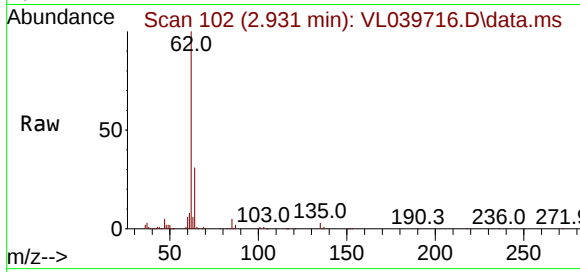




#5
 Vinyl Chloride
 Concen: 8.881 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. -0.009 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

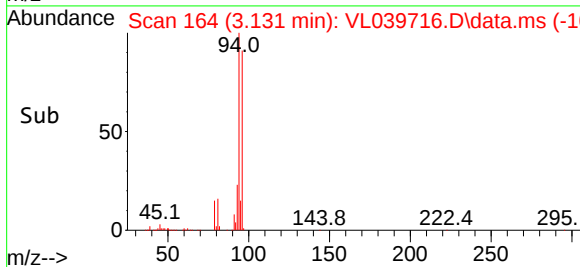
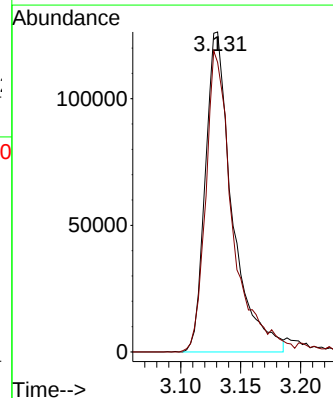
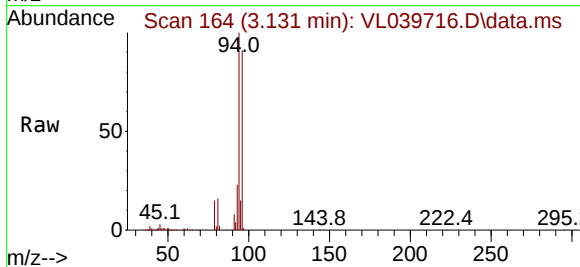
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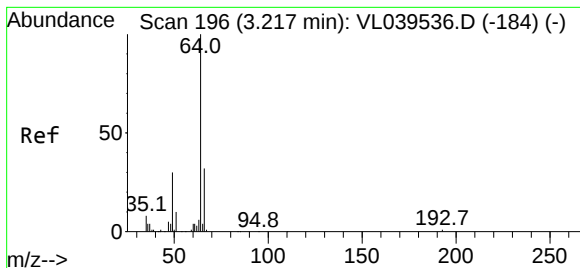
Tgt Ion: 62 Resp: 529560
 Ion Ratio Lower Upper
 62 100
 64 31.3 24.6 36.8



#6
 Bromomethane
 Concen: 9.005 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. -0.006 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Tgt Ion: 94 Resp: 198010
 Ion Ratio Lower Upper
 94 100
 96 90.1 75.6 113.4

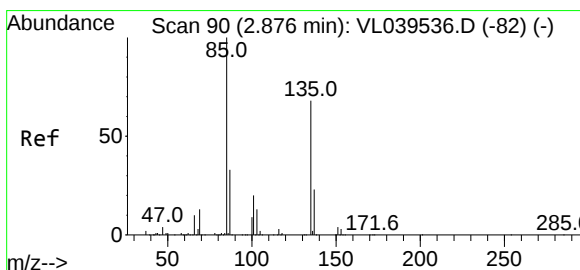
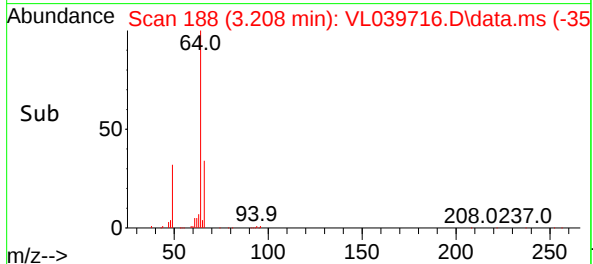
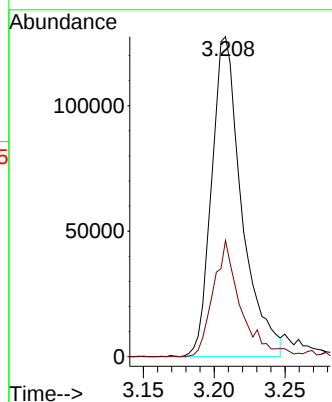
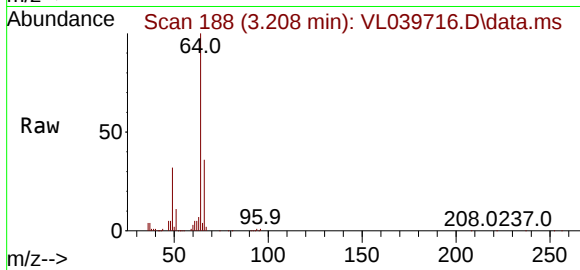




#7
Chloroethane
Concen: 8.646 ppbv
RT: 3.208 min Scan# 11
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

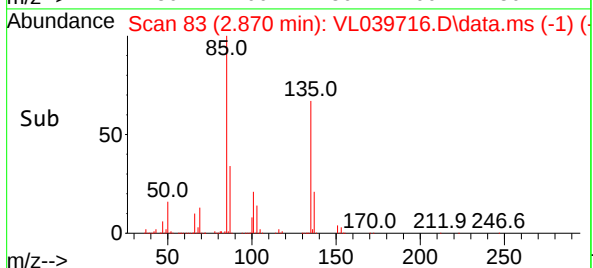
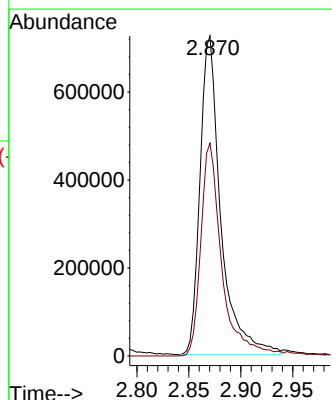
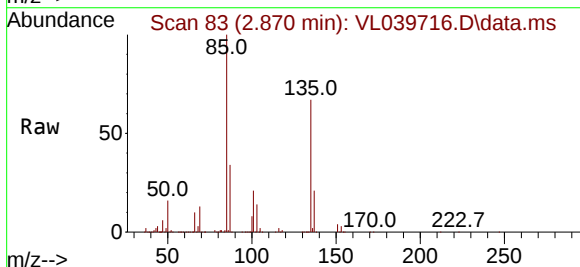
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 188532
Ion Ratio Lower Upper
64 100
66 36.3 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 7.294 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 85 Resp: 1013155
Ion Ratio Lower Upper
85 100
135 68.5 59.0 88.4





#9

Propene

Concen: 8.331 ppbv

RT: 2.706 min Scan# 31

Delta R.T. -0.009 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

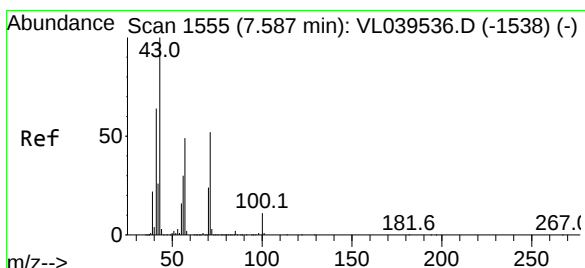
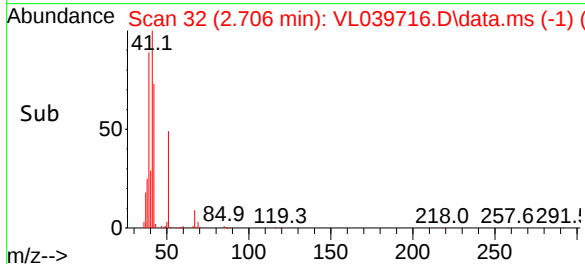
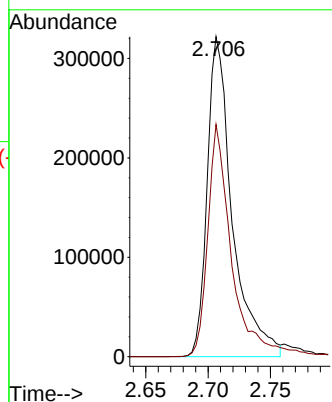
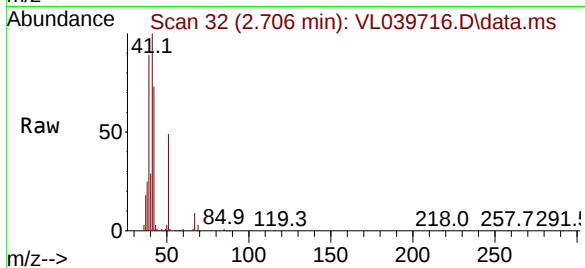
VSTDCCC010EC

Tgt Ion: 41 Resp: 451033

Ion Ratio Lower Upper

41 100

42 70.1 55.2 82.8



#10

Heptane

Concen: 9.290 ppbv

RT: 7.565 min Scan# 1543

Delta R.T. -0.022 min

Lab File: VL039716.D

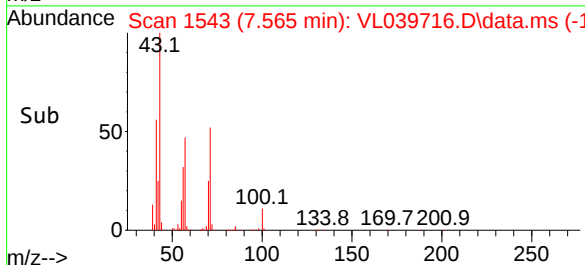
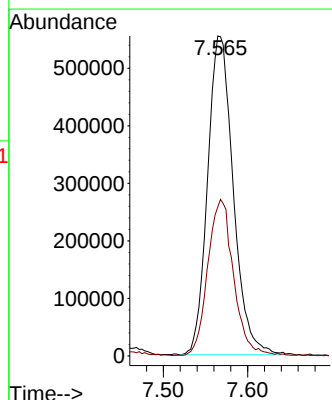
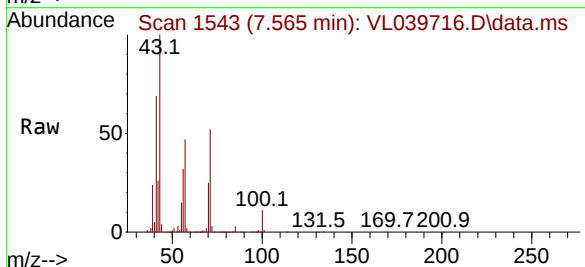
Acq: 11 Oct 2022 12:02

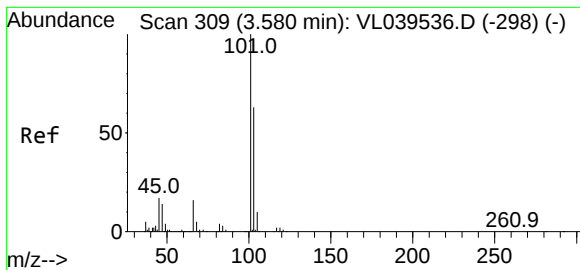
Tgt Ion: 43 Resp: 1173725

Ion Ratio Lower Upper

43 100

57 50.0 40.5 60.7

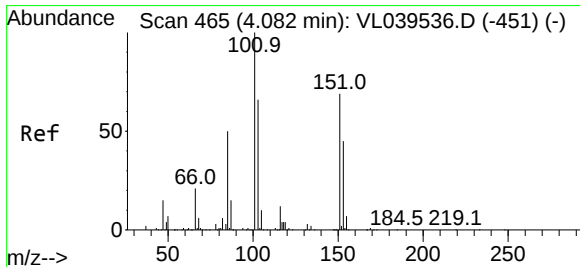
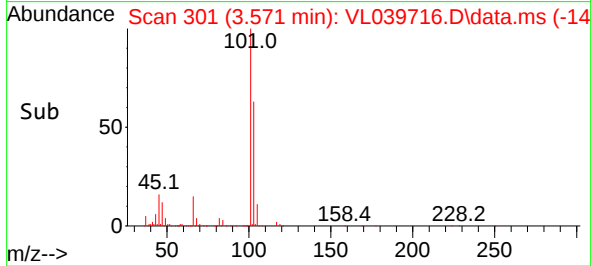
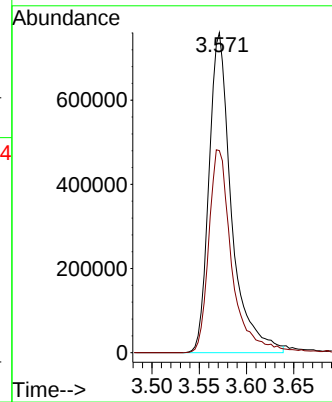
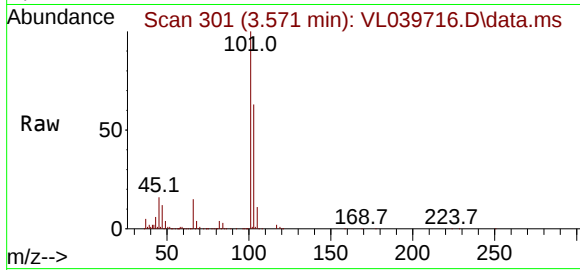




#11
Trichlorofluoromethane
Concen: 8.773 ppbv
RT: 3.571 min Scan# 309
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

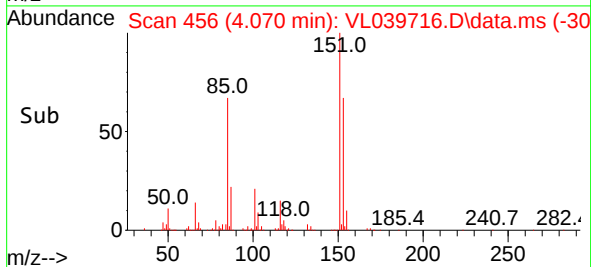
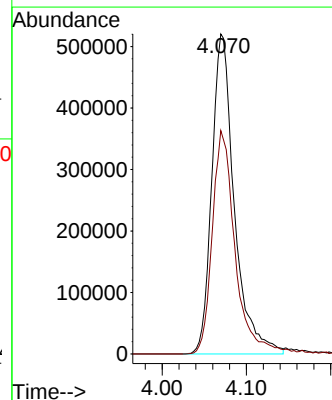
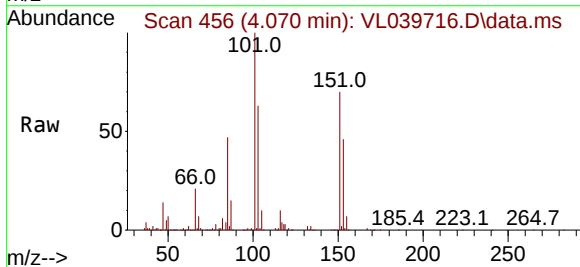
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

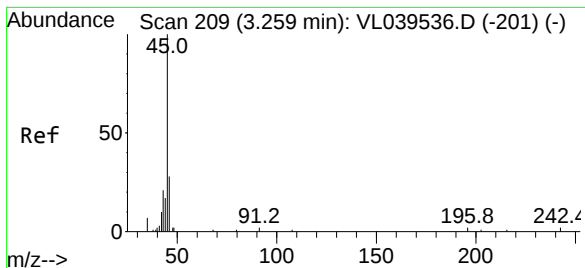
Tgt Ion:101 Resp: 1258140
Ion Ratio Lower Upper
101 100
103 63.2 51.8 77.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.927 ppbv
RT: 4.070 min Scan# 456
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion:101 Resp: 967041
Ion Ratio Lower Upper
101 100
151 71.6 58.9 88.3

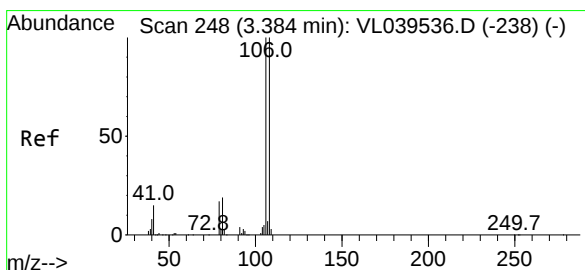
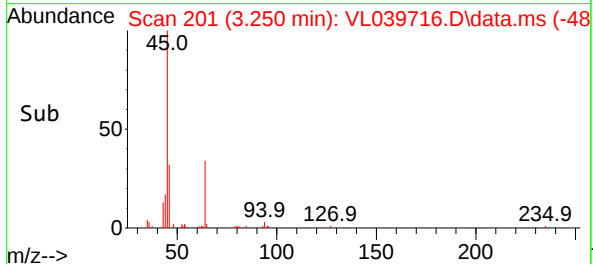
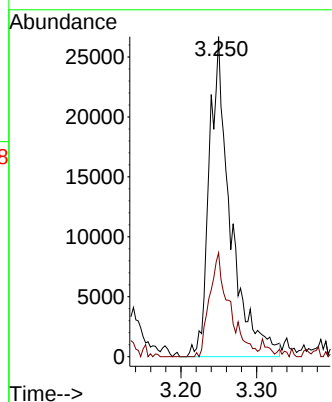
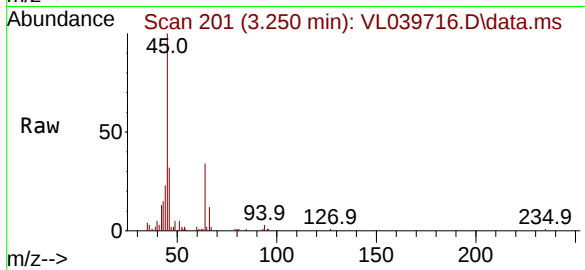




#13
Ethanol
Concen: 12.588 ppbv m
RT: 3.250 min Scan# 209
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

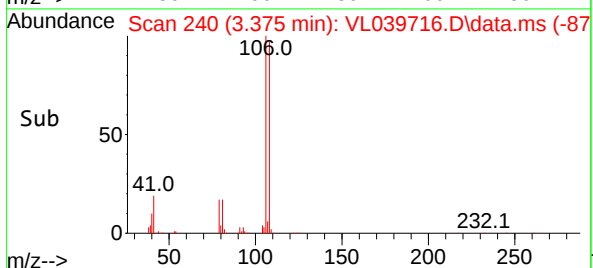
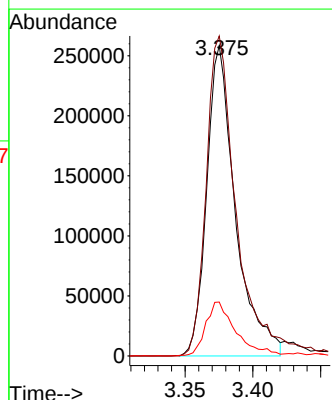
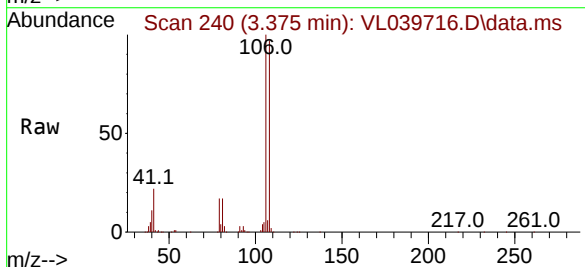
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

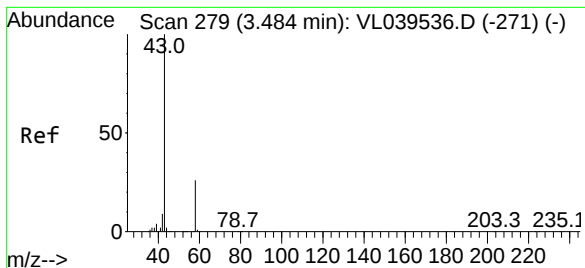
Tgt Ion: 45 Resp: 51928
Ion Ratio Lower Upper
45 100
46 30.5 22.8 91.2



#14
Bromoethene
Concen: 8.813 ppbv
RT: 3.375 min Scan# 240
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 108 Resp: 381092
Ion Ratio Lower Upper
108 100
106 111.3 87.1 130.7
79 19.6 14.6 22.0





#15

Acetone

Concen: 9.161 ppbv

RT: 3.475 min Scan# 21

Delta R.T. -0.009 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

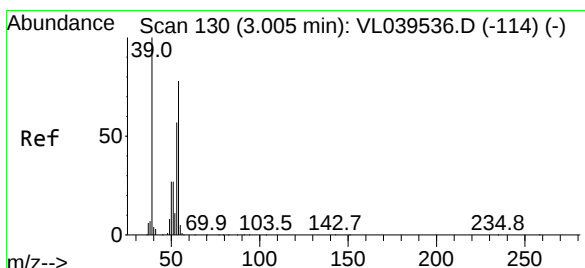
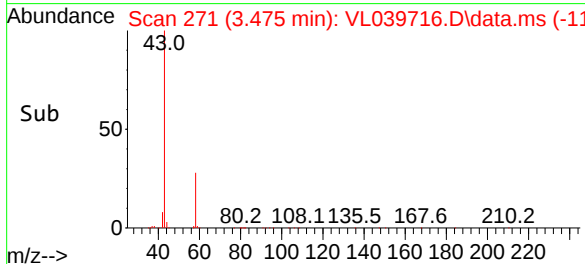
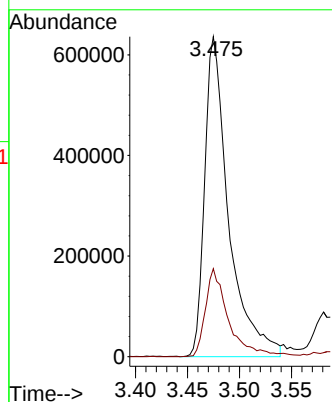
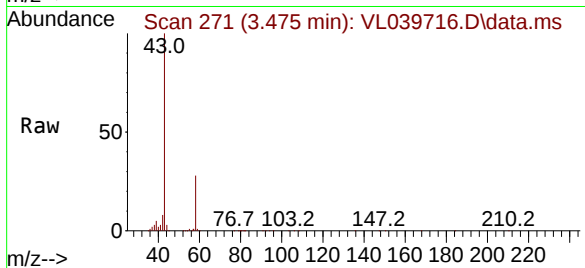
VSTDCCC010EC

Tgt Ion: 43 Resp: 1018265

Ion Ratio Lower Upper

43 100

58 26.6 21.0 31.6



#16

1,3-Butadiene

Concen: 9.073 ppbv

RT: 2.996 min Scan# 122

Delta R.T. -0.009 min

Lab File: VL039716.D

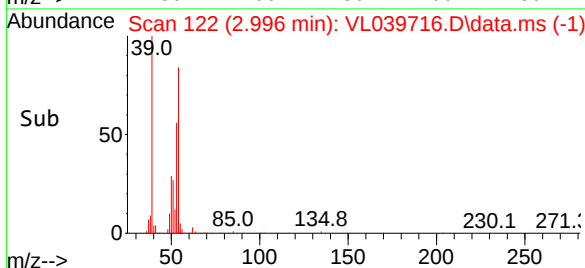
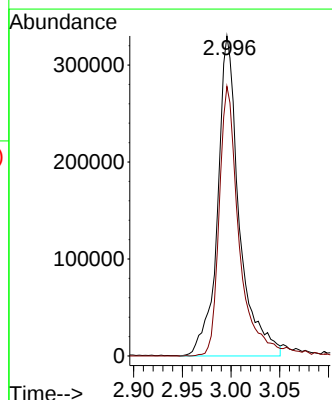
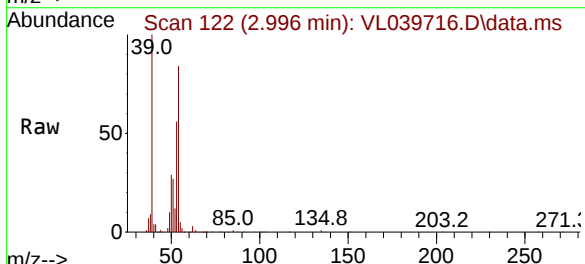
Acq: 11 Oct 2022 12:02

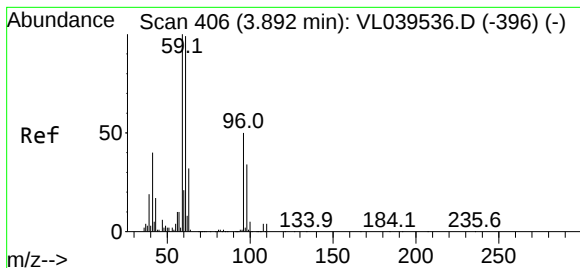
Tgt Ion: 39 Resp: 511606

Ion Ratio Lower Upper

39 100

54 79.7 63.7 95.5

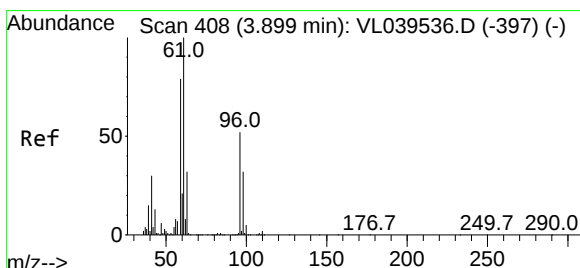
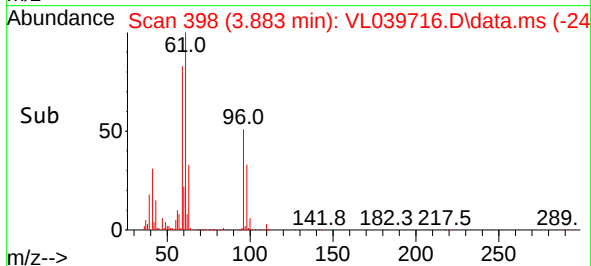
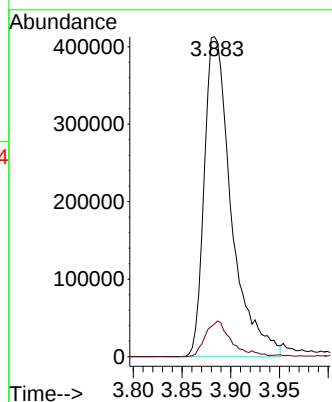
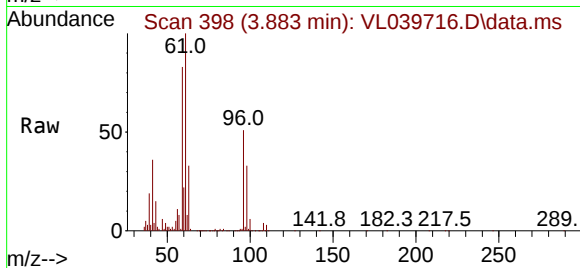




#17
tert-Butyl alcohol
Concen: 8.017 ppbv
RT: 3.883 min Scan# 398
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

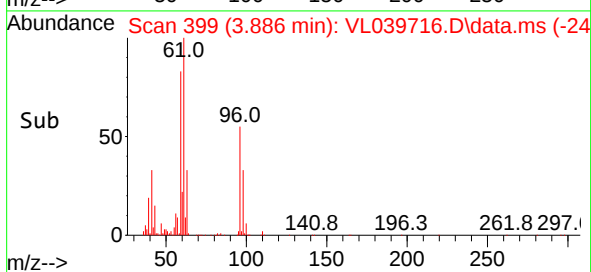
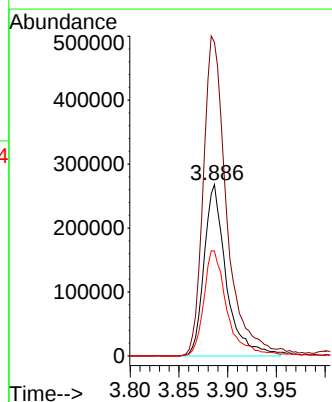
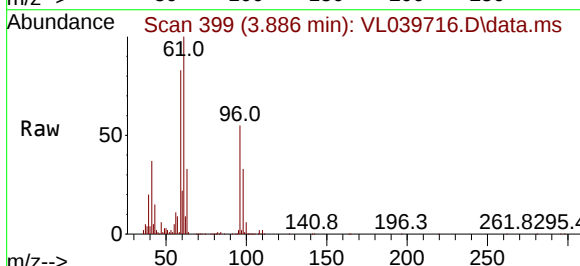
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

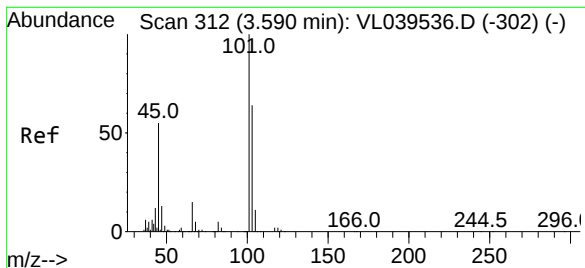
Tgt Ion: 59 Resp: 799697
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1



#18
1,1-Dichloroethene
Concen: 8.903 ppbv
RT: 3.886 min Scan# 399
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 96 Resp: 424333
Ion Ratio Lower Upper
96 100
61 182.9 152.2 228.4
98 61.2 51.8 77.6

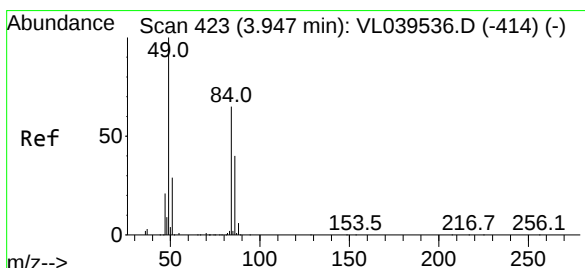
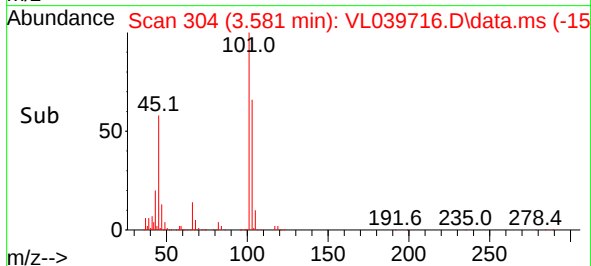
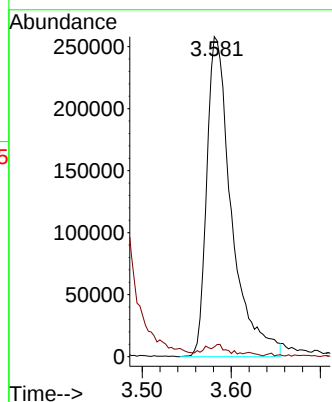
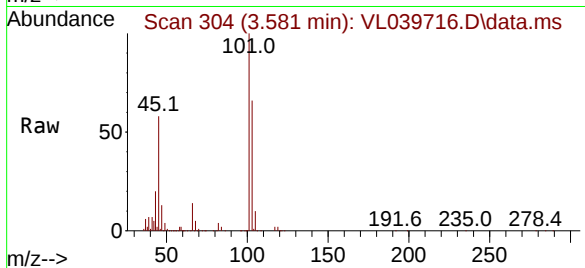




#19
Isopropyl Alcohol
Concen: 8.779 ppbv
RT: 3.581 min Scan# 304
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

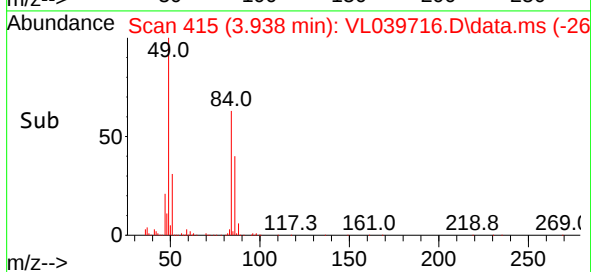
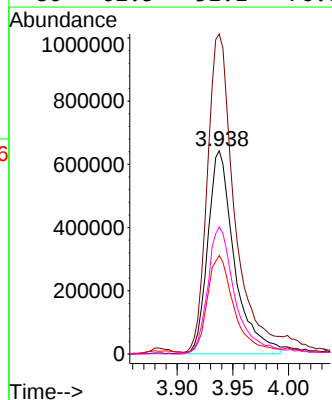
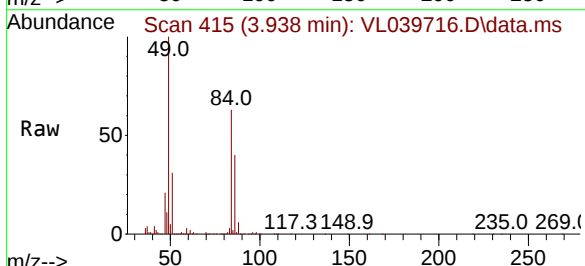
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

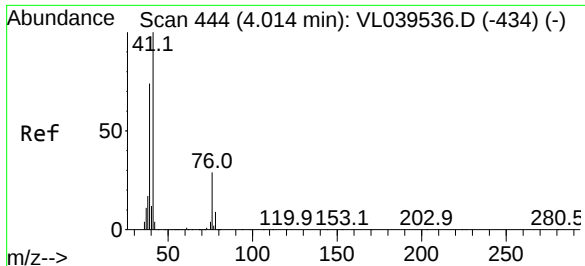
Tgt Ion: 45 Resp: 497429
Ion Ratio Lower Upper
45 100
58 4.6 3.2 4.8



#20
Methylene Chloride
Concen: 20.756 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 84 Resp: 1066698
Ion Ratio Lower Upper
84 100
49 156.7 123.1 184.7
51 47.6 34.4 51.6
86 62.5 51.1 76.7

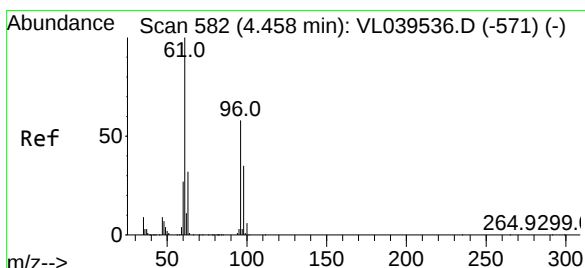
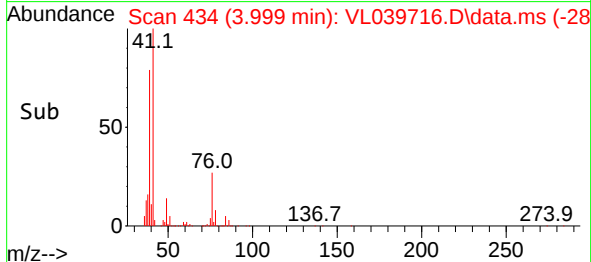
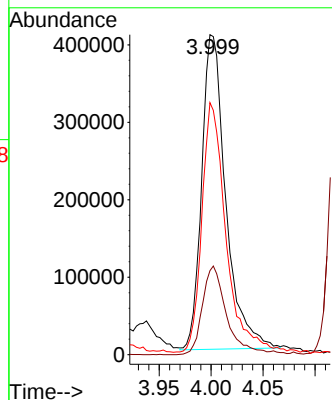
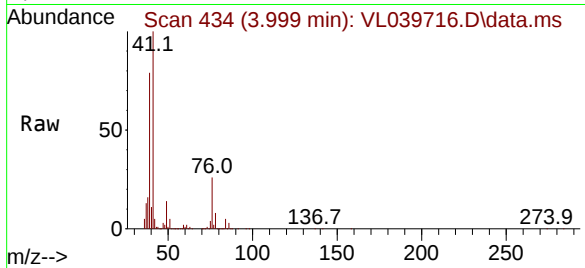




#21
 Allyl Chloride
 Concen: 8.649 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. -0.015 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

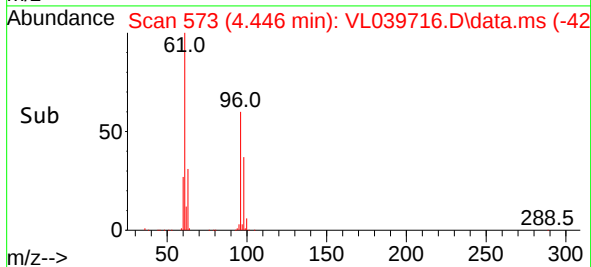
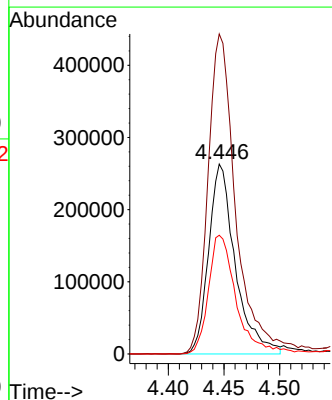
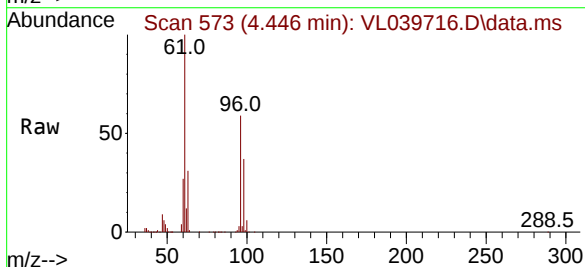
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

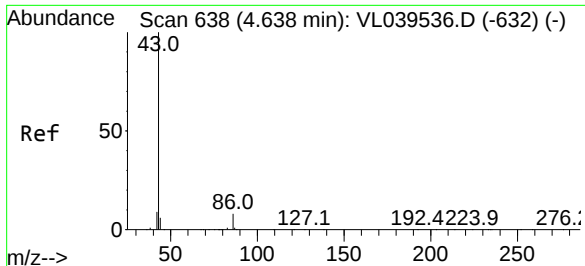
Tgt Ion: 41	Resp: 654649
Ion Ratio	Lower Upper
41	100
76	28.8 24.4 36.6
39	81.4 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.306 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. -0.012 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Tgt Ion: 96	Resp: 438767
Ion Ratio	Lower Upper
96	100
61	168.5 130.6 195.8
98	62.5 53.4 80.0



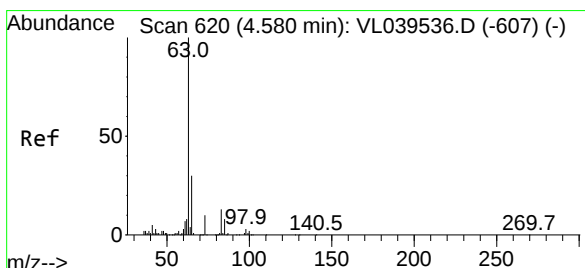
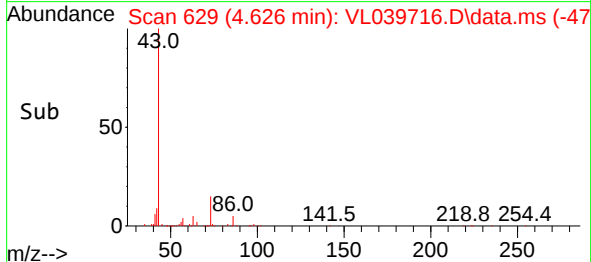
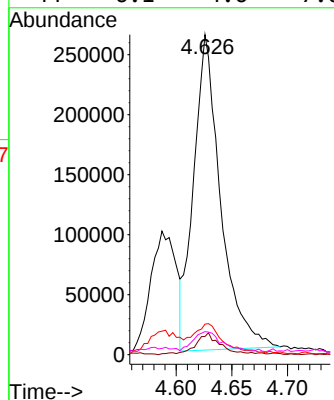
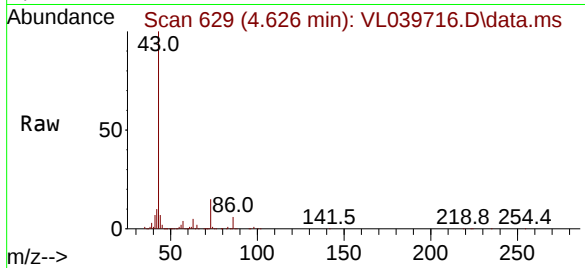


#23
 Vinyl Acetate
 Concen: 8.837 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. -0.012 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 444018

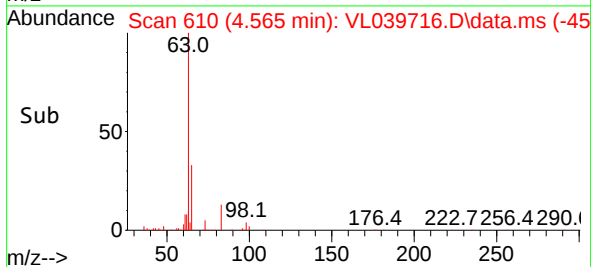
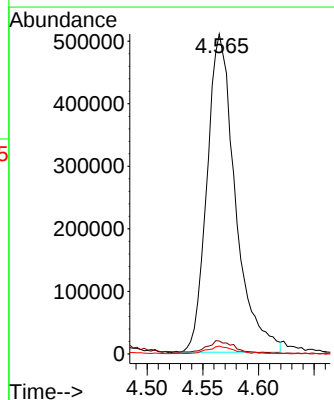
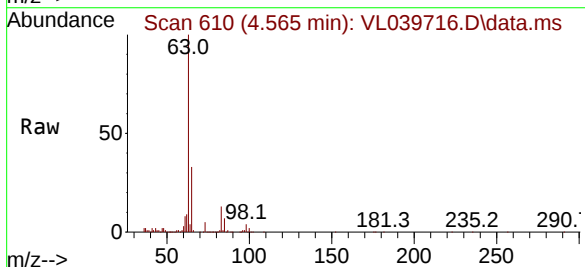
Ion	Ratio	Lower	Upper
43	100		
86	5.5	5.0	7.6
42	8.9	7.7	11.5
44	6.1	4.6	7.0

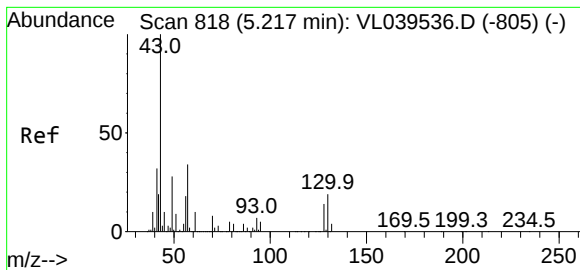


#24
 1,1-Dichloroethane
 Concen: 8.984 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. -0.015 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Tgt Ion: 63 Resp: 898940

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.3
100	2.4	1.5	4.4



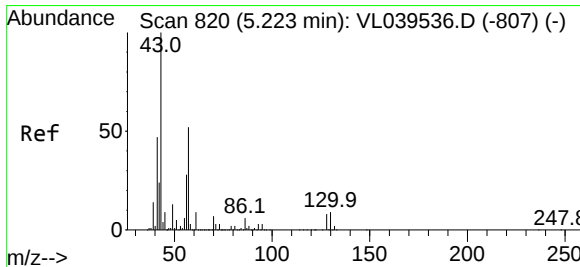
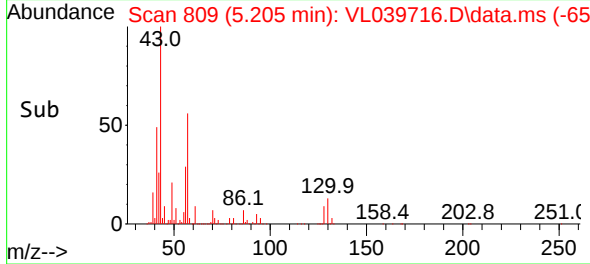
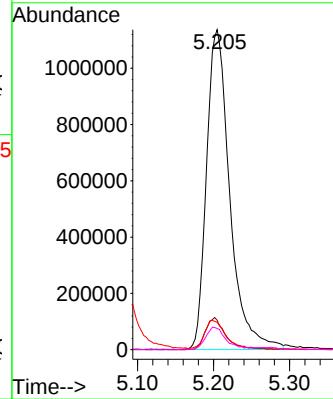
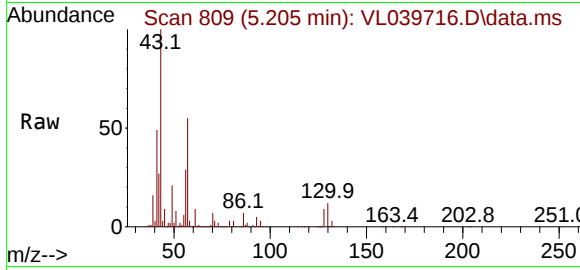


#25
Ethyl Acetate
Concen: 9.972 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2417029

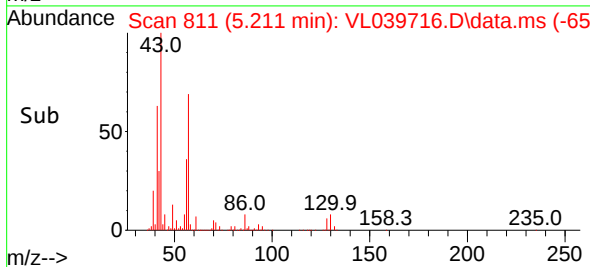
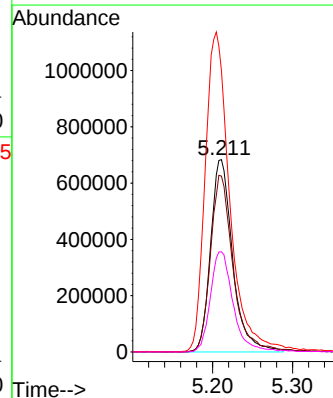
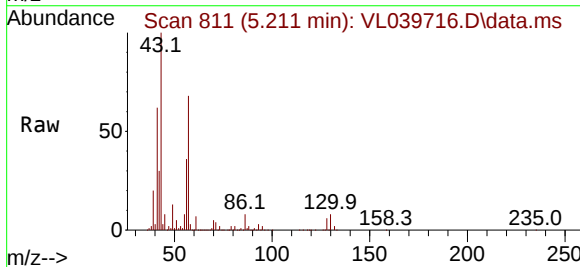
Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.2	12.4
61	8.4	8.3	12.5
70	6.2	5.9	8.9

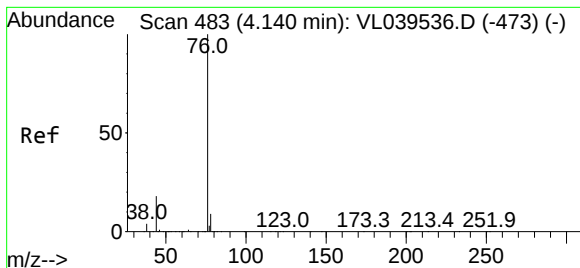


#26
Hexane
Concen: 12.753 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 57 Resp: 1311749

Ion	Ratio	Lower	Upper
57	100		
41	94.4	76.9	115.3
43	187.0	191.0	286.6#
56	54.1	43.2	64.8

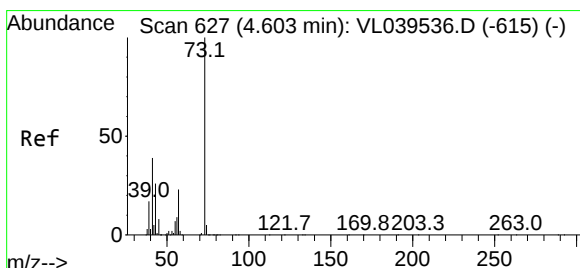
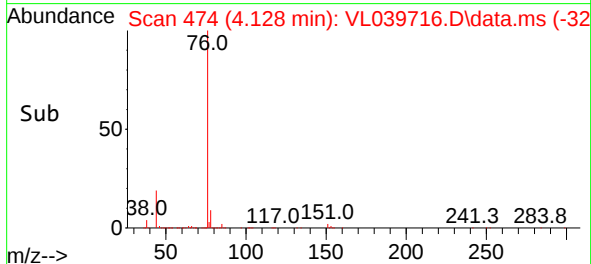
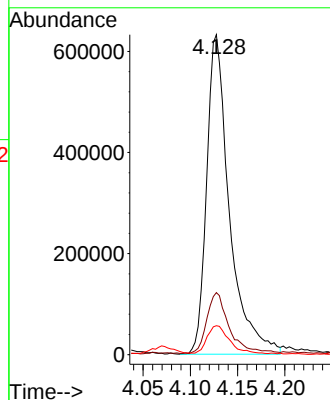
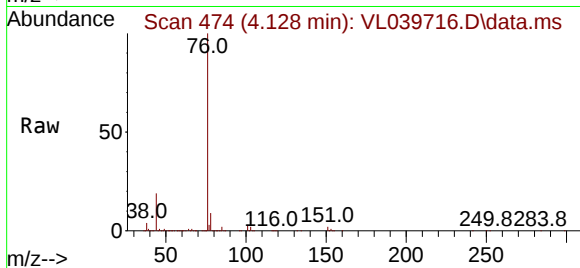




#27
Carbon Disulfide
Concen: 9.793 ppbv
RT: 4.128 min Scan# 41
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

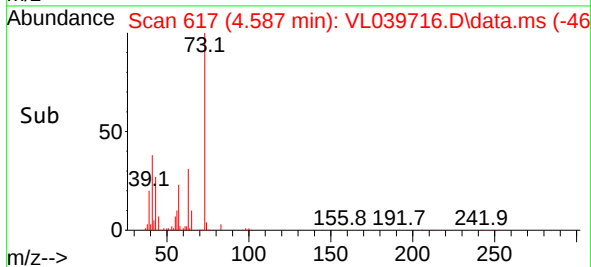
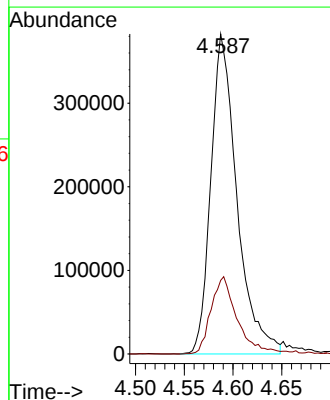
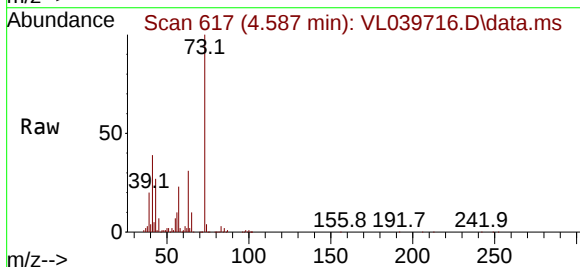
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

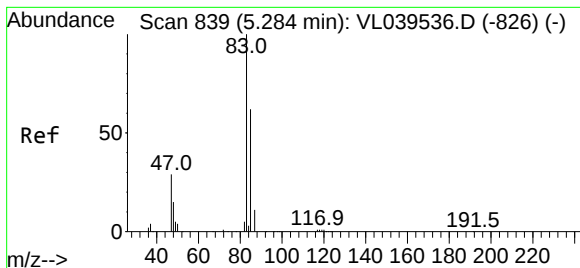
Tgt Ion: 76 Resp: 1058553
Ion Ratio Lower Upper
76 100
44 19.7 14.6 21.8
78 9.9 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 8.239 ppbv
RT: 4.587 min Scan# 617
Delta R.T. -0.015 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 73 Resp: 711919
Ion Ratio Lower Upper
73 100
57 25.0 19.8 29.8

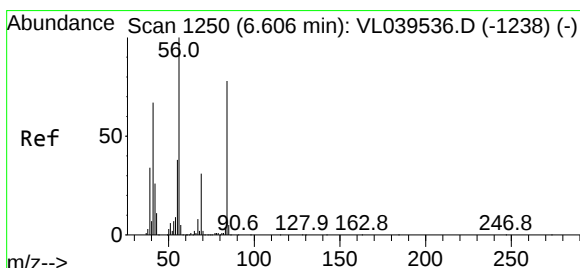
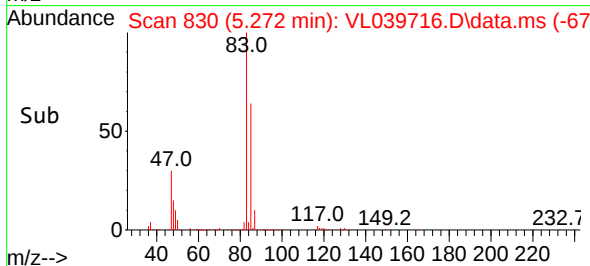
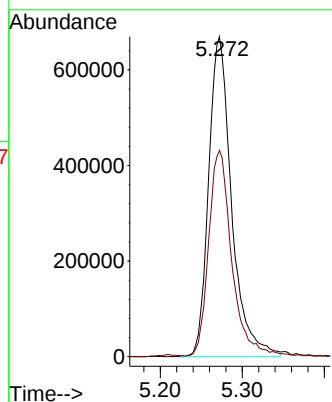
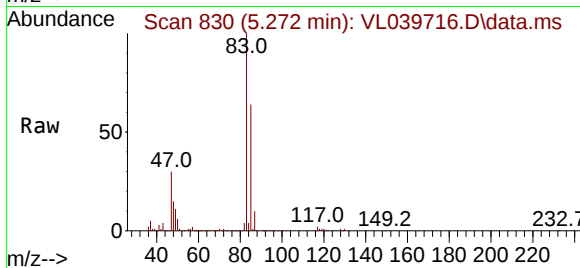




#29
Chloroform
Concen: 8.781 ppbv
RT: 5.272 min Scan# 81
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

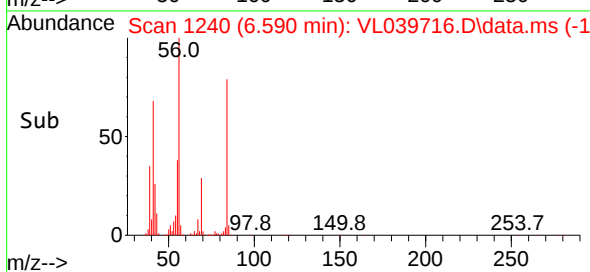
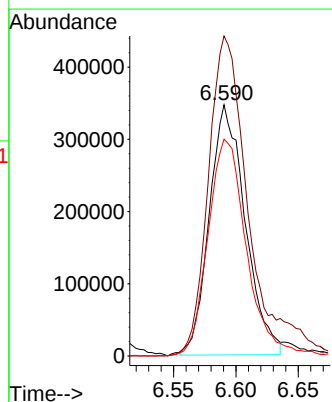
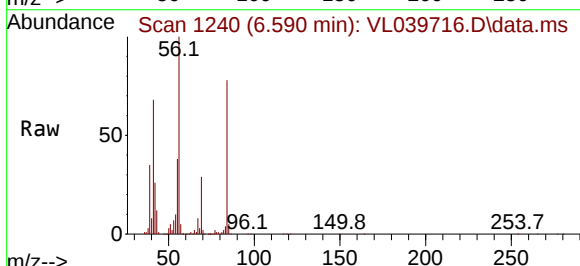
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

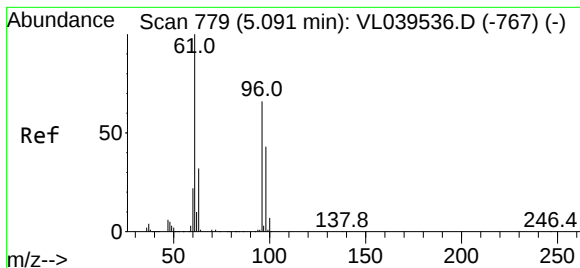
Tgt Ion: 83 Resp: 1303907
Ion Ratio Lower Upper
83 100
85 64.0 52.8 79.2



#30
Cyclohexane
Concen: 8.744 ppbv
RT: 6.590 min Scan# 1240
Delta R.T. -0.015 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 84 Resp: 696471
Ion Ratio Lower Upper
84 100
56 144.5 107.7 161.5
41 93.4 67.7 101.5

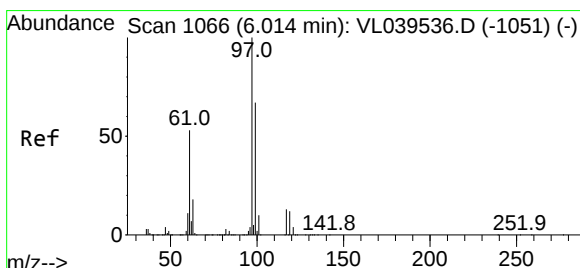
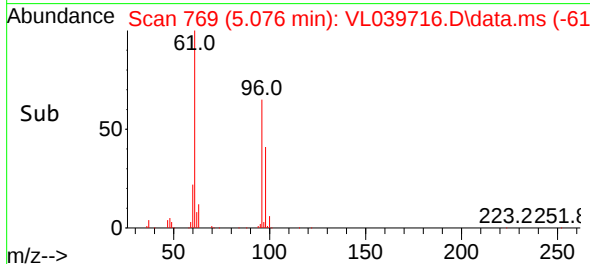
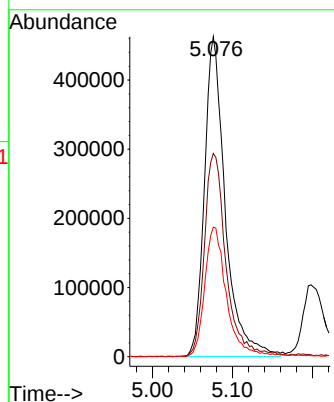
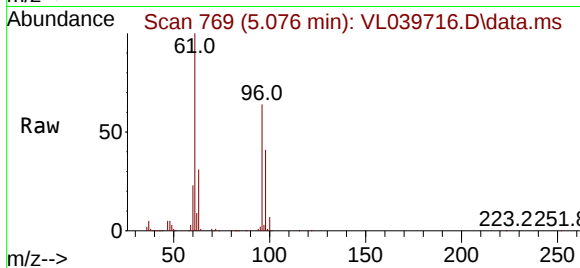




#31
 cis-1,2-Dichloroethene
 Concen: 8.990 ppbv
 RT: 5.076 min Scan# 70
 Delta R.T. -0.015 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

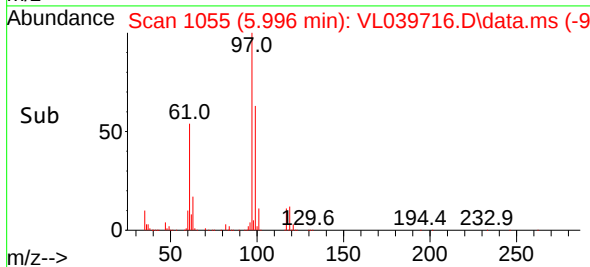
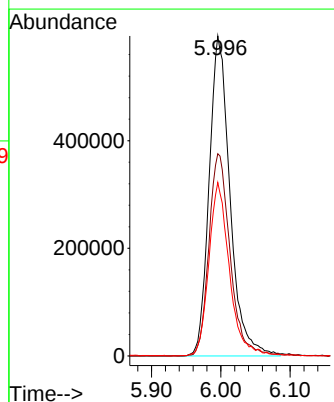
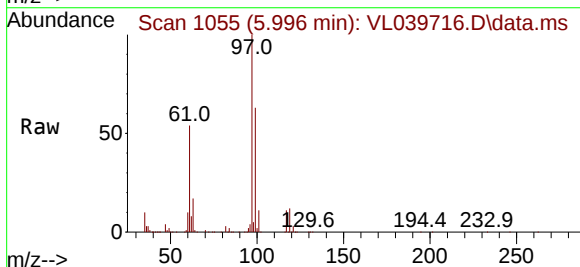
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

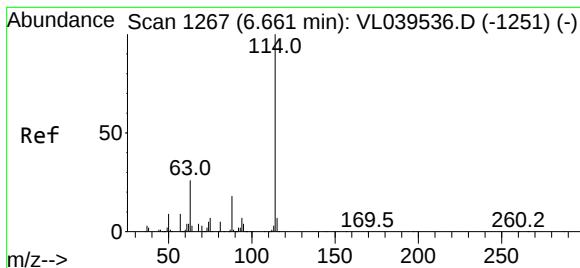
Tgt Ion: 61 Resp: 836328
 Ion Ratio Lower Upper
 61 100
 96 63.4 54.1 81.1
 98 40.5 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 9.248 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.019 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Tgt Ion: 97 Resp: 1243116
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.3 78.5
 61 53.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.015 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

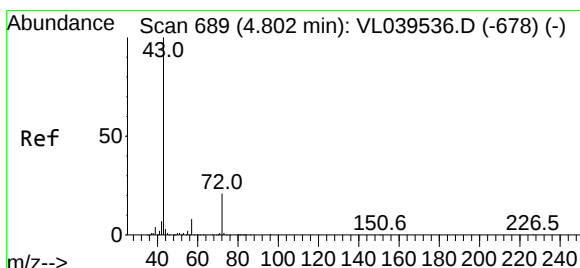
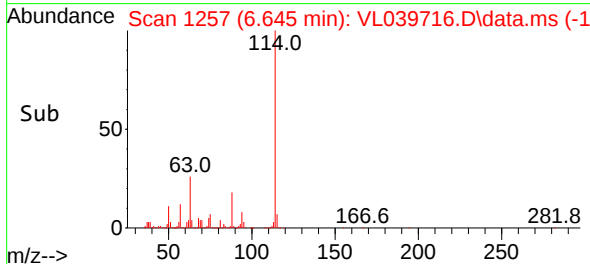
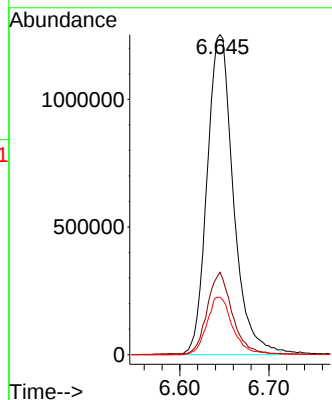
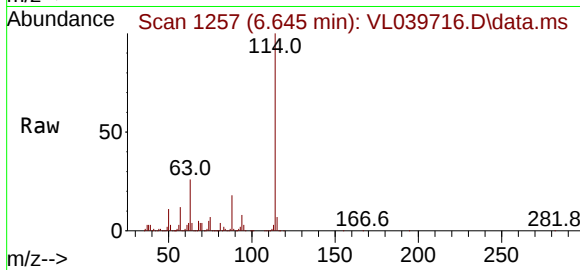
Tgt Ion:114 Resp: 2567423

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.4

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 8.454 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.015 min

Lab File: VL039716.D

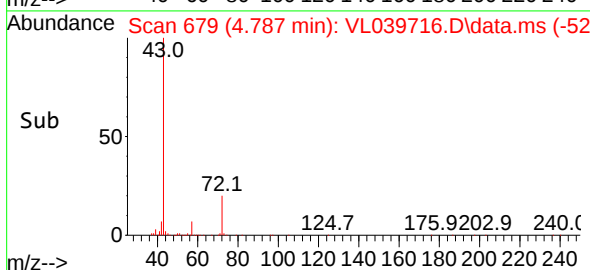
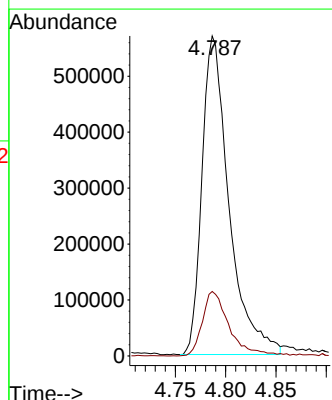
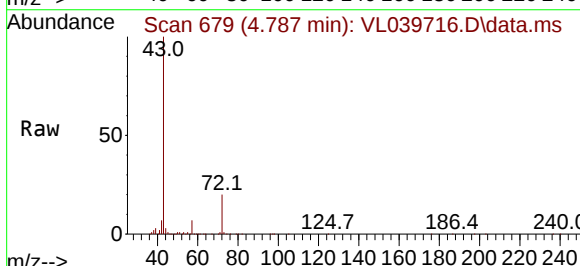
Acq: 11 Oct 2022 12:02

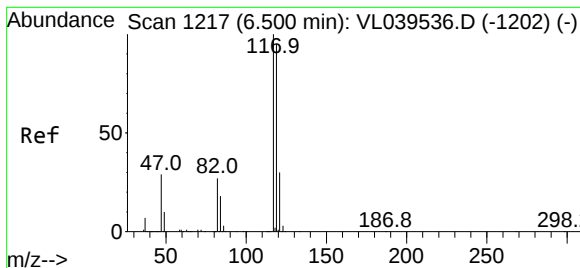
Tgt Ion: 43 Resp: 1066058

Ion Ratio Lower Upper

43 100

72 20.7 17.9 26.9

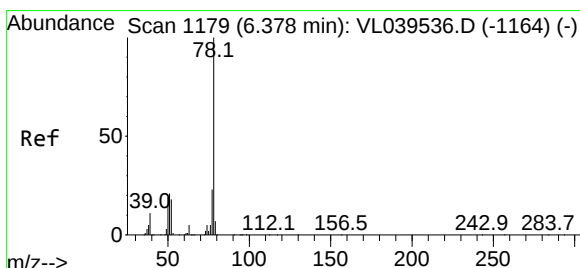
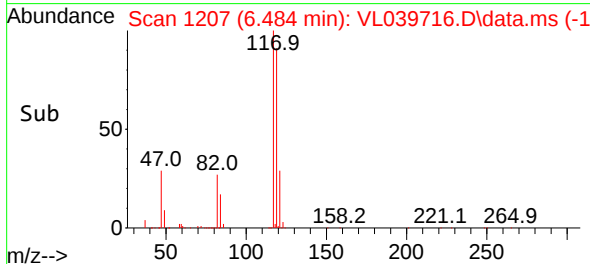
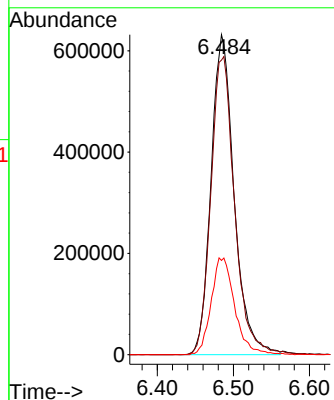
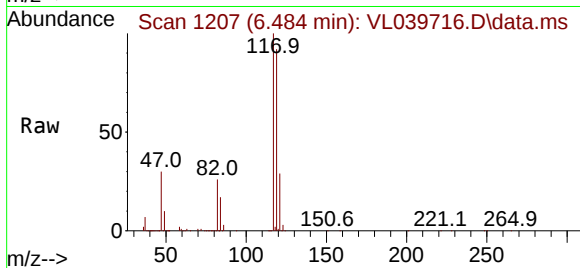




#35
Carbon Tetrachloride
Concen: 9.767 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. -0.015 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

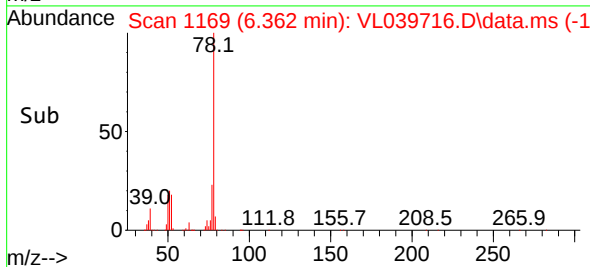
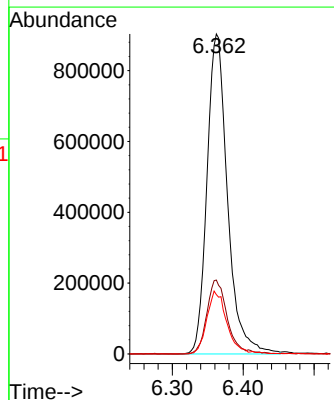
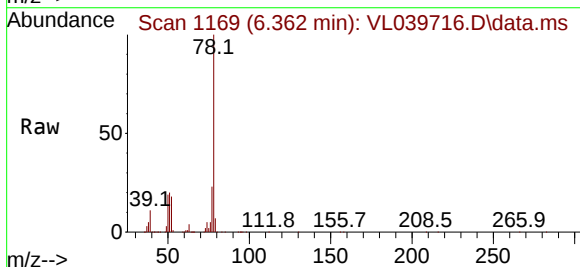
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

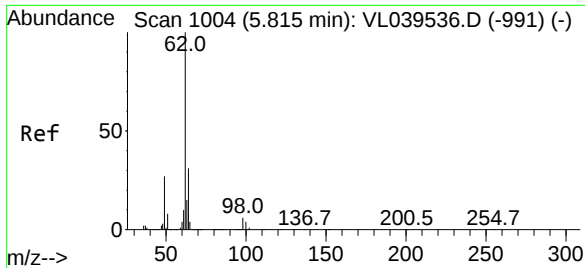
Tgt Ion:117 Resp: 1331147
Ion Ratio Lower Upper
117 100
119 92.0 75.4 113.2
121 29.4 24.2 36.2



#36
Benzene
Concen: 9.238 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.015 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 78 Resp: 1813295
Ion Ratio Lower Upper
78 100
77 23.1 20.3 30.5
50 18.6 15.5 23.3

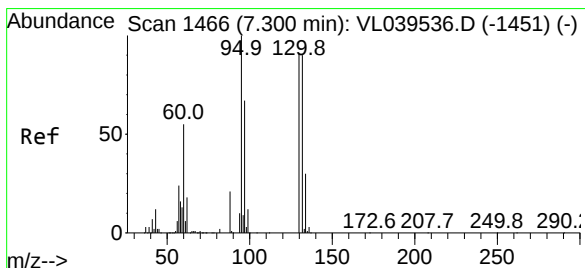
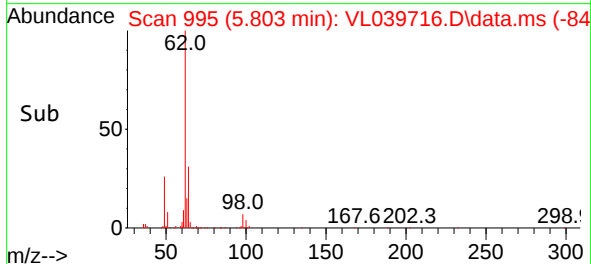
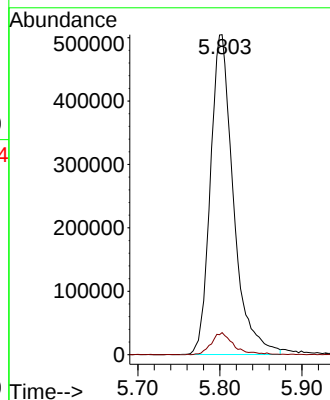
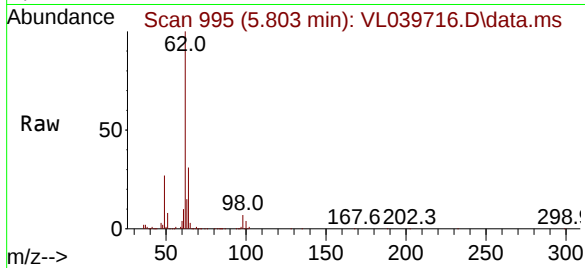




#37
1,2-Dichloroethane
Concen: 9.216 ppbv
RT: 5.803 min Scan# 91
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

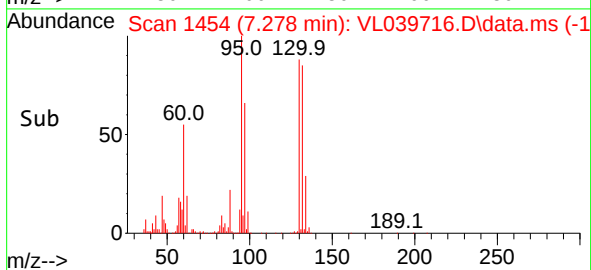
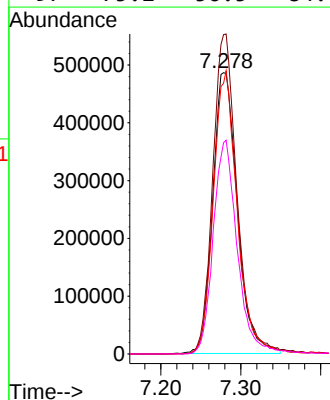
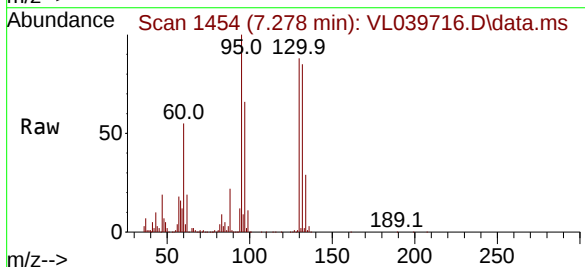
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

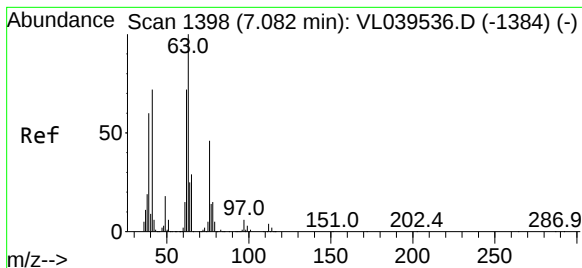
Tgt Ion: 62 Resp: 984522
Ion Ratio Lower Upper
62 100
98 6.8 5.1 7.7



#38
Trichloroethene
Concen: 9.797 ppbv
RT: 7.278 min Scan# 1454
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion:130 Resp: 1039289
Ion Ratio Lower Upper
130 100
95 113.6 87.3 130.9
132 96.3 76.7 115.1
97 75.2 56.5 84.7

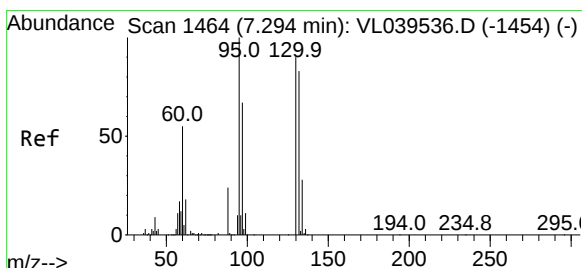
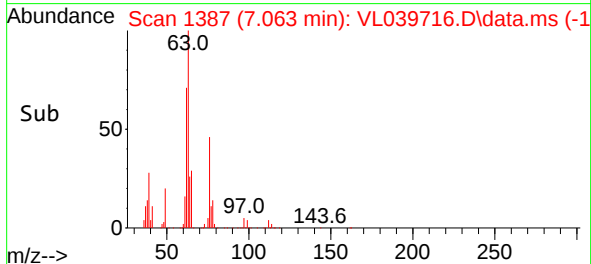
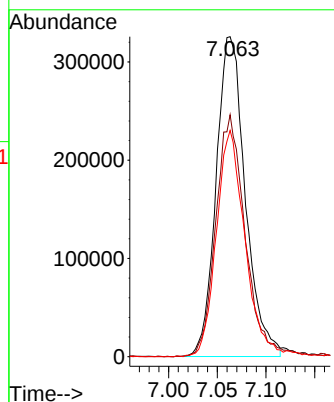
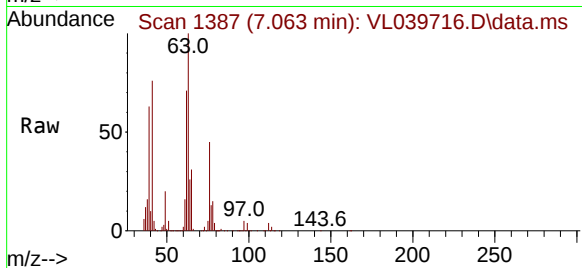




#39
1,2-Dichloropropane
Concen: 8.943 ppbv
RT: 7.063 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

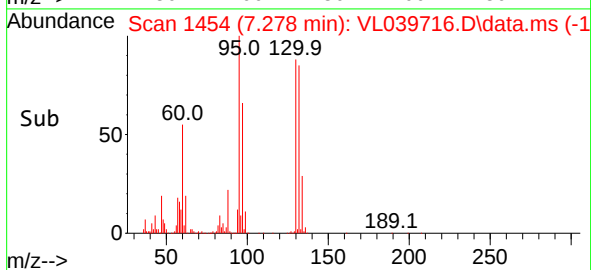
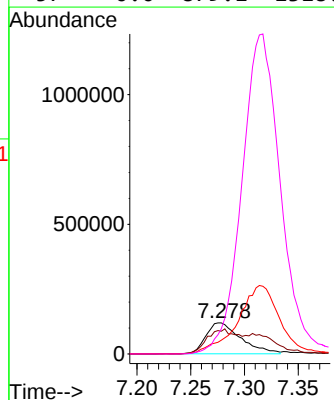
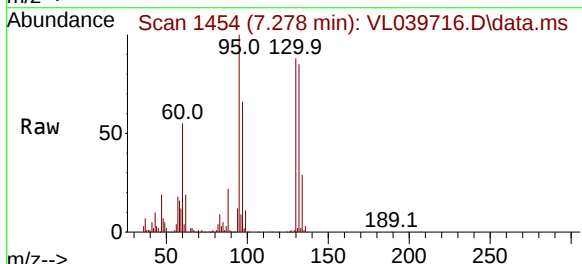
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

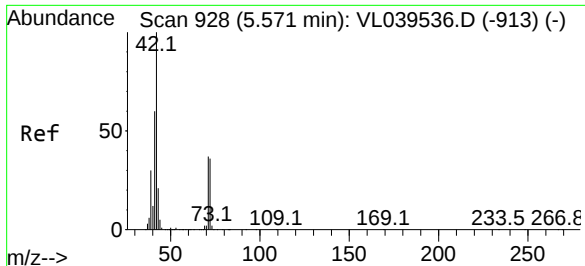
Tgt Ion: 63 Resp: 677807
Ion Ratio Lower Upper
63 100
41 75.6 59.6 89.4
62 70.6 51.4 77.0



#40
1,4-Dioxane
Concen: 8.766 ppbv
RT: 7.278 min Scan# 1454
Delta R.T. -0.015 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 88 Resp: 271310
Ion Ratio Lower Upper
88 100
58 129.9 100.2 150.4
43 0.0 205.8 308.6#
57 0.0 879.1 1318.7#

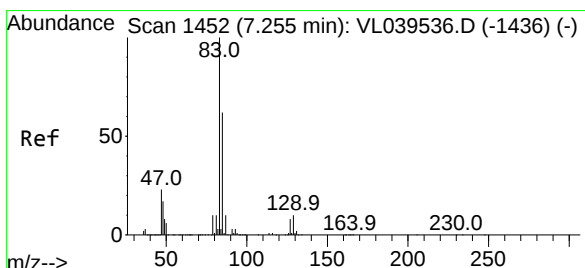
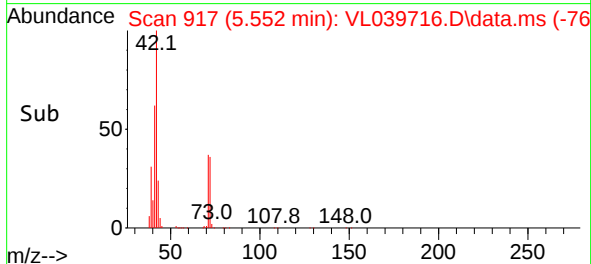
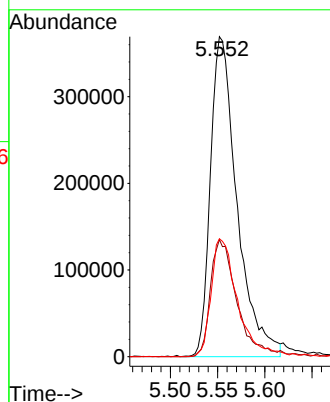
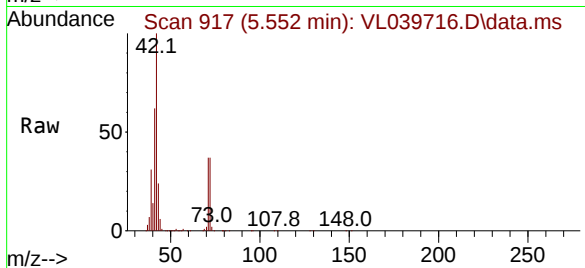




#41
Tetrahydrofuran
Concen: 9.333 ppbv
RT: 5.552 min Scan# 917
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

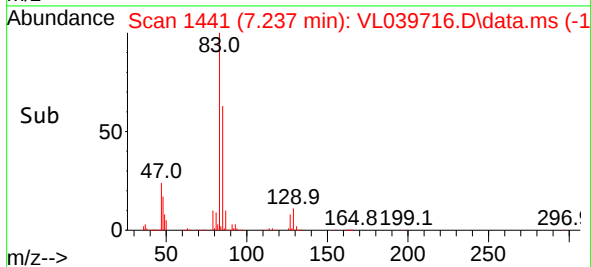
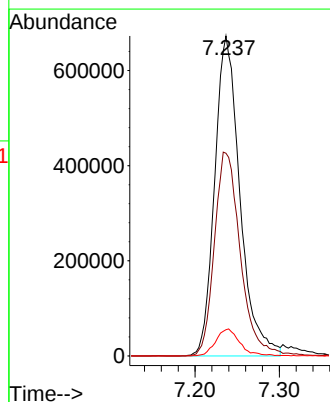
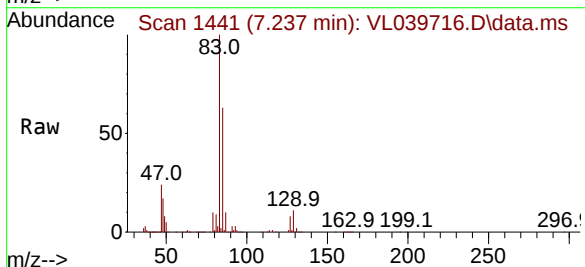
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

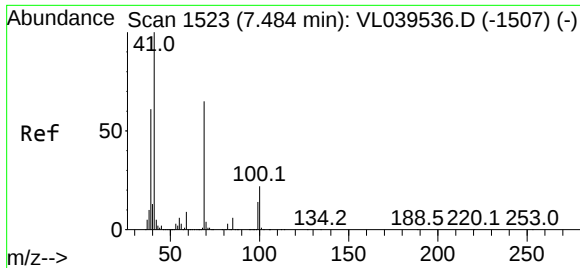
Tgt Ion:	42	Resp:	722047
Ion	Ratio	Lower	Upper
42	100		
72	36.8	31.8	47.8
71	37.3	31.8	47.8



#42
Bromodichloromethane
Concen: 9.426 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion:	83	Resp:	1400715
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.2	6.6	9.8





#43

Methyl Methacrylate

Concen: 9.822 ppbv

RT: 7.465 min Scan# 1

Delta R.T. -0.019 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

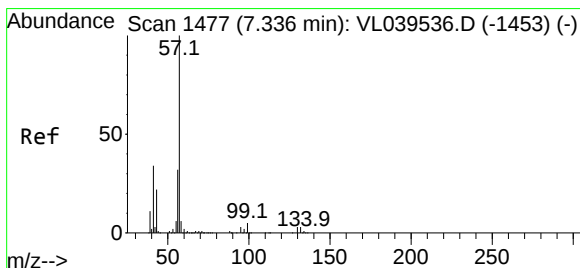
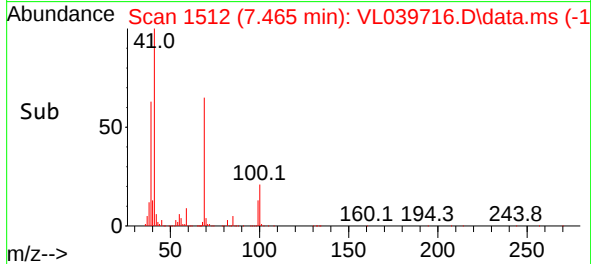
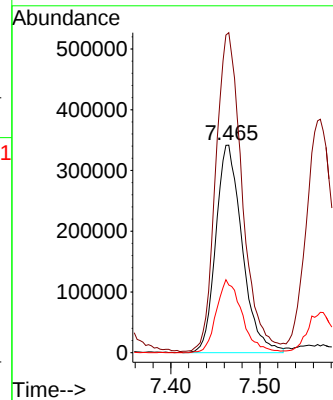
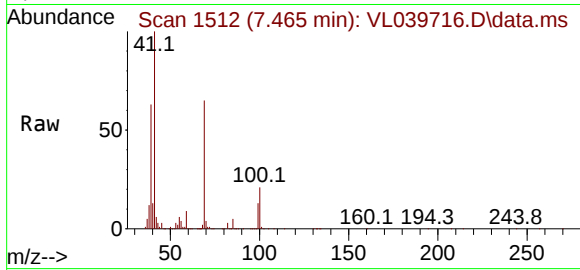
Tgt Ion: 69 Resp: 702758

Ion Ratio Lower Upper

69 100

41 155.5 120.8 181.2

100 34.3 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 9.157 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. -0.019 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

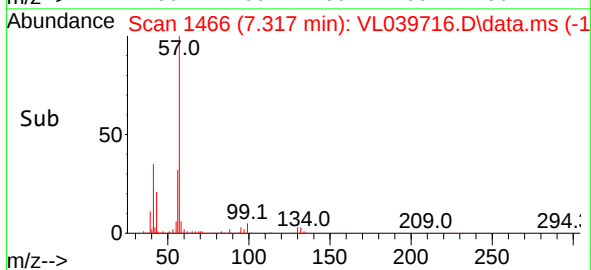
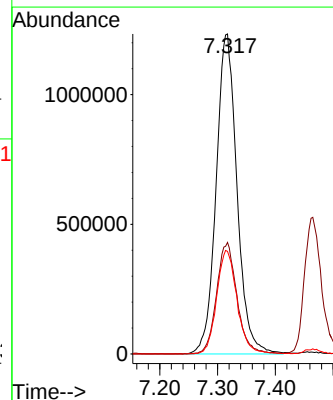
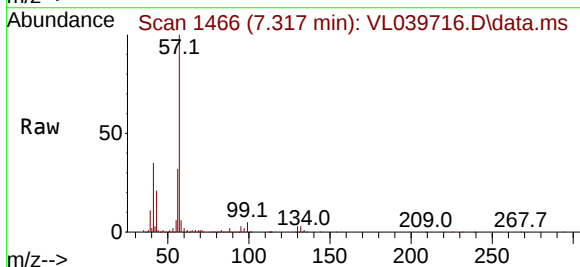
Tgt Ion: 57 Resp: 3097988

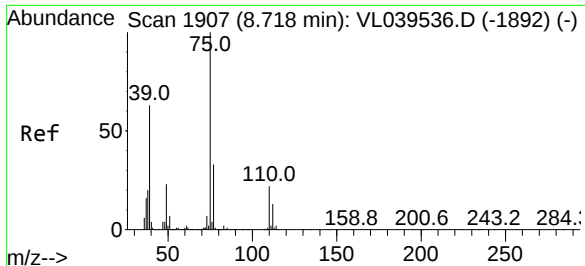
Ion Ratio Lower Upper

57 100

41 34.1 27.4 41.2

56 31.7 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 10.475 ppbv

RT: 8.700 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

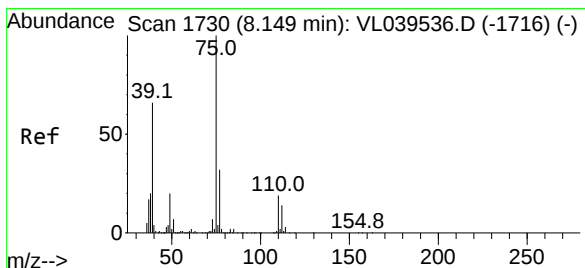
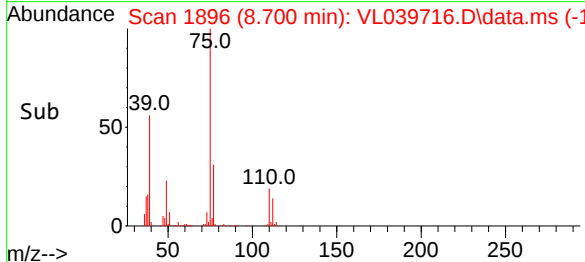
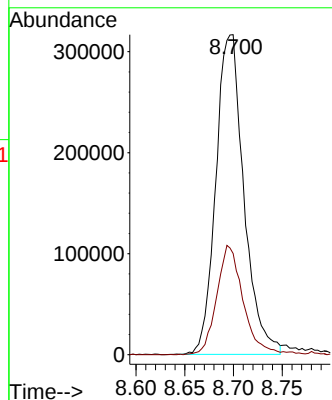
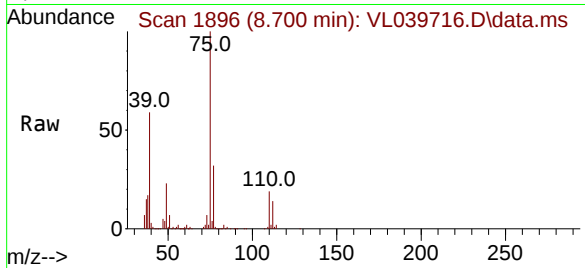
VSTDCCC010EC

Tgt Ion: 75 Resp: 633379

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 10.291 ppbv

RT: 8.131 min Scan# 1719

Delta R.T. -0.019 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

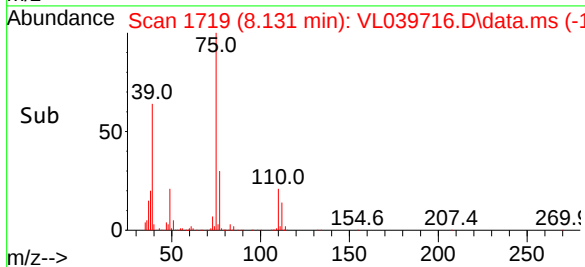
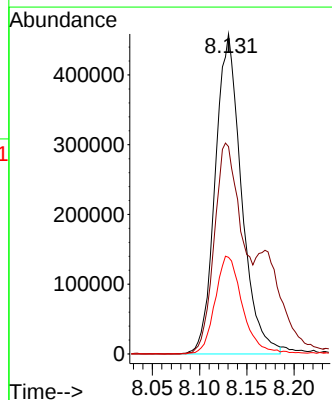
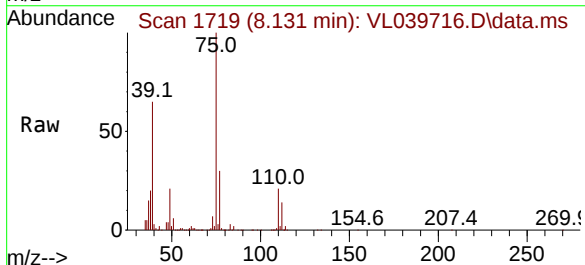
Tgt Ion: 75 Resp: 885844

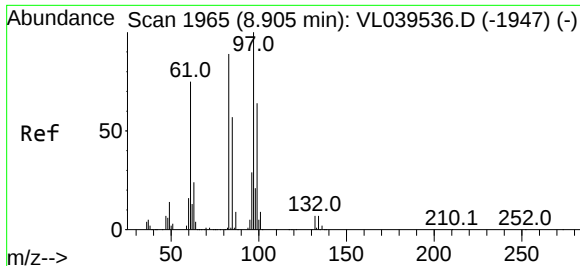
Ion Ratio Lower Upper

75 100

39 64.7 55.0 82.4

77 30.2 25.7 38.5



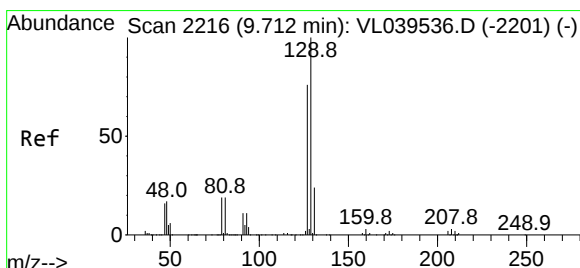
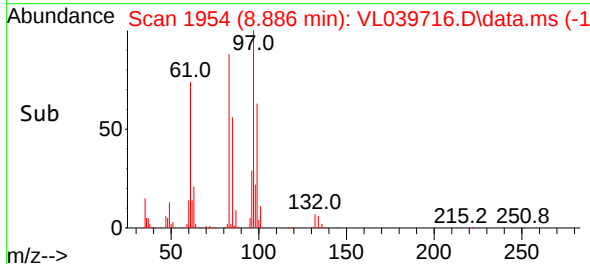
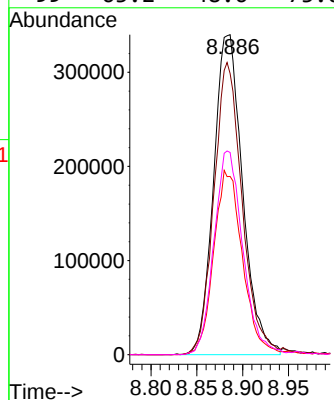
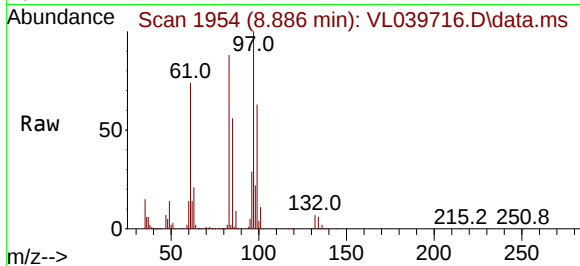


#47
1,1,2-Trichloroethane
Concen: 9.038 ppbv
RT: 8.886 min Scan# 1965
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 748827

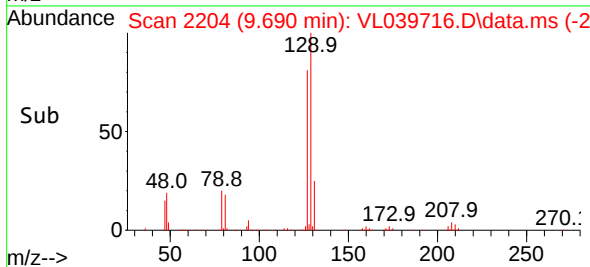
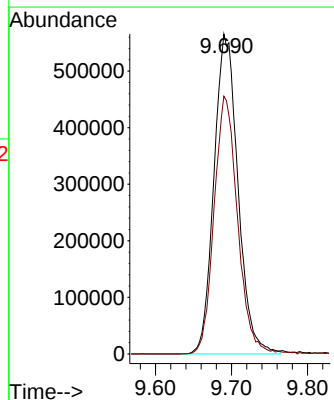
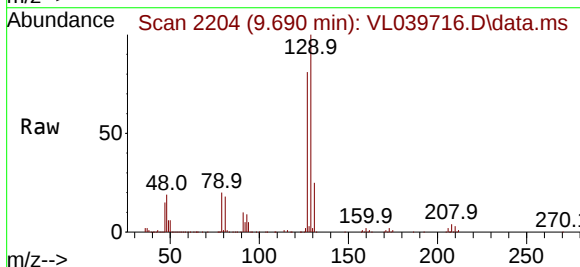
Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.4	101.0
85	55.6	45.1	67.7
99	63.2	48.6	73.0

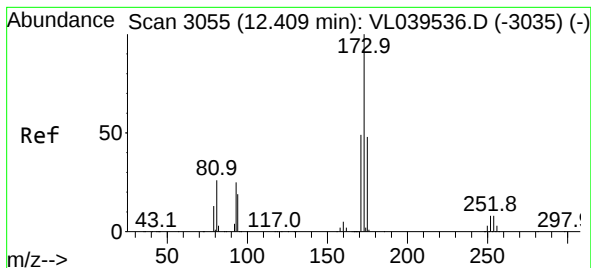


#48
Dibromochloromethane
Concen: 9.942 ppbv
RT: 9.690 min Scan# 2204
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 129 Resp: 1240345

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.3	117.9





#49

Bromoform

Concen: 10.028 ppbv

RT: 12.384 min Scan# 3055

Delta R.T. -0.025 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

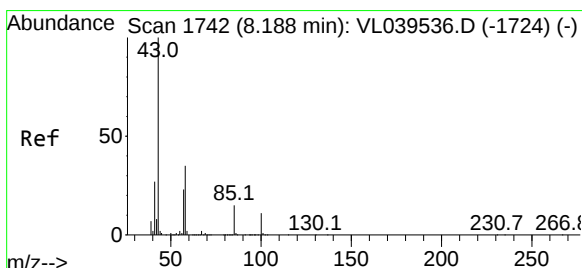
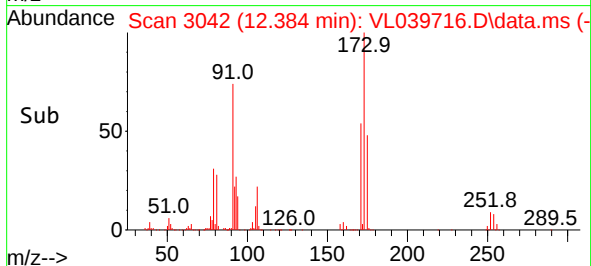
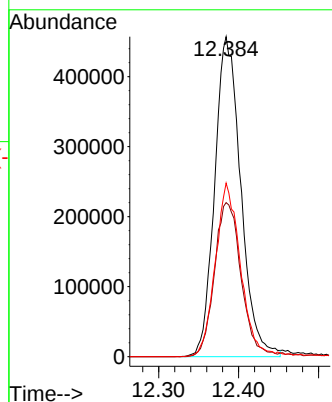
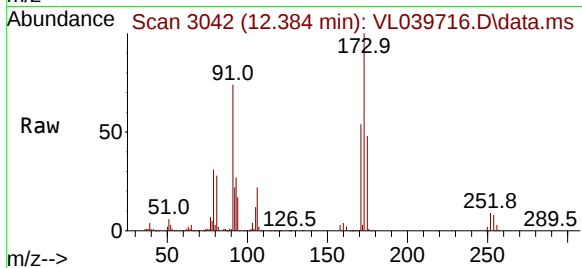
Tgt Ion:173 Resp: 1034689

Ion Ratio Lower Upper

173 100

175 49.7 40.3 60.5

171 53.7 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 9.617 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.019 min

Lab File: VL039716.D

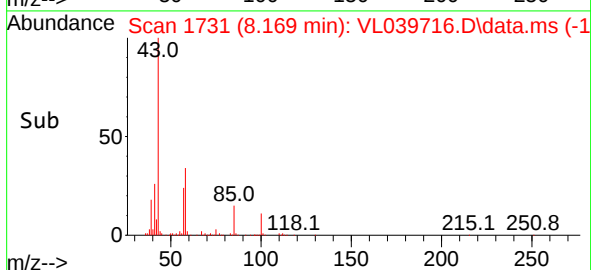
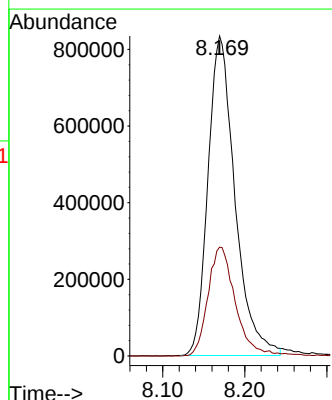
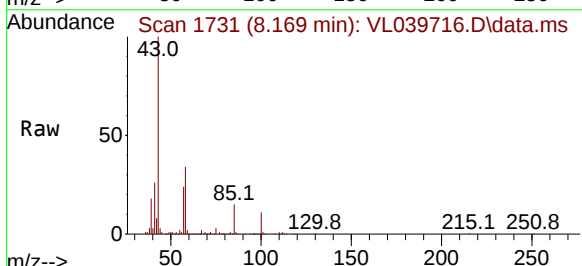
Acq: 11 Oct 2022 12:02

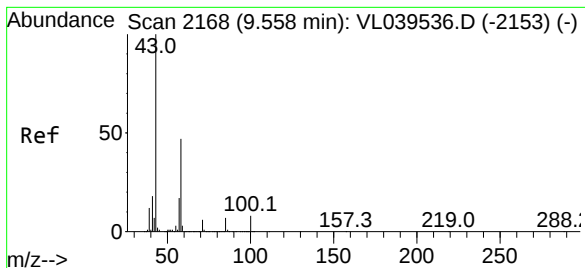
Tgt Ion: 43 Resp: 1905719

Ion Ratio Lower Upper

43 100

58 35.2 28.8 43.2

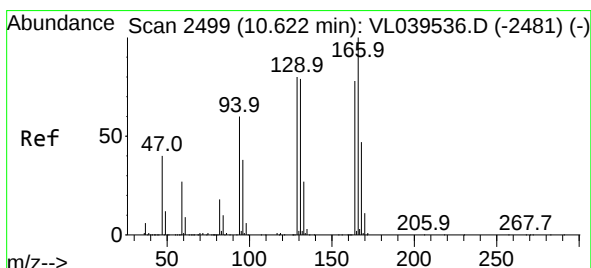
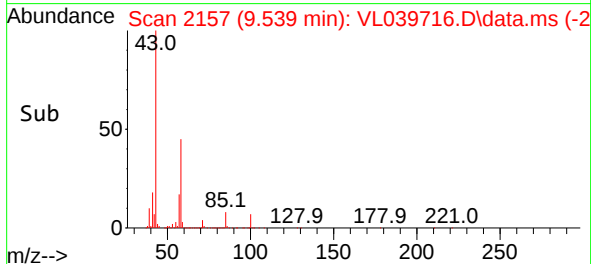
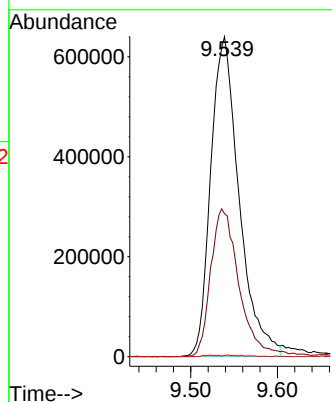
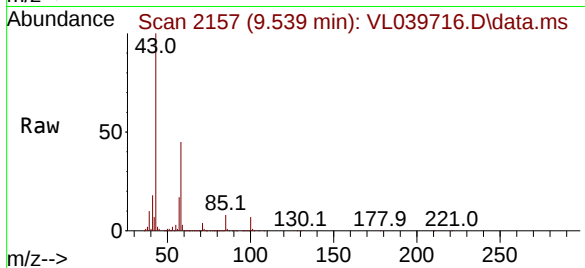




#51
2-Hexanone
Concen: 9.924 ppbv
RT: 9.539 min Scan# 2168
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

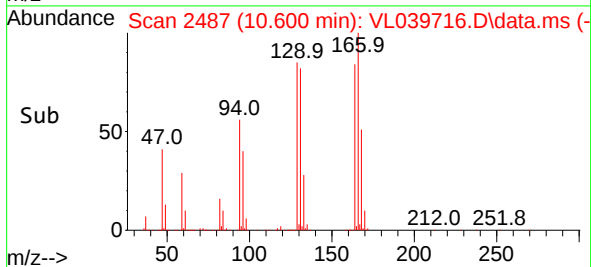
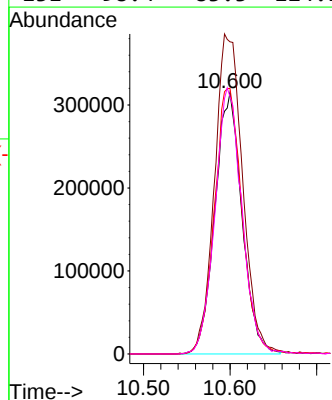
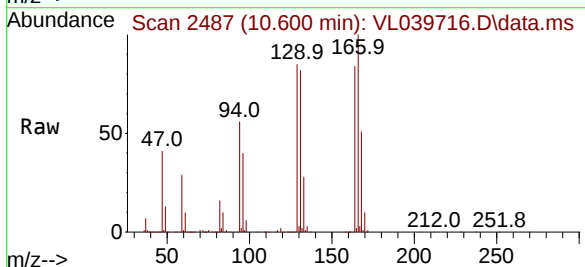
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

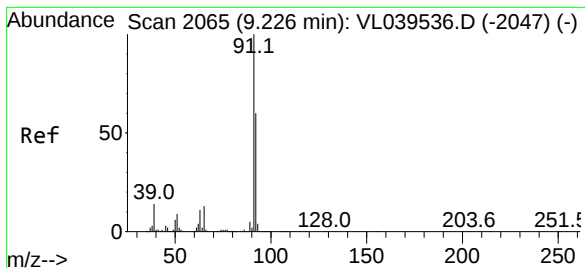
Tgt Ion: 43 Resp: 1455771
Ion Ratio Lower Upper
43 100
58 47.1 38.4 57.6
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.096 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion:164 Resp: 681125
Ion Ratio Lower Upper
164 100
166 119.1 102.2 153.2
129 101.7 85.8 128.8
131 98.4 83.3 124.9





#53

Toluene

Concen: 9.780 ppbv

RT: 9.208 min Scan# 2065

Delta R.T. -0.019 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

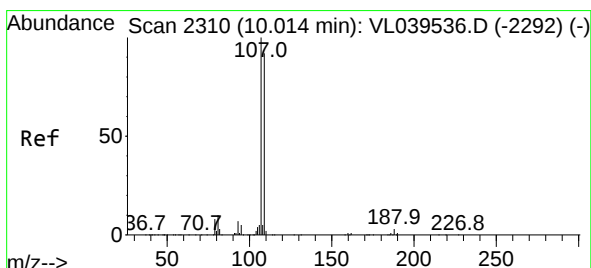
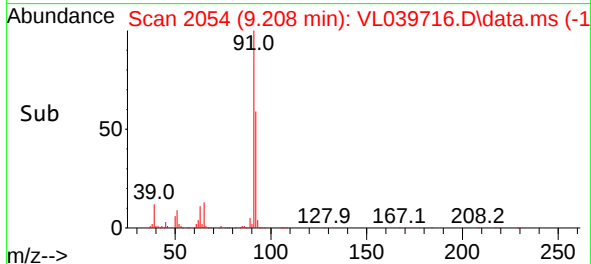
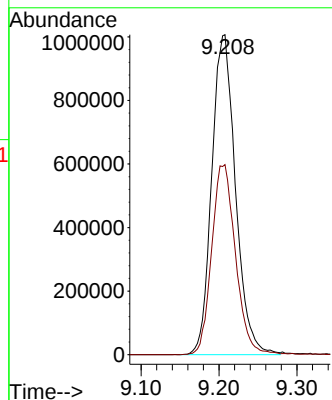
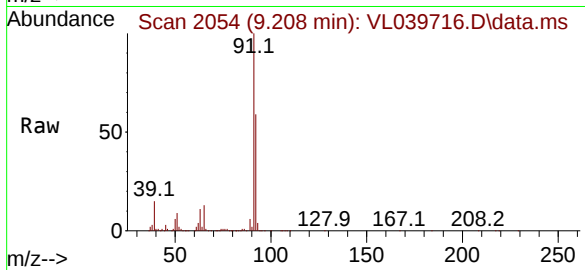
VSTDCCC010EC

Tgt Ion: 91 Resp: 2135120

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.641 ppbv

RT: 9.992 min Scan# 2298

Delta R.T. -0.022 min

Lab File: VL039716.D

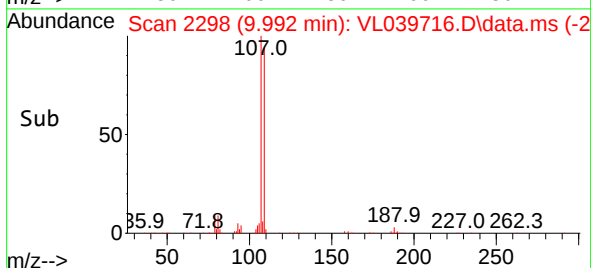
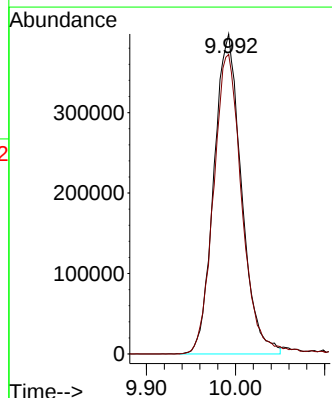
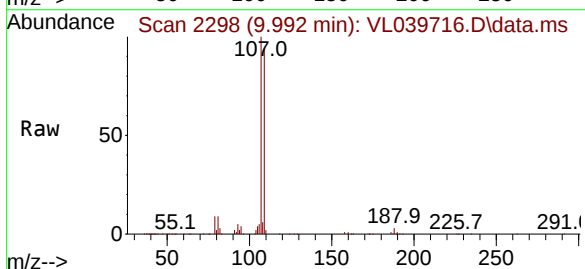
Acq: 11 Oct 2022 12:02

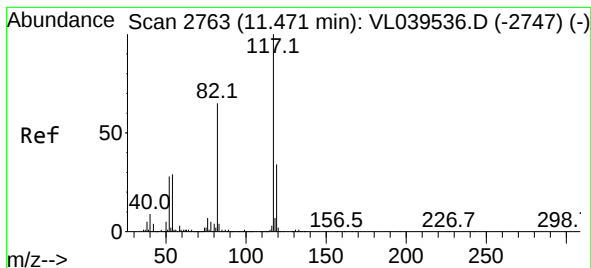
Tgt Ion: 107 Resp: 854531

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 11.446 min Scan# 2763

Delta R.T. -0.025 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

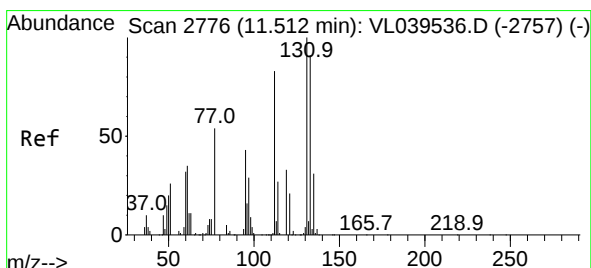
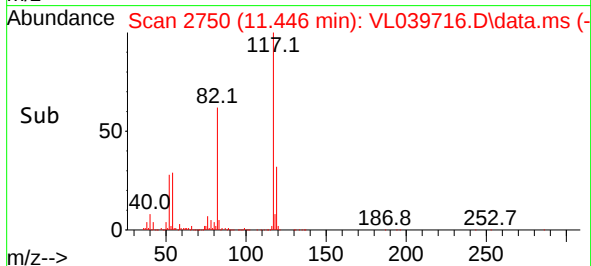
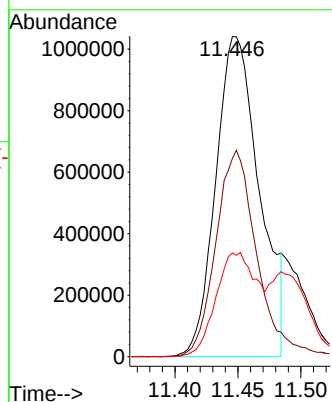
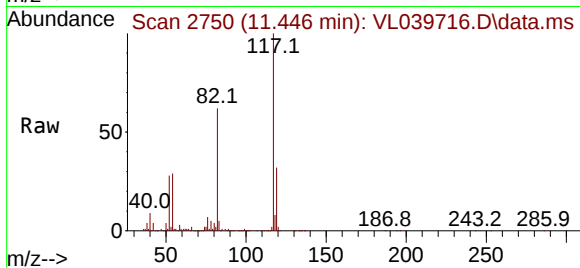
Tgt Ion:117 Resp: 2508098

Ion Ratio Lower Upper

117 100

82 61.3 50.8 76.2

119 32.7 24.1 36.1



#56

1,1,1,2-Tetrachloroethane

Concen: 8.980 ppbv

RT: 11.487 min Scan# 2763

Delta R.T. -0.025 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

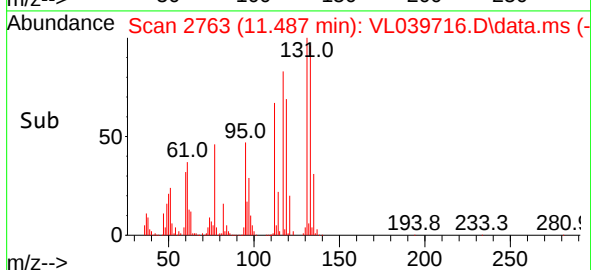
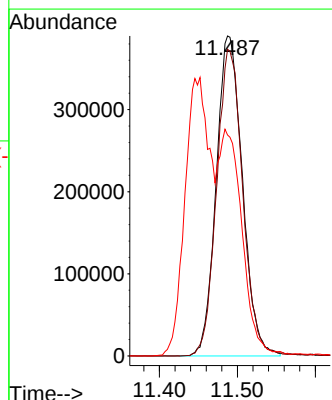
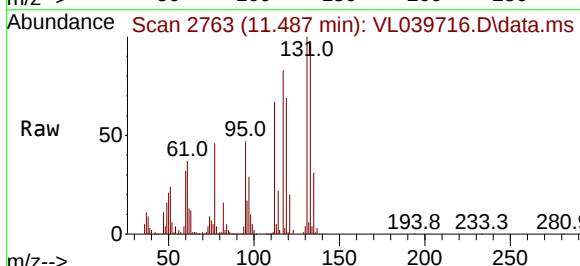
Tgt Ion:131 Resp: 910187

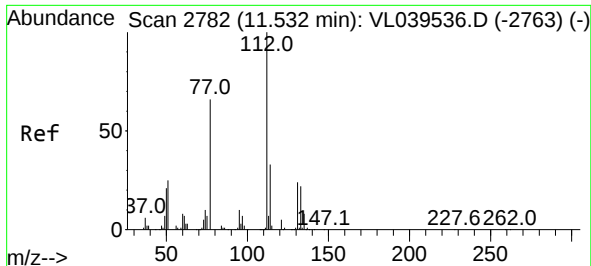
Ion Ratio Lower Upper

131 100

133 96.3 76.8 115.2

119 64.4 46.2 69.4

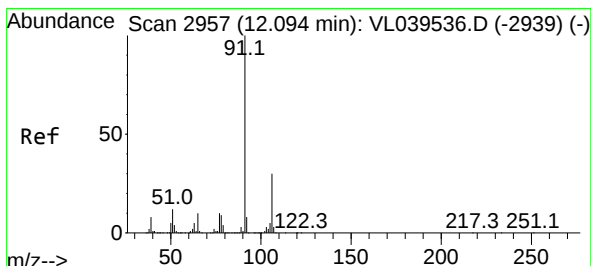
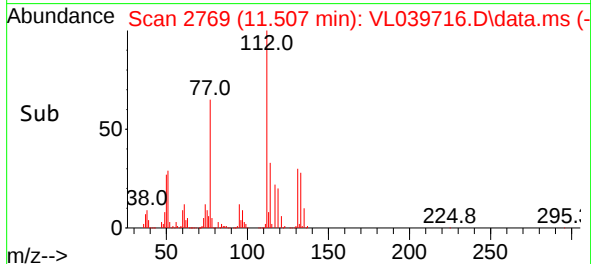
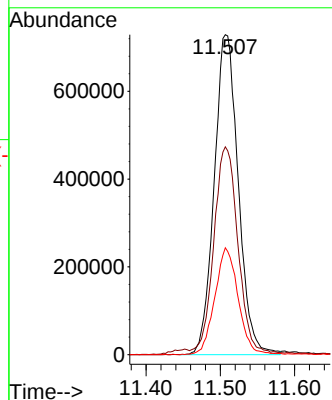
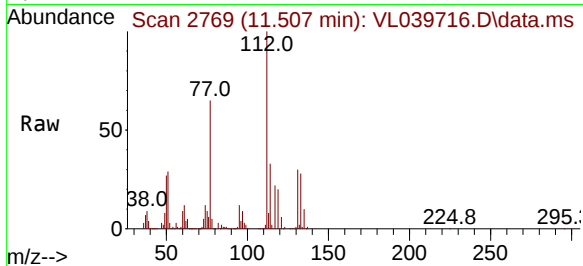




#57
Chlorobenzene
Concen: 8.917 ppbv
RT: 11.507 min Scan# 21
Delta R.T. -0.025 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

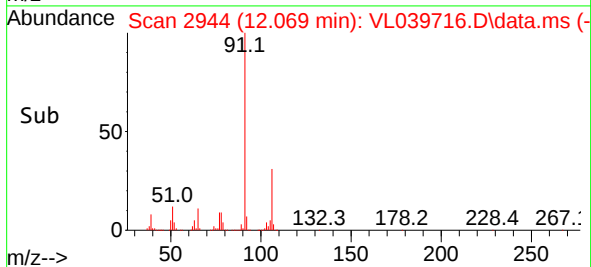
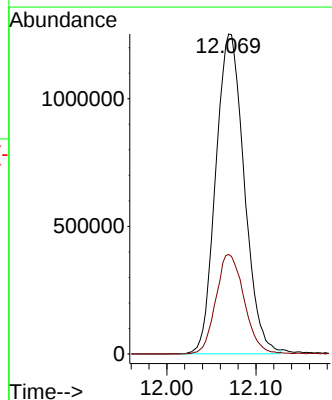
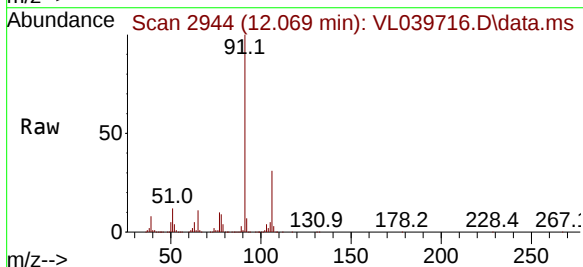
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

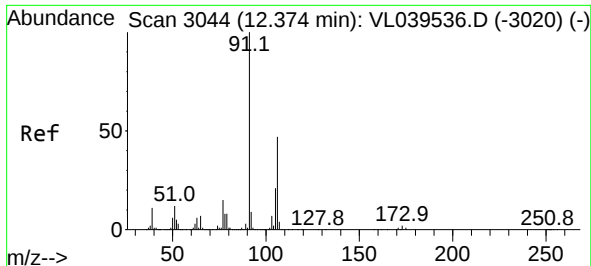
Tgt Ion:112 Resp: 1644523
Ion Ratio Lower Upper
112 100
77 64.3 51.0 76.4
114 33.4 27.5 33.6



#58
Ethyl Benzene
Concen: 9.623 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. -0.025 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 91 Resp: 2782753
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0





#59

m/p-Xylene

Concen: 18.524 ppbv m

RT: 12.352 min Scan# 3044

Delta R.T. -0.022 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

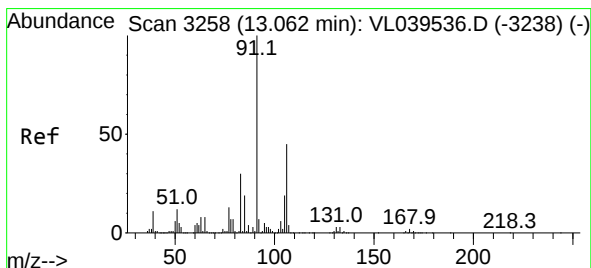
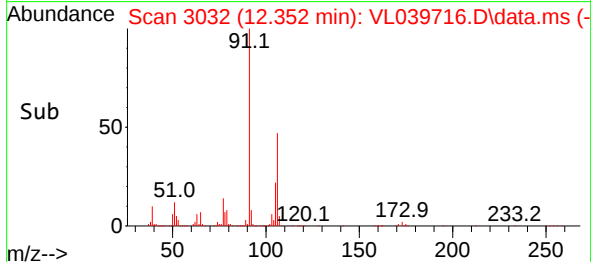
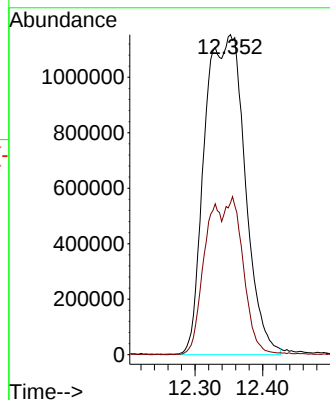
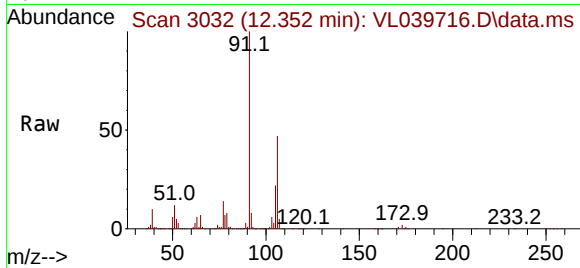
VSTDCCC010EC

Tgt Ion: 91 Resp: 4767255

Ion Ratio Lower Upper

91 100

106 45.4 35.4 53.2



#60

o-Xylene

Concen: 9.410 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.022 min

Lab File: VL039716.D

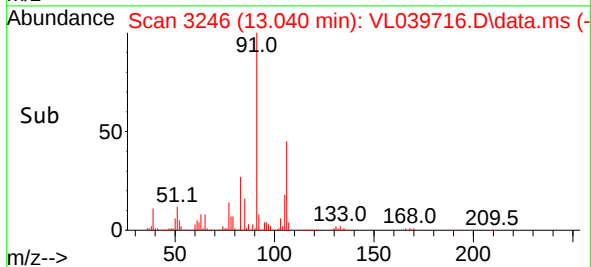
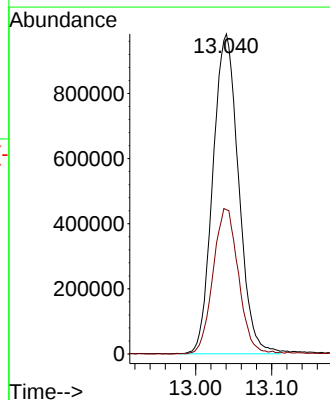
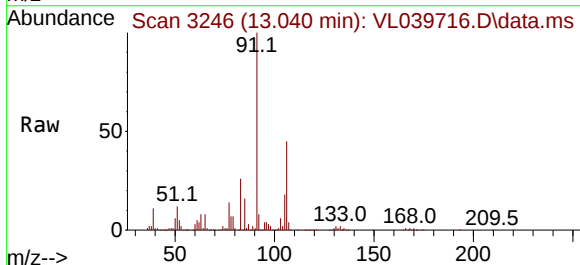
Acq: 11 Oct 2022 12:02

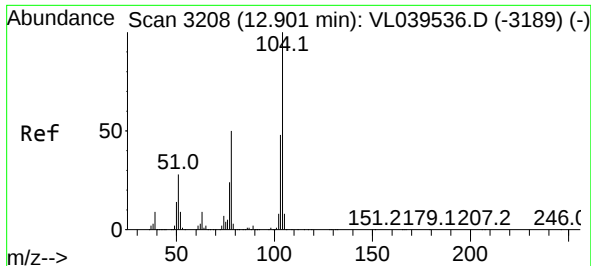
Tgt Ion: 91 Resp: 2312632

Ion Ratio Lower Upper

91 100

106 45.3 22.4 67.3

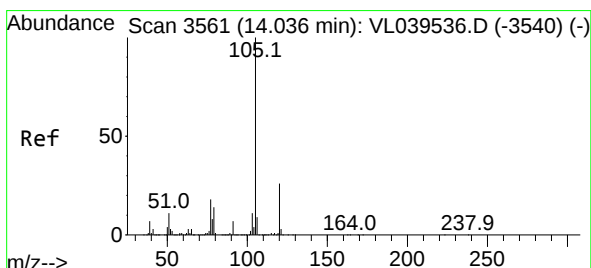
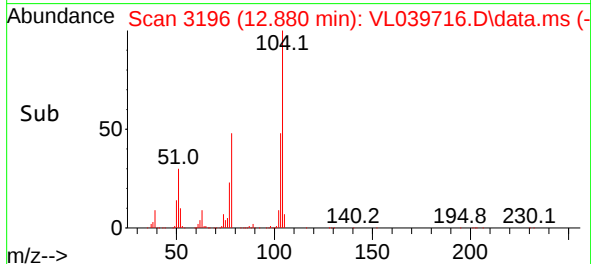
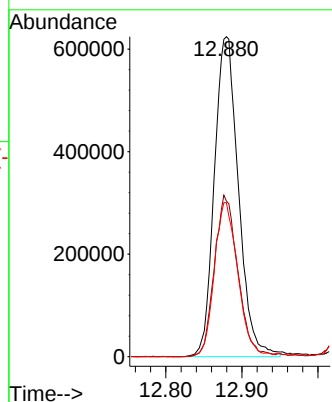
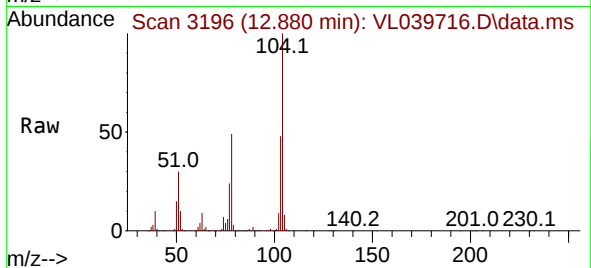




#61
Styrene
Concen: 10.384 ppbv
RT: 12.880 min Scan# 3196
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

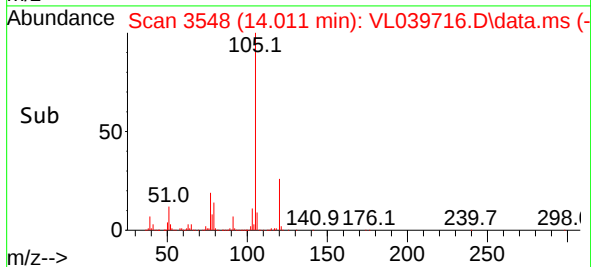
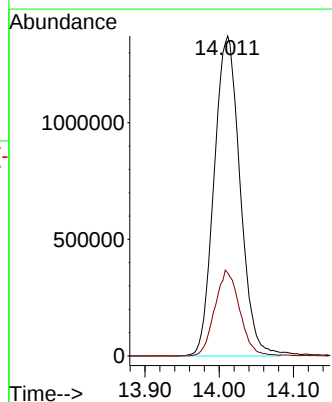
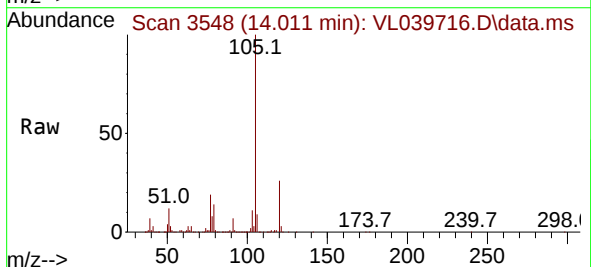
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

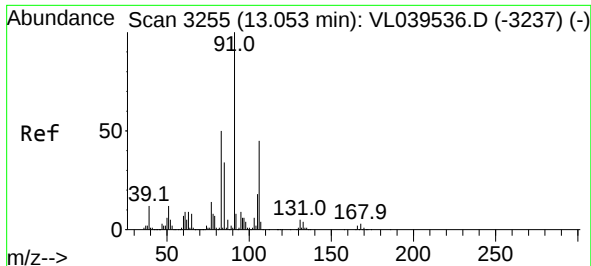
Tgt Ion:104 Resp: 1374464
Ion Ratio Lower Upper
104 100
78 49.6 41.2 61.8
103 47.8 38.7 58.1



#62
Isopropylbenzene
Concen: 9.013 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. -0.025 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion:105 Resp: 3333170
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1

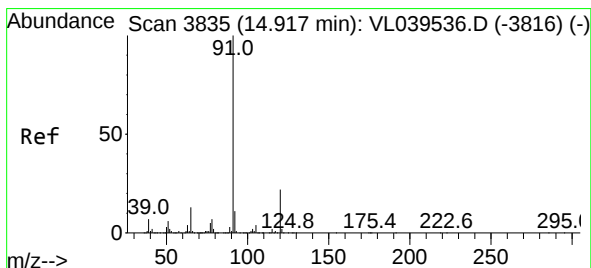
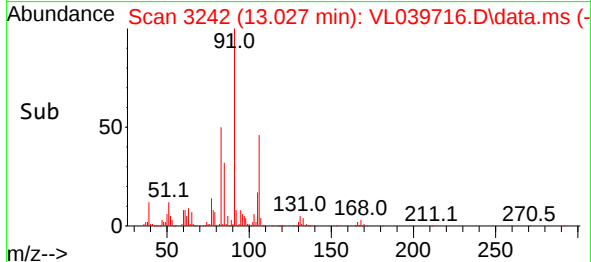
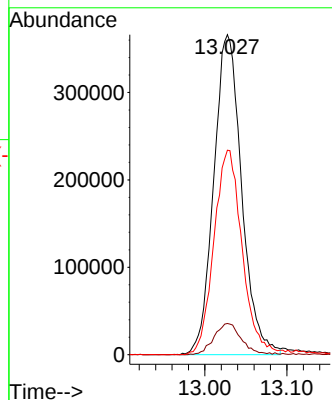
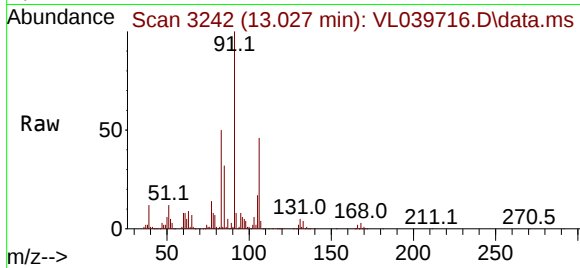




#63
1,1,2,2-Tetrachloroethane
Concen: 8.845 ppbv
RT: 13.027 min Scan# 31
Delta R.T. -0.025 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

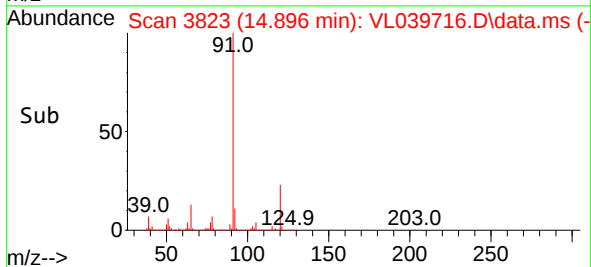
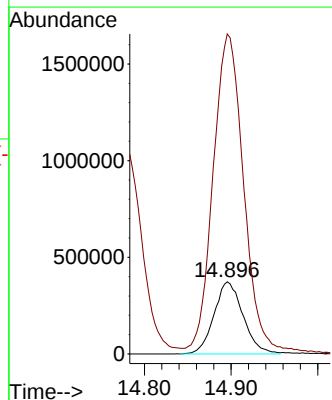
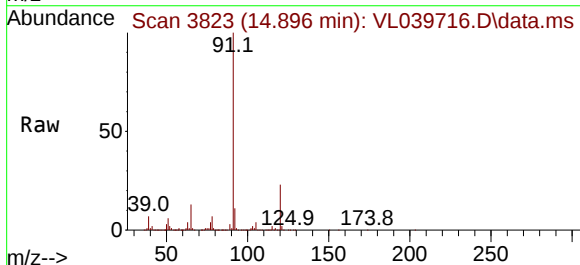
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

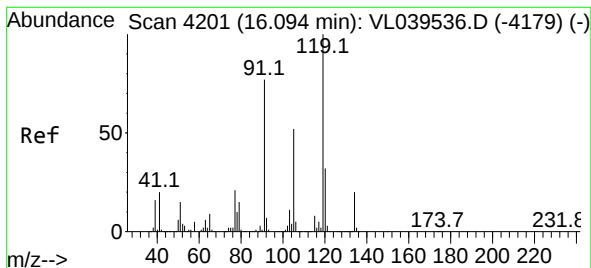
Tgt Ion: 83 Resp: 867111
Ion Ratio Lower Upper
83 100
131 9.7 5.3 15.8
85 65.8 33.1 99.5



#64
n-propylbenzene
Concen: 9.157 ppbv
RT: 14.896 min Scan# 3823
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 120 Resp: 867217
Ion Ratio Lower Upper
120 100
91 473.1 367.2 550.8





#65

tert-Butylbenzene

Concen: 9.044 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. -0.022 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

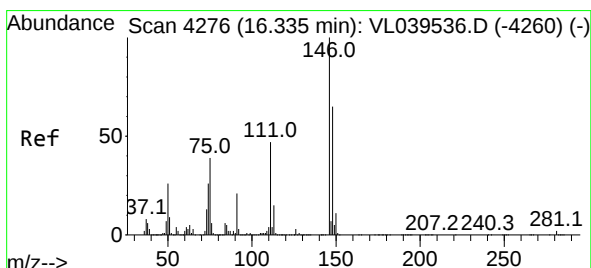
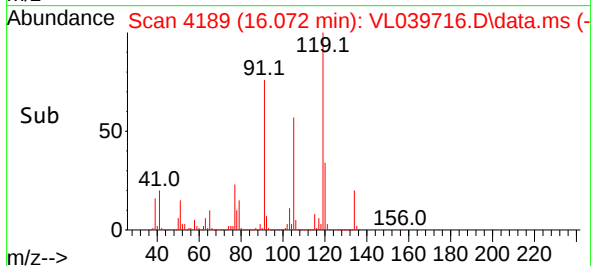
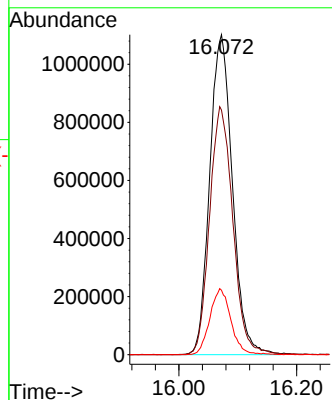
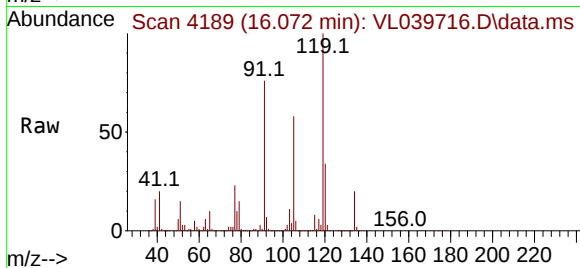
Tgt Ion:119 Resp: 2954983

Ion Ratio Lower Upper

119 100

91 79.3 63.4 95.2

134 19.2 15.9 23.9



#66

Benzyl Chloride

Concen: 8.740 ppbv

RT: 16.304 min Scan# 4261

Delta R.T. -0.032 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

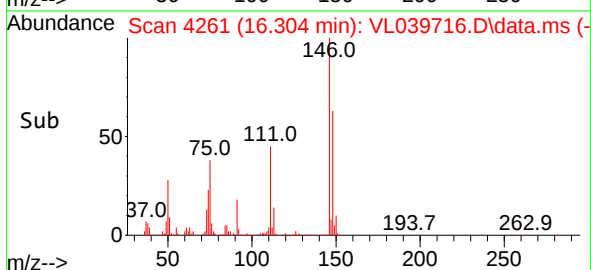
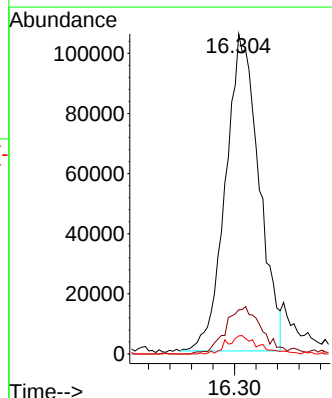
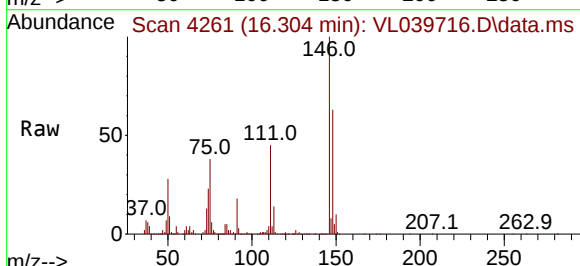
Tgt Ion: 91 Resp: 227371

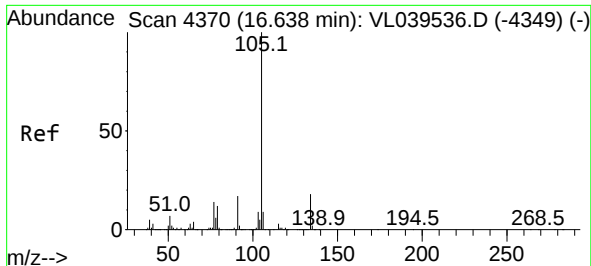
Ion Ratio Lower Upper

91 100

126 17.4 13.1 19.7

128 5.5 4.4 6.6

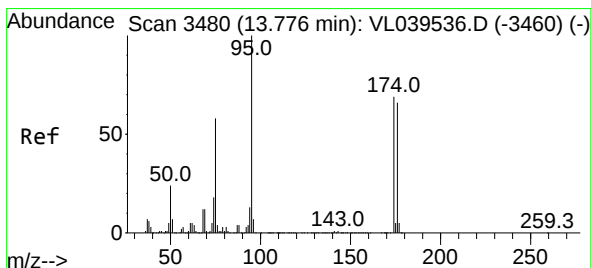
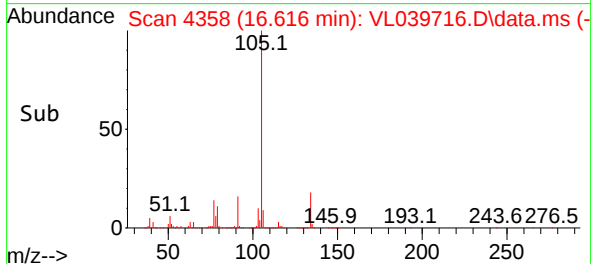
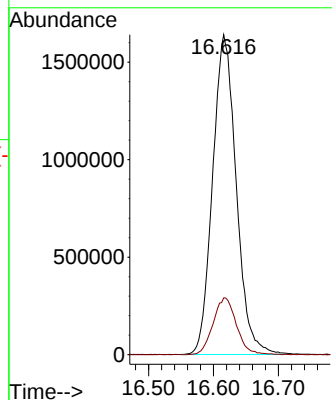
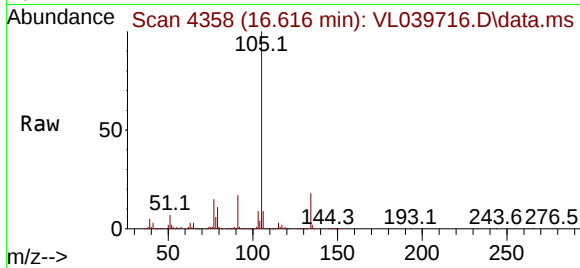




#67
 sec-Butylbenzene
 Concen: 9.022 ppbv
 RT: 16.616 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

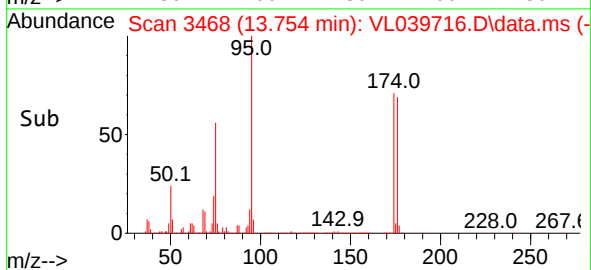
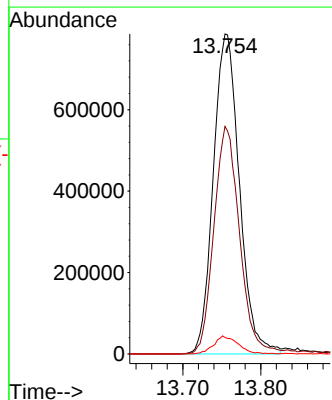
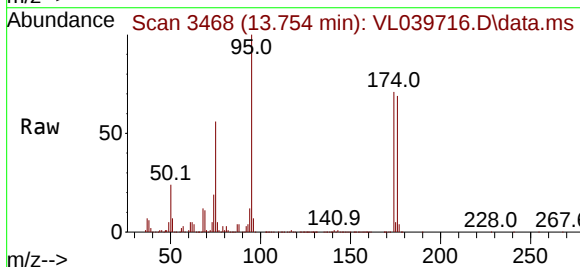
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

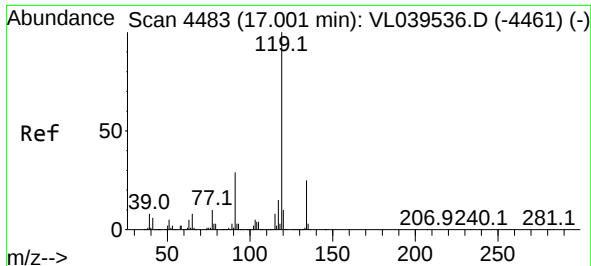
Tgt Ion:105 Resp: 4134407
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.778 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. -0.022 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 12:02

Tgt Ion: 95 Resp: 1830823
 Ion Ratio Lower Upper
 95 100
 174 71.3 55.9 83.9
 175 5.4 4.2 6.4

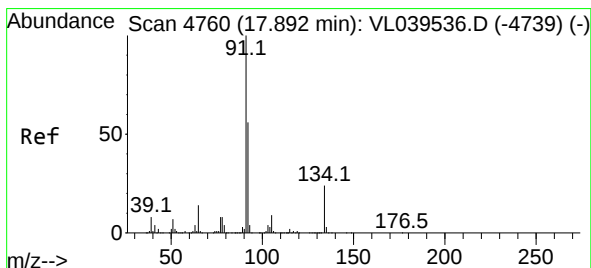
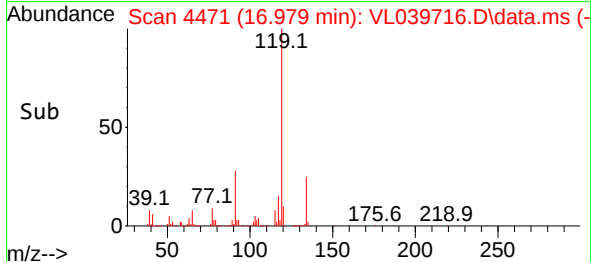
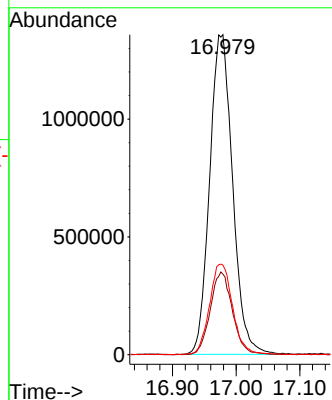
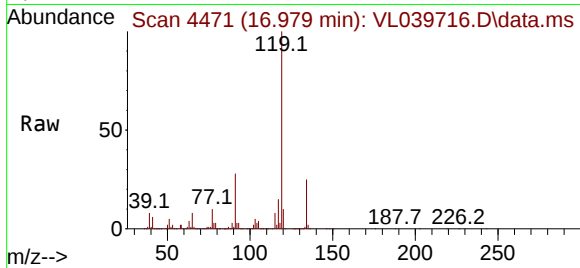




#69
p-Isopropyltoluene
Concen: 9.046 ppbv
RT: 16.979 min Scan# 4483
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

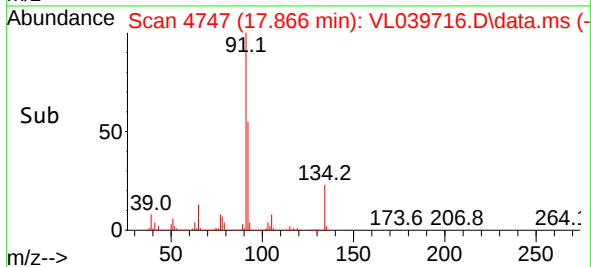
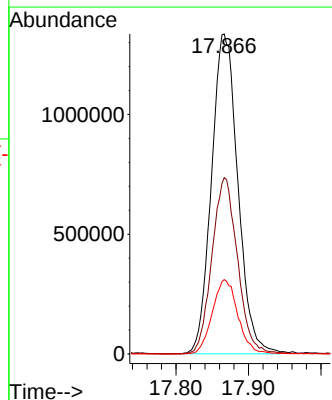
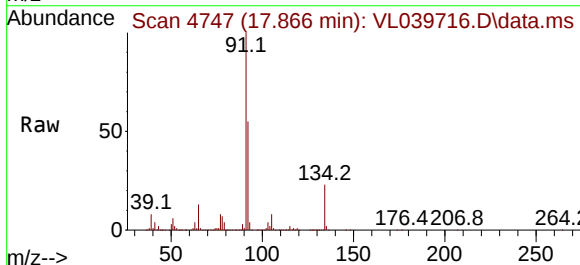
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

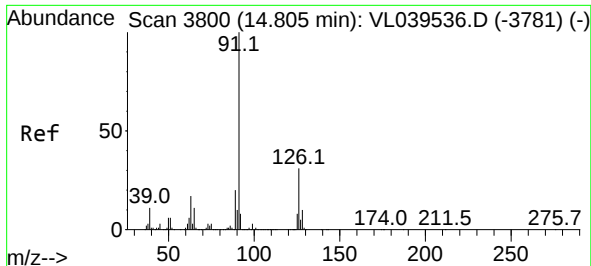
Tgt Ion:119 Resp: 3406361
Ion Ratio Lower Upper
119 100
134 25.0 20.3 30.5
91 28.4 22.9 34.3



#70
n-Butylbenzene
Concen: 9.145 ppbv
RT: 17.866 min Scan# 4747
Delta R.T. -0.025 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 91 Resp: 3375740
Ion Ratio Lower Upper
91 100
92 53.4 43.4 65.2
134 22.7 18.9 28.3

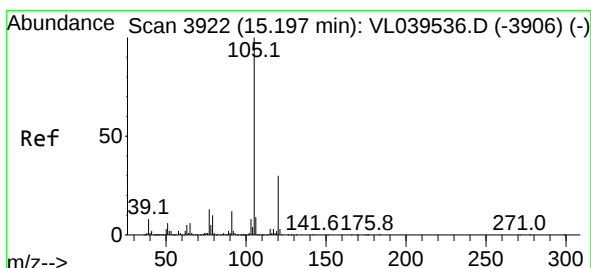
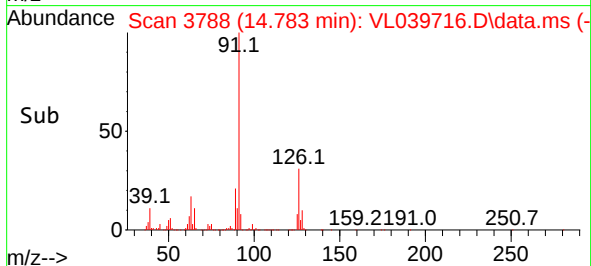
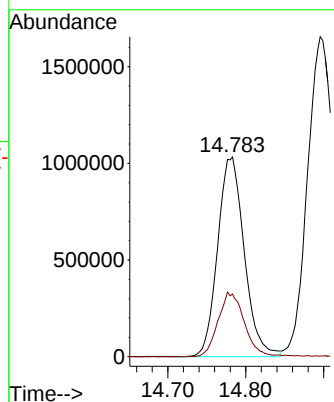
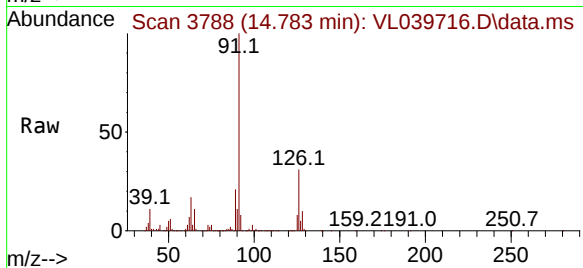




#71
2-Chlorotoluene
Concen: 9.175 ppbv
RT: 14.783 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

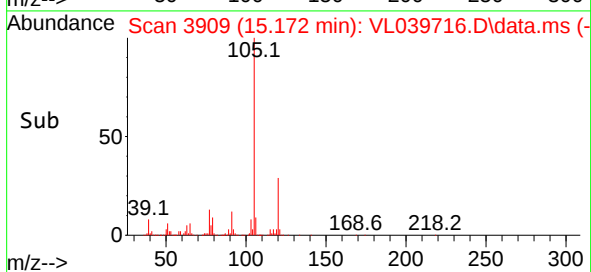
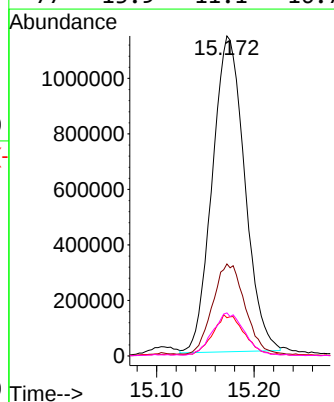
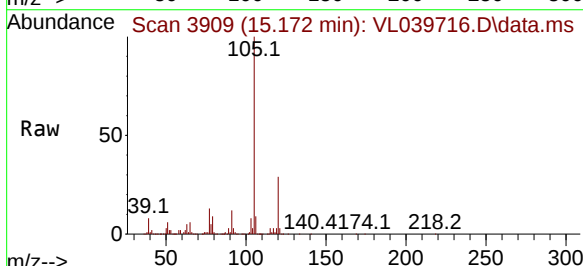
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

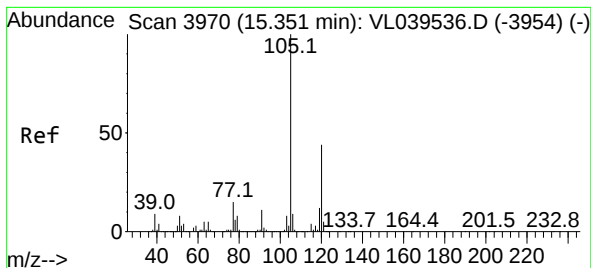
Tgt Ion: 91 Resp: 2449738
Ion Ratio Lower Upper
91 100
126 32.1 13.0 51.8



#72
4-Ethyltoluene
Concen: 9.375 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. -0.025 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion: 105 Resp: 2630448
Ion Ratio Lower Upper
105 100
120 31.0 24.2 36.2
91 12.8 10.2 15.4
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.295 ppbv

RT: 15.330 min Scan# 3970

Delta R.T. -0.022 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_1

ClientSampleId :

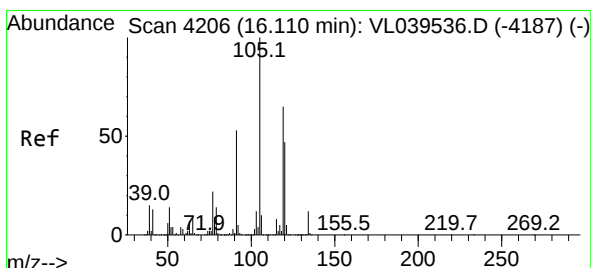
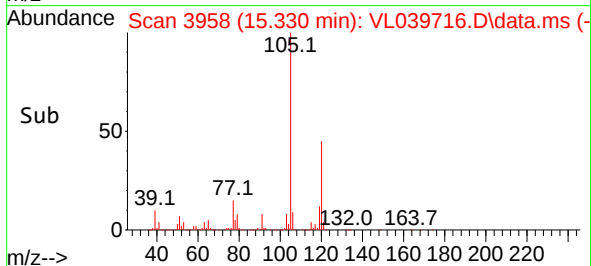
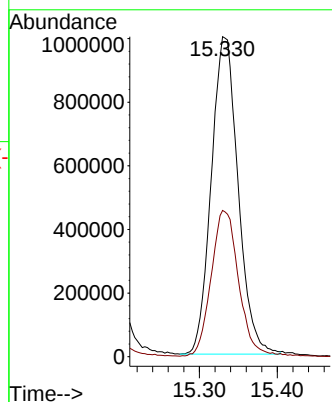
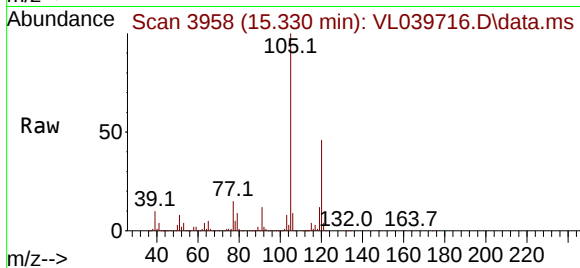
VSTDCCC010EC

Tgt Ion:105 Resp: 2386285

Ion Ratio Lower Upper

105 100

120 45.9 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 8.956 ppbv

RT: 16.088 min Scan# 4194

Delta R.T. -0.022 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Tgt Ion:105 Resp: 2577212

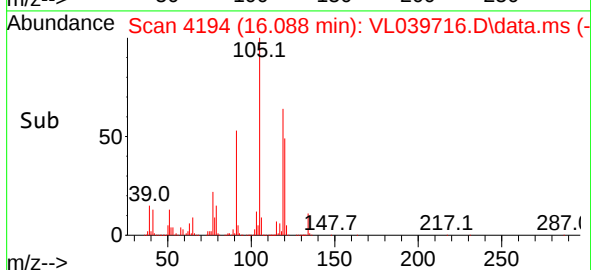
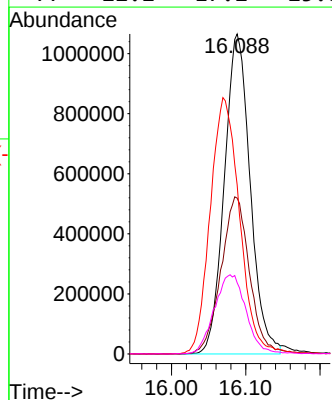
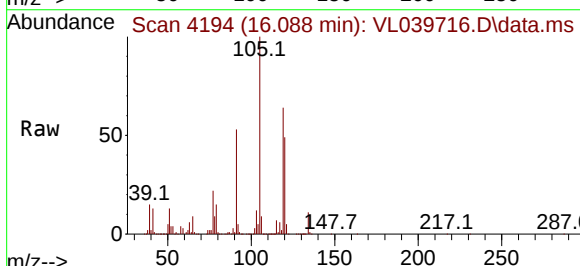
Ion Ratio Lower Upper

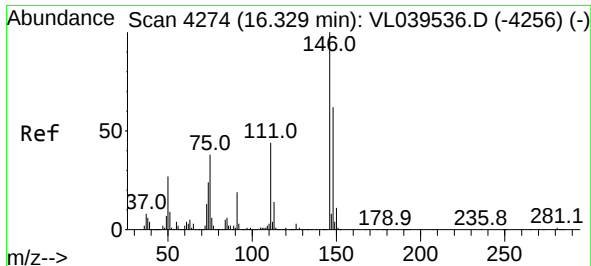
105 100

120 48.7 39.5 59.3

91 52.7 39.2 58.8

77 22.2 17.2 25.8

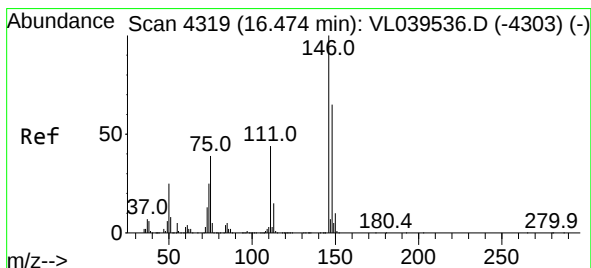
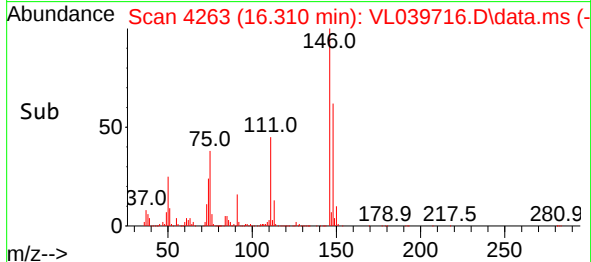
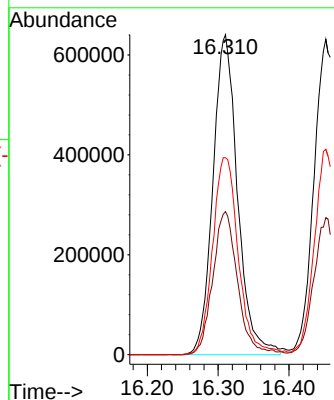
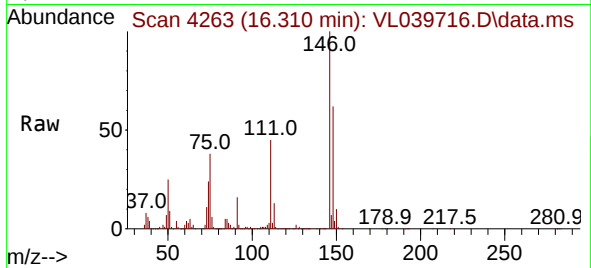




#75
1,3-Dichlorobenzene
Concen: 9.004 ppbv
RT: 16.310 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

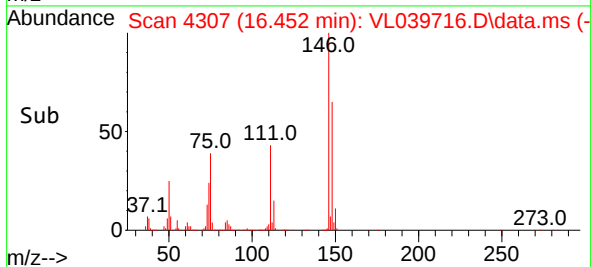
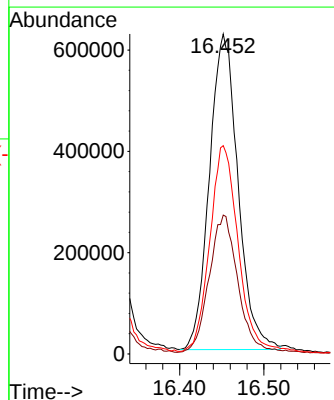
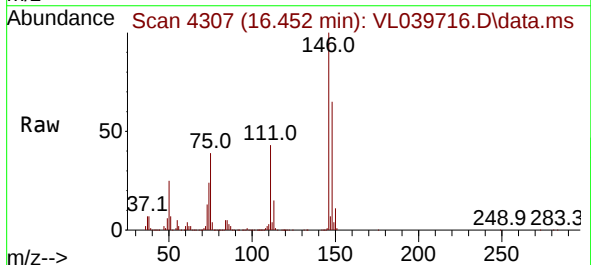
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

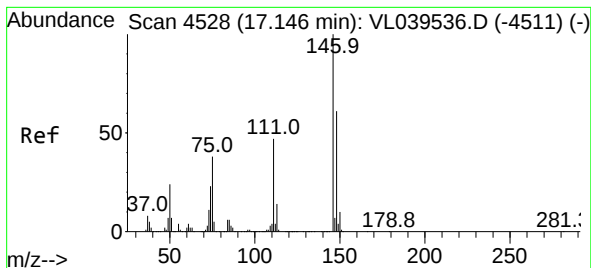
Tgt Ion:146 Resp: 1546029
Ion Ratio Lower Upper
146 100
111 45.1 22.9 68.7
148 64.8 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 8.540 ppbv
RT: 16.452 min Scan# 4307
Delta R.T. -0.022 min
Lab File: VL039716.D
Acq: 11 Oct 2022 12:02

Tgt Ion:146 Resp: 1466931
Ion Ratio Lower Upper
146 100
111 45.6 22.9 68.8
148 67.8 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 8.694 ppbv

RT: 17.121 min Scan# 41

Delta R.T. -0.025 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

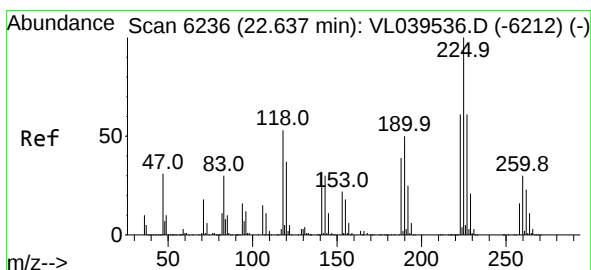
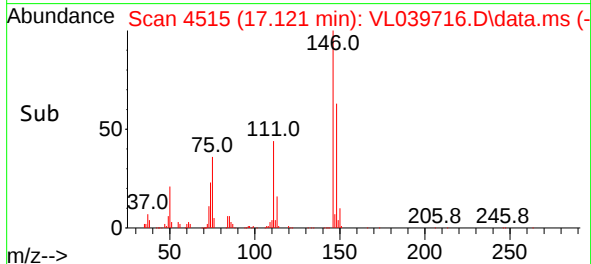
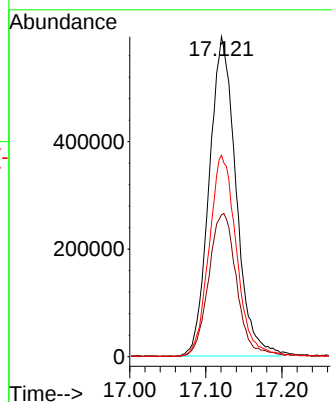
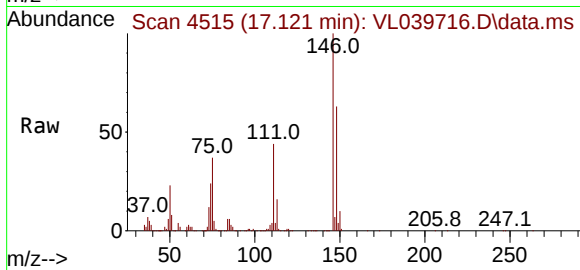
Tgt Ion:146 Resp: 1455755

Ion Ratio Lower Upper

146 100

111 47.4 23.8 71.5

148 64.7 32.3 96.8



#78

Hexachloro-1,3-Butadiene

Concen: 7.831 ppbv

RT: 22.606 min Scan# 6221

Delta R.T. -0.032 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

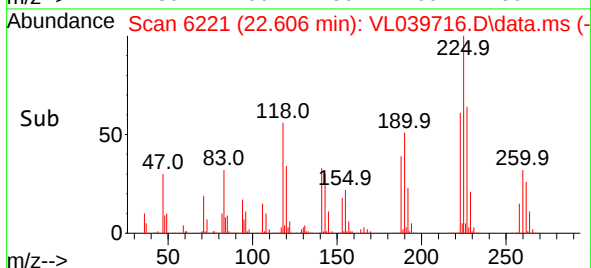
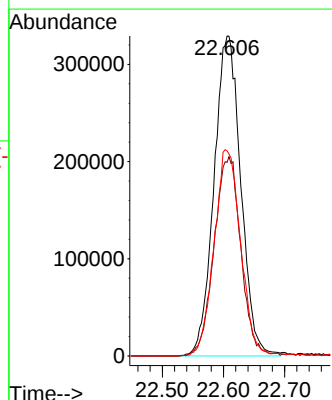
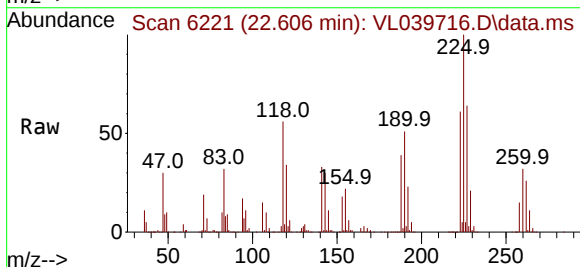
Tgt Ion:225 Resp: 1001895

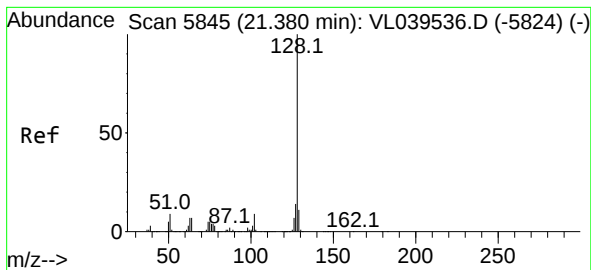
Ion Ratio Lower Upper

225 100

223 62.4 51.8 77.6

227 64.3 51.4 77.2





#79

Naphthalene

Concen: 9.942 ppbv

RT: 21.355 min Scan# 5832

Delta R.T. -0.025 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

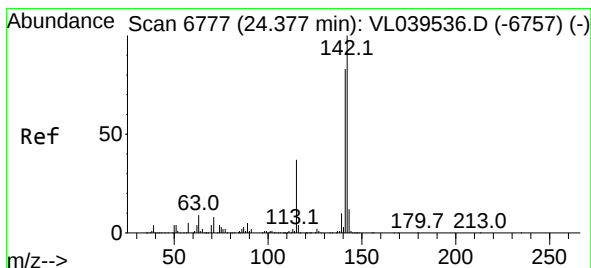
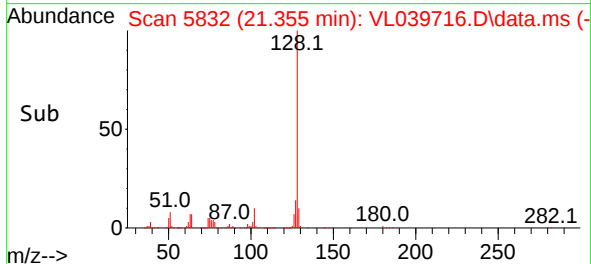
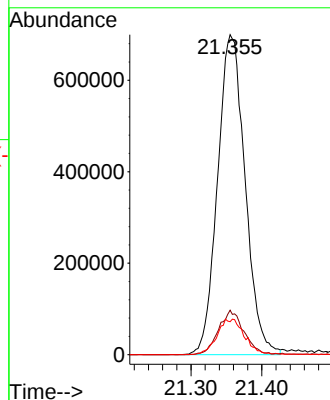
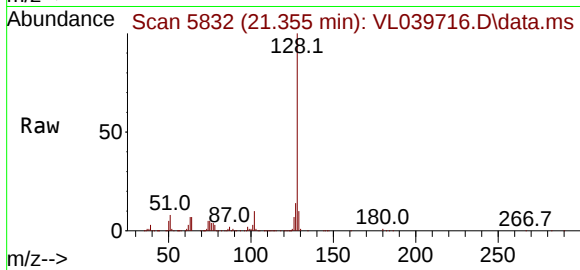
Tgt Ion:128 Resp: 1888195

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

129 10.3 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 9.399 ppbv

RT: 24.358 min Scan# 6766

Delta R.T. -0.019 min

Lab File: VL039716.D

Acq: 11 Oct 2022 12:02

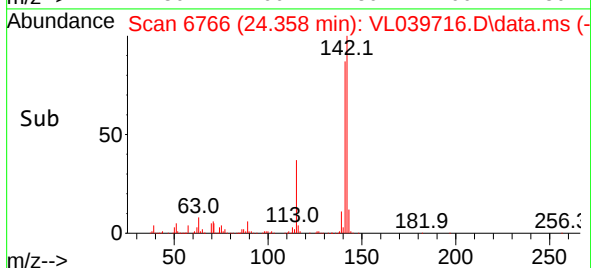
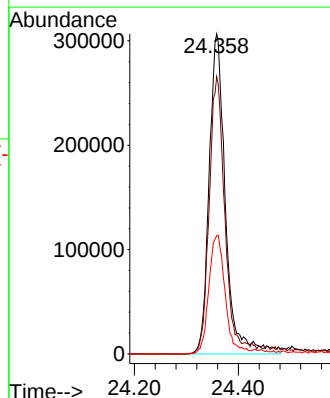
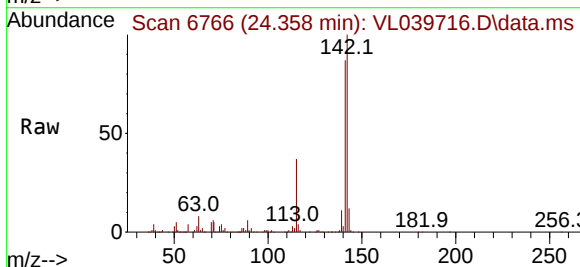
Tgt Ion:142 Resp: 671168

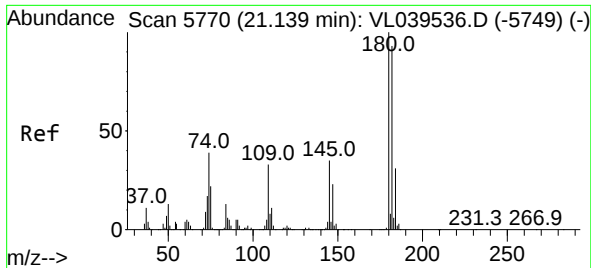
Ion Ratio Lower Upper

142 100

141 84.6 68.9 103.3

115 38.4 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 8.699 ppbv

RT: 21.114 min Scan# 51

Delta R.T. -0.025 min

Lab File: VL039716.D

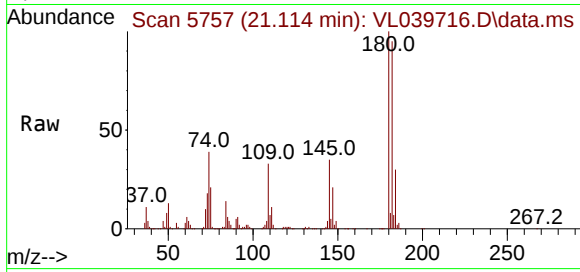
Acq: 11 Oct 2022 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1085071

Ion Ratio Lower Upper

180 100

182 95.8 77.1 115.7

184 30.9 24.3 36.5

