

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043292.D
 Acq On : 02 Dec 2025 09:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Dec 03 00:03:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	126127	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	330397	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	260796	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	190761	9.979	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	197164	11.083	ppbv	96
3) Chlorodifluoromethane	1.479	51	183025	10.462	ppbv	98
4) Chloromethane	1.538	50	67250	10.111	ppbv	96
5) Vinyl Chloride	1.583	62	69859	9.604	ppbv	92
6) Bromomethane	1.673	94	33274	9.437	ppbv	94
7) Chloroethane	1.709	64	28524	10.069	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	161706	10.927	ppbv	98
9) Propene	1.489	41	70360	9.471	ppbv #	1
10) Heptane	4.991	43	206666	9.347	ppbv	99
11) Trichlorofluoromethane	1.884	101	208347	12.088	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	159759	11.873	ppbv	99
13) Ethanol	1.725	45	20945	8.018	ppbv	97
14) Bromoethene	1.787	108	56599	10.972	ppbv	96
15) Acetone	1.839	43	155242	8.859	ppbv	99
16) 1,3-Butadiene	1.615	39	76961	9.851	ppbv	96
17) tert-Butyl alcohol	2.042	59	218371	9.494	ppbv	98
18) 1,1-Dichloroethene	2.039	96	68084	10.867	ppbv	97
19) Isopropyl Alcohol	1.890	45	85843	8.669	ppbv #	86
20) Methylene Chloride	2.068	84	62130	12.206	ppbv	94
21) Allyl Chloride	2.101	41	105808	8.975	ppbv	94
22) trans-1,2-Dichloroethene	2.347	96	76709	10.712	ppbv	91
23) Vinyl Acetate	2.466	43	206003	9.738	ppbv #	99
24) 1,1-Dichloroethane	2.415	63	151136	10.934	ppbv	97
25) Ethyl Acetate	2.839	43	366636	9.701	ppbv	99
26) Hexane	2.832	57	165056	9.961	ppbv	99
27) Carbon Disulfide	2.156	76	192516	11.380	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	86340	10.615	ppbv	97
29) Chloroform	2.855	83	275636	11.703	ppbv	98
30) Cyclohexane	3.865	84	139919	10.072	ppbv	94
31) cis-1,2-Dichloroethene	2.725	61	169792	10.309	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	281780	11.224	ppbv	99
34) 2-Butanone	2.560	43	230835	9.898	ppbv	100
35) Carbon Tetrachloride	3.771	117	296279	11.814	ppbv	96
36) Benzene	3.664	78	336842	10.646	ppbv	98
37) 1,2-Dichloroethane	3.224	62	211067	11.404	ppbv	98
38) Trichloroethene	4.557	130	136063	10.991	ppbv	98
39) 1,2-Dichloropropane	4.321	63	121342	10.478	ppbv	94
40) 1,4-Dioxane	4.586	88	44549	8.557	ppbv #	92
41) Tetrahydrofuran	3.059	42	123505	9.590	ppbv	98
42) Bromodichloromethane	4.496	83	296882	11.628	ppbv	97
43) Methyl Methacrylate	4.884	69	157030	9.350	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	560933	10.322	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	124214	7.934	ppbv	97

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

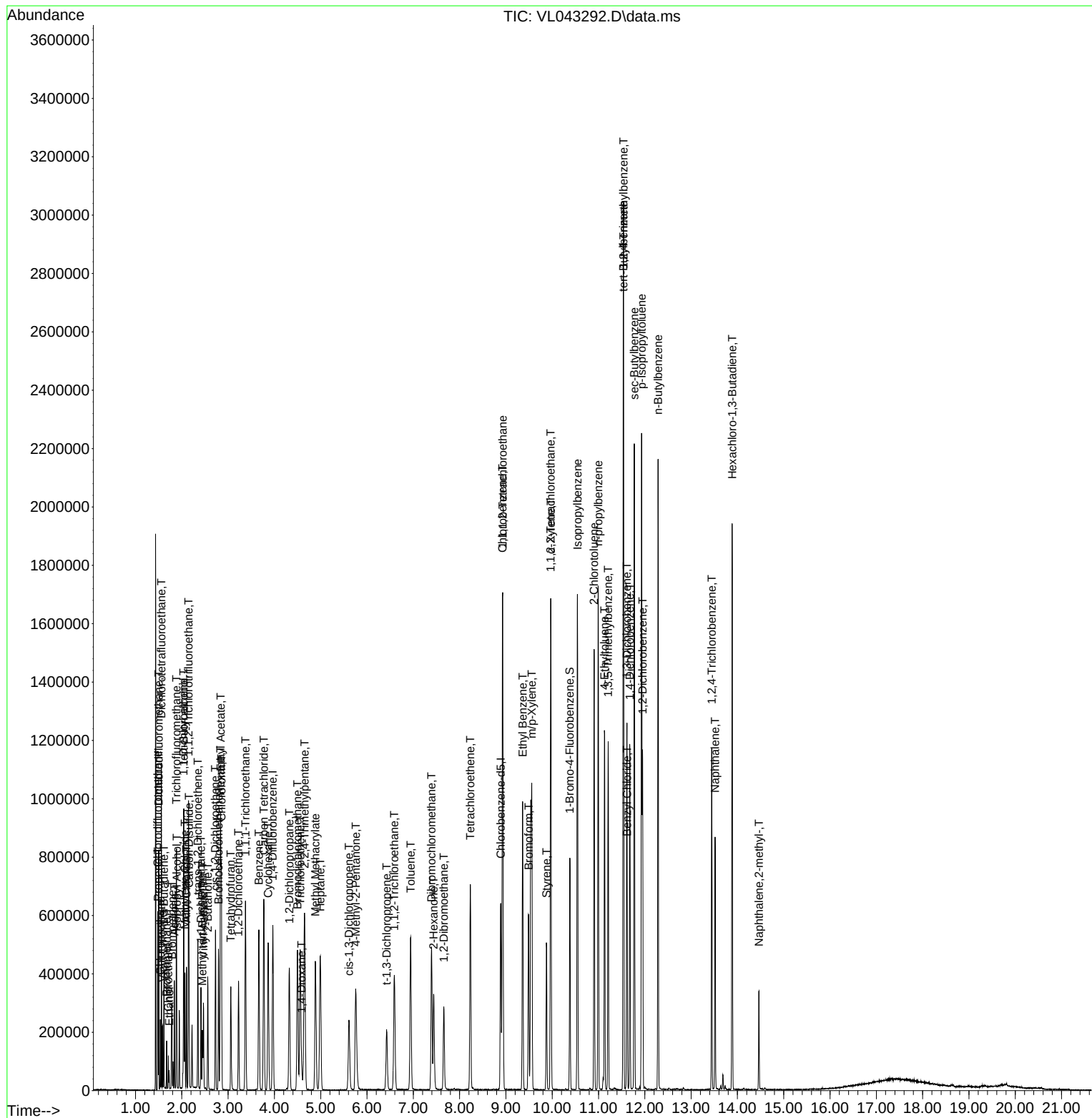
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	150697	8.197	ppbv	97
47) 1,1,2-Trichloroethane	6.590	97	132966	10.819	ppbv	89
48) Dibromochloromethane	7.393	129	245129	11.601	ppbv	99
49) Bromoform	9.490	173	210532	11.249	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	306398	9.326	ppbv	99
51) 2-Hexanone	7.438	43	217535	8.527	ppbv #	100
52) Tetrachloroethene	8.231	164	125569	10.669	ppbv	98
53) Toluene	6.943	91	377598	10.078	ppbv	99
54) 1,2-Dibromoethane	7.658	107	184265	10.188	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.930	131	226254	11.805	ppbv	98
57) Chlorobenzene	8.927	112	299248	11.176	ppbv	96
58) Ethyl Benzene	9.361	91	532113	10.601	ppbv	100
59) m/p-Xylene	9.558	91	401252	9.970	ppbv #	16
60) o-Xylene	9.969	91	433850	10.791	ppbv	97
61) Styrene	9.875	104	170523	9.691	ppbv	99
62) Isopropylbenzene	10.545	105	782083	10.873	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	270755	10.584	ppbv	99
64) n-propylbenzene	10.995	120	198097	10.719	ppbv	98
65) tert-Butylbenzene	11.536	119	679288	10.575	ppbv	99
66) Benzyl Chloride	11.620	91	33251	5.101	ppbv	99
67) sec-Butylbenzene	11.772	105	950539	10.601	ppbv	99
69) p-Isopropyltoluene	11.930	119	794465	10.460	ppbv	99
70) n-Butylbenzene	12.286	91	766060	10.396	ppbv	100
71) 2-Chlorotoluene	10.904	91	581216	10.513	ppbv	100
72) 4-Ethyltoluene	11.131	105	522973	10.682	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	437835	10.656	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	483676	10.787	ppbv	92
75) 1,3-Dichlorobenzene	11.613	146	289929	11.080	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	288002	11.005	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	274351	10.906	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	210733	10.037	ppbv	99
79) Naphthalene	13.516	128	392809	9.864	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	90880	8.694	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	199764	11.216	ppbv	96

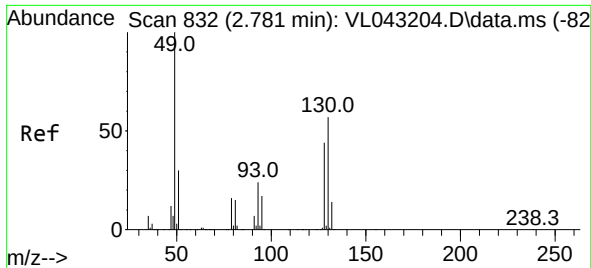
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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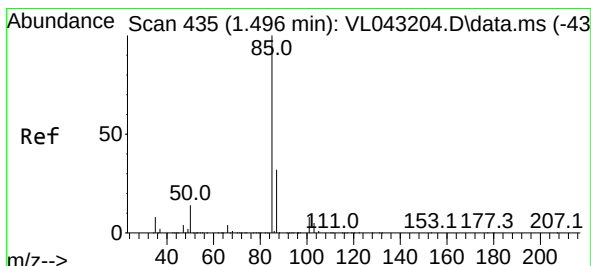
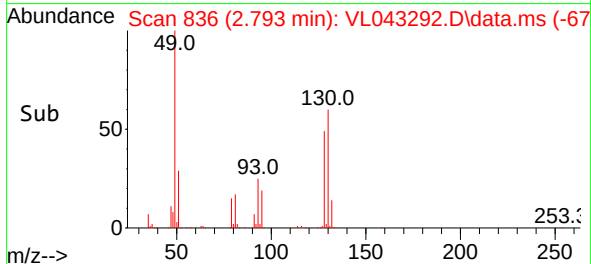
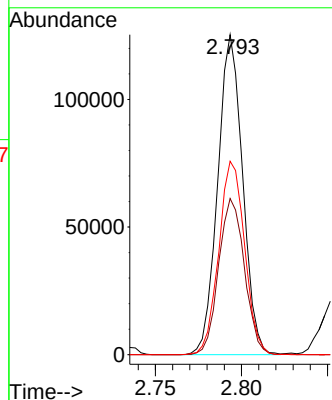
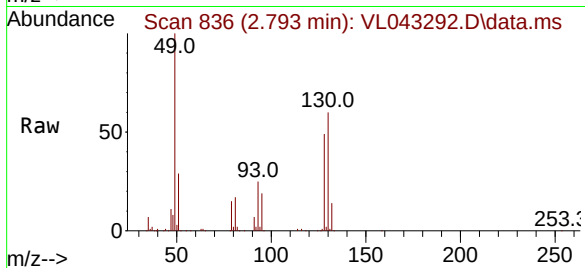




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.012 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

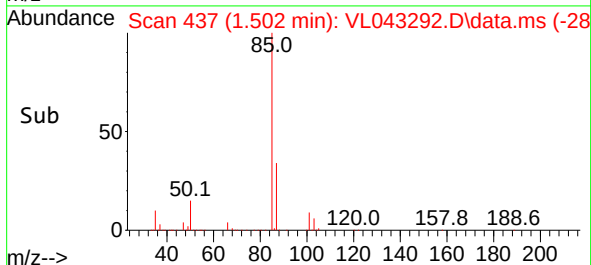
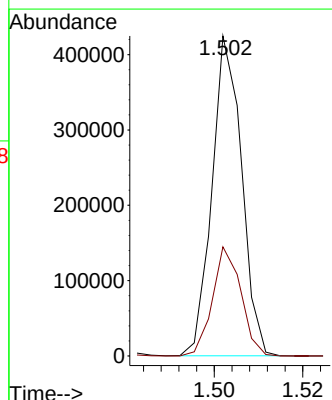
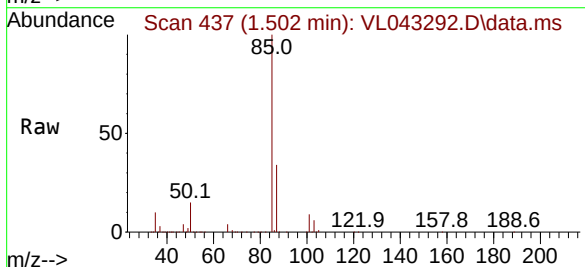
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

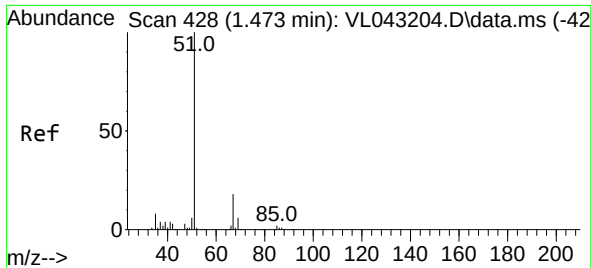
Tgt Ion: 49 Resp: 126127
Ion Ratio Lower Upper
49 100
128 50.6 23.0 69.0
130 62.8 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 11.083 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 85 Resp: 197164
Ion Ratio Lower Upper
85 100
87 34.1 25.4 38.2

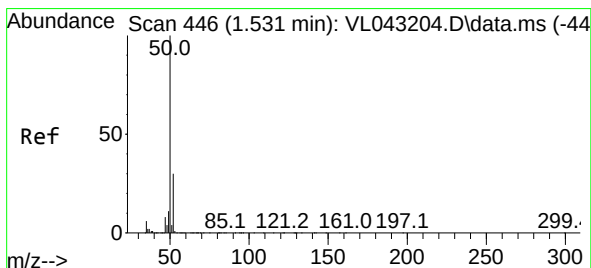
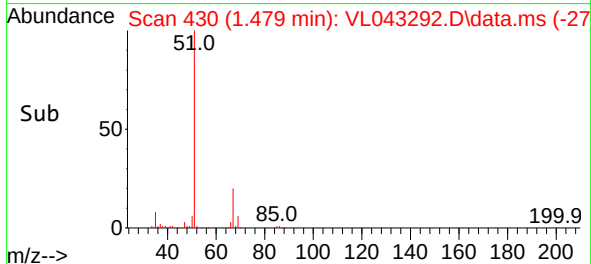
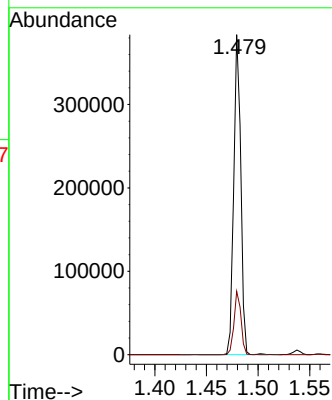
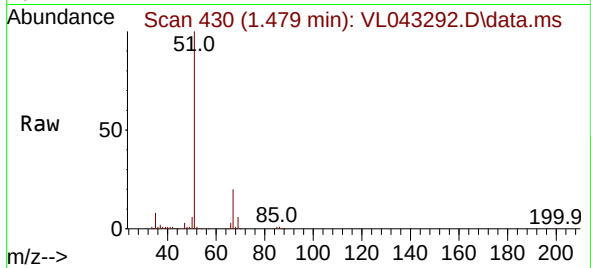




#3
Chlorodifluoromethane
Concen: 10.462 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

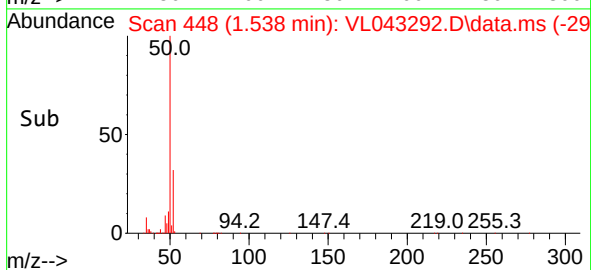
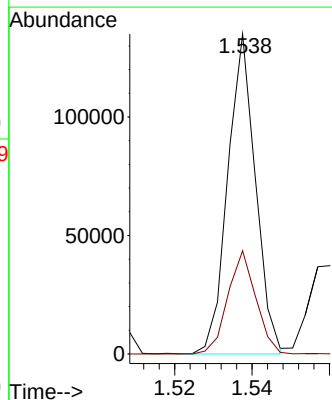
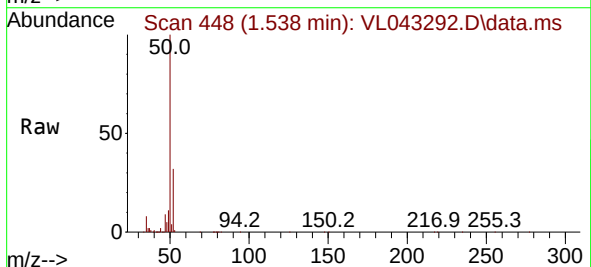
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

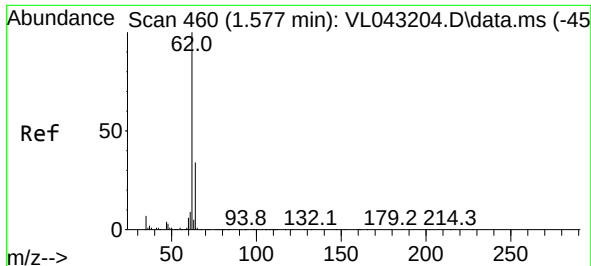
Tgt Ion: 51 Resp: 183025
Ion Ratio Lower Upper
51 100
67 19.6 14.9 22.3



#4
Chloromethane
Concen: 10.111 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 50 Resp: 67250
Ion Ratio Lower Upper
50 100
52 32.2 24.1 36.1

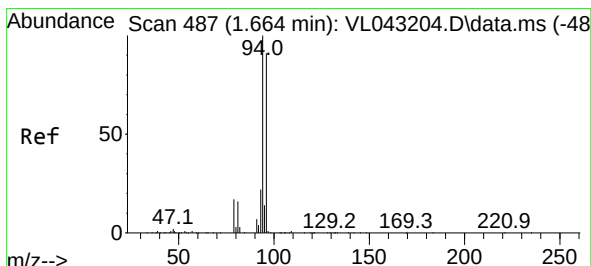
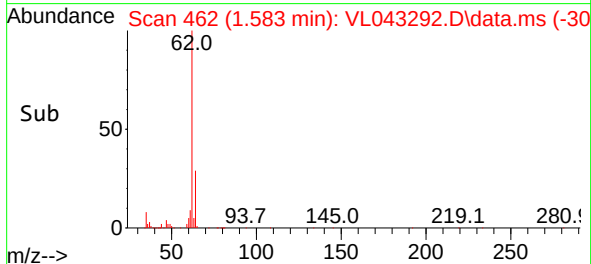
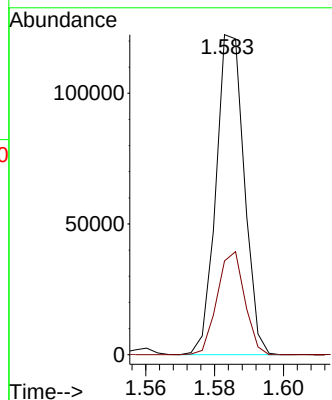
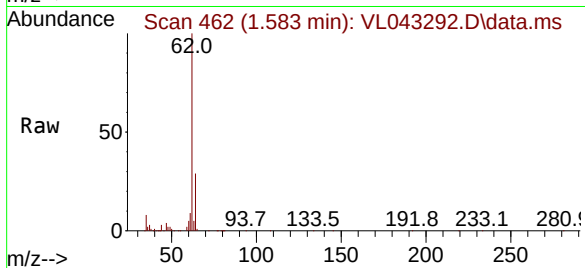




#5
 Vinyl Chloride
 Concen: 9.604 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

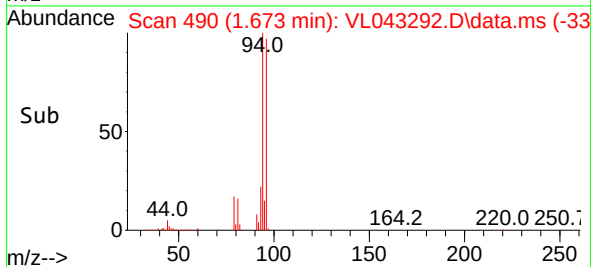
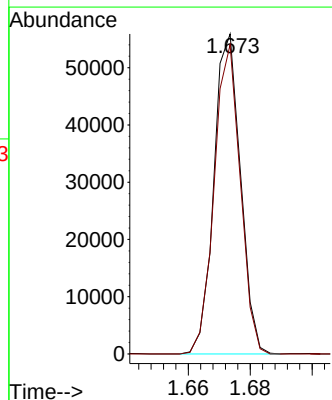
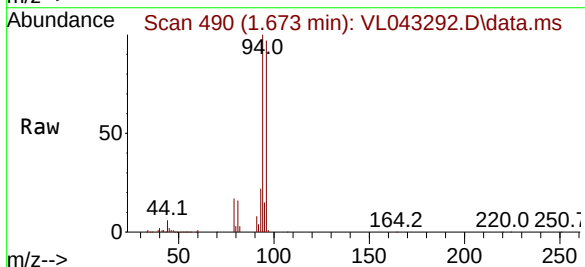
Instrument :
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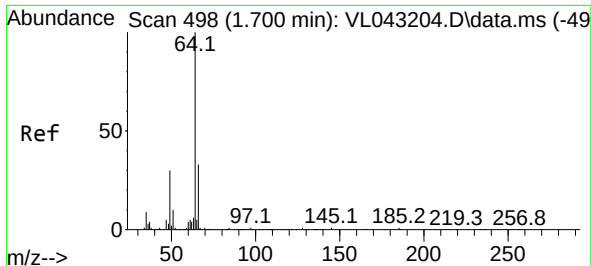
Tgt Ion: 62 Resp: 69859
 Ion Ratio Lower Upper
 62 100
 64 29.3 27.3 40.9



#6
 Bromomethane
 Concen: 9.437 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion: 94 Resp: 33274
 Ion Ratio Lower Upper
 94 100
 96 96.7 72.9 109.3

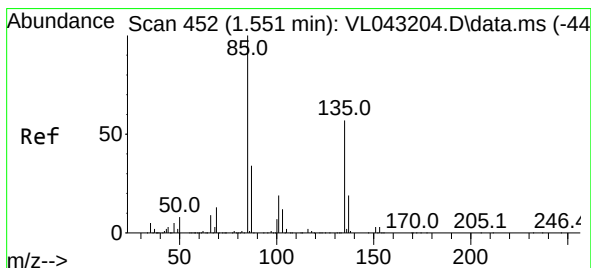
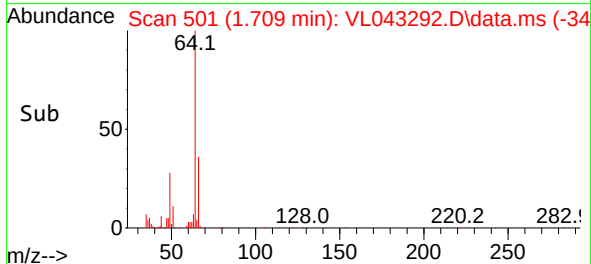
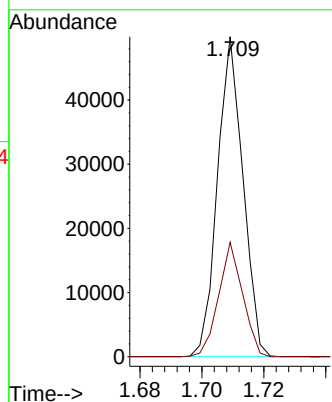
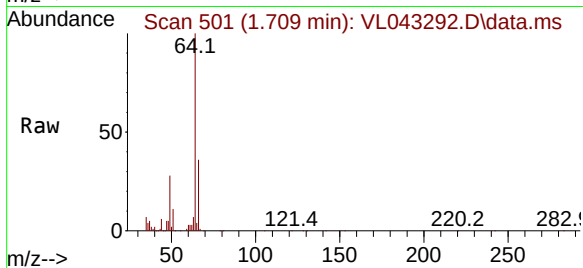




#7
Chloroethane
Concen: 10.069 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

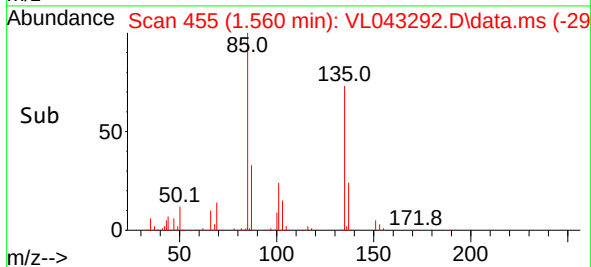
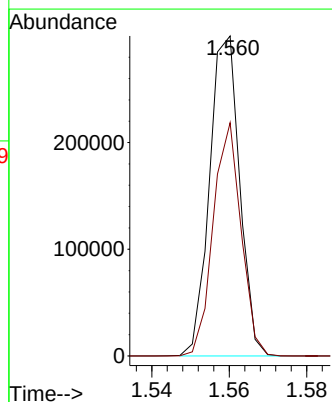
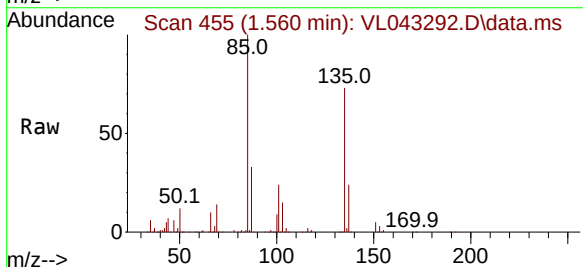
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

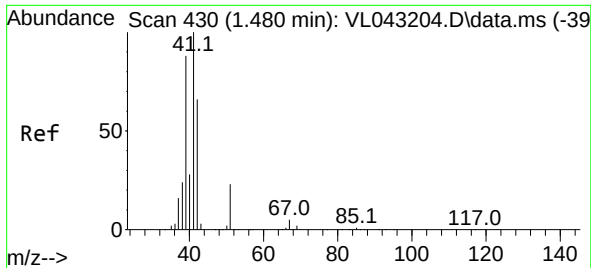
Tgt Ion: 64 Resp: 28524
Ion Ratio Lower Upper
64 100
66 35.7 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 10.927 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 85 Resp: 161706
Ion Ratio Lower Upper
85 100
135 67.6 52.6 79.0





#9

Propene

Concen: 9.471 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

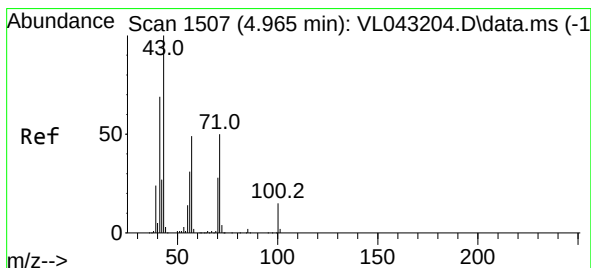
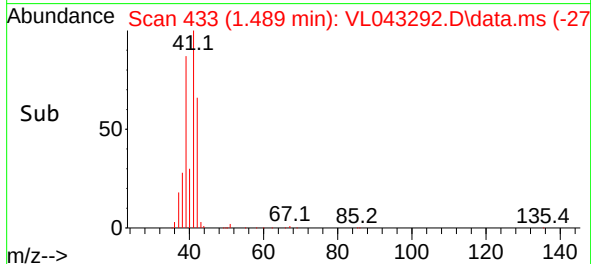
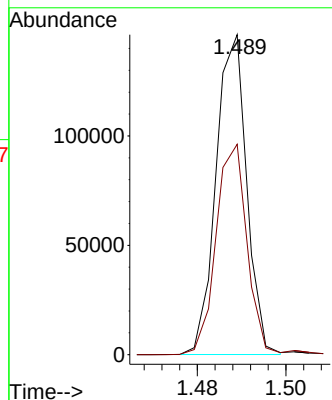
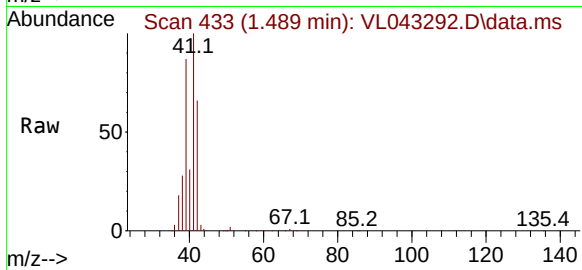
VSTDCCC010

Tgt Ion: 41 Resp: 70360

Ion Ratio Lower Upper

41 100

42 67.6 3.7 5.5#



#10

Heptane

Concen: 9.347 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.026 min

Lab File: VL043292.D

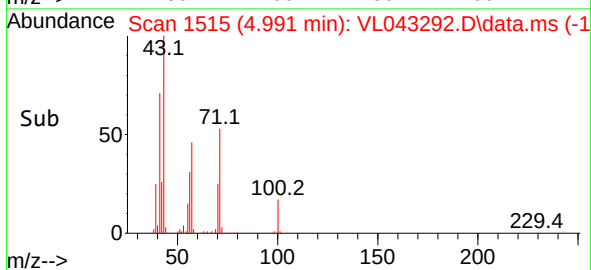
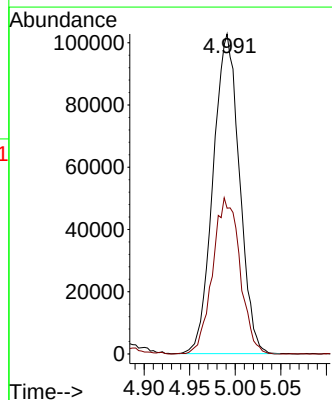
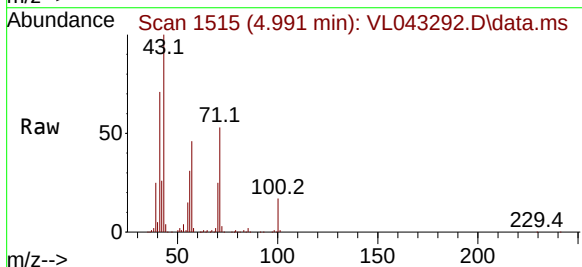
Acq: 02 Dec 2025 09:31

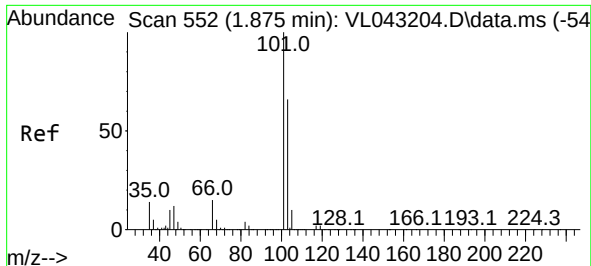
Tgt Ion: 43 Resp: 206666

Ion Ratio Lower Upper

43 100

57 50.6 39.7 59.5

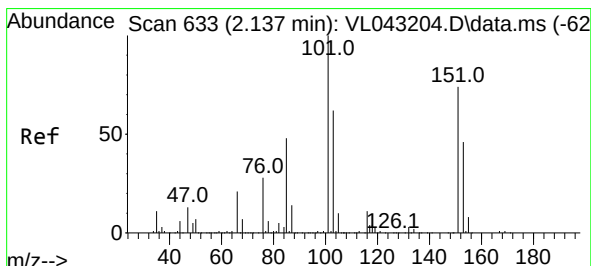
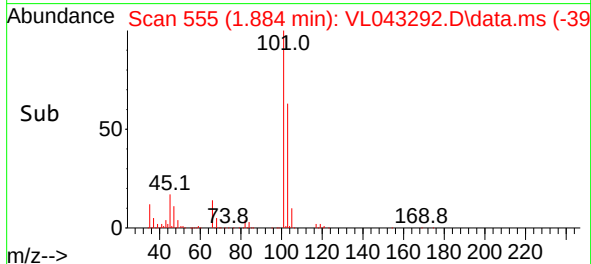
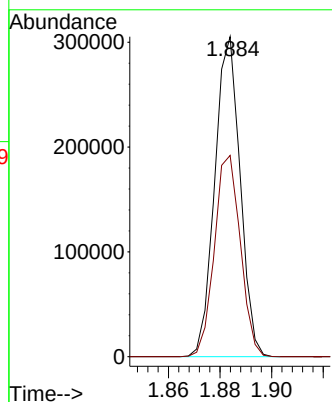
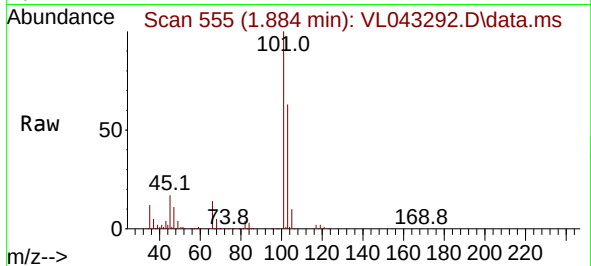




#11
 Trichlorofluoromethane
 Concen: 12.088 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

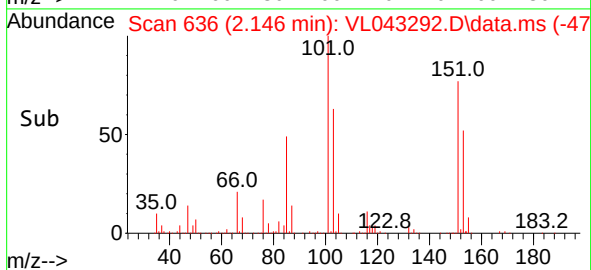
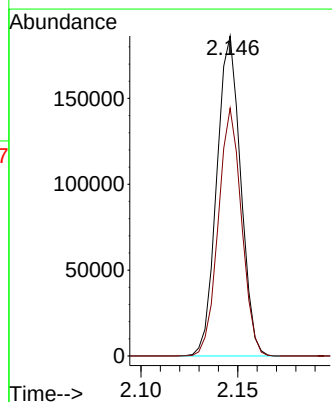
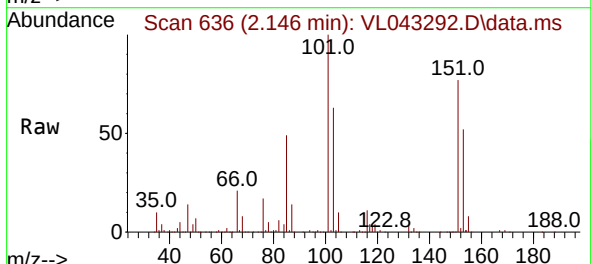
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

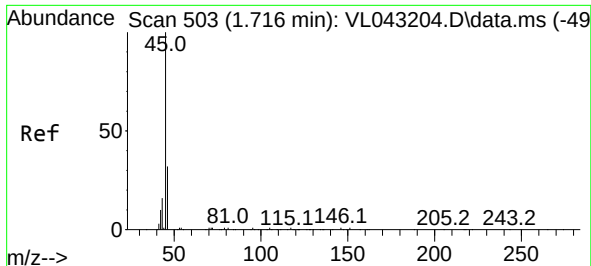
Tgt Ion:101 Resp: 208347
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.873 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion:101 Resp: 159759
 Ion Ratio Lower Upper
 101 100
 151 75.2 59.2 88.8

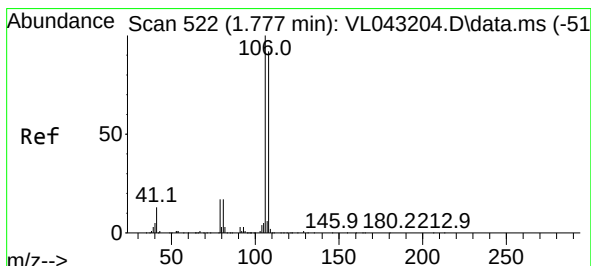
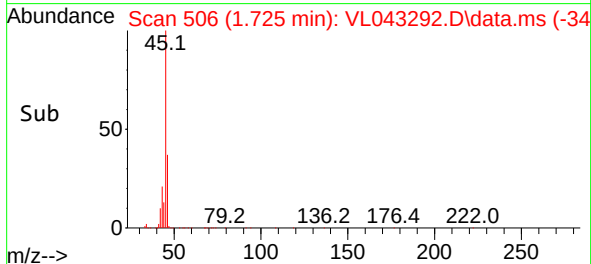
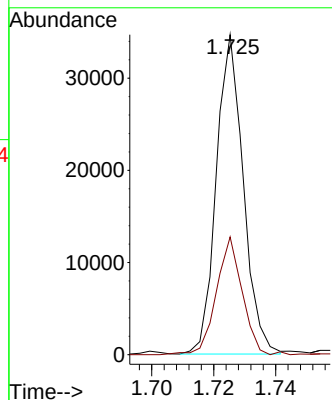
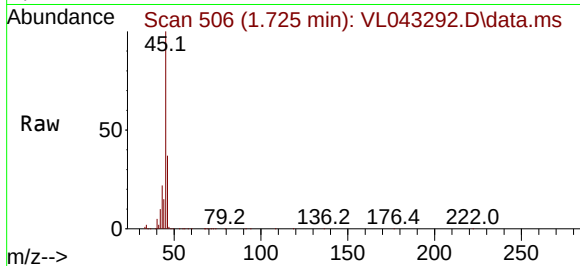




#13
Ethanol
Concen: 8.018 ppbv
RT: 1.725 min Scan# 503
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

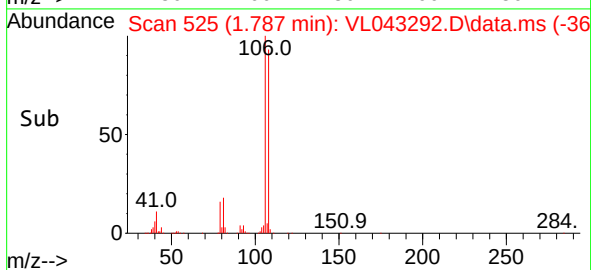
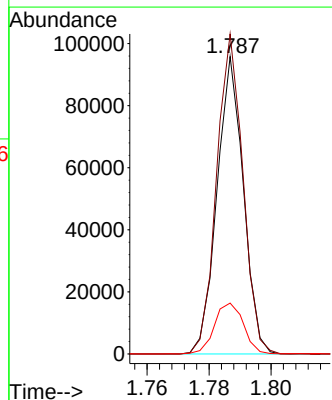
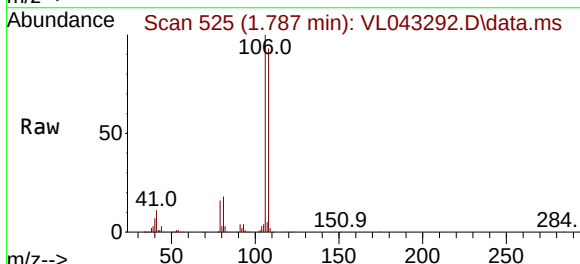
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

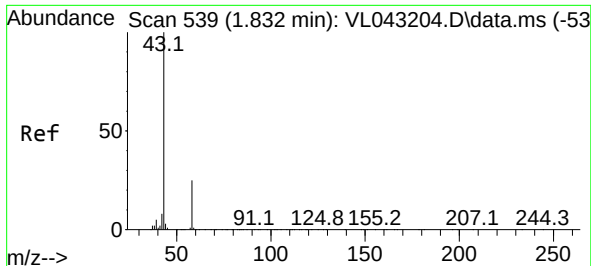
Tgt Ion: 45 Resp: 20945
Ion Ratio Lower Upper
45 100
46 35.7 15.0 59.8



#14
Bromoethene
Concen: 10.972 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 108 Resp: 56599
Ion Ratio Lower Upper
108 100
106 107.0 88.9 133.3
79 19.2 16.5 24.7

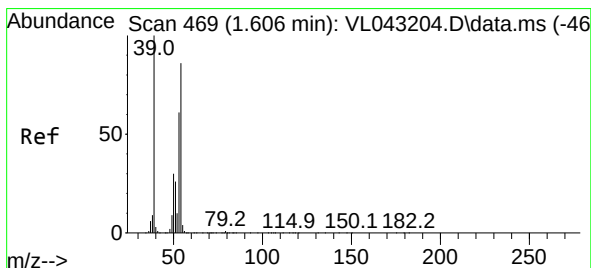
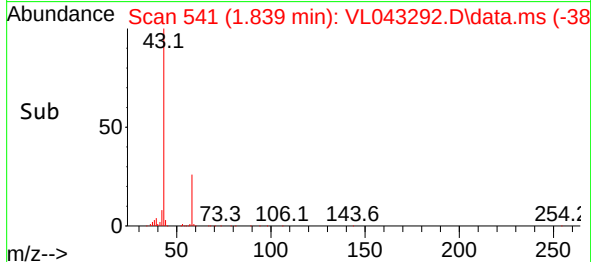
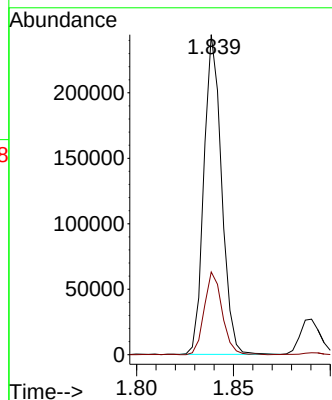
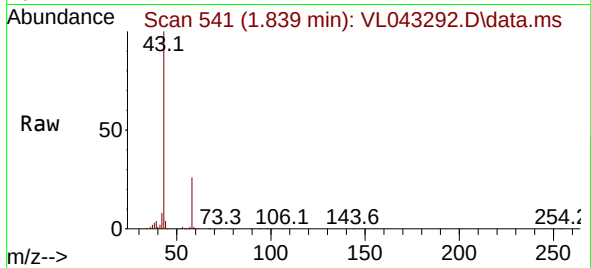




#15
Acetone
Concen: 8.859 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

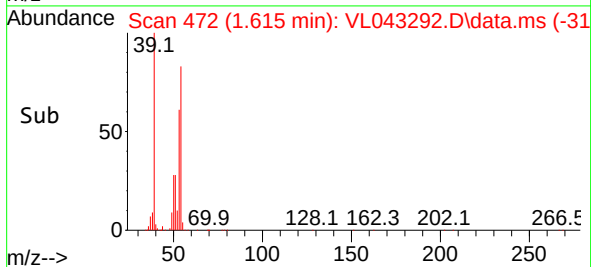
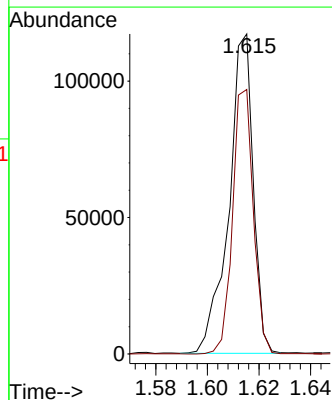
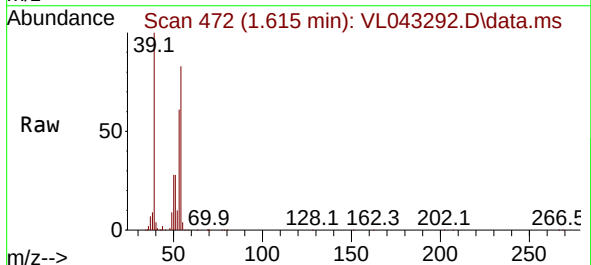
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

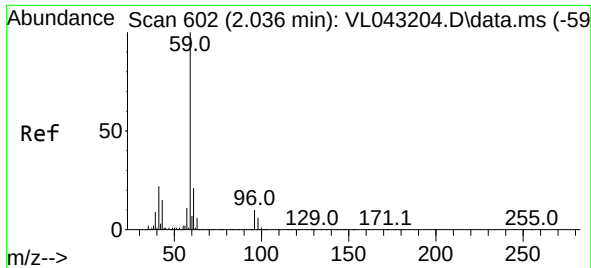
Tgt Ion: 43 Resp: 155242
Ion Ratio Lower Upper
43 100
58 26.3 20.7 31.1



#16
1,3-Butadiene
Concen: 9.851 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 39 Resp: 76961
Ion Ratio Lower Upper
39 100
54 71.1 59.4 89.2





#17

tert-Butyl alcohol

Concen: 9.494 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

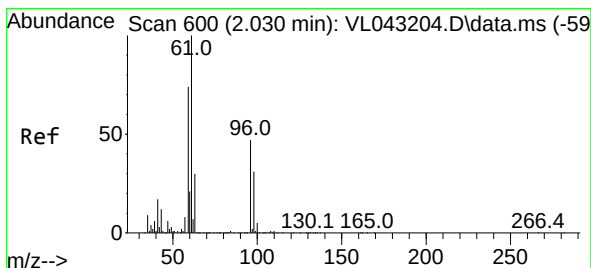
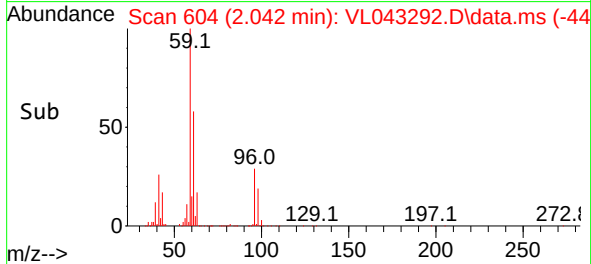
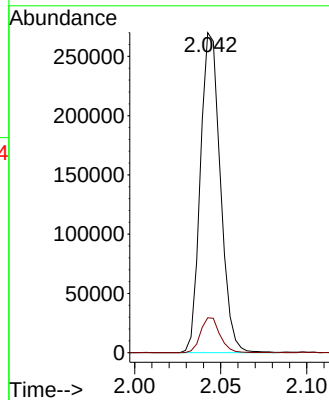
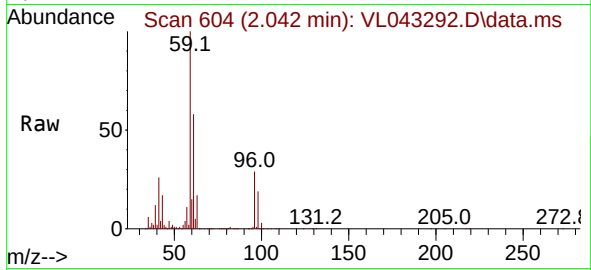
VSTDCCC010

Tgt Ion: 59 Resp: 218371

Ion Ratio Lower Upper

59 100

57 10.6 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.867 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

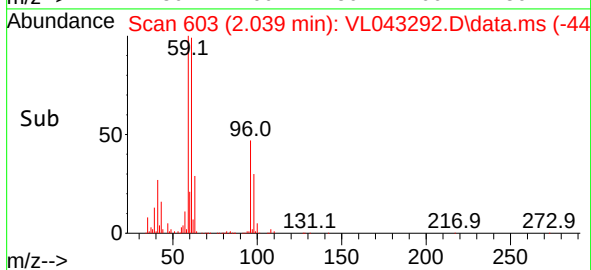
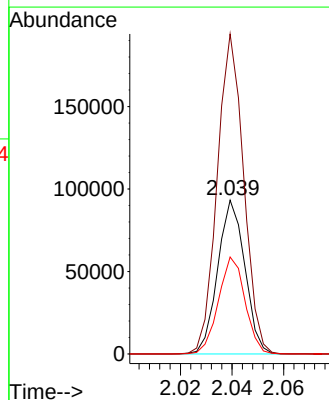
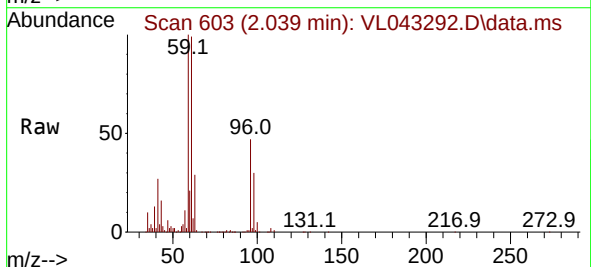
Tgt Ion: 96 Resp: 68084

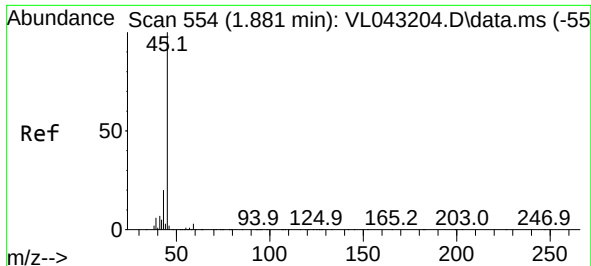
Ion Ratio Lower Upper

96 100

61 207.9 170.6 255.8

98 63.0 52.2 78.4

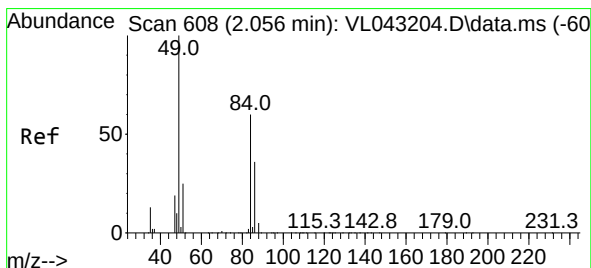
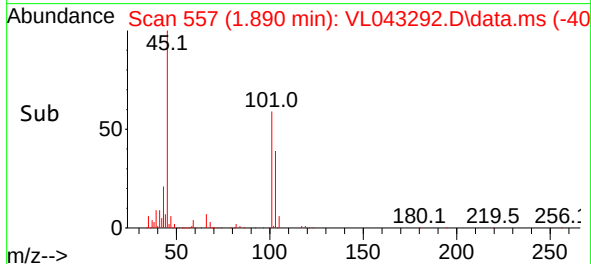
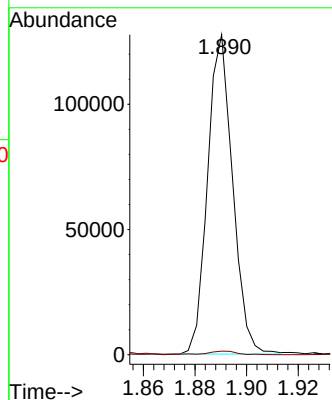
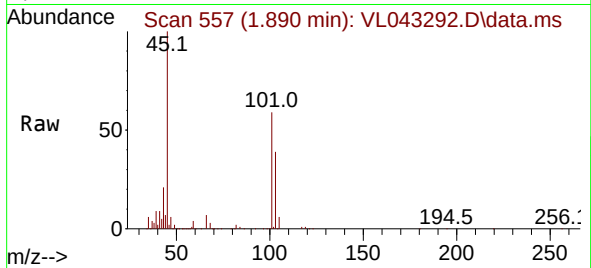




#19
Isopropyl Alcohol
Concen: 8.669 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

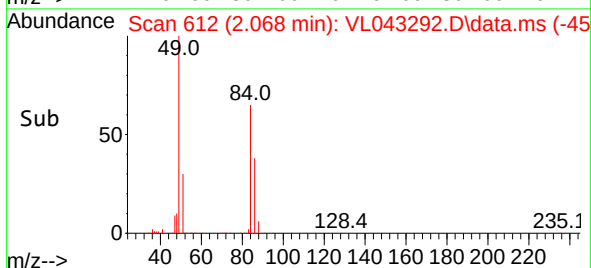
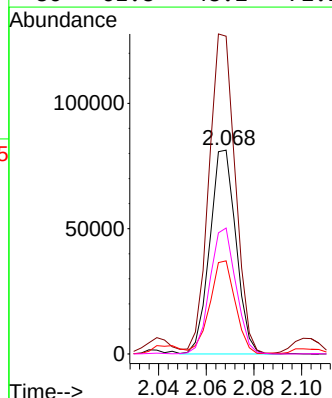
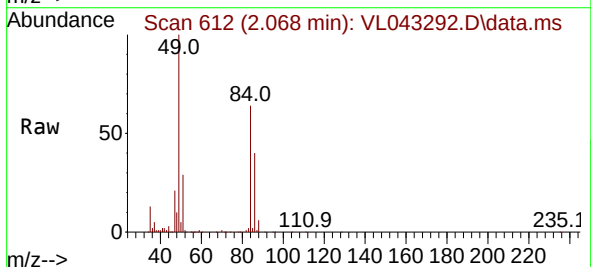
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

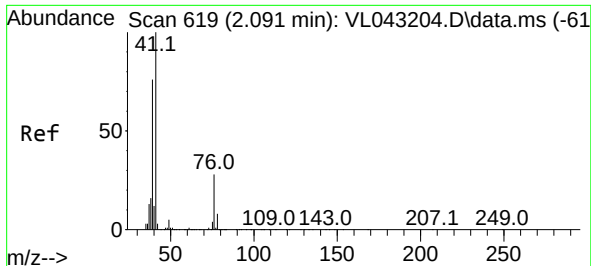
Tgt Ion: 45 Resp: 85843
Ion Ratio Lower Upper
45 100
58 47.6 31.3 46.9#



#20
Methylene Chloride
Concen: 12.206 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.012 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 84 Resp: 62130
Ion Ratio Lower Upper
84 100
49 154.9 132.9 199.3
51 45.4 34.8 52.2
86 61.8 48.2 72.2

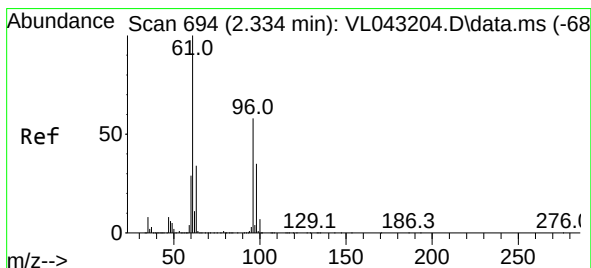
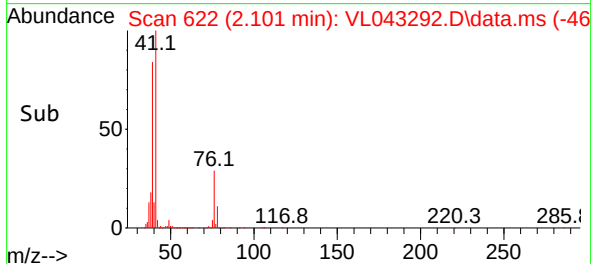
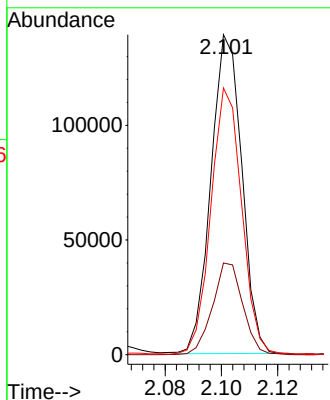
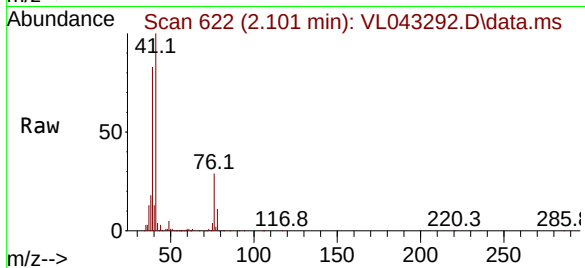




#21
 Allyl Chloride
 Concen: 8.975 ppbv
 RT: 2.101 min Scan# 619
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

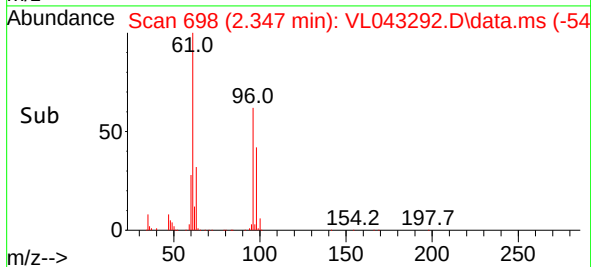
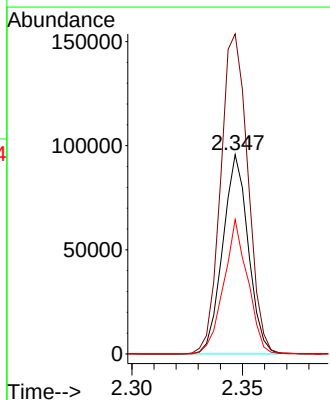
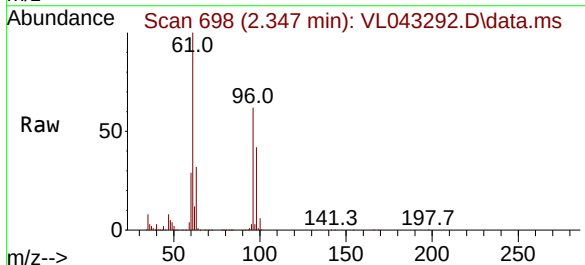
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

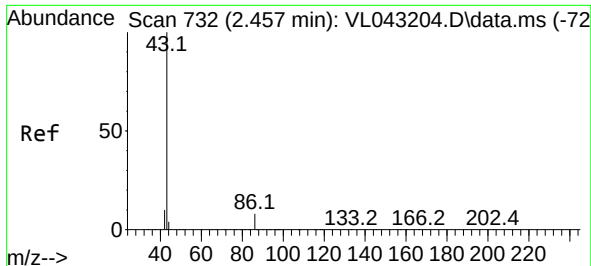
Tgt Ion: 41 Resp: 105808
 Ion Ratio Lower Upper
 41 100
 76 28.3 22.1 33.1
 39 83.1 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.712 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.013 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion: 96 Resp: 76709
 Ion Ratio Lower Upper
 96 100
 61 160.6 139.0 208.6
 98 67.4 49.4 74.2



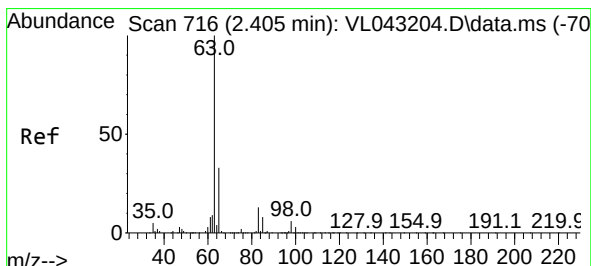
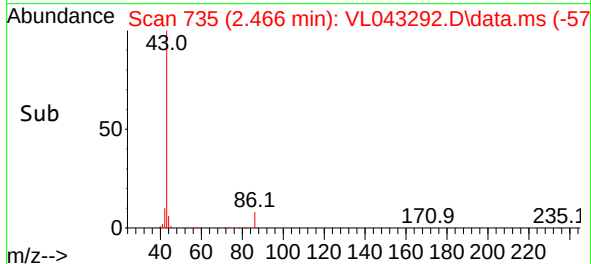
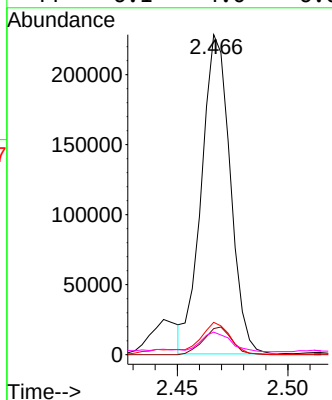
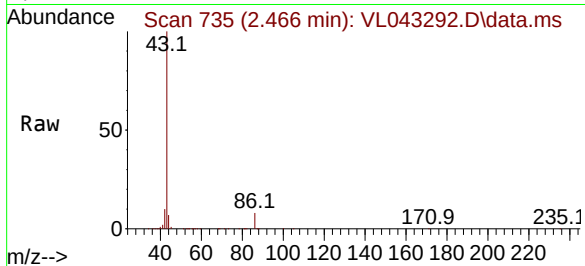


#23
 Vinyl Acetate
 Concen: 9.738 ppbv
 RT: 2.466 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 206003

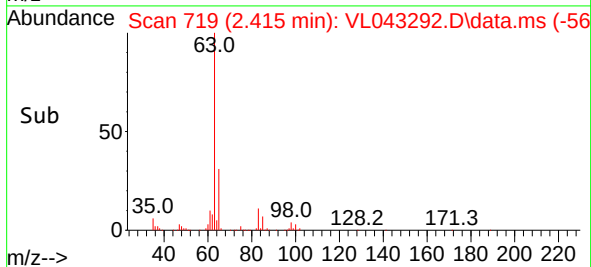
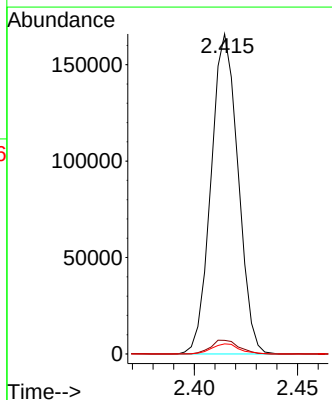
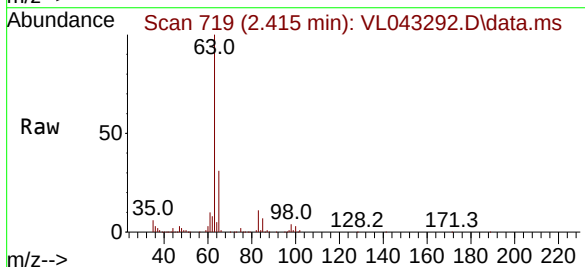
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.0	8.0	12.0
44	6.1	4.0	6.0

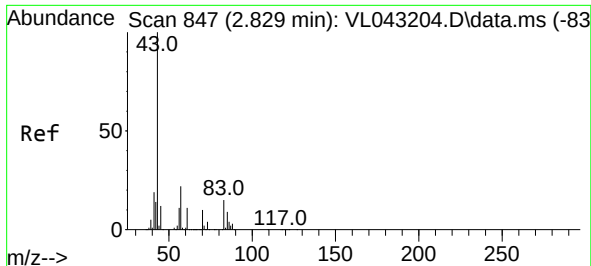


#24
 1,1-Dichloroethane
 Concen: 10.934 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion: 63 Resp: 151136

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.8	8.4
100	3.2	1.3	3.9



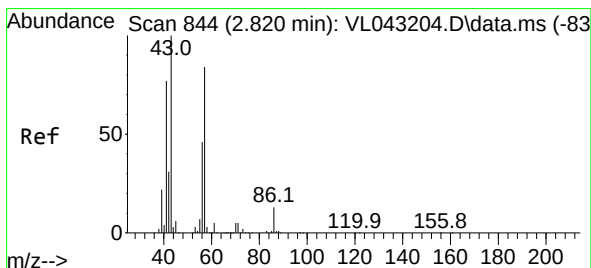
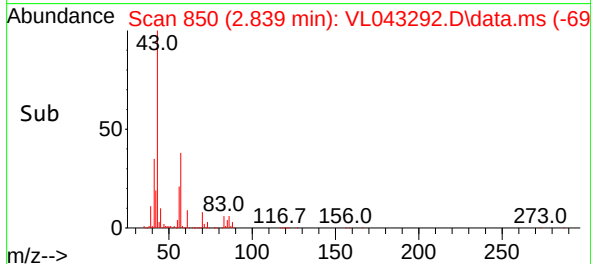
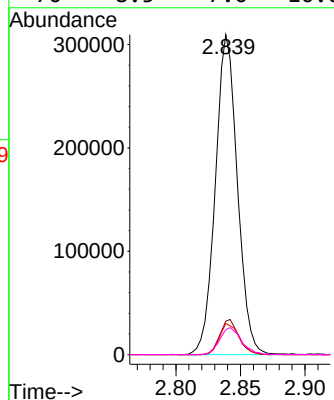
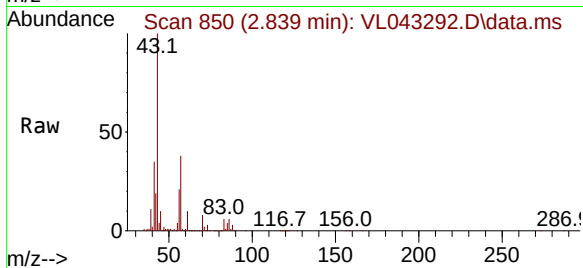


#25
Ethyl Acetate
Concen: 9.701 ppbv
RT: 2.839 min Scan# 847
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 366636

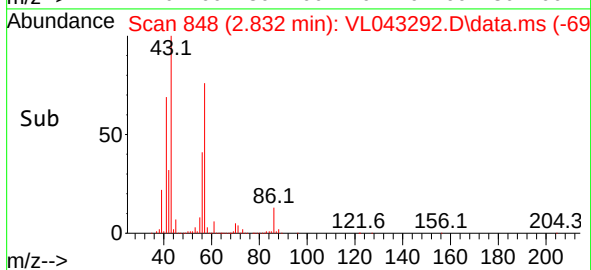
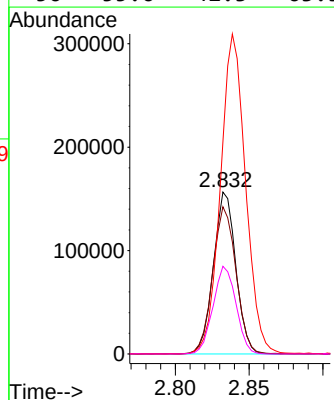
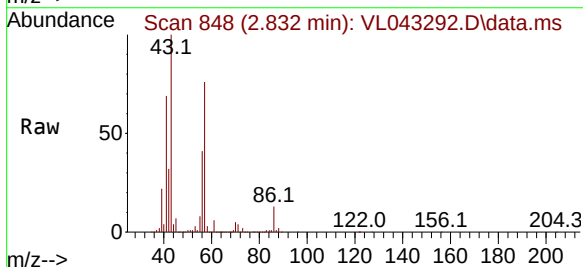
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.1	12.1
61	8.8	7.0	10.4
70	8.5	7.0	10.6

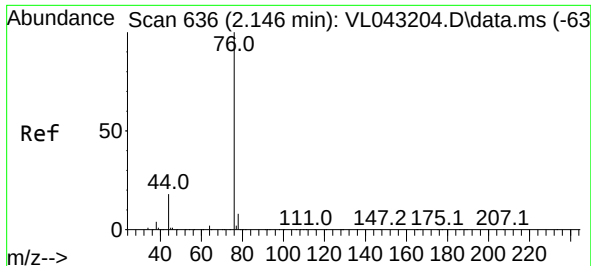


#26
Hexane
Concen: 9.961 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 57 Resp: 165056

Ion	Ratio	Lower	Upper
57	100		
41	95.6	74.6	111.8
43	222.9	179.0	268.4
56	55.6	42.3	63.5

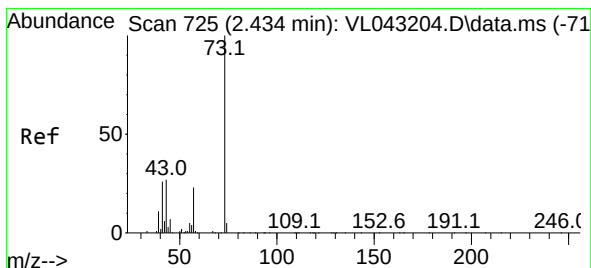
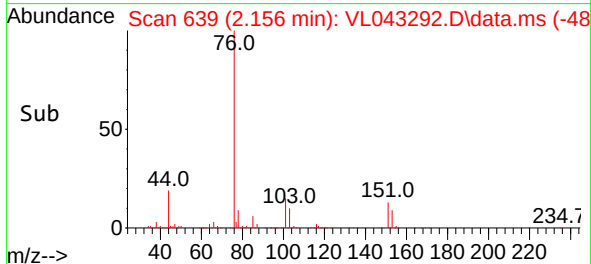
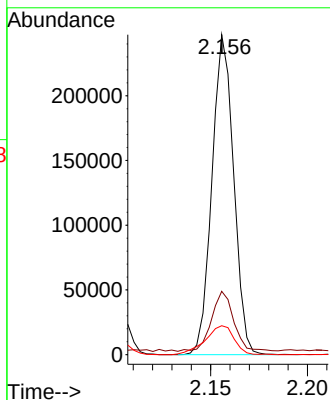
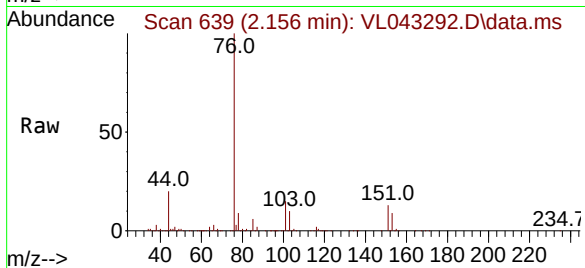




#27
Carbon Disulfide
Concen: 11.380 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

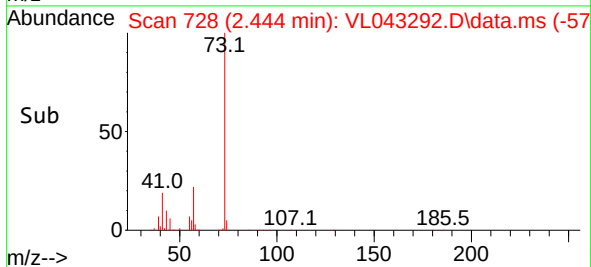
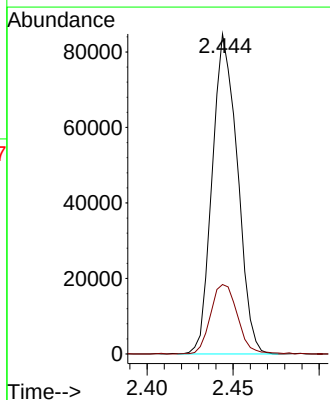
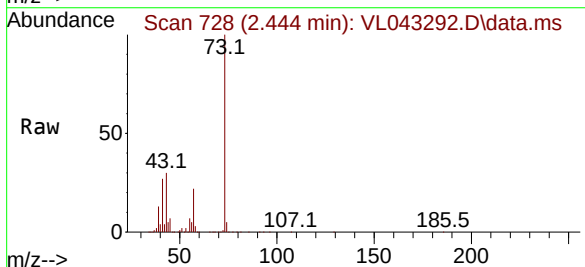
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

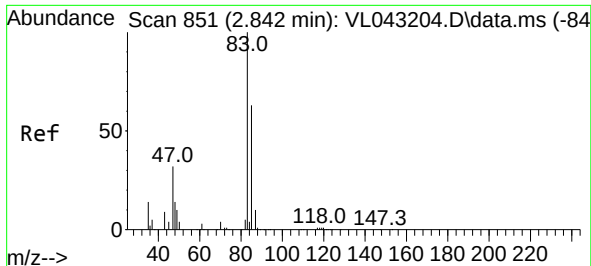
Tgt Ion: 76 Resp: 192516
Ion Ratio Lower Upper
76 100
44 21.6 16.1 24.1
78 12.0 9.6 14.4



#28
Methyl tert-Butyl Ether
Concen: 10.615 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 73 Resp: 86340
Ion Ratio Lower Upper
73 100
57 23.4 19.8 29.8

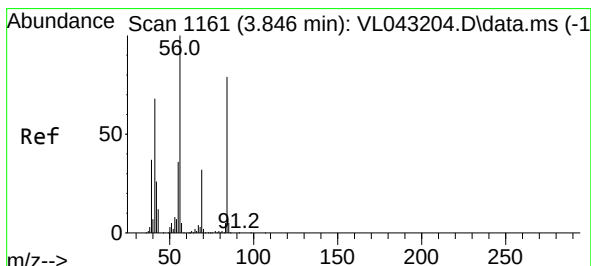
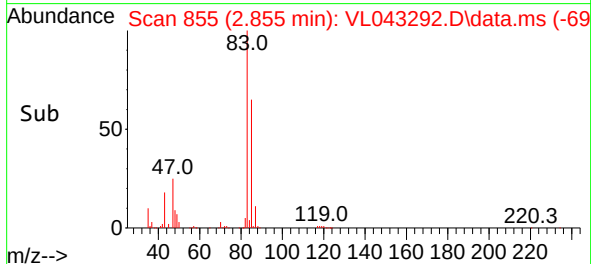
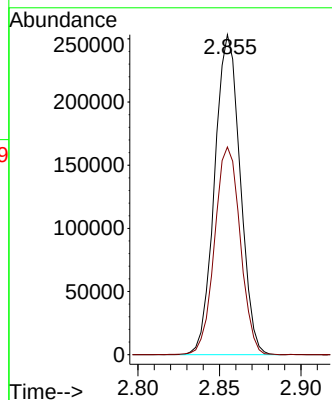
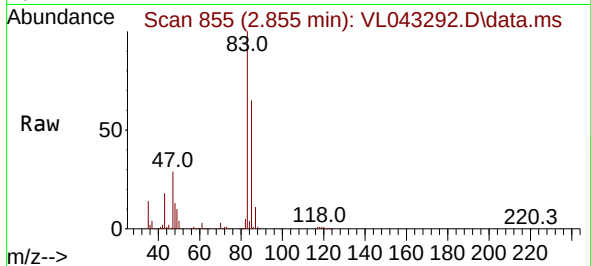




#29
Chloroform
Concen: 11.703 ppbv
RT: 2.855 min Scan# 851
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

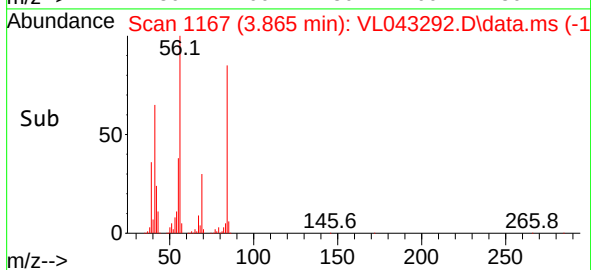
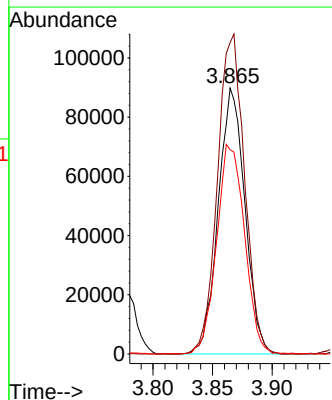
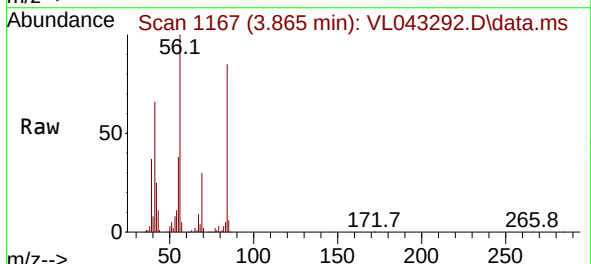
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

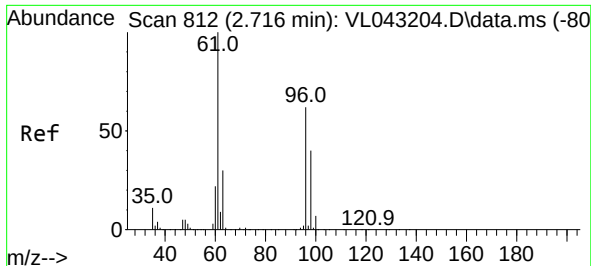
Tgt Ion: 83 Resp: 275636
Ion Ratio Lower Upper
83 100
85 64.9 50.5 75.7



#30
Cyclohexane
Concen: 10.072 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 84 Resp: 139919
Ion Ratio Lower Upper
84 100
56 121.9 104.7 157.1
41 82.5 69.0 103.6

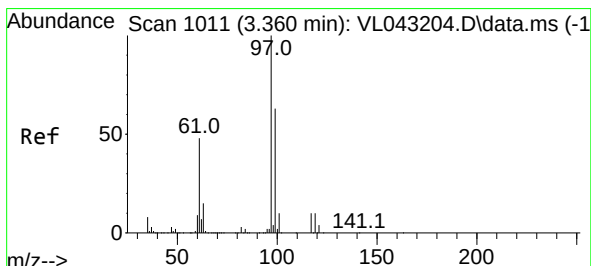
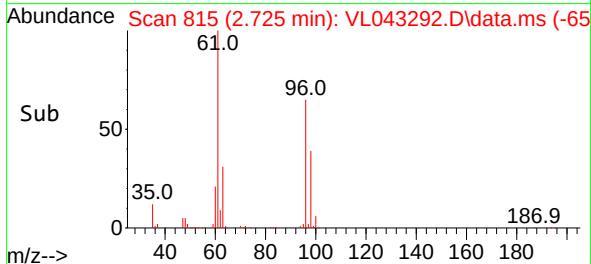
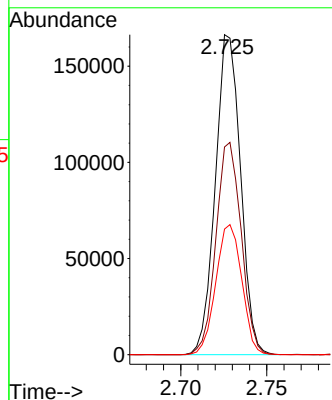
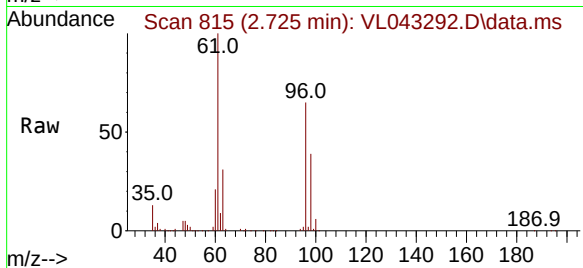




#31
 cis-1,2-Dichloroethene
 Concen: 10.309 ppbv
 RT: 2.725 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

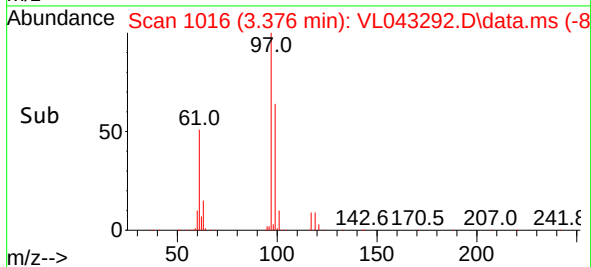
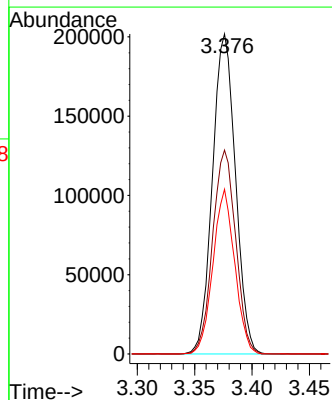
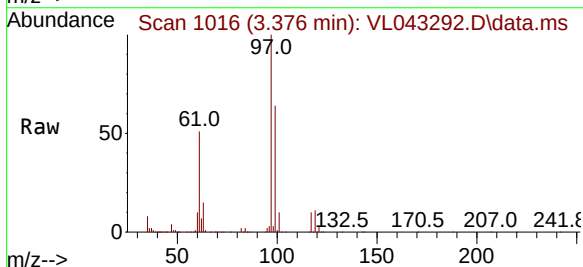
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

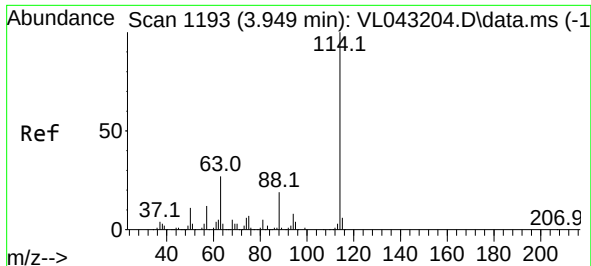
Tgt Ion: 61 Resp: 169792
 Ion Ratio Lower Upper
 61 100
 96 64.9 49.3 73.9
 98 39.3 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 11.224 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.016 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion: 97 Resp: 281780
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.3 75.5
 61 48.7 38.9 58.3

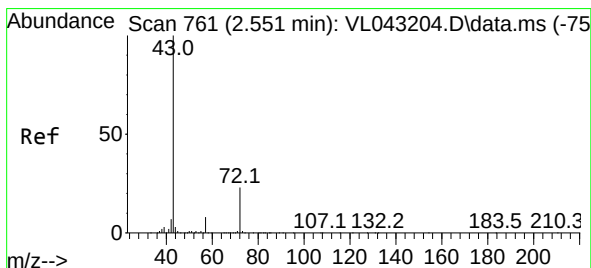
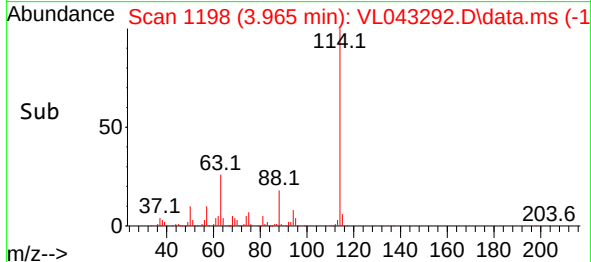
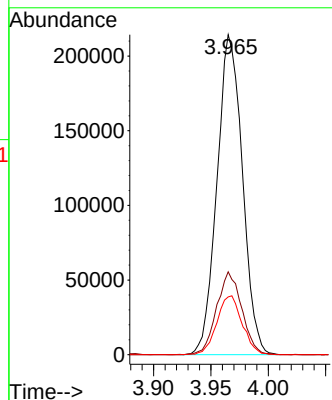
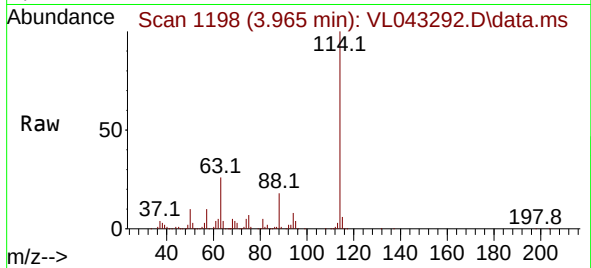




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1193
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

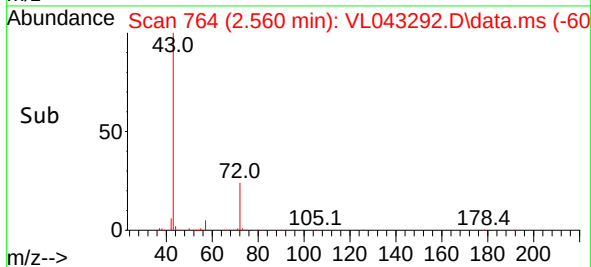
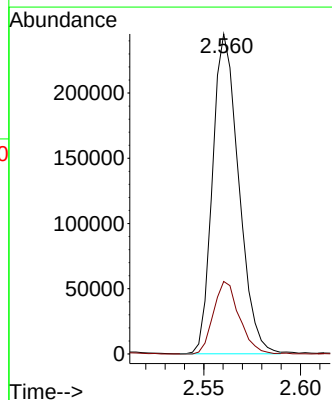
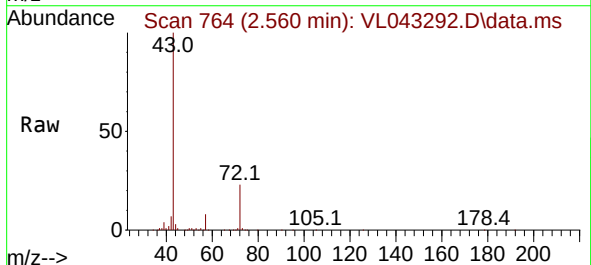
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

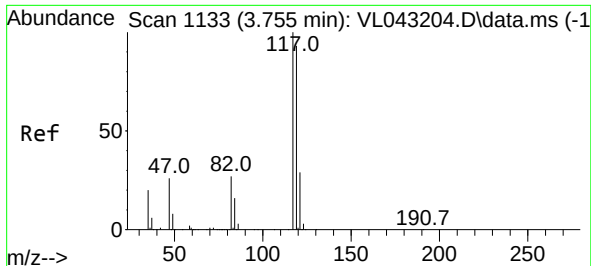
Tgt Ion:114 Resp: 330397
Ion Ratio Lower Upper
114 100
63 25.6 21.0 31.6
88 18.3 14.9 22.3



#34
2-Butanone
Concen: 9.898 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 43 Resp: 230835
Ion Ratio Lower Upper
43 100
72 22.4 18.1 27.1

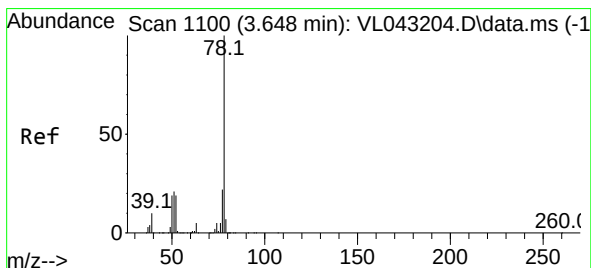
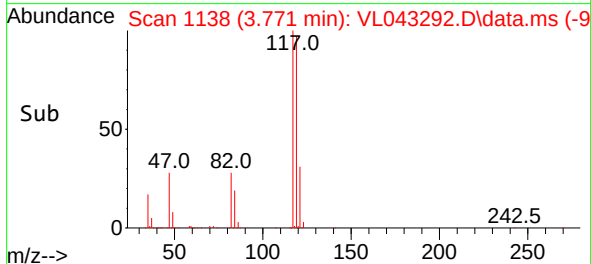
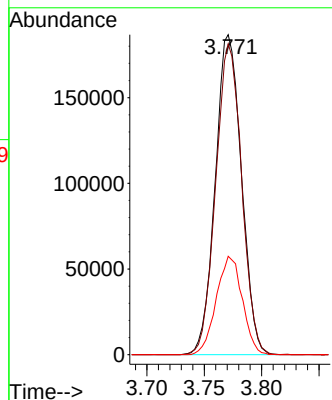
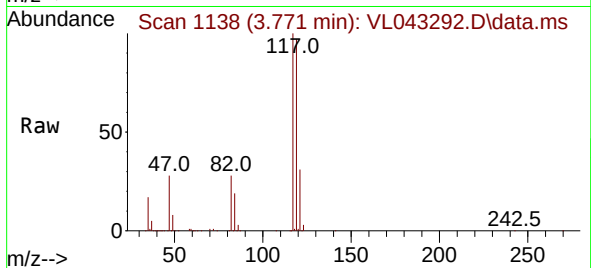




#35
Carbon Tetrachloride
Concen: 11.814 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

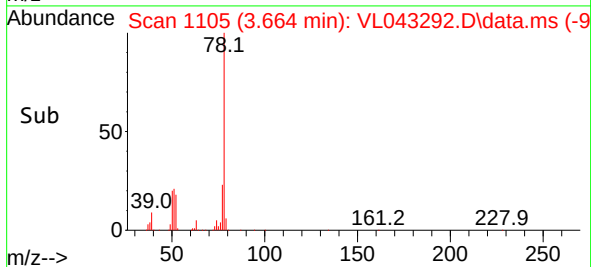
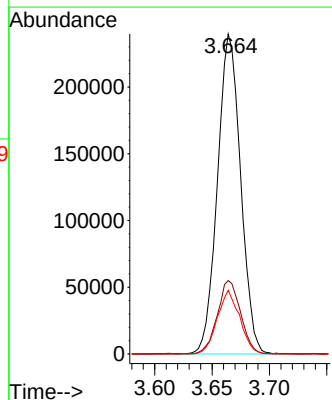
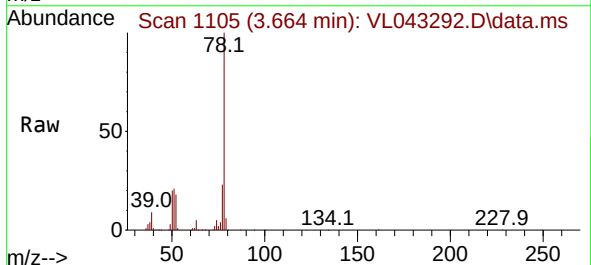
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

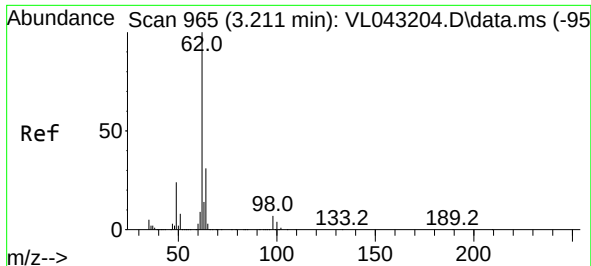
Tgt Ion:117 Resp: 296279
Ion Ratio Lower Upper
117 100
119 97.2 74.6 112.0
121 30.8 23.2 34.8



#36
Benzene
Concen: 10.646 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 78 Resp: 336842
Ion Ratio Lower Upper
78 100
77 22.9 17.5 26.3
50 19.9 15.5 23.3

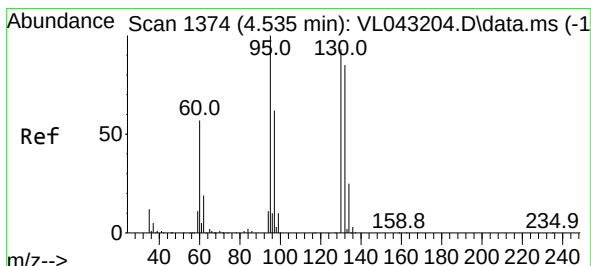
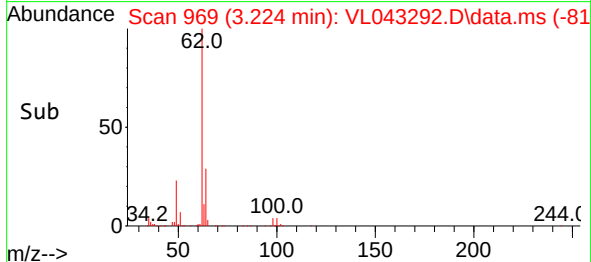
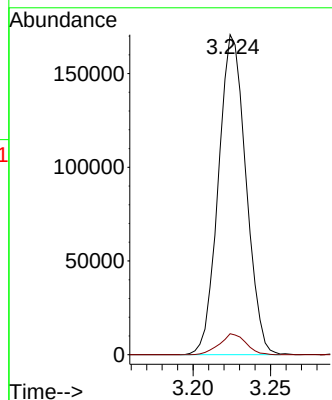
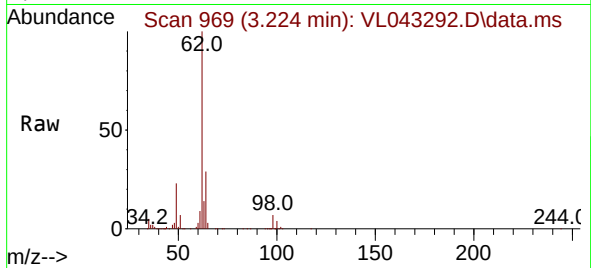




#37
1,2-Dichloroethane
Concen: 11.404 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

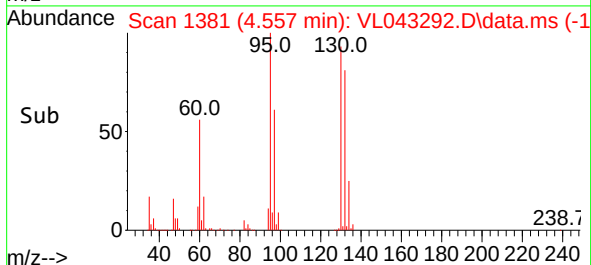
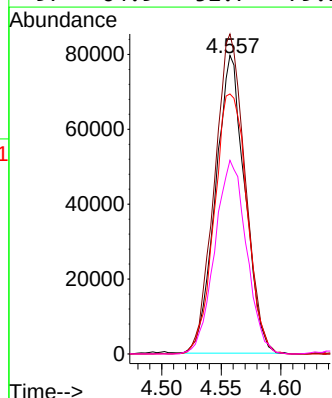
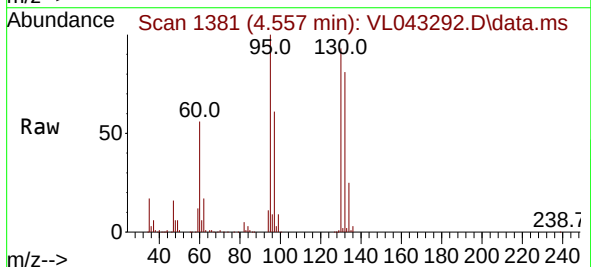
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

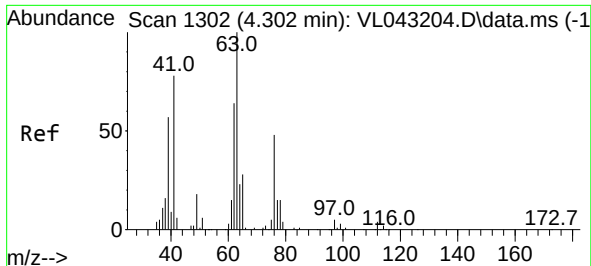
Tgt Ion: 62 Resp: 211067
Ion Ratio Lower Upper
62 100
98 6.2 5.5 8.3



#38
Trichloroethene
Concen: 10.991 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.022 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:130 Resp: 136063
Ion Ratio Lower Upper
130 100
95 107.1 85.7 128.5
132 87.2 73.4 110.0
97 64.9 52.7 79.1





#39

1,2-Dichloropropane

Concen: 10.478 ppbv

RT: 4.321 min Scan# 1

Delta R.T. 0.019 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

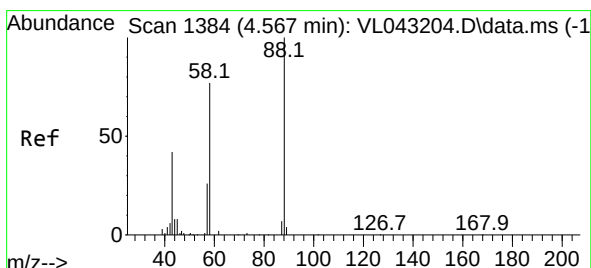
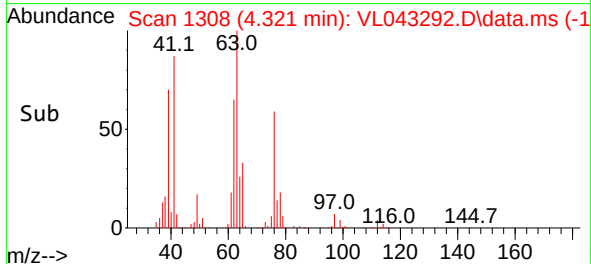
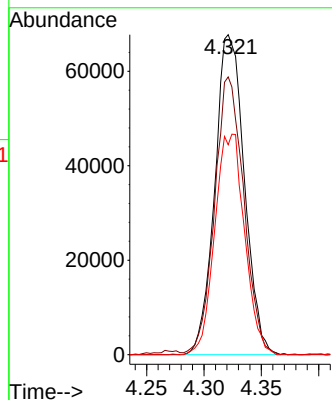
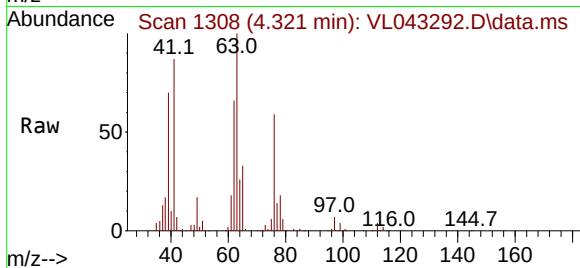
Tgt Ion: 63 Resp: 121342

Ion Ratio Lower Upper

63 100

41 86.7 62.6 93.8

62 65.6 51.0 76.6



#40

1,4-Dioxane

Concen: 8.557 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. 0.019 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Tgt Ion: 88 Resp: 44549

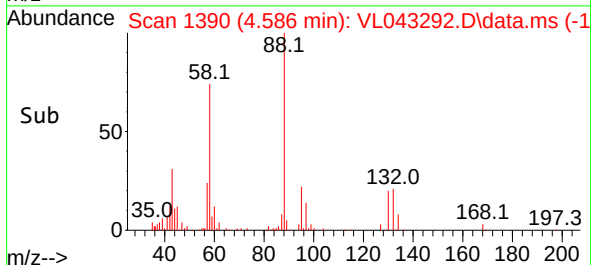
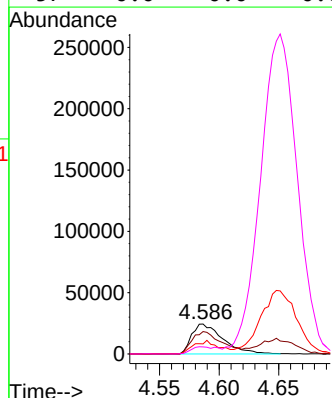
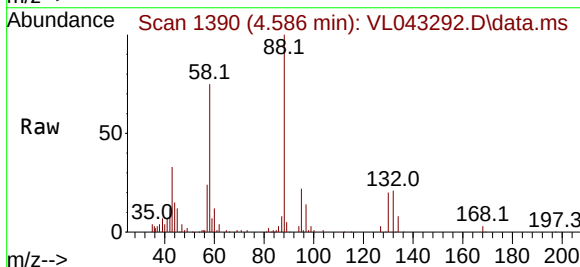
Ion Ratio Lower Upper

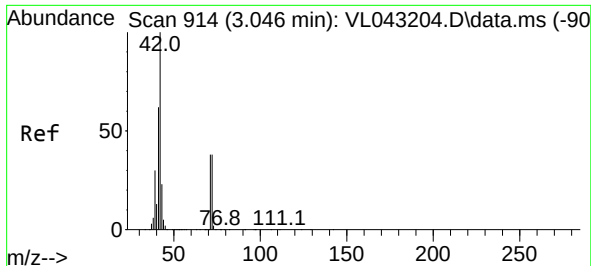
88 100

58 71.2 63.0 94.6

43 36.1 32.5 48.7

57 0.0 0.0 0.0

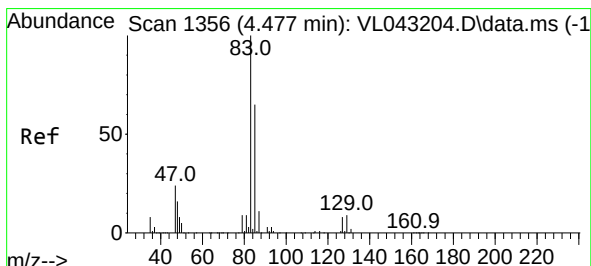
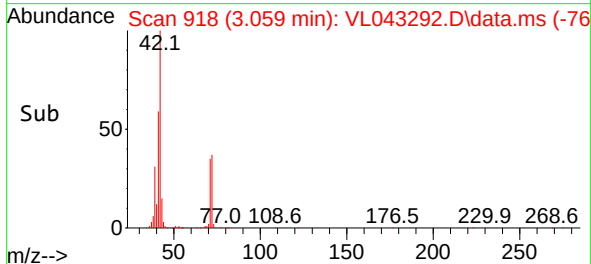
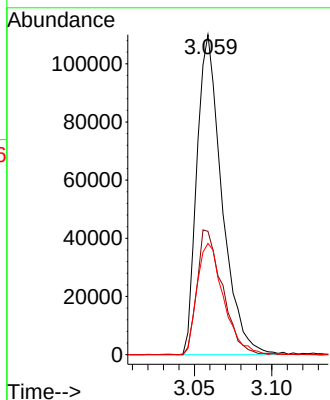
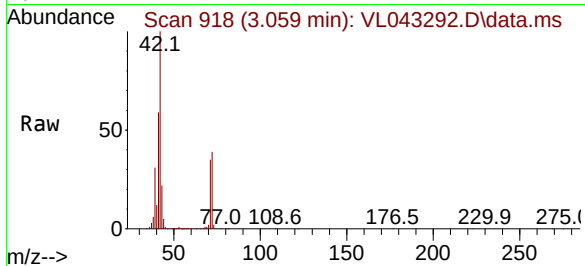




#41
Tetrahydrofuran
Concen: 9.590 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

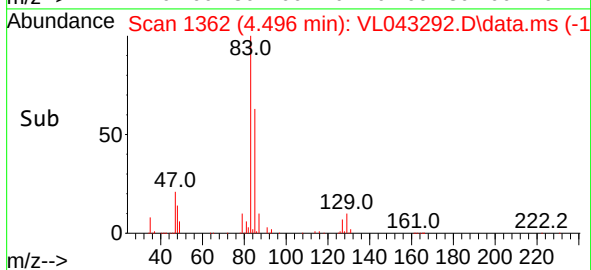
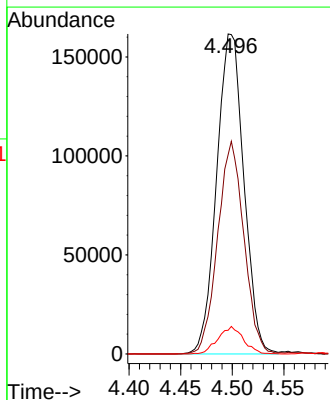
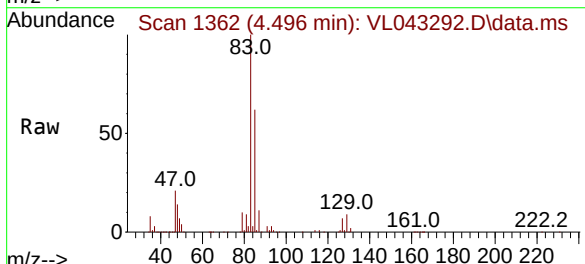
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

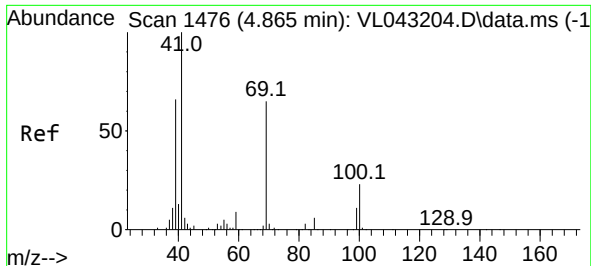
Tgt Ion: 42 Resp: 123505
Ion Ratio Lower Upper
42 100
72 39.7 30.6 46.0
71 37.0 30.5 45.7



#42
Bromodichloromethane
Concen: 11.628 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 83 Resp: 296882
Ion Ratio Lower Upper
83 100
85 62.2 51.7 77.5
127 7.4 6.3 9.5

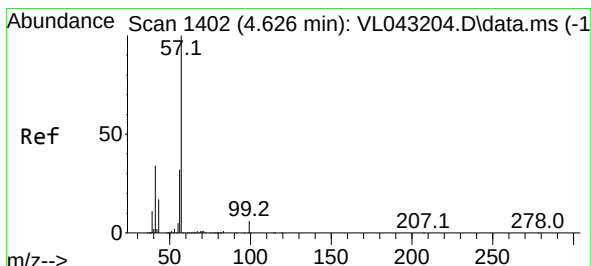
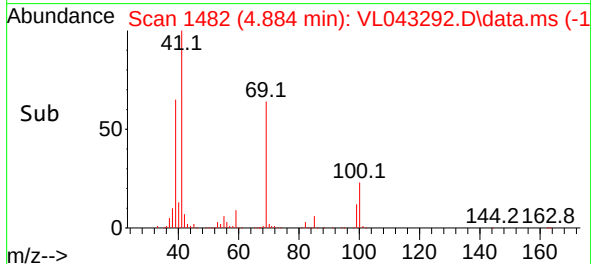
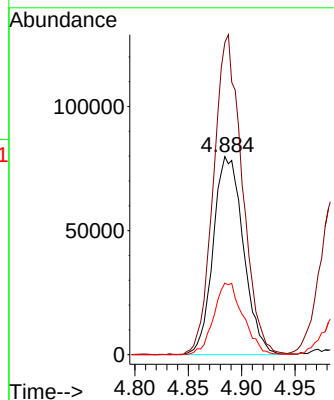
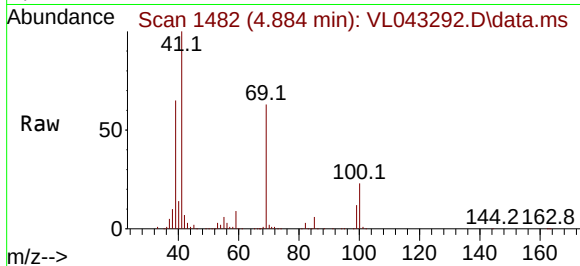




#43
Methyl Methacrylate
Concen: 9.350 ppbv
RT: 4.884 min Scan# 1410
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

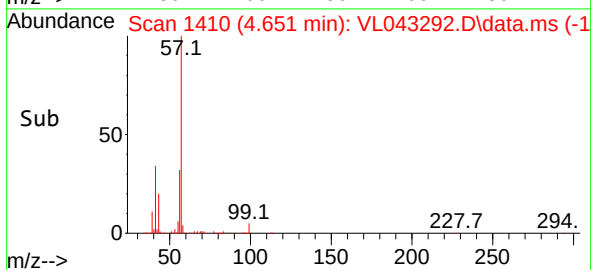
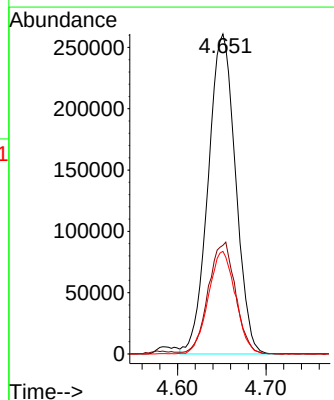
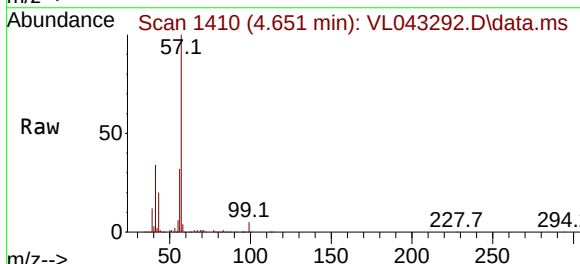
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

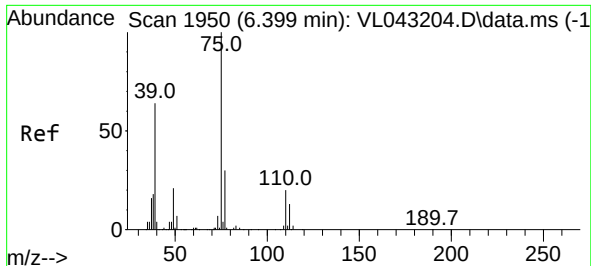
Tgt Ion: 69 Resp: 157030
Ion Ratio Lower Upper
69 100
41 153.9 126.7 190.1
100 35.4 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 10.322 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.026 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 57 Resp: 560933
Ion Ratio Lower Upper
57 100
41 34.7 28.0 42.0
56 31.9 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 7.934 ppbv

RT: 6.422 min Scan# 1950

Delta R.T. 0.022 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

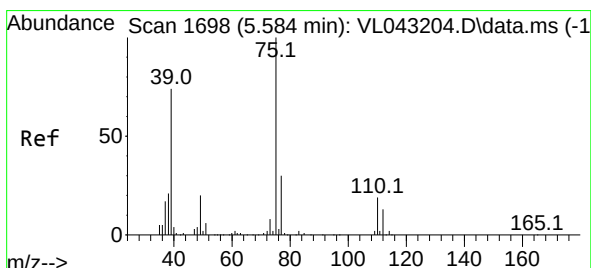
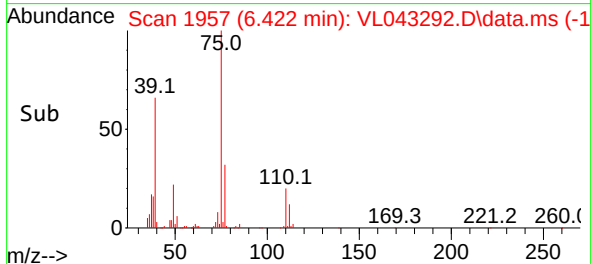
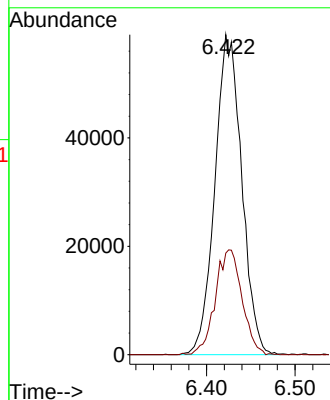
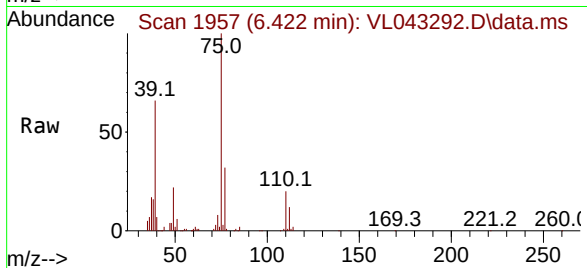
VSTDCCC010

Tgt Ion: 75 Resp: 124214

Ion Ratio Lower Upper

75 100

77 31.8 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 8.197 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.026 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

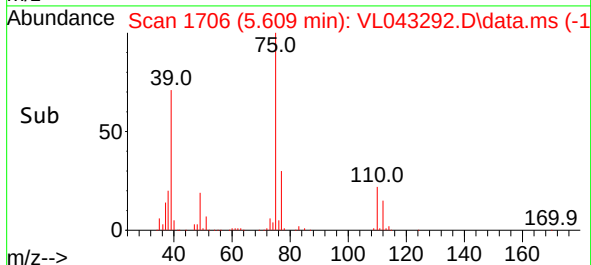
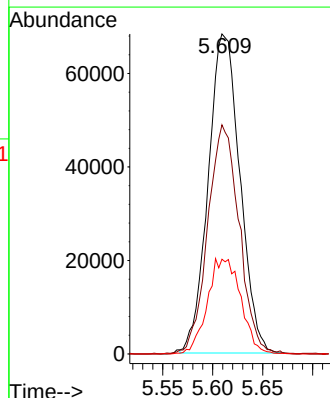
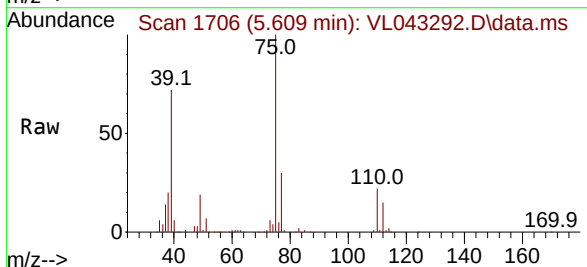
Tgt Ion: 75 Resp: 150697

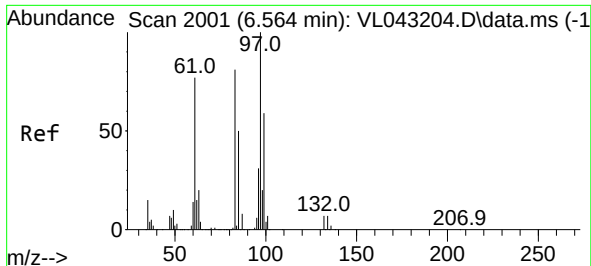
Ion Ratio Lower Upper

75 100

39 70.9 59.1 88.7

77 29.5 24.2 36.2

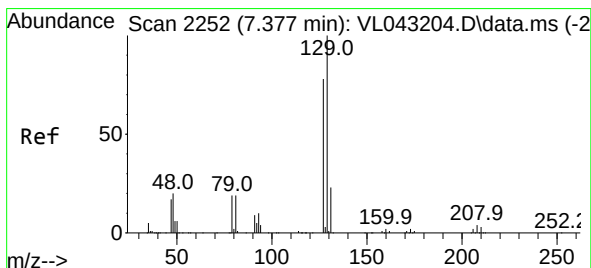
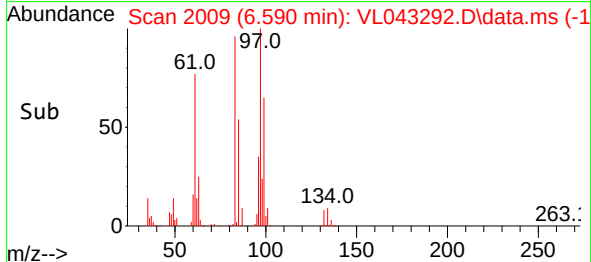
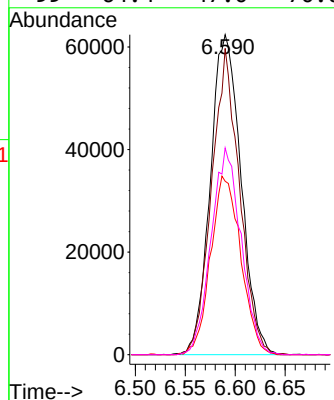
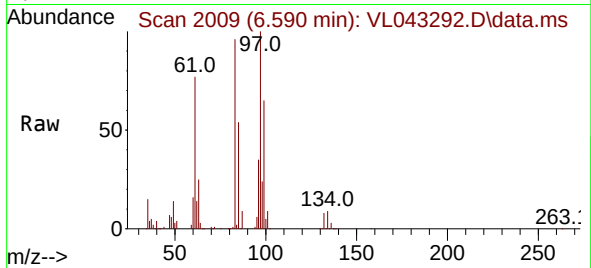




#47
 1,1,2-Trichloroethane
 Concen: 10.819 ppbv
 RT: 6.590 min Scan# 2009
 Delta R.T. 0.026 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

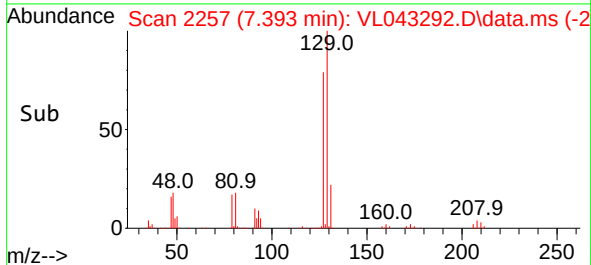
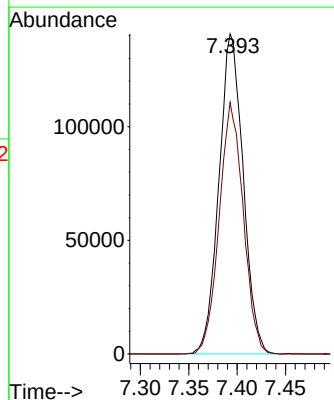
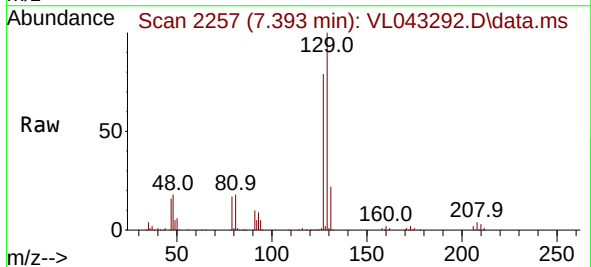
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

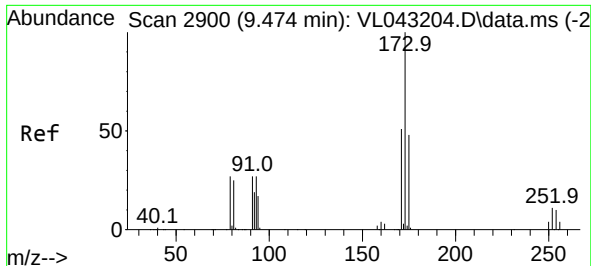
Tgt Ion: 97	Resp: 132966
Ion Ratio	Lower Upper
97 100	
83 95.6	64.6 97.0
85 54.2	39.4 59.2
99 64.4	47.0 70.6



#48
 Dibromochloromethane
 Concen: 11.601 ppbv
 RT: 7.393 min Scan# 2257
 Delta R.T. 0.016 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion:129	Resp: 245129
Ion Ratio	Lower Upper
129 100	
127 77.9	39.3 117.9

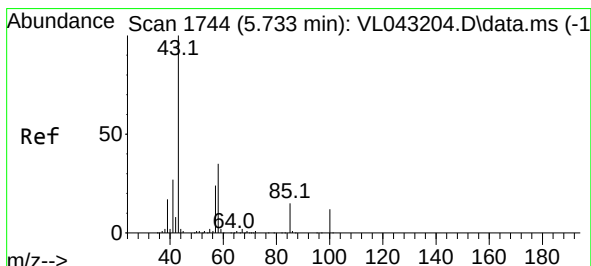
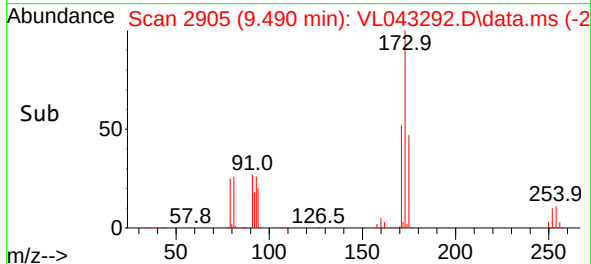
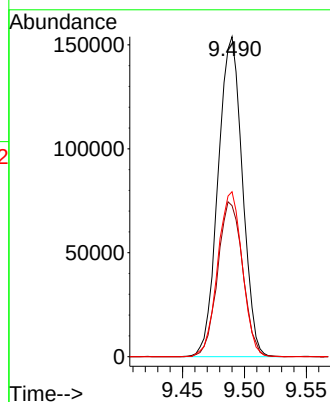
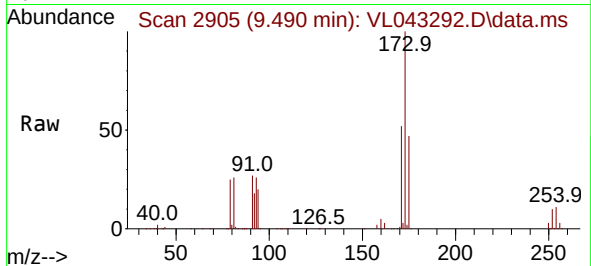




#49
Bromoform
Concen: 11.249 ppbv
RT: 9.490 min Scan# 2900
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

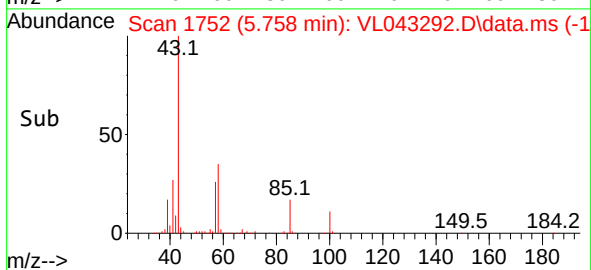
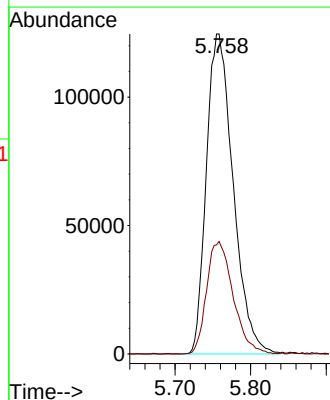
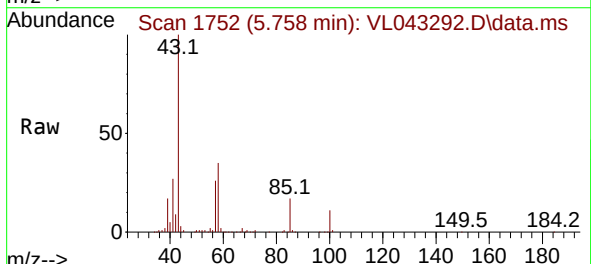
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

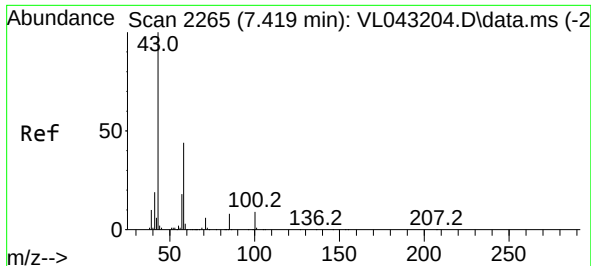
Tgt Ion:173 Resp: 210532
Ion Ratio Lower Upper
173 100
175 49.9 38.6 58.0
171 52.1 40.6 61.0



#50
4-Methyl-2-Pentanone
Concen: 9.326 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.026 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 43 Resp: 306398
Ion Ratio Lower Upper
43 100
58 34.9 28.4 42.6

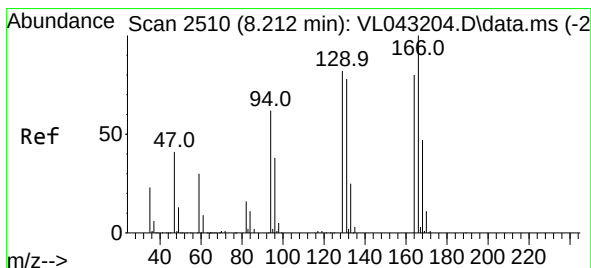
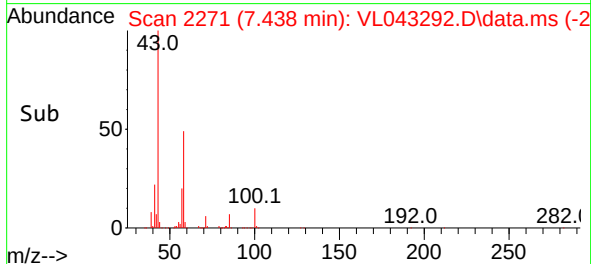
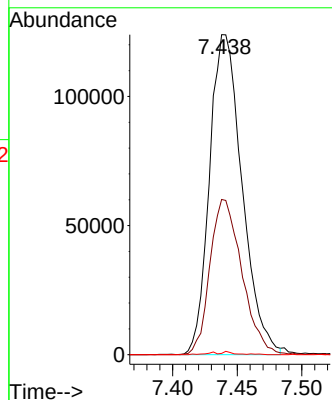
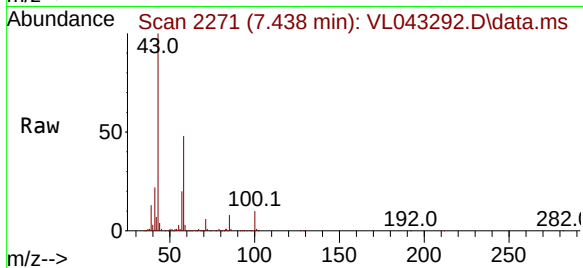




#51
2-Hexanone
Concen: 8.527 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

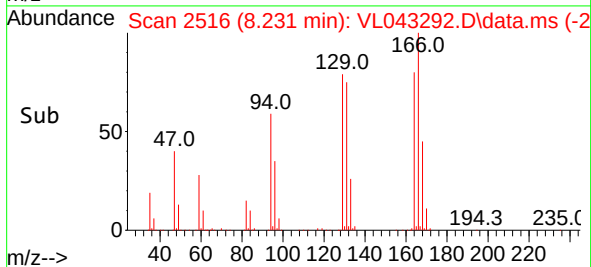
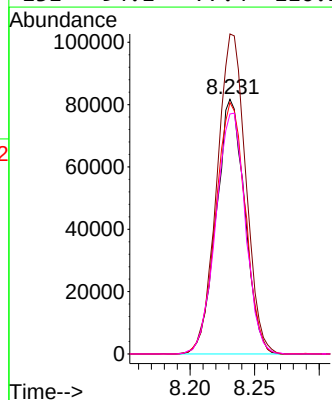
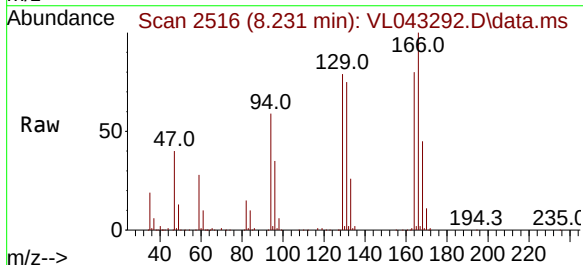
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

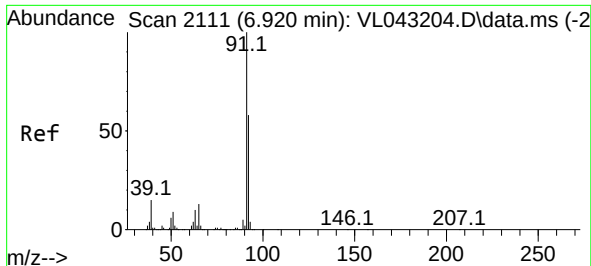
Tgt Ion: 43 Resp: 217535
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
98 0.6 0.0 0.0#



#52
Tetrachloroethene
Concen: 10.669 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:164 Resp: 125569
Ion Ratio Lower Upper
164 100
166 125.5 99.4 149.2
129 98.6 81.8 122.8
131 94.1 77.4 116.2

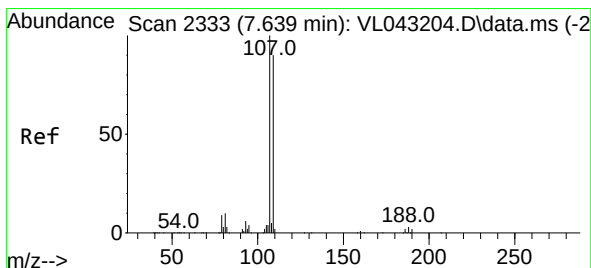
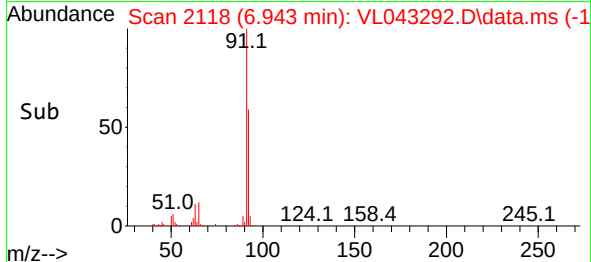
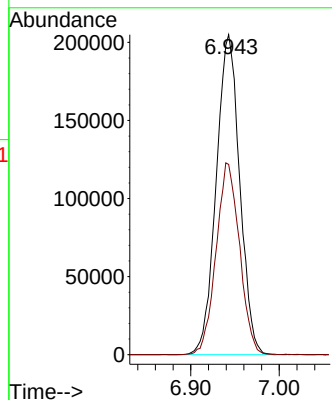
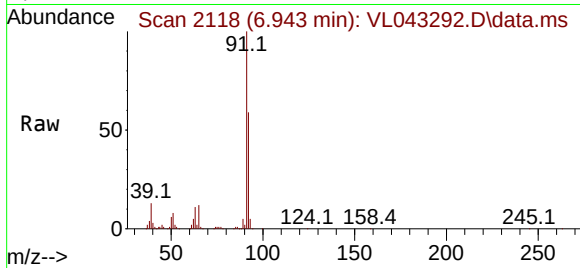




#53
Toluene
Concen: 10.078 ppbv
RT: 6.943 min Scan# 2111
Delta R.T. 0.022 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

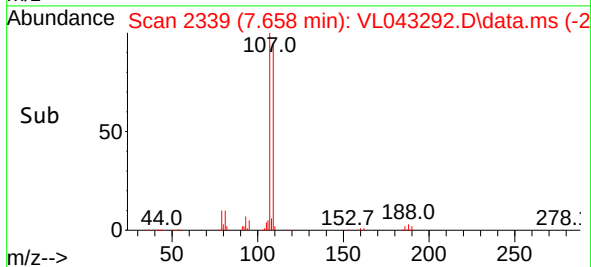
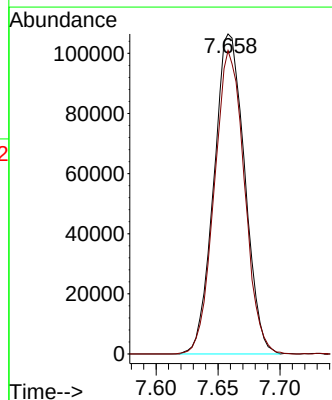
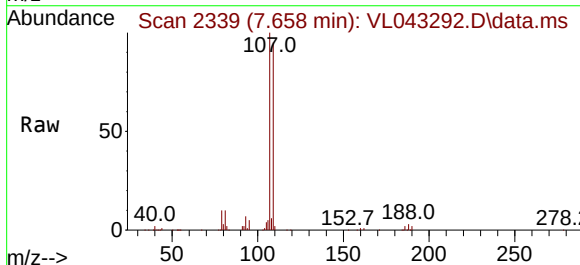
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

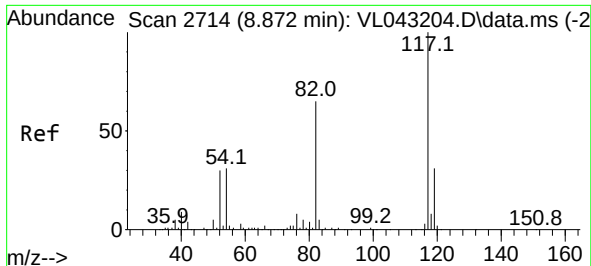
Tgt Ion: 91 Resp: 377598
Ion Ratio Lower Upper
91 100
92 59.8 47.4 71.0



#54
1,2-Dibromoethane
Concen: 10.188 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 107 Resp: 184265
Ion Ratio Lower Upper
107 100
109 94.6 72.1 108.1

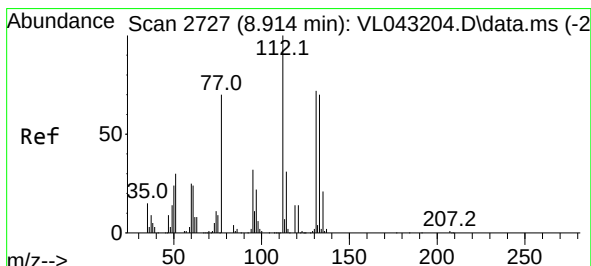
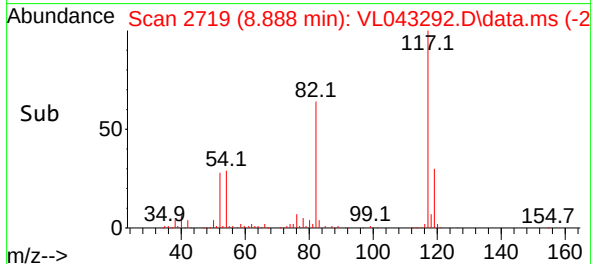
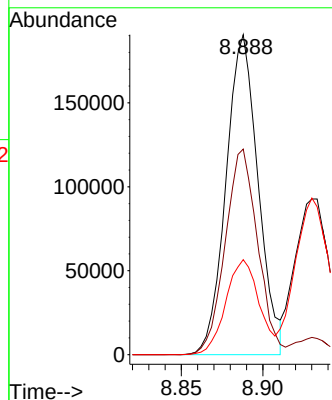
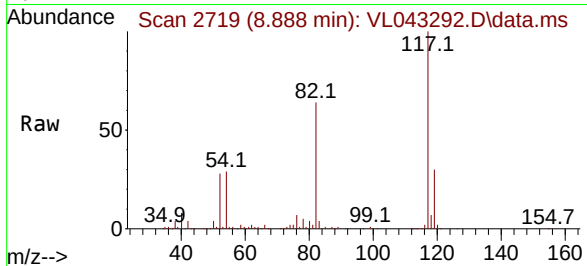




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

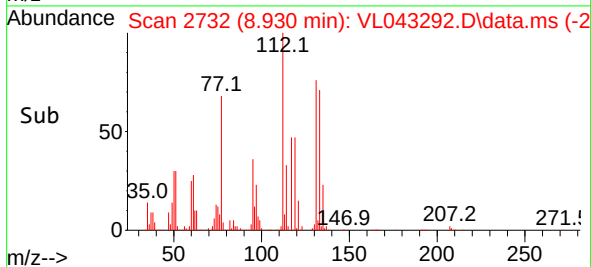
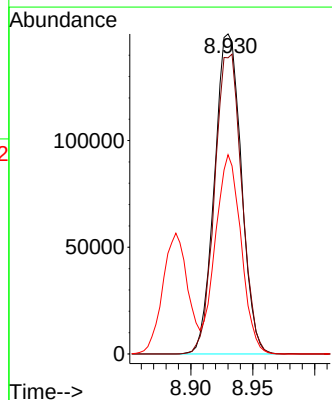
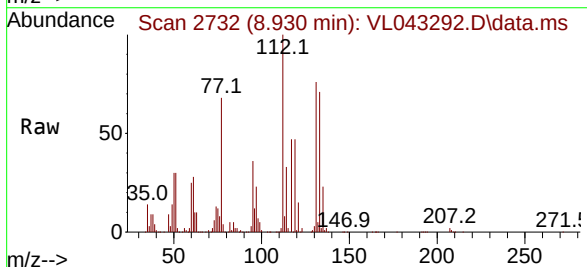
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

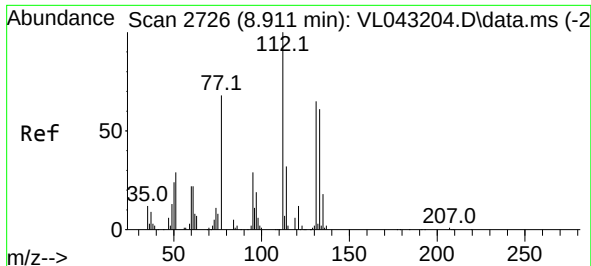
Tgt Ion:117 Resp: 260796
Ion Ratio Lower Upper
117 100
82 70.5 56.1 84.1
119 32.1 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 11.805 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:131 Resp: 226254
Ion Ratio Lower Upper
131 100
133 94.7 77.4 116.2
119 60.7 49.1 73.7

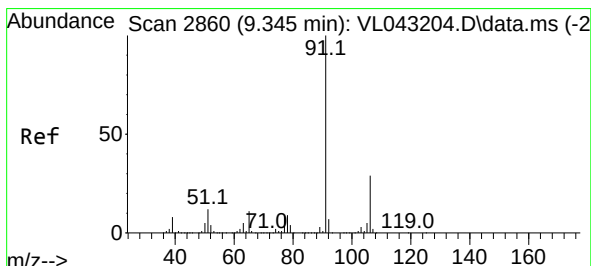
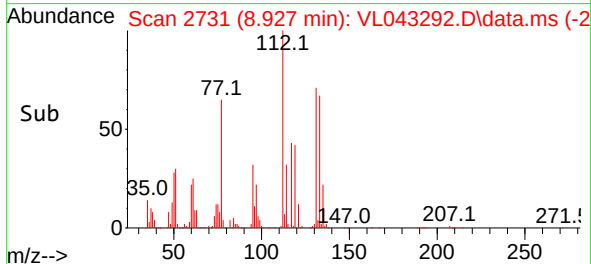
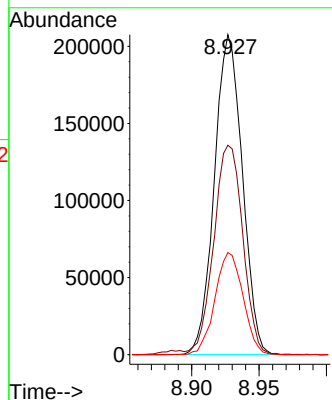
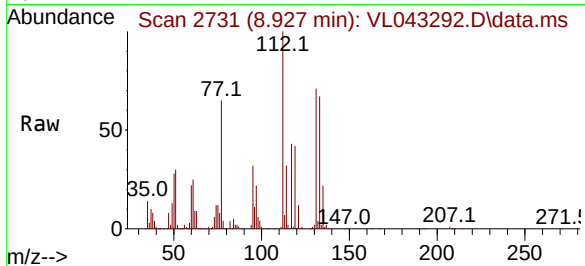




#57
Chlorobenzene
Concen: 11.176 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

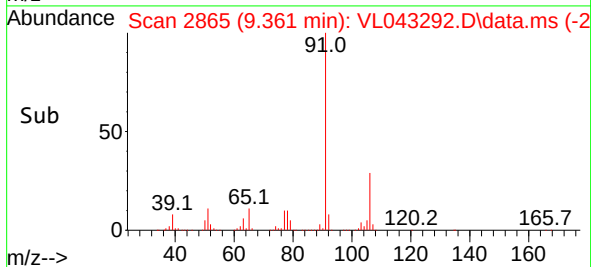
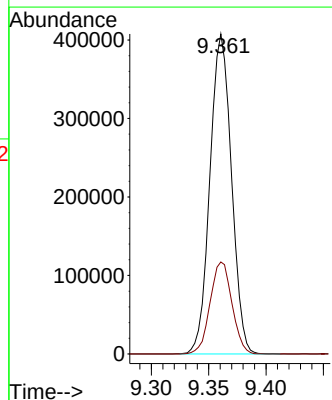
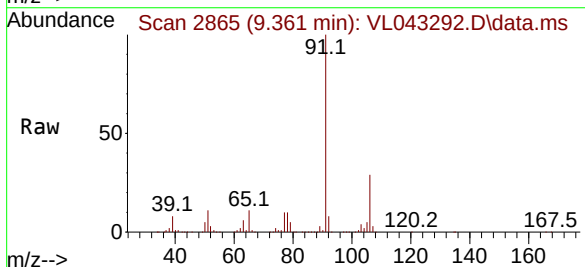
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

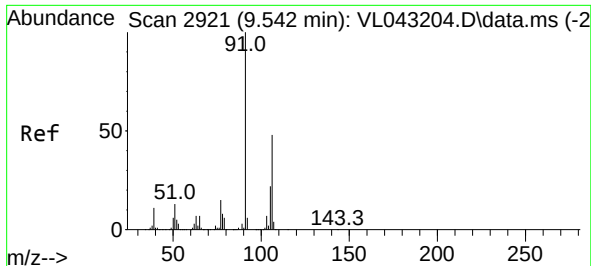
Tgt Ion:112 Resp: 299248
Ion Ratio Lower Upper
112 100
77 65.4 55.5 83.3
114 31.9 29.1 35.5



#58
Ethyl Benzene
Concen: 10.601 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 91 Resp: 532113
Ion Ratio Lower Upper
91 100
106 28.7 22.8 34.2





#59

m/p-Xylene

Concen: 9.970 ppbv

RT: 9.558 min Scan# 2921

Delta R.T. 0.016 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

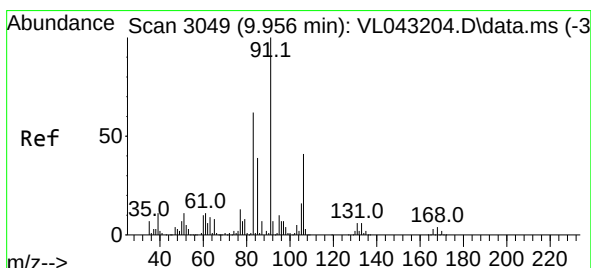
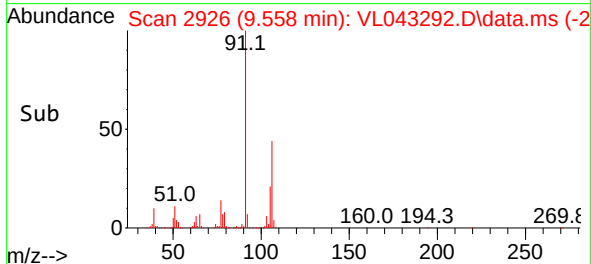
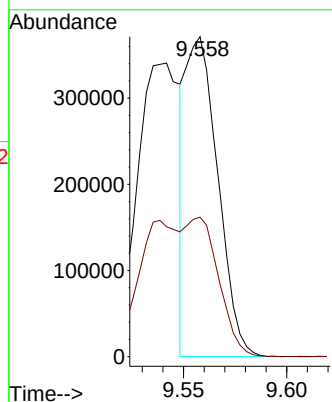
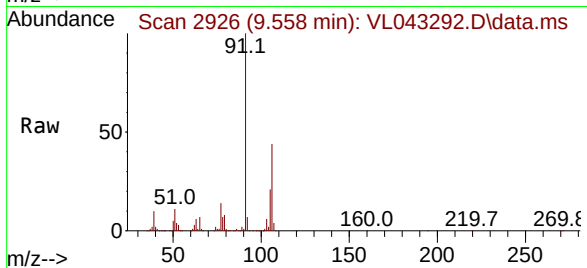
VSTDCCC010

Tgt Ion: 91 Resp: 401252

Ion Ratio Lower Upper

91 100

106 100.3 36.1 54.1#



#60

o-Xylene

Concen: 10.791 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.013 min

Lab File: VL043292.D

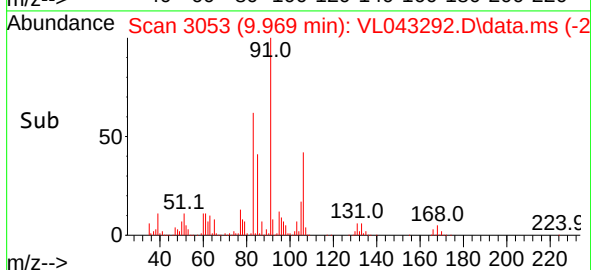
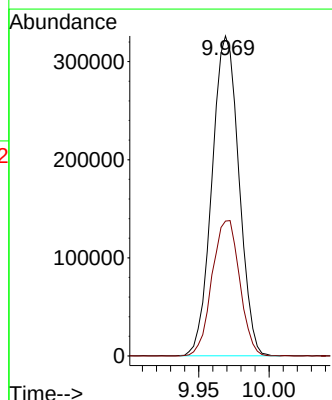
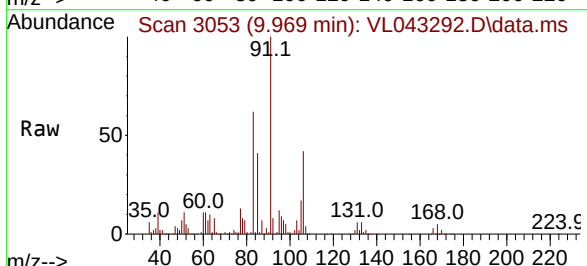
Acq: 02 Dec 2025 09:31

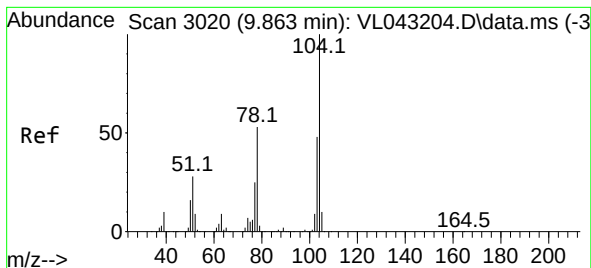
Tgt Ion: 91 Resp: 433850

Ion Ratio Lower Upper

91 100

106 43.5 20.9 62.8





#61

Styrene

Concen: 9.691 ppbv

RT: 9.875 min Scan# 3020

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

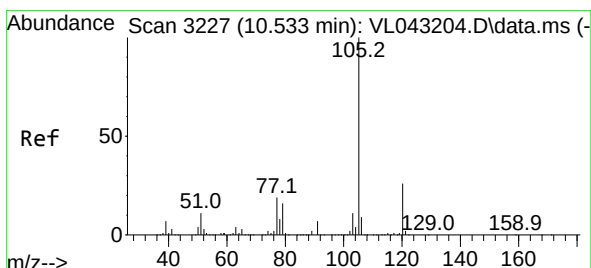
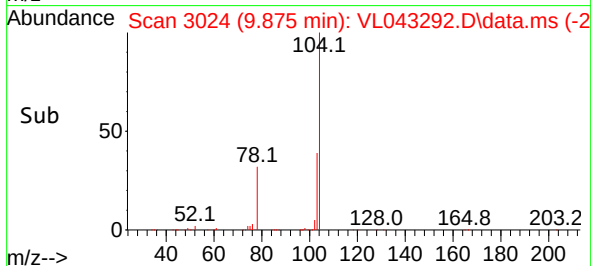
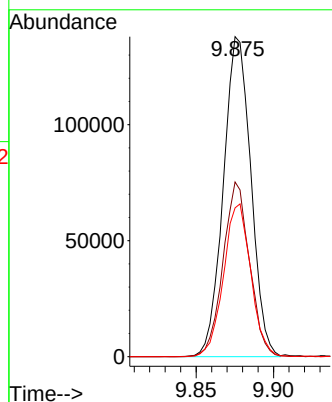
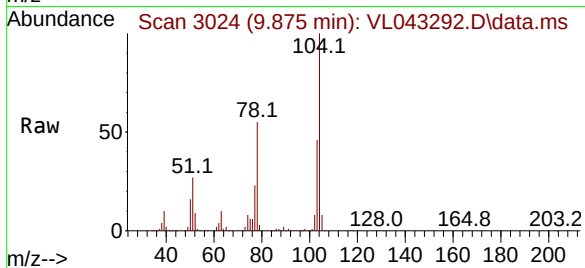
Tgt Ion:104 Resp: 170523

Ion Ratio Lower Upper

104 100

78 52.6 42.1 63.1

103 47.4 37.2 55.8



#62

Isopropylbenzene

Concen: 10.873 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.013 min

Lab File: VL043292.D

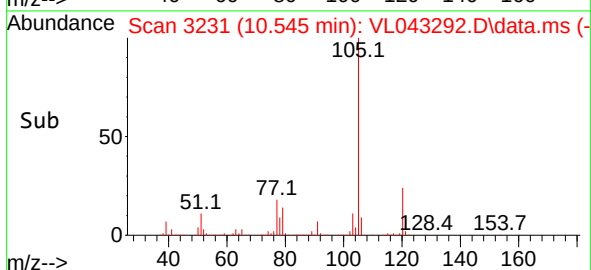
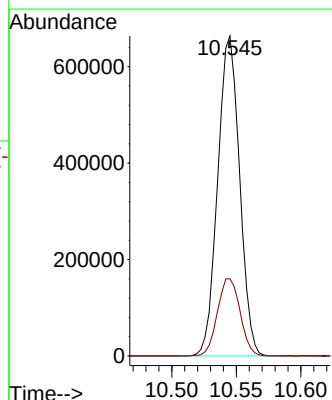
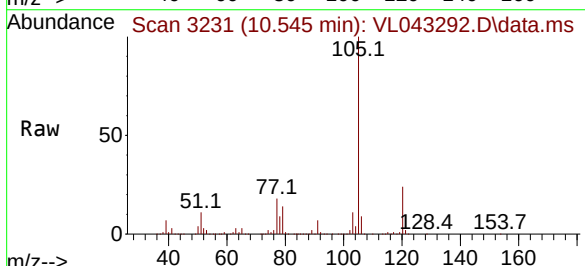
Acq: 02 Dec 2025 09:31

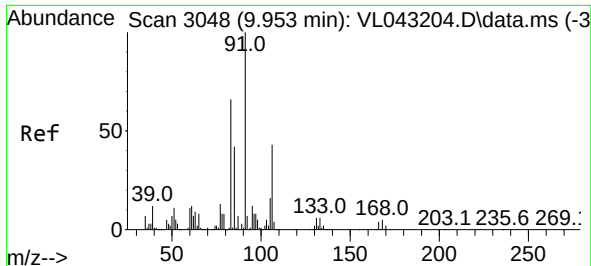
Tgt Ion:105 Resp: 782083

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

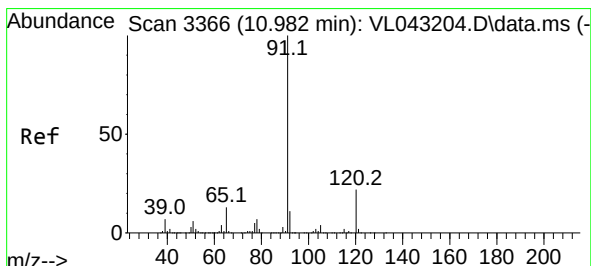
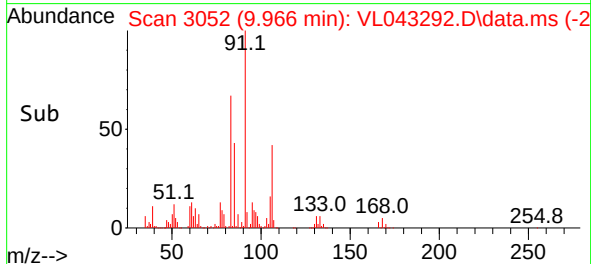
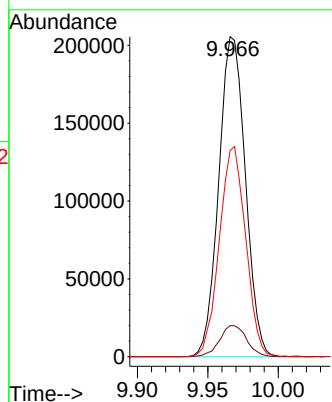
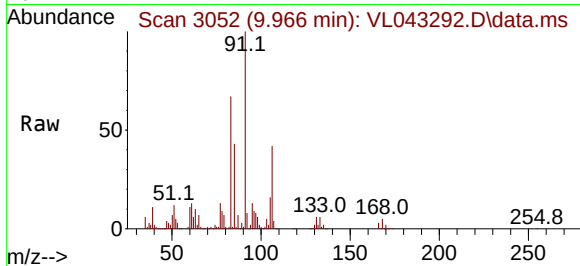




#63
1,1,2-Tetrachloroethane
Concen: 10.584 ppbv
RT: 9.966 min Scan# 3048
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

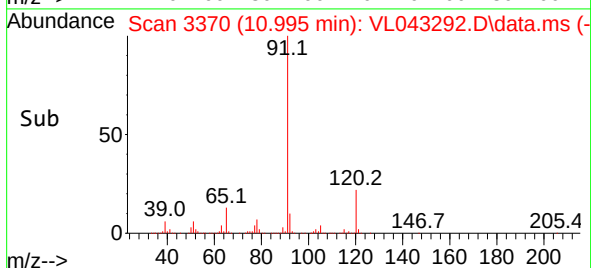
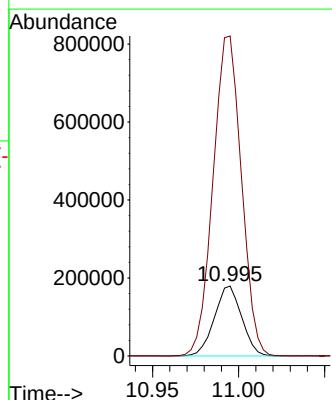
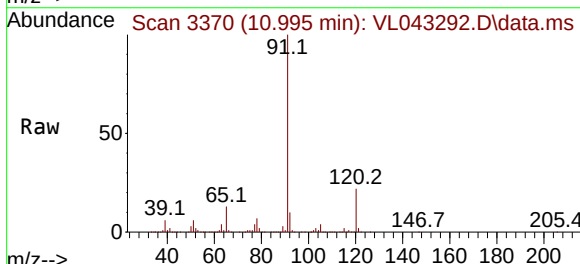
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

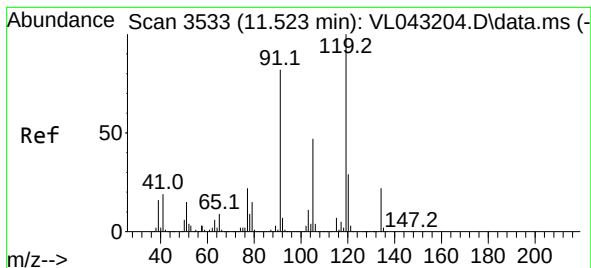
Tgt Ion: 83 Resp: 270755
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.3
85 64.8 31.9 95.9



#64
n-propylbenzene
Concen: 10.719 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 120 Resp: 198097
Ion Ratio Lower Upper
120 100
91 476.0 377.1 565.7





#65

tert-Butylbenzene

Concen: 10.575 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

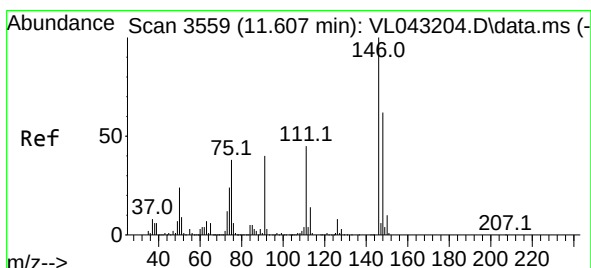
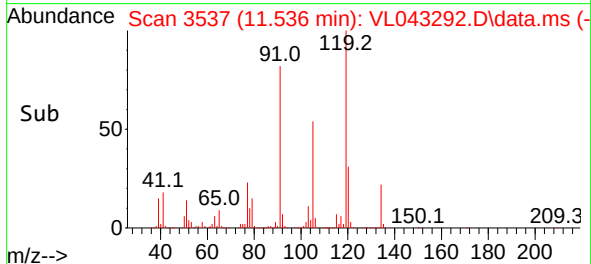
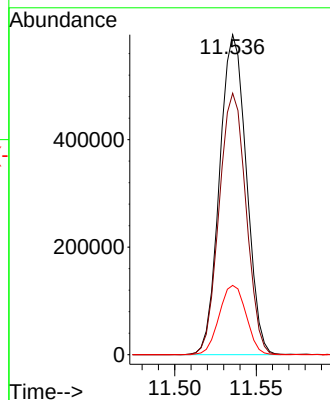
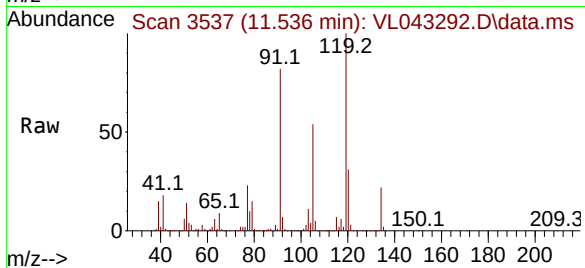
Tgt Ion:119 Resp: 679288

Ion Ratio Lower Upper

119 100

91 82.1 65.3 97.9

134 21.8 17.0 25.4



#66

Benzyl Chloride

Concen: 5.101 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

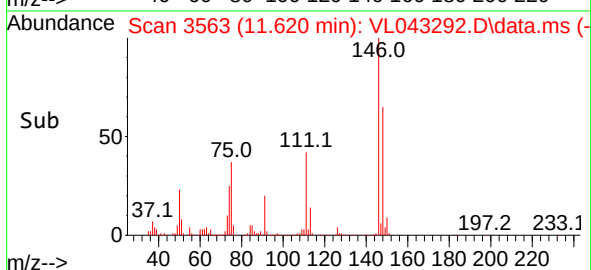
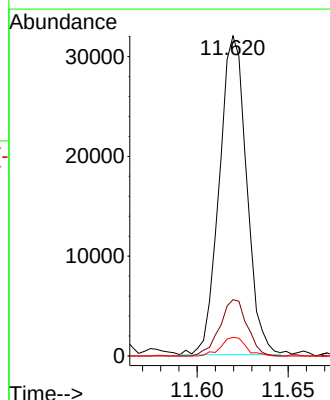
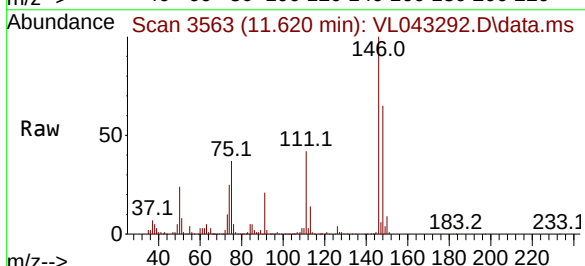
Tgt Ion: 91 Resp: 33251

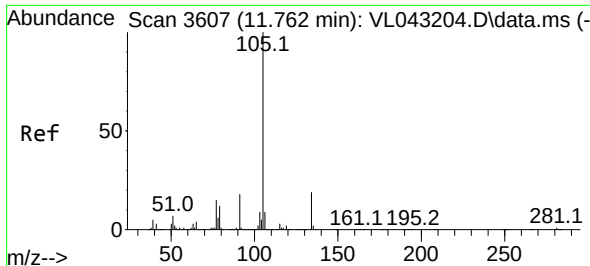
Ion Ratio Lower Upper

91 100

126 17.7 14.4 21.6

128 5.5 4.6 6.8

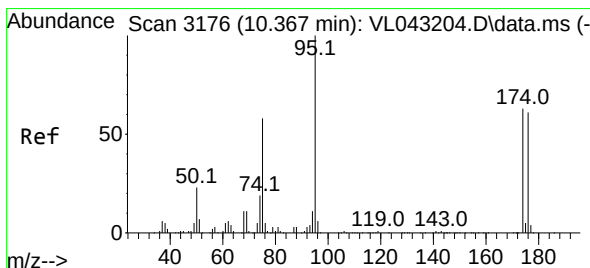
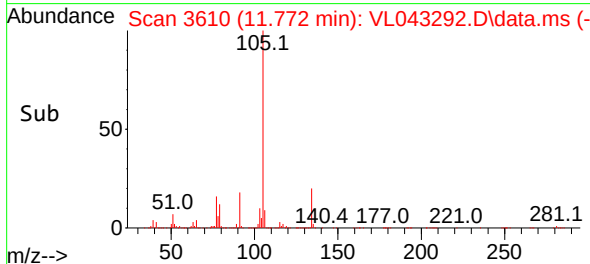
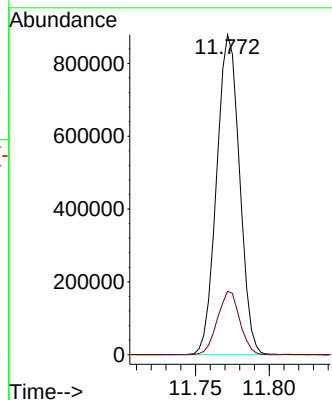
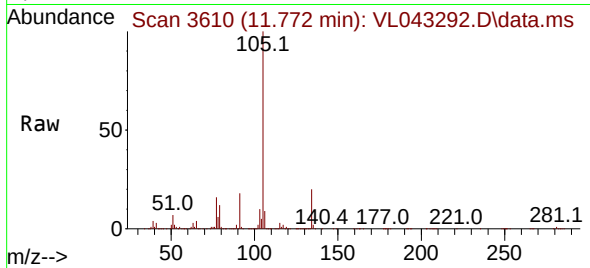




#67
 sec-Butylbenzene
 Concen: 10.601 ppbv
 RT: 11.772 min Scan# 310
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

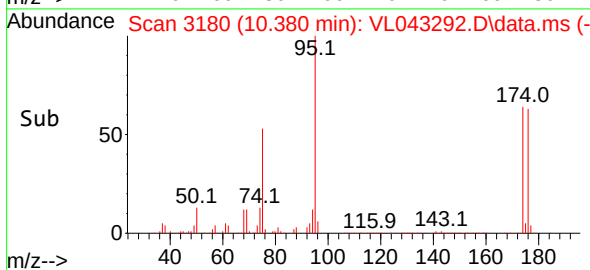
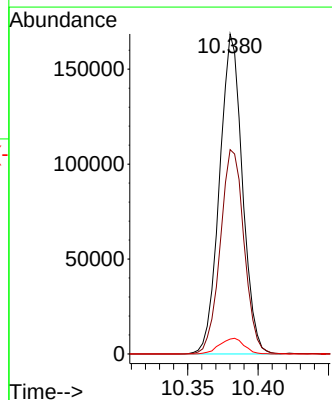
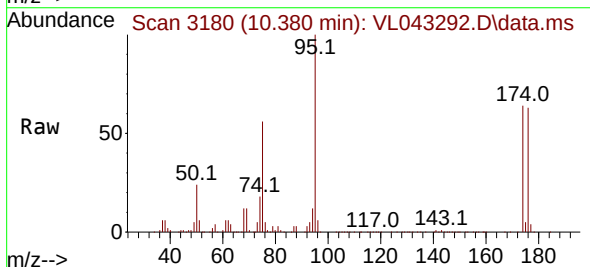
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

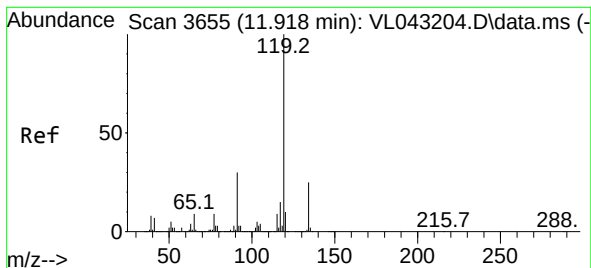
Tgt Ion:105 Resp: 950539
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.979 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.013 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion: 95 Resp: 190761
 Ion Ratio Lower Upper
 95 100
 174 66.5 50.2 75.2
 175 5.3 4.1 6.1





#69

p-Isopropyltoluene

Concen: 10.460 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

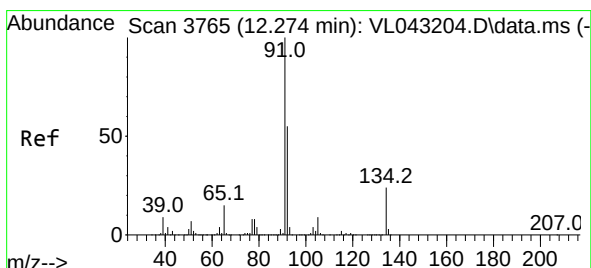
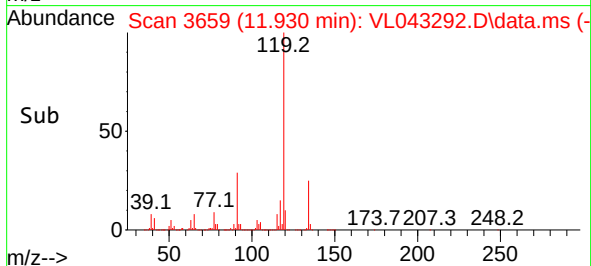
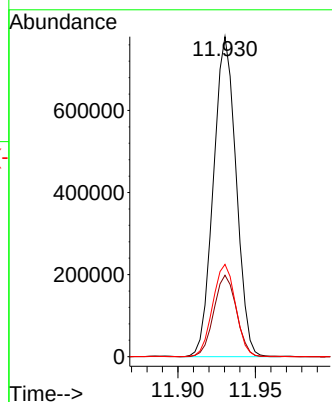
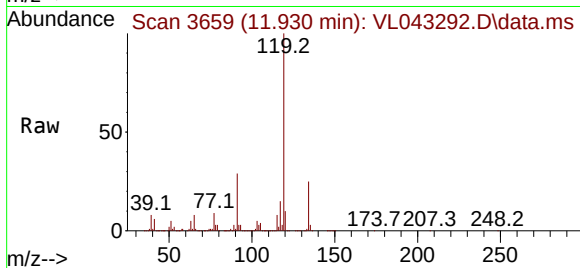
Tgt Ion:119 Resp: 794465

Ion Ratio Lower Upper

119 100

134 25.5 20.2 30.2

91 29.3 23.8 35.8



#70

n-Butylbenzene

Concen: 10.396 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

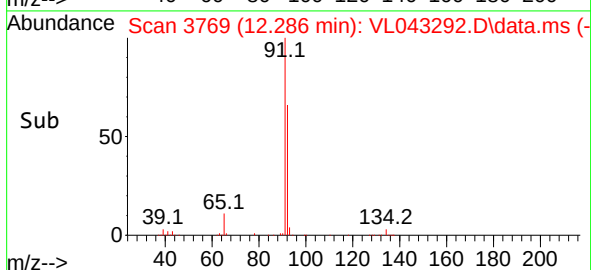
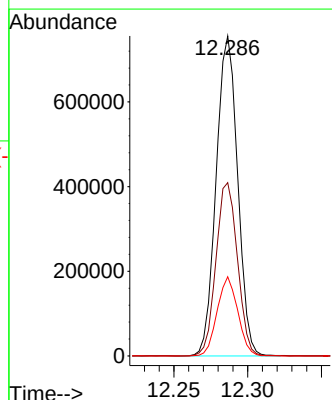
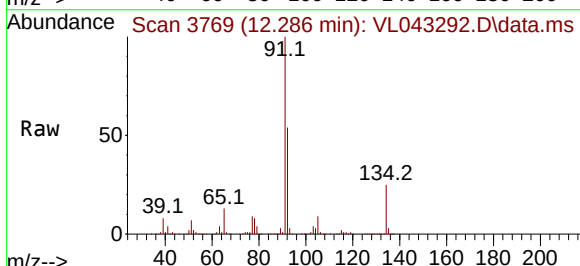
Tgt Ion: 91 Resp: 766060

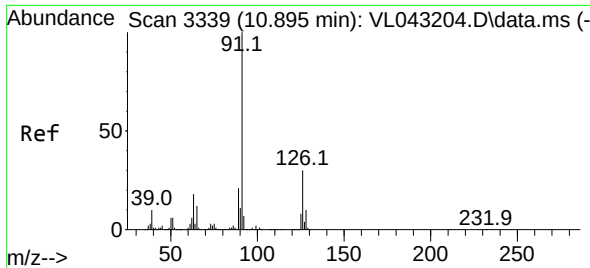
Ion Ratio Lower Upper

91 100

92 54.2 43.5 65.3

134 23.8 19.0 28.6

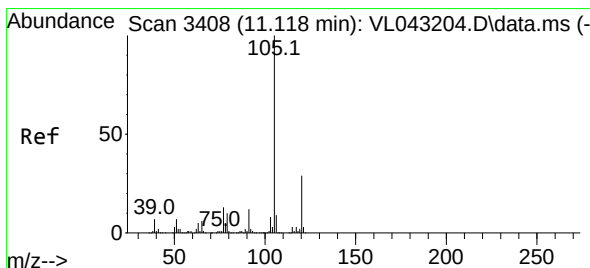
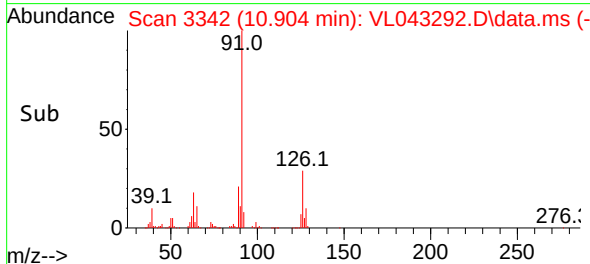
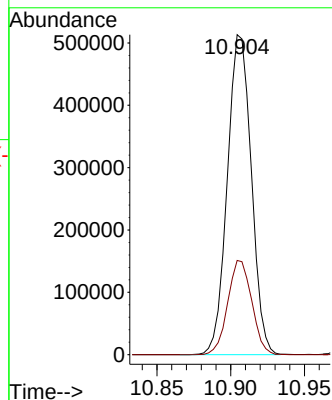
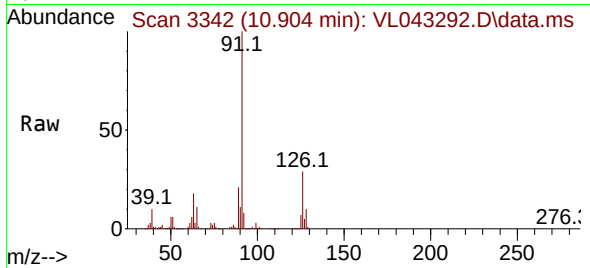




#71
2-Chlorotoluene
Concen: 10.513 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

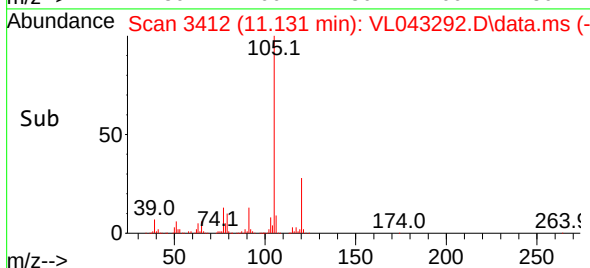
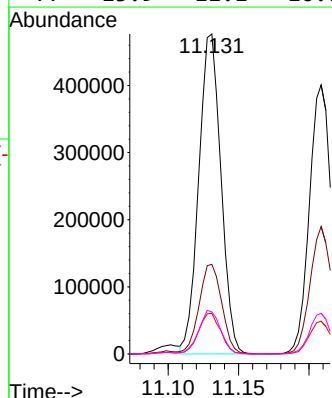
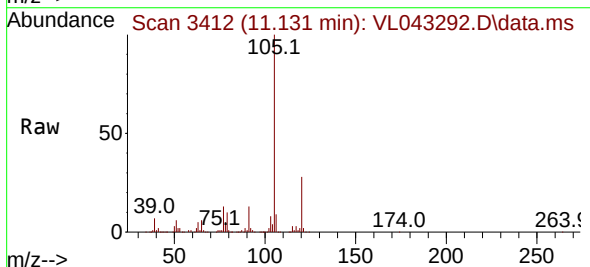
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

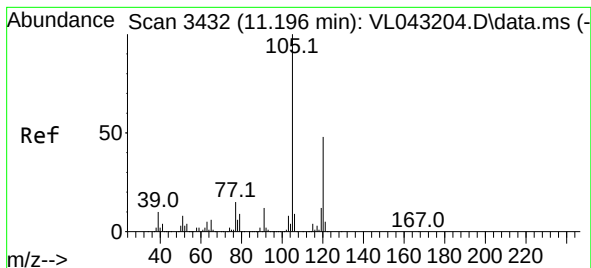
Tgt Ion: 91 Resp: 581216
Ion Ratio Lower Upper
91 100
126 29.4 11.7 46.7



#72
4-Ethyltoluene
Concen: 10.682 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 105 Resp: 522973
Ion Ratio Lower Upper
105 100
120 29.4 23.8 35.8
91 13.2 10.3 15.5
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.656 ppbv

RT: 11.209 min Scan# 3432

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

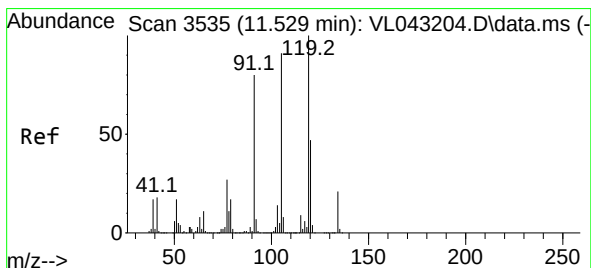
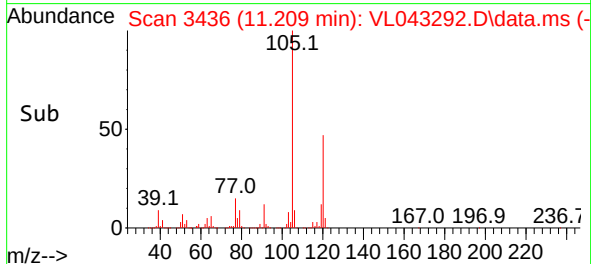
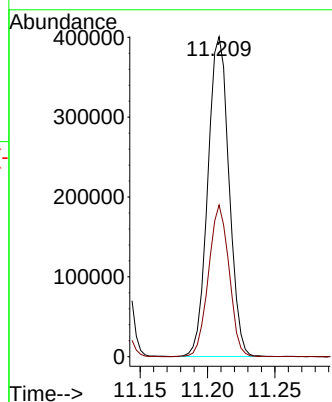
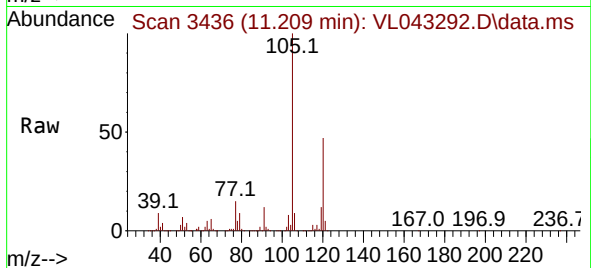
VSTDCCC010

Tgt Ion:105 Resp: 437835

Ion Ratio Lower Upper

105 100

120 47.4 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 10.787 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Tgt Ion:105 Resp: 483676

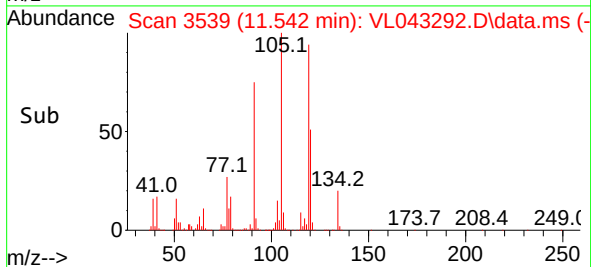
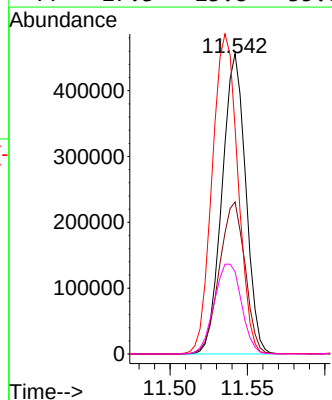
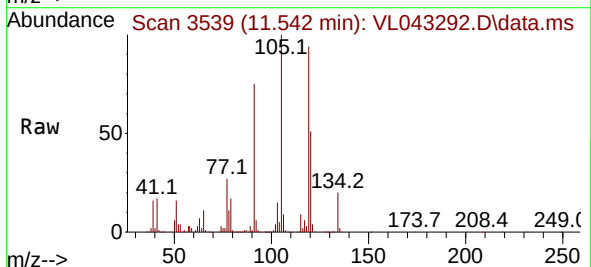
Ion Ratio Lower Upper

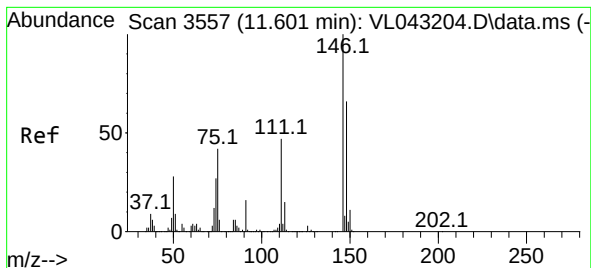
105 100

120 50.6 41.7 62.5

91 75.2 70.0 105.0

77 27.3 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 11.080 ppbv

RT: 11.613 min Scan# 3557

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

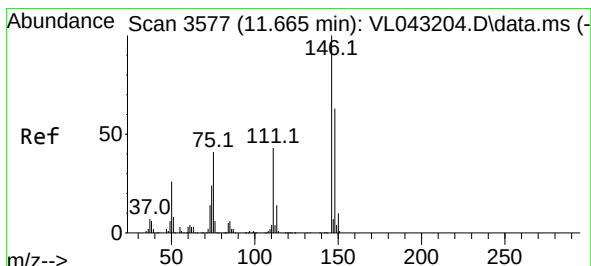
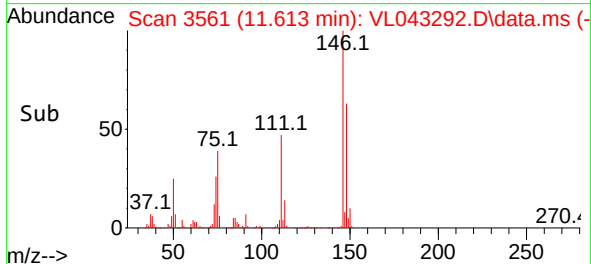
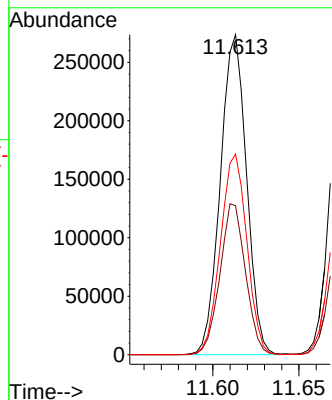
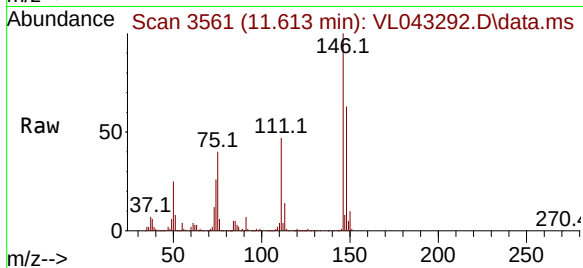
Tgt Ion:146 Resp: 289929

Ion Ratio Lower Upper

146 100

111 46.1 23.4 70.3

148 63.3 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 11.005 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

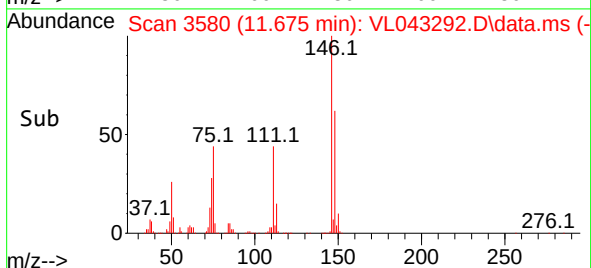
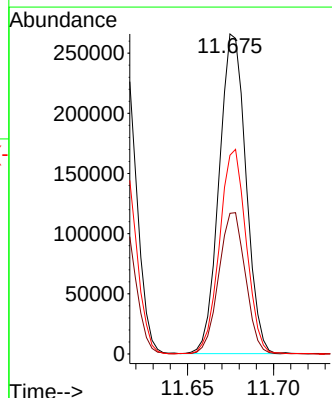
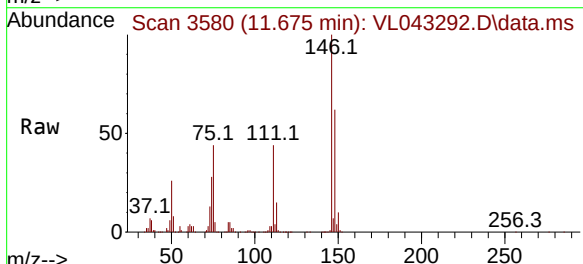
Tgt Ion:146 Resp: 288002

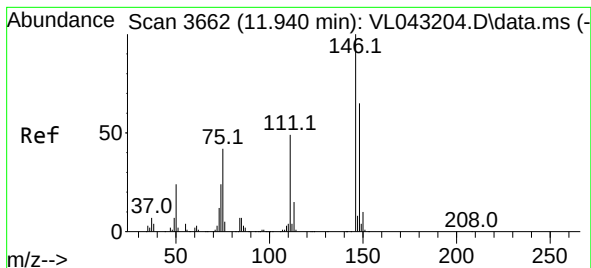
Ion Ratio Lower Upper

146 100

111 44.1 22.8 68.3

148 64.0 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 10.906 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

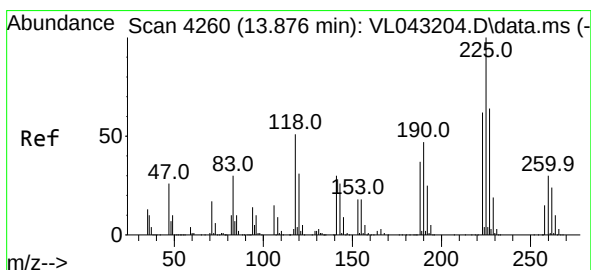
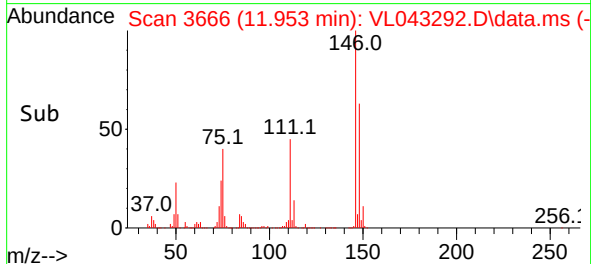
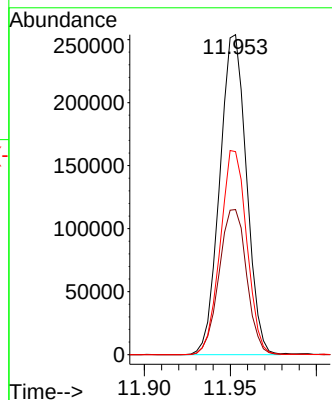
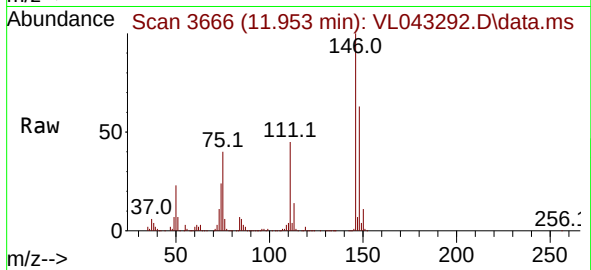
Tgt Ion:146 Resp: 274351

Ion Ratio Lower Upper

146 100

111 46.9 24.3 73.0

148 63.4 31.6 94.7



#78

Hexachloro-1,3-Butadiene

Concen: 10.037 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

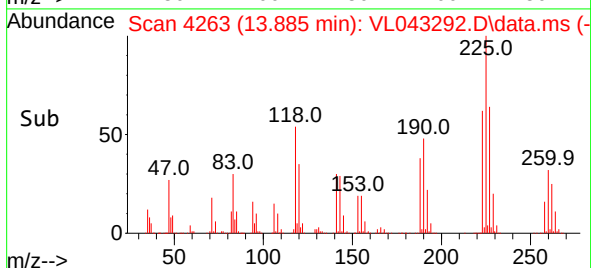
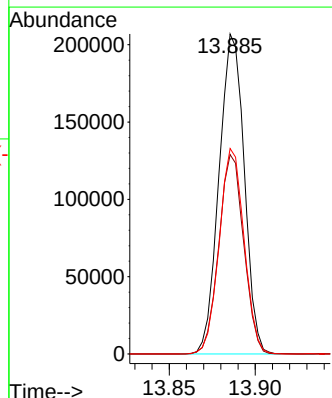
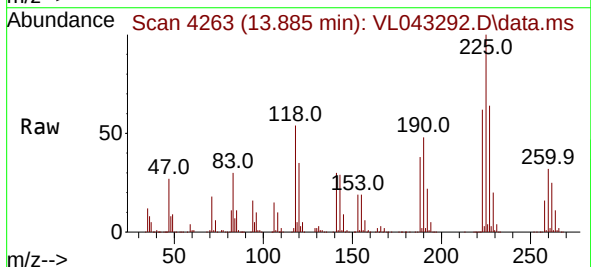
Tgt Ion:225 Resp: 210733

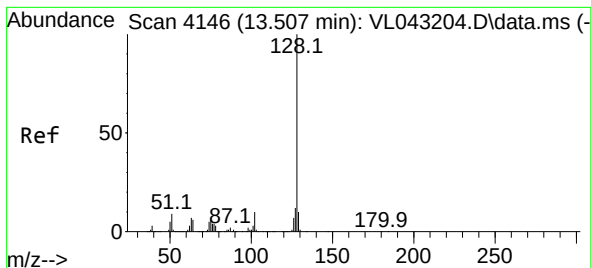
Ion Ratio Lower Upper

225 100

223 61.6 50.2 75.4

227 63.2 51.1 76.7





#79

Naphthalene

Concen: 9.864 ppbv

RT: 13.516 min Scan# 4146

Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

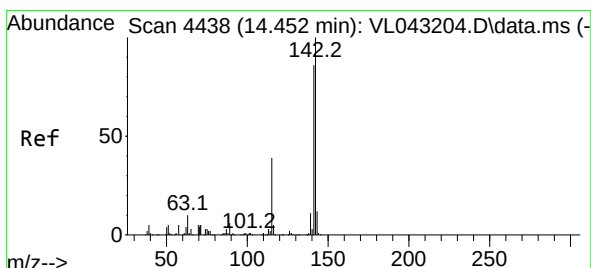
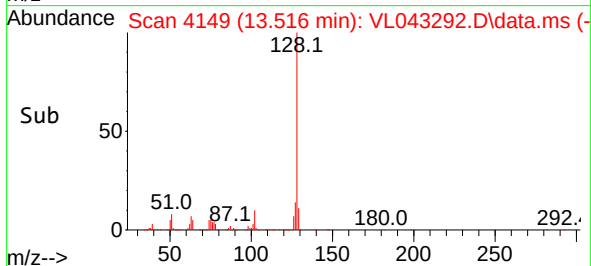
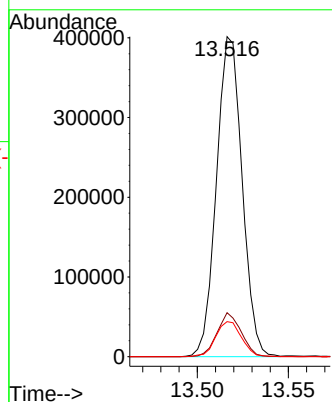
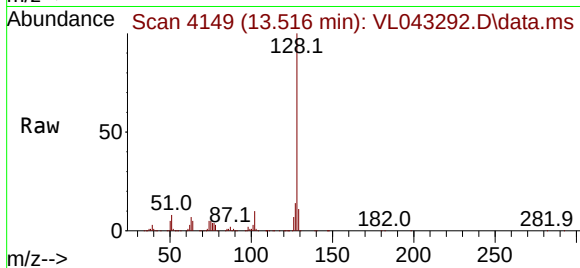
Tgt Ion:128 Resp: 392809

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

129 10.9 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 8.694 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

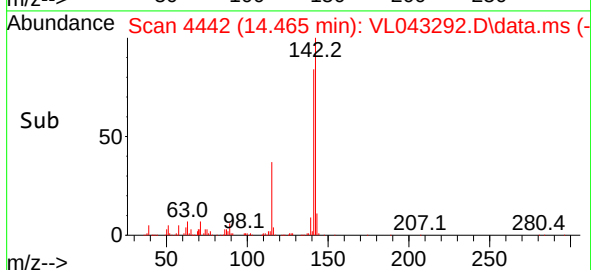
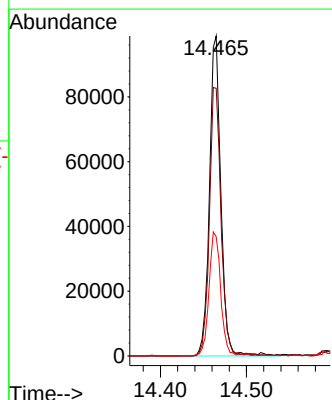
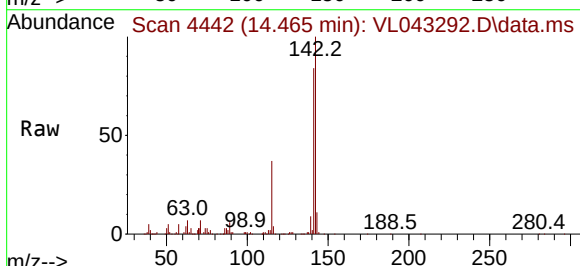
Tgt Ion:142 Resp: 90880

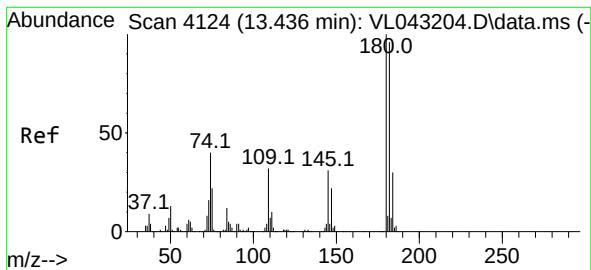
Ion Ratio Lower Upper

142 100

141 86.2 67.1 100.7

115 40.6 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 11.216 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 199764

Ion	Ratio	Lower	Upper
180	100		
182	92.5	77.4	116.2
184	29.5	24.2	36.4

