

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042953.D
 Acq On : 22 Sep 2025 11:22
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Sep 23 02:11:22 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	2.787	49	165435	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	509306	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	464091	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	347374	10.027	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11508	0.517	ppbv	96
3) Chlorodifluoromethane	1.476	51	14744	0.532	ppbv #	90
4) Chloromethane	1.534	50	5729	0.569	ppbv	97
5) Vinyl Chloride	1.580	62	4373	0.480	ppbv	93
6) Bromomethane	1.667	94	1850	0.576	ppbv	100
7) Chloroethane	1.703	64	1936	0.548	ppbv #	87
8) Dichlorotetrafluoroethane	1.554	85	10149	0.534	ppbv	96
9) Propene	1.483	41	6482	0.537	ppbv	94
10) Heptane	4.978	43	12067	0.373	ppbv #	67
11) Trichlorofluoromethane	1.877	101	11200	0.522	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	9346	0.538	ppbv	100
13) Ethanol	1.887	45	7431	6.426	ppbv #	54
14) Bromoethene	1.784	108	3553	0.541	ppbv #	84
15) Acetone	1.835	43	12326	0.572	ppbv #	86
16) 1,3-Butadiene	1.609	39	6215	0.611	ppbv #	82
17) tert-Butyl alcohol	2.043	59	13128	0.555	ppbv #	77
18) 1,1-Dichloroethene	2.033	96	4543	0.565	ppbv	93
19) Isopropyl Alcohol	1.887	45	7431	0.574	ppbv #	46
20) Methylene Chloride	2.062	84	6881	0.430	ppbv	87
21) Allyl Chloride	2.098	41	7481	0.499	ppbv #	69
22) trans-1,2-Dichloroethene	2.719	96	7704	0.843	ppbv	89
23) Vinyl Acetate	2.460	43	18264	0.593	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	9484	0.529	ppbv #	98
25) Ethyl Acetate	2.836	43	28162	0.517	ppbv #	95
26) Hexane	2.823	57	13406	0.540	ppbv	98
27) Carbon Disulfide	2.149	76	11535	0.518	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	7886	0.611	ppbv #	65
29) Chloroform	2.845	83	17188	0.530	ppbv	100
30) Cyclohexane	3.855	84	10856	0.523	ppbv	93
31) cis-1,2-Dichloroethene	2.719	61	11939	0.513	ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	16684	0.474	ppbv	96
34) 2-Butanone	2.557	43	18948	0.531	ppbv	96
35) Carbon Tetrachloride	3.761	117	16799	0.513	ppbv	94
36) Benzene	3.654	78	24807	0.519	ppbv #	95
37) 1,2-Dichloroethane	3.217	62	12788	0.508	ppbv	100
38) Trichloroethene	4.544	130	12243	0.515	ppbv #	88
39) 1,2-Dichloropropane	4.315	63	8772	0.502	ppbv #	86
40) 1,4-Dioxane	4.593	88	1641	0.202	ppbv #	1
41) Tetrahydrofuran	3.059	42	10871	0.530	ppbv	95
42) Bromodichloromethane	4.486	83	17552	0.501	ppbv	96
43) Methyl Methacrylate	4.881	69	7252	0.374	ppbv #	56
44) 2,2,4-Trimethylpentane	4.642	57	17345	0.210	ppbv #	10
45) t-1,3-Dichloropropene	6.409	75	5766	0.276	ppbv	97

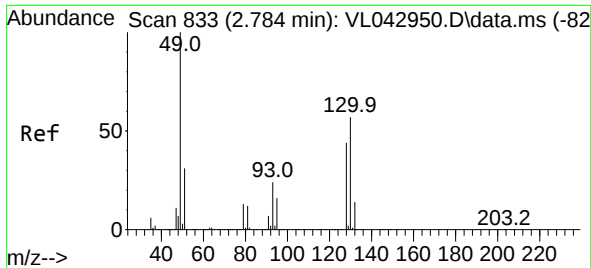
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042953.D
 Acq On : 22 Sep 2025 11:22
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Sep 23 02:11:22 2025
 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	5.593	75	10078	0.379	ppbv	98
47) 1,1,2-Trichloroethane	6.580	97	5868	0.318	ppbv #	91
48) Dibromochloromethane	7.383	129	14563	0.493	ppbv	99
49) Bromoform	9.480	173	12136	0.473	ppbv	97
50) 4-Methyl-2-Pentanone	5.761	43	23639	0.493	ppbv	95
51) 2-Hexanone	7.441	43	18322	0.480	ppbv #	97
52) Tetrachloroethene	8.228	164	4214	0.228	ppbv	94
53) Toluene	6.927	91	29404	0.519	ppbv	99
54) 1,2-Dibromoethane	7.648	107	13233	0.510	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.924	131	11535	0.519	ppbv #	1
57) Chlorobenzene	8.920	112	22463	0.530	ppbv	91
58) Ethyl Benzene	9.351	91	38459	0.505	ppbv	96
59) m/p-Xylene	9.526	91	18667	0.310	ppbv #	100
60) o-Xylene	9.959	91	30976	0.516	ppbv	98
61) Styrene	9.865	104	14048	0.495	ppbv	98
62) Isopropylbenzene	10.535	105	46640	0.521	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	15974	0.506	ppbv	97
64) n-propylbenzene	10.985	120	12333	0.527	ppbv	100
65) tert-Butylbenzene	11.529	119	42595	0.535	ppbv	99
66) Benzyl Chloride	11.613	91	3022	0.362	ppbv #	96
67) sec-Butylbenzene	11.765	105	58190	0.525	ppbv	99
69) p-Isopropyltoluene	11.924	119	48855	0.521	ppbv	100
70) n-Butylbenzene	12.280	91	44764	0.489	ppbv	100
71) 2-Chlorotoluene	10.898	91	35797	0.530	ppbv	96
72) 4-Ethyltoluene	11.125	105	39803	0.529	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	30932	0.507	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	35601	0.529	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	21307	0.510	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	21404	0.516	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	20279	0.510	ppbv	95
78) Hexachloro-1,3-Butadiene	13.879	225	17515	0.563	ppbv	98
79) Naphthalene	13.510	128	25577	0.429	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	8906	0.484	ppbv	92
81) 1,2,4-Trichlorobenzene	13.439	180	12920	0.406	ppbv	98

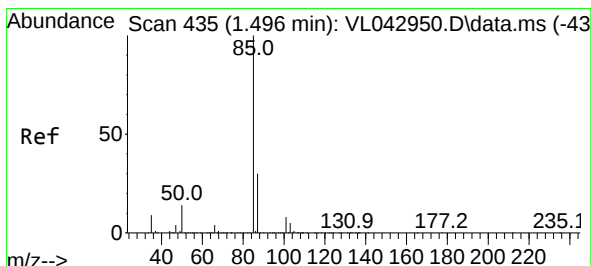
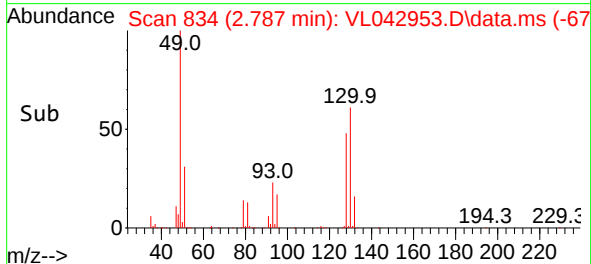
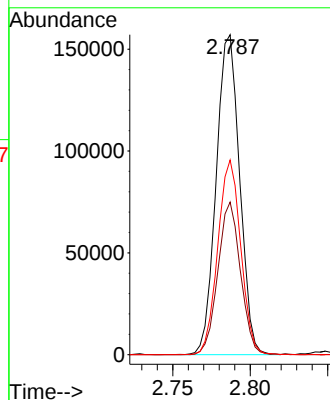
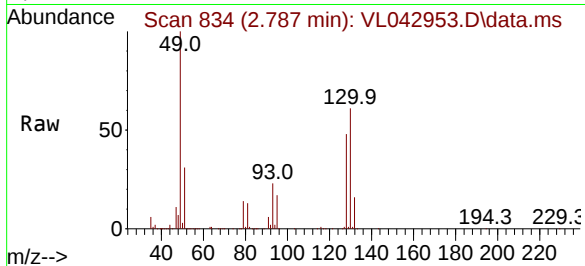
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

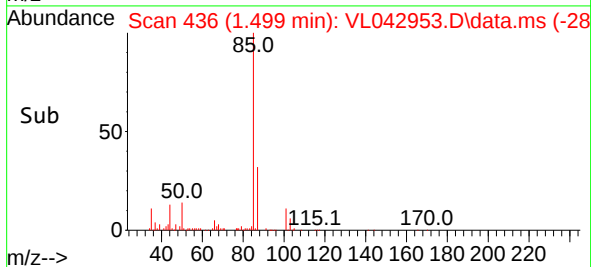
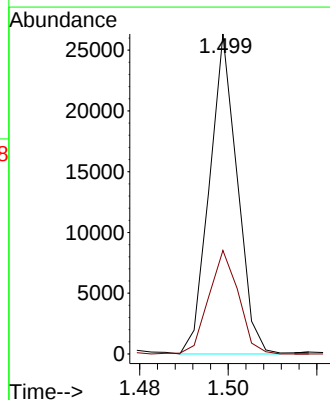
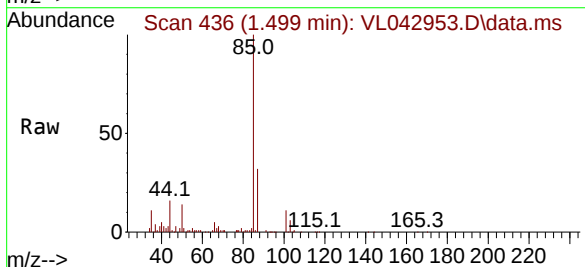
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

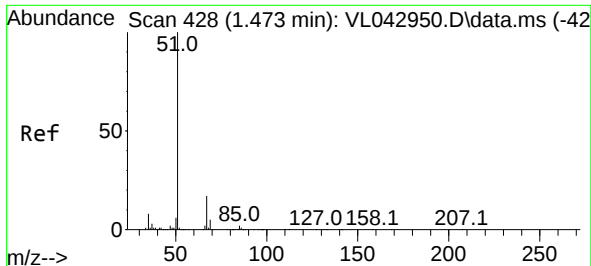
Tgt Ion: 49 Resp: 165435
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.8
130 59.5 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.517 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 85 Resp: 11508
Ion Ratio Lower Upper
85 100
87 32.4 24.3 36.5

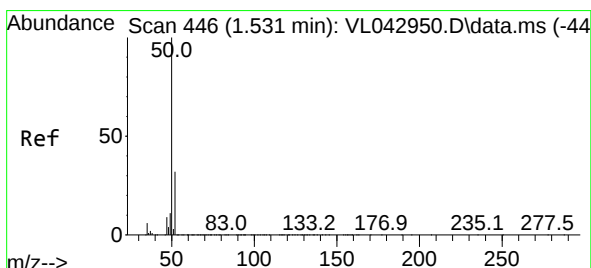
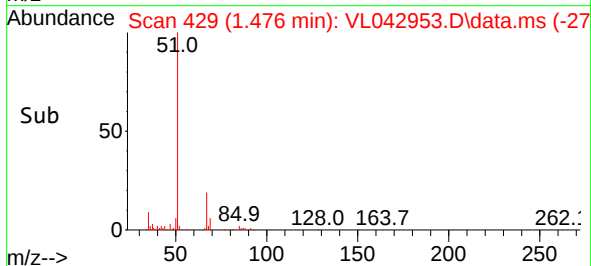
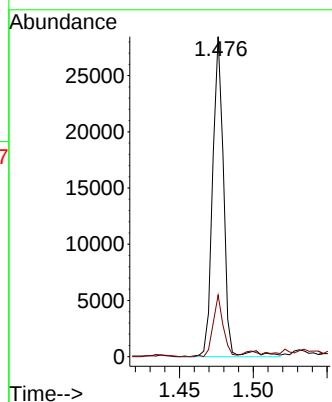
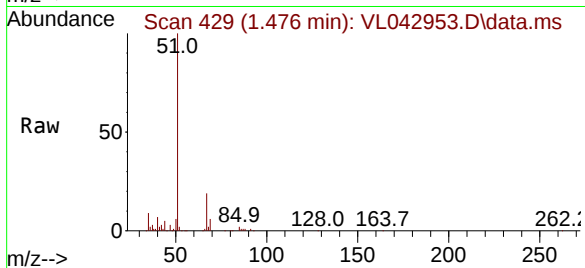




#3
Chlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

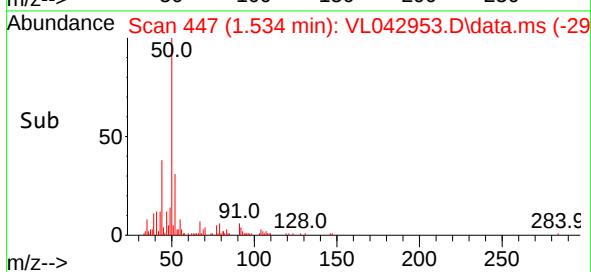
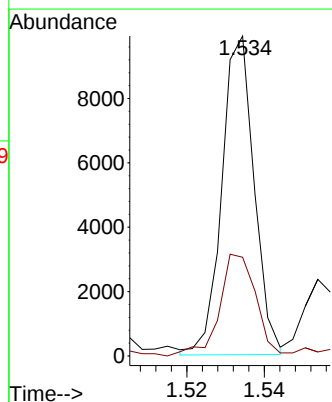
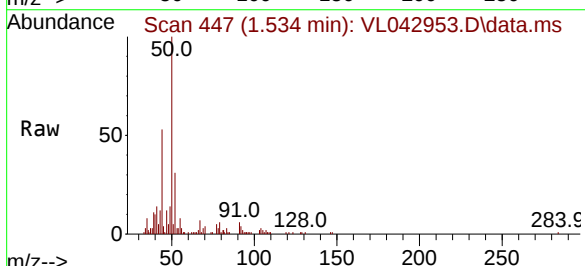
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ClientSampleId :
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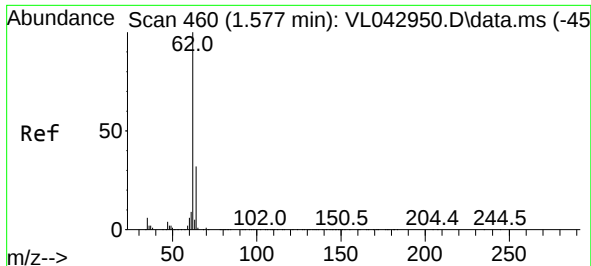
Tgt Ion: 51 Resp: 14744
Ion Ratio Lower Upper
51 100
67 21.7 13.8 20.8#



#4
Chloromethane
Concen: 0.569 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 50 Resp: 5729
Ion Ratio Lower Upper
50 100
52 30.5 25.9 38.9

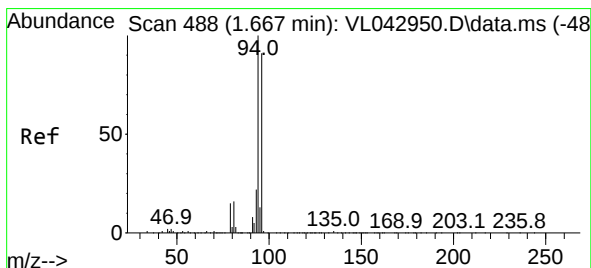
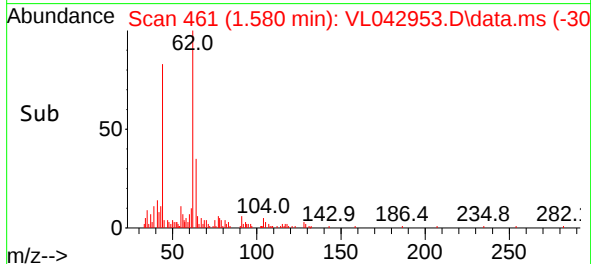
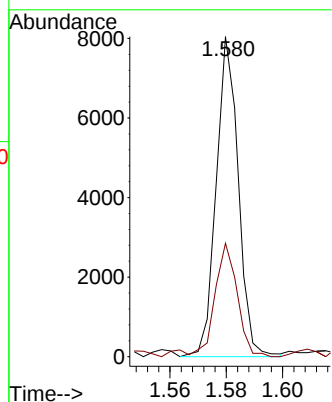
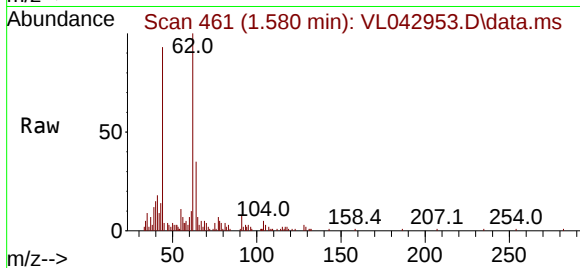




#5
 Vinyl Chloride
 Concen: 0.480 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

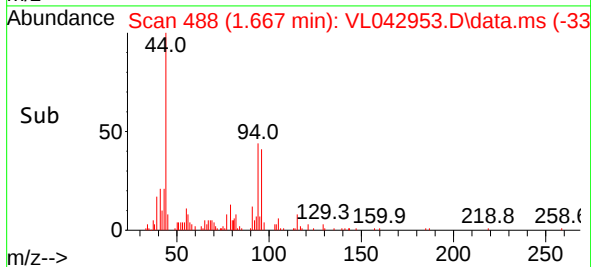
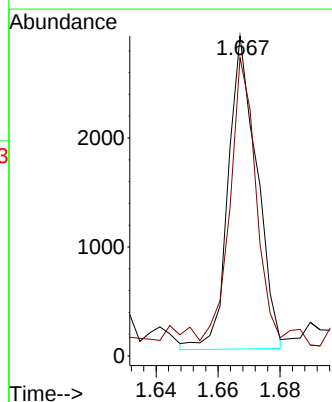
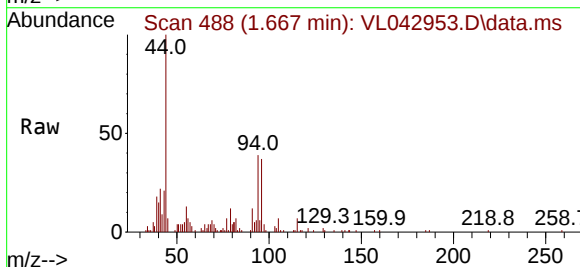
Instrument :
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 ClientSampleId :
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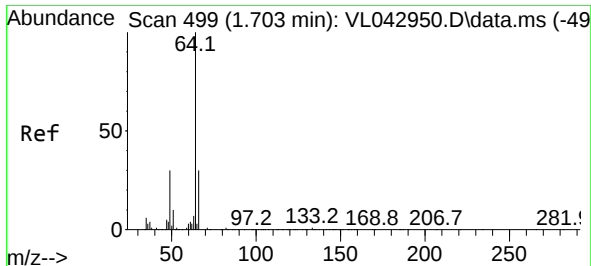
Tgt Ion: 62 Resp: 4373
 Ion Ratio Lower Upper
 62 100
 64 35.5 25.4 38.2



#6
 Bromomethane
 Concen: 0.576 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 94 Resp: 1850
 Ion Ratio Lower Upper
 94 100
 96 90.9 72.6 108.8

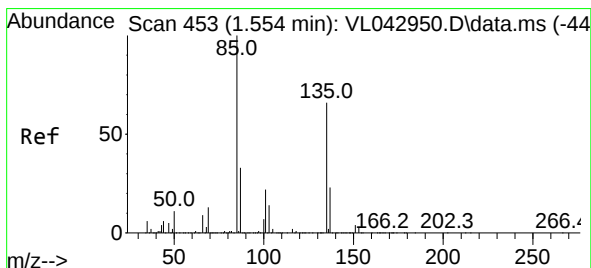
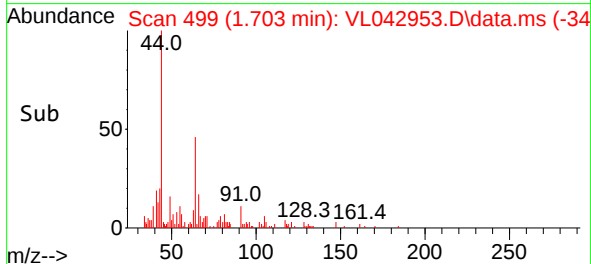
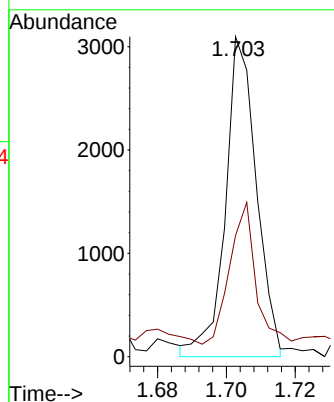
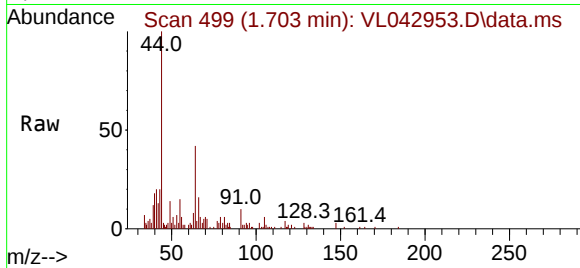




#7
Chloroethane
Concen: 0.548 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

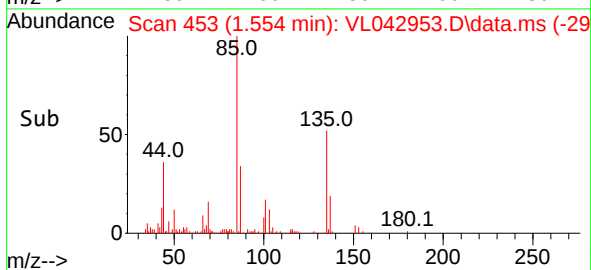
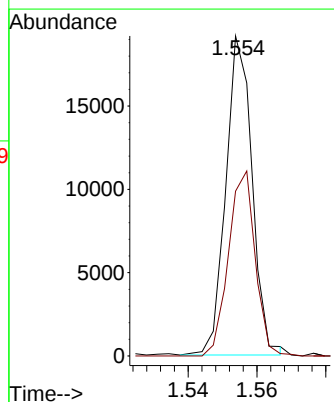
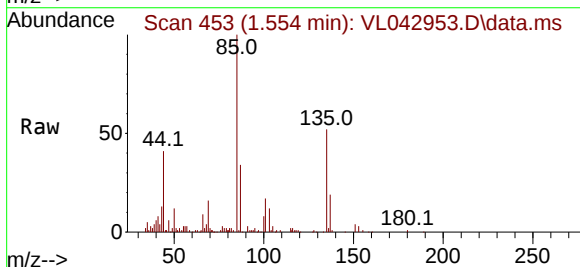
Instrument :
MSVOA_1
ClientSampleId :
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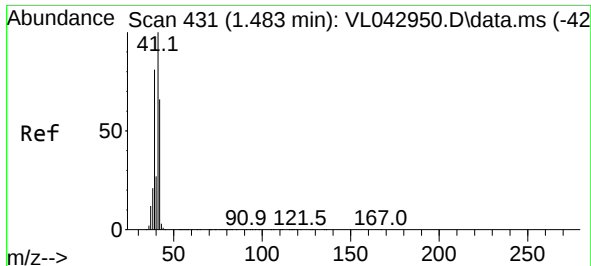
Tgt Ion: 64 Resp: 1936
Ion Ratio Lower Upper
64 100
66 37.9 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.534 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 85 Resp: 10149
Ion Ratio Lower Upper
85 100
135 59.1 49.7 74.5

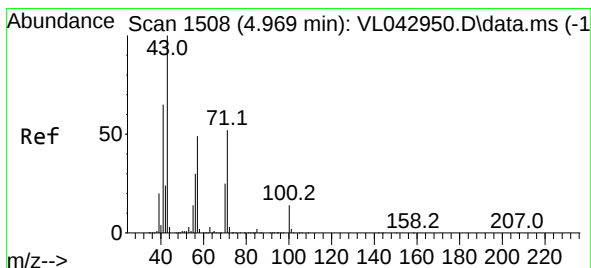
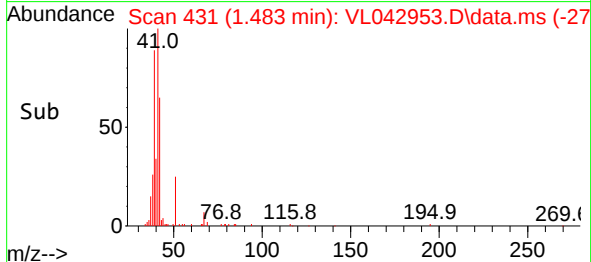
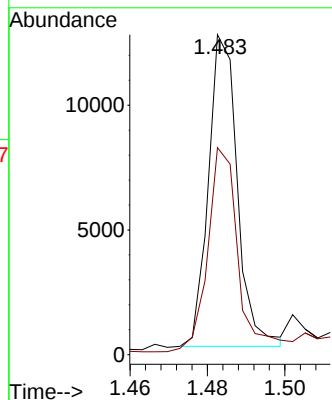
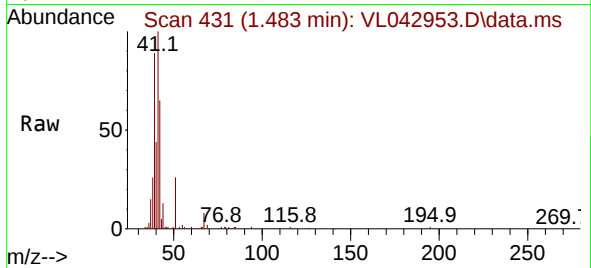




#9
 Propene
 Concen: 0.537 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

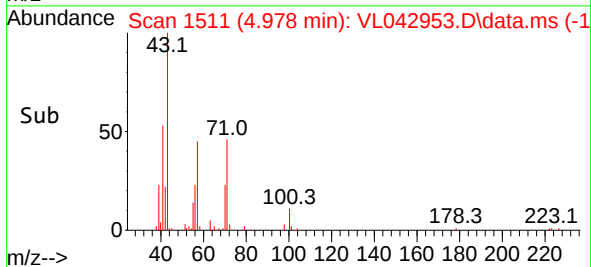
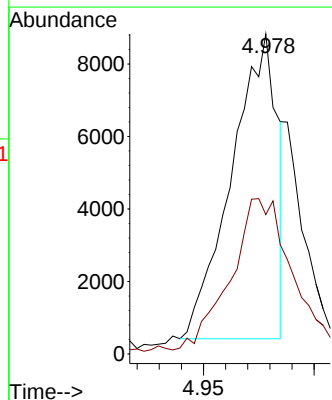
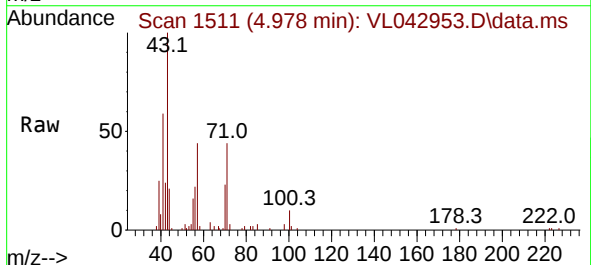
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

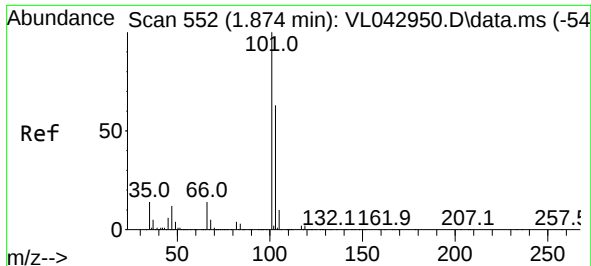
Tgt Ion: 41 Resp: 6482
 Ion Ratio Lower Upper
 41 100
 42 77.1 57.4 86.2



#10
 Heptane
 Concen: 0.373 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.010 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 43 Resp: 12067
 Ion Ratio Lower Upper
 43 100
 57 70.6 38.6 57.8#

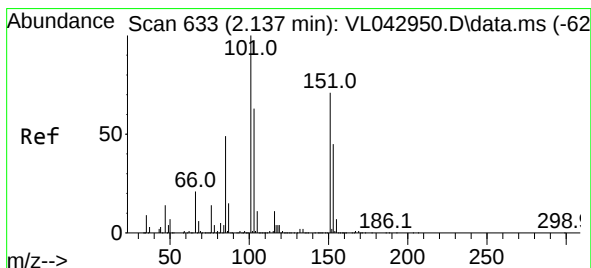
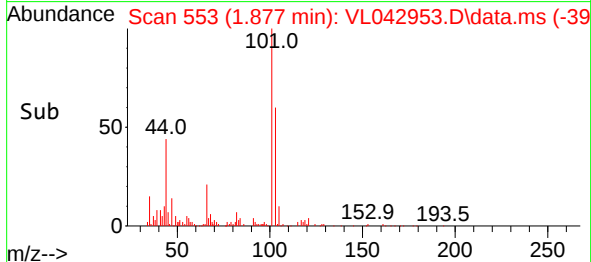
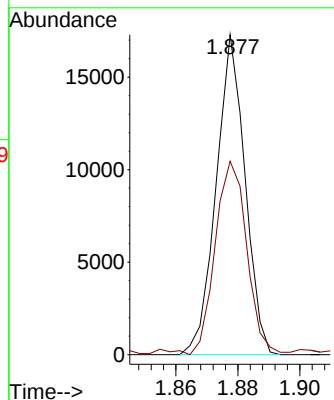
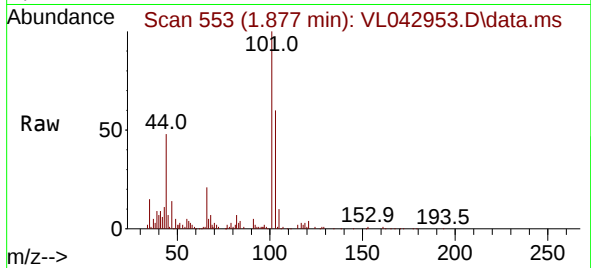




#11
 Trichlorofluoromethane
 Concen: 0.522 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

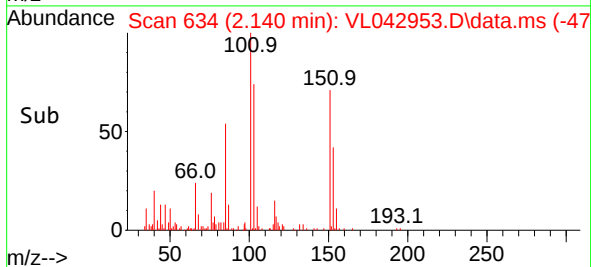
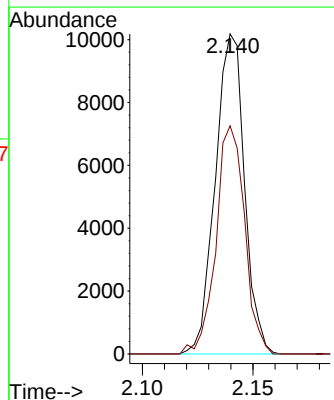
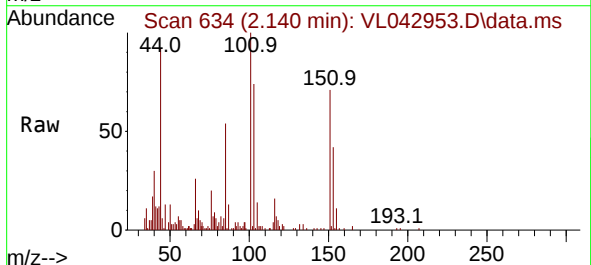
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

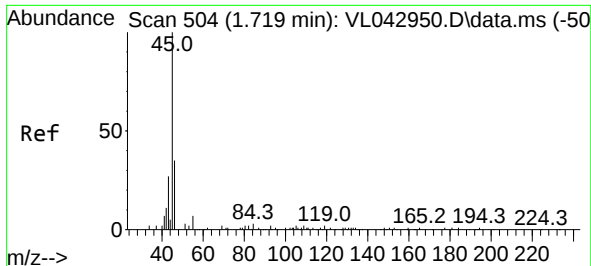
Tgt Ion:101 Resp: 11200
 Ion Ratio Lower Upper
 101 100
 103 59.7 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.538 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion:101 Resp: 9346
 Ion Ratio Lower Upper
 101 100
 151 69.7 55.7 83.5





#13

Ethanol

Concen: 6.426 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.168 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

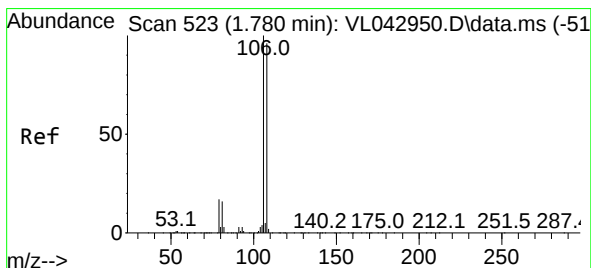
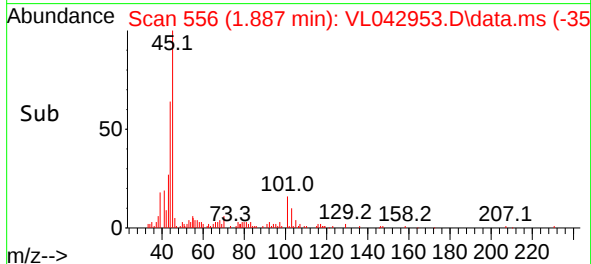
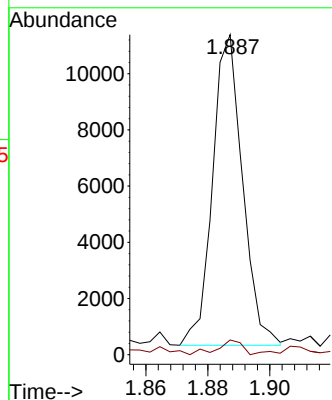
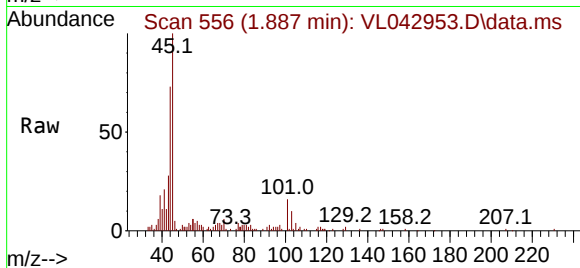
VSTDICC0.5

Tgt Ion: 45 Resp: 7431

Ion Ratio Lower Upper

45 100

46 11.9 16.2 64.6#



#14

Bromoethene

Concen: 0.541 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

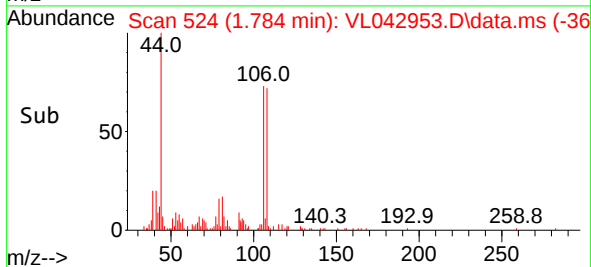
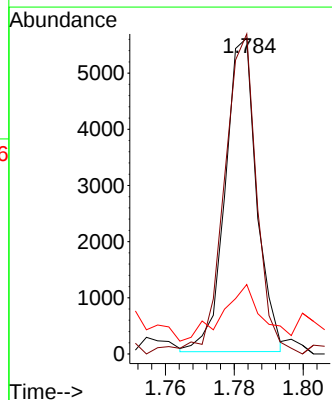
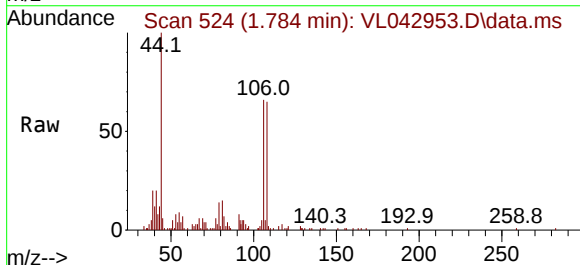
Tgt Ion: 108 Resp: 3553

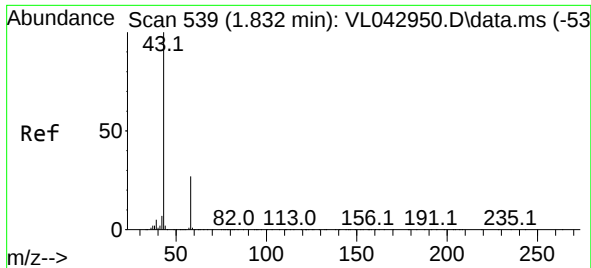
Ion Ratio Lower Upper

108 100

106 115.9 86.0 129.0

79 46.0 14.2 21.2#

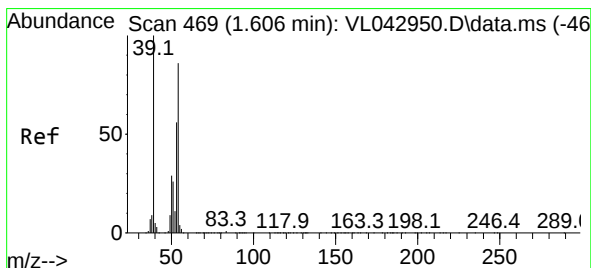
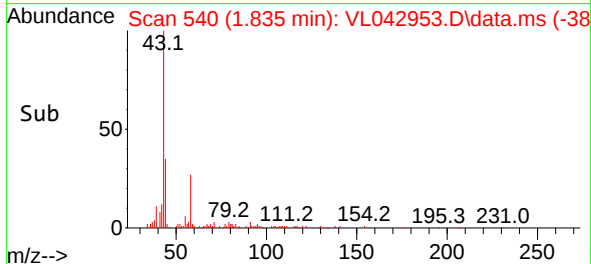
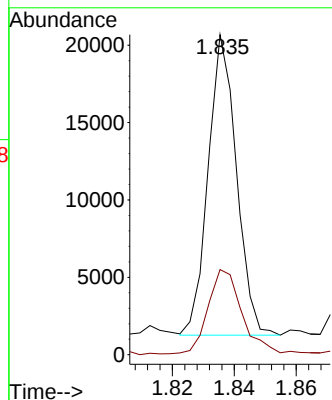
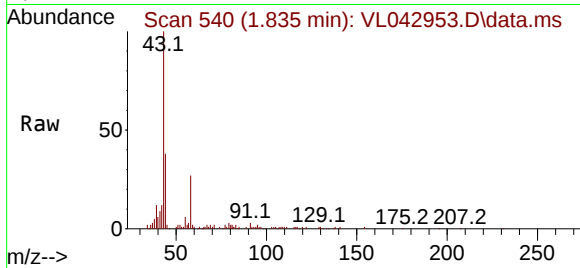




#15
Acetone
Concen: 0.572 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

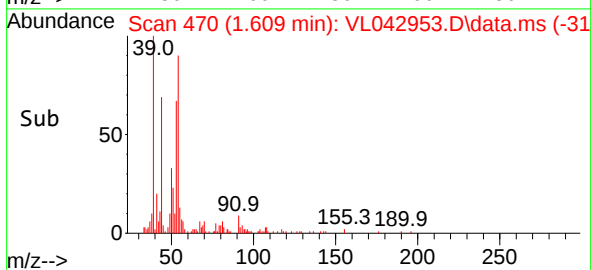
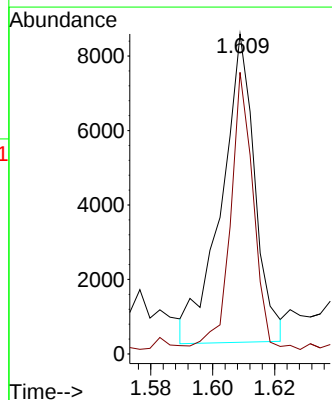
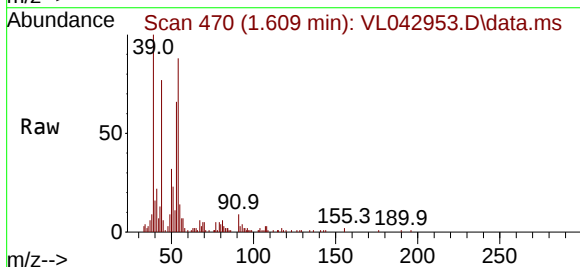
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

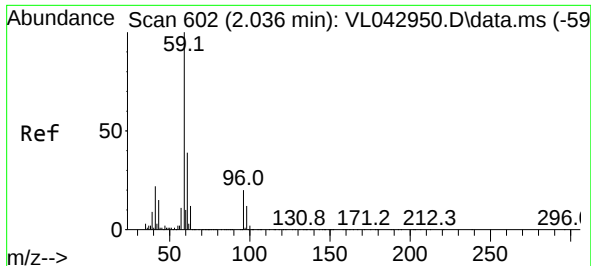
Tgt Ion: 43 Resp: 12326
Ion Ratio Lower Upper
43 100
58 35.4 22.3 33.5#



#16
1,3-Butadiene
Concen: 0.611 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 39 Resp: 6215
Ion Ratio Lower Upper
39 100
54 60.7 60.8 91.2#





#17

tert-Butyl alcohol

Concen: 0.555 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

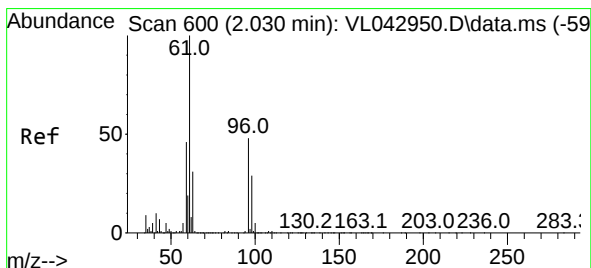
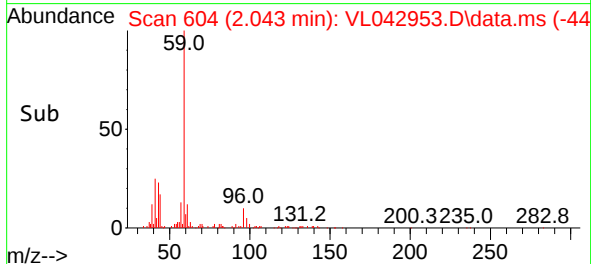
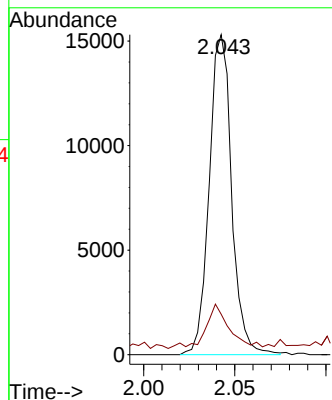
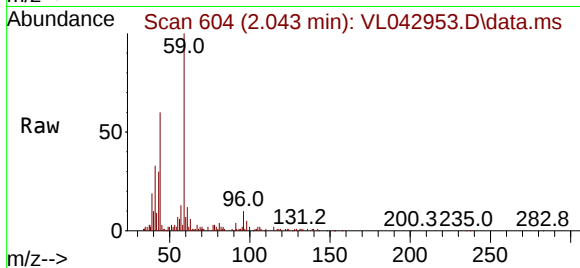
VSTDIC0.5

Tgt Ion: 59 Resp: 13128

Ion Ratio Lower Upper

59 100

57 19.4 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.565 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

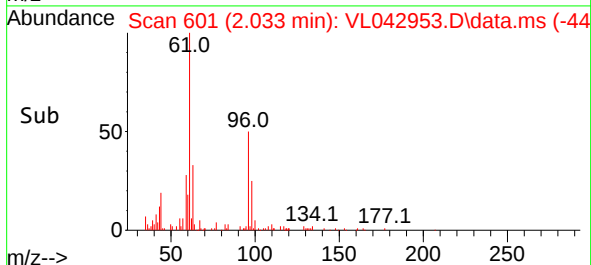
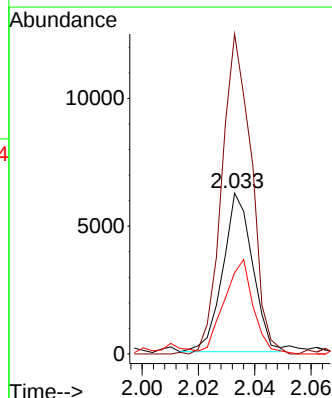
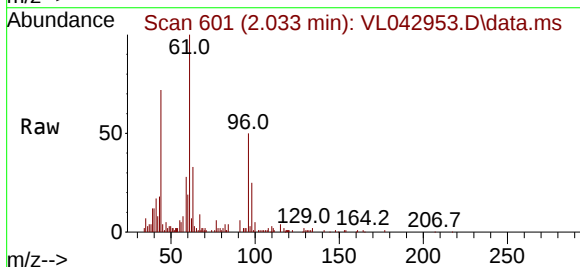
Tgt Ion: 96 Resp: 4543

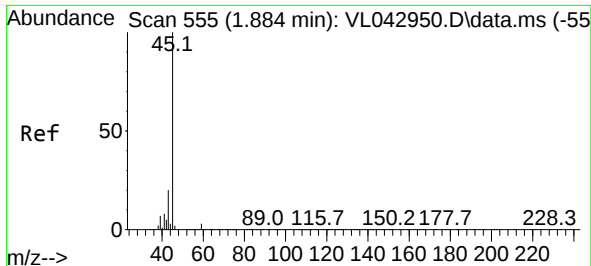
Ion Ratio Lower Upper

96 100

61 201.0 166.2 249.4

98 49.4 48.6 73.0

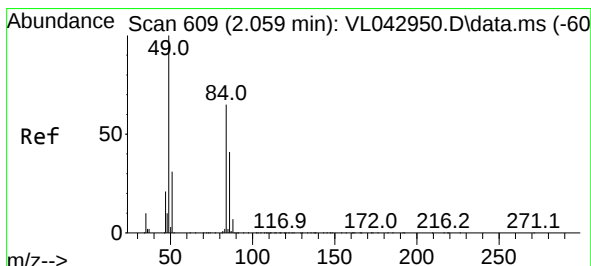
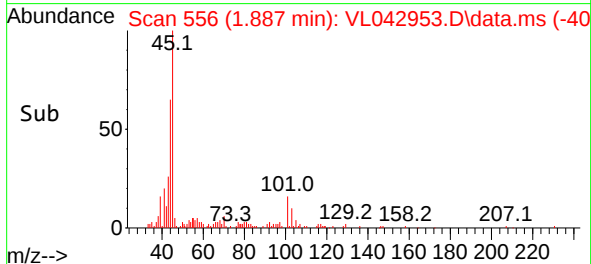
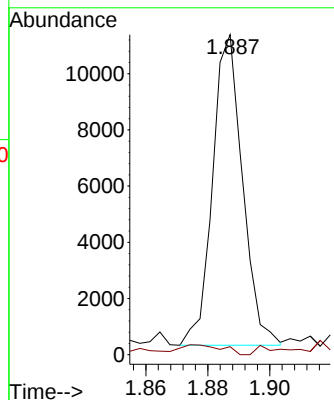
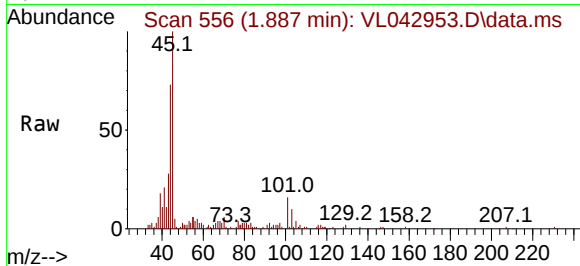




#19
Isopropyl Alcohol
Concen: 0.574 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

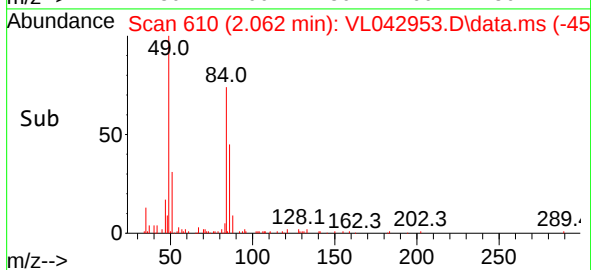
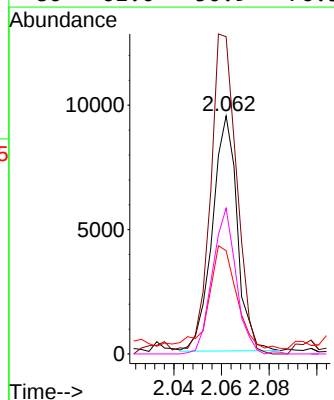
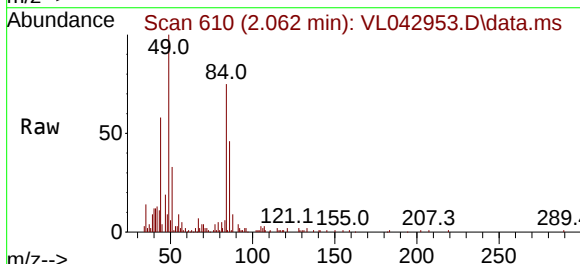
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

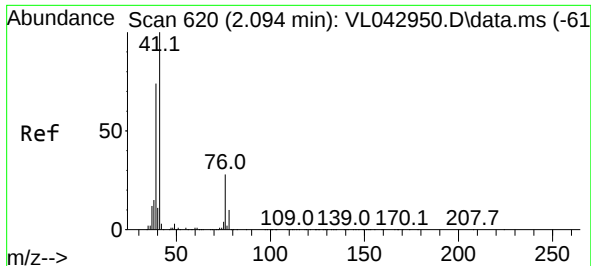
Tgt Ion: 45 Resp: 7431
Ion Ratio Lower Upper
45 100
58 6.1 31.0 46.6#



#20
Methylene Chloride
Concen: 0.430 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 84 Resp: 6881
Ion Ratio Lower Upper
84 100
49 132.8 124.1 186.1
51 40.9 39.8 59.8
86 61.0 50.9 76.3

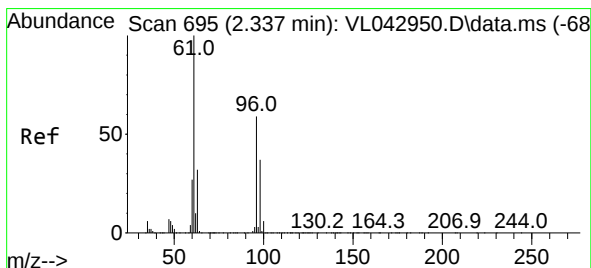
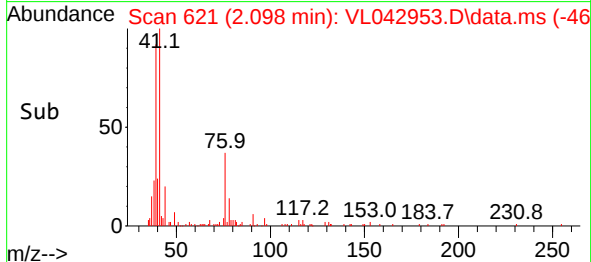
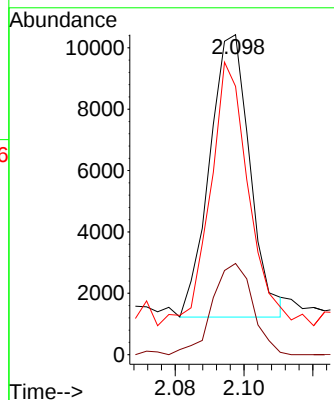
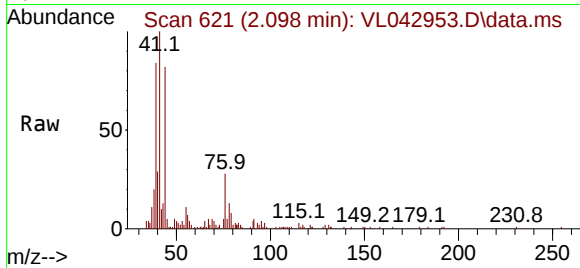




#21
 Allyl Chloride
 Concen: 0.499 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

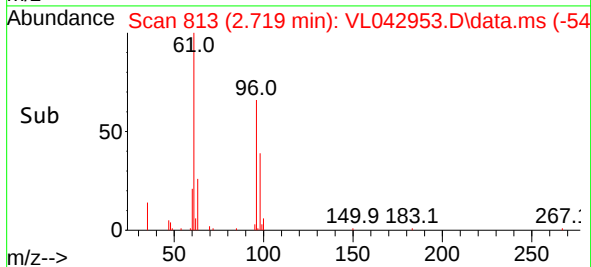
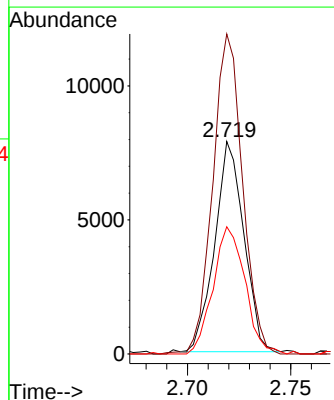
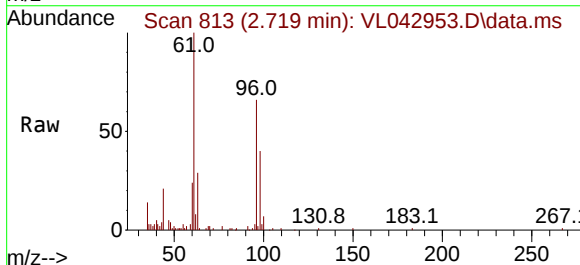
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

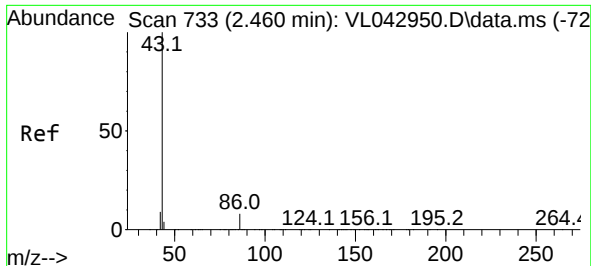
Tgt Ion: 41 Resp: 7481
 Ion Ratio Lower Upper
 41 100
 76 33.1 22.3 33.5
 39 110.1 61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.843 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.382 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 96 Resp: 7704
 Ion Ratio Lower Upper
 96 100
 61 152.2 136.5 204.7
 98 60.5 50.6 76.0

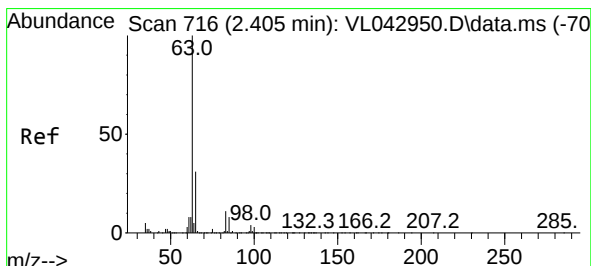
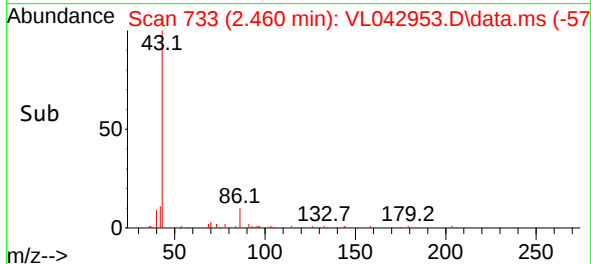
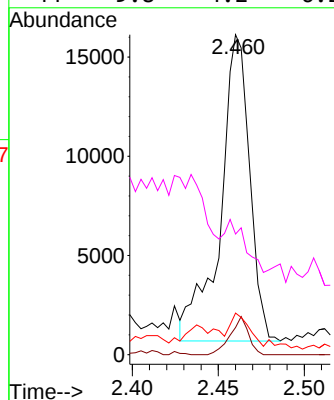
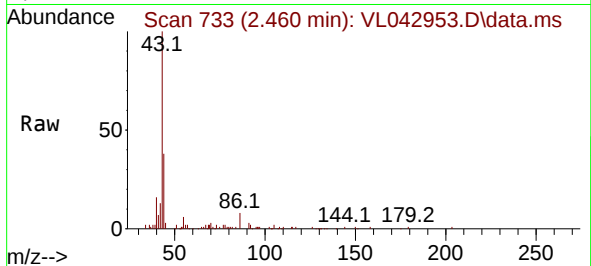




#23
 Vinyl Acetate
 Concen: 0.593 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

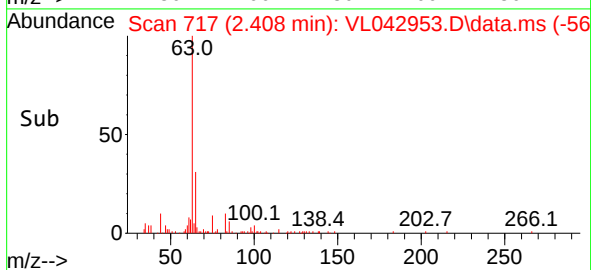
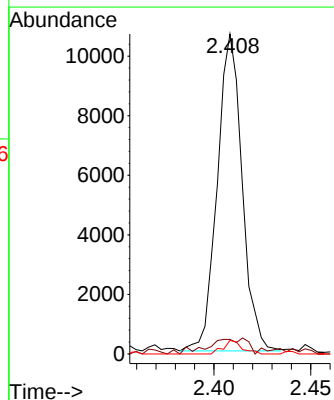
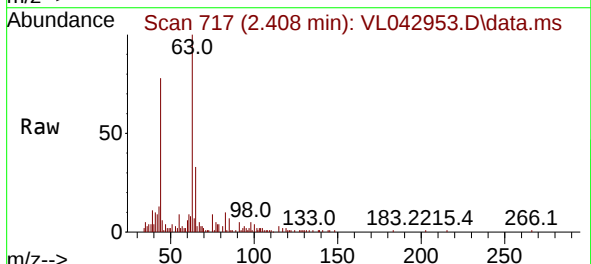
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

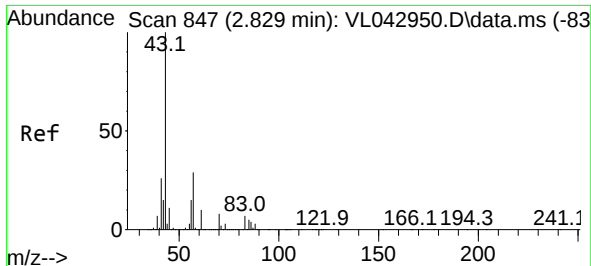
Tgt Ion:	43	Resp:	18264
Ion	Ratio	Lower	Upper
43	100		
86	8.9	6.2	9.2
42	10.1	7.4	11.0
44	9.8	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 0.529 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion:	63	Resp:	9484
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.2	6.6
100	4.3	1.4	4.0

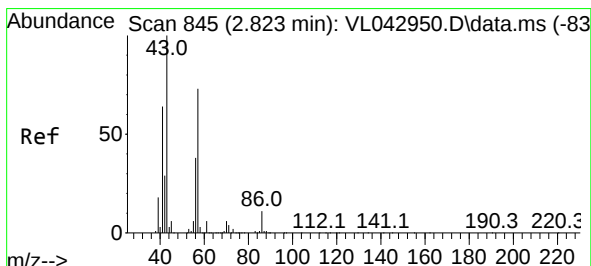
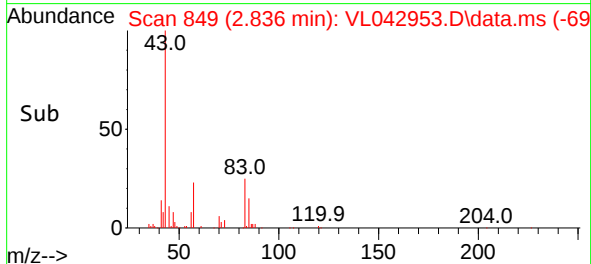
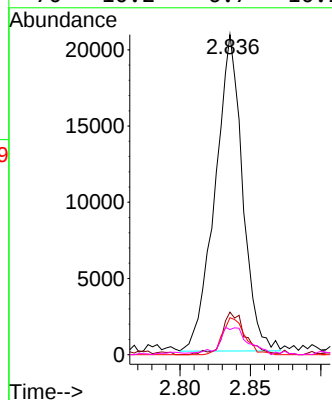
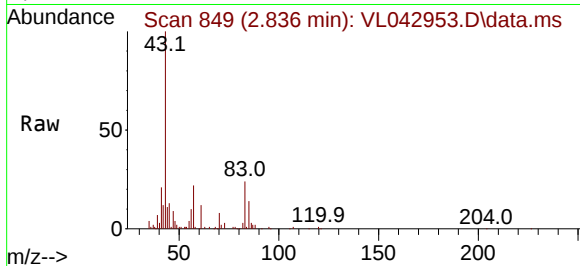




#25
Ethyl Acetate
Concen: 0.517 ppbv
RT: 2.836 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

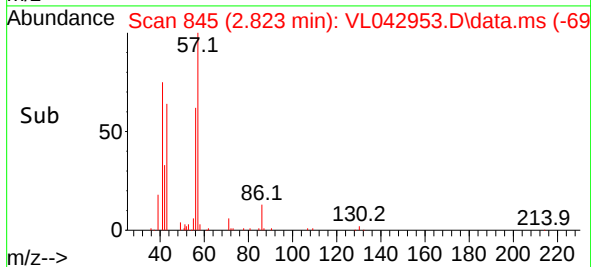
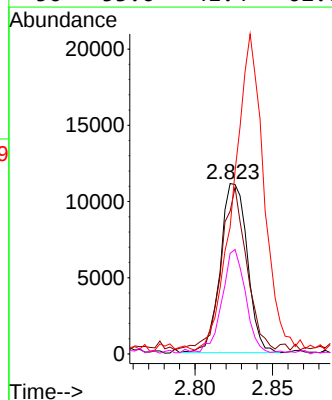
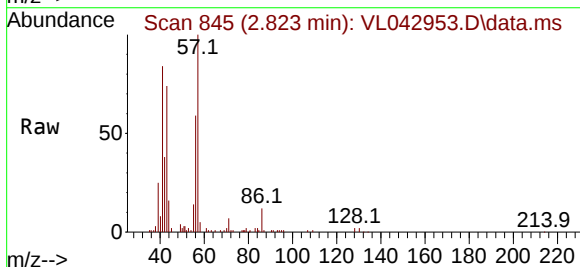
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

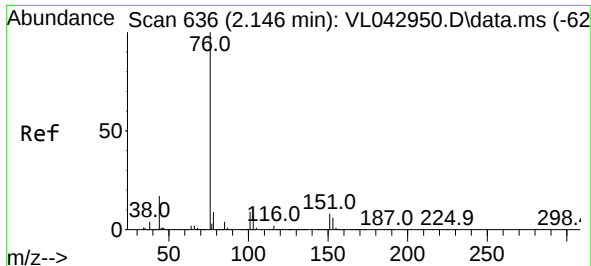
Tgt Ion: 43 Resp: 28162
Ion Ratio Lower Upper
43 100
45 12.3 7.7 11.5#
61 9.5 7.1 10.7
70 10.2 6.7 10.1#



#26
Hexane
Concen: 0.540 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 57 Resp: 13406
Ion Ratio Lower Upper
57 100
41 92.4 71.7 107.5
43 224.5 180.8 271.2
56 53.6 41.4 62.0





#27

Carbon Disulfide

Concen: 0.518 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

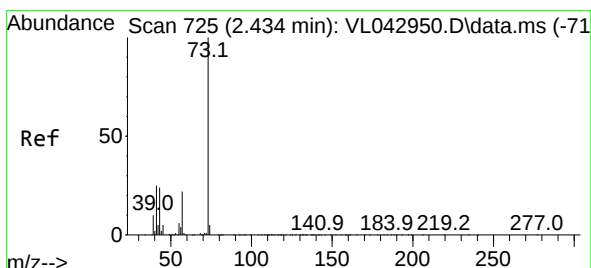
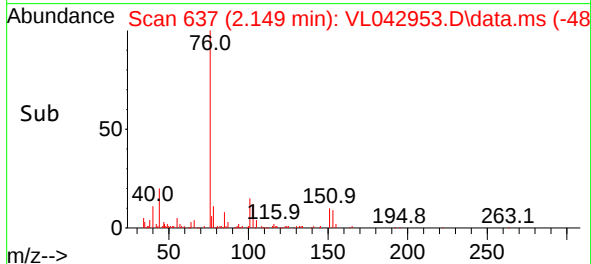
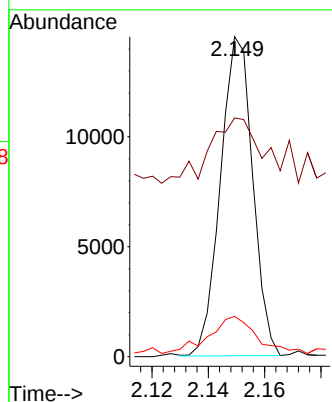
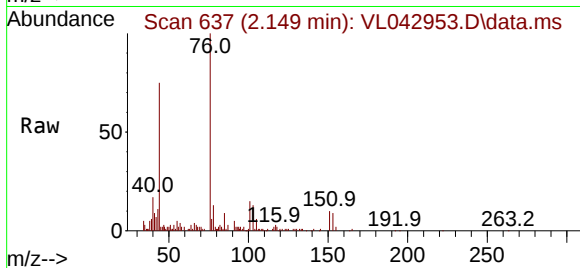
Tgt Ion: 76 Resp: 11535

Ion Ratio Lower Upper

76 100

44 134.4 15.6 23.4#

78 20.6 8.9 13.3#



#28

Methyl tert-Butyl Ether

Concen: 0.611 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.006 min

Lab File: VL042953.D

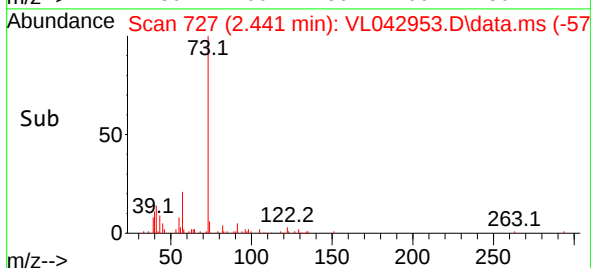
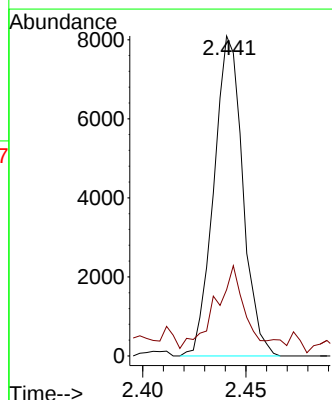
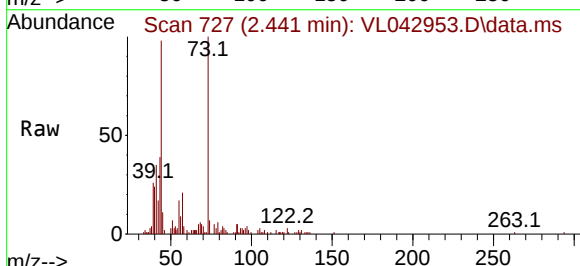
Acq: 22 Sep 2025 11:22

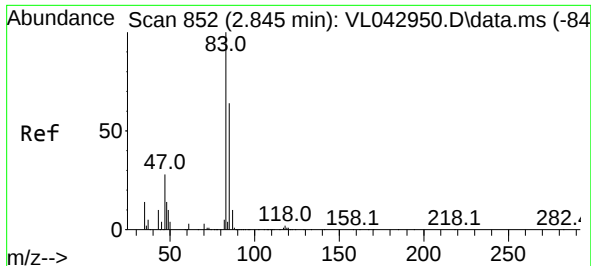
Tgt Ion: 73 Resp: 7886

Ion Ratio Lower Upper

73 100

57 43.4 20.6 31.0#





#29

Chloroform

Concen: 0.530 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

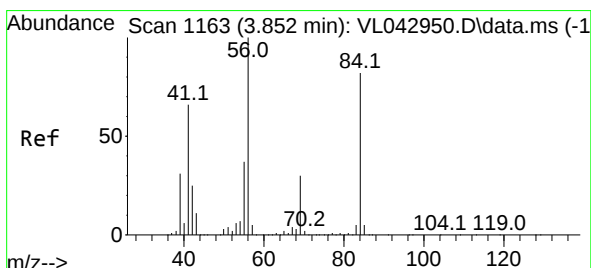
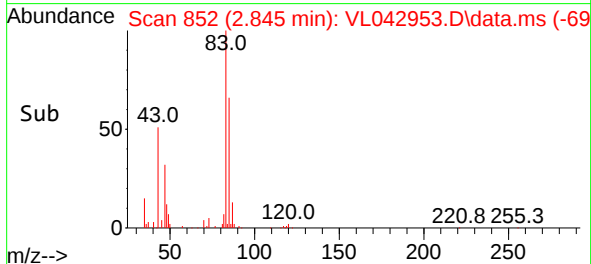
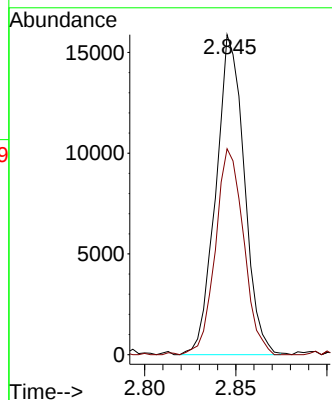
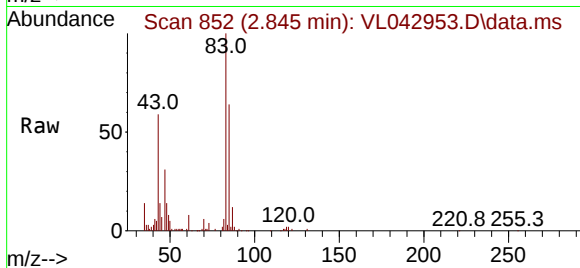
VSTDIC0.5

Tgt Ion: 83 Resp: 17188

Ion Ratio Lower Upper

83 100

85 64.3 51.2 76.8



#30

Cyclohexane

Concen: 0.523 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

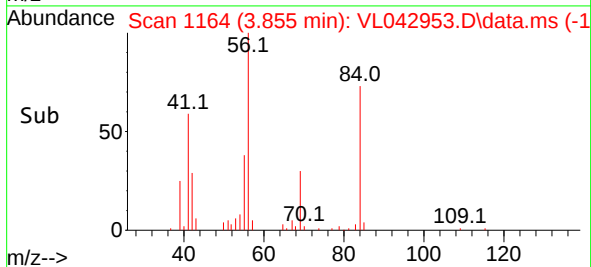
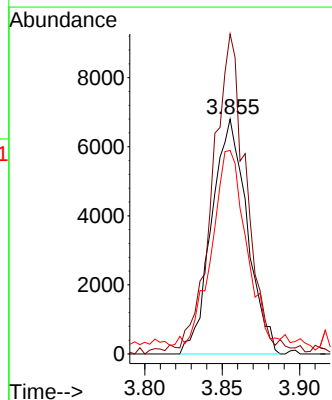
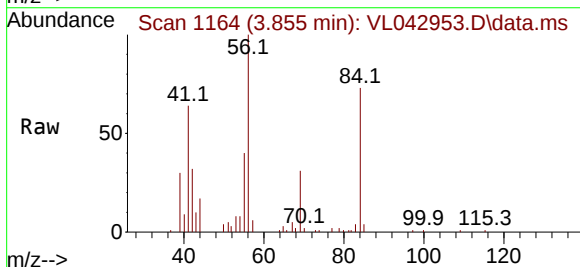
Tgt Ion: 84 Resp: 10856

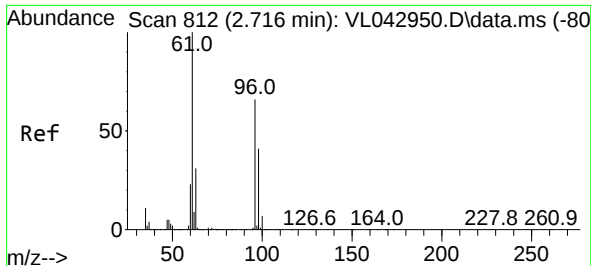
Ion Ratio Lower Upper

84 100

56 132.1 102.2 153.4

41 92.2 65.6 98.4

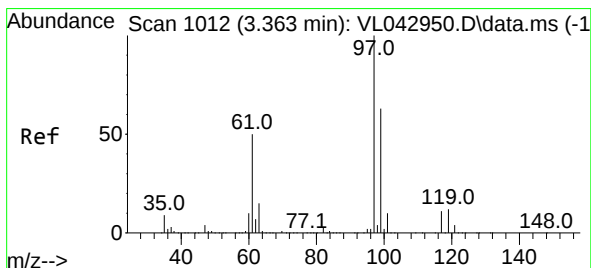
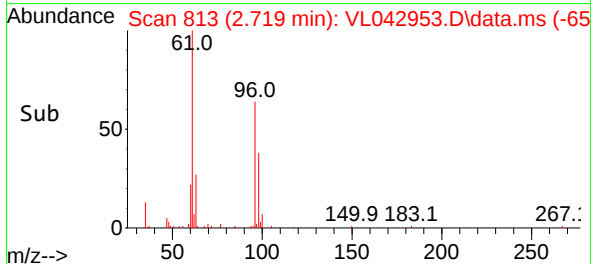
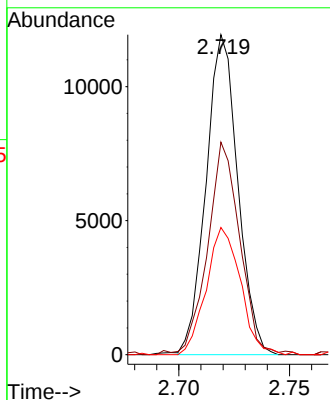
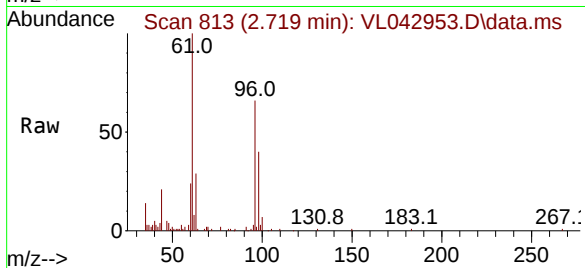




#31
 cis-1,2-Dichloroethene
 Concen: 0.513 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

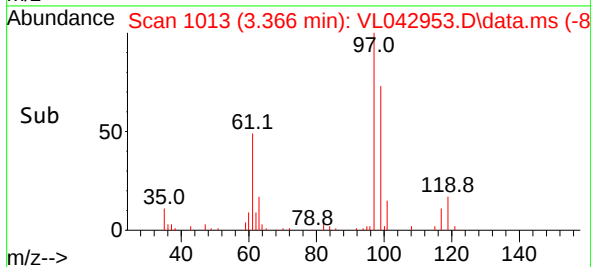
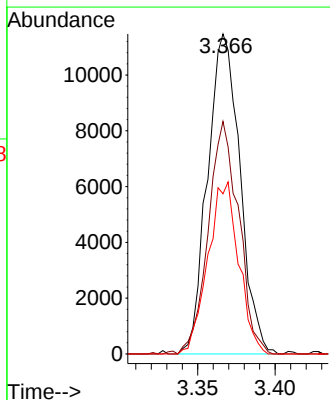
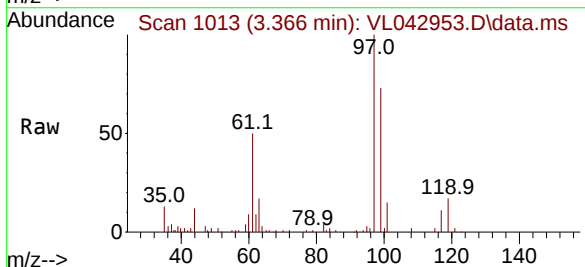
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

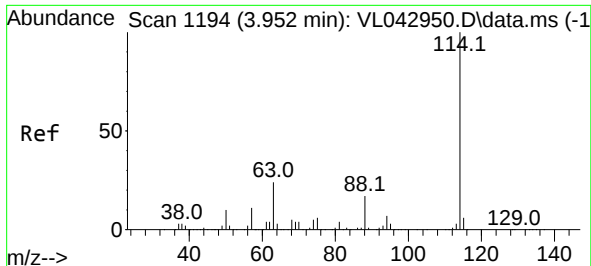
Tgt Ion:	61	Resp:	11939
Ion	Ratio	Lower	Upper
61	100		
96	65.7	53.0	79.6
98	39.7	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.474 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion:	97	Resp:	16684
Ion	Ratio	Lower	Upper
97	100		
99	68.4	51.1	76.7
61	51.1	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

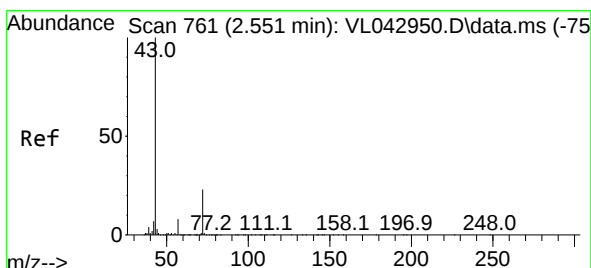
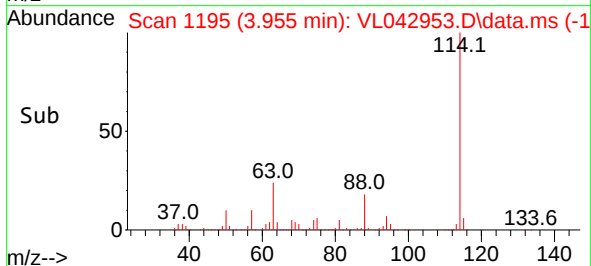
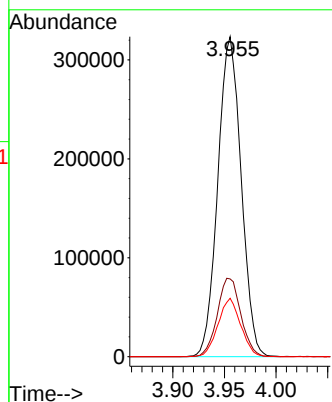
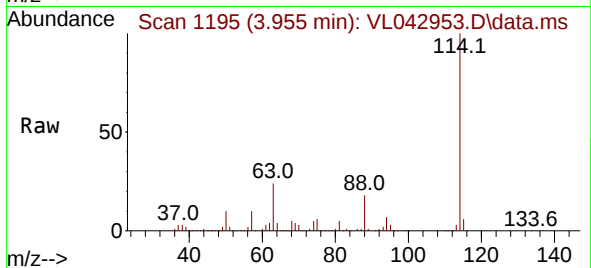
Tgt Ion:114 Resp: 509306

Ion Ratio Lower Upper

114 100

63 24.8 19.4 29.2

88 17.7 14.2 21.2



#34

2-Butanone

Concen: 0.531 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL042953.D

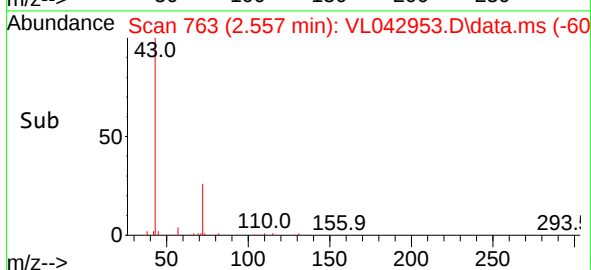
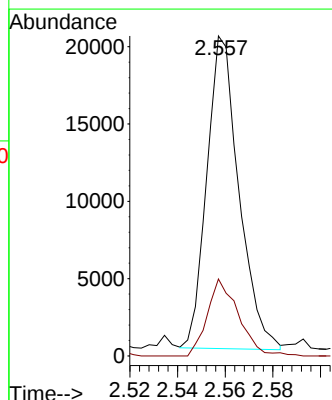
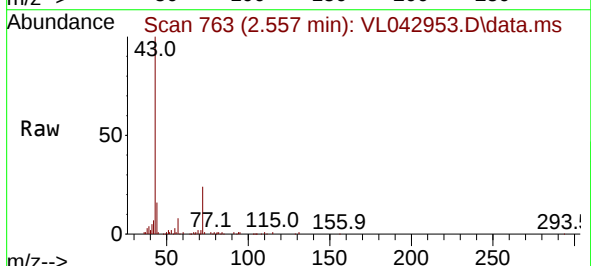
Acq: 22 Sep 2025 11:22

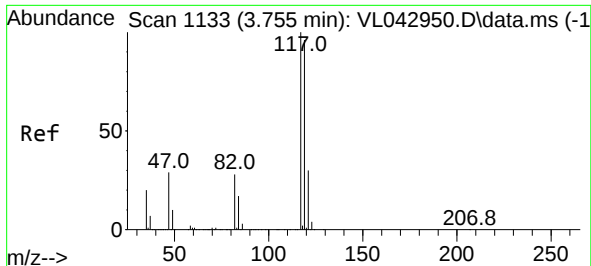
Tgt Ion: 43 Resp: 18948

Ion Ratio Lower Upper

43 100

72 23.9 17.7 26.5

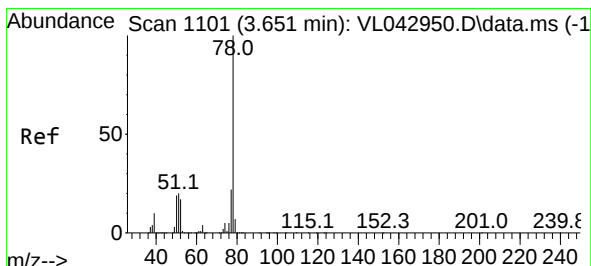
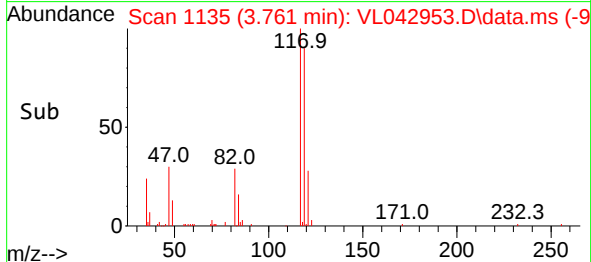
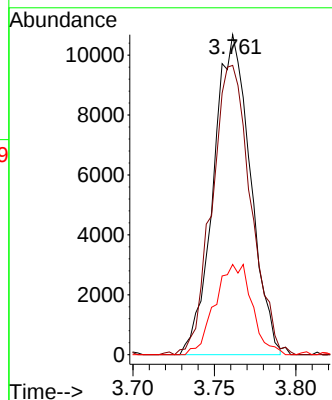
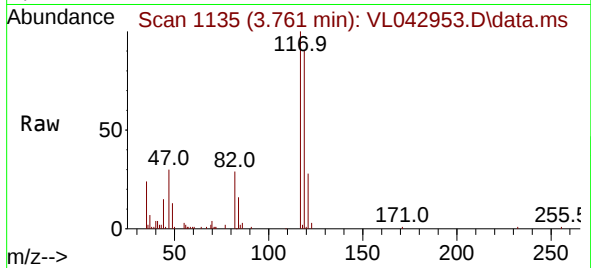




#35
Carbon Tetrachloride
Concen: 0.513 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

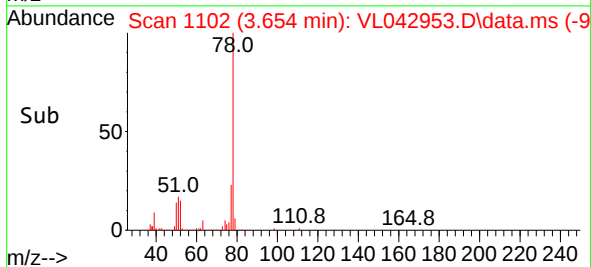
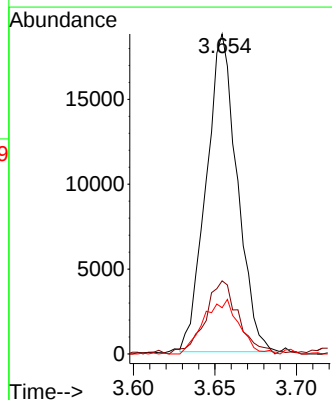
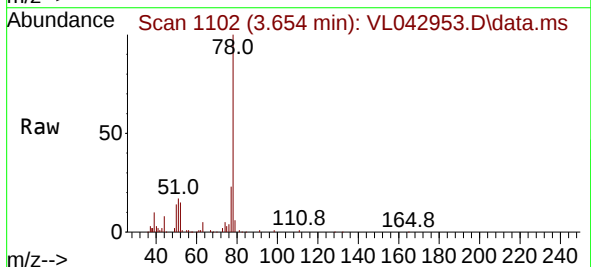
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

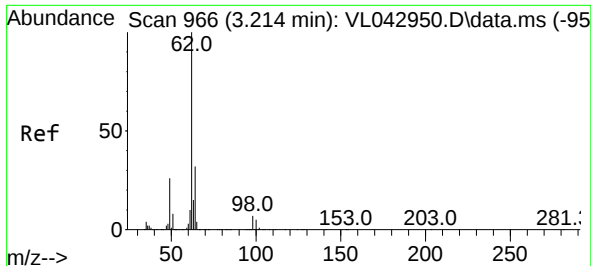
Tgt Ion:117 Resp: 16799
Ion Ratio Lower Upper
117 100
119 88.9 76.9 115.3
121 28.2 23.7 35.5



#36
Benzene
Concen: 0.519 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 78 Resp: 24807
Ion Ratio Lower Upper
78 100
77 21.4 17.8 26.6
50 14.5 15.0 22.4#





#37

1,2-Dichloroethane

Concen: 0.508 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

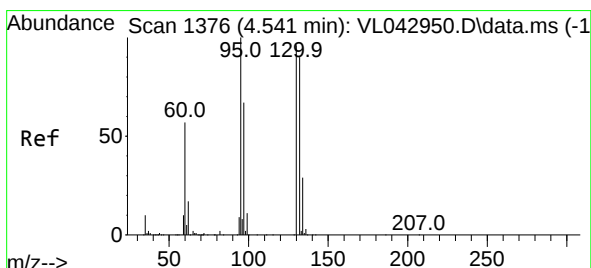
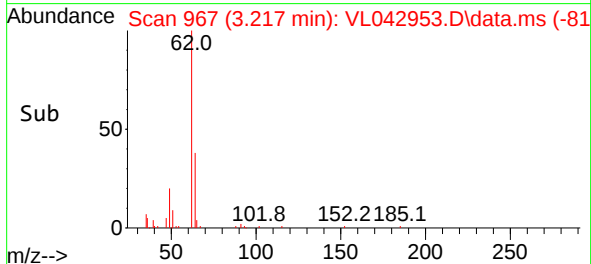
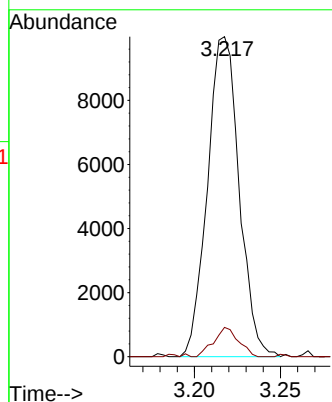
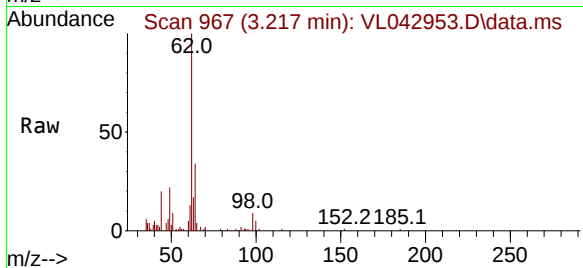
VSTDIC0.5

Tgt Ion: 62 Resp: 12788

Ion Ratio Lower Upper

62 100

98 7.4 5.9 8.9



#38

Trichloroethene

Concen: 0.515 ppbv

RT: 4.544 min Scan# 1377

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion: 130 Resp: 12243

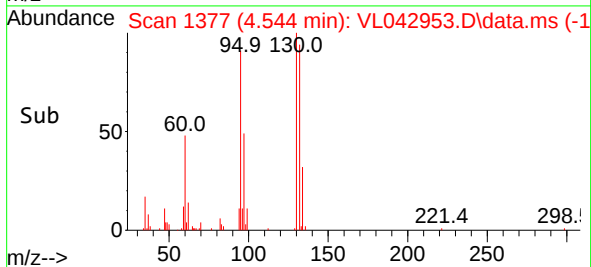
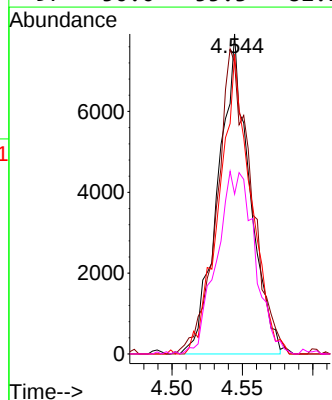
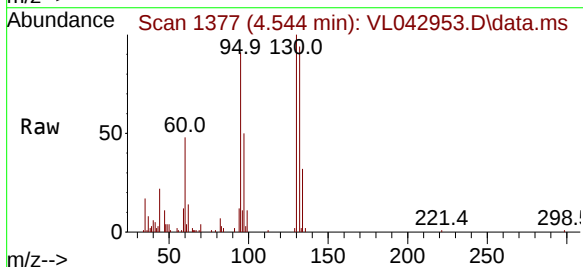
Ion Ratio Lower Upper

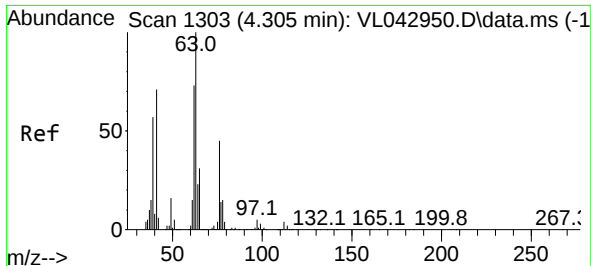
130 100

95 89.6 83.0 124.4

132 93.6 74.6 112.0

97 50.0 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 0.502 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.010 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

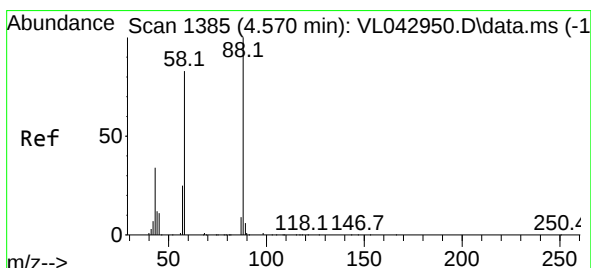
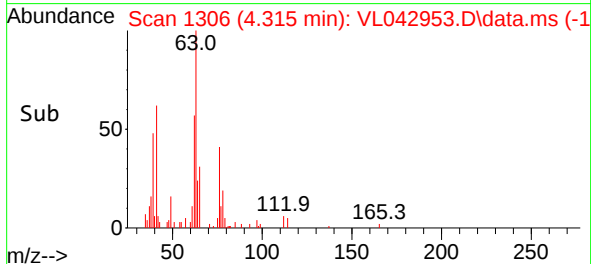
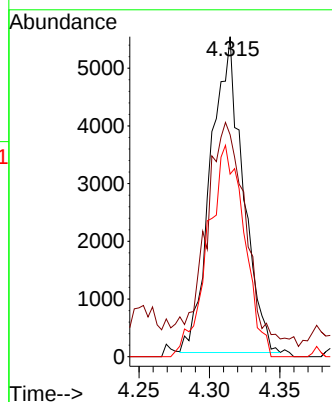
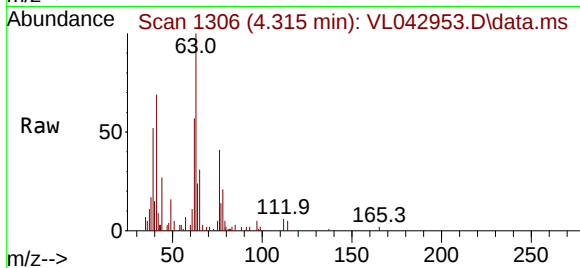
Tgt Ion: 63 Resp: 8772

Ion Ratio Lower Upper

63 100

41 64.7 57.5 86.3

62 56.5 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.202 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.023 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion: 88 Resp: 1641

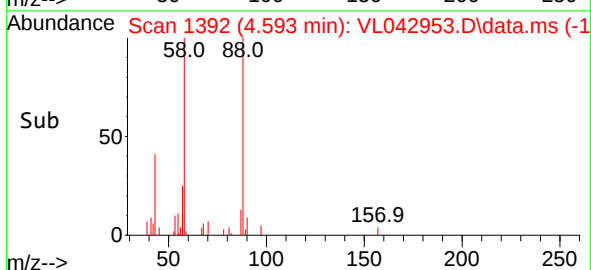
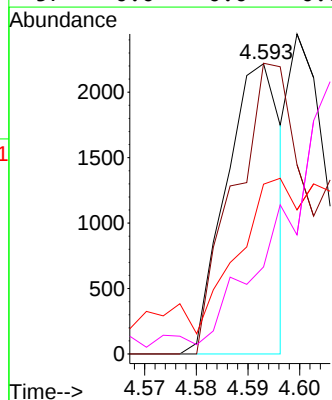
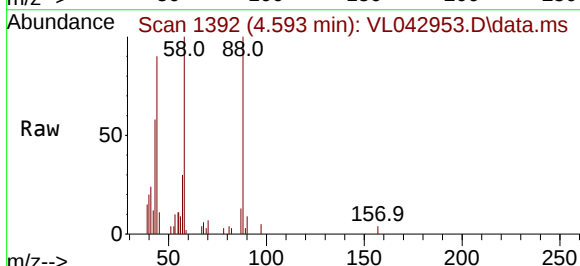
Ion Ratio Lower Upper

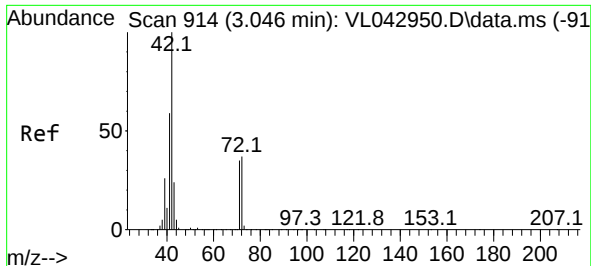
88 100

58 332.1 59.7 89.5#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

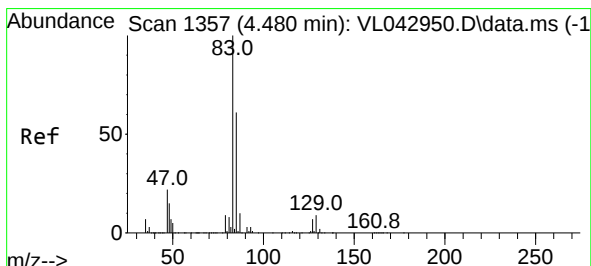
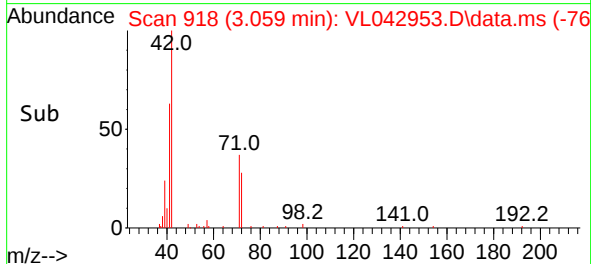
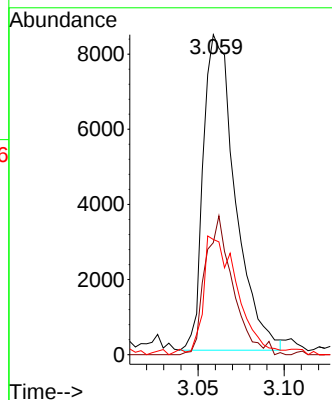
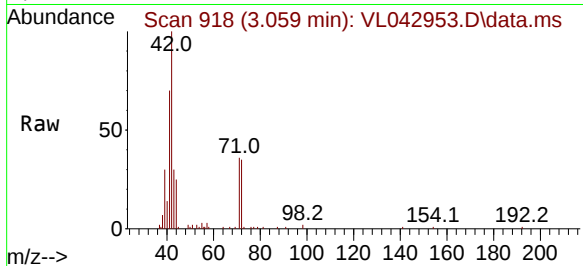




#41
Tetrahydrofuran
Concen: 0.530 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

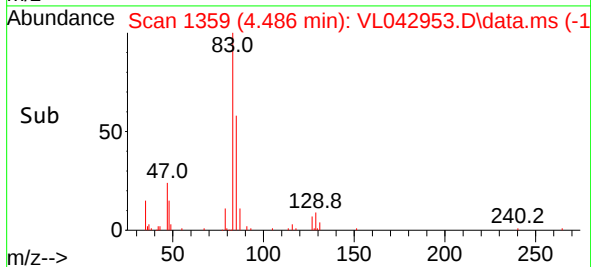
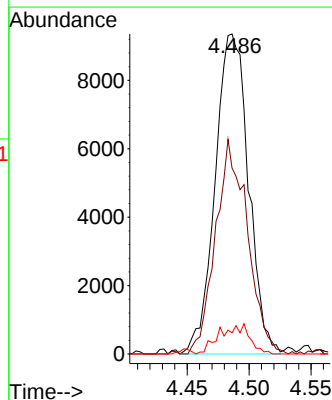
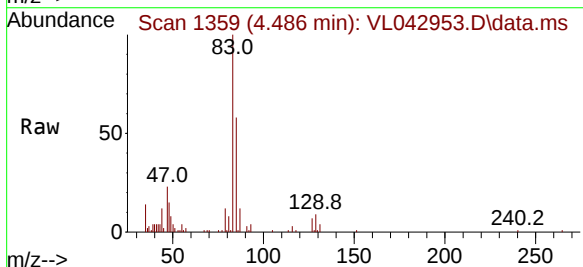
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

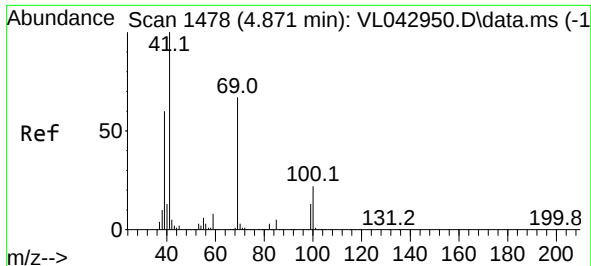
Tgt Ion:	42	Resp:	10871
Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.0	45.0
71	41.6	28.8	43.2



#42
Bromodichloromethane
Concen: 0.501 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion:	83	Resp:	17552
Ion	Ratio	Lower	Upper
83	100		
85	58.1	49.0	73.6
127	6.6	5.3	7.9

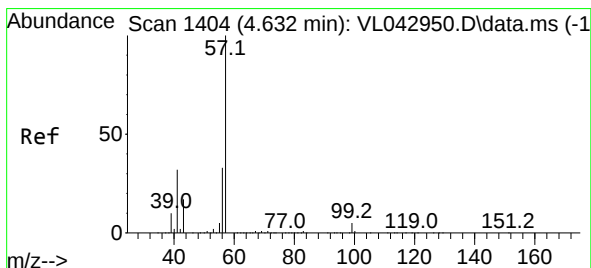
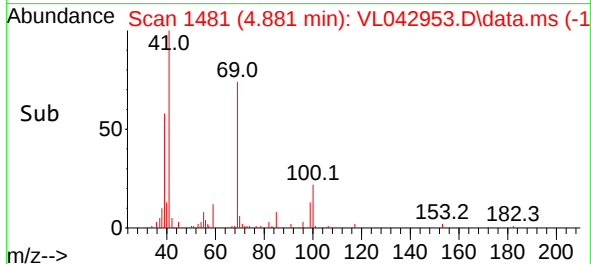
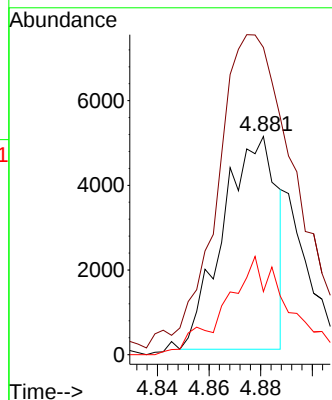
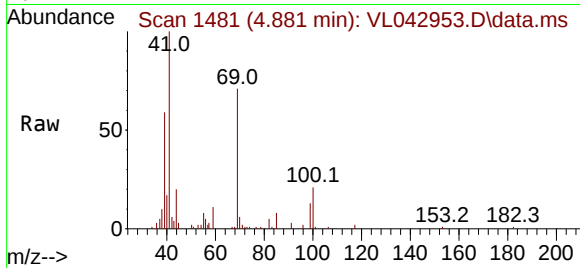




#43
Methyl Methacrylate
Concen: 0.374 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

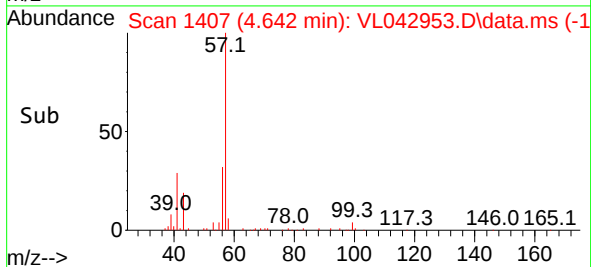
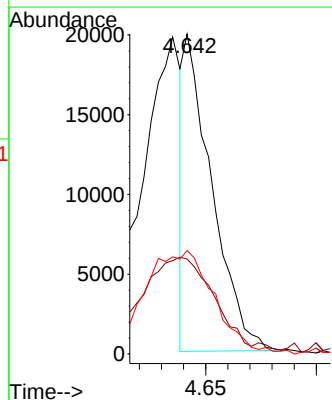
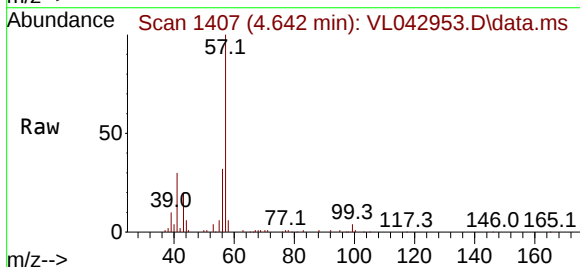
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

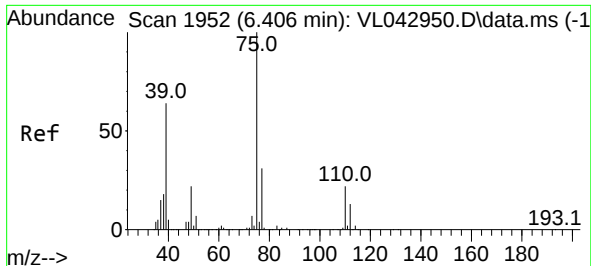
Tgt Ion: 69 Resp: 7252
Ion Ratio Lower Upper
69 100
41 216.4 124.5 186.7#
100 54.6 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.210 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 57 Resp: 17345
Ion Ratio Lower Upper
57 100
41 79.9 25.5 38.3#
56 84.6 25.8 38.8#

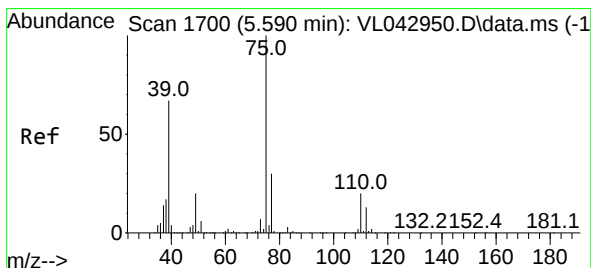
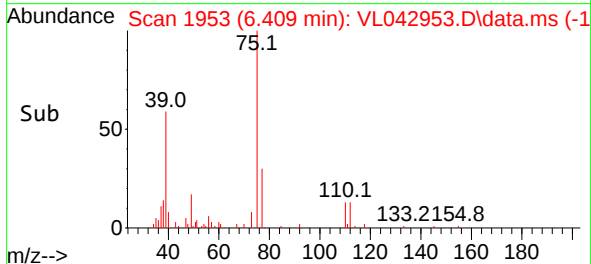
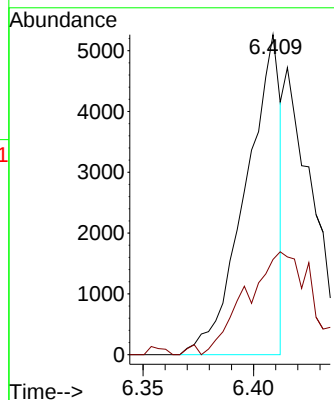
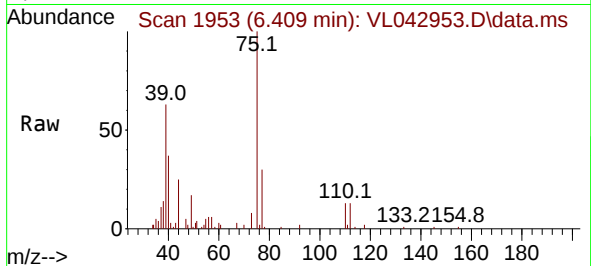




#45
 t-1,3-Dichloropropene
 Concen: 0.276 ppbv
 RT: 6.409 min Scan# 1952
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

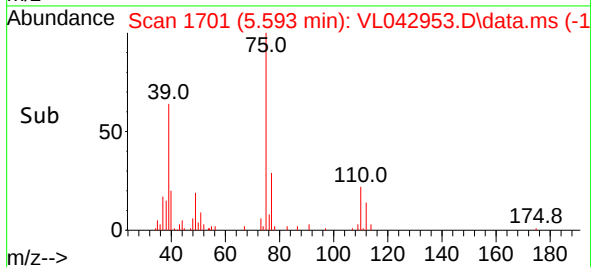
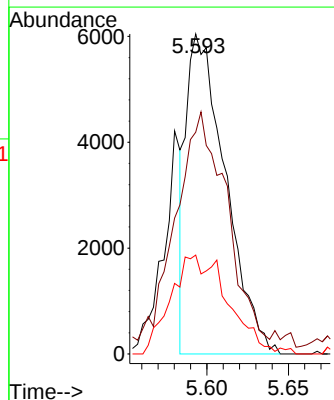
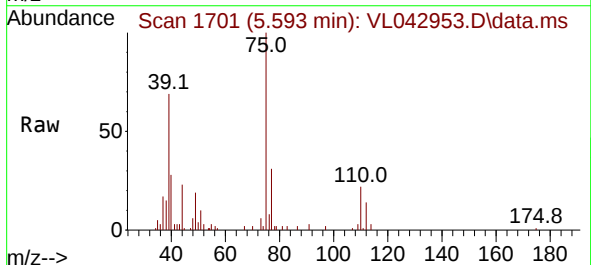
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

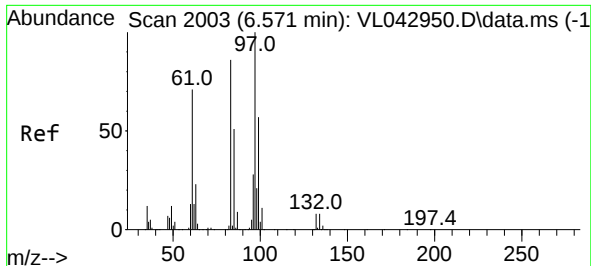
Tgt Ion: 75 Resp: 5766
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.379 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 75 Resp: 10078
 Ion Ratio Lower Upper
 75 100
 39 64.8 53.8 80.6
 77 29.0 23.6 35.4

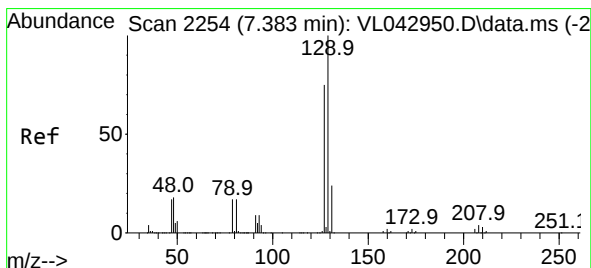
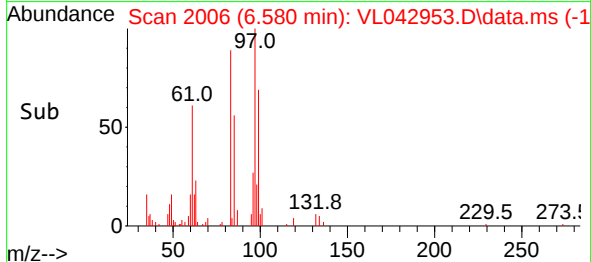
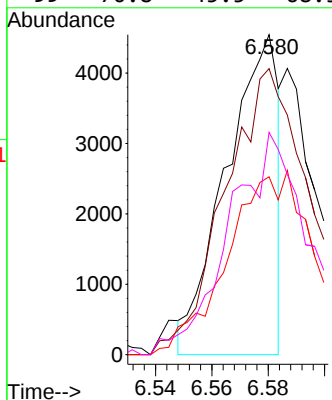
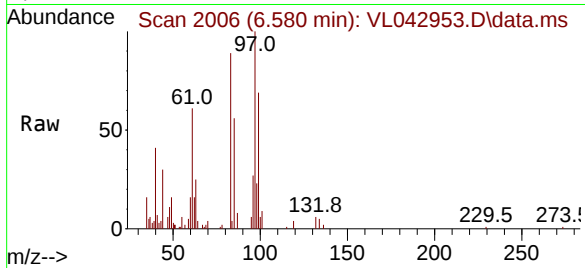




#47
 1,1,2-Trichloroethane
 Concen: 0.318 ppbv
 RT: 6.580 min Scan# 2006
 Delta R.T. 0.010 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

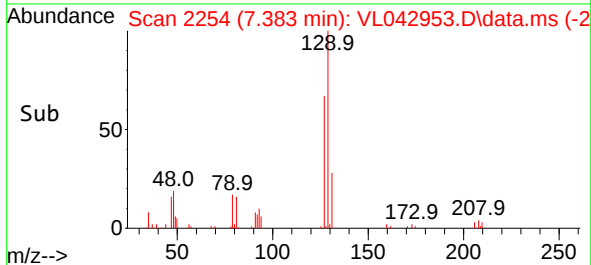
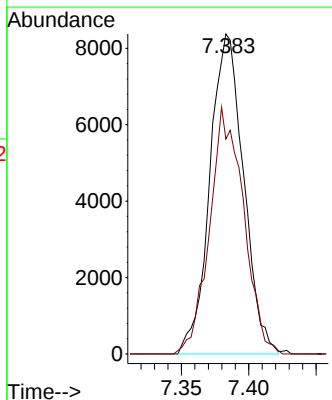
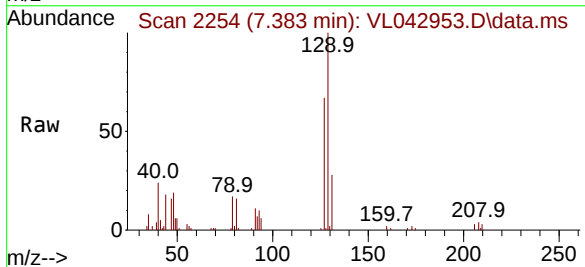
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

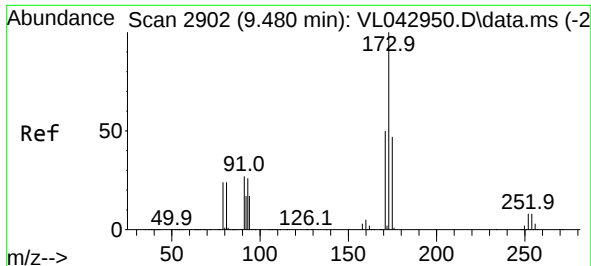
Tgt Ion: 97 Resp: 5868
 Ion Ratio Lower Upper
 97 100
 83 91.6 68.7 103.1
 85 52.5 40.6 60.8
 99 70.8 45.5 68.3#



#48
 Dibromochloromethane
 Concen: 0.493 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 129 Resp: 14563
 Ion Ratio Lower Upper
 129 100
 127 77.5 39.1 117.2





#49

Bromoform

Concen: 0.473 ppbv

RT: 9.480 min Scan# 2902

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

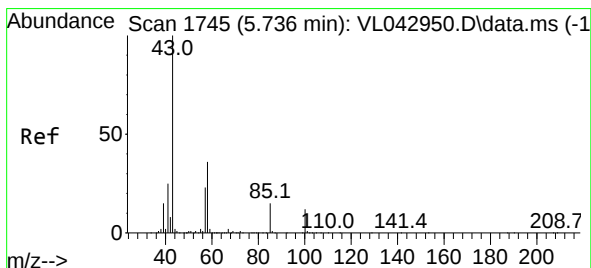
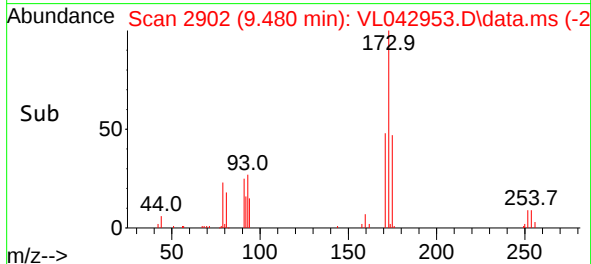
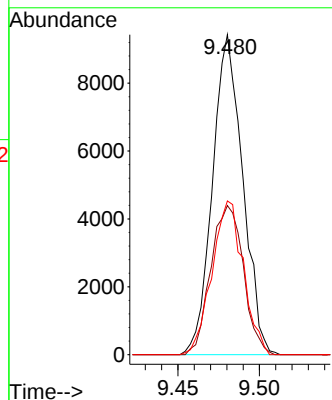
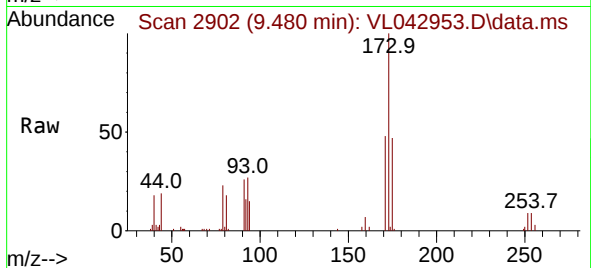
Tgt Ion:173 Resp: 12136

Ion Ratio Lower Upper

173 100

175 50.2 37.9 56.9

171 49.8 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.493 ppbv

RT: 5.761 min Scan# 1753

Delta R.T. 0.026 min

Lab File: VL042953.D

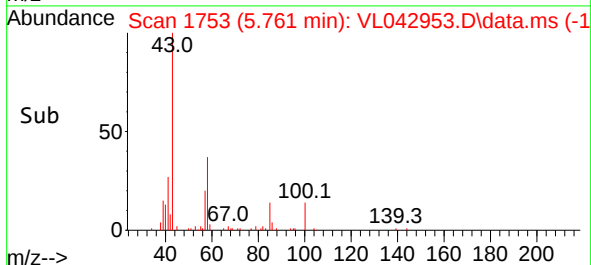
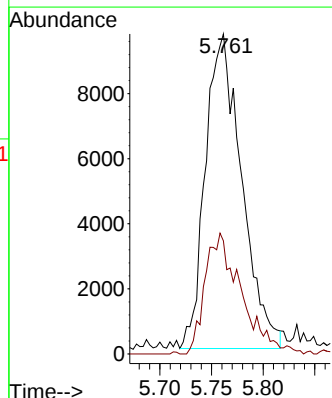
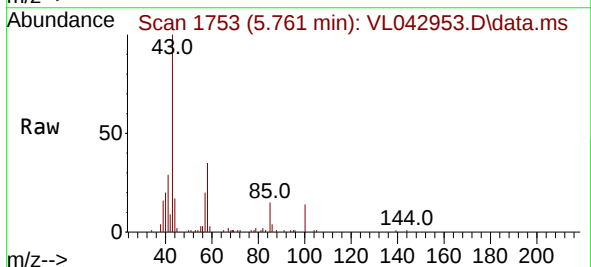
Acq: 22 Sep 2025 11:22

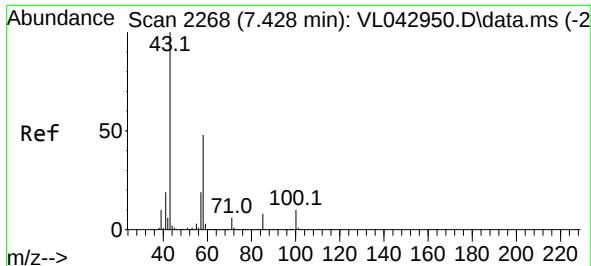
Tgt Ion: 43 Resp: 23639

Ion Ratio Lower Upper

43 100

58 38.5 28.4 42.6

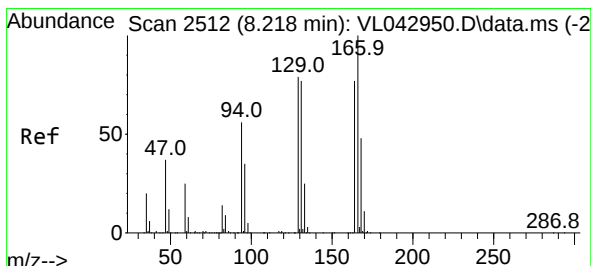
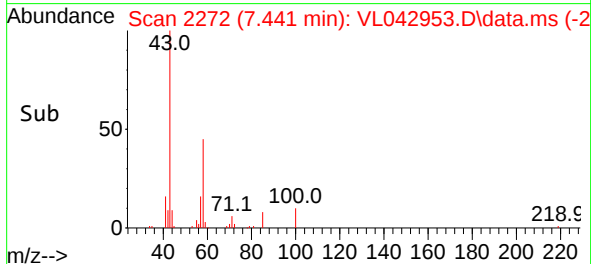
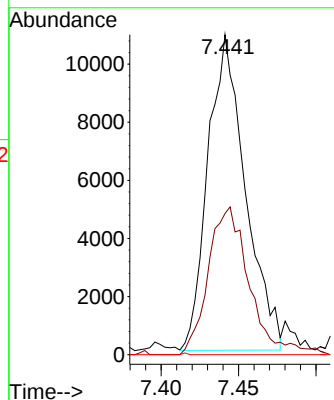
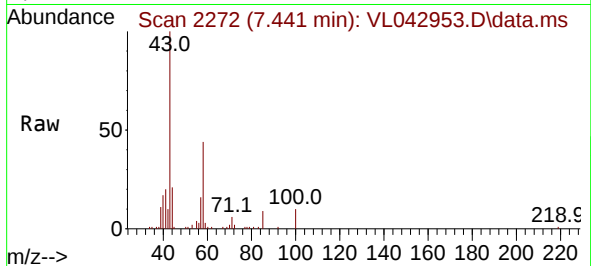




#51
2-Hexanone
Concen: 0.480 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

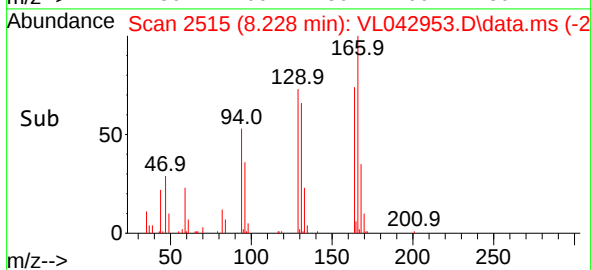
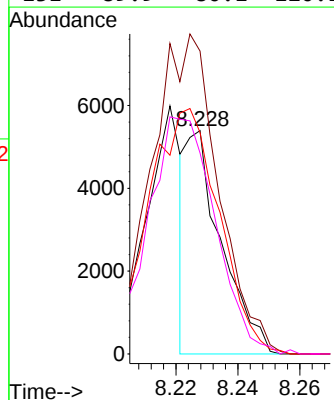
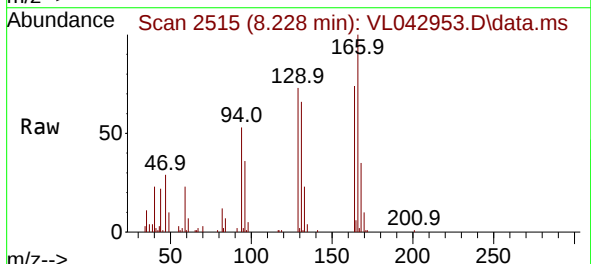
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

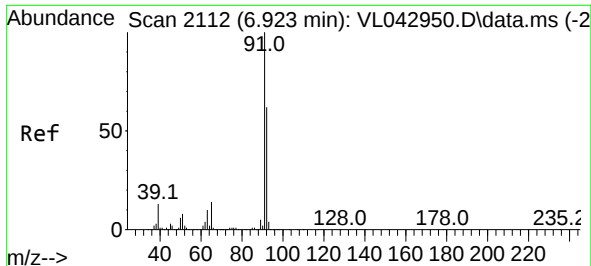
Tgt Ion: 43 Resp: 18322
Ion Ratio Lower Upper
43 100
58 51.8 39.7 59.5
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.228 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 164 Resp: 4214
Ion Ratio Lower Upper
164 100
166 134.4 103.5 155.3
129 97.6 82.2 123.4
131 89.9 80.1 120.1

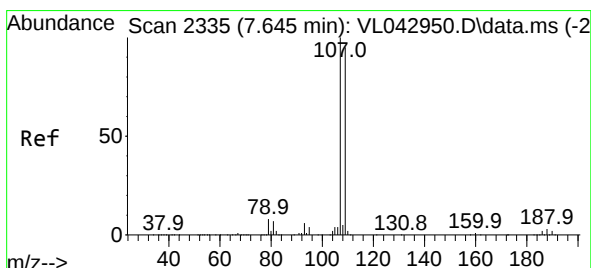
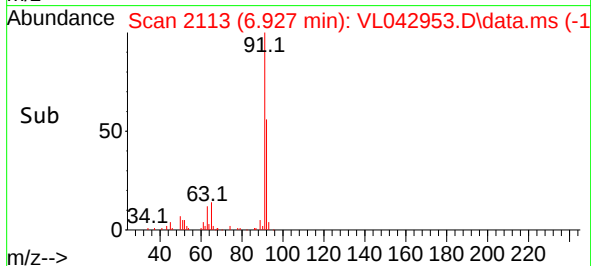
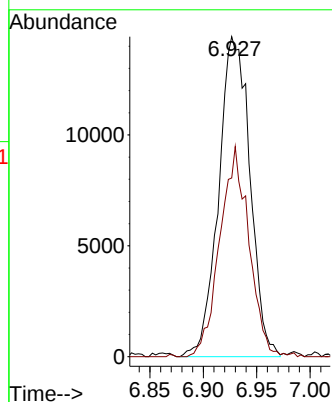
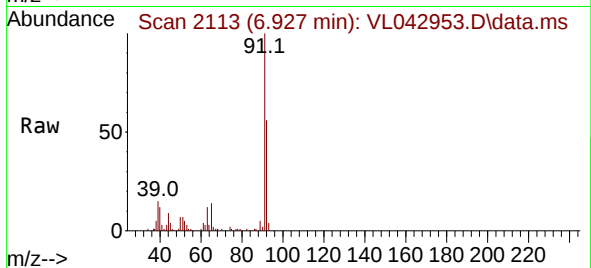




#53
Toluene
Concen: 0.519 ppbv
RT: 6.927 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

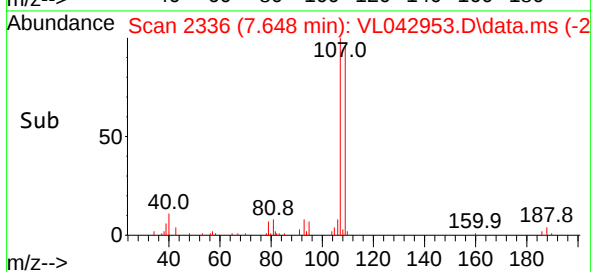
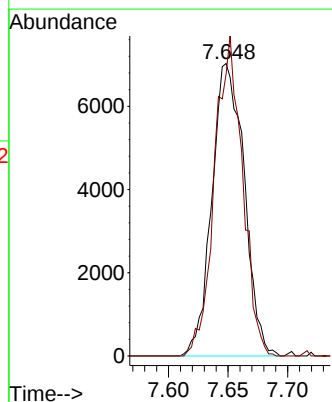
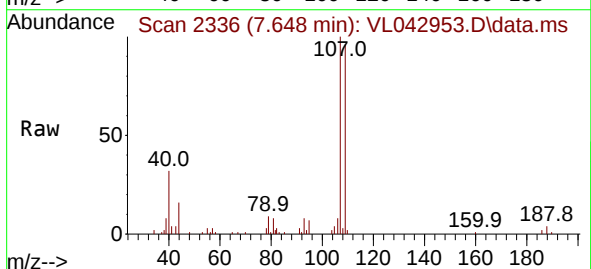
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

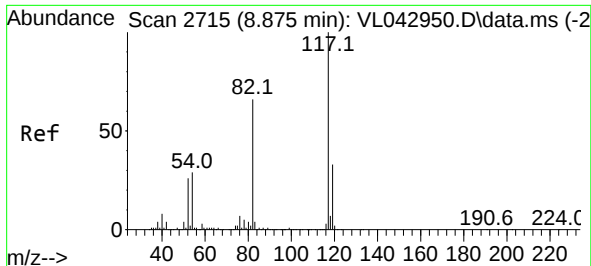
Tgt Ion: 91 Resp: 29404
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.510 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 107 Resp: 13233
Ion Ratio Lower Upper
107 100
109 96.5 75.8 113.8

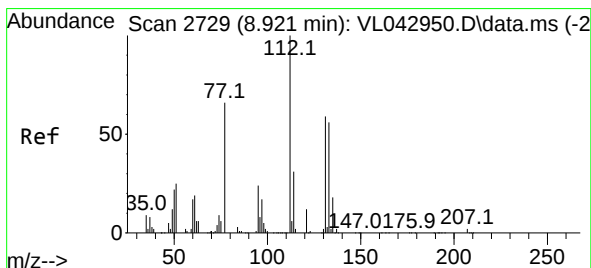
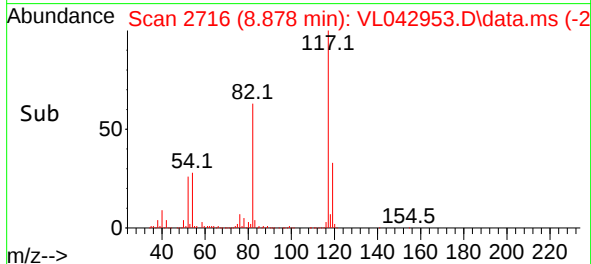
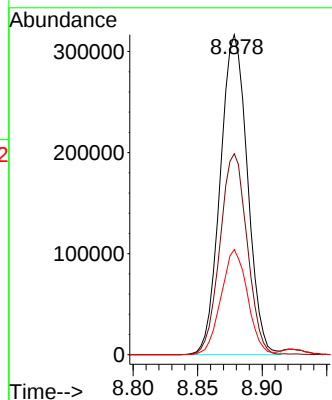
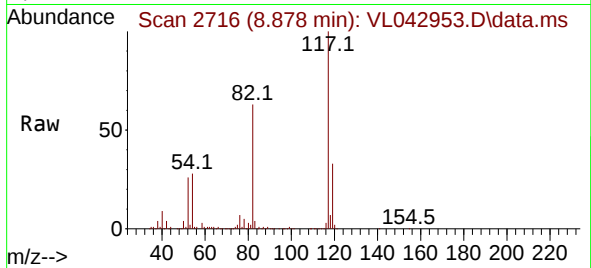




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

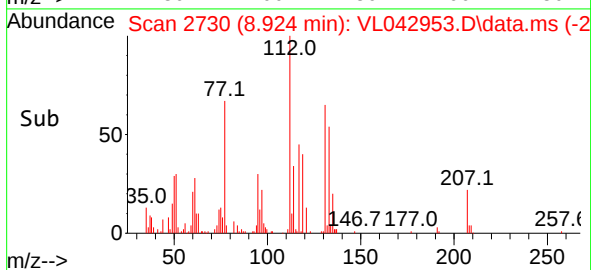
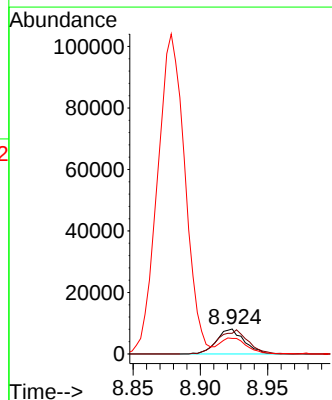
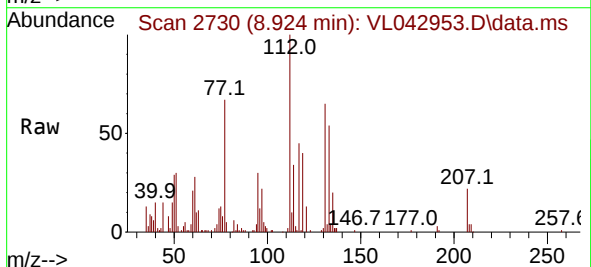
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

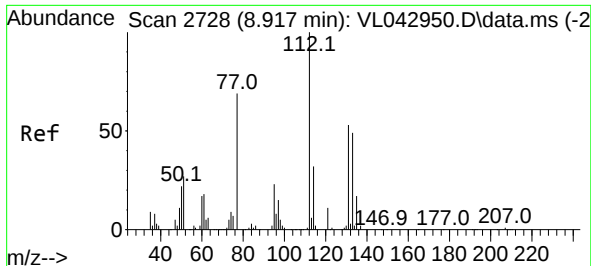
Tgt Ion:117 Resp: 464091
Ion Ratio Lower Upper
117 100
82 63.0 52.8 79.2
119 33.5 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion:131 Resp: 11535
Ion Ratio Lower Upper
131 100
133 105.4 76.6 114.8
119 1350.8 49.9 74.9#

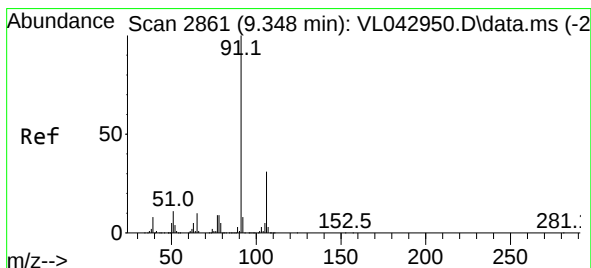
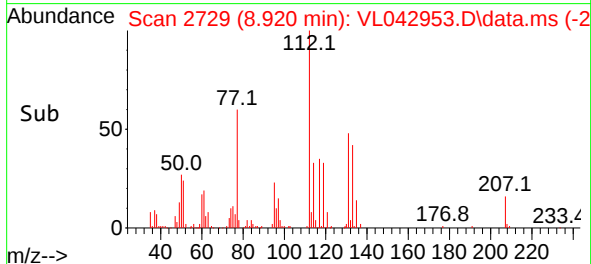
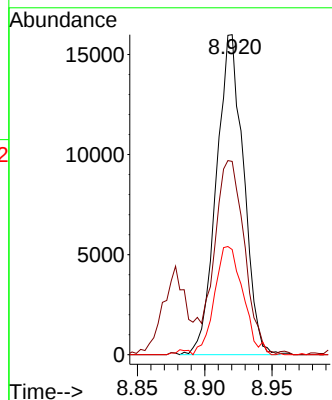
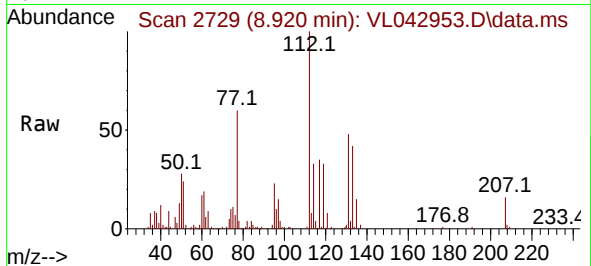




#57
Chlorobenzene
Concen: 0.530 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

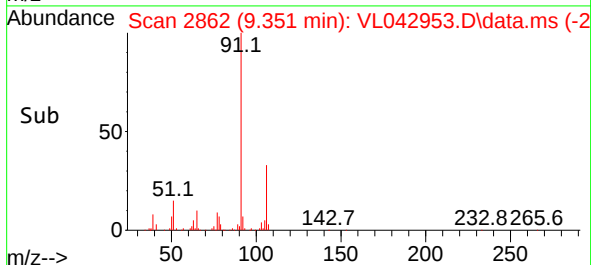
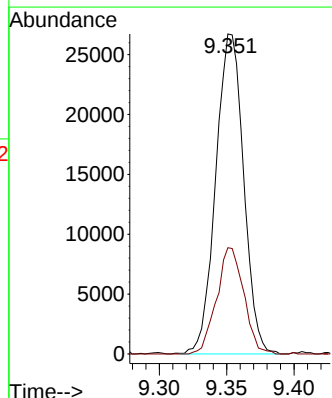
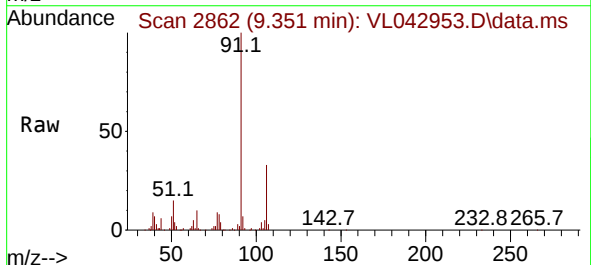
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

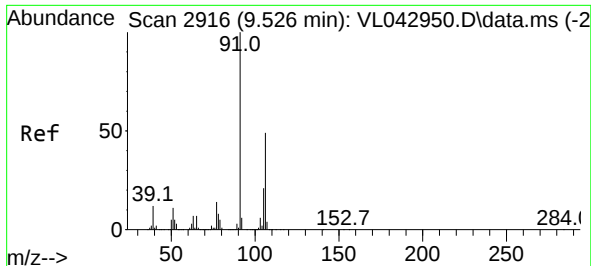
Tgt Ion: 112 Resp: 22463
Ion Ratio Lower Upper
112 100
77 59.5 55.7 83.5
114 32.5 28.6 35.0



#58
Ethyl Benzene
Concen: 0.505 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 91 Resp: 38459
Ion Ratio Lower Upper
91 100
106 33.2 24.6 37.0





#59

m/p-Xylene

Concen: 0.310 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

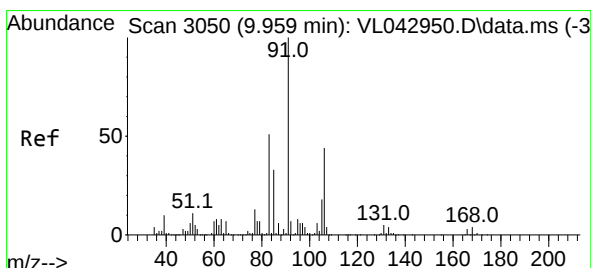
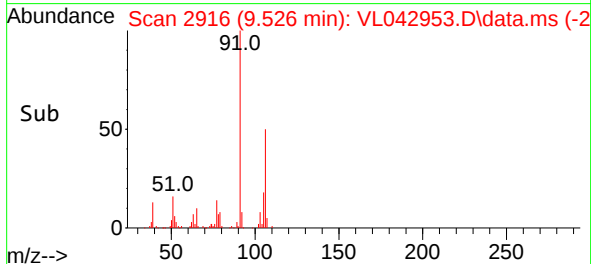
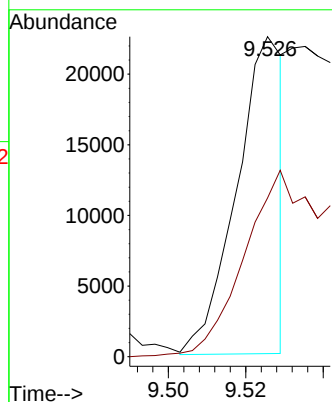
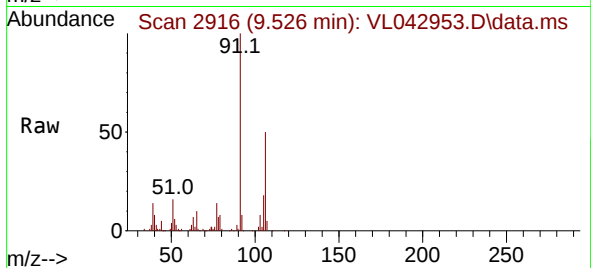
VSTDIC0.5

Tgt Ion: 91 Resp: 18667

Ion Ratio Lower Upper

91 100

106 163.2 0.0 0.0#



#60

o-Xylene

Concen: 0.516 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VL042953.D

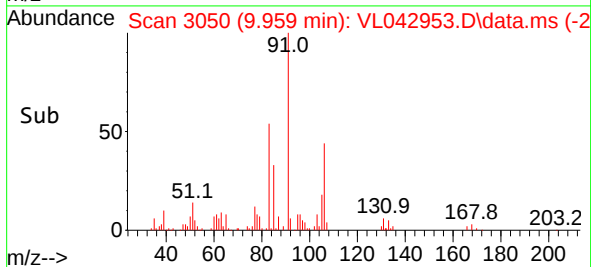
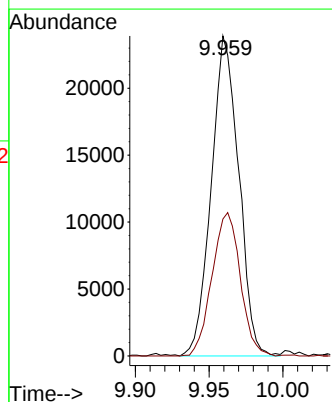
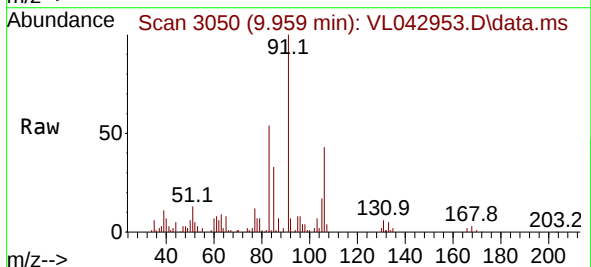
Acq: 22 Sep 2025 11:22

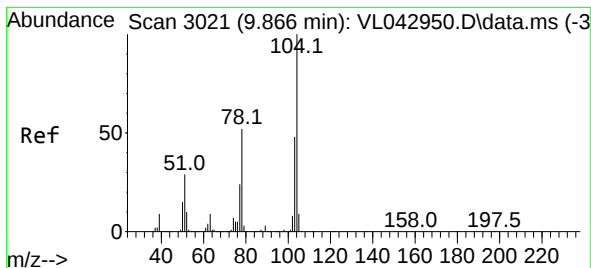
Tgt Ion: 91 Resp: 30976

Ion Ratio Lower Upper

91 100

106 46.2 22.4 67.0





#61

Styrene

Concen: 0.495 ppbv

RT: 9.865 min Scan# 3021

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

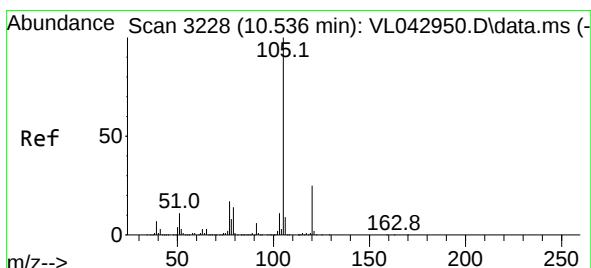
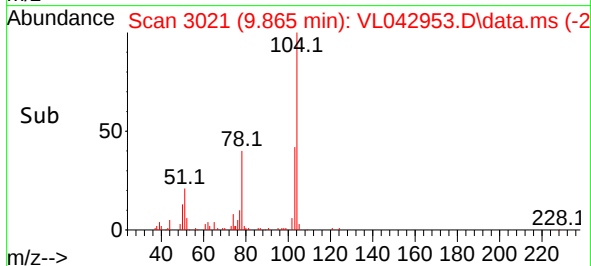
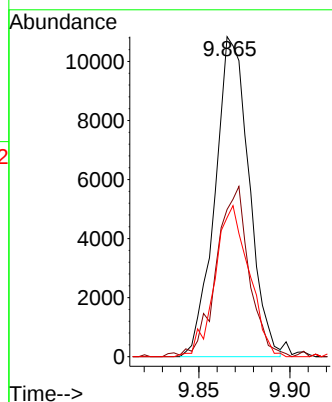
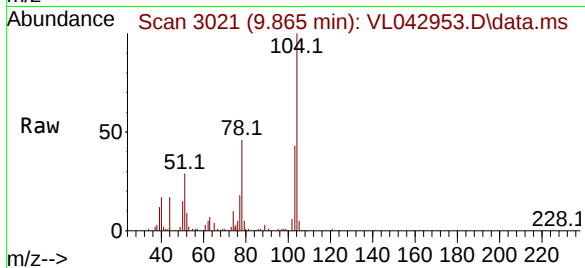
Tgt Ion:104 Resp: 14048

Ion Ratio Lower Upper

104 100

78 51.8 39.9 59.9

103 47.6 36.9 55.3



#62

Isopropylbenzene

Concen: 0.521 ppbv

RT: 10.535 min Scan# 3228

Delta R.T. -0.000 min

Lab File: VL042953.D

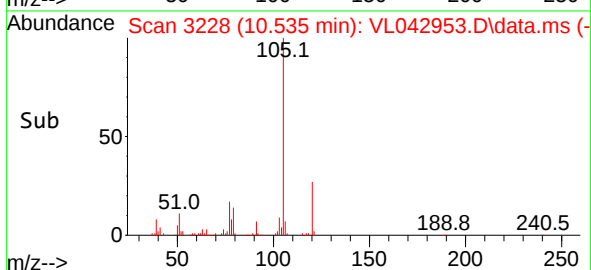
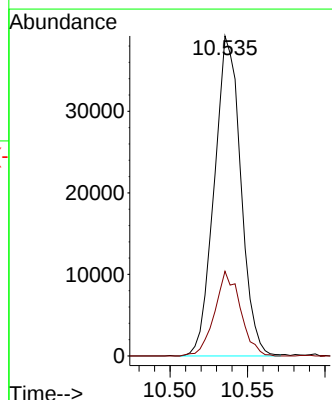
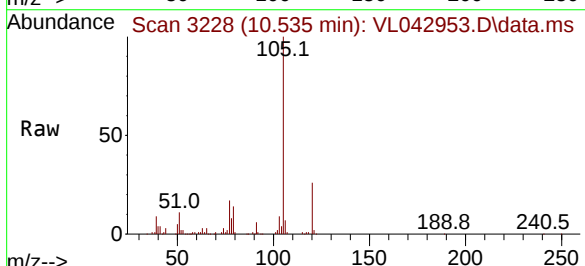
Acq: 22 Sep 2025 11:22

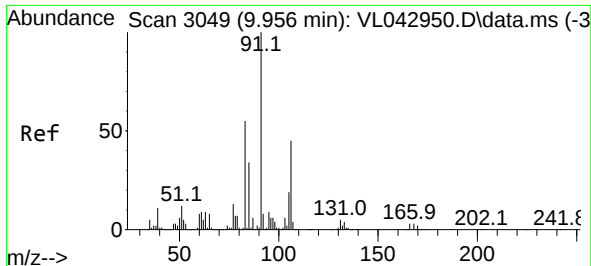
Tgt Ion:105 Resp: 46640

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

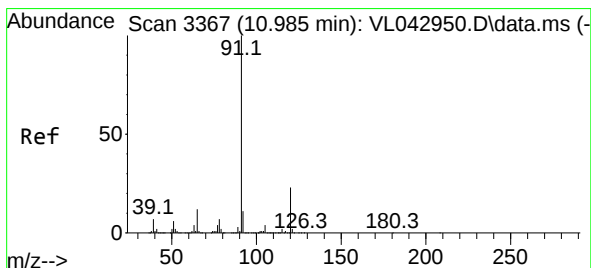
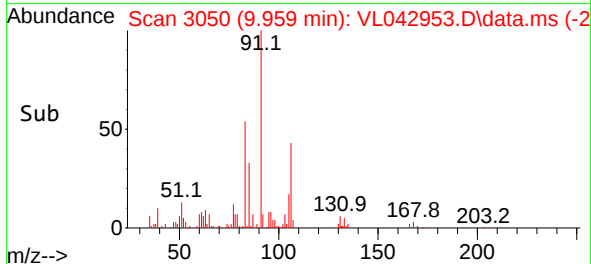
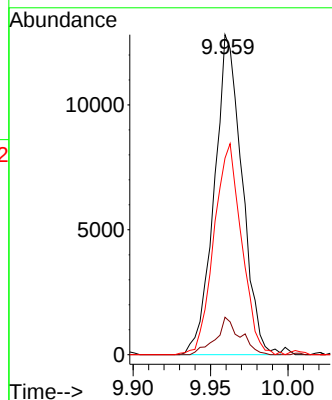
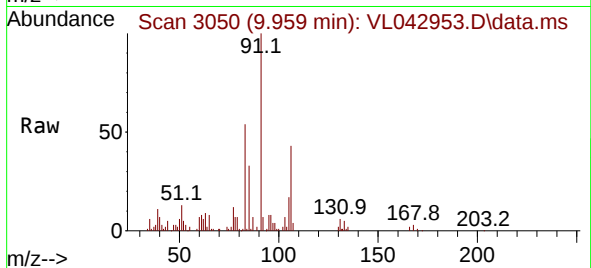




#63
1,1,2,2-Tetrachloroethane
Concen: 0.506 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

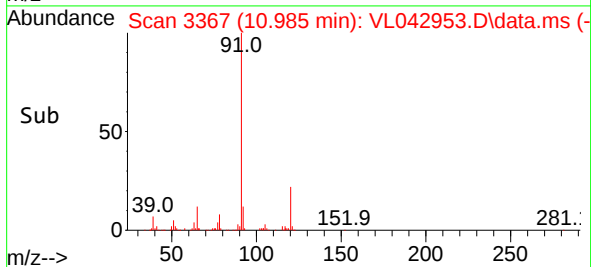
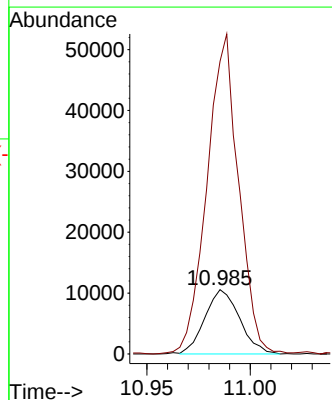
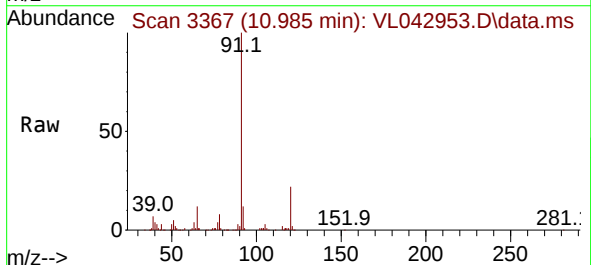
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

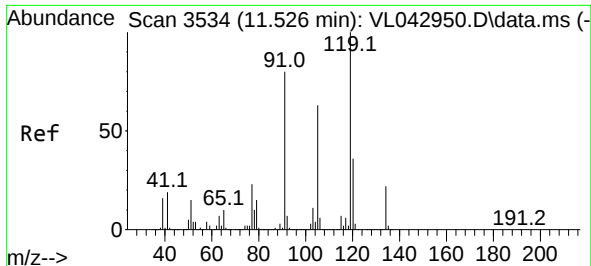
Tgt Ion: 83 Resp: 15974
Ion Ratio Lower Upper
83 100
131 10.4 4.8 14.4
85 66.6 32.2 96.6



#64
n-propylbenzene
Concen: 0.527 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 120 Resp: 12333
Ion Ratio Lower Upper
120 100
91 456.5 364.9 547.3

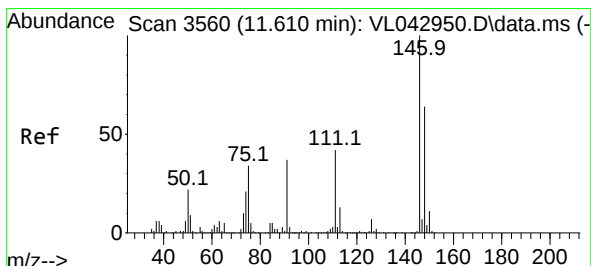
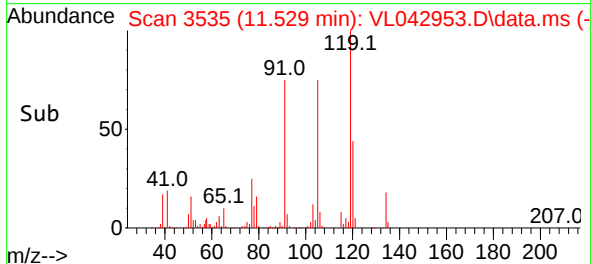
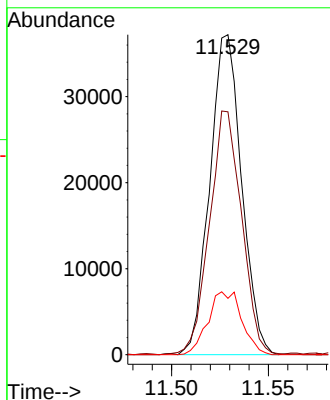
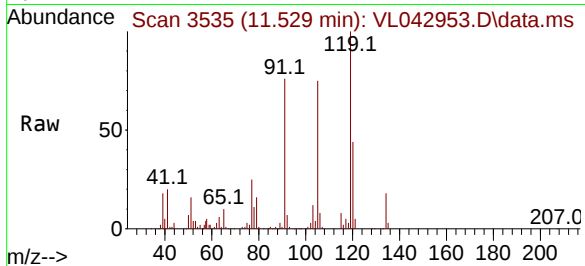




#65
tert-Butylbenzene
Concen: 0.535 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

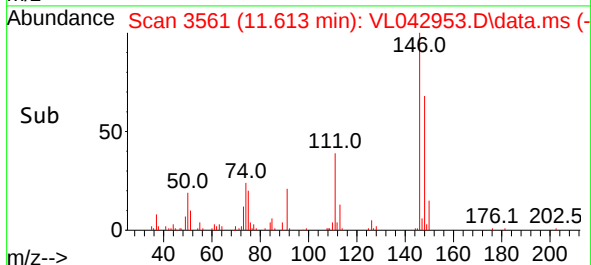
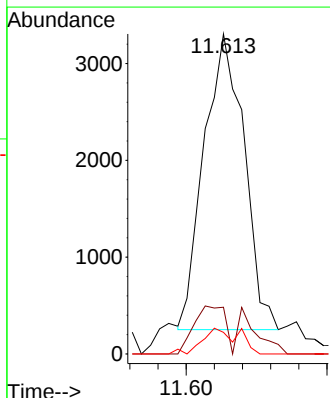
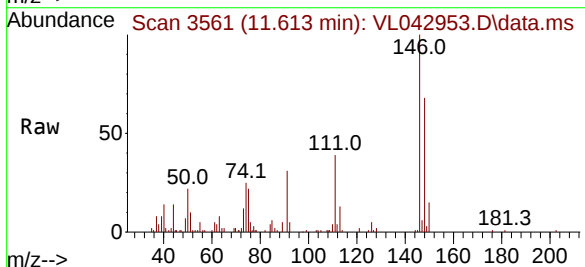
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

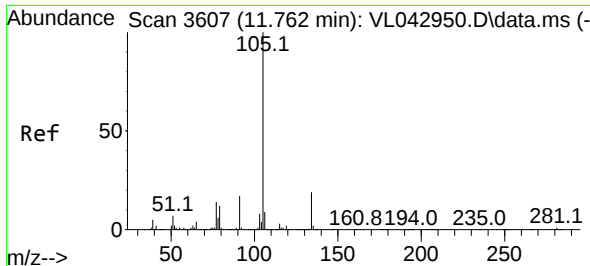
Tgt Ion:	119	Resp:	42595
Ion	Ratio	Lower	Upper
119	100		
91	77.7	63.1	94.7
134	20.9	17.0	25.6



#66
Benzyl Chloride
Concen: 0.362 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion:	91	Resp:	3022
Ion	Ratio	Lower	Upper
91	100		
126	20.0	14.6	21.8
128	8.0	5.0	7.4

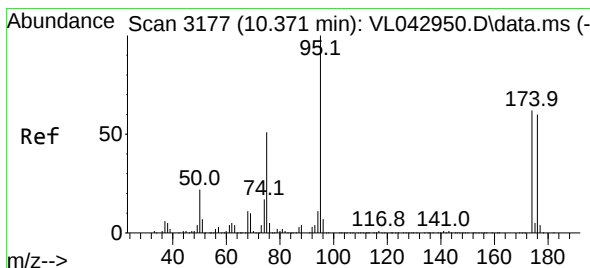
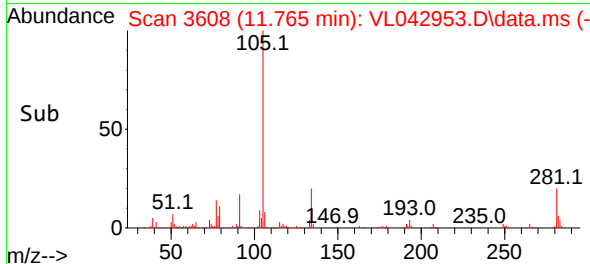
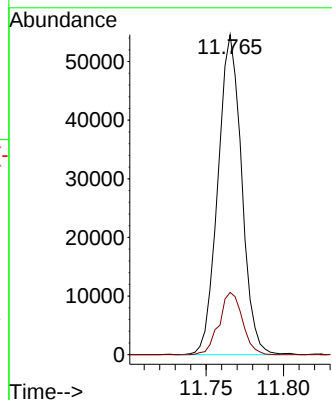
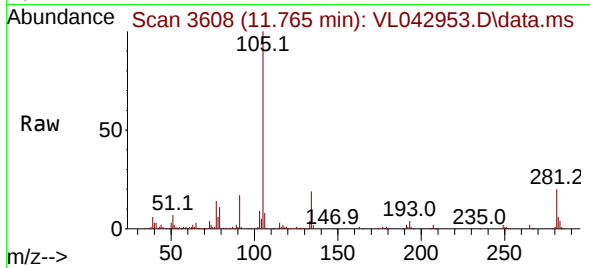




#67
 sec-Butylbenzene
 Concen: 0.525 ppbv
 RT: 11.765 min Scan# 3178
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

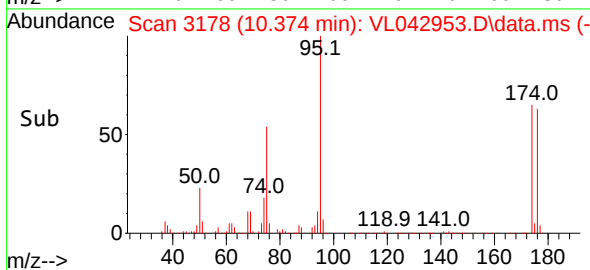
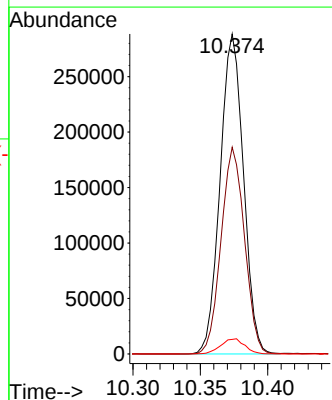
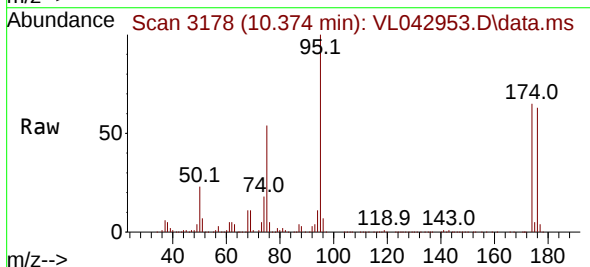
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

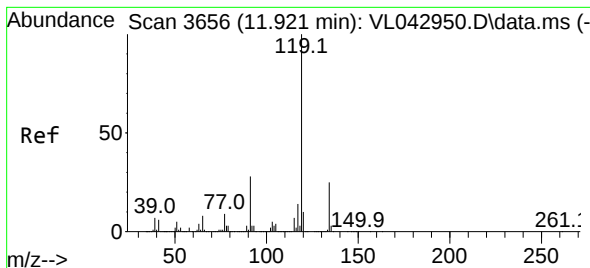
Tgt Ion:105 Resp: 58190
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.027 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 95 Resp: 347374
 Ion Ratio Lower Upper
 95 100
 174 65.0 51.4 77.2
 175 4.9 4.0 6.0

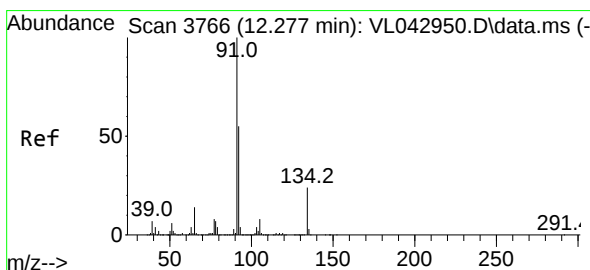
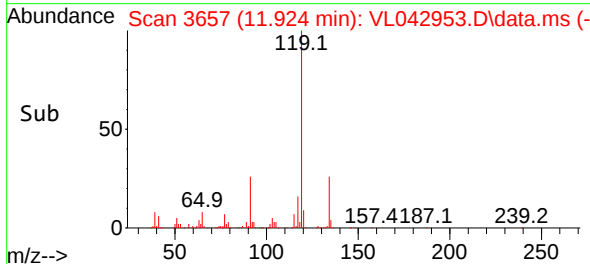
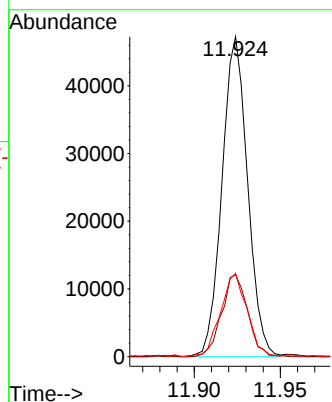
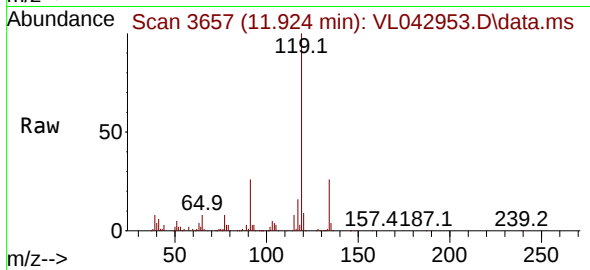




#69
 p-Isopropyltoluene
 Concen: 0.521 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

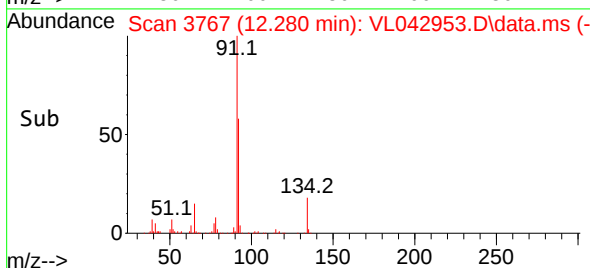
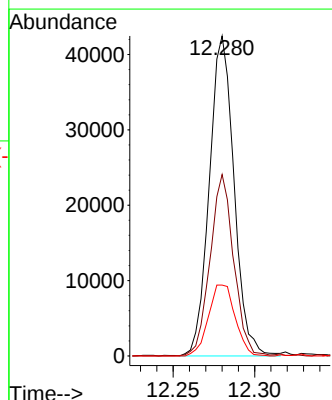
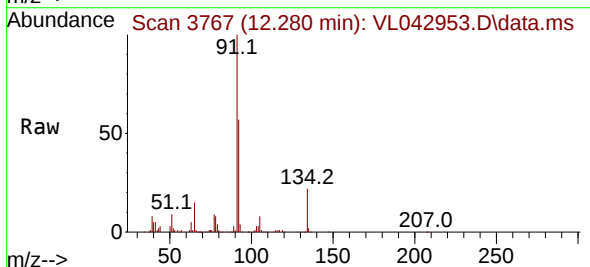
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

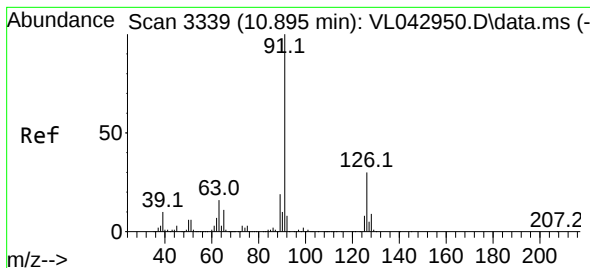
Tgt Ion:	119	Resp:	48855
Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.0	31.4
91	28.2	22.3	33.5



#70
 n-Butylbenzene
 Concen: 0.489 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion:	91	Resp:	44764
Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	24.4	19.4	29.2





#71

2-Chlorotoluene

Concen: 0.530 ppbv

RT: 10.898 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

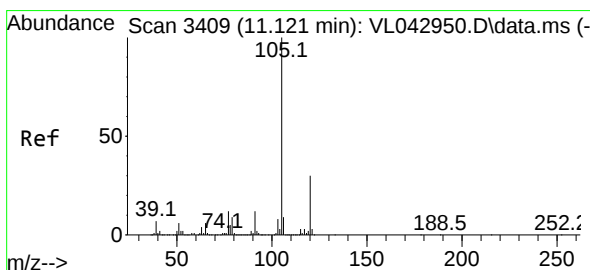
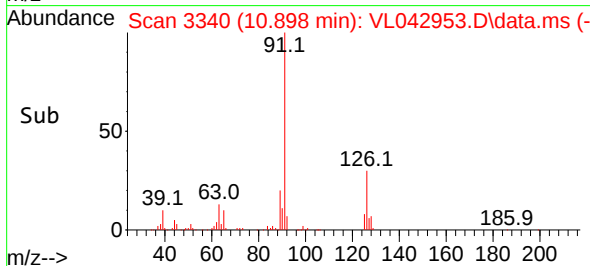
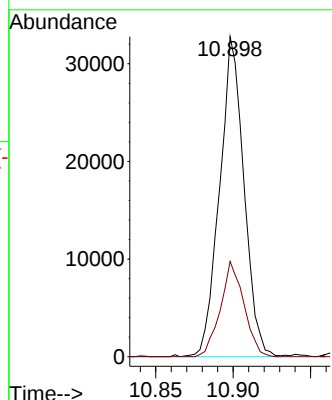
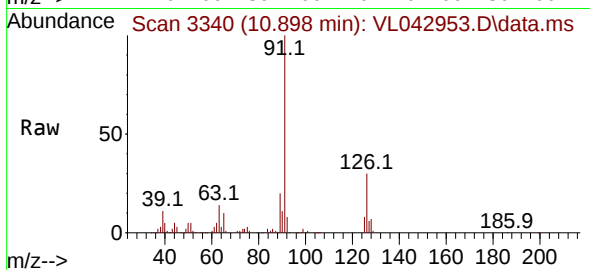
VSTDIC0.5

Tgt Ion: 91 Resp: 35797

Ion Ratio Lower Upper

91 100

126 28.7 12.3 49.3



#72

4-Ethyltoluene

Concen: 0.529 ppbv

RT: 11.125 min Scan# 3410

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion: 105 Resp: 39803

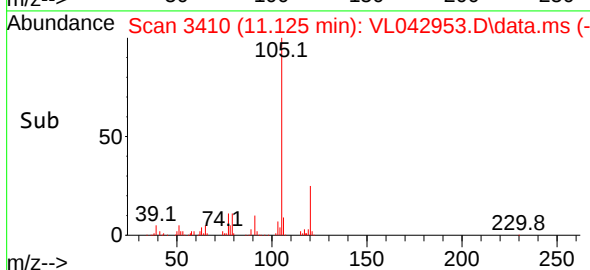
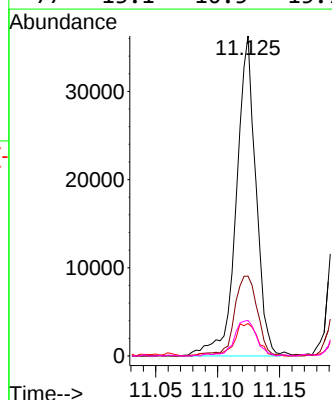
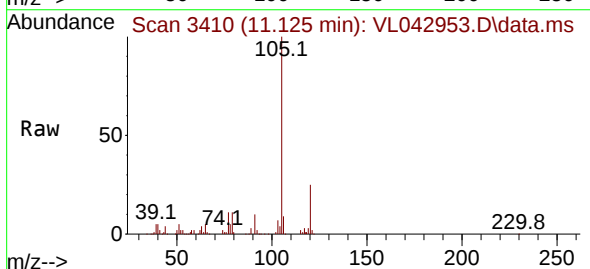
Ion Ratio Lower Upper

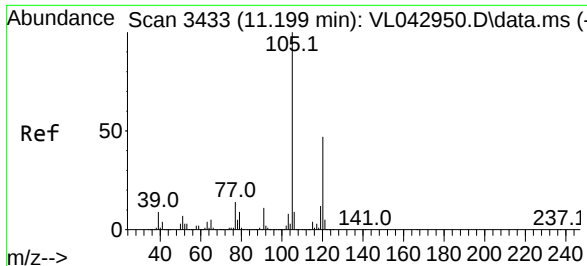
105 100

120 29.5 24.2 36.2

91 12.5 10.0 15.0

77 13.1 10.5 15.7

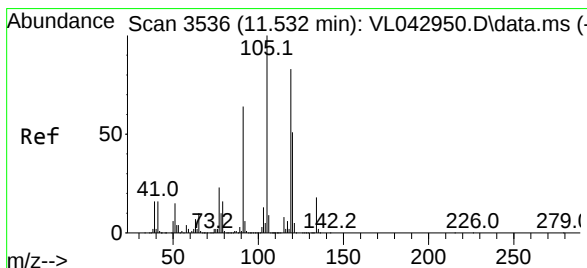
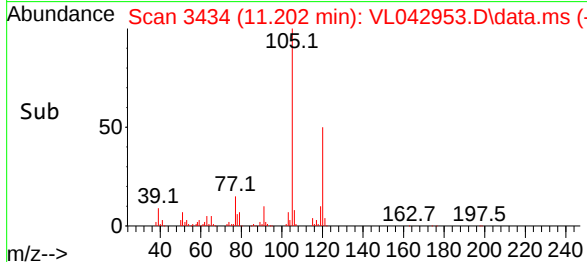
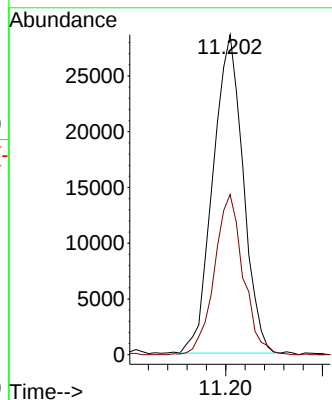
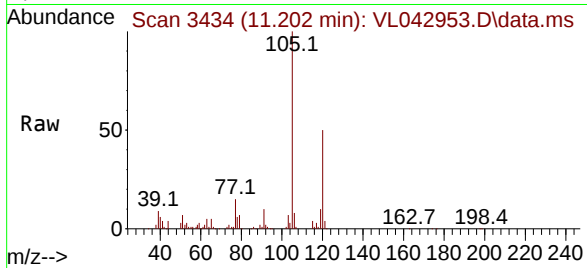




#73
1,3,5-Trimethylbenzene
Concen: 0.507 ppbv
RT: 11.202 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

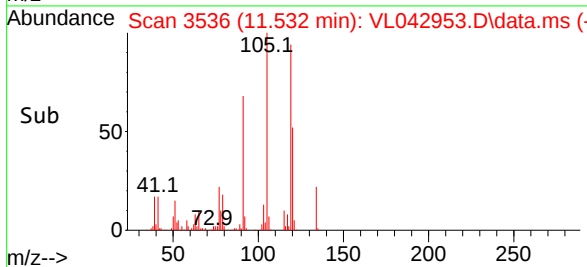
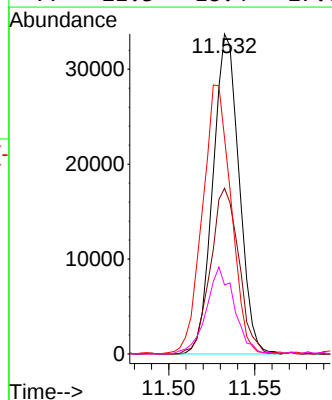
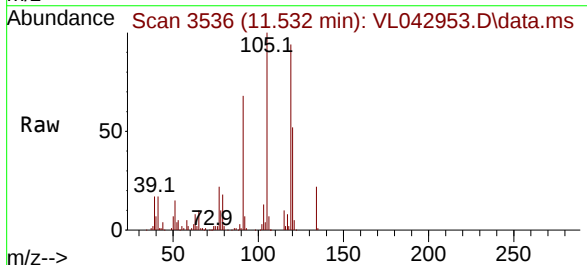
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

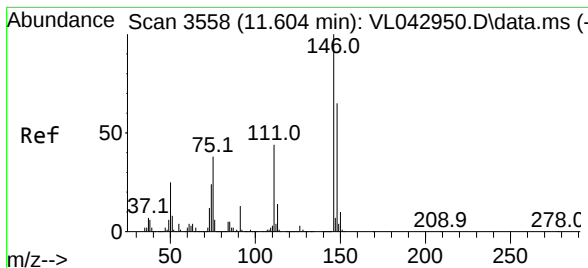
Tgt Ion:105 Resp: 30932
Ion Ratio Lower Upper
105 100
120 50.1 38.0 57.0



#74
1,2,4-Trimethylbenzene
Concen: 0.529 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion:105 Resp: 35601
Ion Ratio Lower Upper
105 100
120 51.8 40.9 61.3
91 66.9 51.2 76.8
77 21.3 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.510 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

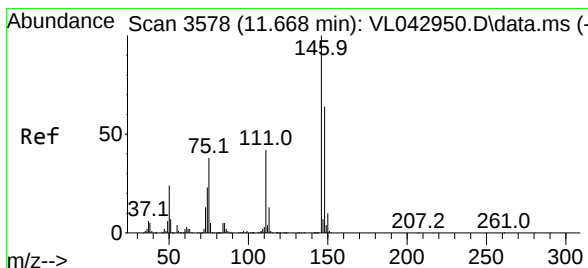
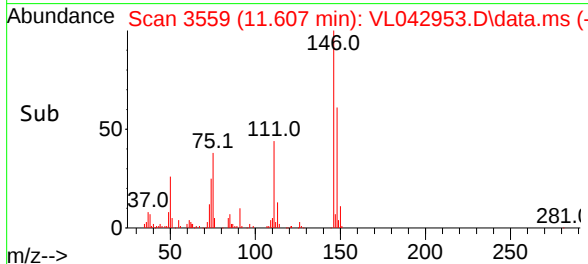
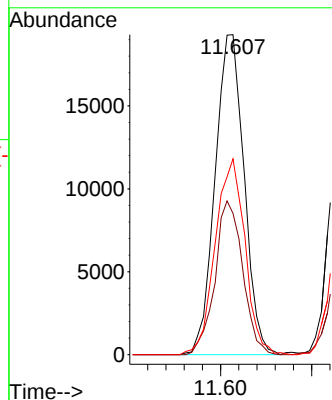
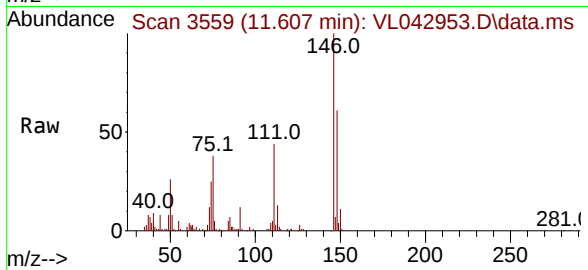
Tgt Ion:146 Resp: 21307

Ion Ratio Lower Upper

146 100

111 45.9 22.3 66.9

148 62.7 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.516 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

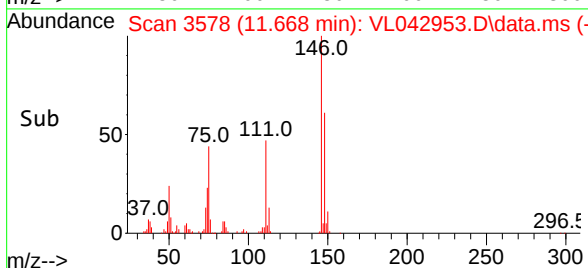
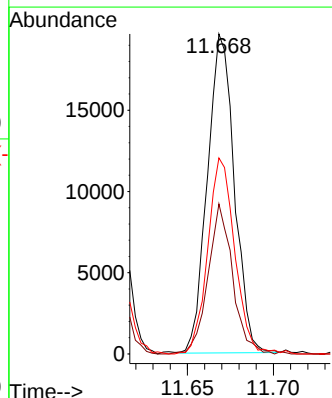
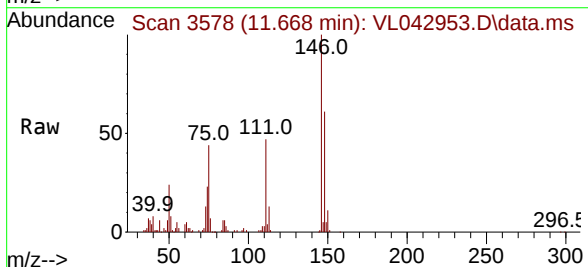
Tgt Ion:146 Resp: 21404

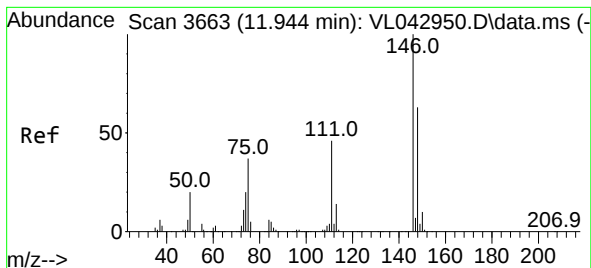
Ion Ratio Lower Upper

146 100

111 42.9 21.5 64.5

148 61.6 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.510 ppbv

RT: 11.943 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

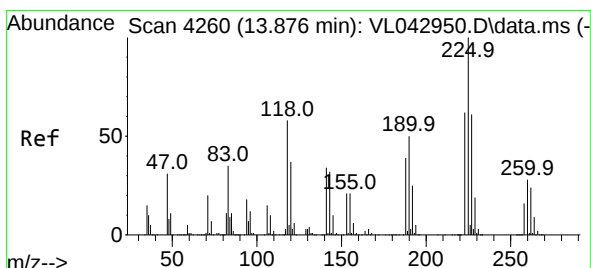
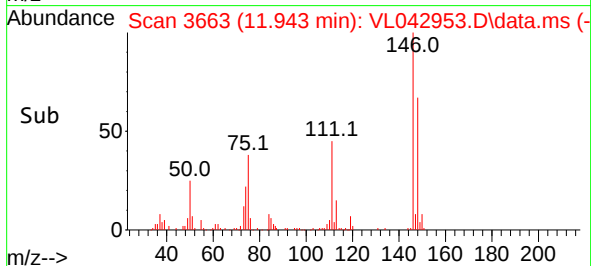
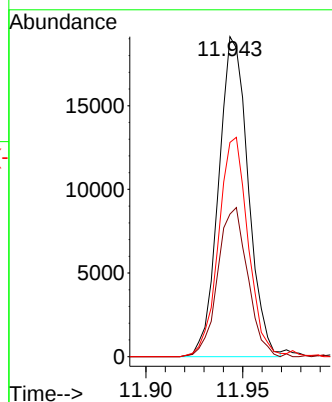
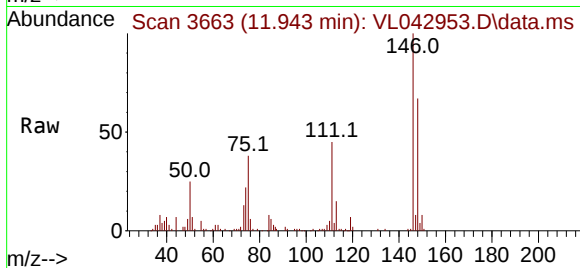
Tgt Ion:146 Resp: 20279

Ion Ratio Lower Upper

146 100

111 47.5 23.1 69.3

148 69.3 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.563 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

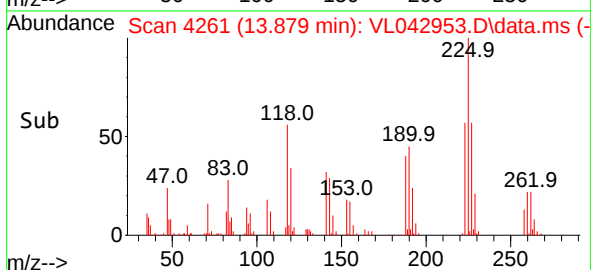
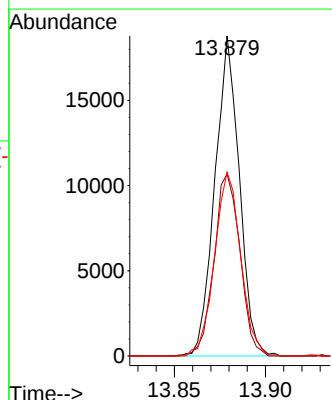
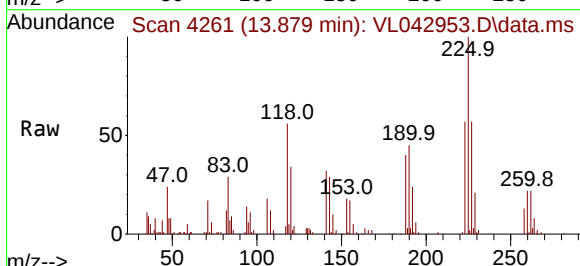
Tgt Ion:225 Resp: 17515

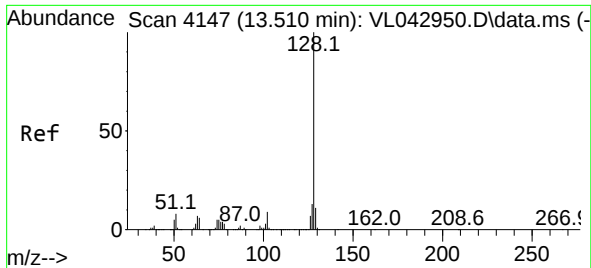
Ion Ratio Lower Upper

225 100

223 60.4 50.1 75.1

227 61.5 50.4 75.6

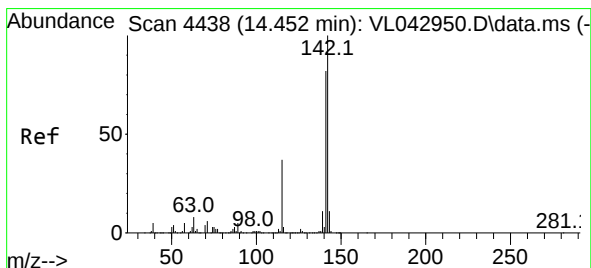
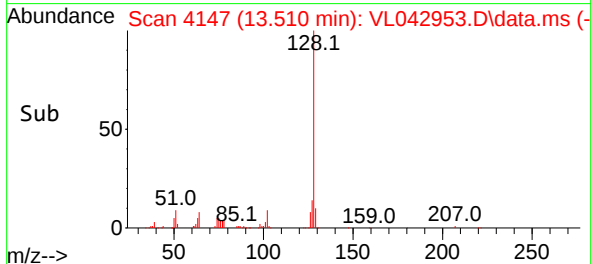
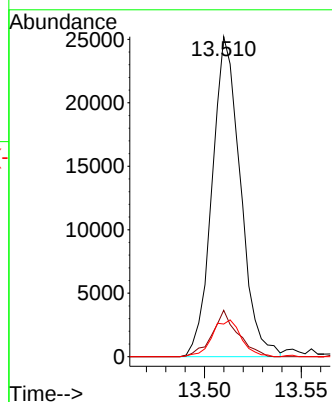
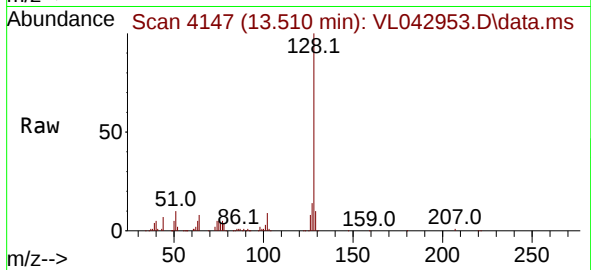




#79
Naphthalene
Concen: 0.429 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

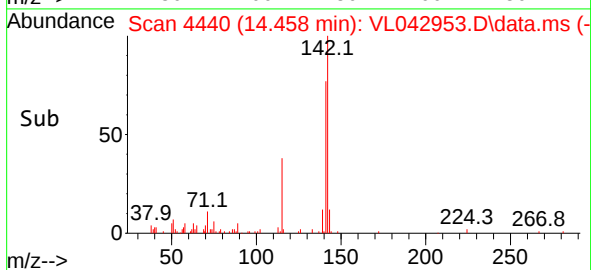
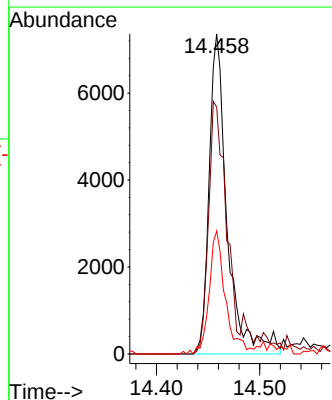
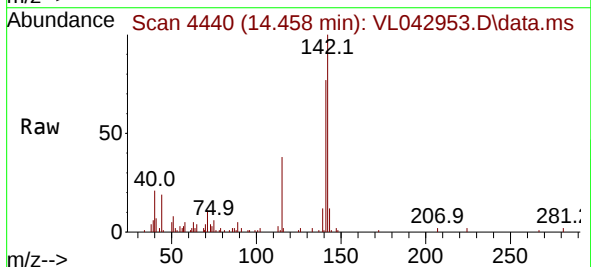
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

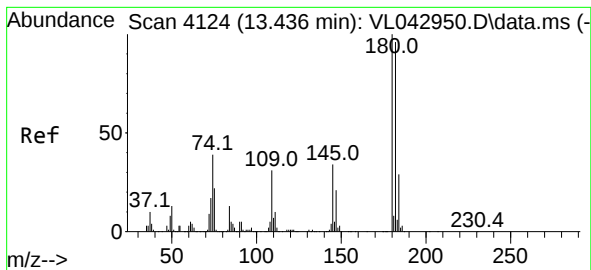
Tgt Ion:	128	Resp:	25577
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.6	15.8
129	10.2	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.484 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.006 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion:	142	Resp:	8906
Ion Ratio	Lower	Upper	
142	100		
141	91.9	65.1	97.7
115	35.4	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.406 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 12920
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.7 113.5
 184 32.6 23.9 35.9

