

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042952.D
 Acq On : 22 Sep 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 23 02:10:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	162797	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	511767	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	469265	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	348878	9.960	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	23644	1.080	ppbv	97
3) Chlorodifluoromethane	1.476	51	29646	1.086	ppbv	99
4) Chloromethane	1.531	50	10120	1.021	ppbv	97
5) Vinyl Chloride	1.580	62	9228	1.030	ppbv	99
6) Bromomethane	1.667	94	3493	1.105	ppbv	96
7) Chloroethane	1.703	64	3872	1.113	ppbv #	81
8) Dichlorotetrafluoroethane	1.554	85	20172	1.079	ppbv	97
9) Propene	1.482	41	12808	1.079	ppbv	92
10) Heptane	4.972	43	22885	0.719	ppbv #	58
11) Trichlorofluoromethane	1.874	101	22397	1.061	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	18180	1.063	ppbv	99
13) Ethanol	1.719	45	1463	1.286	ppbv #	33
14) Bromoethene	1.780	108	6783	1.049	ppbv #	87
15) Acetone	1.832	43	25273	1.192	ppbv	99
16) 1,3-Butadiene	1.609	39	10993	1.099	ppbv	88
17) tert-Butyl alcohol	2.039	59	25141	1.081	ppbv #	88
18) 1,1-Dichloroethene	2.033	96	8192	1.035	ppbv	96
19) Isopropyl Alcohol	1.884	45	13241	1.039	ppbv #	41
20) Methylene Chloride	2.059	84	10045	0.985	ppbv	97
21) Allyl Chloride	2.094	41	15801	1.070	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	9960	1.108	ppbv	96
23) Vinyl Acetate	2.457	43	30884	1.020	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	19077	1.082	ppbv	99
25) Ethyl Acetate	2.832	43	56877	1.061	ppbv	97
26) Hexane	2.822	57	26276	1.076	ppbv	96
27) Carbon Disulfide	2.149	76	23373	1.067	ppbv #	32
28) Methyl tert-Butyl Ether	2.441	73	12580	0.991	ppbv #	86
29) Chloroform	2.842	83	33240	1.041	ppbv	99
30) Cyclohexane	3.855	84	21707	1.063	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	23828	1.041	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	35233	1.018	ppbv	97
34) 2-Butanone	2.554	43	37431	1.044	ppbv	97
35) Carbon Tetrachloride	3.758	117	34016	1.033	ppbv	96
36) Benzene	3.651	78	49652	1.033	ppbv	100
37) 1,2-Dichloroethane	3.214	62	26482	1.048	ppbv	98
38) Trichloroethene	4.538	130	23906	1.001	ppbv	98
39) 1,2-Dichloropropane	4.302	63	10275	0.585	ppbv	94
40) 1,4-Dioxane	4.583	88	3579	0.439	ppbv #	3
41) Tetrahydrofuran	3.055	42	20845	1.011	ppbv	98
42) Bromodichloromethane	4.480	83	20848	0.592	ppbv	90
43) Methyl Methacrylate	4.871	69	20289	1.040	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	84970	1.023	ppbv	96
45) t-1,3-Dichloropropene	6.402	75	11857	0.565	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042952.D
 Acq On : 22 Sep 2025 10:48
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 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

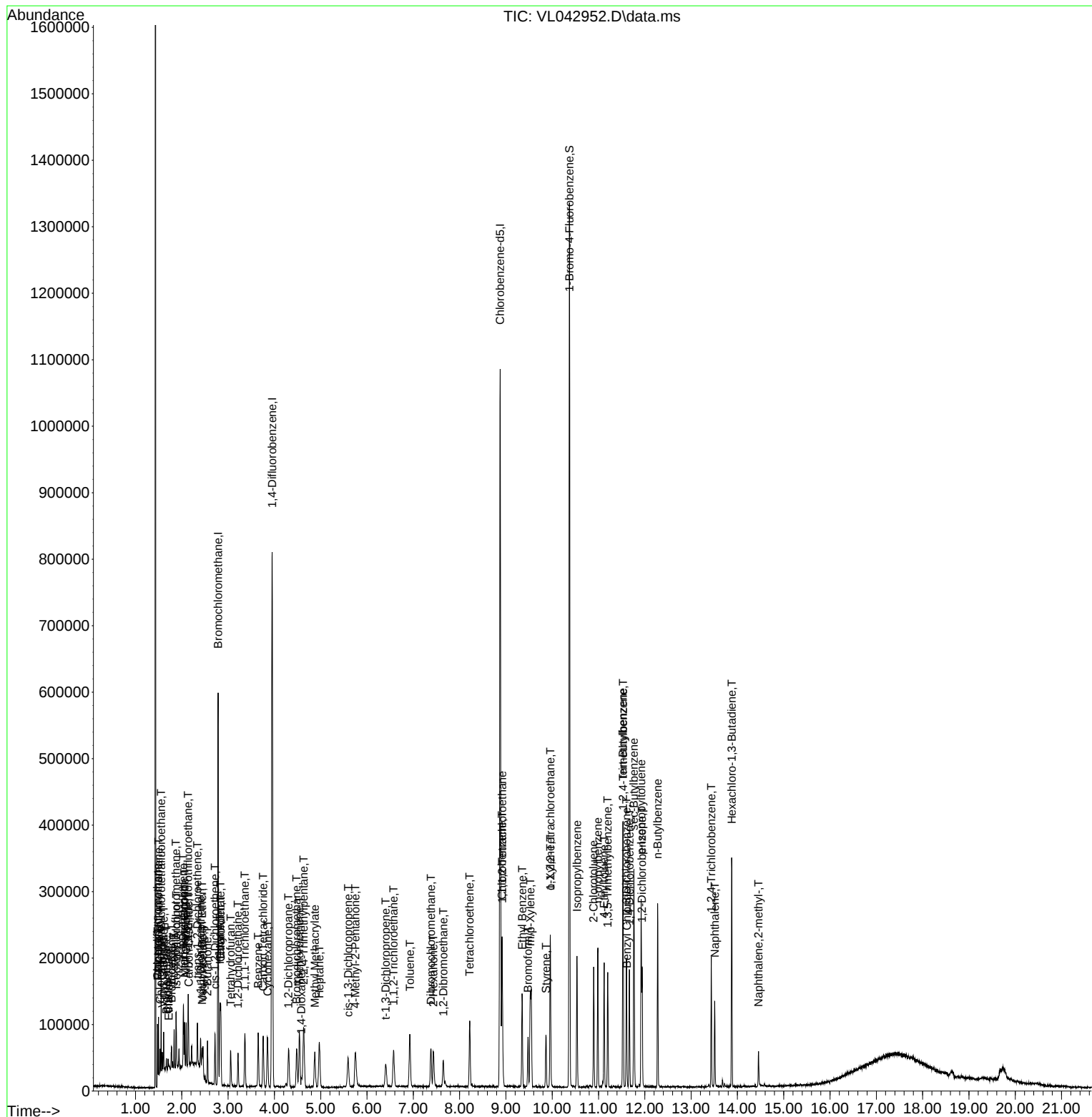
Instrument :
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 ClientSampleId :
 VSTDICC001

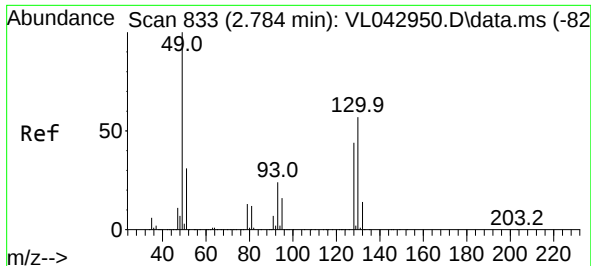
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	10544	0.395	ppbv	94
47) 1,1,2-Trichloroethane	6.574	97	19311	1.041	ppbv	96
48) Dibromochloromethane	7.383	129	30015	1.012	ppbv	99
49) Bromoform	9.477	173	25929	1.005	ppbv	98
50) 4-Methyl-2-Pentanone	5.748	43	48546	1.007	ppbv	98
51) 2-Hexanone	7.431	43	39627	1.034	ppbv #	99
52) Tetrachloroethene	8.218	164	18188	0.978	ppbv	97
53) Toluene	6.926	91	58200	1.023	ppbv	100
54) 1,2-Dibromoethane	7.645	107	26608	1.020	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.920	131	22802	1.015	ppbv	94
57) Chlorobenzene	8.914	112	45873	1.071	ppbv	98
58) Ethyl Benzene	9.351	91	80473	1.044	ppbv	97
59) m/p-Xylene	9.529	91	74868	1.231	ppbv #	100
60) o-Xylene	9.959	91	64703	1.066	ppbv	99
61) Styrene	9.869	104	29061	1.012	ppbv	98
62) Isopropylbenzene	10.535	105	96621	1.068	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	31695	0.993	ppbv	96
64) n-propylbenzene	10.985	120	24820	1.049	ppbv	98
65) tert-Butylbenzene	11.526	119	86303	1.072	ppbv	99
66) Benzyl Chloride	11.610	91	8140	0.964	ppbv	100
67) sec-Butylbenzene	11.762	105	120070	1.070	ppbv	100
69) p-Isopropyltoluene	11.921	119	101749	1.074	ppbv	99
70) n-Butylbenzene	12.277	91	98908	1.069	ppbv	99
71) 2-Chlorotoluene	10.895	91	70577	1.033	ppbv	98
72) 4-Ethyltoluene	11.121	105	79095	1.040	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	63174	1.024	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	71411	1.049	ppbv	95
75) 1,3-Dichlorobenzene	11.603	146	44769	1.060	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	42879	1.022	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	42911	1.068	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	34798	1.107	ppbv	99
79) Naphthalene	13.510	128	61925	1.028	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	17116	0.920	ppbv	97
81) 1,2,4-Trichlorobenzene	13.435	180	32411	1.007	ppbv	97

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

Quant Time: Sep 23 02:10:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

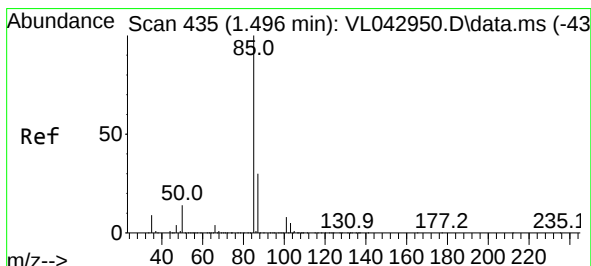
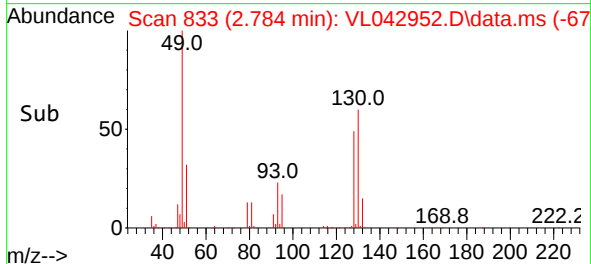
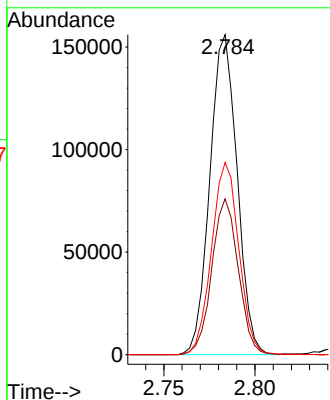
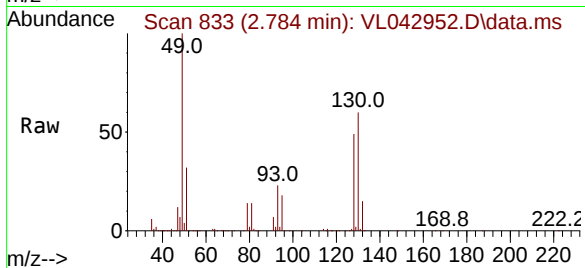




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

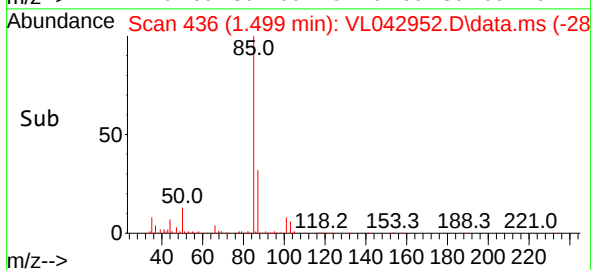
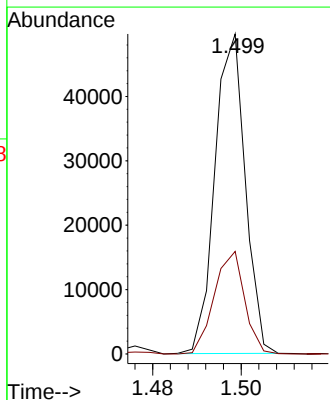
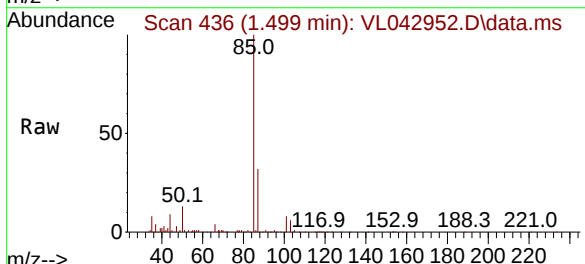
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

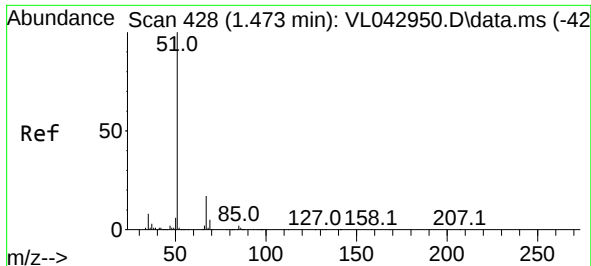
Tgt Ion: 49 Resp: 162797
Ion Ratio Lower Upper
49 100
128 47.3 22.9 68.8
130 60.1 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 1.080 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 85 Resp: 23644
Ion Ratio Lower Upper
85 100
87 32.1 24.3 36.5

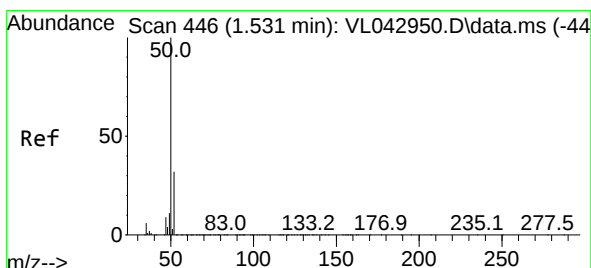
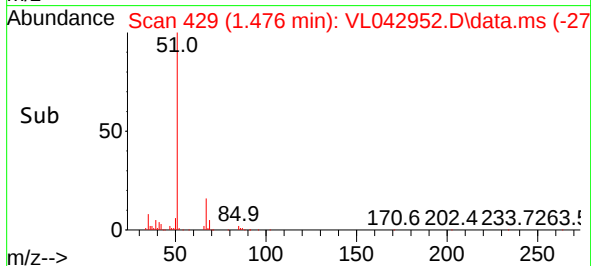
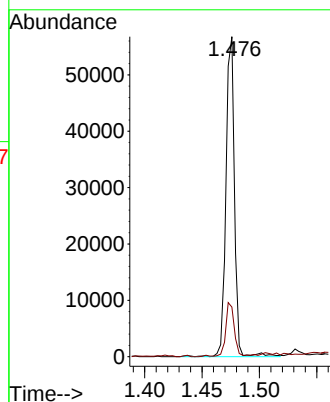
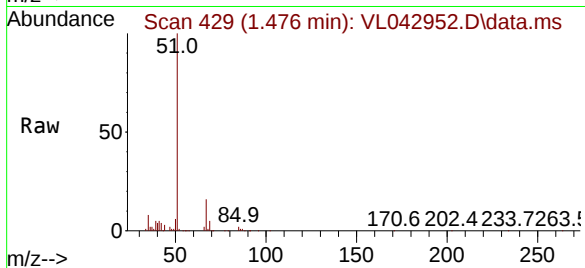




#3
Chlorodifluoromethane
Concen: 1.086 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

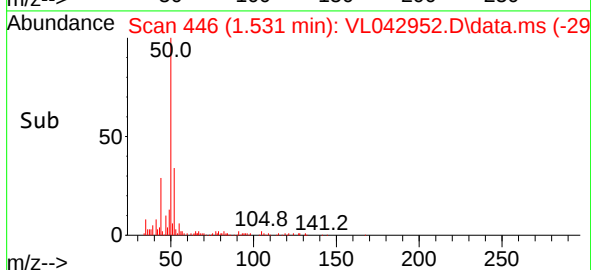
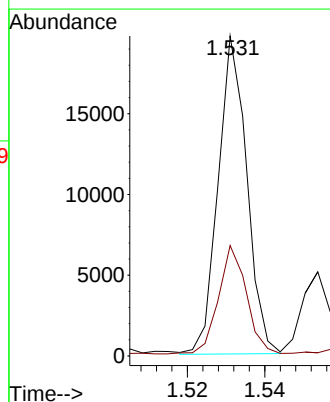
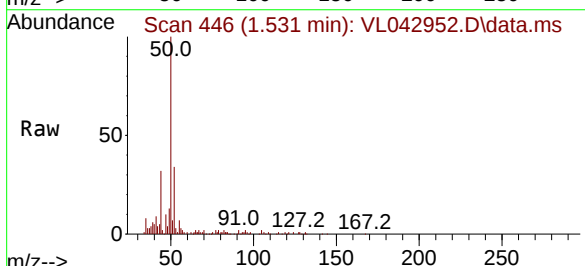
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

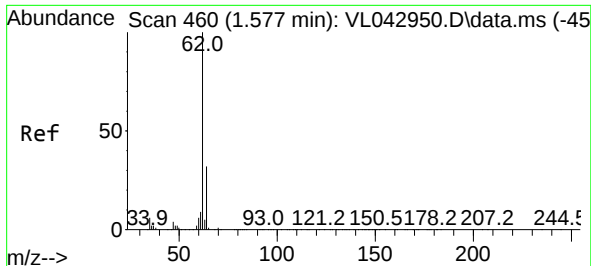
Tgt Ion: 51 Resp: 29646
Ion Ratio Lower Upper
51 100
67 17.9 13.8 20.8



#4
Chloromethane
Concen: 1.021 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 50 Resp: 10120
Ion Ratio Lower Upper
50 100
52 33.9 25.9 38.9

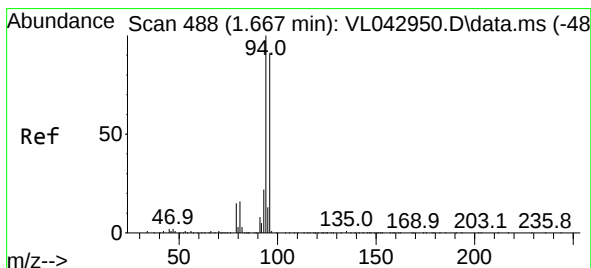
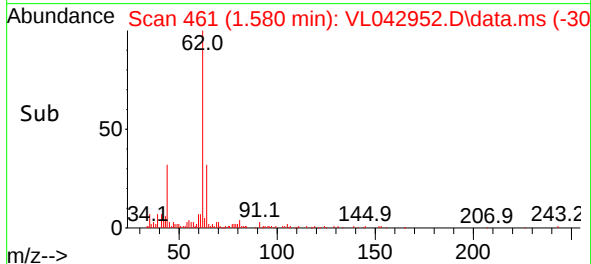
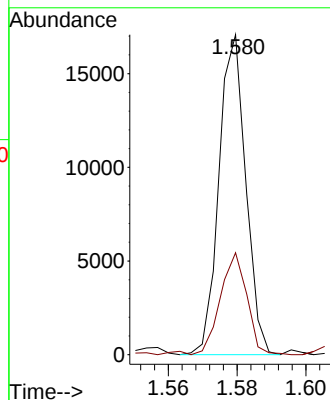
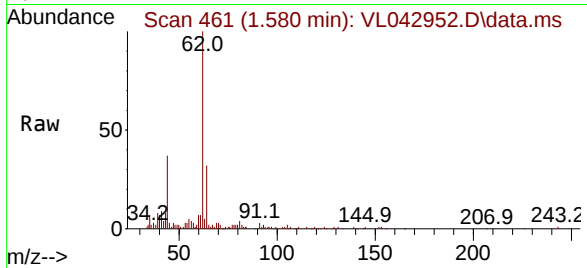




#5
 Vinyl Chloride
 Concen: 1.030 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

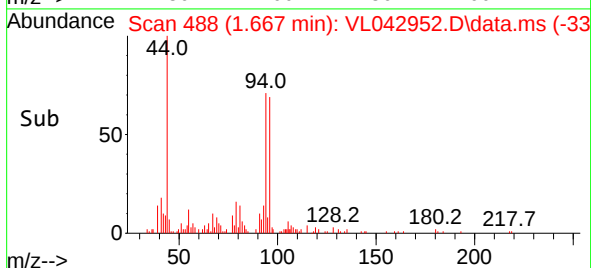
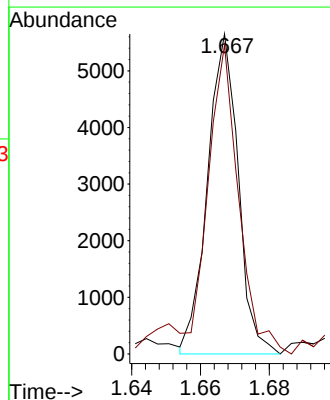
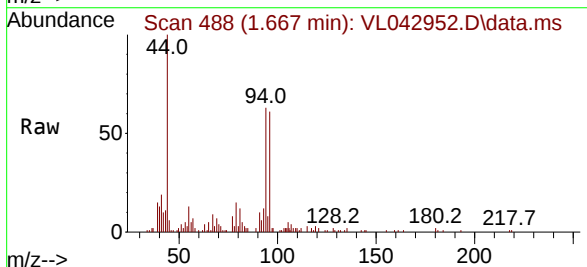
Instrument :
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 ClientSampleId :
 VSTDIC001

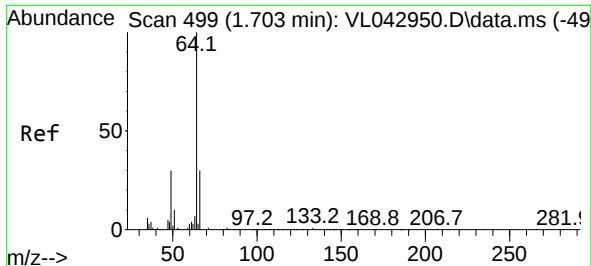
Tgt Ion: 62 Resp: 9228
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.4 38.2



#6
 Bromomethane
 Concen: 1.105 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion: 94 Resp: 3493
 Ion Ratio Lower Upper
 94 100
 96 94.4 72.6 108.8

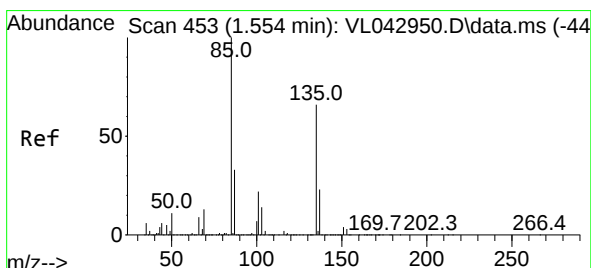
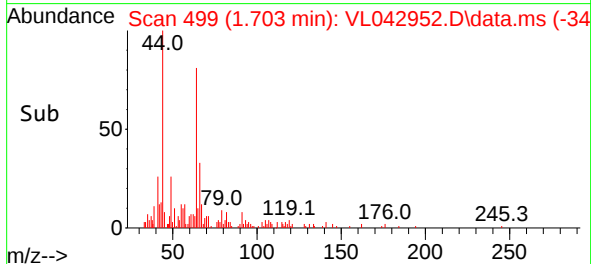
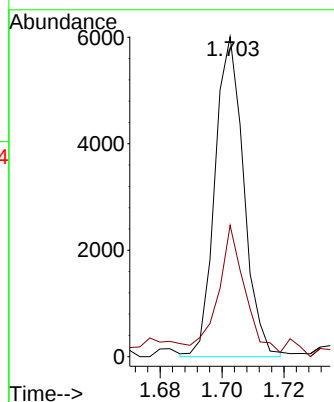
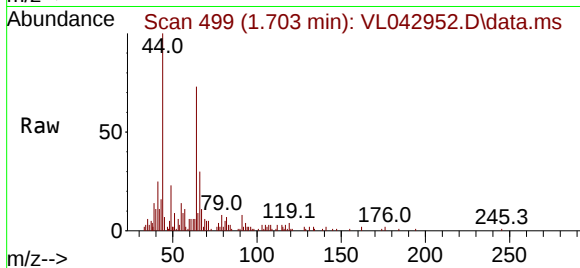




#7
Chloroethane
Concen: 1.113 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

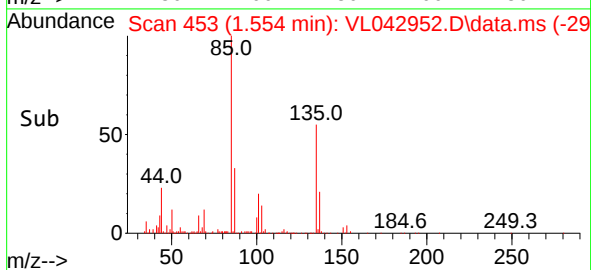
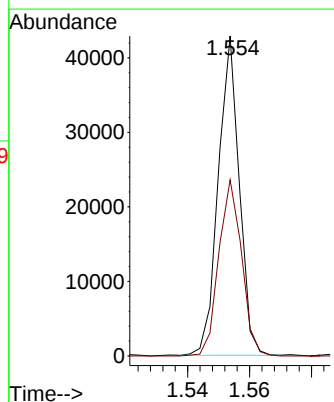
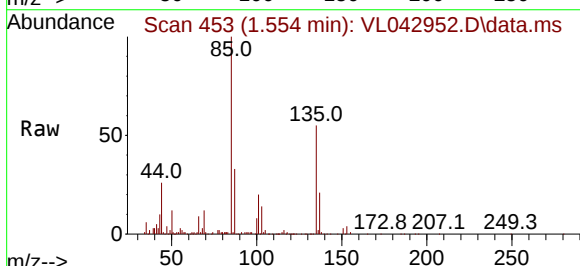
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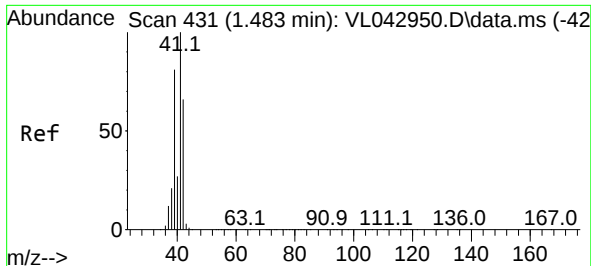
Tgt Ion: 64 Resp: 3872
Ion Ratio Lower Upper
64 100
66 41.0 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 1.079 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 85 Resp: 20172
Ion Ratio Lower Upper
85 100
135 59.9 49.7 74.5





#9

Propene

Concen: 1.079 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

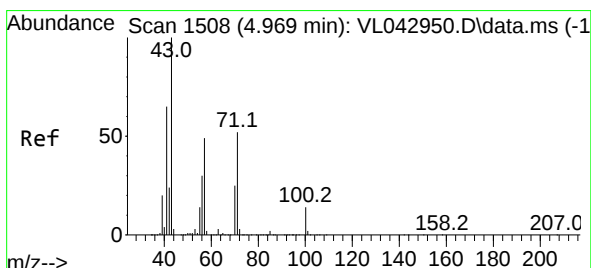
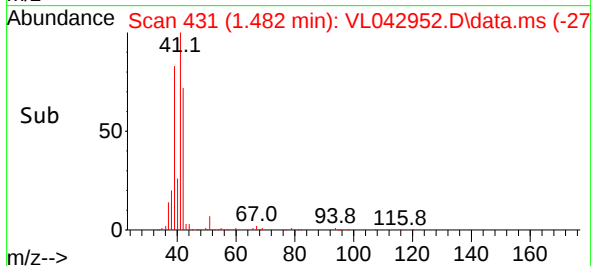
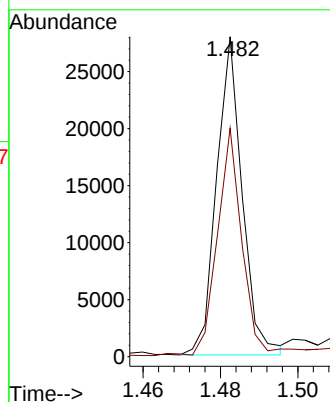
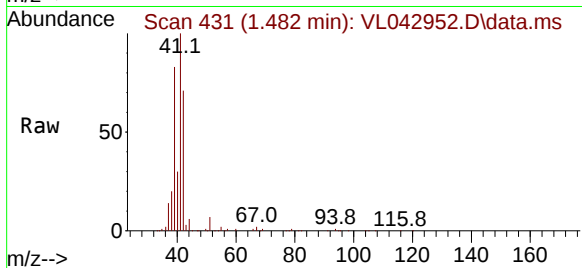
VSTDIC001

Tgt Ion: 41 Resp: 12808

Ion Ratio Lower Upper

41 100

42 78.5 57.4 86.2



#10

Heptane

Concen: 0.719 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. 0.003 min

Lab File: VL042952.D

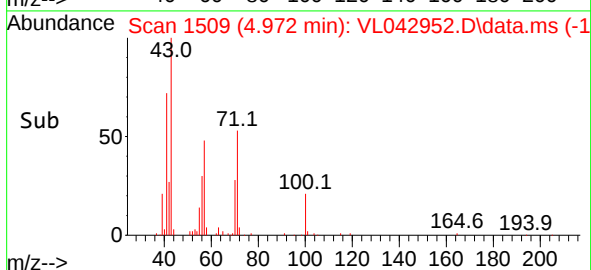
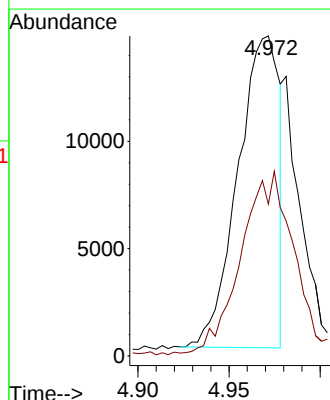
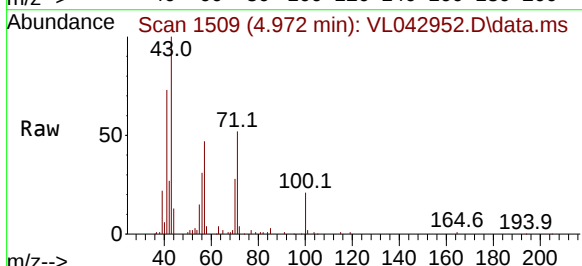
Acq: 22 Sep 2025 10:48

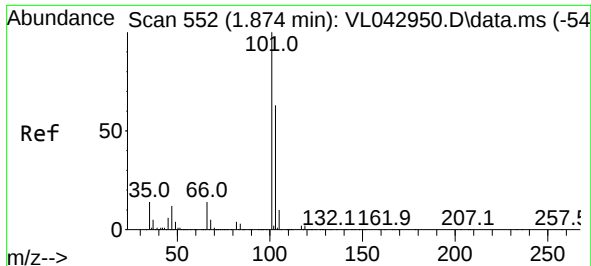
Tgt Ion: 43 Resp: 22885

Ion Ratio Lower Upper

43 100

57 76.9 38.6 57.8#

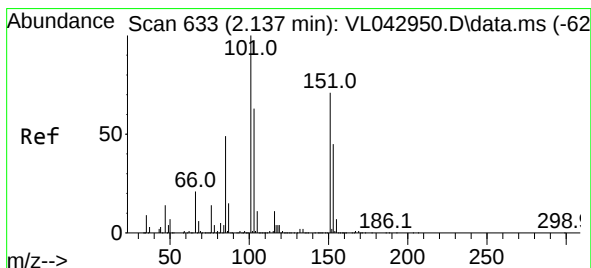
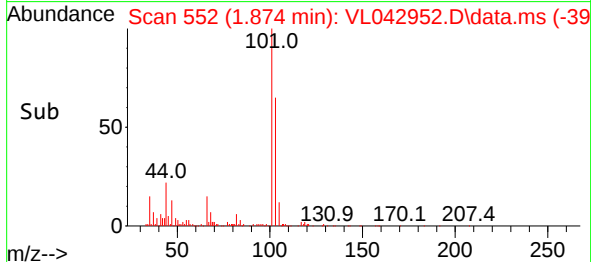
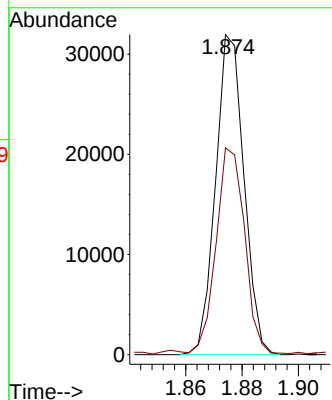
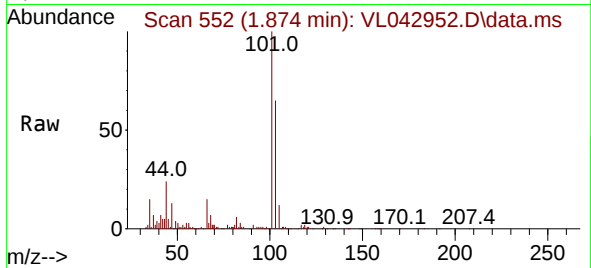




#11
 Trichlorofluoromethane
 Concen: 1.061 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

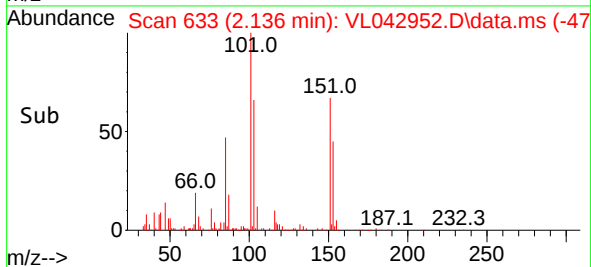
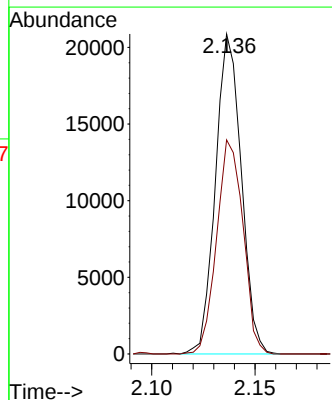
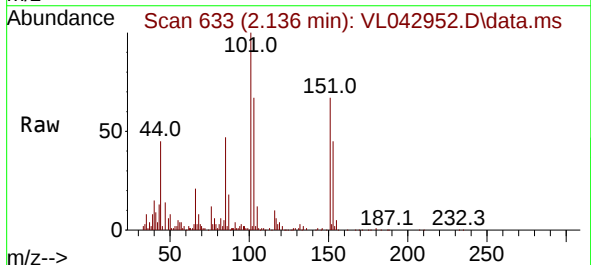
Instrument :
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 ClientSampleId :
 VSTDIC001

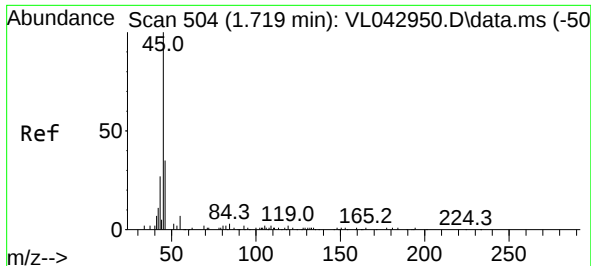
Tgt Ion:101 Resp: 22397
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.063 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion:101 Resp: 18180
 Ion Ratio Lower Upper
 101 100
 151 68.7 55.7 83.5

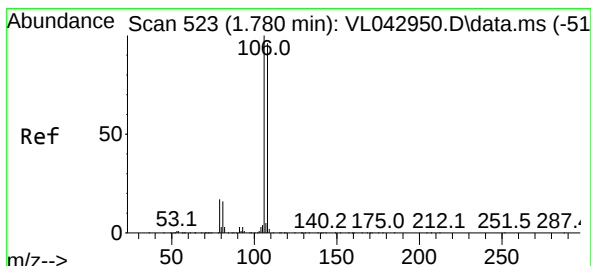
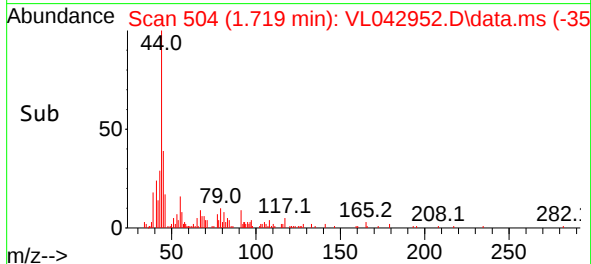
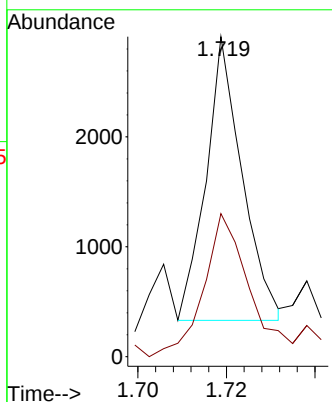
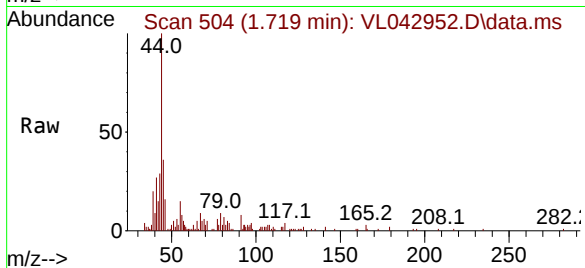




#13
Ethanol
Concen: 1.286 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

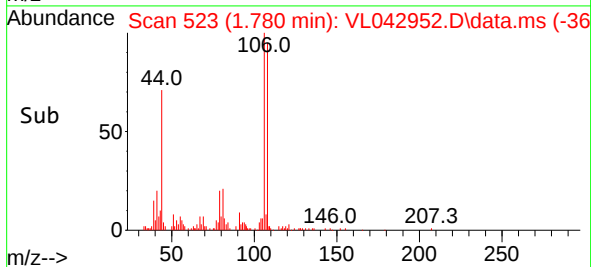
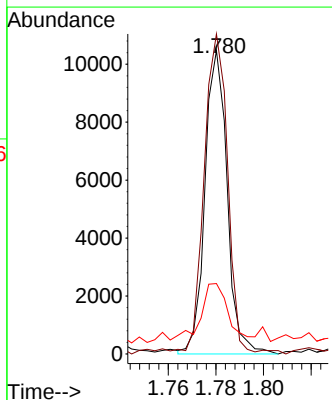
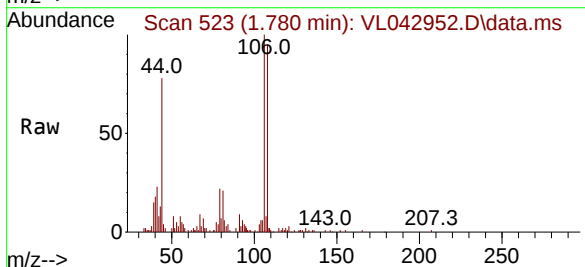
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

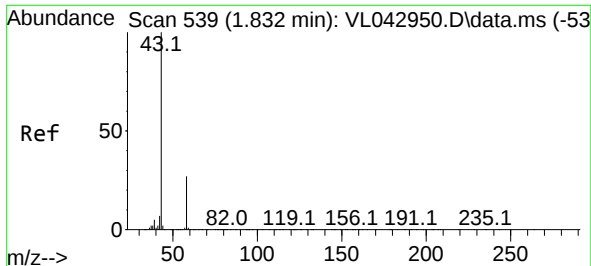
Tgt Ion: 45 Resp: 1463
Ion Ratio Lower Upper
45 100
46 82.0 16.2 64.6#



#14
Bromoethene
Concen: 1.049 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 108 Resp: 6783
Ion Ratio Lower Upper
108 100
106 110.6 86.0 129.0
79 50.8 14.2 21.2#

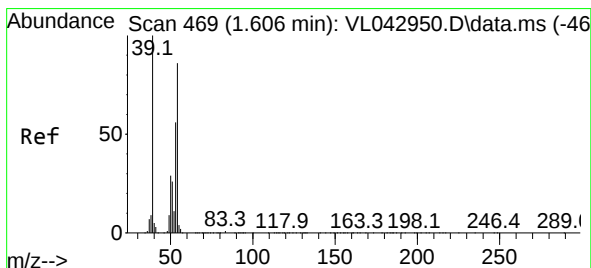
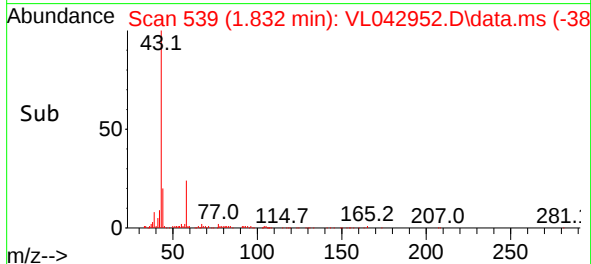
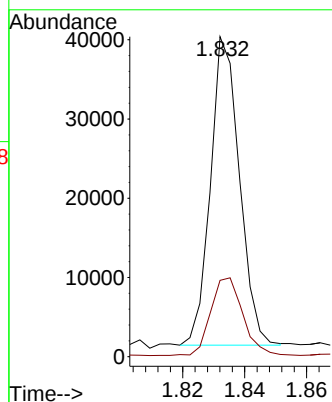
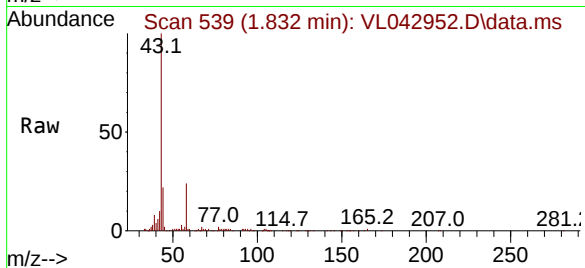




#15
Acetone
Concen: 1.192 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

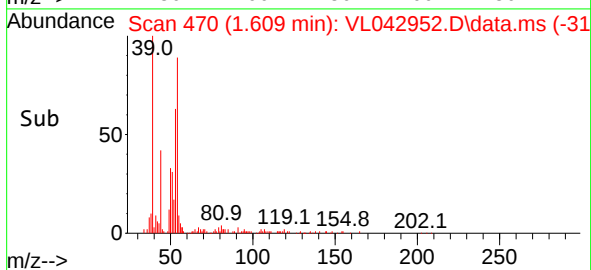
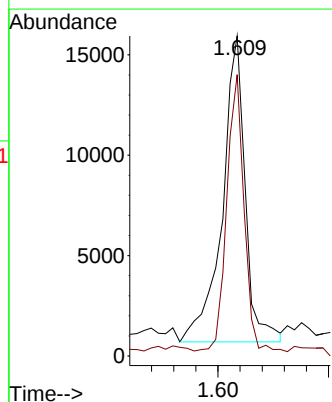
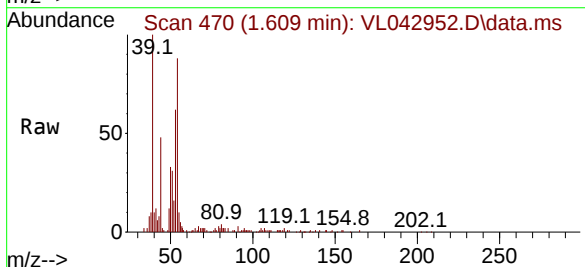
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

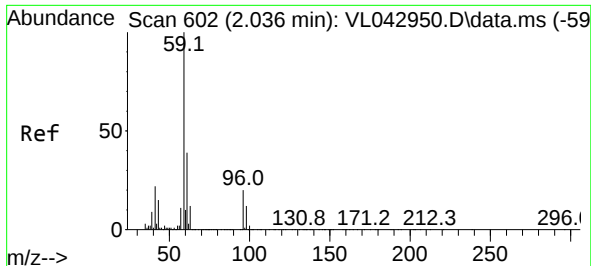
Tgt Ion: 43 Resp: 25273
Ion Ratio Lower Upper
43 100
58 28.3 22.3 33.5



#16
1,3-Butadiene
Concen: 1.099 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 39 Resp: 10993
Ion Ratio Lower Upper
39 100
54 86.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 1.081 ppbv

RT: 2.039 min Scan# 60

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_1

ClientSampleId :

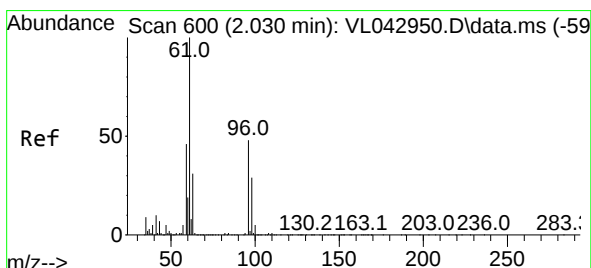
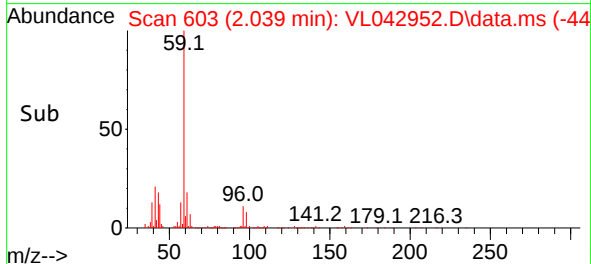
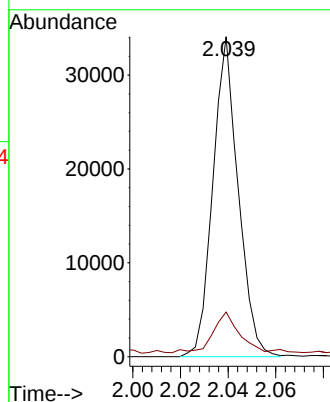
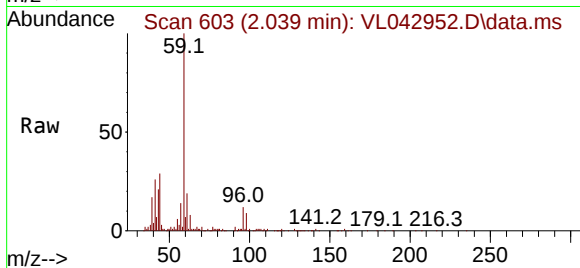
VSTDIC001

Tgt Ion: 59 Resp: 25141

Ion Ratio Lower Upper

59 100

57 15.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 1.035 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

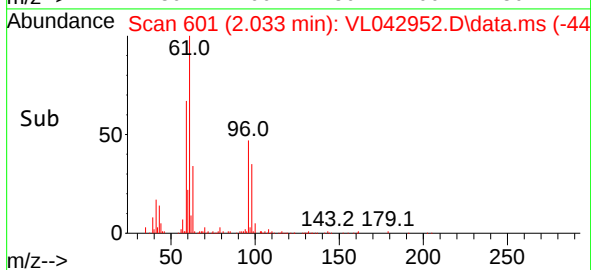
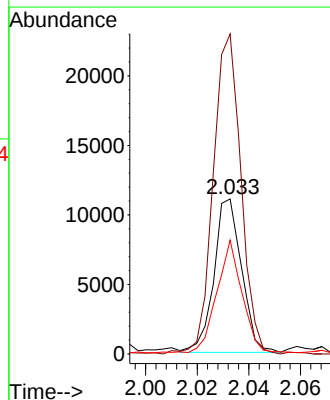
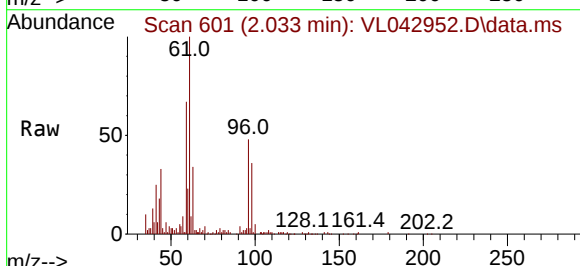
Tgt Ion: 96 Resp: 8192

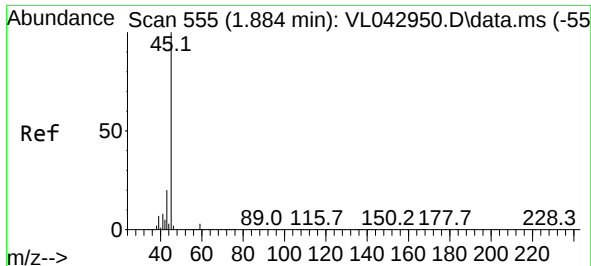
Ion Ratio Lower Upper

96 100

61 208.7 166.2 249.4

98 72.8 48.6 73.0

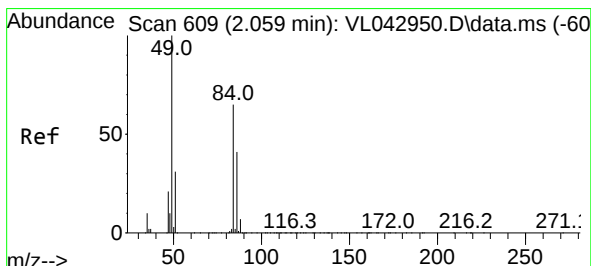
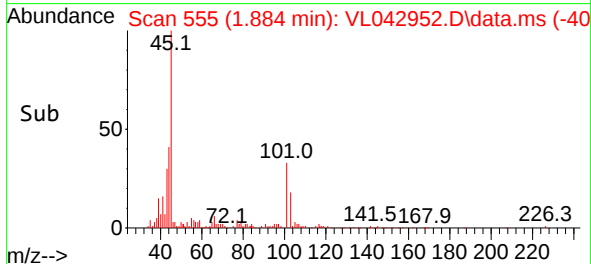
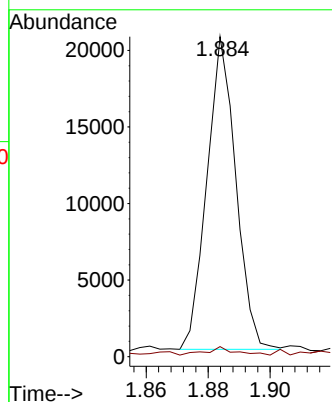
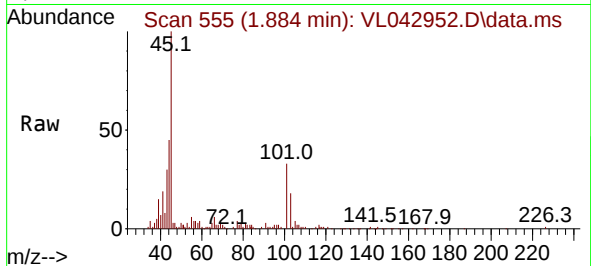




#19
Isopropyl Alcohol
Concen: 1.039 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

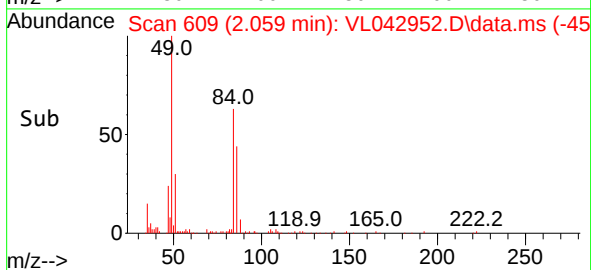
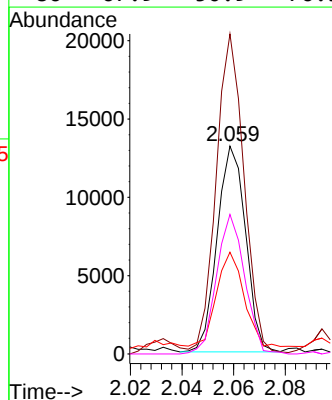
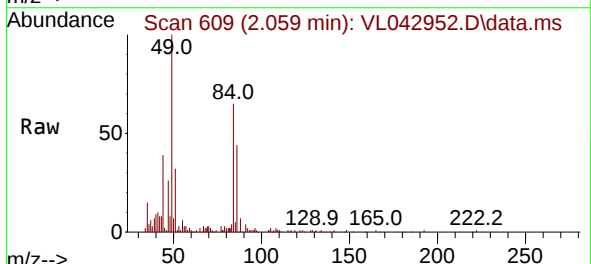
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

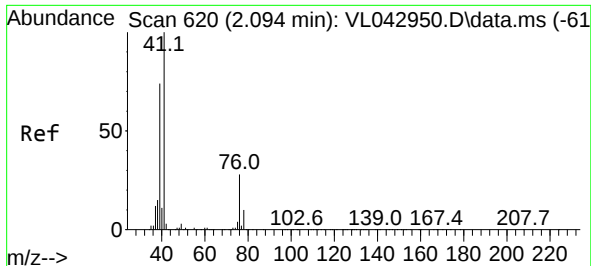
Tgt Ion: 45 Resp: 13241
Ion Ratio Lower Upper
45 100
58 2.6 31.0 46.6#



#20
Methylene Chloride
Concen: 0.985 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 84 Resp: 10045
Ion Ratio Lower Upper
84 100
49 154.6 124.1 186.1
51 45.9 39.8 59.8
86 67.9 50.9 76.3

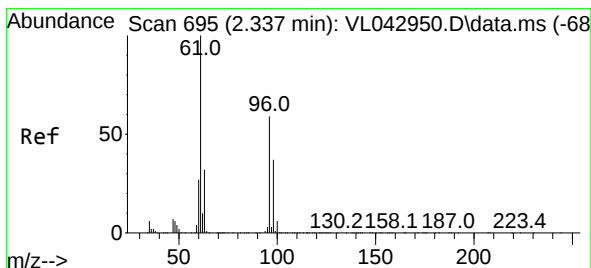
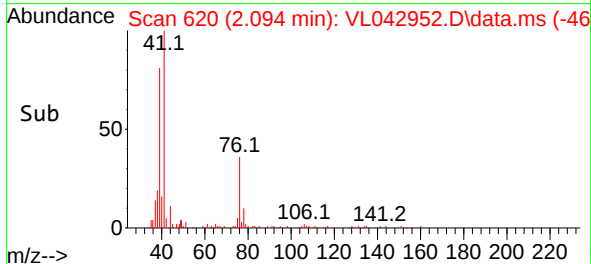
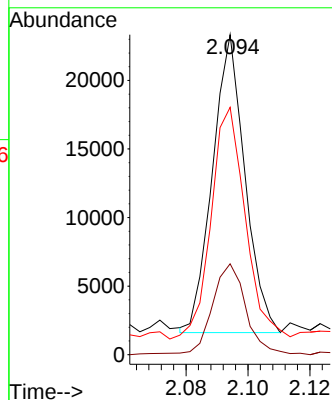
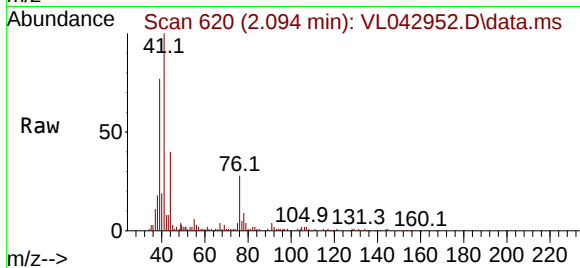




#21
 Allyl Chloride
 Concen: 1.070 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

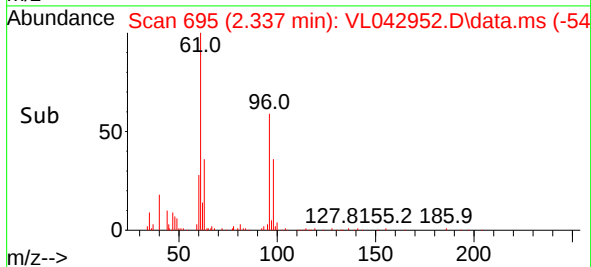
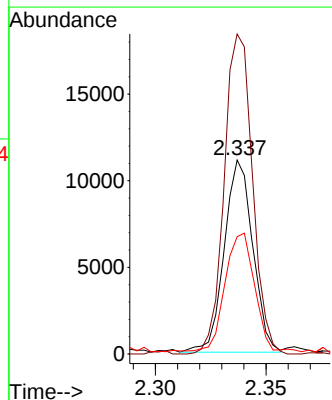
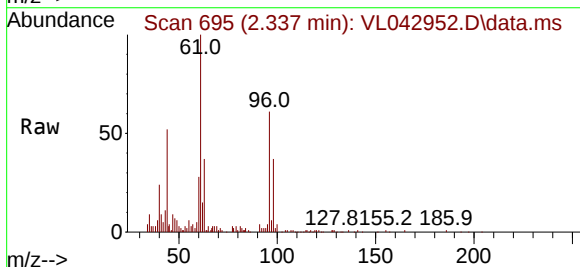
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

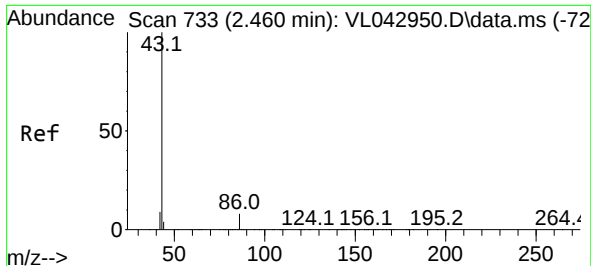
Tgt Ion: 41 Resp: 15801
 Ion Ratio Lower Upper
 41 100
 76 31.8 22.3 33.5
 39 80.7 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 1.108 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion: 96 Resp: 9960
 Ion Ratio Lower Upper
 96 100
 61 166.5 136.5 204.7
 98 59.4 50.6 76.0

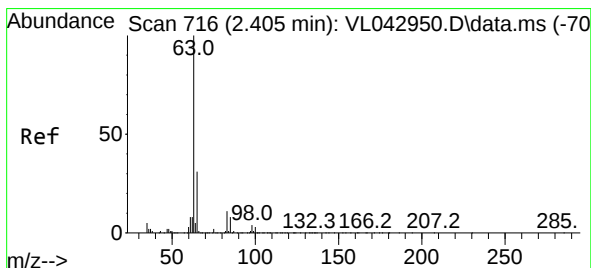
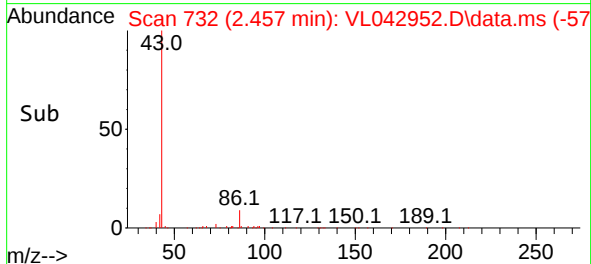
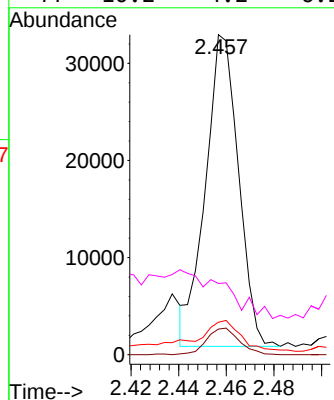
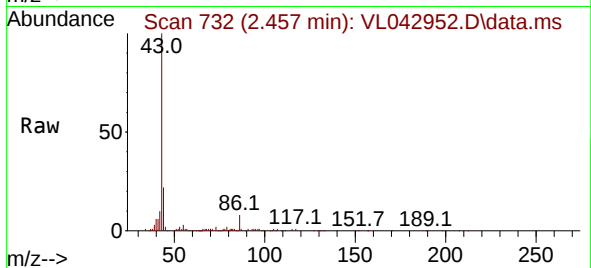




#23
 Vinyl Acetate
 Concen: 1.020 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

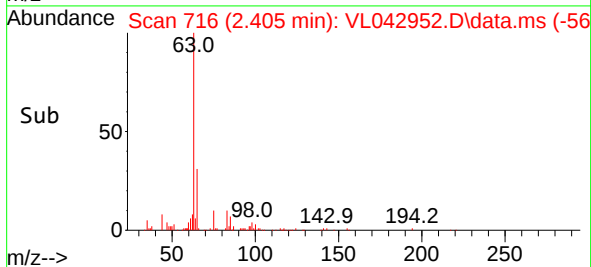
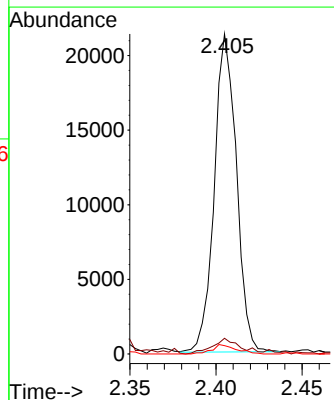
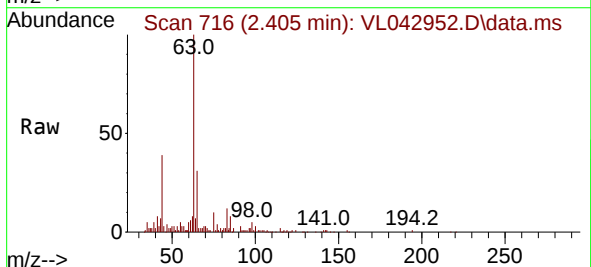
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

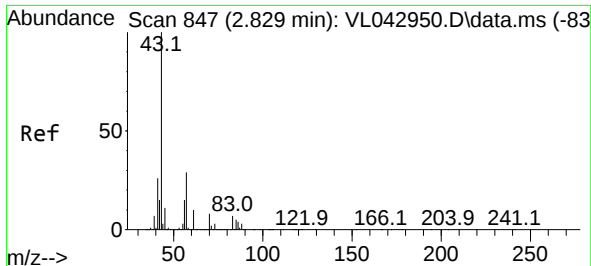
Tgt Ion:	43	Resp:	30884
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	9.0	7.4	11.0
44	10.2	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 1.082 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion:	63	Resp:	19077
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	2.6	1.4	4.0

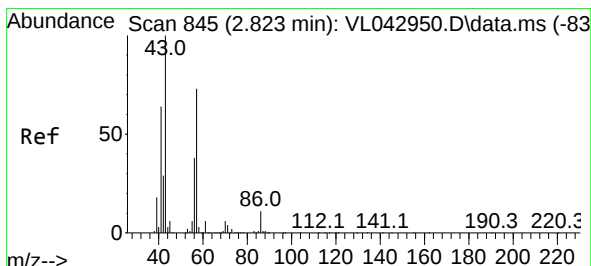
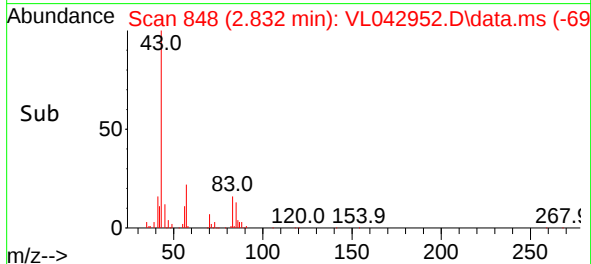
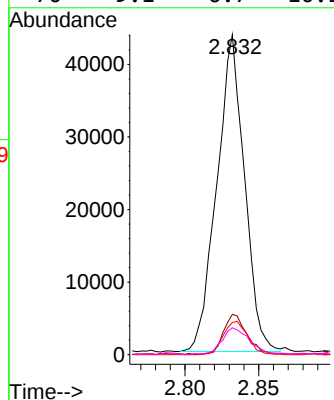
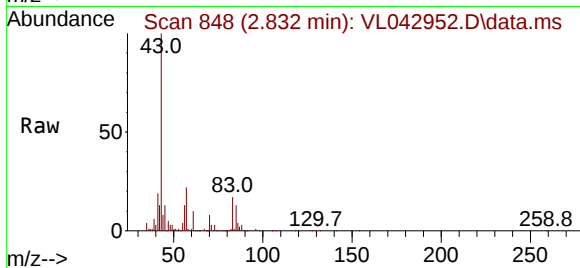




#25
Ethyl Acetate
Concen: 1.061 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

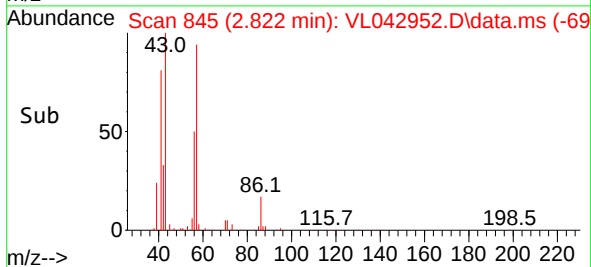
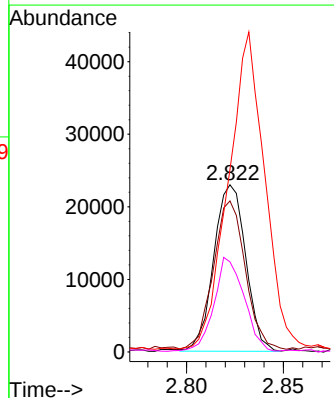
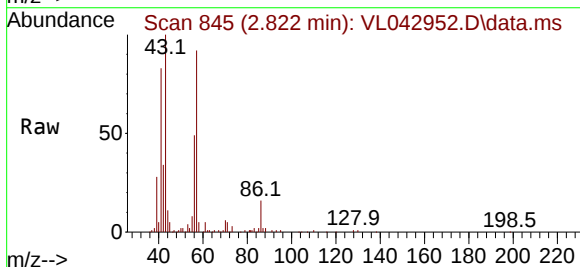
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

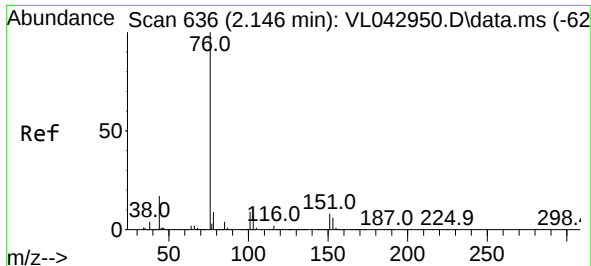
Tgt Ion: 43	Resp: 56877
Ion Ratio	Lower Upper
43 100	
45 11.4	7.7 11.5
61 9.3	7.1 10.7
70 9.1	6.7 10.1



#26
Hexane
Concen: 1.076 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 57	Resp: 26276
Ion Ratio	Lower Upper
57 100	
41 95.7	71.7 107.5
43 221.0	180.8 271.2
56 52.8	41.4 62.0

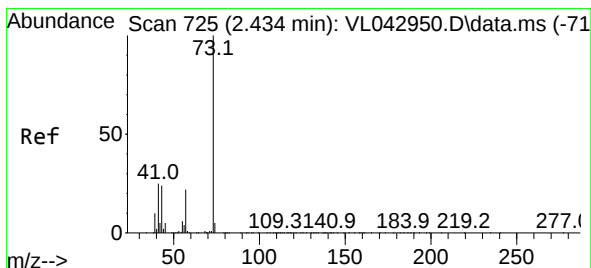
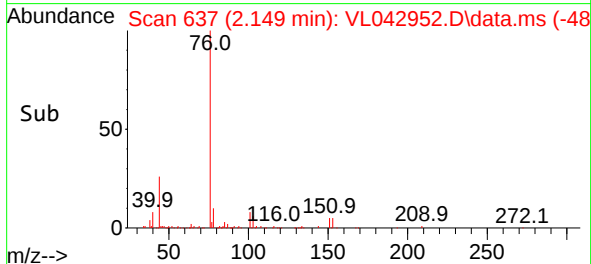
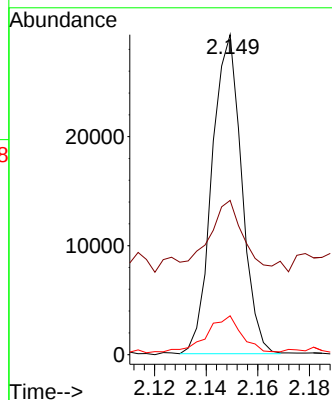
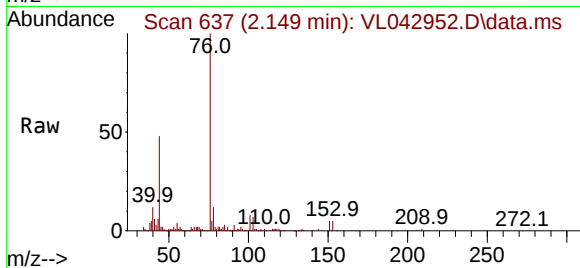




#27
Carbon Disulfide
Concen: 1.067 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

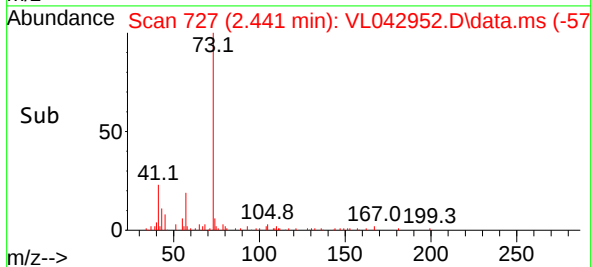
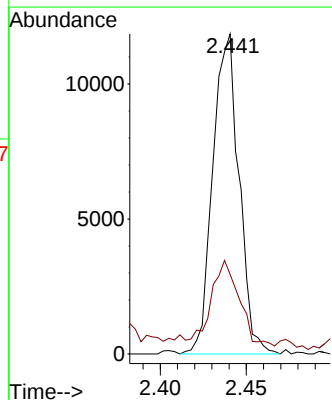
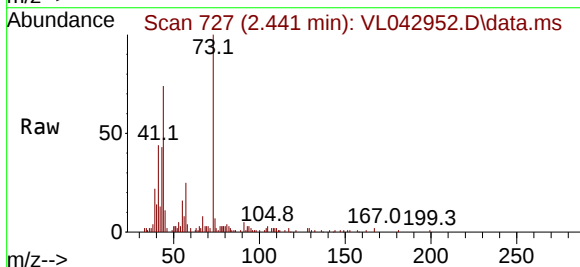
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

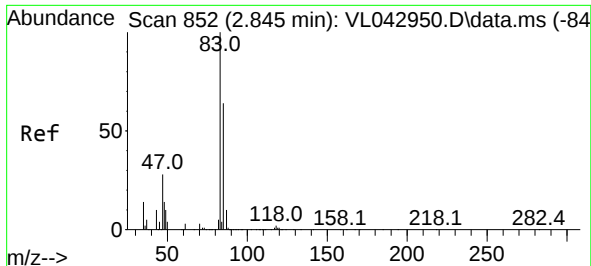
Tgt Ion: 76 Resp: 23373
Ion Ratio Lower Upper
76 100
44 66.3 15.6 23.4#
78 14.2 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.991 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 73 Resp: 12580
Ion Ratio Lower Upper
73 100
57 33.0 20.6 31.0#





#29

Chloroform

Concen: 1.041 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

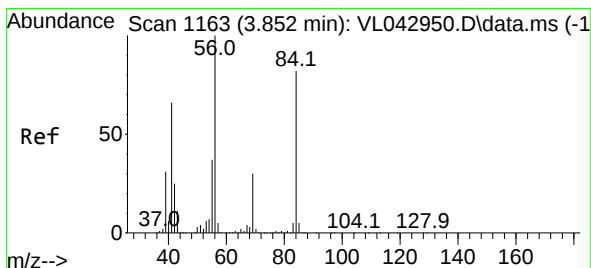
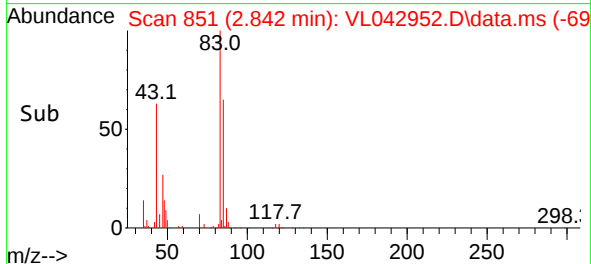
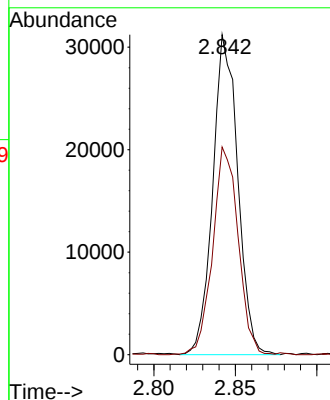
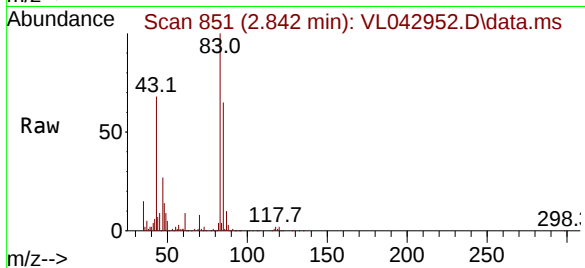
VSTDIC001

Tgt Ion: 83 Resp: 33240

Ion Ratio Lower Upper

83 100

85 64.7 51.2 76.8



#30

Cyclohexane

Concen: 1.063 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

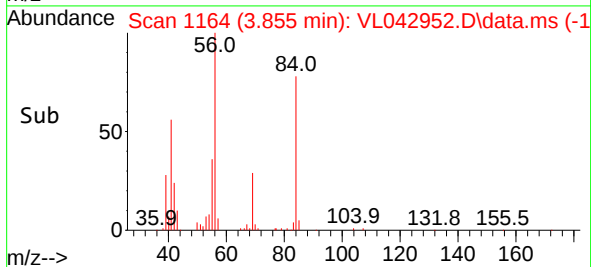
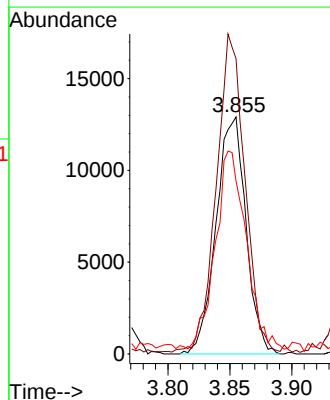
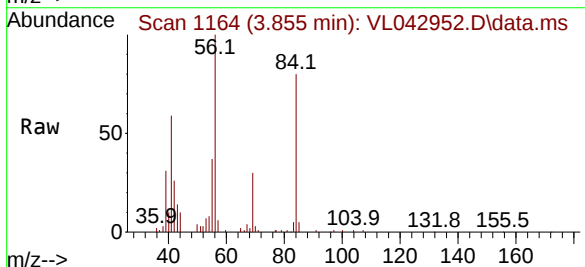
Tgt Ion: 84 Resp: 21707

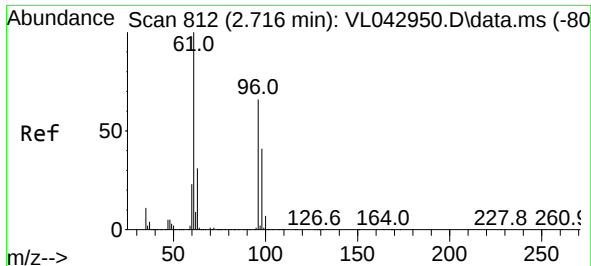
Ion Ratio Lower Upper

84 100

56 127.5 102.2 153.4

41 86.0 65.6 98.4

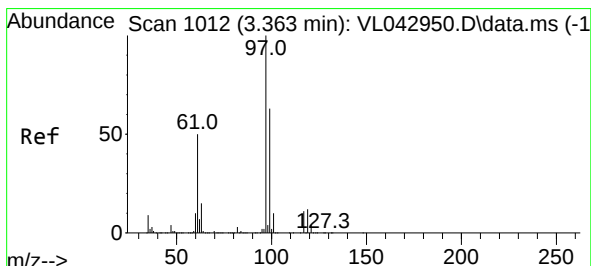
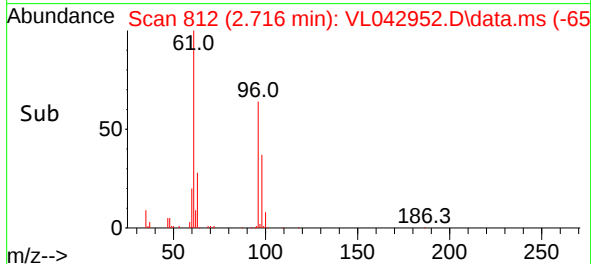
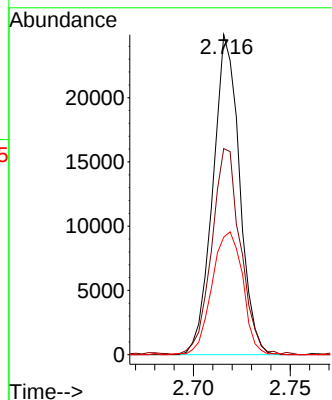
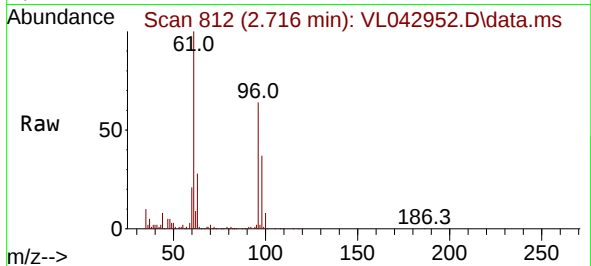




#31
 cis-1,2-Dichloroethene
 Concen: 1.041 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

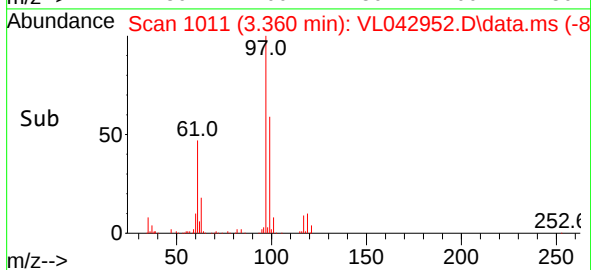
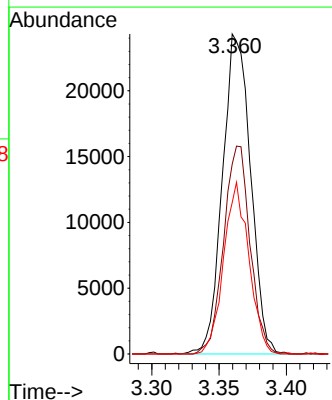
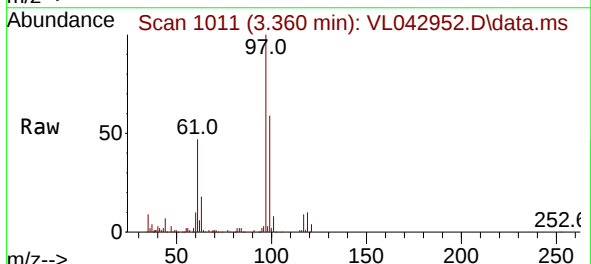
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

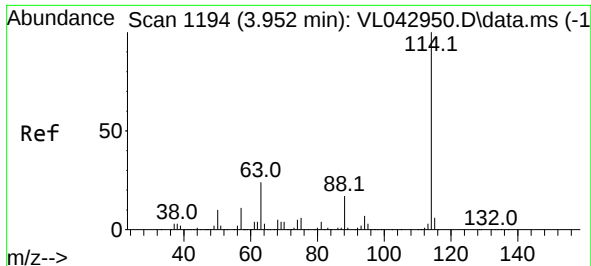
Tgt Ion: 61 Resp: 23828
 Ion Ratio Lower Upper
 61 100
 96 64.2 53.0 79.6
 98 36.4 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 1.018 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion: 97 Resp: 35233
 Ion Ratio Lower Upper
 97 100
 99 61.1 51.1 76.7
 61 48.3 39.8 59.6

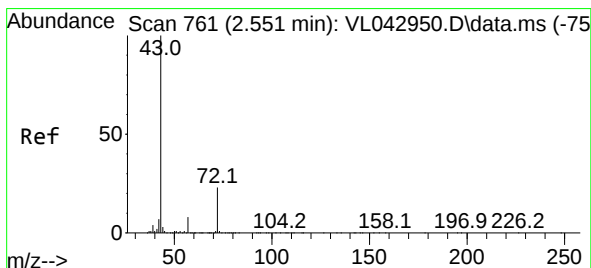
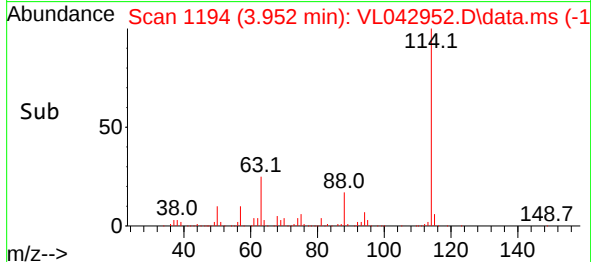
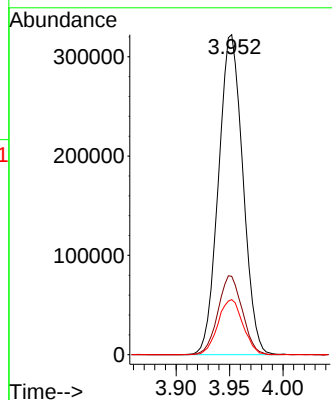
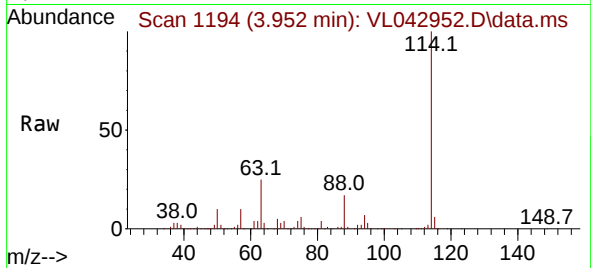




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

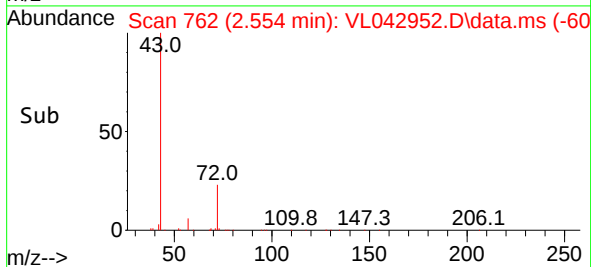
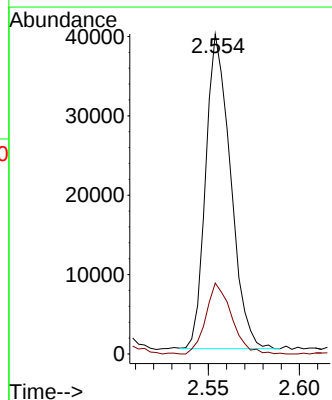
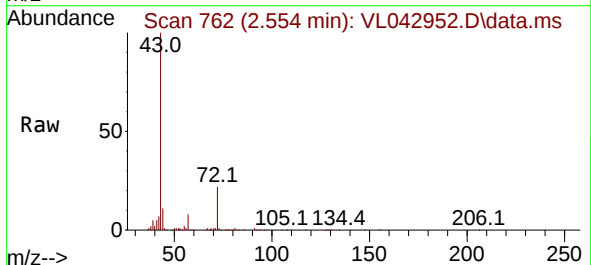
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

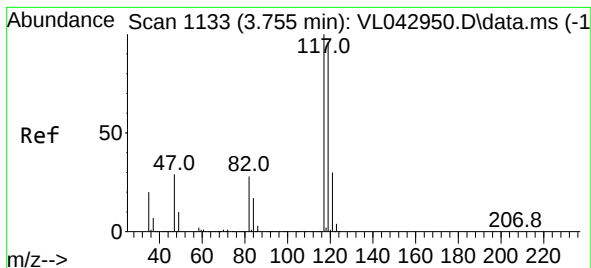
Tgt Ion:114 Resp: 511767
Ion Ratio Lower Upper
114 100
63 24.6 19.4 29.2
88 17.6 14.2 21.2



#34
2-Butanone
Concen: 1.044 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 43 Resp: 37431
Ion Ratio Lower Upper
43 100
72 23.4 17.7 26.5





#35

Carbon Tetrachloride

Concen: 1.033 ppbv

RT: 3.758 min Scan# 1134

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

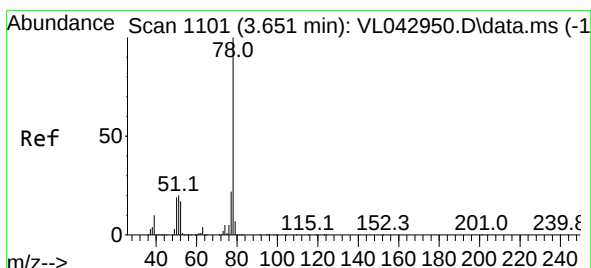
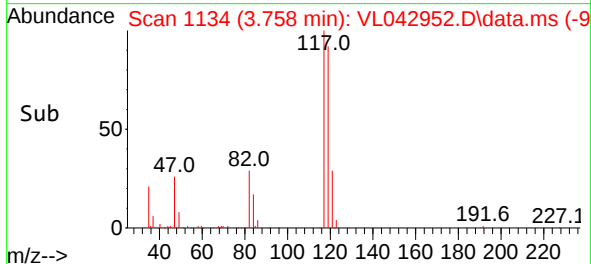
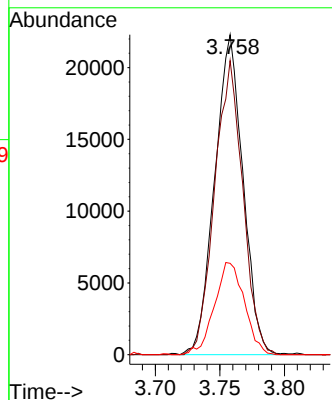
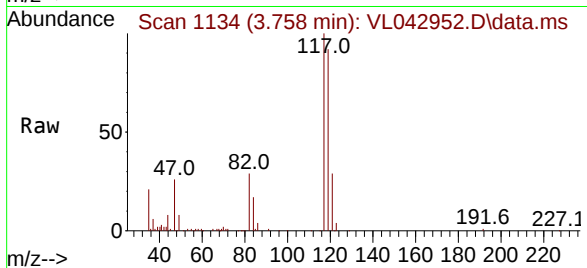
Tgt Ion:117 Resp: 34016

Ion Ratio Lower Upper

117 100

119 91.9 76.9 115.3

121 28.5 23.7 35.5



#36

Benzene

Concen: 1.033 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

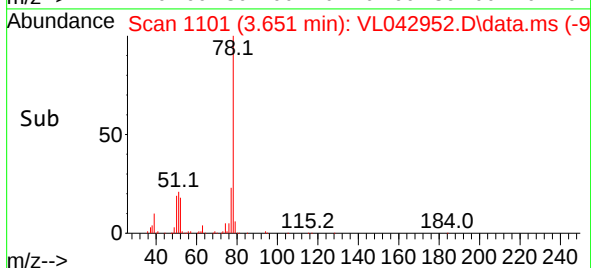
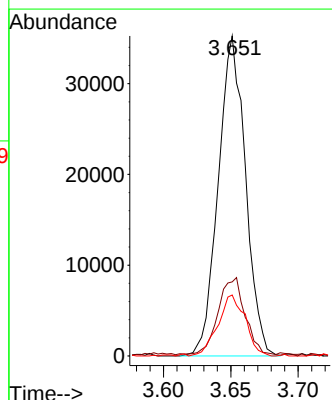
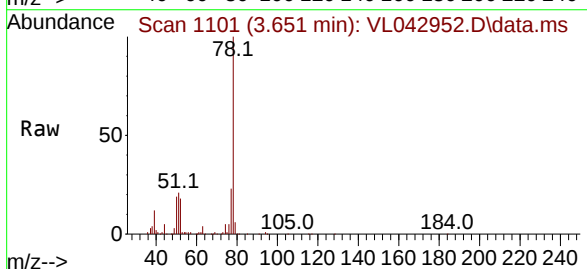
Tgt Ion: 78 Resp: 49652

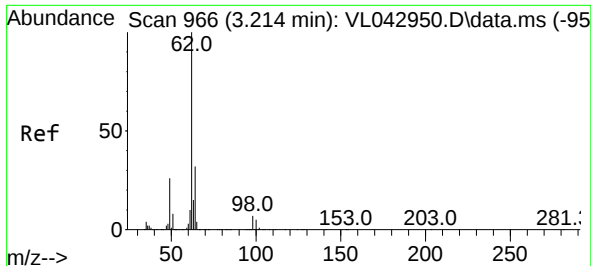
Ion Ratio Lower Upper

78 100

77 22.4 17.8 26.6

50 18.8 15.0 22.4

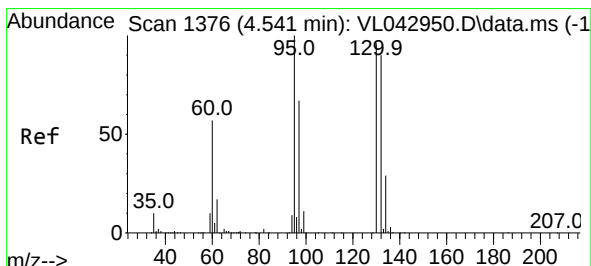
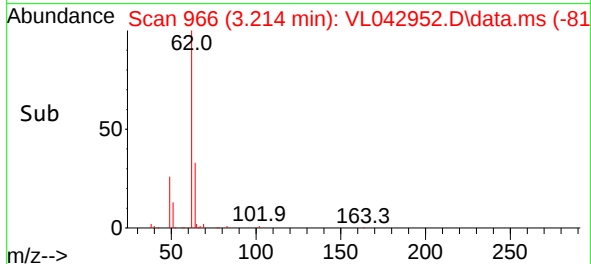
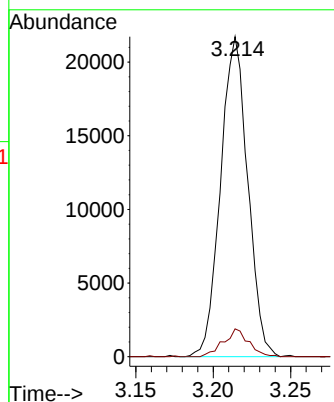
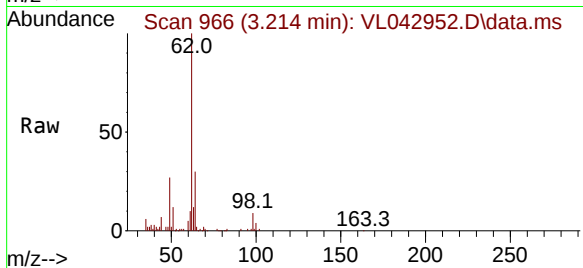




#37
1,2-Dichloroethane
Concen: 1.048 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

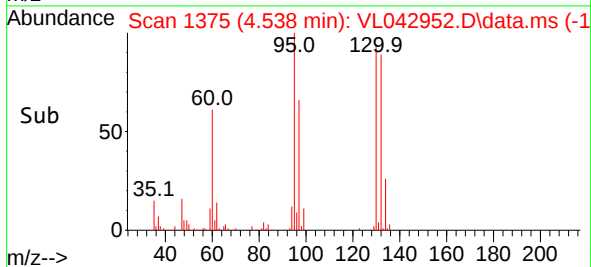
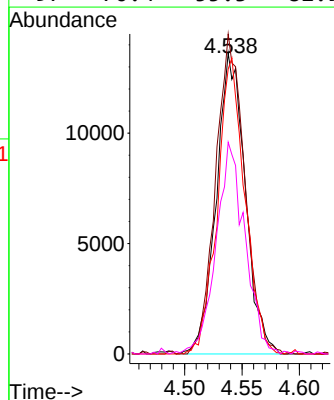
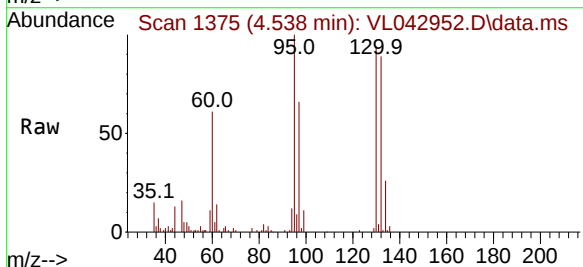
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

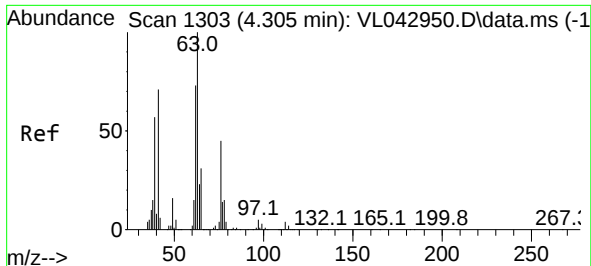
Tgt Ion: 62 Resp: 26482
Ion Ratio Lower Upper
62 100
98 8.0 5.9 8.9



#38
Trichloroethene
Concen: 1.001 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:130 Resp: 23906
Ion Ratio Lower Upper
130 100
95 106.0 83.0 124.4
132 94.7 74.6 112.0
97 70.4 55.3 82.9





#39

1,2-Dichloropropane

Concen: 0.585 ppbv

RT: 4.302 min Scan# 1302

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

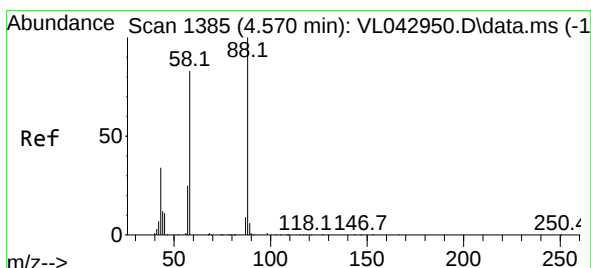
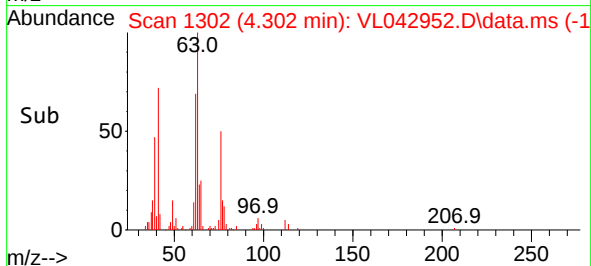
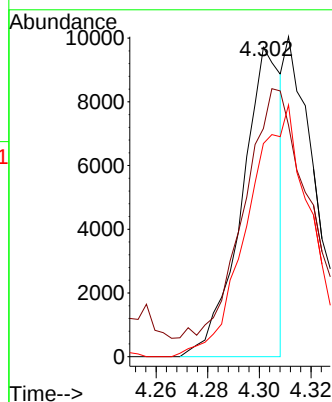
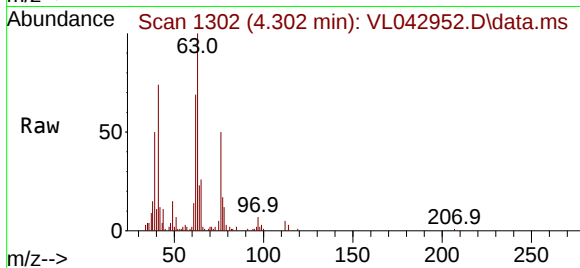
Tgt Ion: 63 Resp: 10275

Ion	Ratio	Lower	Upper
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63	100		
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41	67.7	57.5	86.3
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62	67.8	58.5	87.7
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#40

1,4-Dioxane

Concen: 0.439 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.013 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Tgt Ion: 88 Resp: 3579

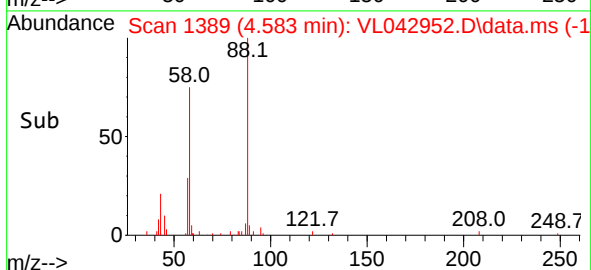
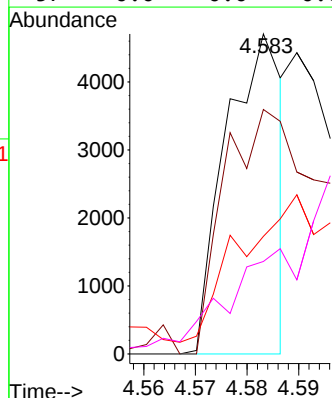
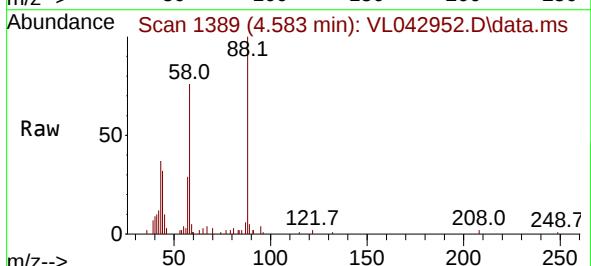
Ion	Ratio	Lower	Upper
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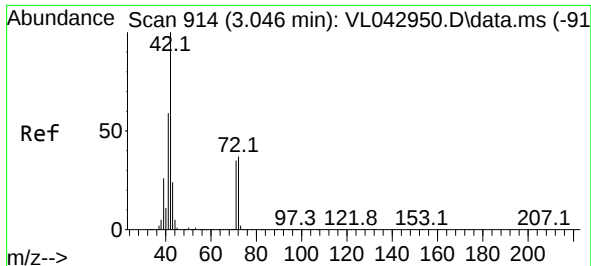
88	100		
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58	188.0	59.7	89.5#
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43	23.8	28.9	43.3#
----	------	------	-------

57	0.0	0.0	0.0
----	-----	-----	-----

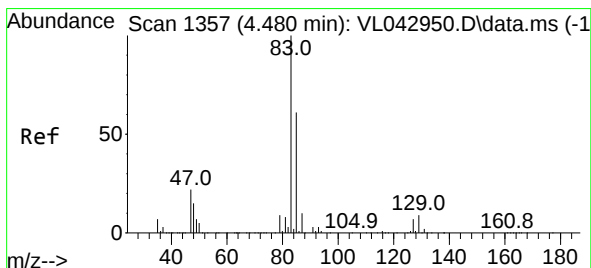
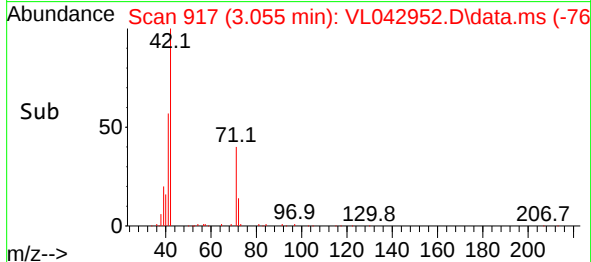
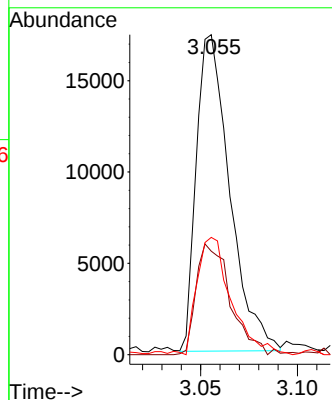
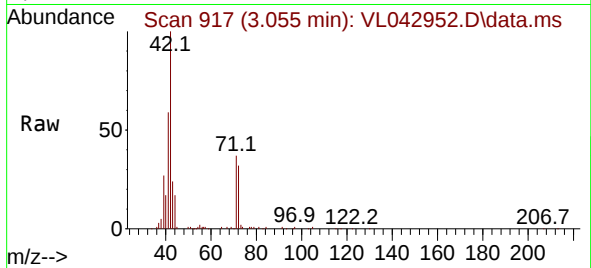




#41
Tetrahydrofuran
Concen: 1.011 ppbv
RT: 3.055 min Scan# 914
Delta R.T. 0.009 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

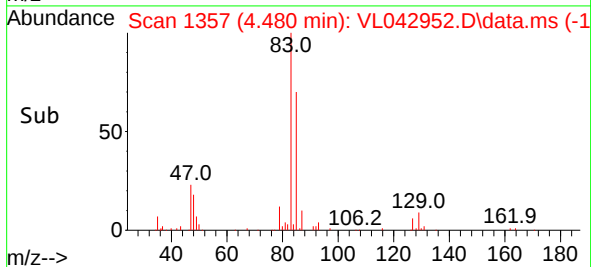
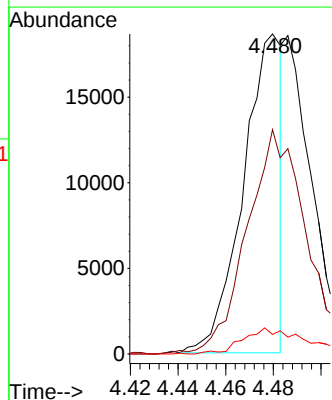
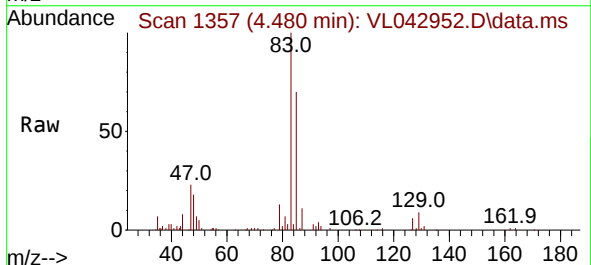
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

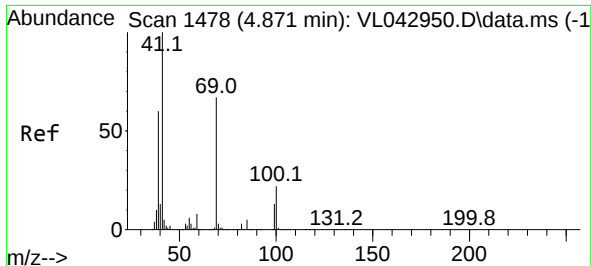
Tgt Ion: 42 Resp: 20845
Ion Ratio Lower Upper
42 100
72 37.0 30.0 45.0
71 37.4 28.8 43.2



#42
Bromodichloromethane
Concen: 0.592 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 83 Resp: 20848
Ion Ratio Lower Upper
83 100
85 69.3 49.0 73.6
127 5.9 5.3 7.9

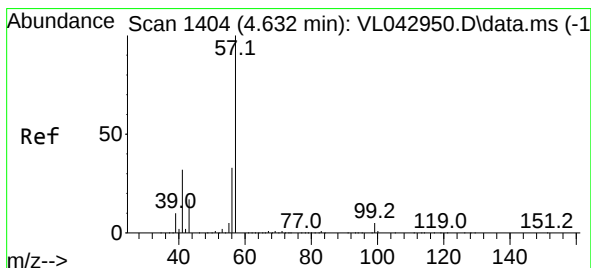
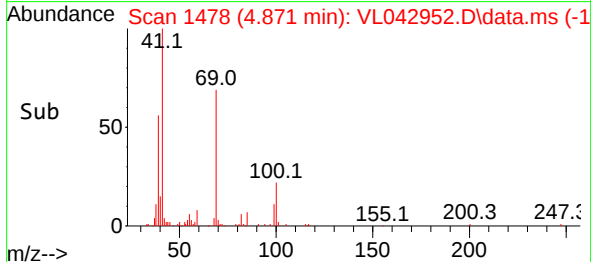
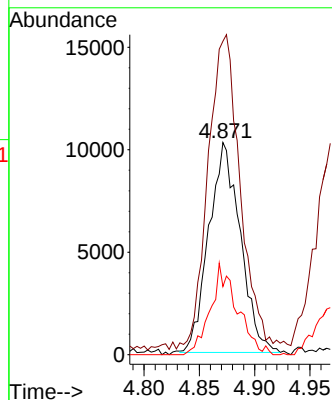
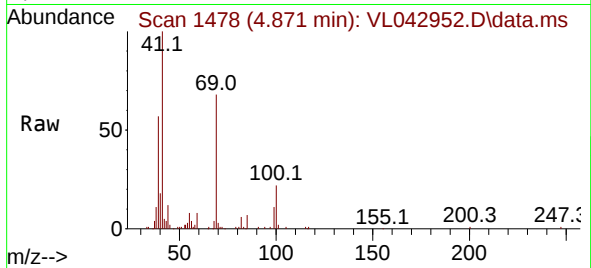




#43
Methyl Methacrylate
Concen: 1.040 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

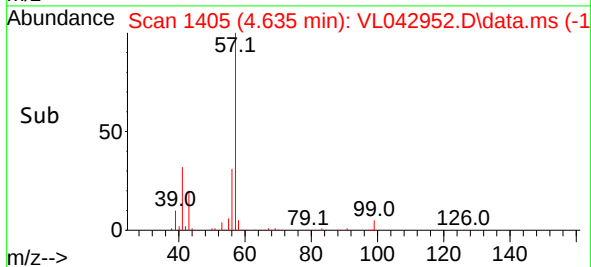
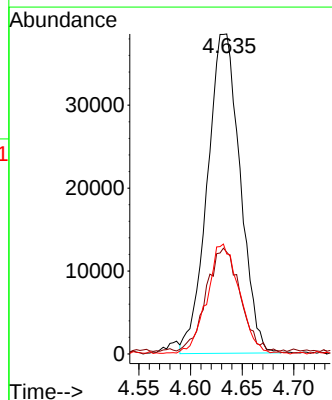
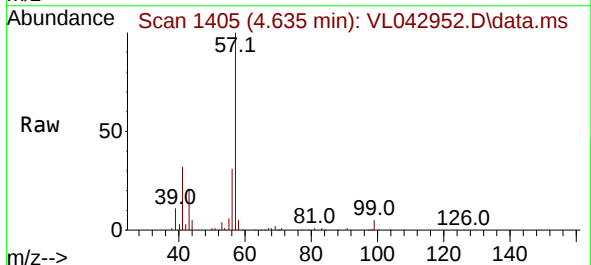
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

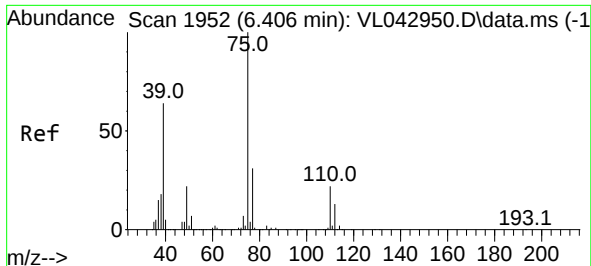
Tgt Ion: 69 Resp: 20289
Ion Ratio Lower Upper
69 100
41 152.1 124.5 186.7
100 36.8 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 1.023 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 57 Resp: 84970
Ion Ratio Lower Upper
57 100
41 34.1 25.5 38.3
56 34.4 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 0.565 ppbv

RT: 6.402 min Scan# 1952

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

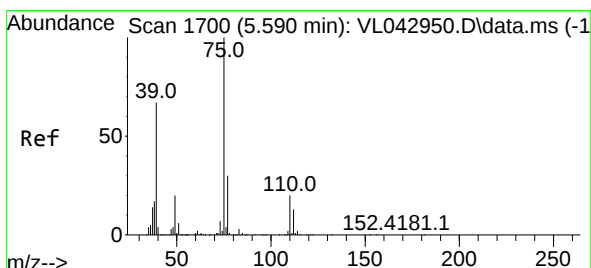
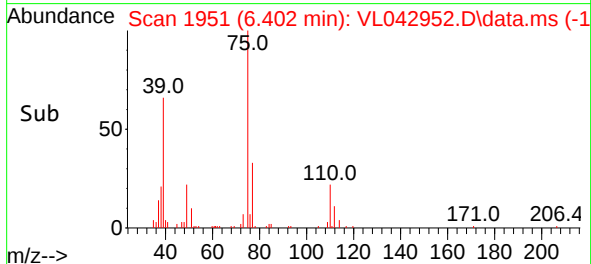
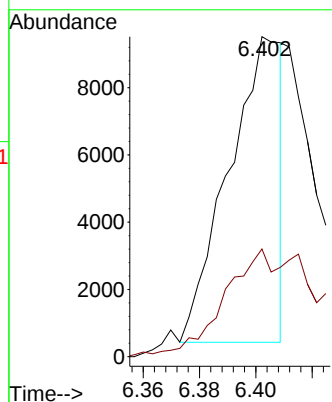
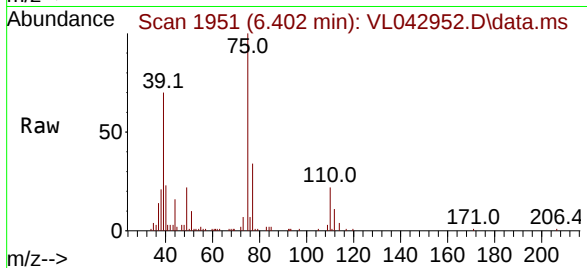
VSTDIC001

Tgt Ion: 75 Resp: 11857

Ion Ratio Lower Upper

75 100

77 33.7 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.395 ppbv

RT: 5.596 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

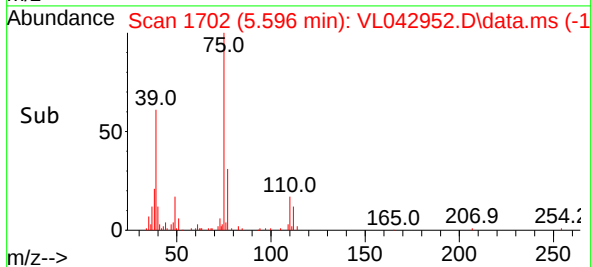
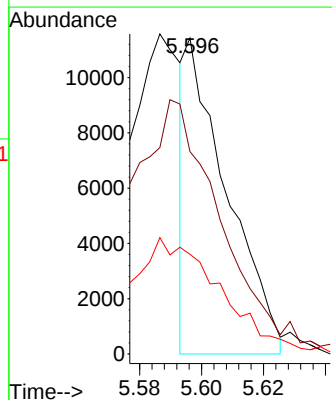
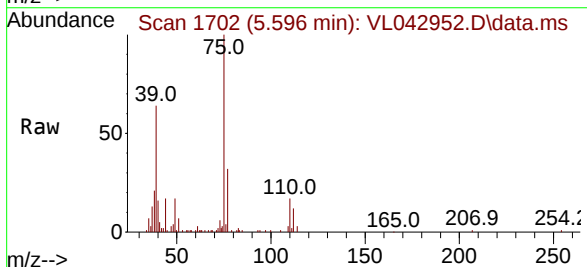
Tgt Ion: 75 Resp: 10544

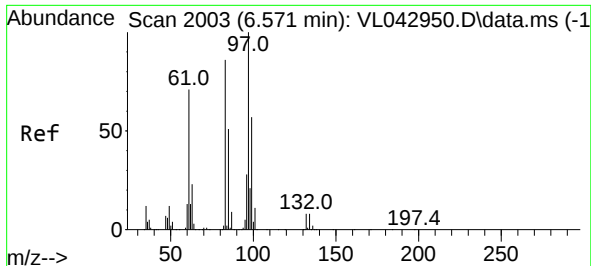
Ion Ratio Lower Upper

75 100

39 61.2 53.8 80.6

77 28.4 23.6 35.4

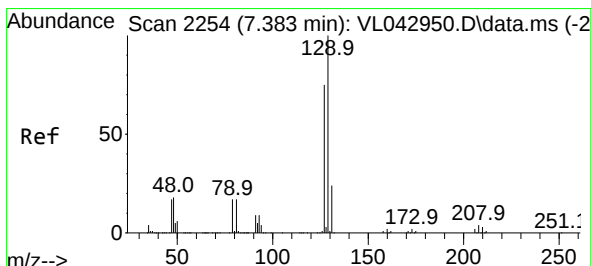
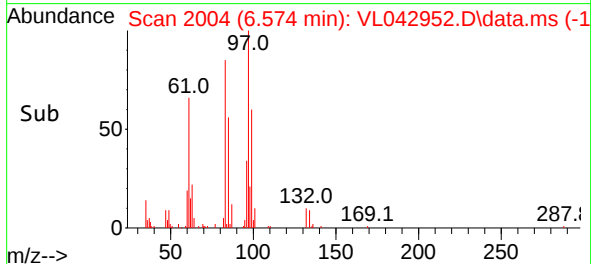
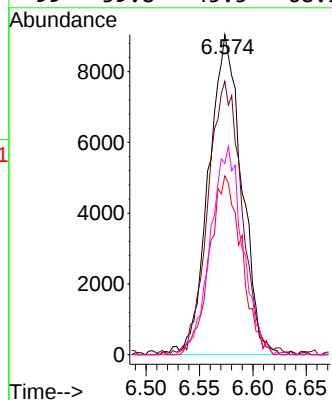
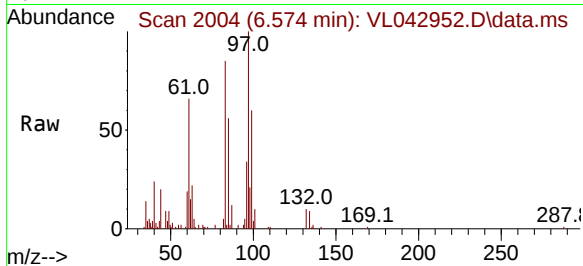




#47
1,1,2-Trichloroethane
Concen: 1.041 ppbv
RT: 6.574 min Scan# 2003
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

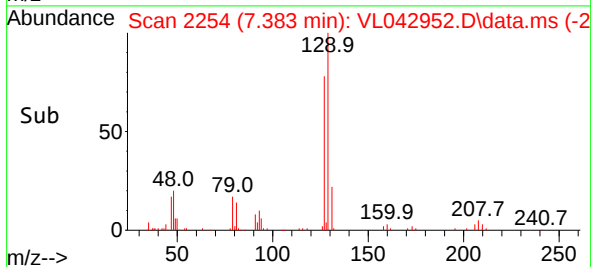
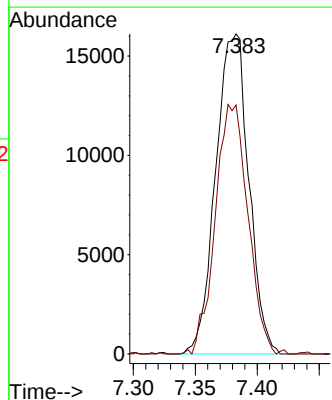
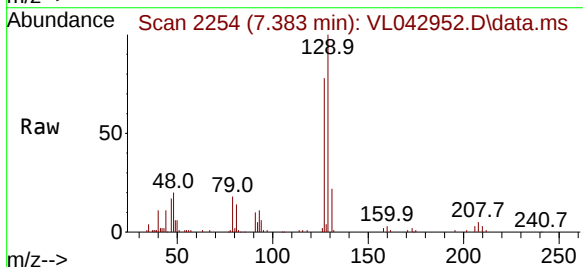
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

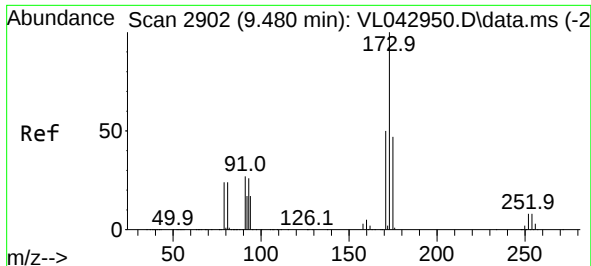
Tgt Ion:	97	Resp:	19311
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.7	103.1
85	55.9	40.6	60.8
99	59.8	45.5	68.3



#48
Dibromochloromethane
Concen: 1.012 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:	129	Resp:	30015
Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2





#49

Bromoform

Concen: 1.005 ppbv

RT: 9.477 min Scan# 2901

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

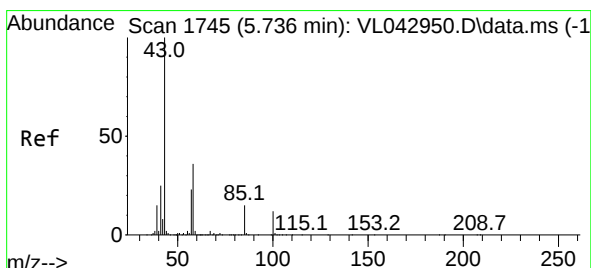
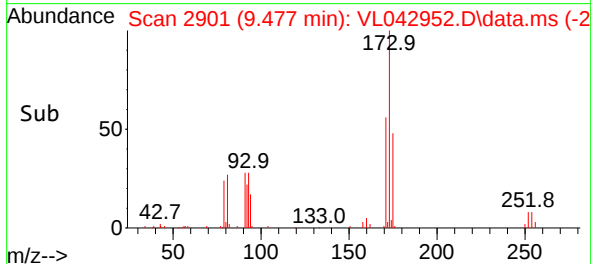
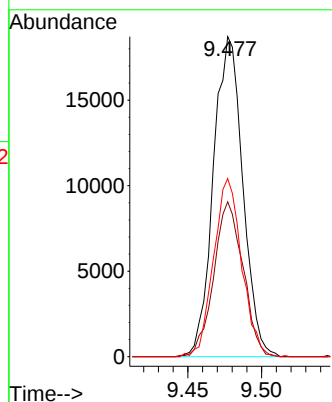
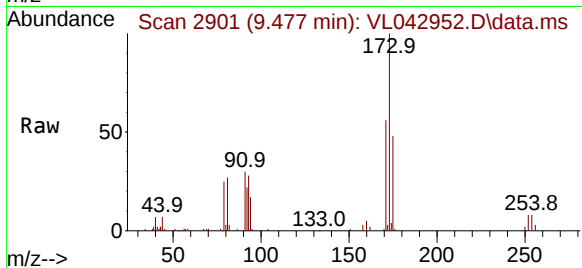
Tgt Ion:173 Resp: 25929

Ion Ratio Lower Upper

173 100

175 48.2 37.9 56.9

171 53.2 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 1.007 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. 0.013 min

Lab File: VL042952.D

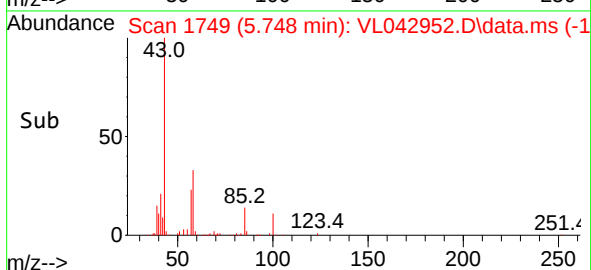
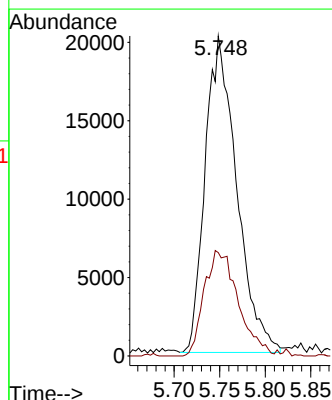
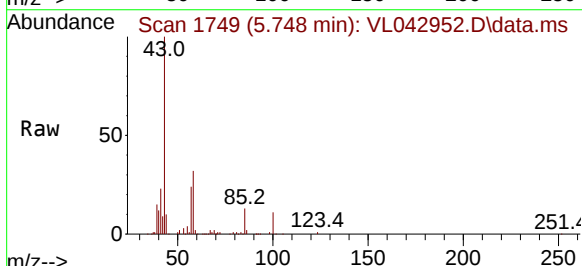
Acq: 22 Sep 2025 10:48

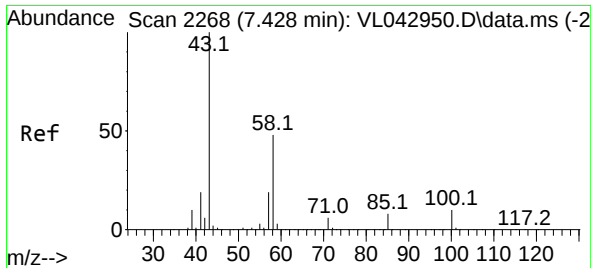
Tgt Ion: 43 Resp: 48546

Ion Ratio Lower Upper

43 100

58 36.5 28.4 42.6

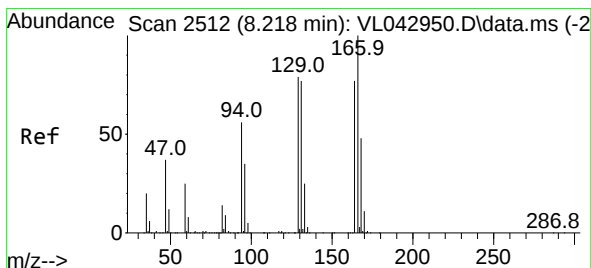
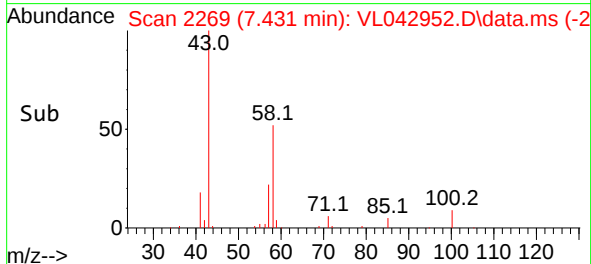
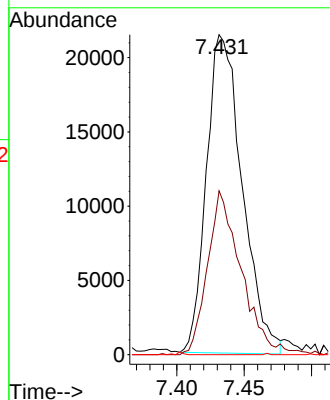
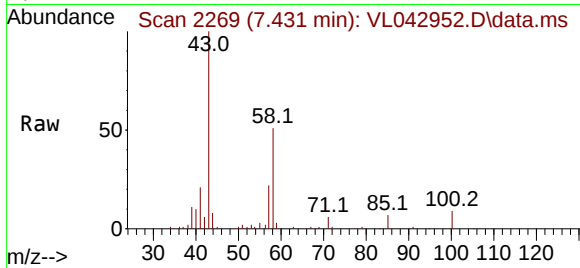




#51
2-Hexanone
Concen: 1.034 ppbv
RT: 7.431 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

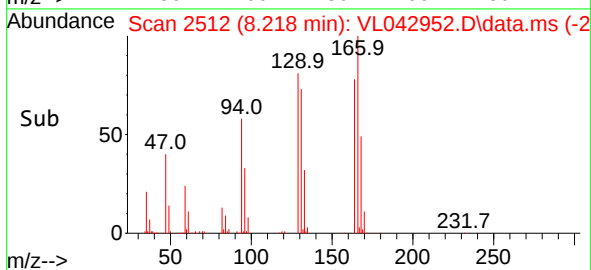
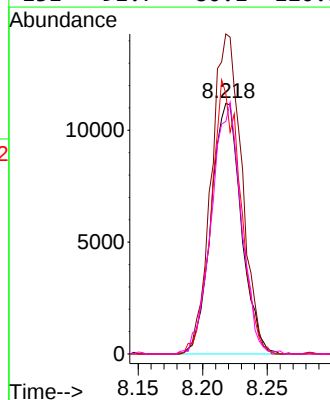
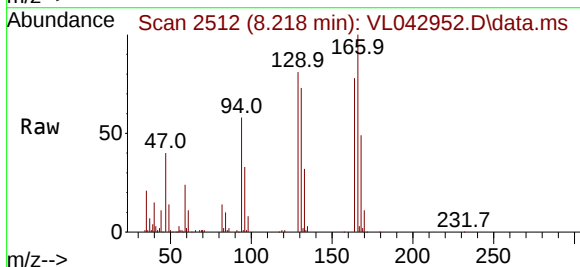
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

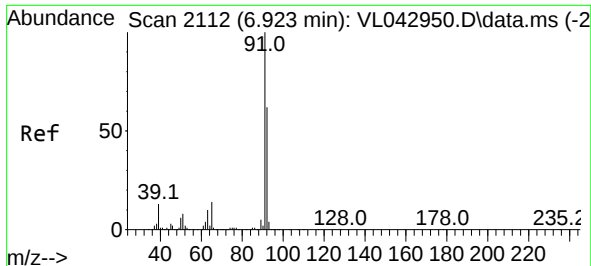
Tgt Ion: 43 Resp: 39627
Ion Ratio Lower Upper
43 100
58 48.6 39.7 59.5
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.978 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 164 Resp: 18188
Ion Ratio Lower Upper
164 100
166 127.7 103.5 155.3
129 104.0 82.2 123.4
131 91.7 80.1 120.1

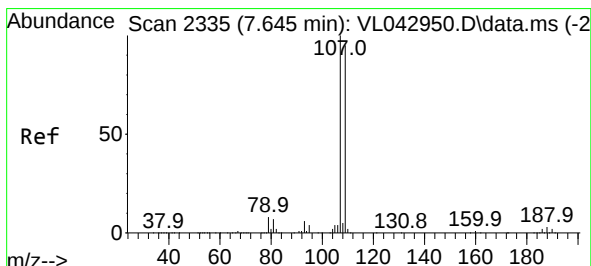
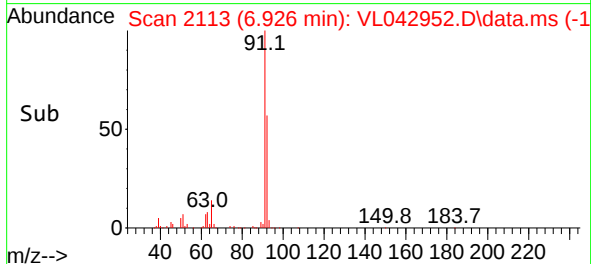
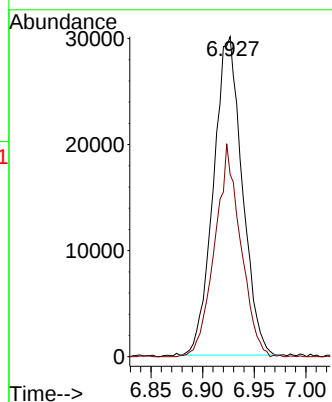
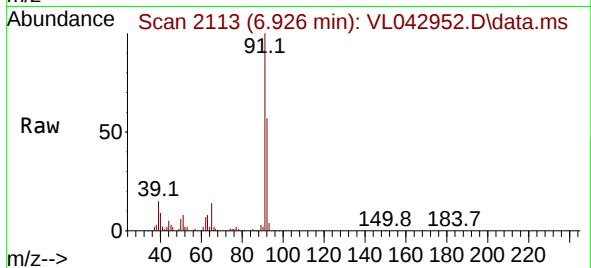




#53
Toluene
Concen: 1.023 ppbv
RT: 6.926 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

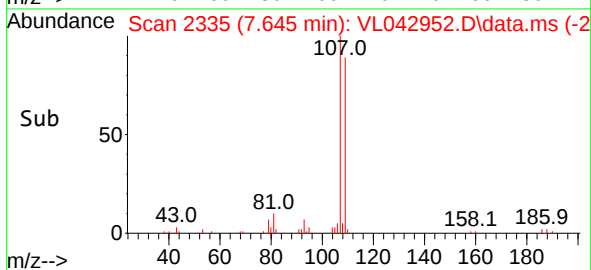
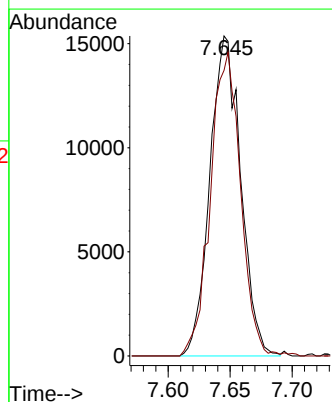
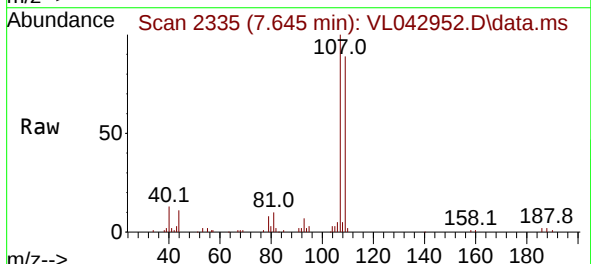
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

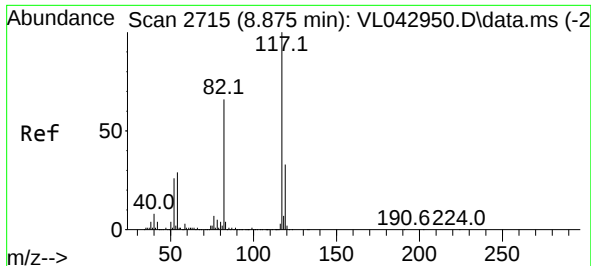
Tgt Ion: 91 Resp: 58200
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.2



#54
1,2-Dibromoethane
Concen: 1.020 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 107 Resp: 26608
Ion Ratio Lower Upper
107 100
109 89.3 75.8 113.8

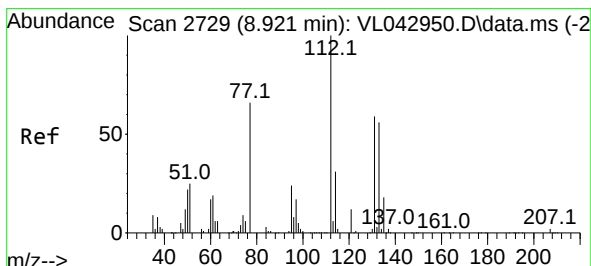
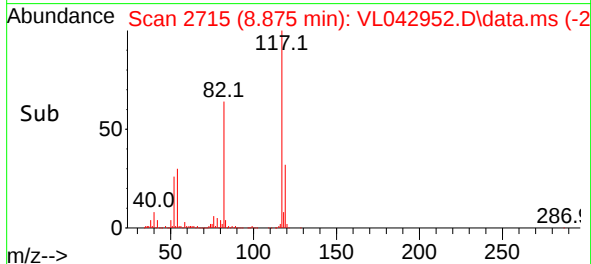
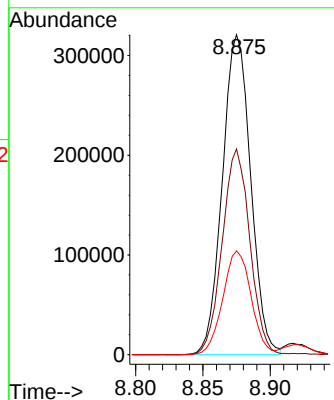
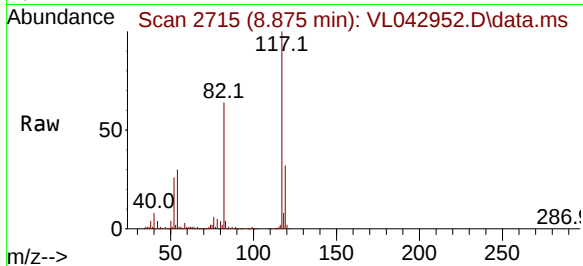




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

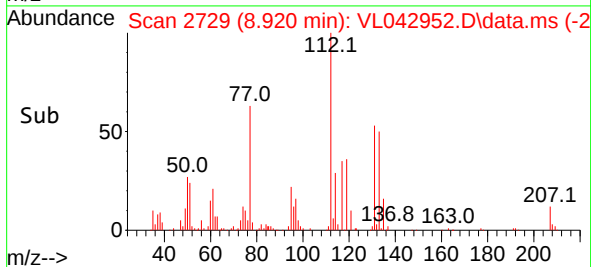
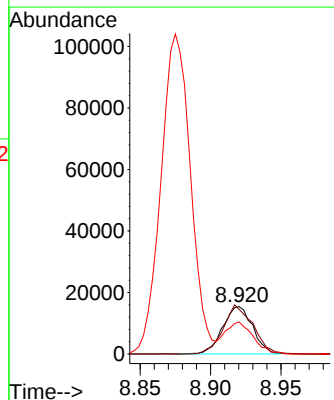
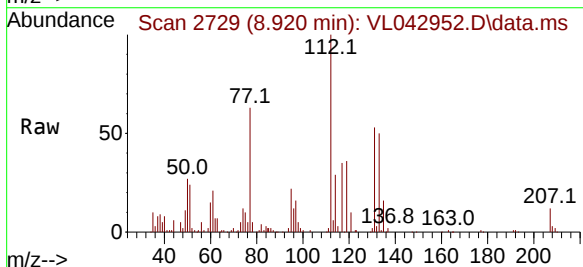
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

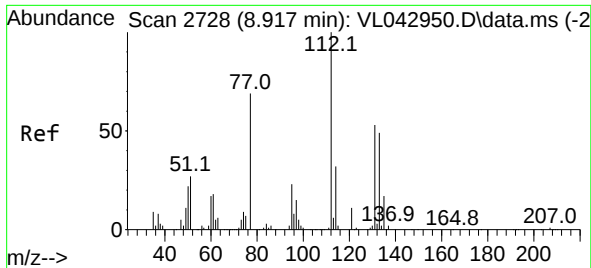
Tgt Ion:117 Resp: 469265
Ion Ratio Lower Upper
117 100
82 63.2 52.8 79.2
119 32.7 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 1.015 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:131 Resp: 22802
Ion Ratio Lower Upper
131 100
133 102.8 76.6 114.8
119 58.6 49.9 74.9

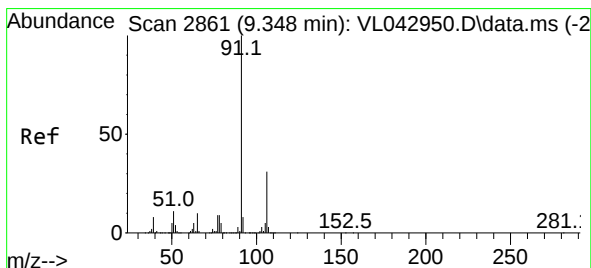
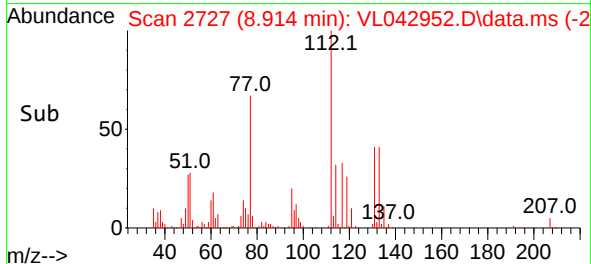
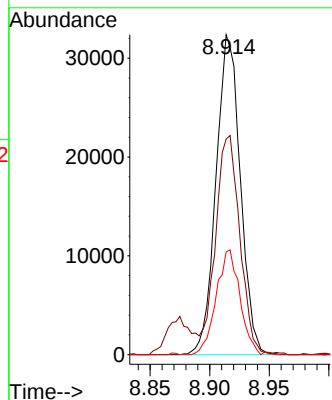
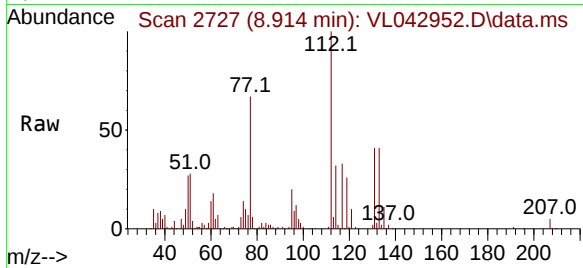




#57
Chlorobenzene
Concen: 1.071 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

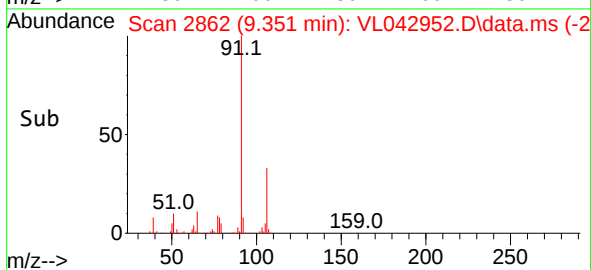
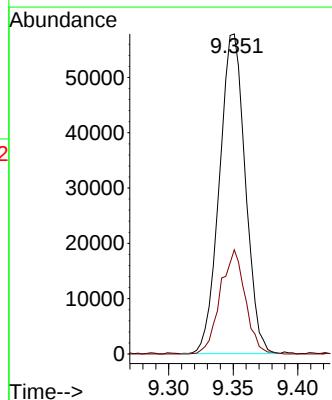
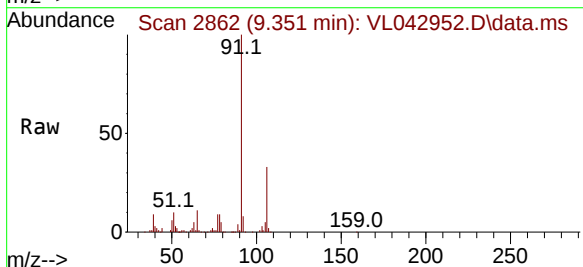
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

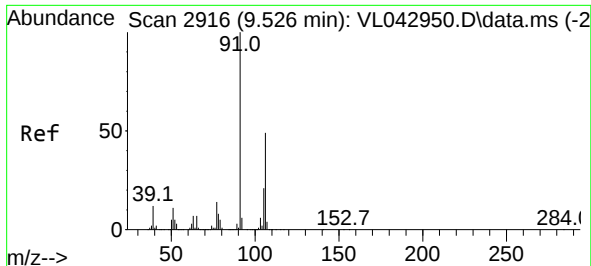
Tgt Ion:112 Resp: 45873
Ion Ratio Lower Upper
112 100
77 66.9 55.7 83.5
114 32.1 28.6 35.0



#58
Ethyl Benzene
Concen: 1.044 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 91 Resp: 80473
Ion Ratio Lower Upper
91 100
106 32.6 24.6 37.0

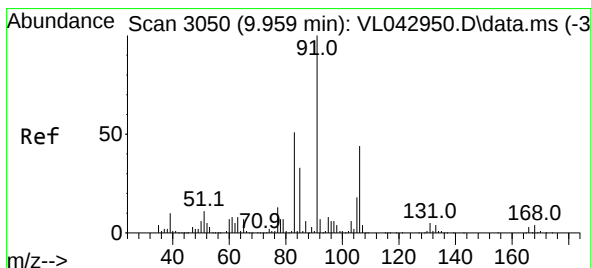
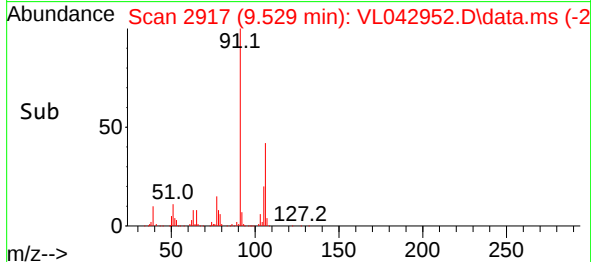
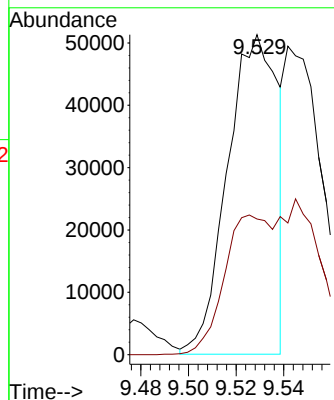
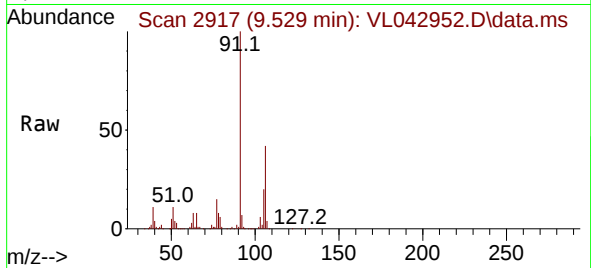




#59
m/p-Xylene
Concen: 1.231 ppbv
RT: 9.529 min Scan# 2916
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

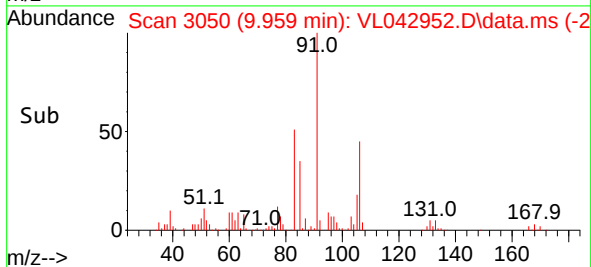
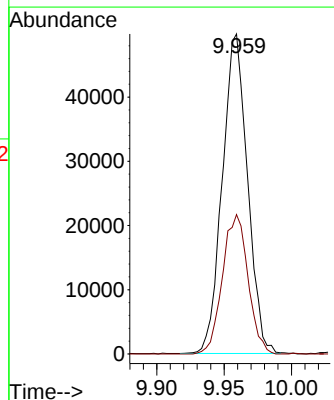
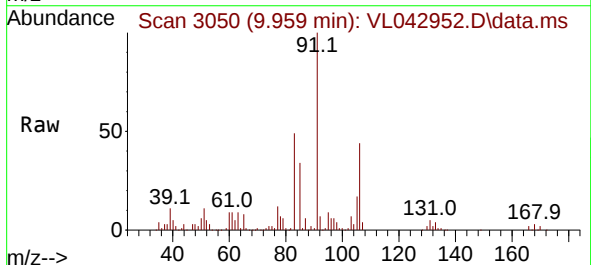
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

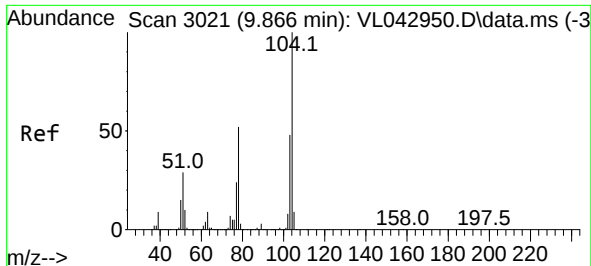
Tgt Ion: 91 Resp: 74868
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 1.066 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 91 Resp: 64703
Ion Ratio Lower Upper
91 100
106 44.2 22.4 67.0

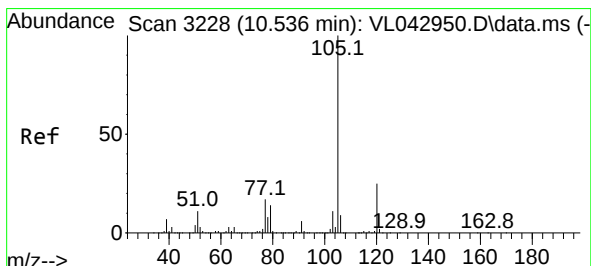
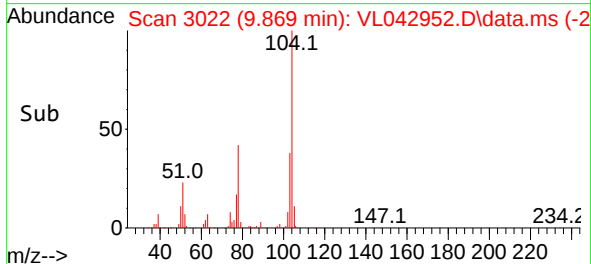
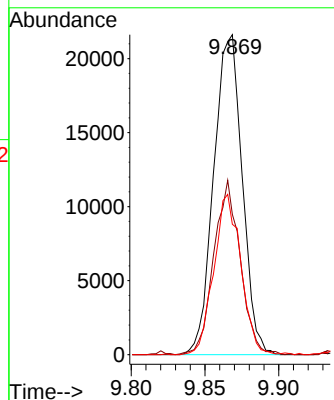
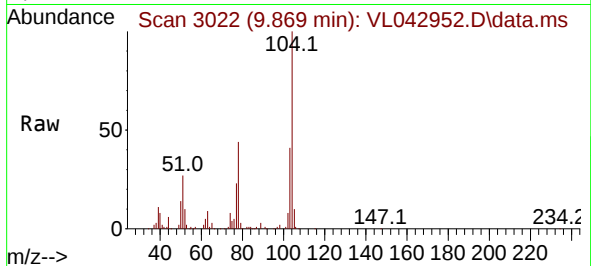




#61
Styrene
Concen: 1.012 ppbv
RT: 9.869 min Scan# 3021
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

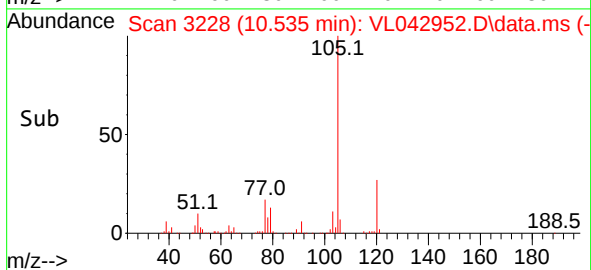
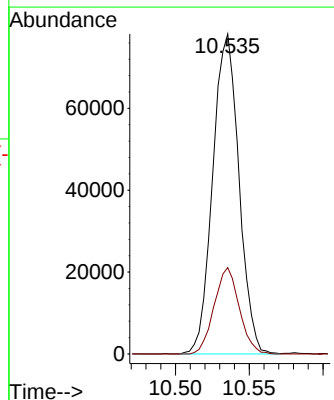
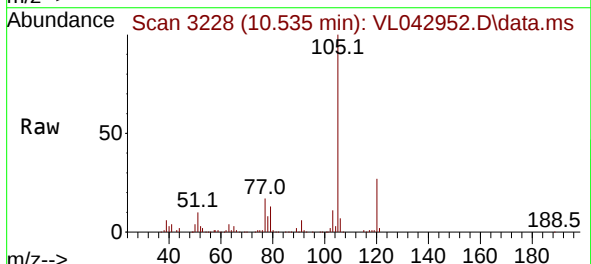
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

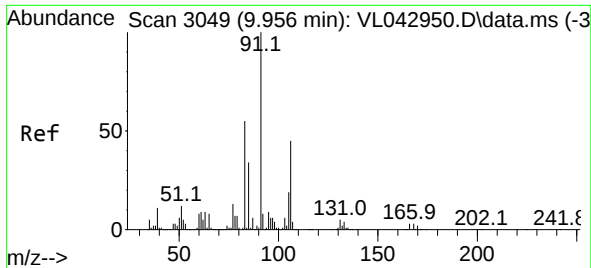
Tgt Ion:104 Resp: 29061
Ion Ratio Lower Upper
104 100
78 50.8 39.9 59.9
103 47.7 36.9 55.3



#62
Isopropylbenzene
Concen: 1.068 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:105 Resp: 96621
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.993 ppbv

RT: 9.959 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

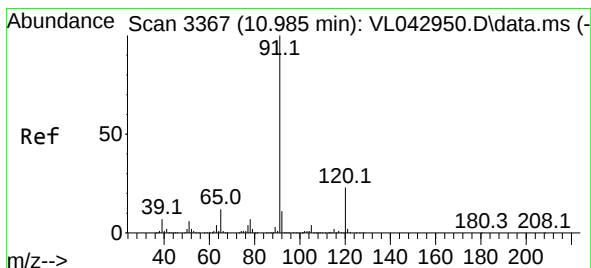
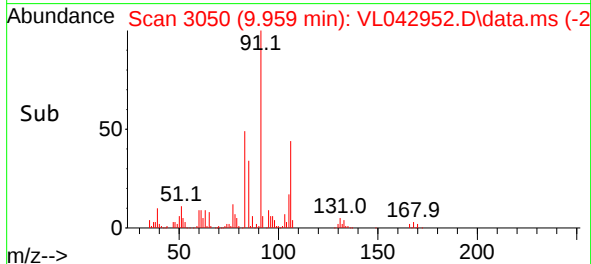
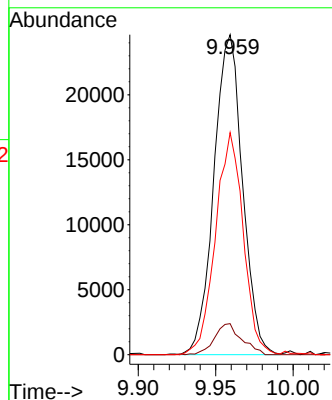
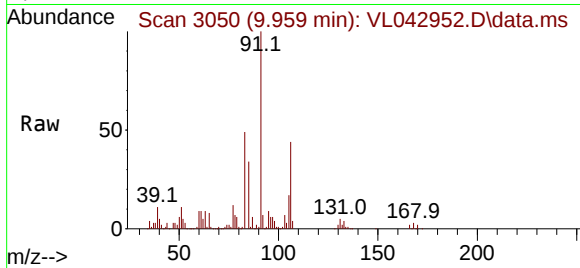
Tgt Ion: 83 Resp: 31695

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.4

85 67.4 32.2 96.6



#64

n-propylbenzene

Concen: 1.049 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.000 min

Lab File: VL042952.D

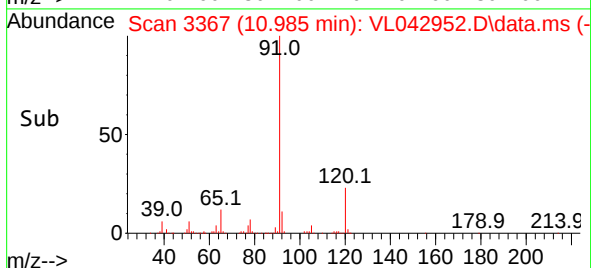
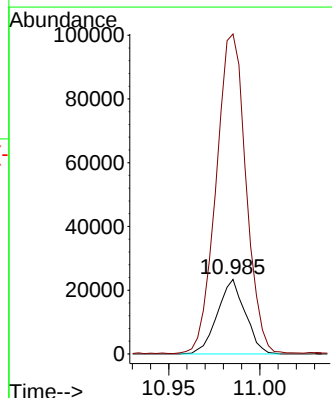
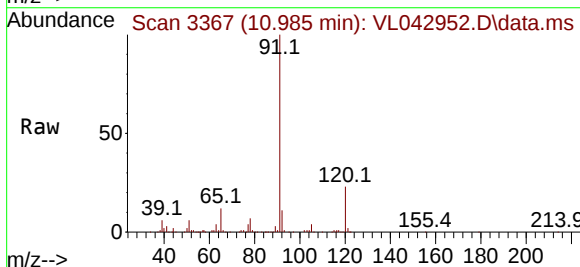
Acq: 22 Sep 2025 10:48

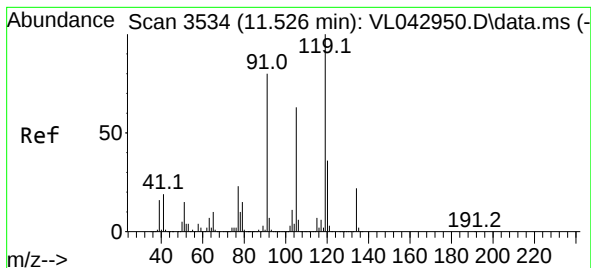
Tgt Ion: 120 Resp: 24820

Ion Ratio Lower Upper

120 100

91 461.0 364.9 547.3

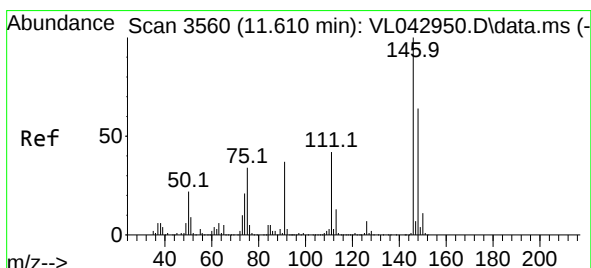
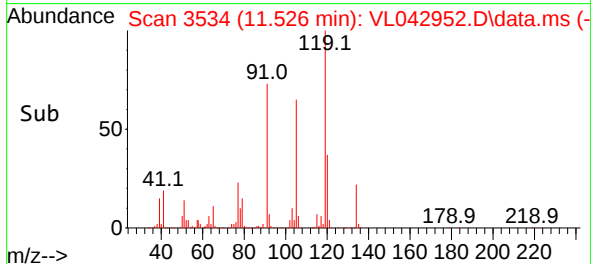
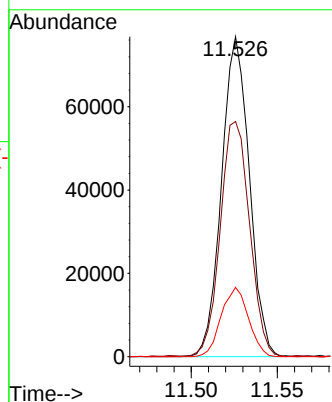
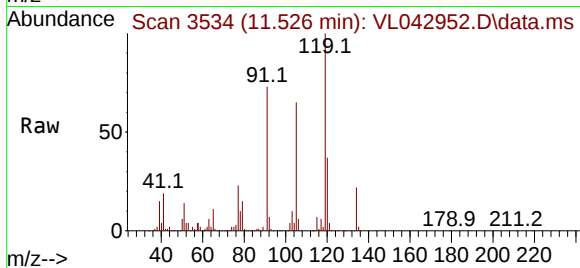




#65
tert-Butylbenzene
Concen: 1.072 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

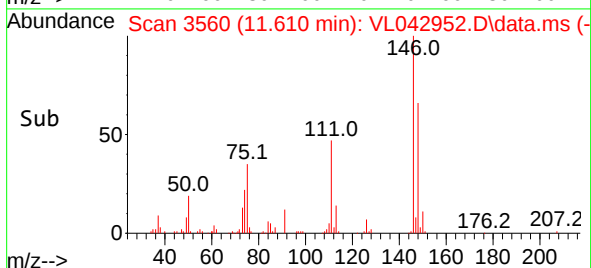
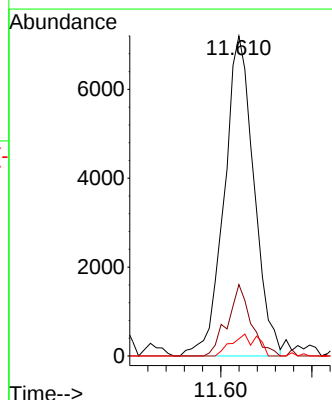
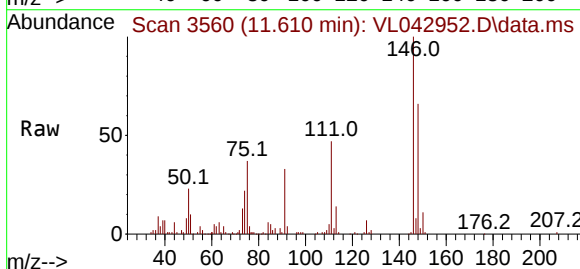
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

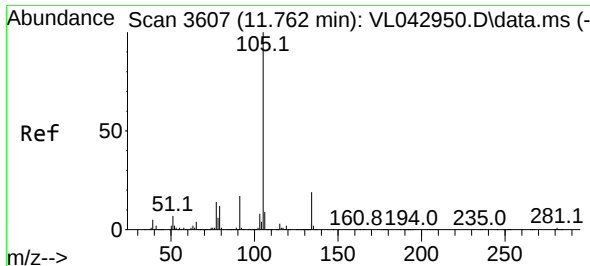
Tgt Ion:119 Resp: 86303
Ion Ratio Lower Upper
119 100
91 78.1 63.1 94.7
134 21.2 17.0 25.6



#66
Benzyl Chloride
Concen: 0.964 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 91 Resp: 8140
Ion Ratio Lower Upper
91 100
126 17.9 14.6 21.8
128 6.2 5.0 7.4

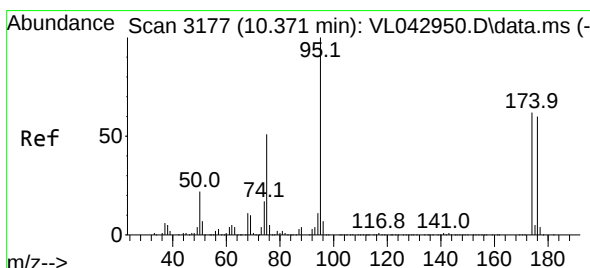
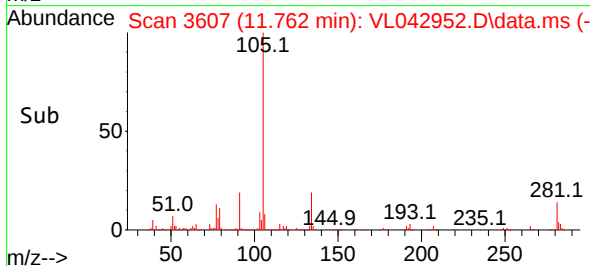
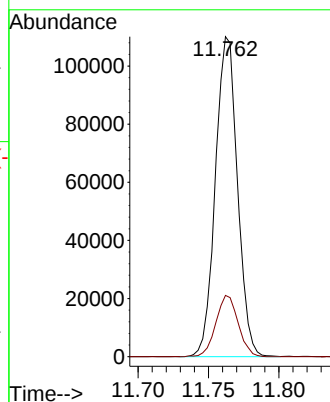
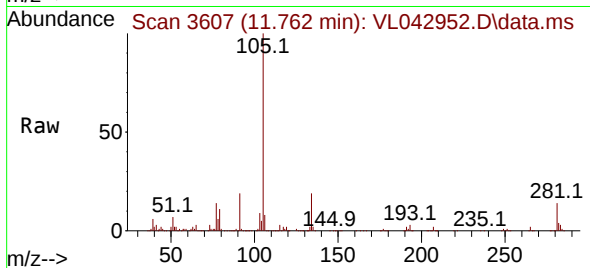




#67
 sec-Butylbenzene
 Concen: 1.070 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

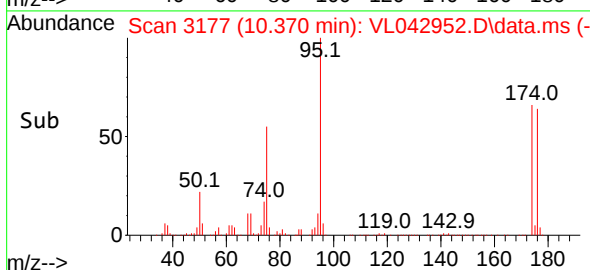
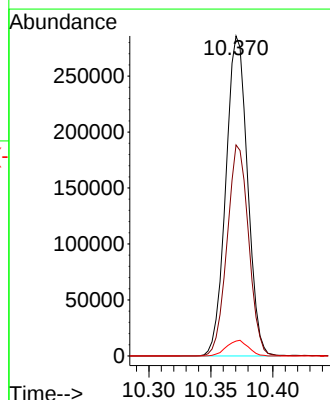
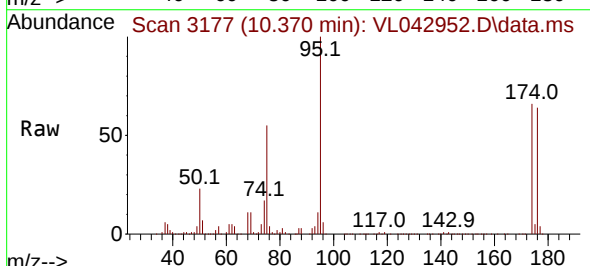
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

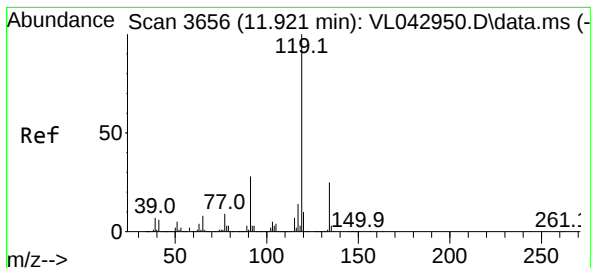
Tgt Ion:105 Resp: 120070
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.960 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion: 95 Resp: 348878
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.4 77.2
 175 4.9 4.0 6.0

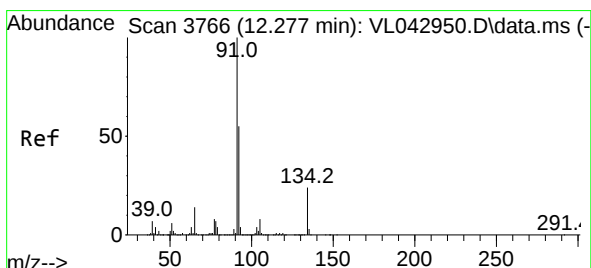
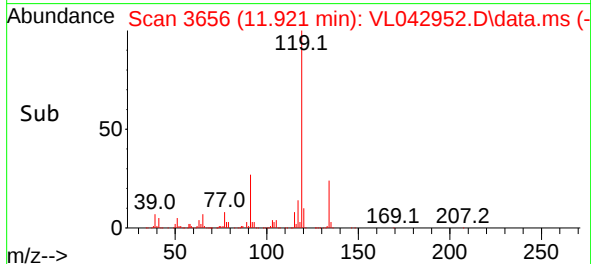
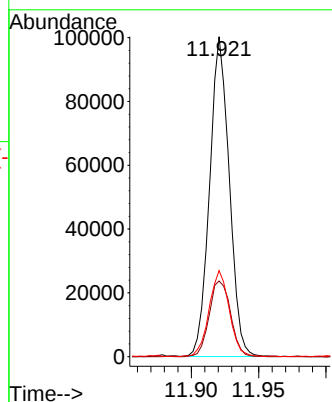
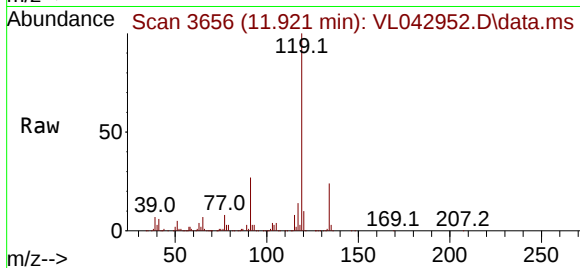




#69
p-Isopropyltoluene
Concen: 1.074 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

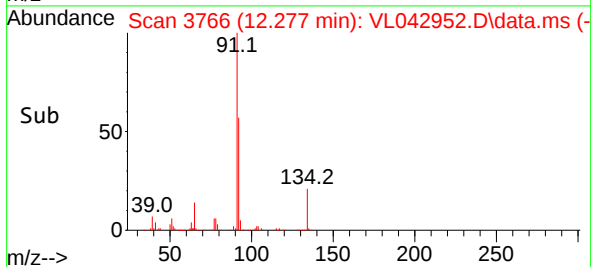
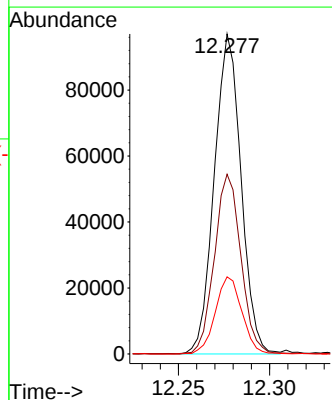
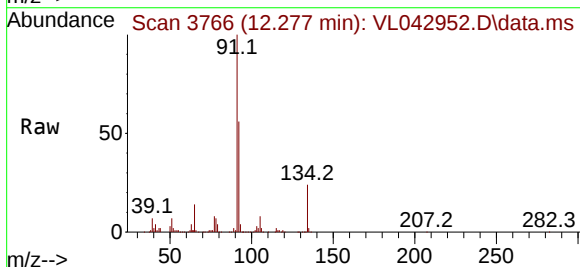
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

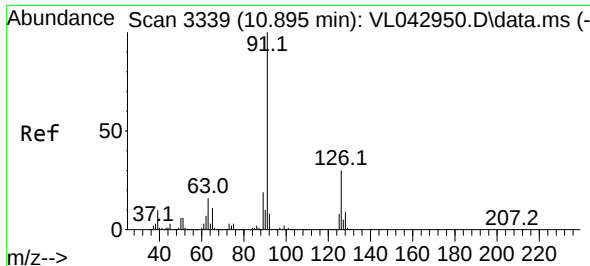
Tgt Ion:	119	Resp:	101749
Ion	Ratio	Lower	Upper
119	100		
134	25.8	21.0	31.4
91	28.3	22.3	33.5



#70
n-Butylbenzene
Concen: 1.069 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:	91	Resp:	98908
Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.0	66.0
134	24.0	19.4	29.2

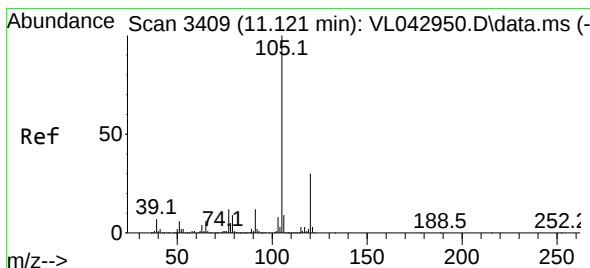
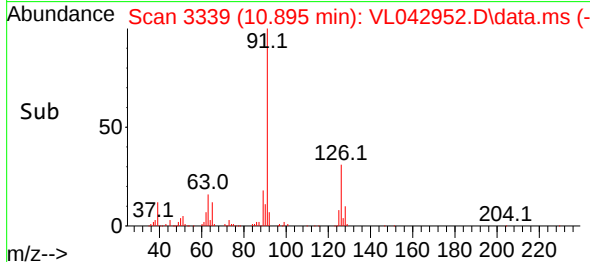
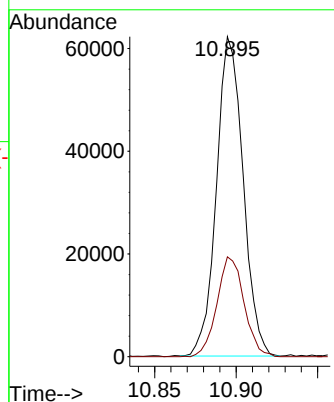
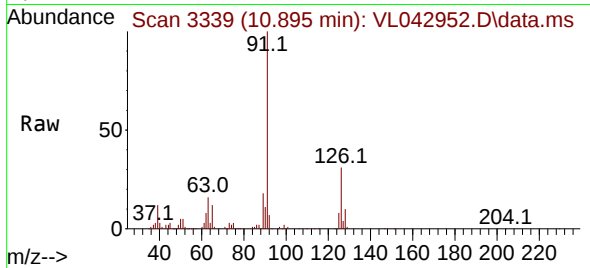




#71
2-Chlorotoluene
Concen: 1.033 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

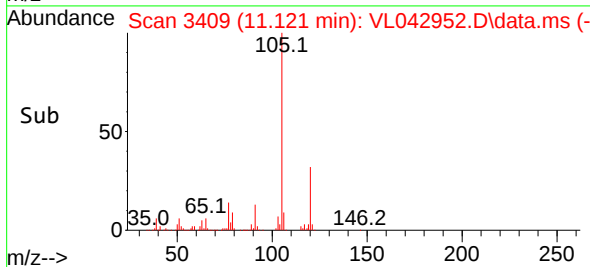
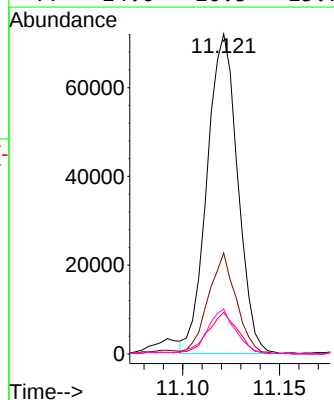
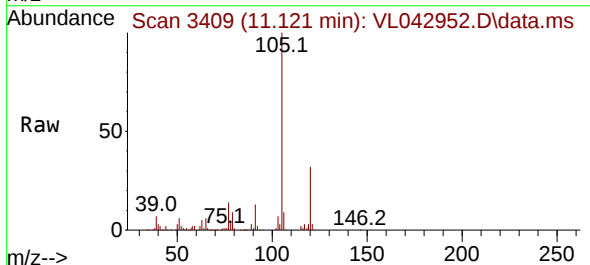
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

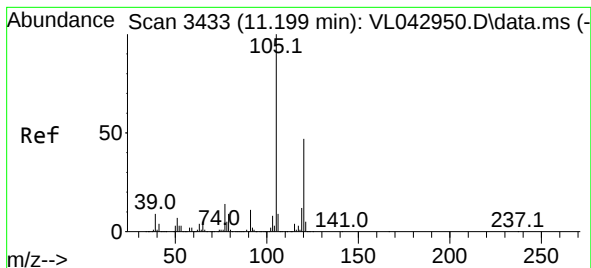
Tgt Ion: 91 Resp: 70577
Ion Ratio Lower Upper
91 100
126 31.8 12.3 49.3



#72
4-Ethyltoluene
Concen: 1.040 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 105 Resp: 79095
Ion Ratio Lower Upper
105 100
120 30.3 24.2 36.2
91 13.3 10.0 15.0
77 14.0 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 1.024 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

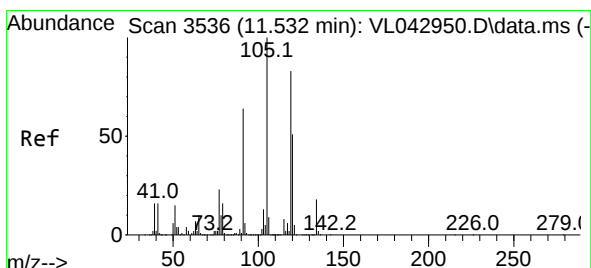
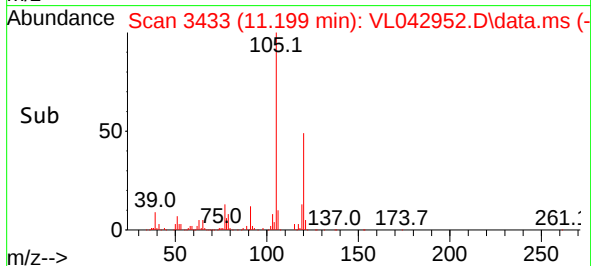
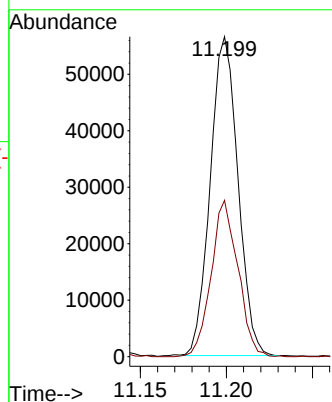
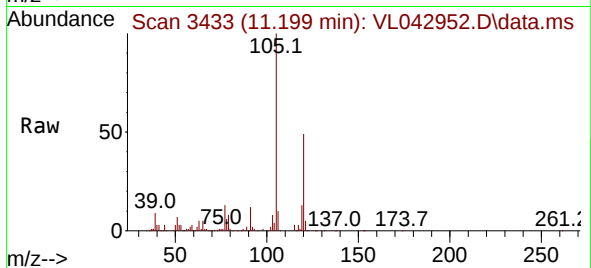
VSTDIC001

Tgt Ion:105 Resp: 63174

Ion Ratio Lower Upper

105 100

120 48.8 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 1.049 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Tgt Ion:105 Resp: 71411

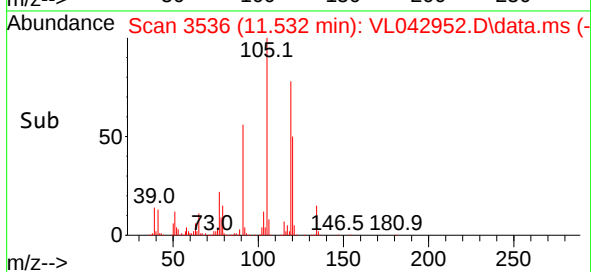
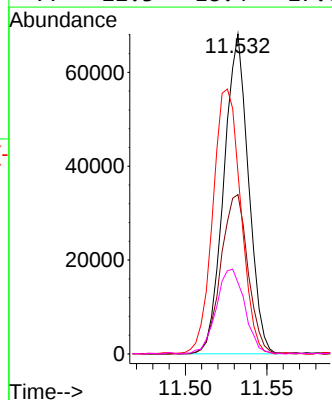
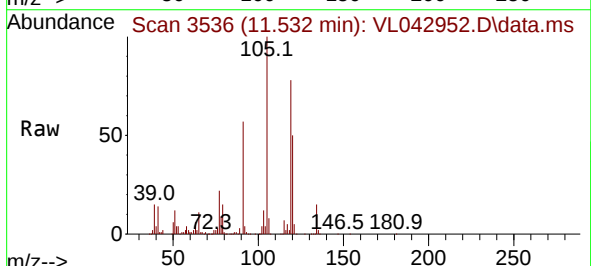
Ion Ratio Lower Upper

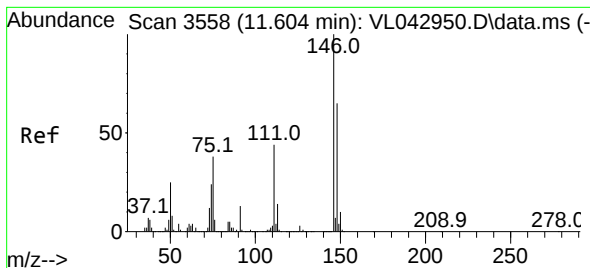
105 100

120 49.9 40.9 61.3

91 56.6 51.2 76.8

77 22.3 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 1.060 ppbv

RT: 11.603 min Scan# 3558

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

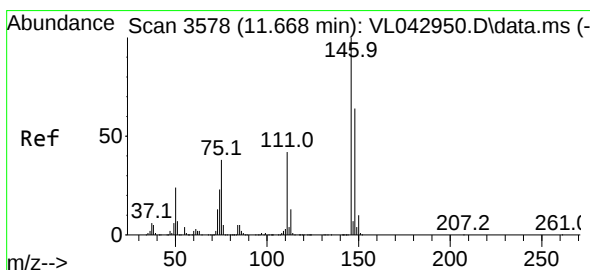
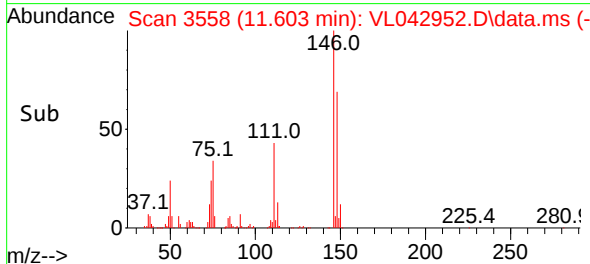
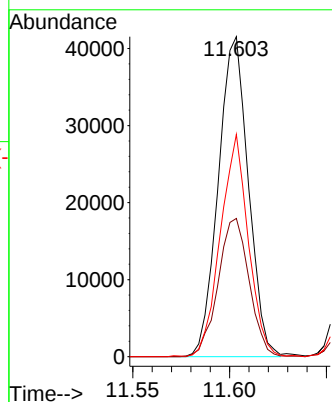
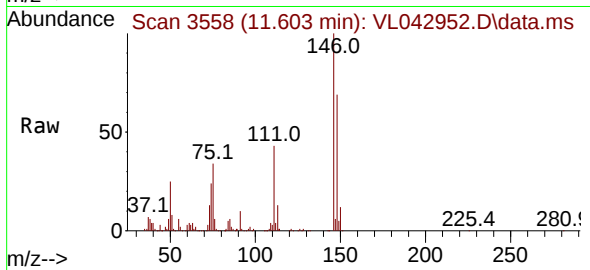
Tgt Ion:146 Resp: 44769

Ion Ratio Lower Upper

146 100

111 44.6 22.3 66.9

148 64.7 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 1.022 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

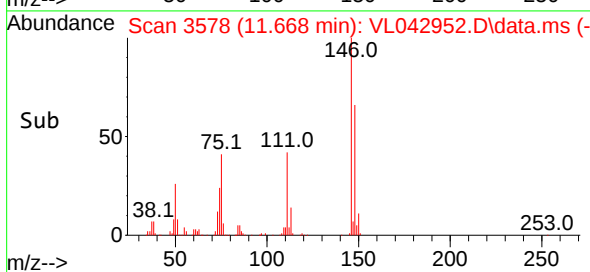
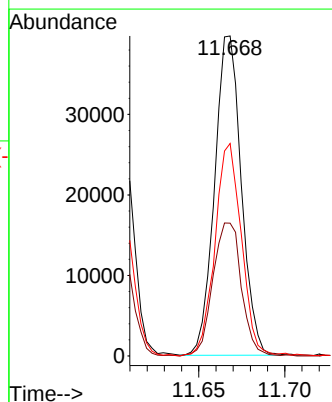
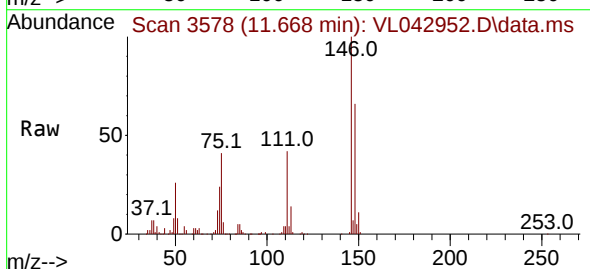
Tgt Ion:146 Resp: 42879

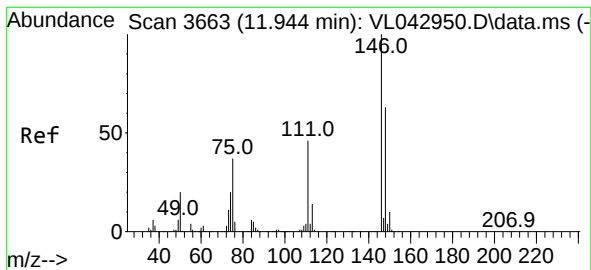
Ion Ratio Lower Upper

146 100

111 44.5 21.5 64.5

148 66.4 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 1.068 ppbv

RT: 11.940 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

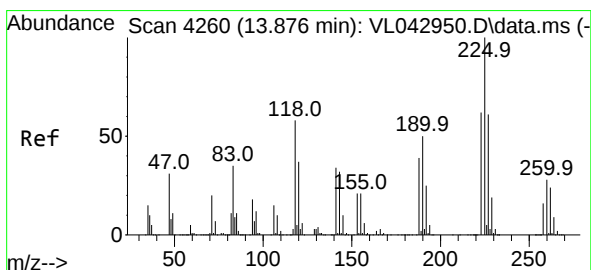
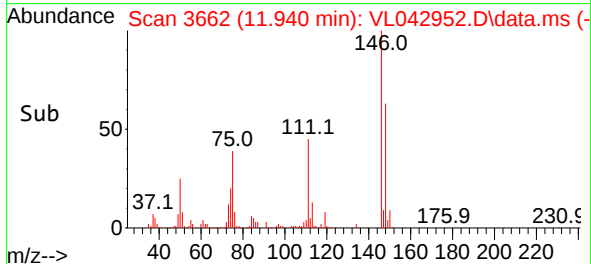
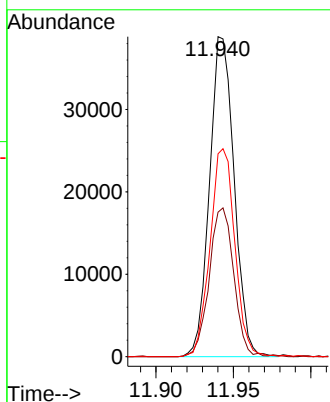
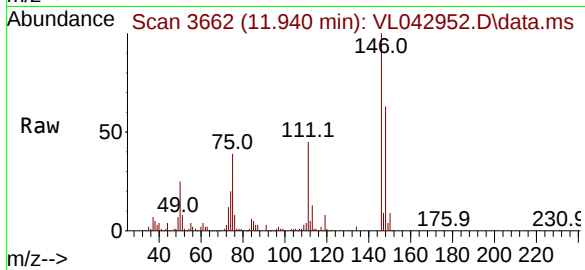
Tgt Ion:146 Resp: 42911

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.3

148 65.9 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 1.107 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

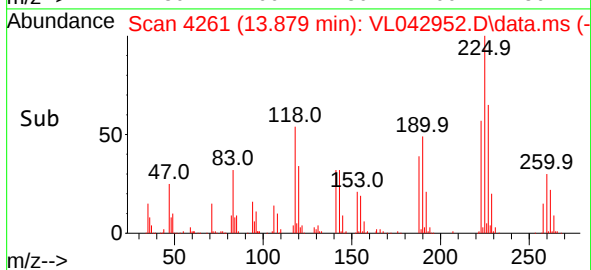
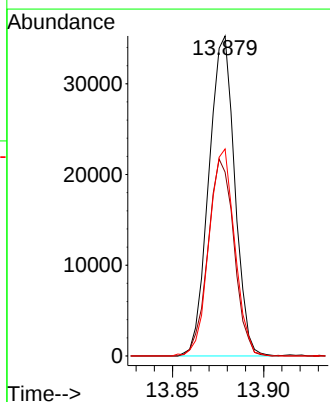
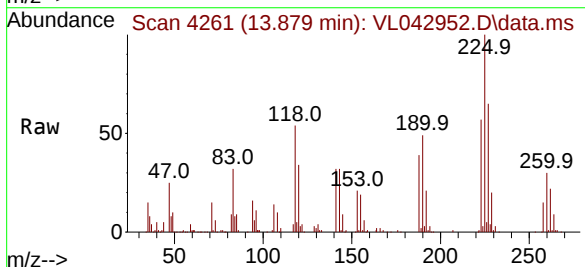
Tgt Ion:225 Resp: 34798

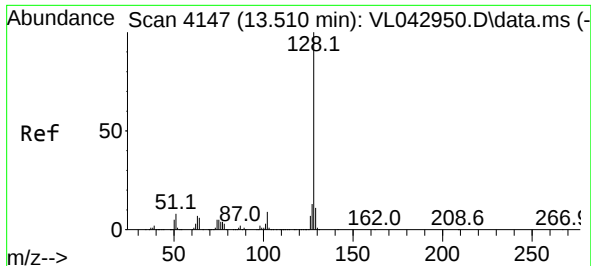
Ion Ratio Lower Upper

225 100

223 62.0 50.1 75.1

227 64.0 50.4 75.6

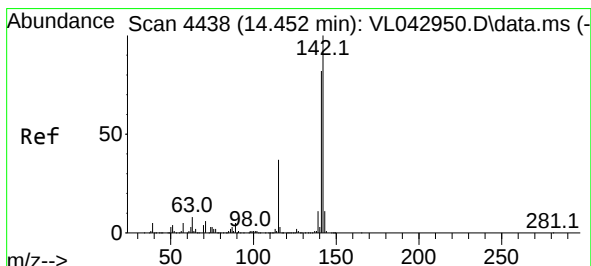
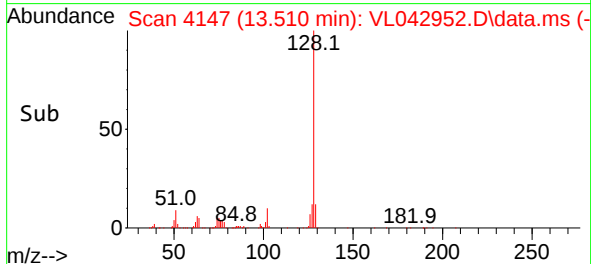
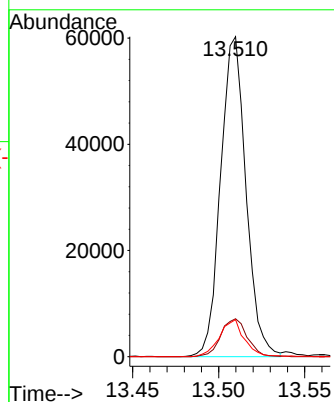
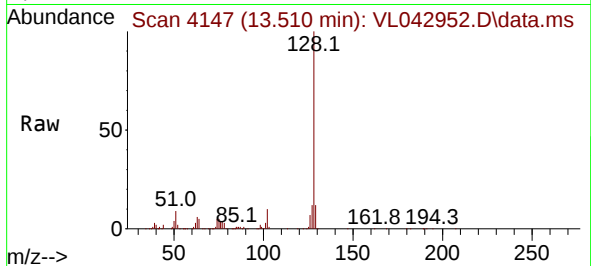




#79
Naphthalene
Concen: 1.028 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

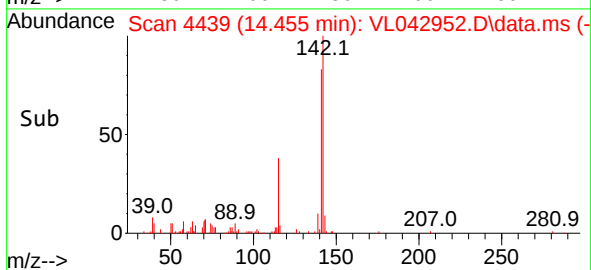
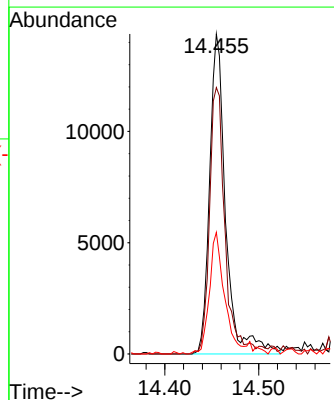
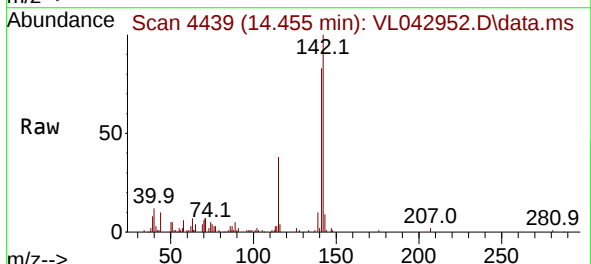
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

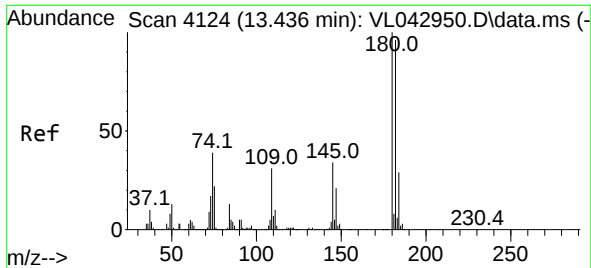
Tgt Ion:	128	Resp:	61925
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.6	15.8
129	11.6	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.920 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:	142	Resp:	17116
Ion Ratio	Lower	Upper	
142	100		
141	83.8	65.1	97.7
115	38.5	28.9	43.3





#81

1,2,4-Trichlorobenzene

Concen: 1.007 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042952.D

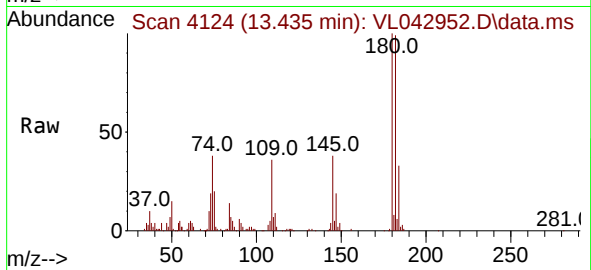
Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 32411

Ion Ratio Lower Upper

180 100

182 98.0 75.7 113.5

184 31.2 23.9 35.9

