

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042954.D
 Acq On : 22 Sep 2025 11:56
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Sep 23 02:12:22 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	163771	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	498673	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	457171	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	337196	9.881	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2310	0.105	ppbv	93
3) Chlorodifluoromethane	1.476	51	3144	0.115	ppbv #	62
4) Chloromethane	1.534	50	1320	0.132	ppbv #	79
5) Vinyl Chloride	1.580	62	920	0.102	ppbv #	75
6) Bromomethane	1.667	94	471	0.148	ppbv	96
7) Chloroethane	1.703	64	442	0.126	ppbv #	56
8) Dichlorotetrafluoroethane	1.557	85	1978	0.105	ppbv	93
9) Propene	1.434	41	264	0.022	ppbv	93
10) Heptane	4.975	43	2270	0.071	ppbv #	29
11) Trichlorofluoromethane	2.143	101	1891	0.089	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	1891	0.110	ppbv	99
13) Ethanol	1.890	45	1961	1.713	ppbv	88
14) Bromoethene	1.784	108	613	0.094	ppbv #	1
15) Acetone	1.835	43	5111	0.240	ppbv #	82
16) 1,3-Butadiene	1.612	39	1753	0.174	ppbv	87
17) tert-Butyl alcohol	2.042	59	2596	0.111	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	1149	0.144	ppbv	77
19) Isopropyl Alcohol	1.890	45	1961	0.153	ppbv #	54
20) Methylene Chloride	2.065	84	3388	Below Cal	#	68
21) Allyl Chloride	2.098	41	2662	0.179	ppbv	91
22) trans-1,2-Dichloroethene	2.340	96	1199	0.133	ppbv	98
23) Vinyl Acetate	2.463	43	3599	0.118	ppbv #	76
24) 1,1-Dichloroethane	2.411	63	2202	0.124	ppbv #	97
25) Ethyl Acetate	2.842	43	6357	0.118	ppbv #	94
26) Hexane	2.829	57	2622	0.107	ppbv #	6
27) Carbon Disulfide	2.153	76	2391	0.108	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	1171	0.092	ppbv #	1
29) Chloroform	2.848	83	3449	0.107	ppbv	90
30) Cyclohexane	3.861	84	1880	0.092	ppbv #	42
31) cis-1,2-Dichloroethene	2.340	61	1780	0.077	ppbv	88
32) 1,1,1-Trichloroethane	3.370	97	3418	0.098	ppbv	96
34) 2-Butanone	2.564	43	4230	0.121	ppbv	98
35) Carbon Tetrachloride	3.764	117	2806	0.087	ppbv #	66
36) Benzene	3.654	78	2876	0.061	ppbv #	94
37) 1,2-Dichloroethane	3.221	62	2858	0.116	ppbv #	96
38) Trichloroethene	4.548	130	471	0.020	ppbv #	37
39) 1,2-Dichloropropane	3.959	63	123686	7.230	ppbv #	25
40) 1,4-Dioxane	4.612	88	732	0.092	ppbv #	34
41) Tetrahydrofuran	3.068	42	2075	0.103	ppbv #	79
42) Bromodichloromethane	4.489	83	3539	0.103	ppbv #	90
43) Methyl Methacrylate	4.878	69	589	0.031	ppbv #	1
44) 2,2,4-Trimethylpentane	4.635	57	4291	0.053	ppbv #	43
45) t-1,3-Dichloropropene	6.418	75	999	0.049	ppbv #	27

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
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 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Sep 23 02:12:22 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	5.596	75	1566	0.060	ppbv #	61
47) 1,1,2-Trichloroethane	6.583	97	1588	0.088	ppbv #	78
48) Dibromochloromethane	7.393	129	1273	0.044	ppbv #	10
49) Bromoform	9.487	173	2105	0.084	ppbv	97
50) 4-Methyl-2-Pentanone	5.742	43	104	0.002	ppbv #	39
51) 2-Hexanone	7.444	43	921	0.025	ppbv #	28
52) Tetrachloroethene	8.228	164	1022	0.056	ppbv #	68
53) Toluene	6.933	91	5973	0.108	ppbv	96
54) 1,2-Dibromoethane	7.655	107	2129	0.084	ppbv	81
56) 1,1,1,2-Tetrachloroethane	8.930	131	1250	0.057	ppbv #	1
57) Chlorobenzene	8.924	112	4812	0.115	ppbv #	75
58) Ethyl Benzene	9.354	91	8123	0.108	ppbv	97
59) m/p-Xylene	9.532	91	7134	0.120	ppbv #	100
60) o-Xylene	9.966	91	6052	0.102	ppbv	93
61) Styrene	9.878	104	2851	0.102	ppbv	91
62) Isopropylbenzene	10.542	105	9236	0.105	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	3301	0.106	ppbv	97
64) n-propylbenzene	10.989	120	2475	0.107	ppbv	95
65) tert-Butylbenzene	11.529	119	8306	0.106	ppbv	95
66) Benzyl Chloride	11.620	91	318	0.039	ppbv #	65
67) sec-Butylbenzene	11.769	105	11601	0.106	ppbv	95
69) p-Isopropyltoluene	11.927	119	9493	0.103	ppbv	98
70) n-Butylbenzene	12.283	91	8041	0.089	ppbv	96
71) 2-Chlorotoluene	10.898	91	4737	0.071	ppbv	73
72) 4-Ethyltoluene	11.124	105	7048	0.095	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.209	105	5976	0.099	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	6807	0.103	ppbv #	75
75) 1,3-Dichlorobenzene	11.607	146	4130	0.100	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	3832	0.094	ppbv	95
77) 1,2-Dichlorobenzene	11.950	146	4083	0.104	ppbv	96
78) Hexachloro-1,3-Butadiene	13.879	225	3820	0.125	ppbv	94
79) Naphthalene	13.516	128	4836	0.082	ppbv	96
80) Naphthalene,2-methyl-	14.461	142	4029	0.222	ppbv	90
81) 1,2,4-Trichlorobenzene	13.442	180	2055	0.066	ppbv	97

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

TIC: VL042954.D\data.ms

Abundance

Time-->

Propene, T

Bromochloromethane, I

1,2-Dibromopropane, IT

Chlorobenzene-d5, I

1-Bromo-4-Fluorobenzene, S

1,3-Dichloropropane, T

1,1,2-Trichloroethane, T

Toluene, T

1,2-Dibromoethane, T

Tetrachloroethene, T

Chlorobenzene, T

Ethyl Benzene, T

Styrene, T

Isopropylbenzene

2-Chlorotoluene

1,3-Dichlorobenzene, T

1,2-Dichlorobenzene, T

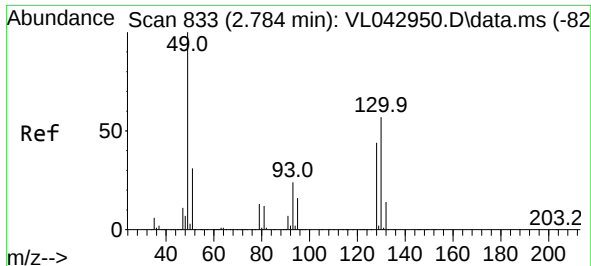
1,2-Dibromobenzene, T

n-Butylbenzene

Naphthalene, T

Hexachloro-1,3-Butadiene, T

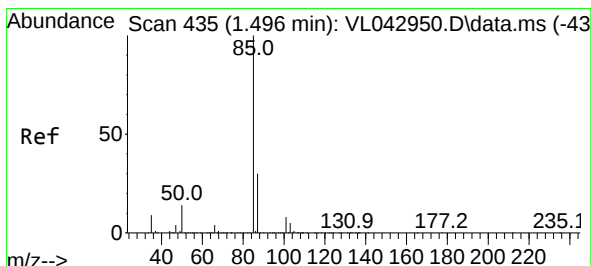
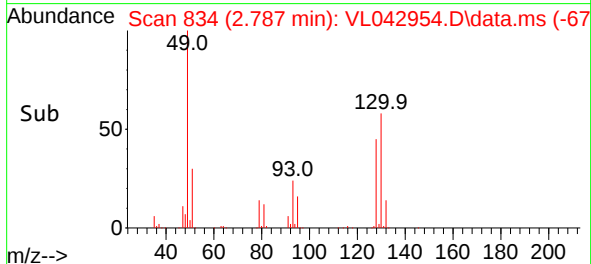
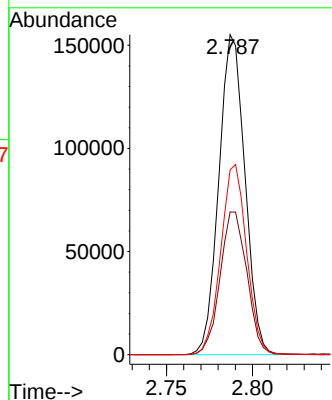
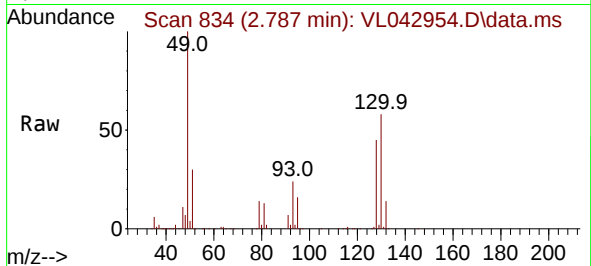
Naphthalene, 2-methyl-, T



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

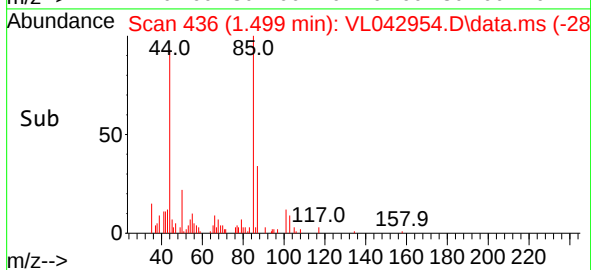
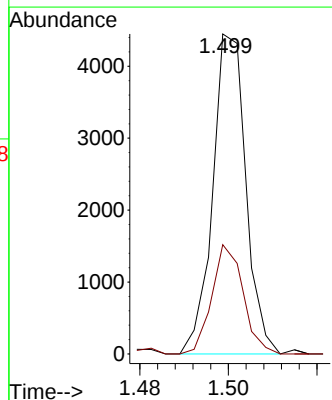
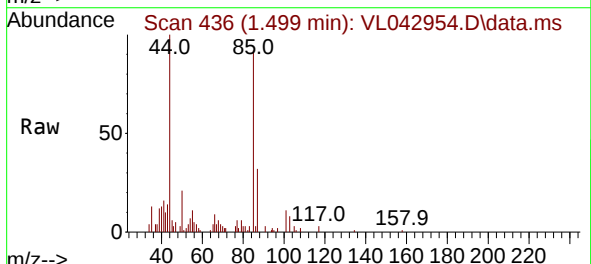
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

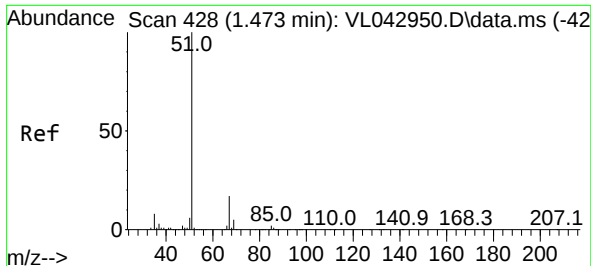
Tgt Ion: 49 Resp: 163771
Ion Ratio Lower Upper
49 100
128 45.9 22.9 68.8
130 59.0 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.105 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 85 Resp: 2310
Ion Ratio Lower Upper
85 100
87 34.2 24.3 36.5





#3

Chlorodifluoromethane

Concen: 0.115 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

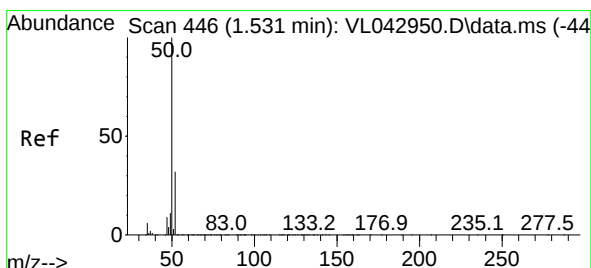
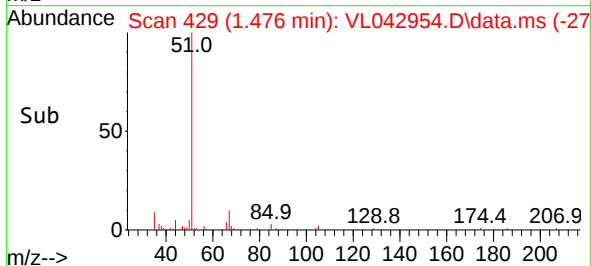
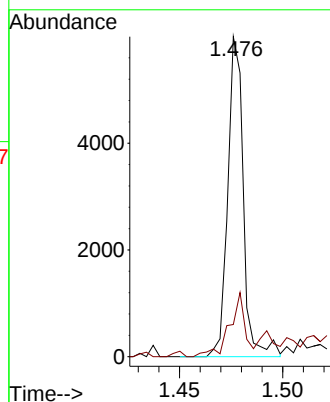
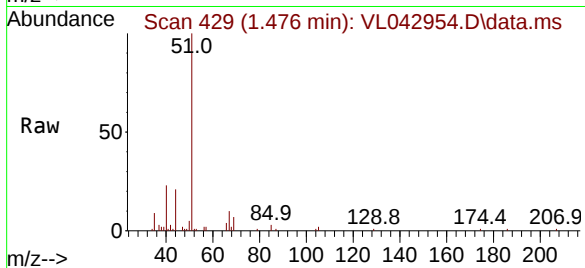
VSTDIC0.1

Tgt Ion: 51 Resp: 3144

Ion Ratio Lower Upper

51 100

67 33.8 13.8 20.8#



#4

Chloromethane

Concen: 0.132 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL042954.D

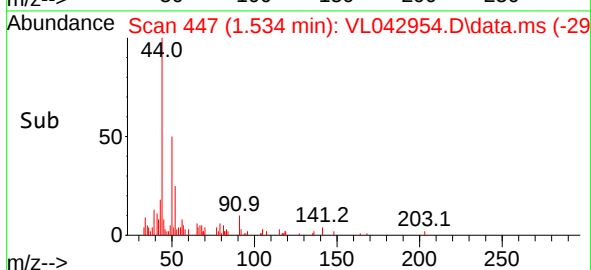
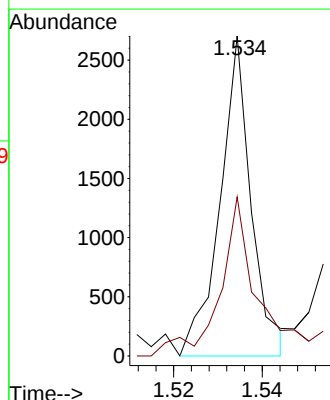
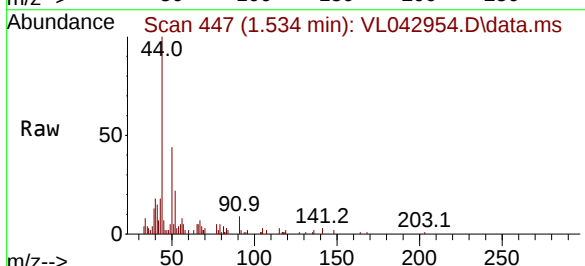
Acq: 22 Sep 2025 11:56

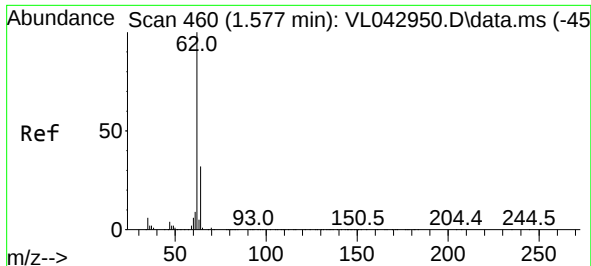
Tgt Ion: 50 Resp: 1320

Ion Ratio Lower Upper

50 100

52 43.9 25.9 38.9#

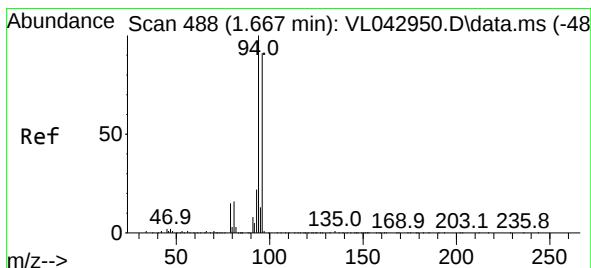
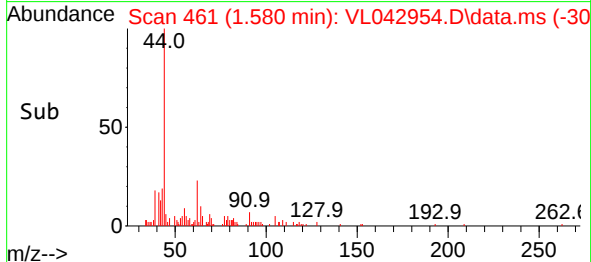
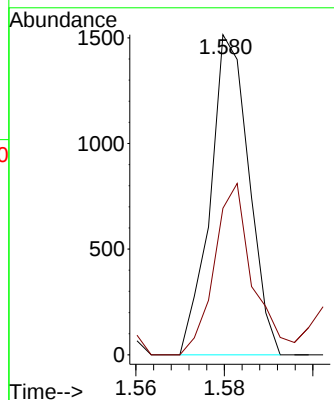
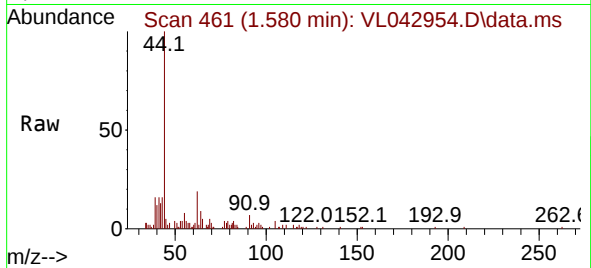




#5
 Vinyl Chloride
 Concen: 0.102 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

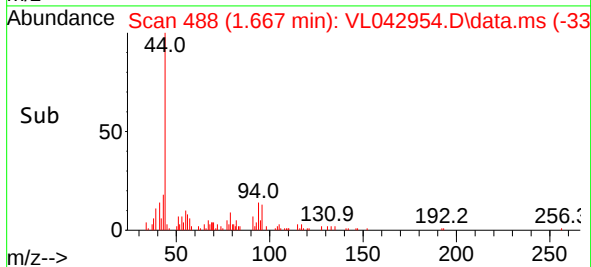
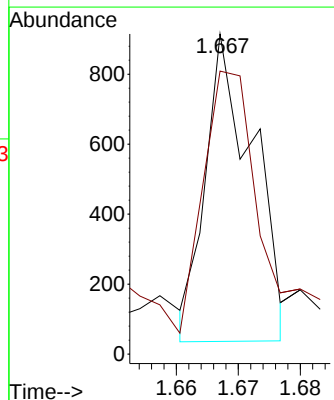
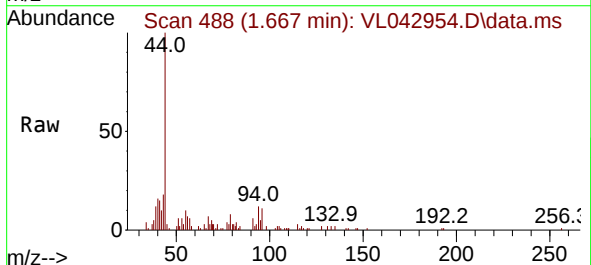
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

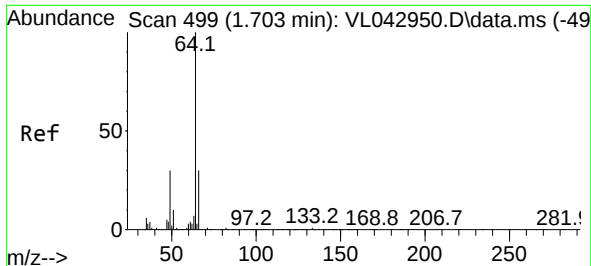
Tgt Ion: 62 Resp: 920
 Ion Ratio Lower Upper
 62 100
 64 45.7 25.4 38.2#



#6
 Bromomethane
 Concen: 0.148 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion: 94 Resp: 471
 Ion Ratio Lower Upper
 94 100
 96 94.8 72.6 108.8

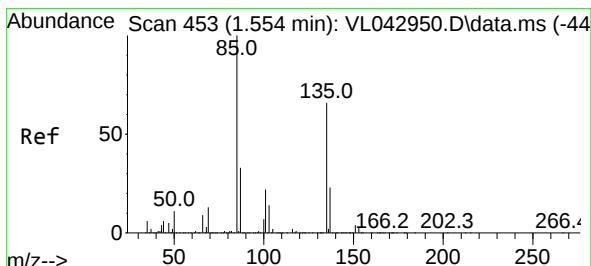
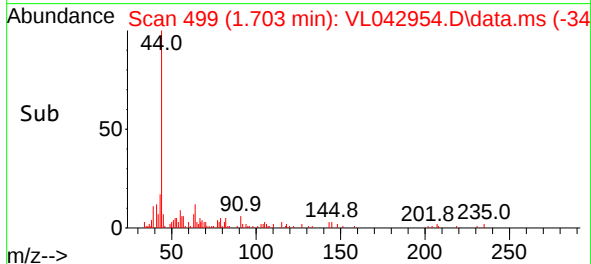
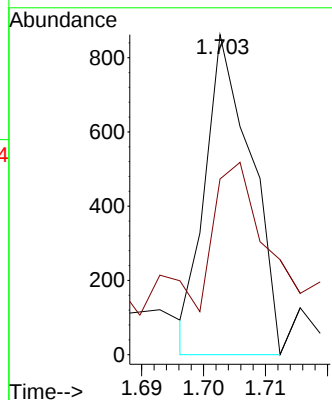
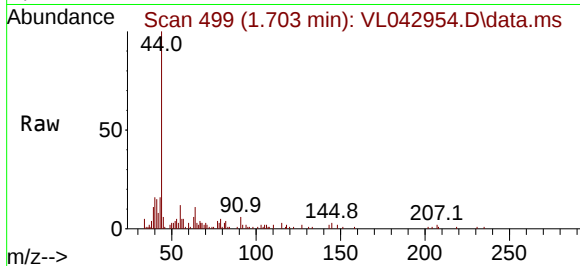




#7
Chloroethane
Concen: 0.126 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

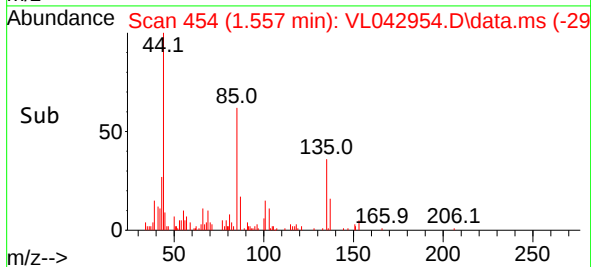
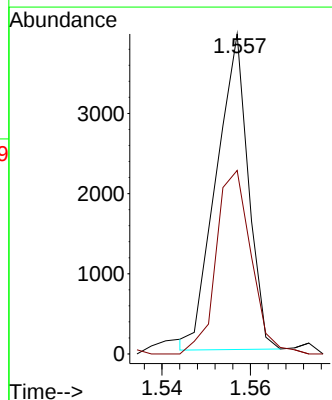
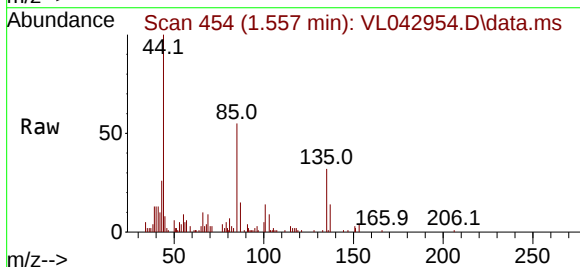
Instrument :
MSVOA_1
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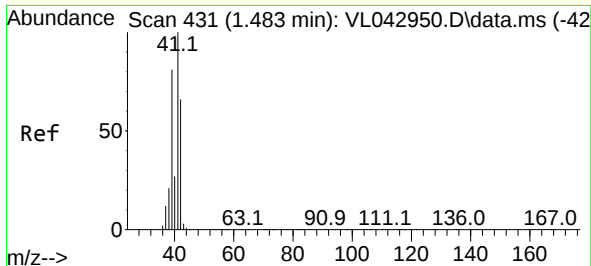
Tgt Ion: 64 Resp: 442
Ion Ratio Lower Upper
64 100
66 54.9 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.105 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 85 Resp: 1978
Ion Ratio Lower Upper
85 100
135 67.7 49.7 74.5

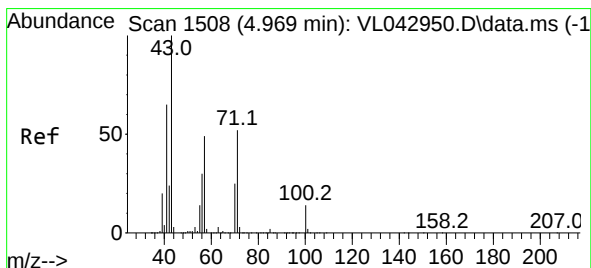
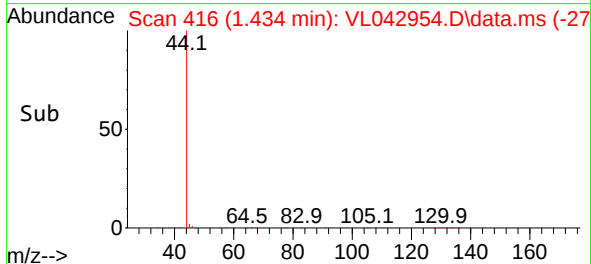
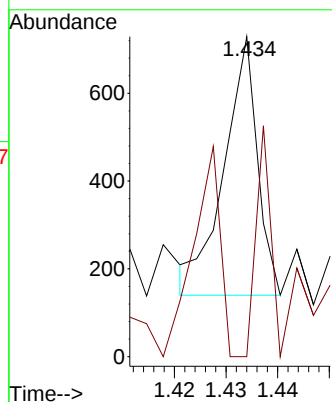
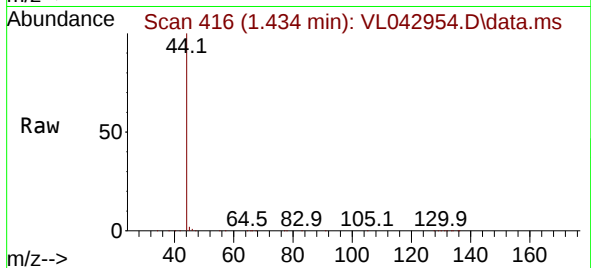




#9
Propene
Concen: 0.022 ppbv
RT: 1.434 min Scan# 41
Delta R.T. -0.049 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

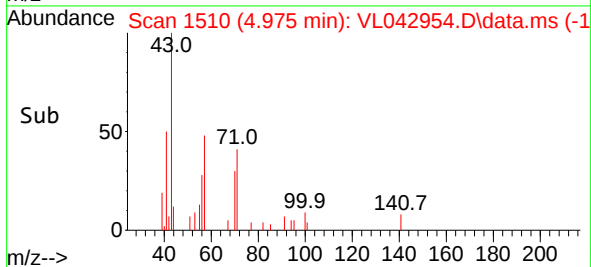
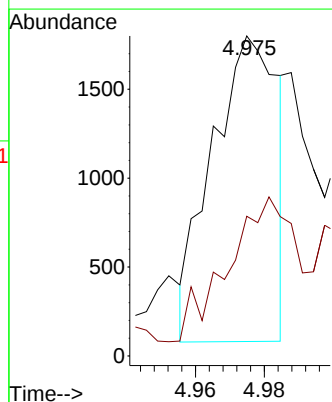
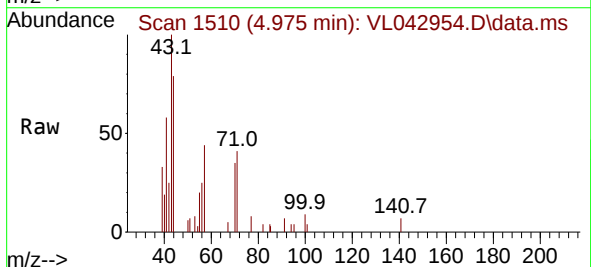
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

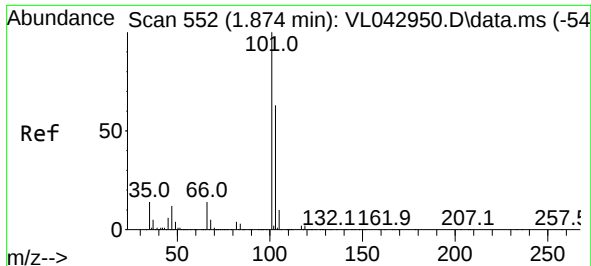
Tgt Ion: 41 Resp: 264
Ion Ratio Lower Upper
41 100
42 77.3 57.4 86.2



#10
Heptane
Concen: 0.071 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 43 Resp: 2270
Ion Ratio Lower Upper
43 100
57 0.0 38.6 57.8#

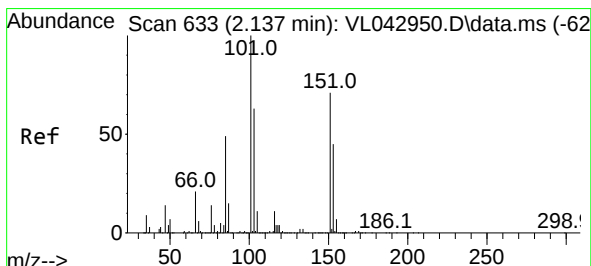
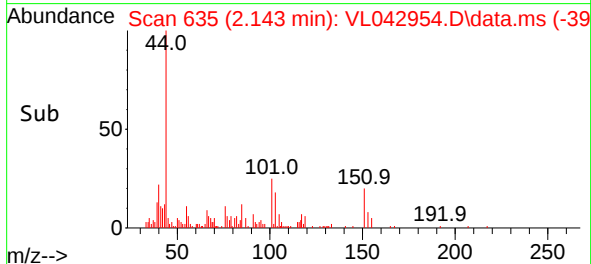
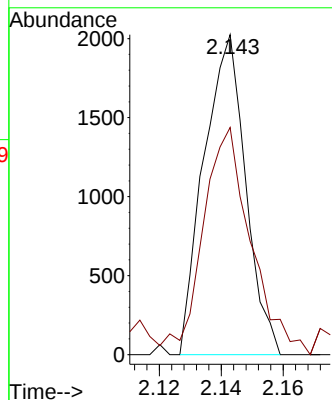
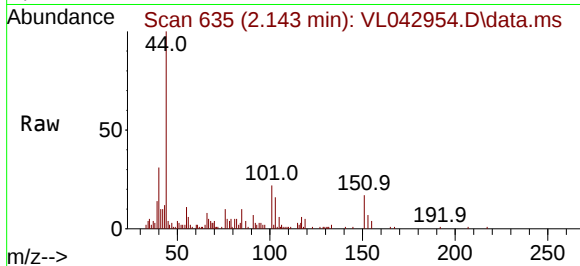




#11
Trichlorofluoromethane
Concen: 0.089 ppbv
RT: 2.143 min Scan# 61
Delta R.T. 0.268 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

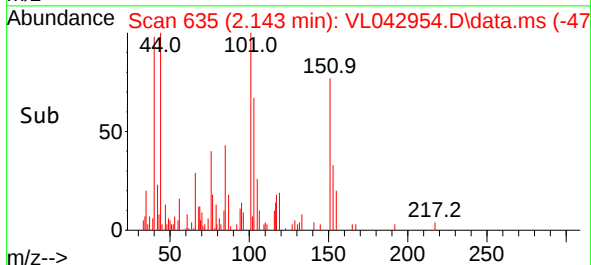
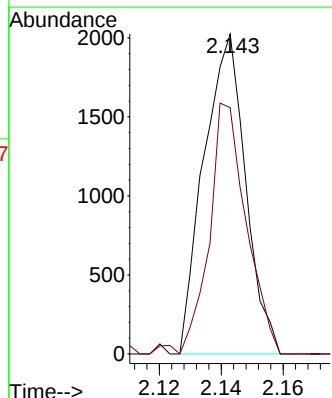
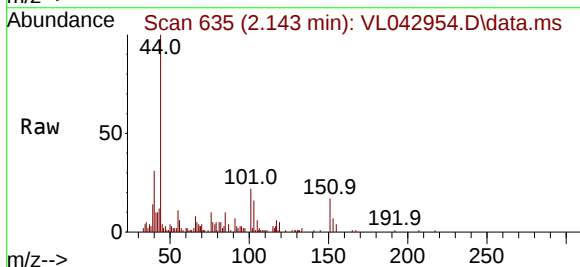
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

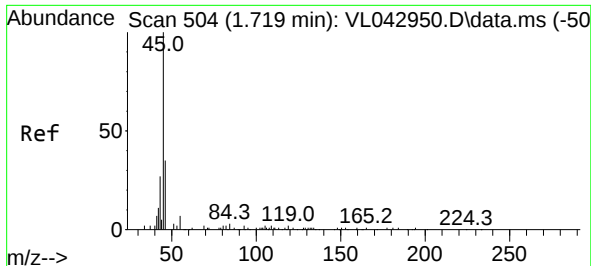
Tgt Ion:101 Resp: 1891
Ion Ratio Lower Upper
101 100
103 66.6 50.1 75.1



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.110 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:101 Resp: 1891
Ion Ratio Lower Upper
101 100
151 70.7 55.7 83.5

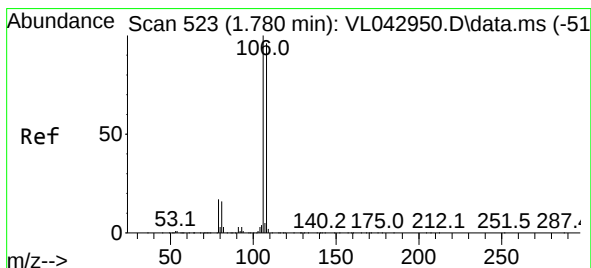
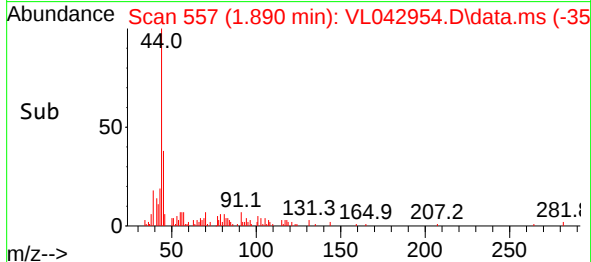
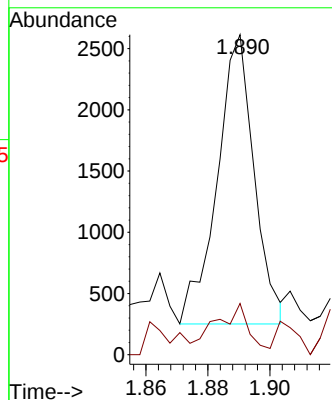
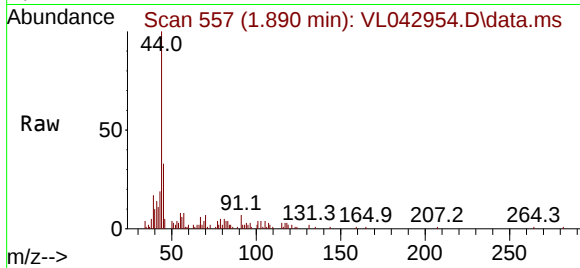




#13
 Ethanol
 Concen: 1.713 ppbv
 RT: 1.890 min Scan# 51
 Delta R.T. 0.171 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

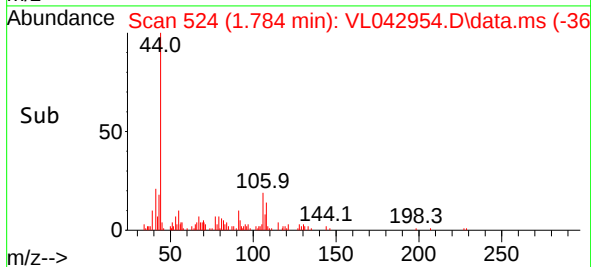
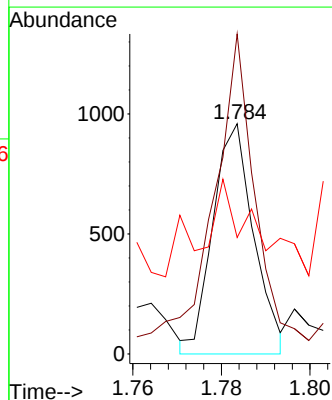
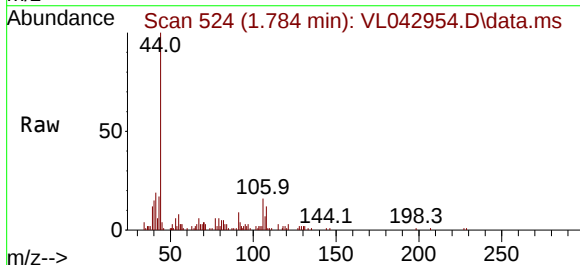
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

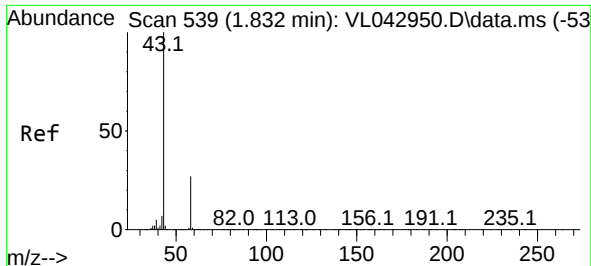
Tgt Ion: 45 Resp: 1961
 Ion Ratio Lower Upper
 45 100
 46 32.8 16.2 64.6



#14
 Bromoethene
 Concen: 0.094 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion: 108 Resp: 613
 Ion Ratio Lower Upper
 108 100
 106 175.9 86.0 129.0#
 79 154.5 14.2 21.2#

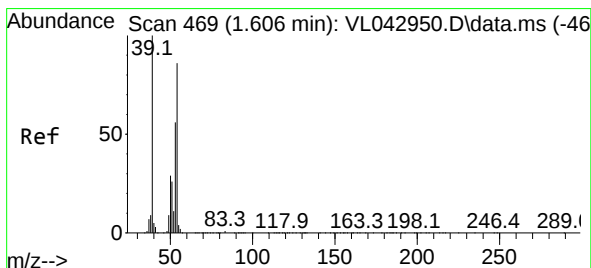
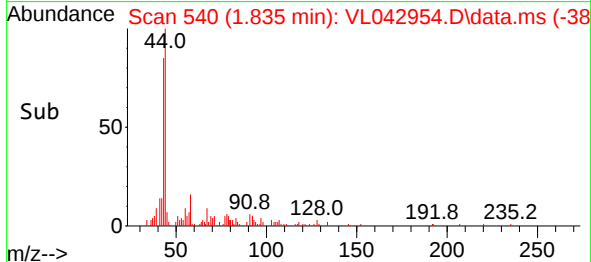
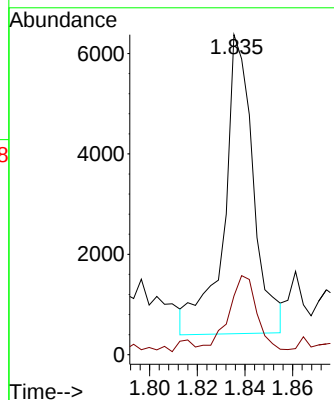
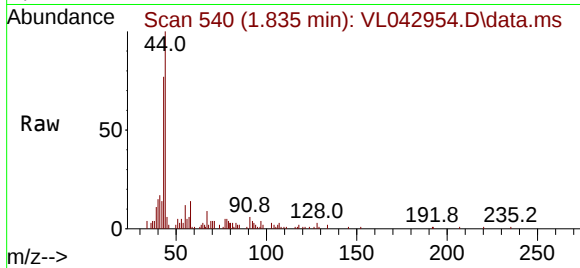




#15
Acetone
Concen: 0.240 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

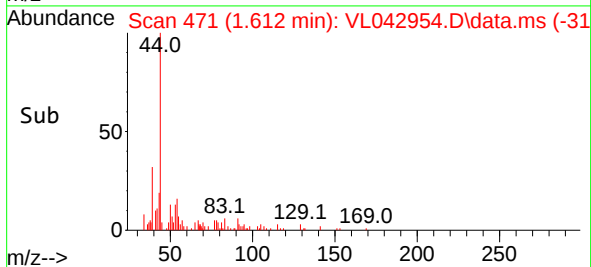
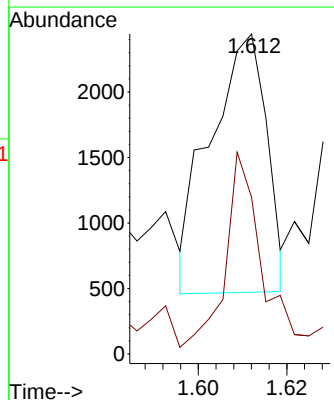
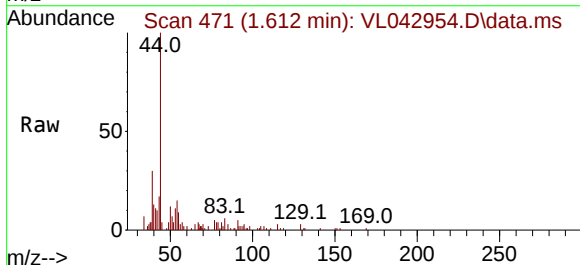
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

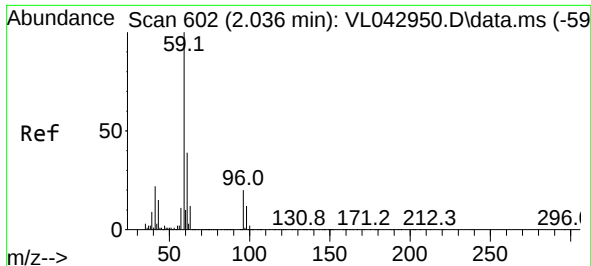
Tgt Ion: 43 Resp: 5111
Ion Ratio Lower Upper
43 100
58 37.2 22.3 33.5#



#16
1,3-Butadiene
Concen: 0.174 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 39 Resp: 1753
Ion Ratio Lower Upper
39 100
54 87.3 60.8 91.2

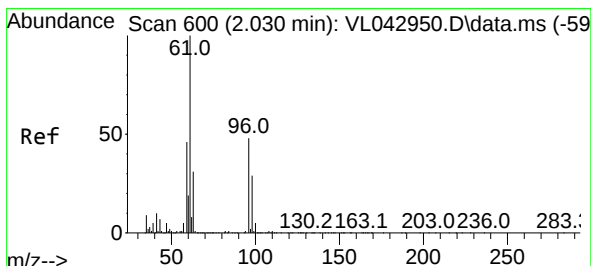
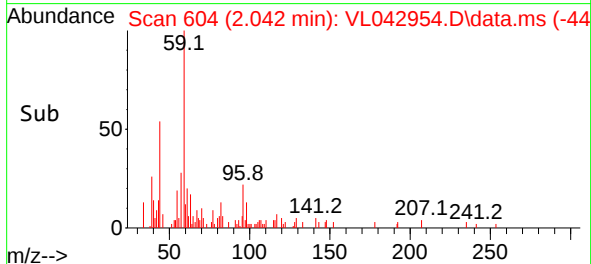
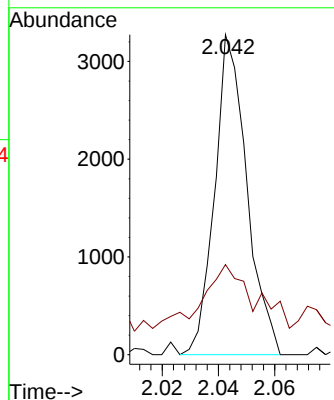
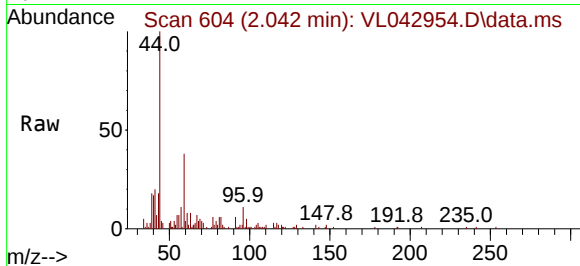




#17
tert-Butyl alcohol
Concen: 0.111 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

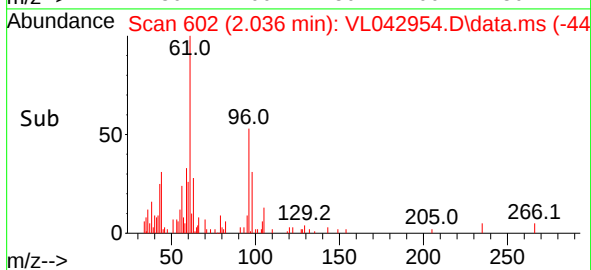
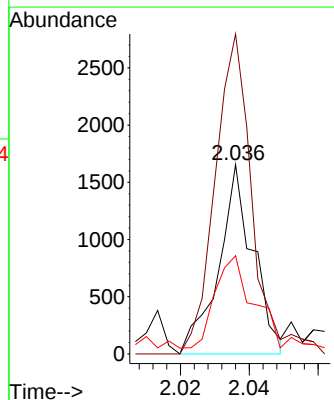
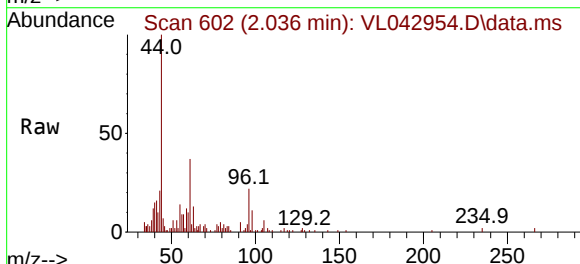
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

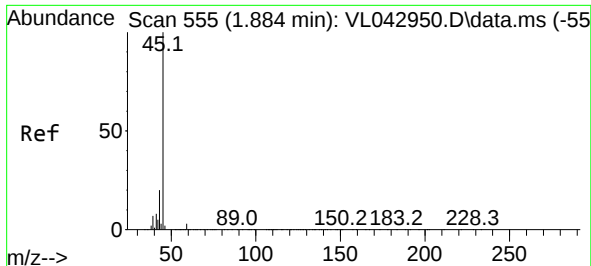
Tgt Ion: 59 Resp: 2596
Ion Ratio Lower Upper
59 100
57 66.0 8.6 12.8#



#18
1,1-Dichloroethene
Concen: 0.144 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 96 Resp: 1149
Ion Ratio Lower Upper
96 100
61 169.0 166.2 249.4
98 48.7 48.6 73.0

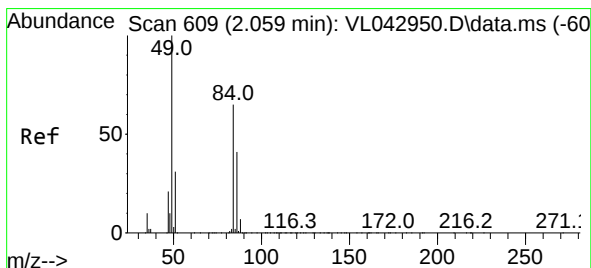
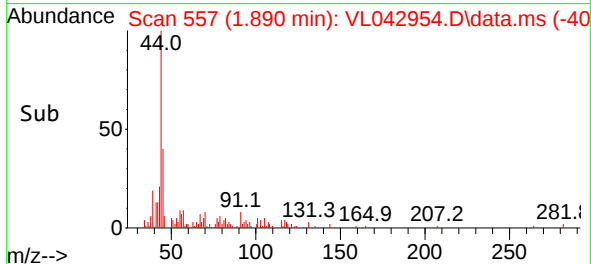
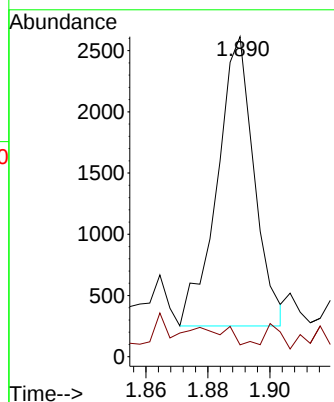
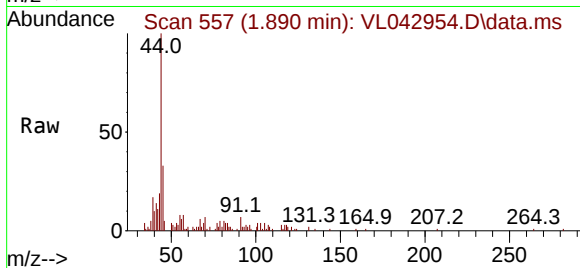




#19
Isopropyl Alcohol
Concen: 0.153 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

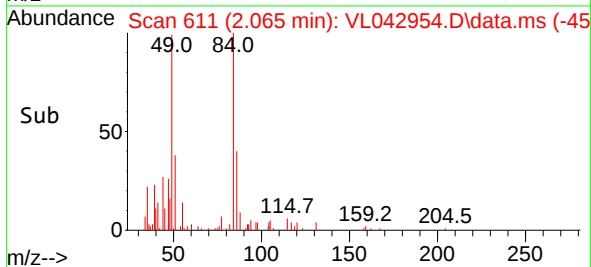
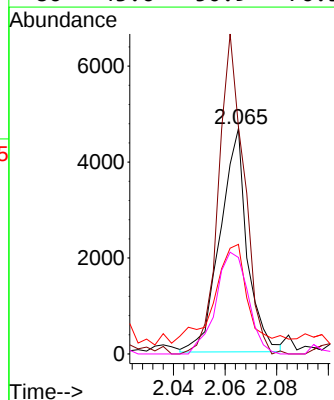
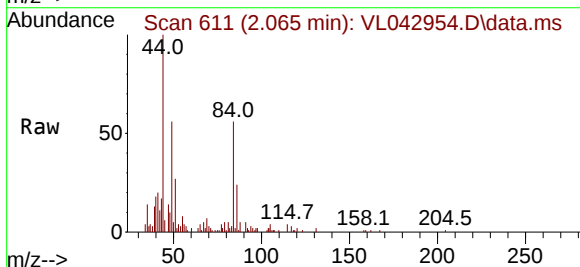
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

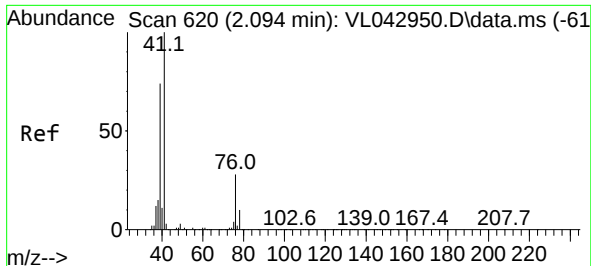
Tgt Ion: 45 Resp: 1961
Ion Ratio Lower Upper
45 100
58 10.5 31.0 46.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 84 Resp: 3388
Ion Ratio Lower Upper
84 100
49 102.8 124.1 186.1#
51 41.6 39.8 59.8
86 43.6 50.9 76.3#

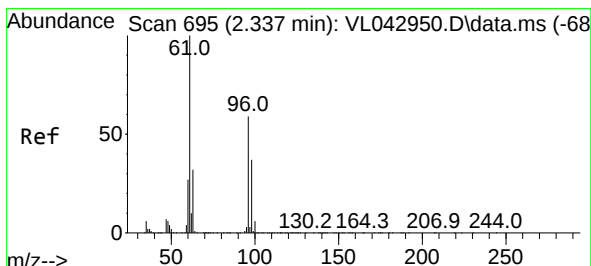
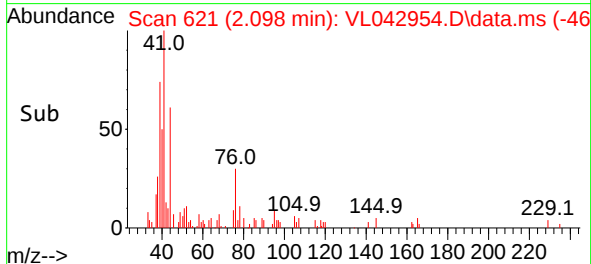
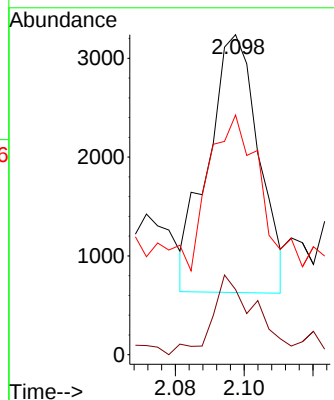
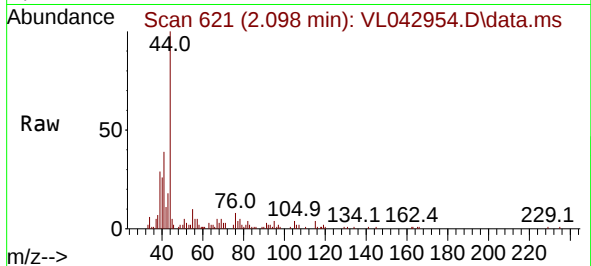




#21
Allyl Chloride
Concen: 0.179 ppbv
RT: 2.098 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

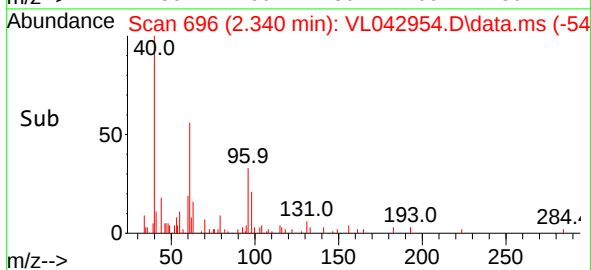
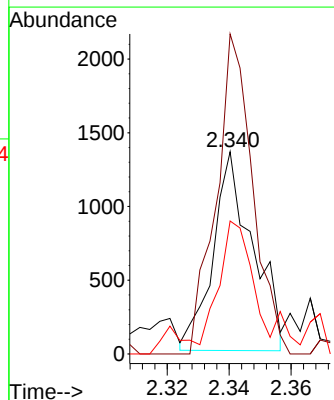
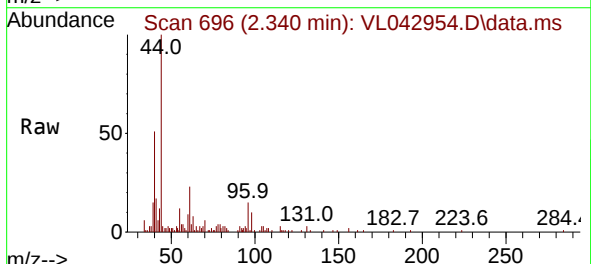
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

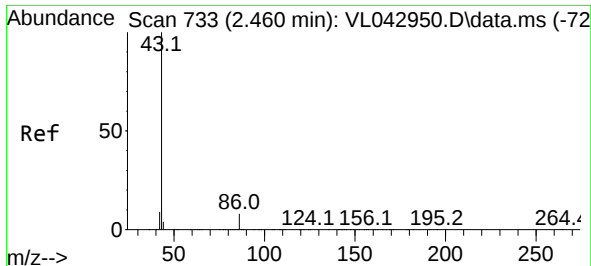
Tgt Ion: 41 Resp: 2662
Ion Ratio Lower Upper
41 100
76 32.2 22.3 33.5
39 68.1 61.3 91.9



#22
trans-1,2-Dichloroethene
Concen: 0.133 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 96 Resp: 1199
Ion Ratio Lower Upper
96 100
61 167.4 136.5 204.7
98 62.5 50.6 76.0

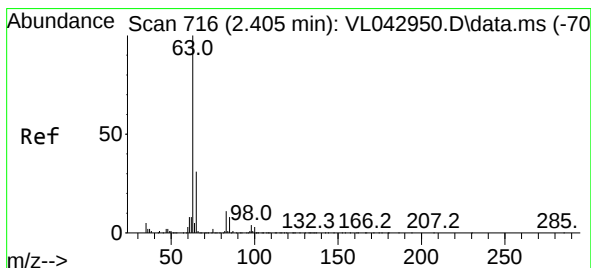
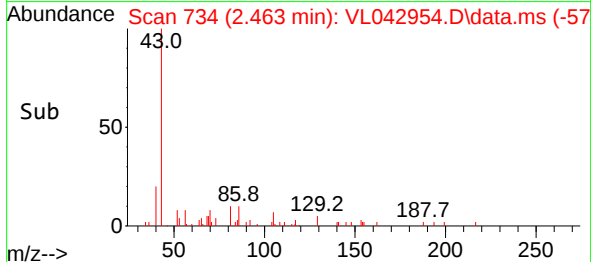
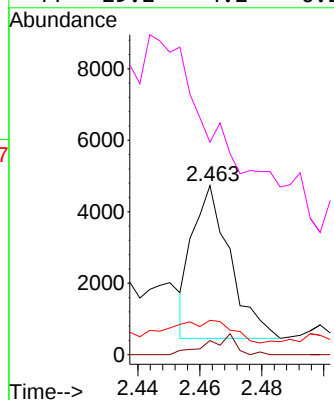
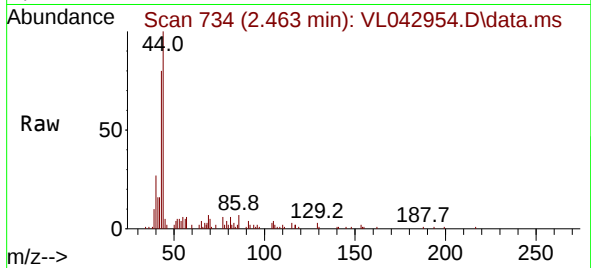




#23
 Vinyl Acetate
 Concen: 0.118 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

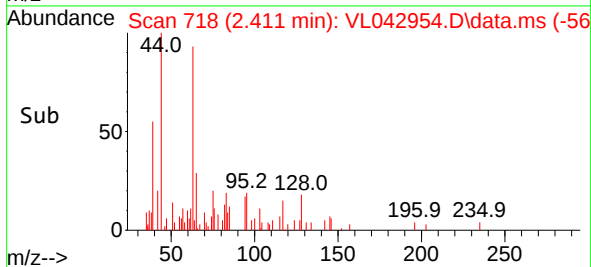
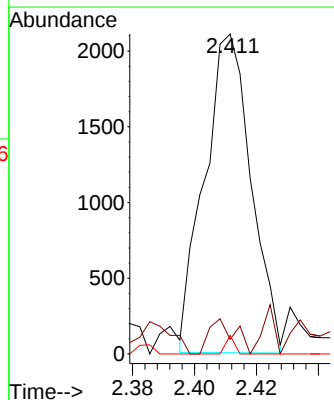
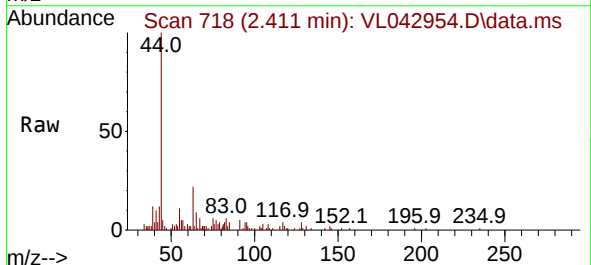
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

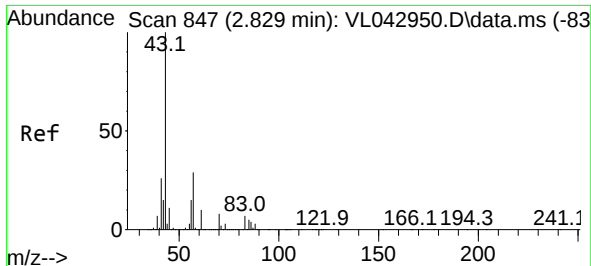
Tgt Ion:	43	Resp:	3599
Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	14.0	7.4	11.0#
44	29.2	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.124 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion:	63	Resp:	2202
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.2	6.6
100	5.5	1.4	4.0#

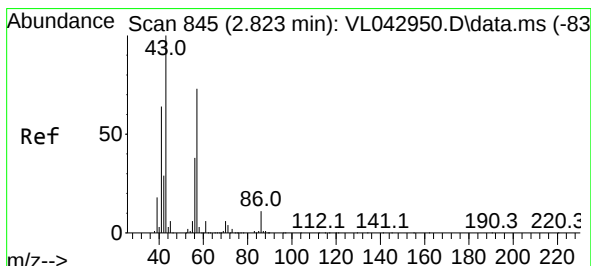
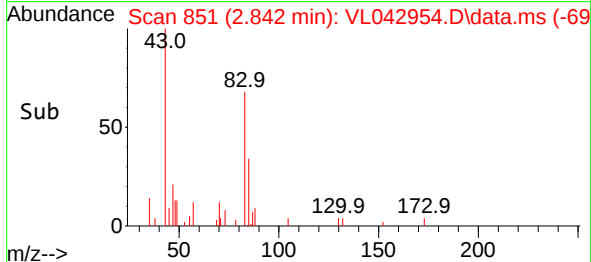
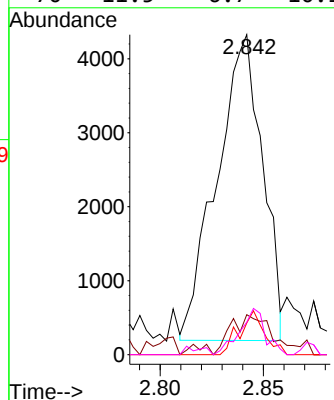
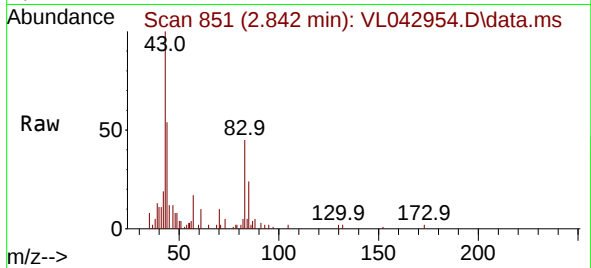




#25
Ethyl Acetate
Concen: 0.118 ppbv
RT: 2.842 min Scan# 847
Delta R.T. 0.013 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

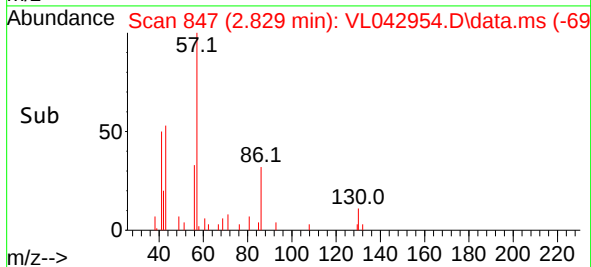
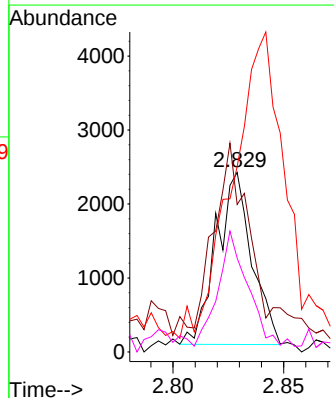
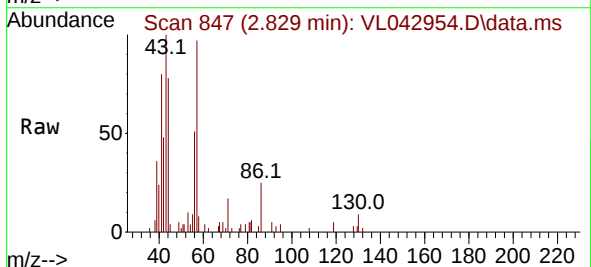
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

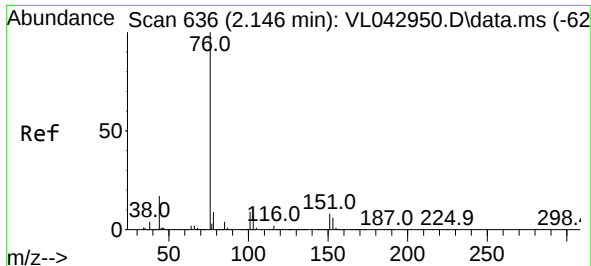
Tgt Ion: 43 Resp: 6357
Ion Ratio Lower Upper
43 100
45 12.5 7.7 11.5#
61 7.8 7.1 10.7
70 11.5 6.7 10.1#



#26
Hexane
Concen: 0.107 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 57 Resp: 2622
Ion Ratio Lower Upper
57 100
41 118.9 71.7 107.5#
43 0.0 180.8 271.2#
56 56.8 41.4 62.0





#27

Carbon Disulfide

Concen: 0.108 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

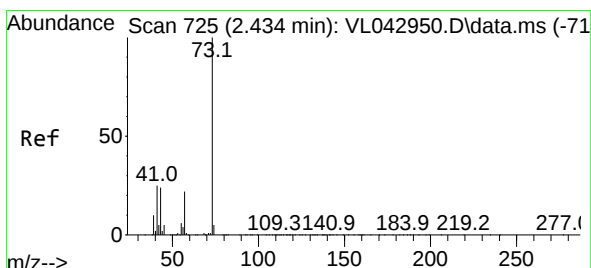
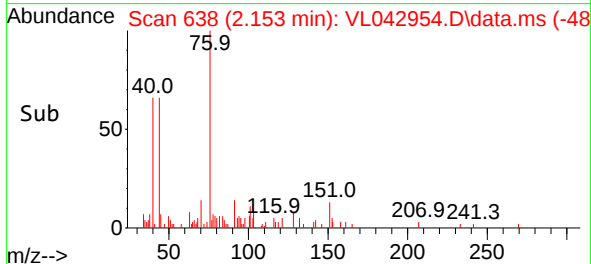
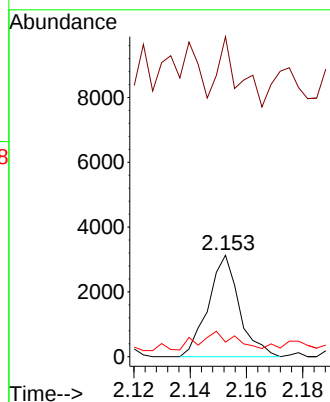
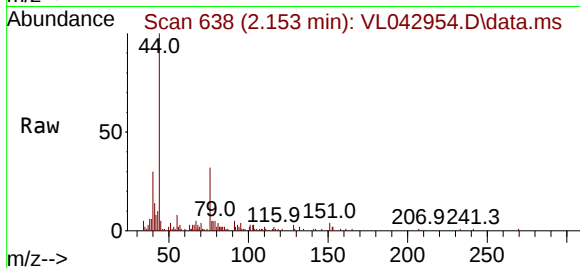
Tgt Ion: 76 Resp: 2391

Ion Ratio Lower Upper

76 100

44 352.2 15.6 23.4#

78 59.1 8.9 13.3#



#28

Methyl tert-Butyl Ether

Concen: 0.092 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.010 min

Lab File: VL042954.D

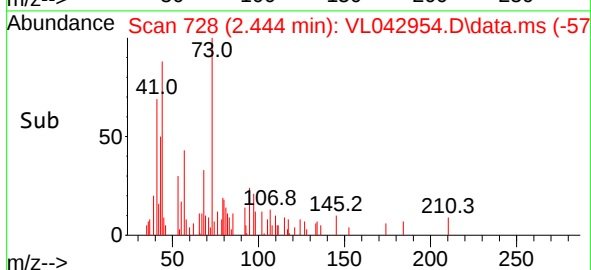
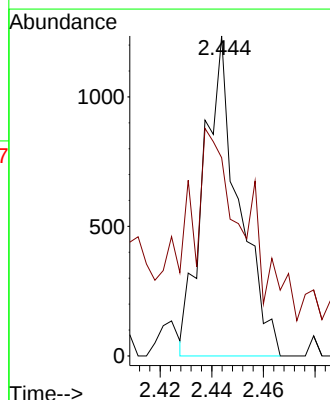
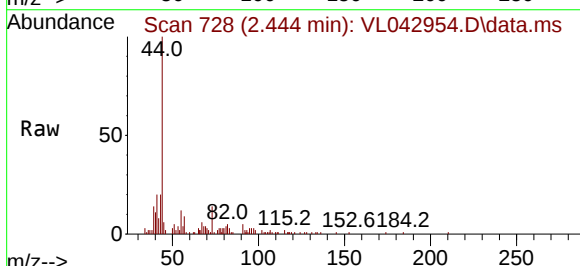
Acq: 22 Sep 2025 11:56

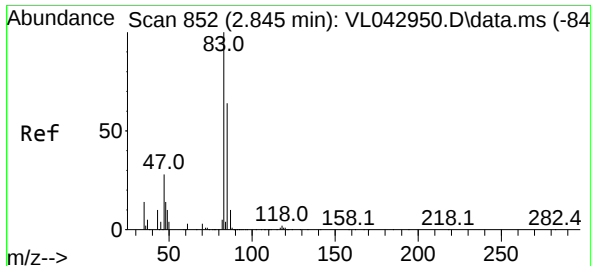
Tgt Ion: 73 Resp: 1171

Ion Ratio Lower Upper

73 100

57 204.3 20.6 31.0#





#29

Chloroform

Concen: 0.107 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

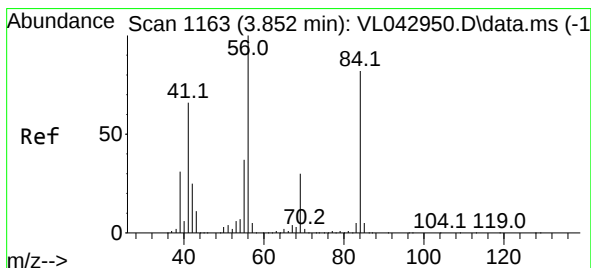
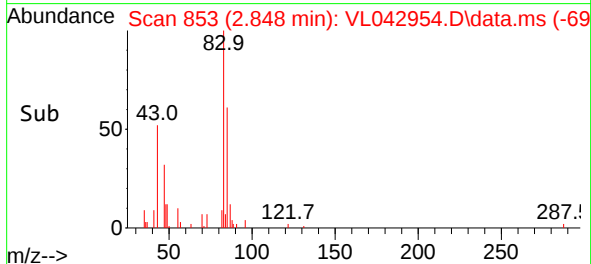
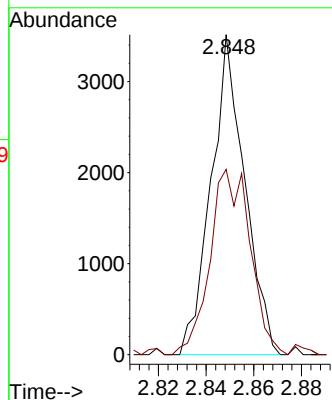
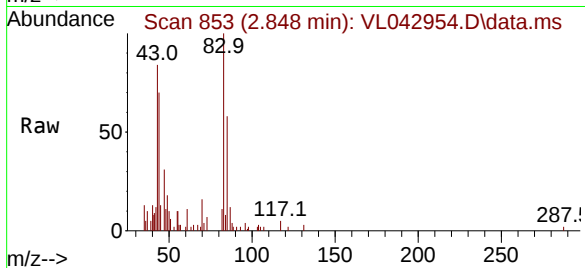
VSTDIC0.1

Tgt Ion: 83 Resp: 3449

Ion Ratio Lower Upper

83 100

85 56.3 51.2 76.8



#30

Cyclohexane

Concen: 0.092 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.010 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

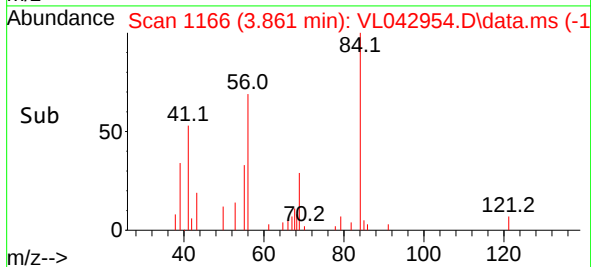
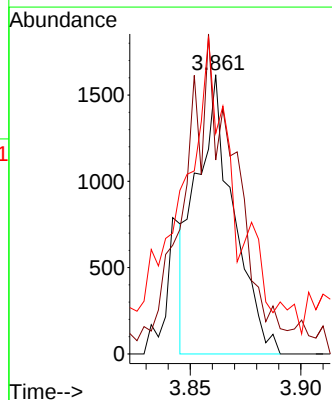
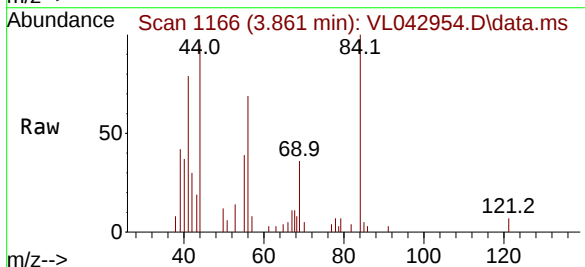
Tgt Ion: 84 Resp: 1880

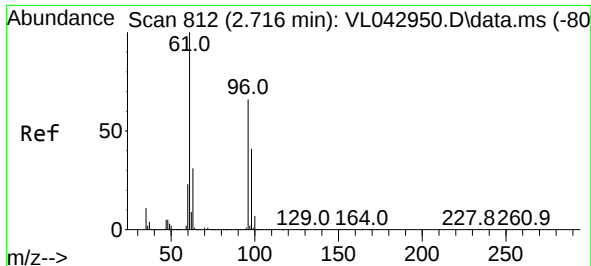
Ion Ratio Lower Upper

84 100

56 169.3 102.2 153.4#

41 164.8 65.6 98.4#

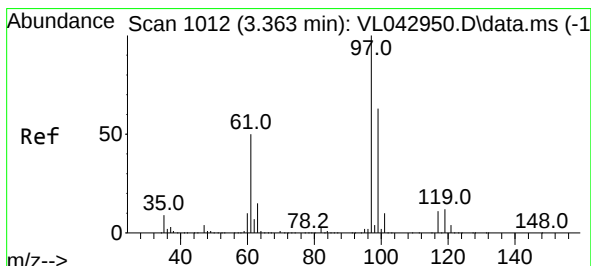
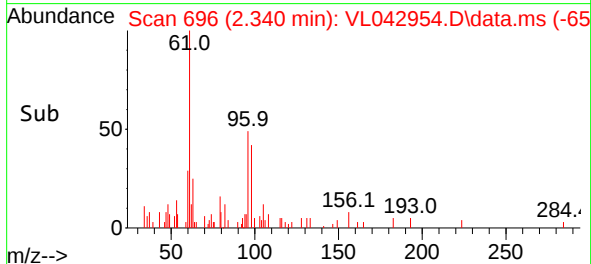
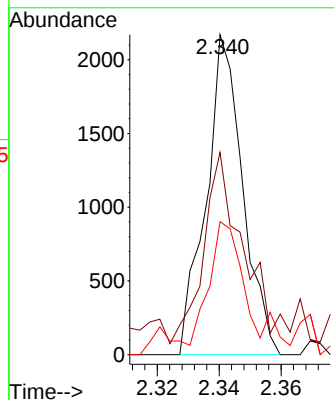
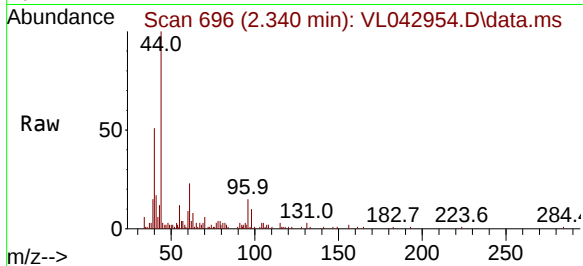




#31
 cis-1,2-Dichloroethene
 Concen: 0.077 ppbv
 RT: 2.340 min Scan# 61
 Delta R.T. -0.376 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

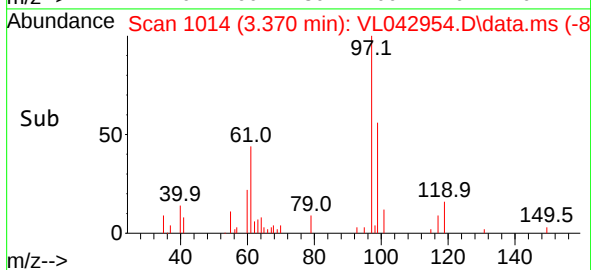
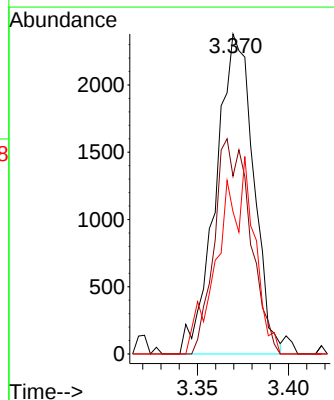
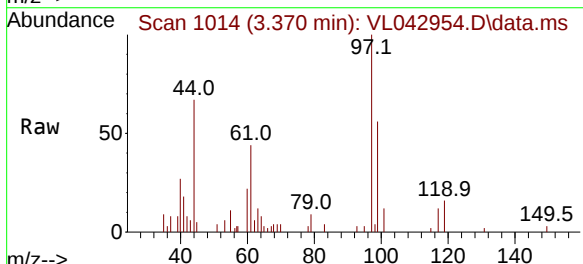
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

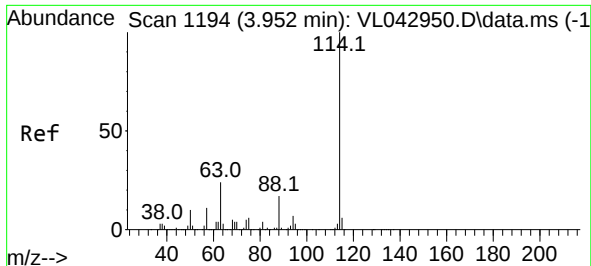
Tgt Ion:	61	Resp:	1780
Ion	Ratio	Lower	Upper
61	100		
96	53.9	53.0	79.6
98	37.3	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.098 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion:	97	Resp:	3418
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	56.2	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

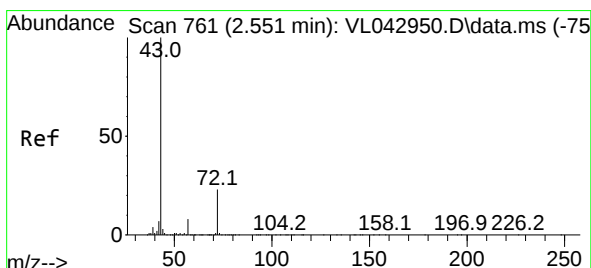
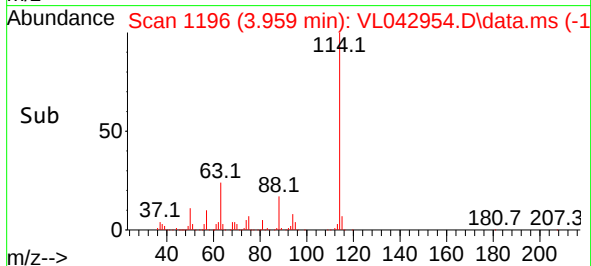
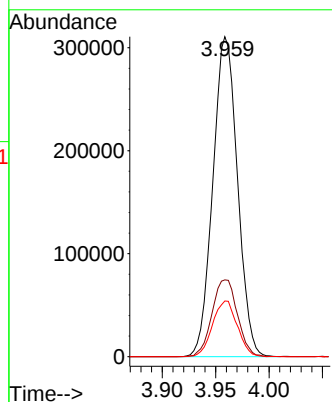
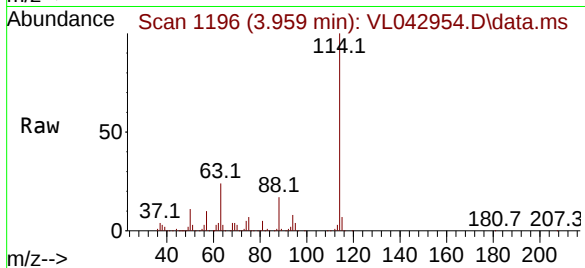
Tgt Ion:114 Resp: 498673

Ion Ratio Lower Upper

114 100

63 24.8 19.4 29.2

88 17.5 14.2 21.2



#34

2-Butanone

Concen: 0.121 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.013 min

Lab File: VL042954.D

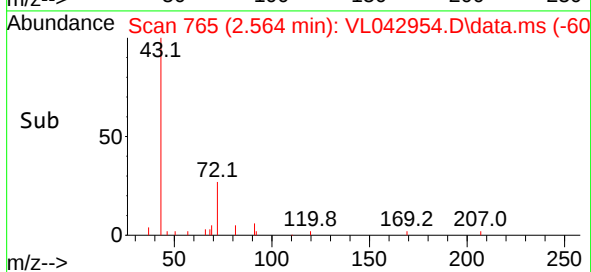
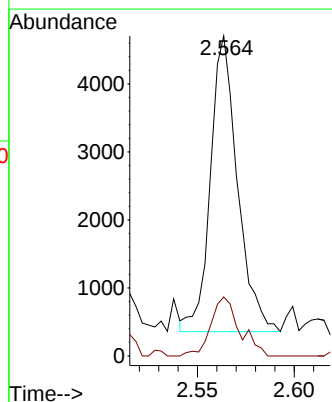
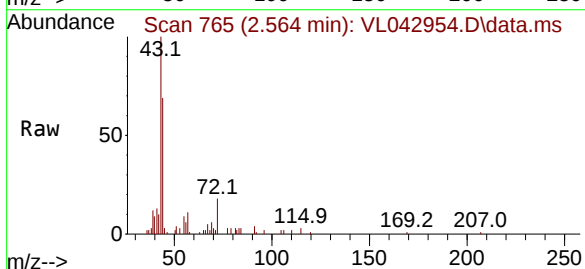
Acq: 22 Sep 2025 11:56

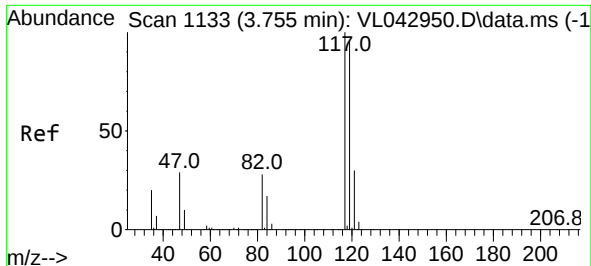
Tgt Ion: 43 Resp: 4230

Ion Ratio Lower Upper

43 100

72 21.1 17.7 26.5

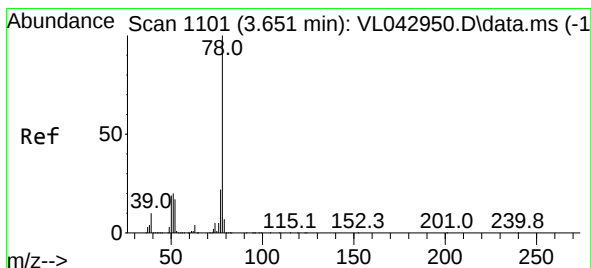
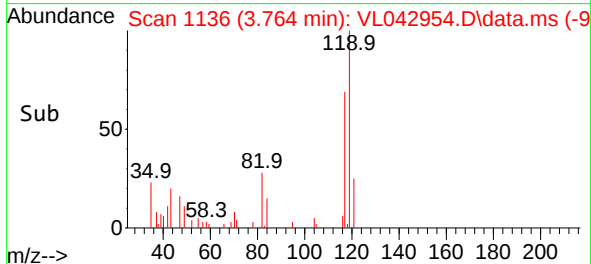
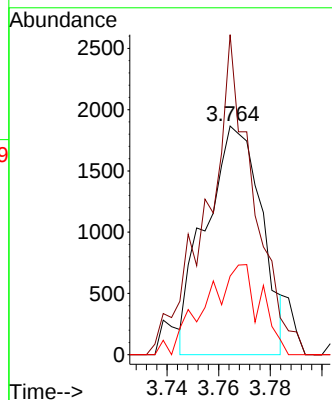
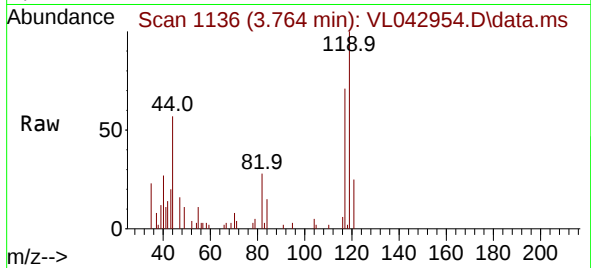




#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 3.764 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

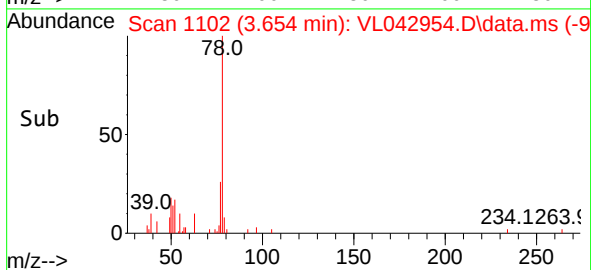
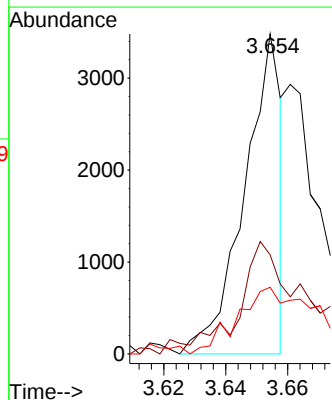
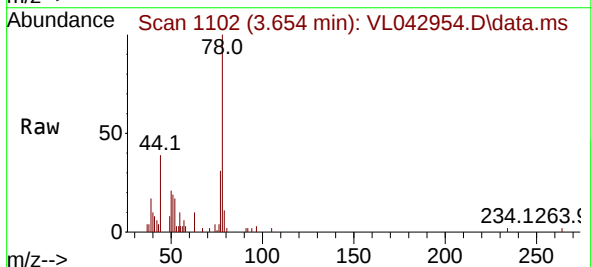
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

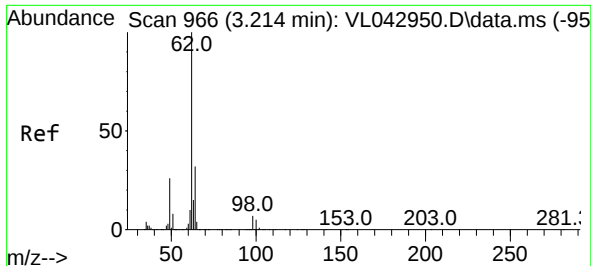
Tgt Ion:117 Resp: 2806
Ion Ratio Lower Upper
117 100
119 139.0 76.9 115.3#
121 31.1 23.7 35.5



#36
Benzene
Concen: 0.061 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 78 Resp: 2876
Ion Ratio Lower Upper
78 100
77 27.7 17.8 26.6#
50 18.4 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.116 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

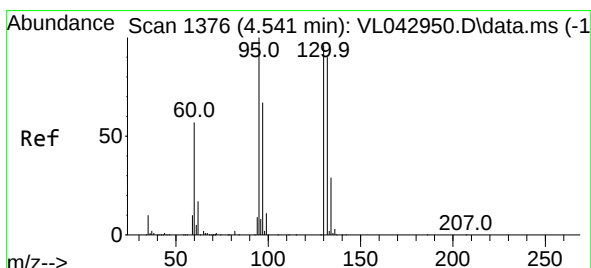
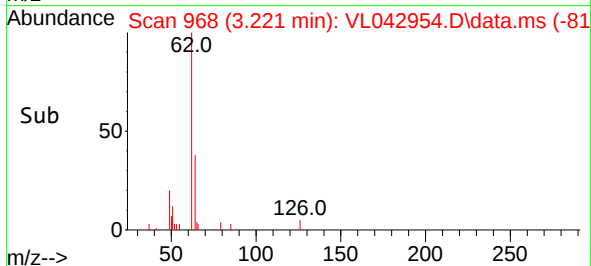
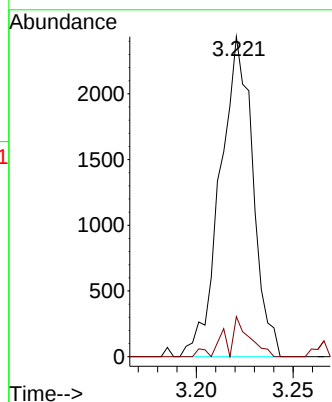
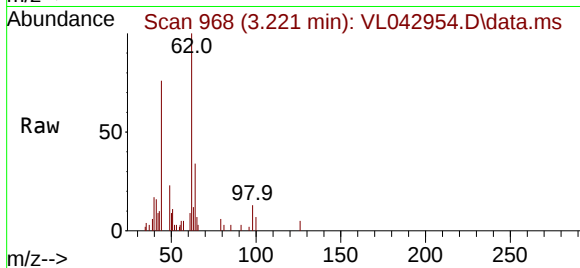
VSTDIC0.1

Tgt Ion: 62 Resp: 2858

Ion Ratio Lower Upper

62 100

98 8.9 5.9 8.9#



#38

Trichloroethene

Concen: 0.020 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.006 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Tgt Ion:130 Resp: 471

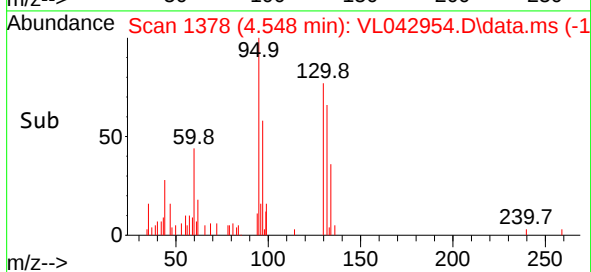
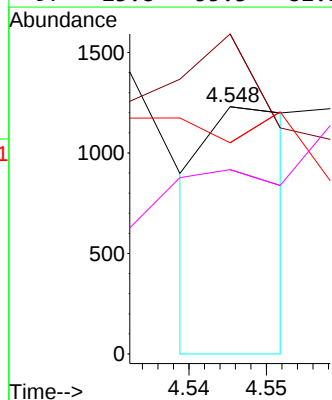
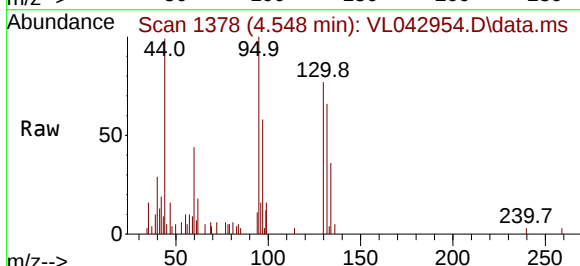
Ion Ratio Lower Upper

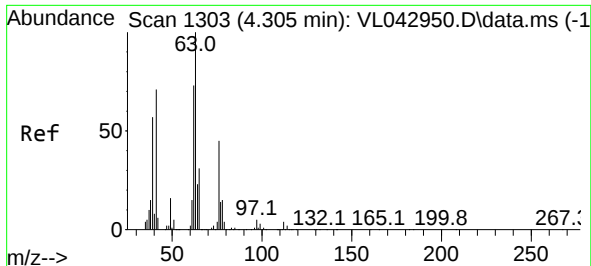
130 100

95 140.7 83.0 124.4#

132 0.0 74.6 112.0#

97 23.8 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 7.230 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.346 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

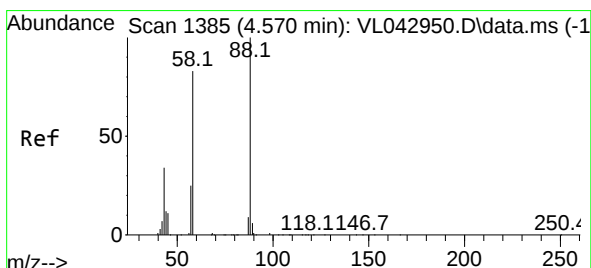
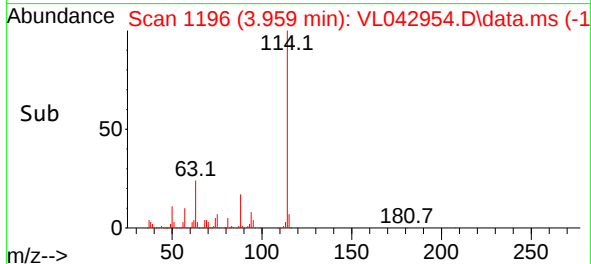
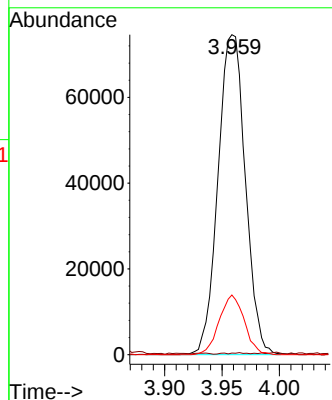
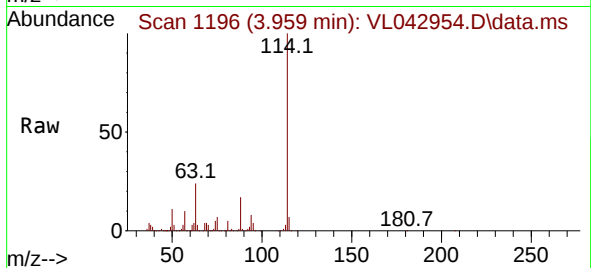
Tgt Ion: 63 Resp: 123686

Ion Ratio Lower Upper

63 100

41 0.1 57.5 86.3#

62 18.7 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.092 ppbv

RT: 4.612 min Scan# 1398

Delta R.T. 0.042 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Tgt Ion: 88 Resp: 732

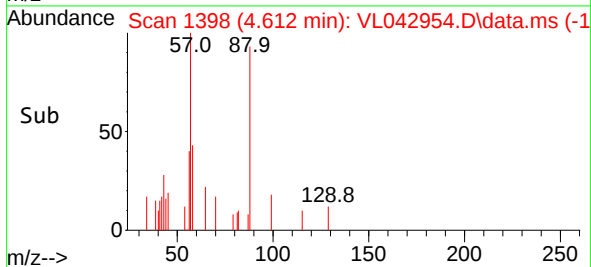
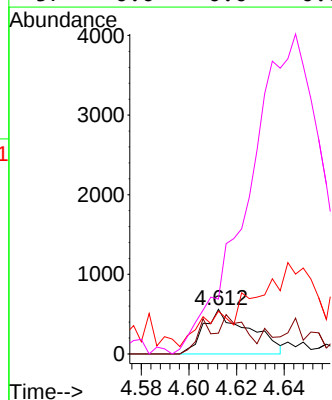
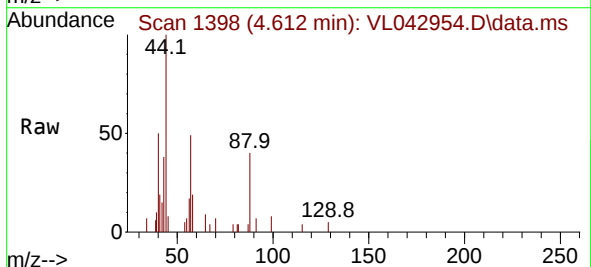
Ion Ratio Lower Upper

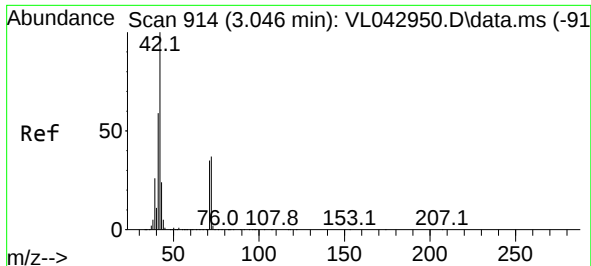
88 100

58 145.8 59.7 89.5#

43 53.4 28.9 43.3#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.103 ppbv

RT: 3.068 min Scan# 914

Delta R.T. 0.022 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

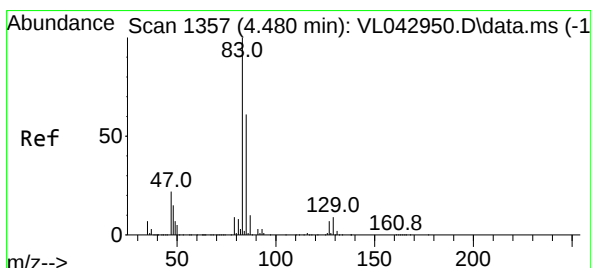
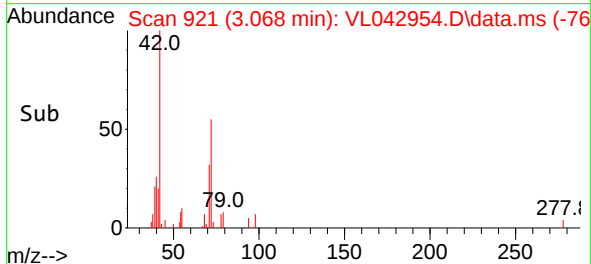
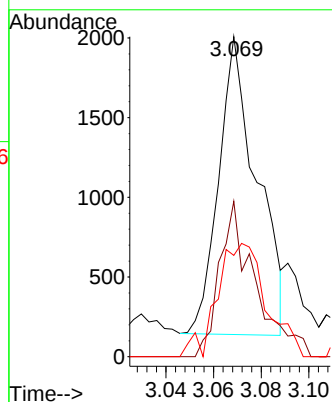
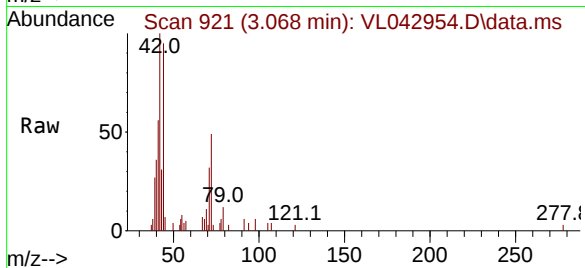
Tgt Ion: 42 Resp: 2075

Ion Ratio Lower Upper

42 100

72 48.9 30.0 45.0#

71 49.2 28.8 43.2#



#42

Bromodichloromethane

Concen: 0.103 ppbv

RT: 4.489 min Scan# 1360

Delta R.T. 0.010 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

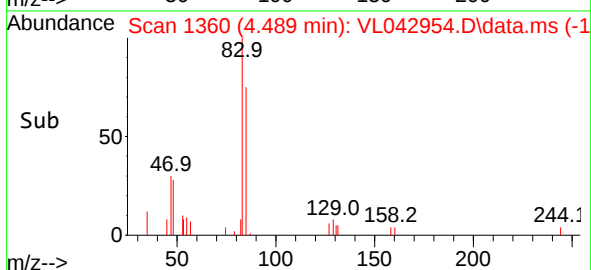
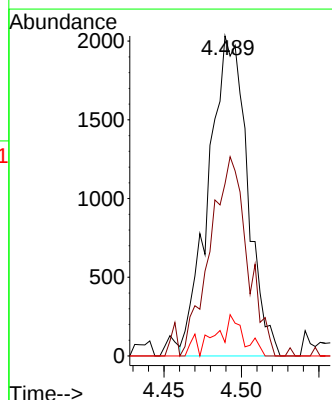
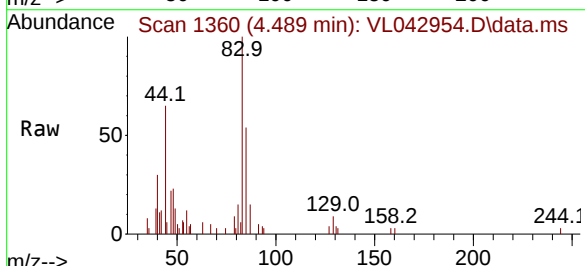
Tgt Ion: 83 Resp: 3539

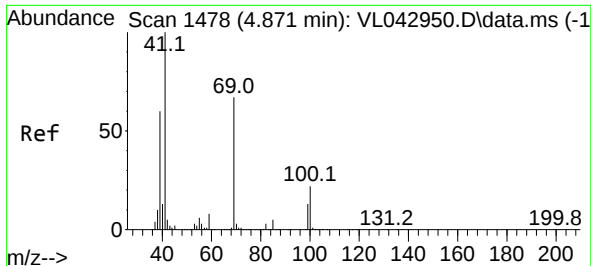
Ion Ratio Lower Upper

83 100

85 53.8 49.0 73.6

127 4.2 5.3 7.9#

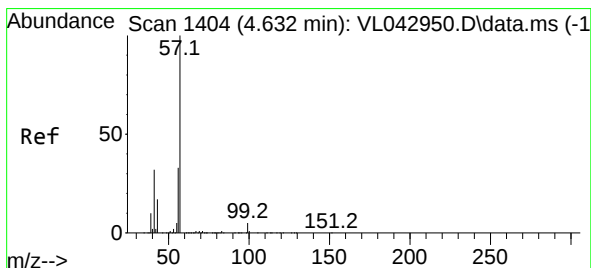
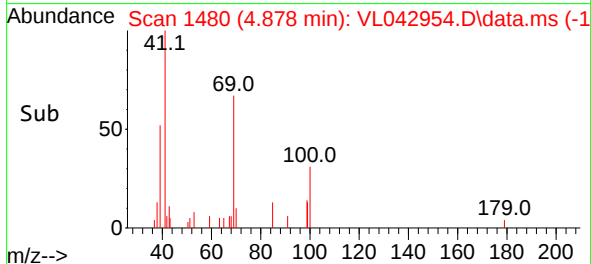
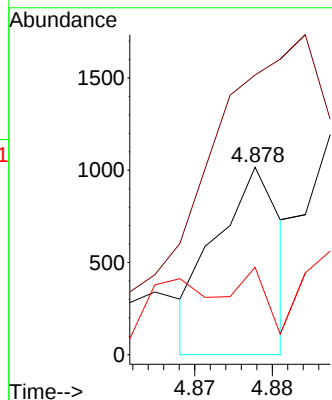
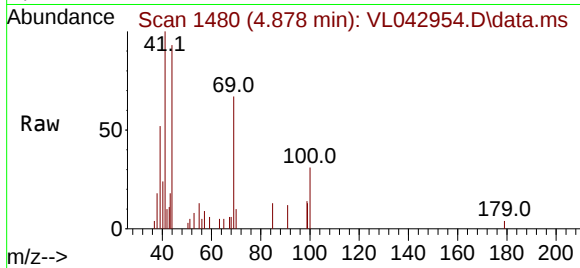




#43
Methyl Methacrylate
Concen: 0.031 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

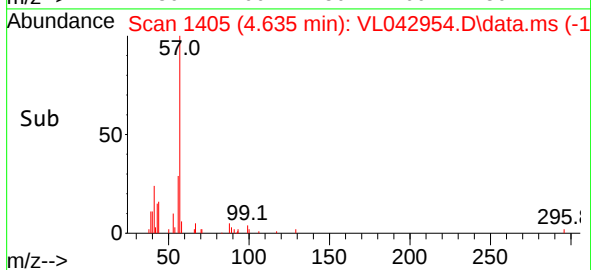
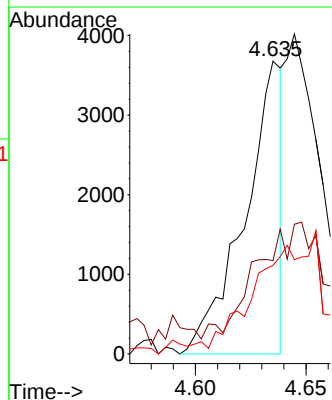
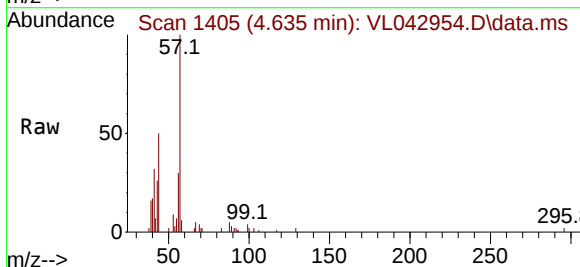
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

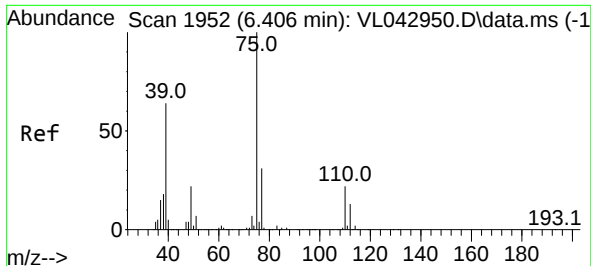
Tgt Ion: 69 Resp: 589
Ion Ratio Lower Upper
69 100
41 0.0 124.5 186.7#
100 0.0 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.053 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 57 Resp: 4291
Ion Ratio Lower Upper
57 100
41 0.0 25.5 38.3#
56 0.0 25.8 38.8#

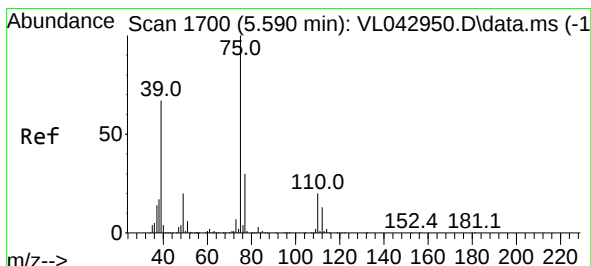
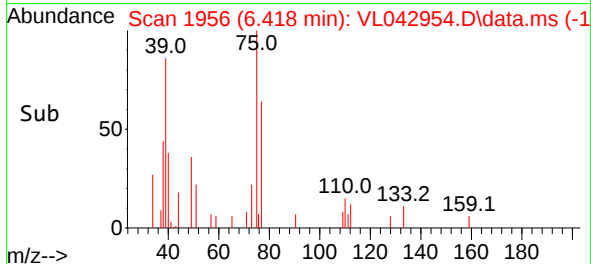
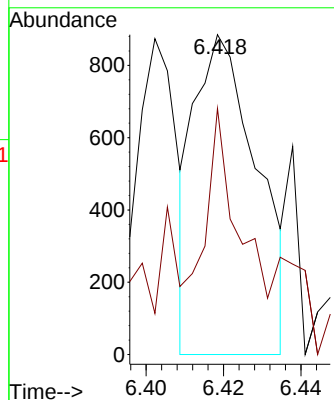
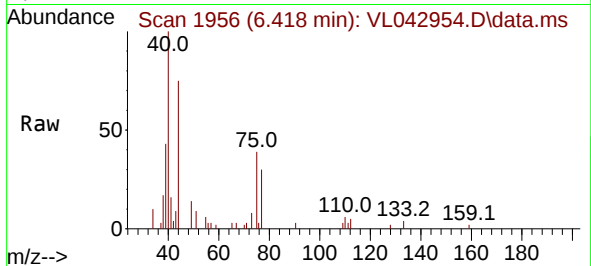




#45
 t-1,3-Dichloropropene
 Concen: 0.049 ppbv
 RT: 6.418 min Scan# 1952
 Delta R.T. 0.013 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

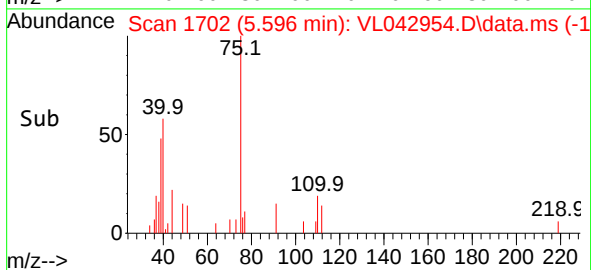
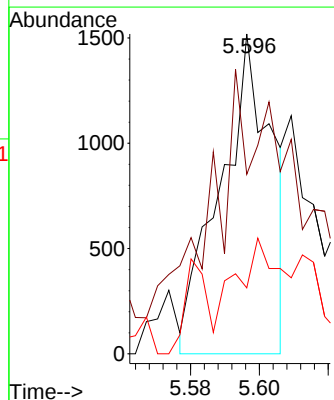
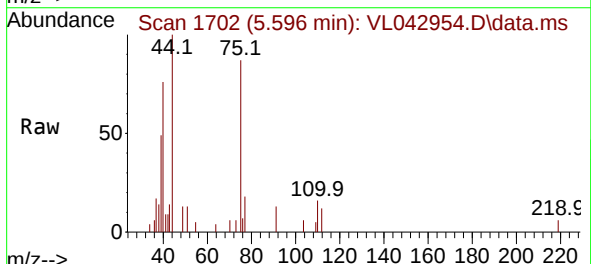
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

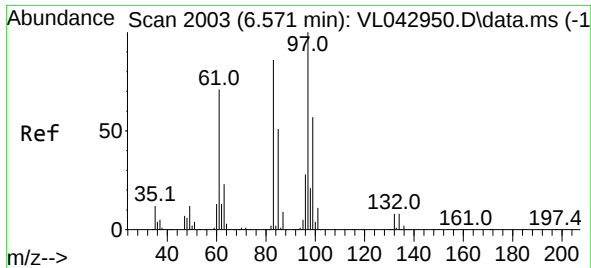
Tgt Ion: 75 Resp: 999
 Ion Ratio Lower Upper
 75 100
 77 71.7 25.0 37.4#



#46
 cis-1,3-Dichloropropene
 Concen: 0.060 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion: 75 Resp: 1566
 Ion Ratio Lower Upper
 75 100
 39 30.6 53.8 80.6#
 77 15.7 23.6 35.4#

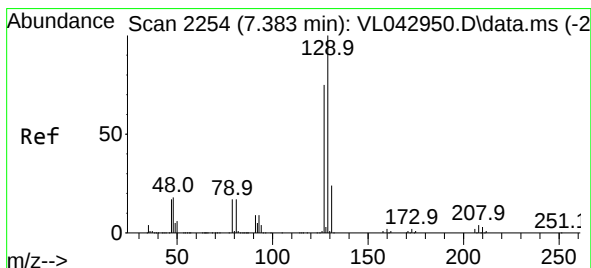
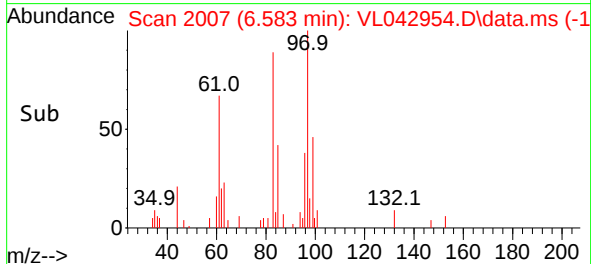
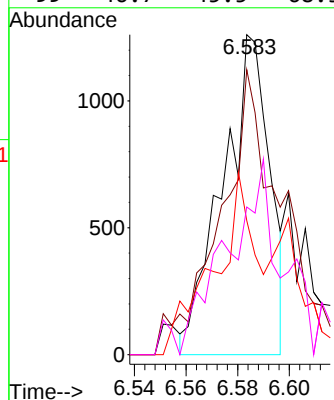
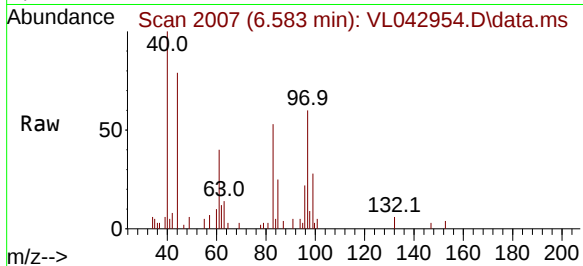




#47
1,1,2-Trichloroethane
Concen: 0.088 ppbv
RT: 6.583 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

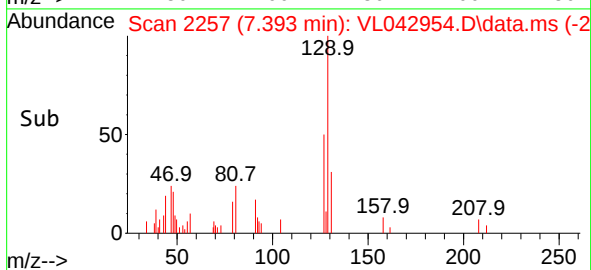
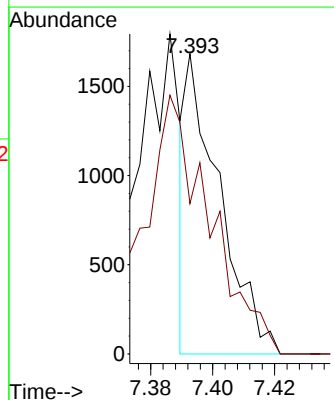
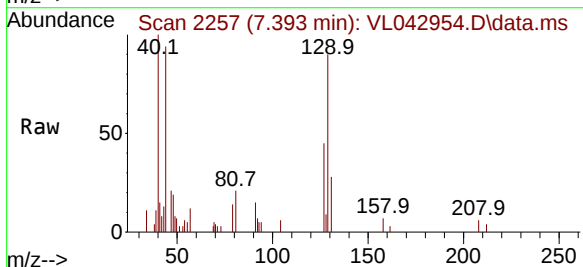
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

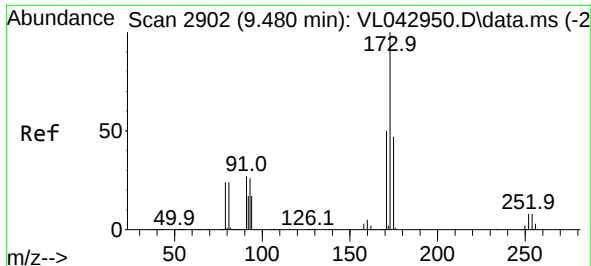
Tgt Ion: 97	Resp: 1588
Ion Ratio	Lower Upper
97 100	
83 70.1	68.7 103.1
85 23.1	40.6 60.8#
99 46.7	45.5 68.3



#48
Dibromochloromethane
Concen: 0.044 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:129	Resp:	1273	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.2#

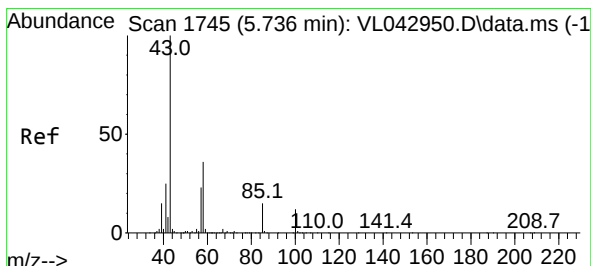
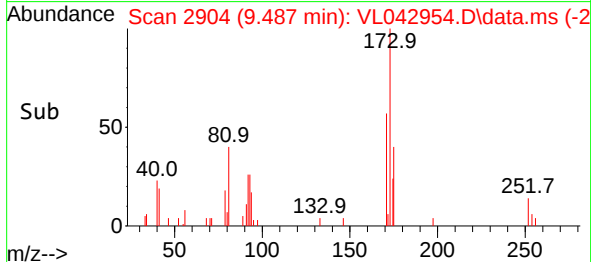
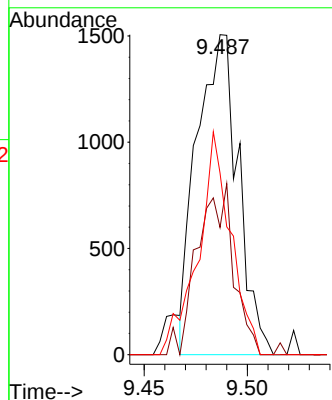
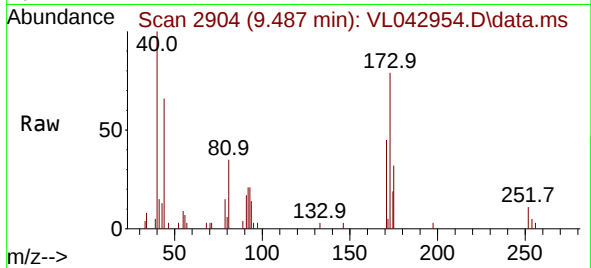




#49
Bromoform
Concen: 0.084 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

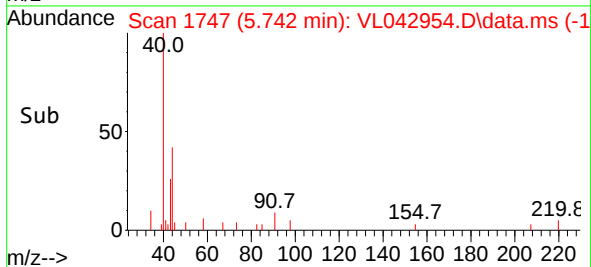
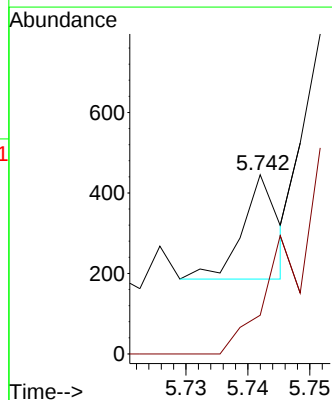
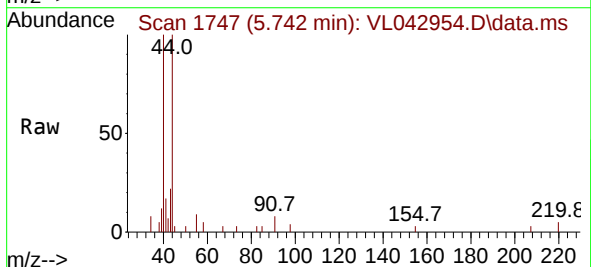
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

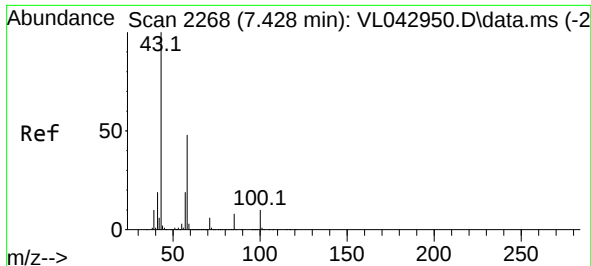
Tgt Ion:173 Resp: 2105
Ion Ratio Lower Upper
173 100
175 46.7 37.9 56.9
171 54.8 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#

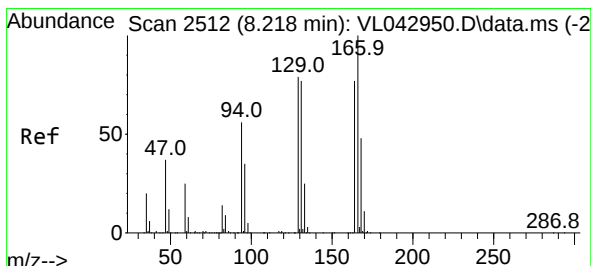
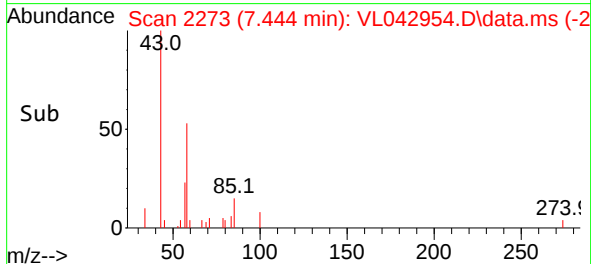
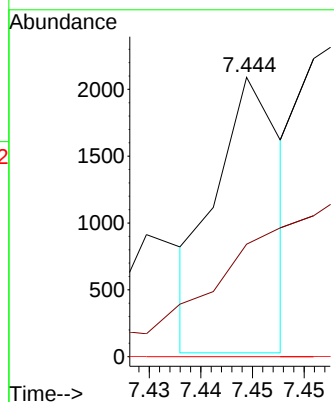
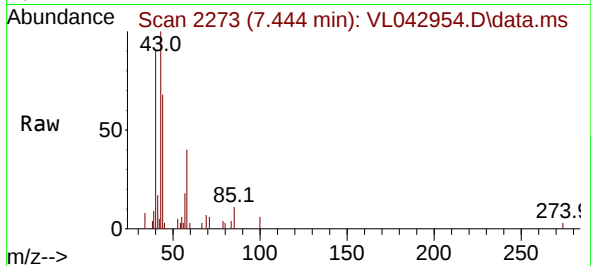




#51
2-Hexanone
Concen: 0.025 ppbv
RT: 7.444 min Scan# 2115
Delta R.T. 0.016 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

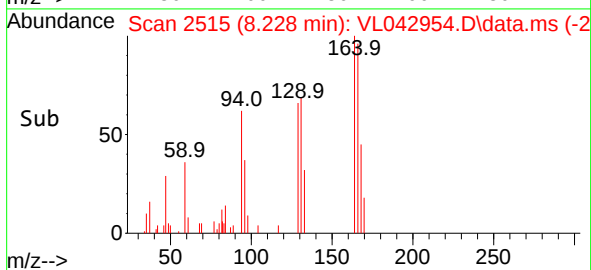
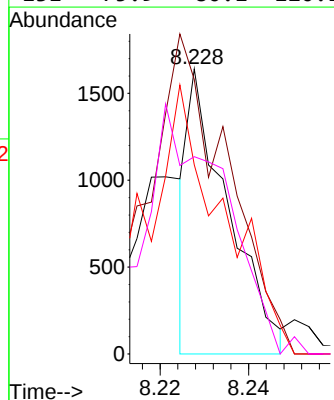
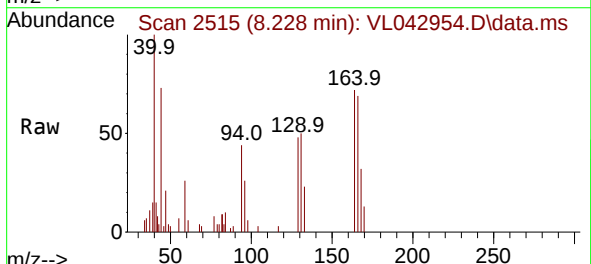
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

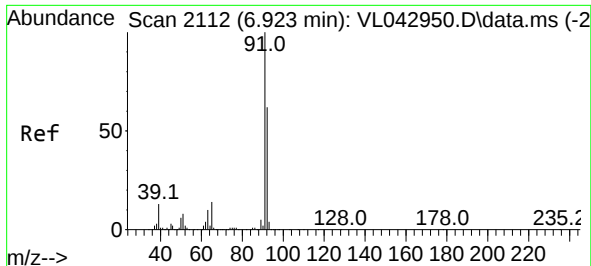
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.056 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 164 Resp: 1022
Ion Ratio Lower Upper
164 100
166 92.3 103.5 155.3#
129 61.7 82.2 123.4#
131 75.9 80.1 120.1#

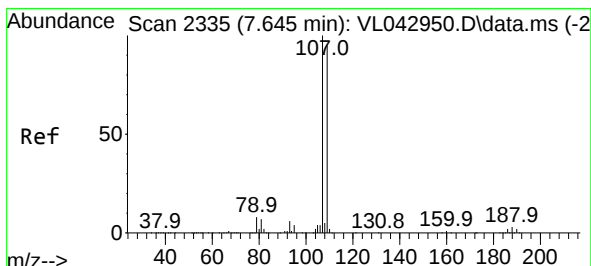
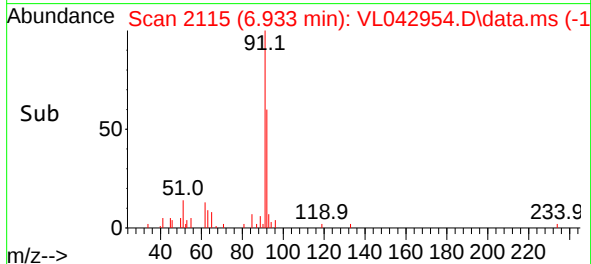
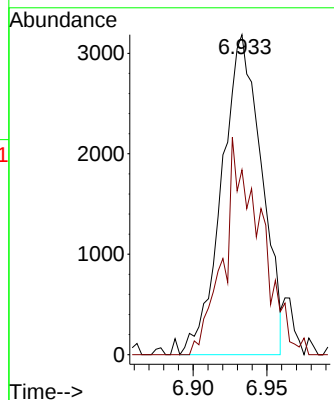
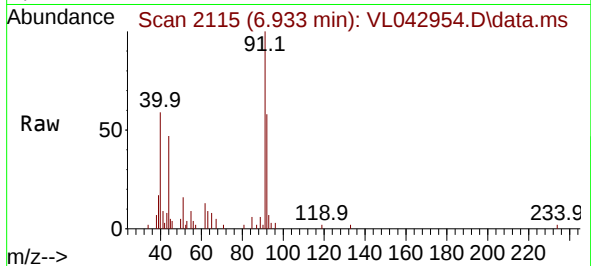




#53
Toluene
Concen: 0.108 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

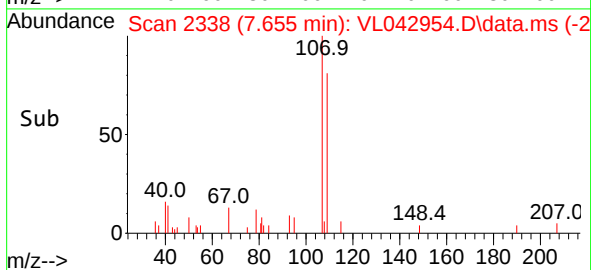
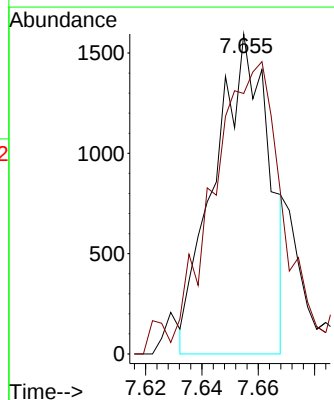
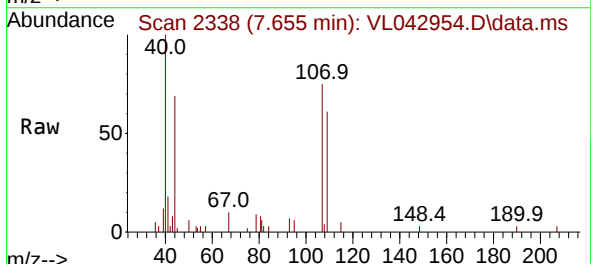
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

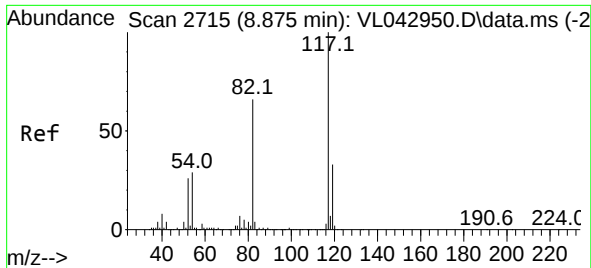
Tgt Ion: 91 Resp: 5973
Ion Ratio Lower Upper
91 100
92 63.4 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.084 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 107 Resp: 2129
Ion Ratio Lower Upper
107 100
109 76.4 75.8 113.8

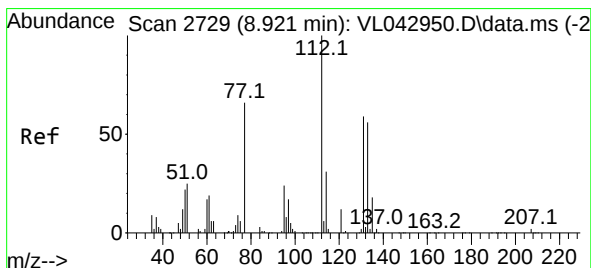
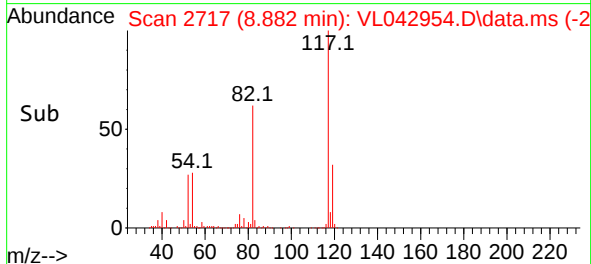
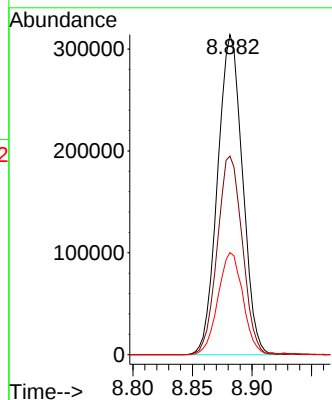
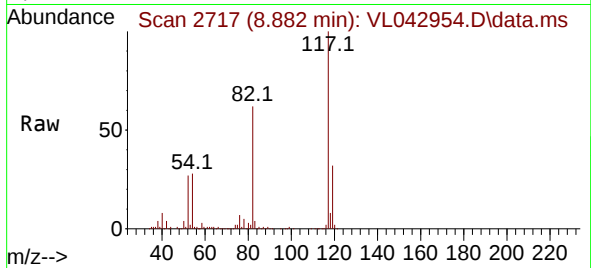




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

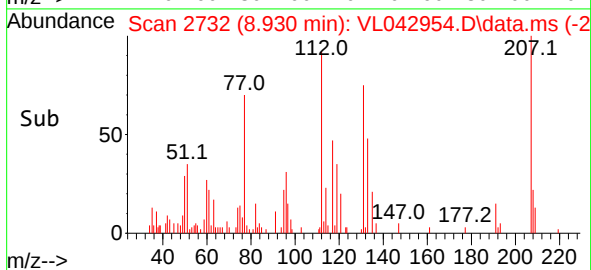
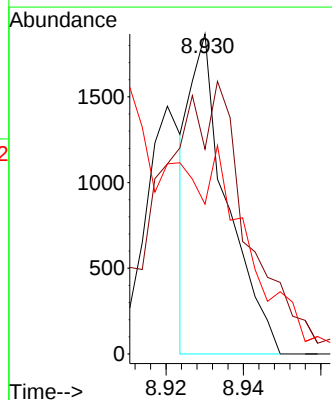
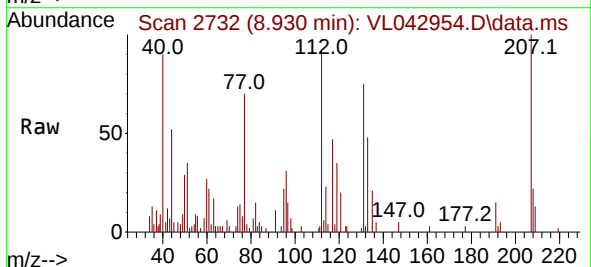
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

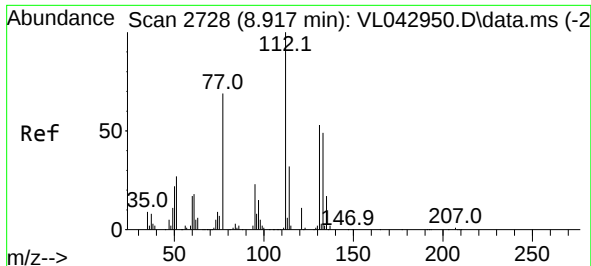
Tgt Ion:117 Resp: 457171
Ion Ratio Lower Upper
117 100
82 62.3 52.8 79.2
119 32.3 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.057 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:131 Resp: 1250
Ion Ratio Lower Upper
131 100
133 208.2 76.6 114.8#
119 0.0 49.9 74.9#

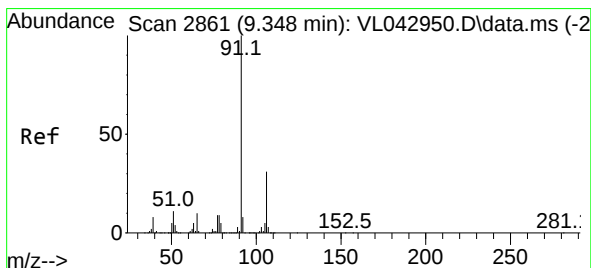
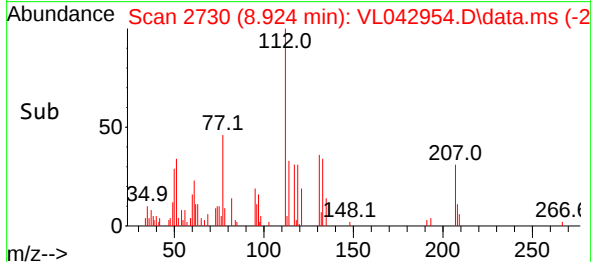
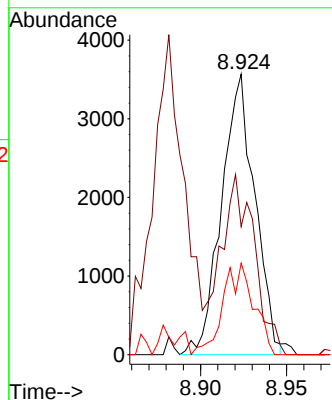
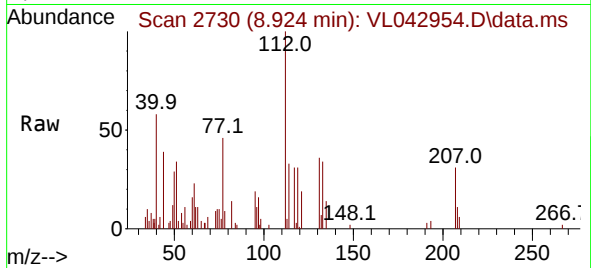




#57
Chlorobenzene
Concen: 0.115 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

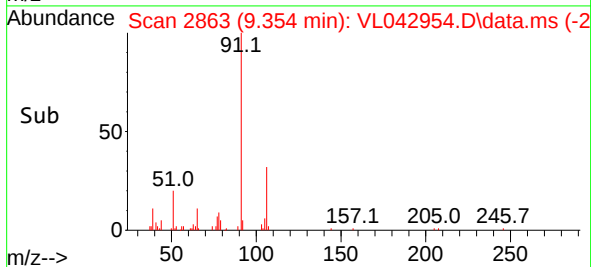
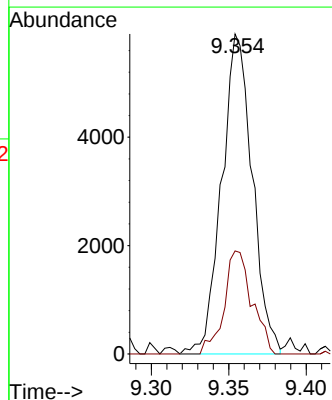
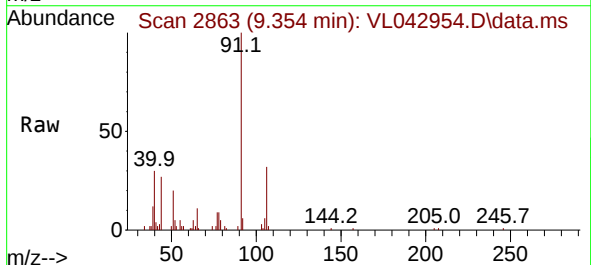
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

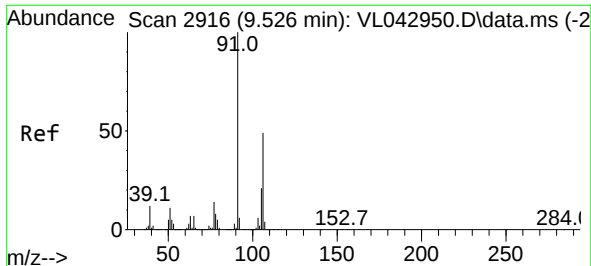
Tgt Ion:112 Resp: 4812
Ion Ratio Lower Upper
112 100
77 40.2 55.7 83.5#
114 32.6 28.6 35.0



#58
Ethyl Benzene
Concen: 0.108 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 91 Resp: 8123
Ion Ratio Lower Upper
91 100
106 32.2 24.6 37.0





#59

m/p-Xylene

Concen: 0.120 ppbv

RT: 9.532 min Scan# 2916

Delta R.T. 0.006 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

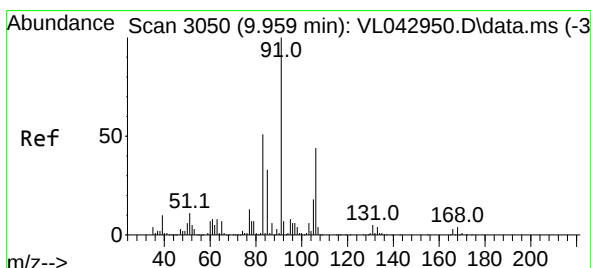
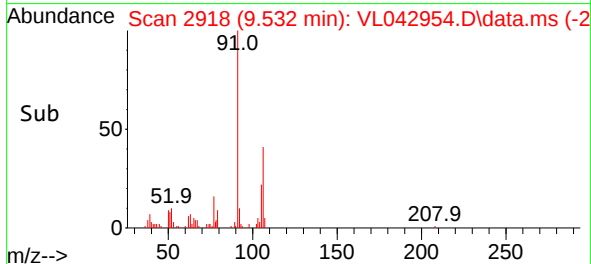
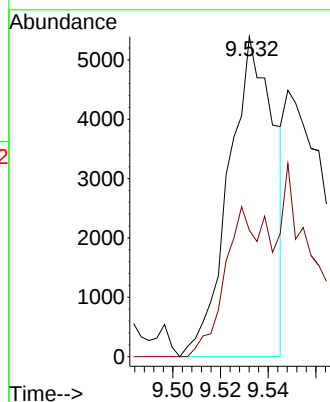
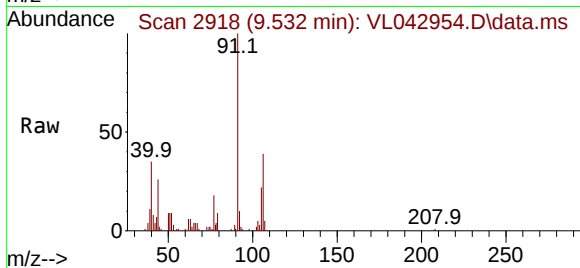
VSTDIC0.1

Tgt Ion: 91 Resp: 7134

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.102 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL042954.D

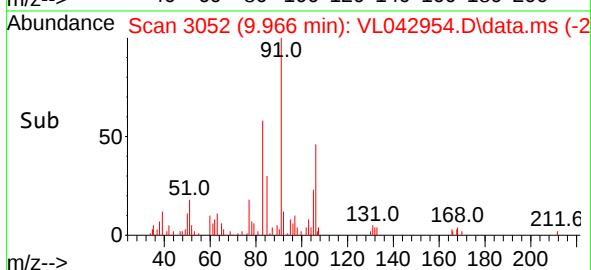
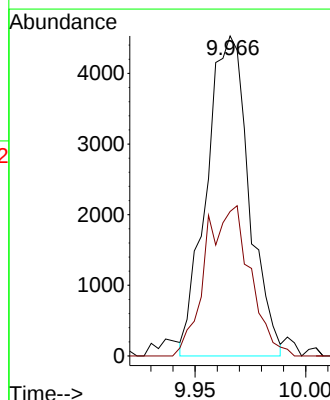
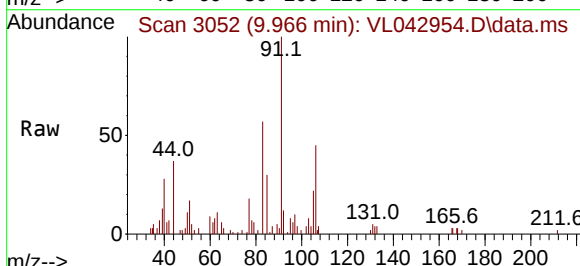
Acq: 22 Sep 2025 11:56

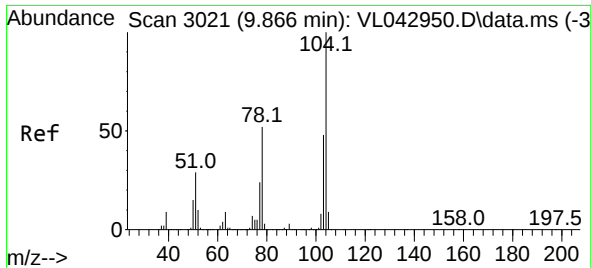
Tgt Ion: 91 Resp: 6052

Ion Ratio Lower Upper

91 100

106 49.6 22.4 67.0

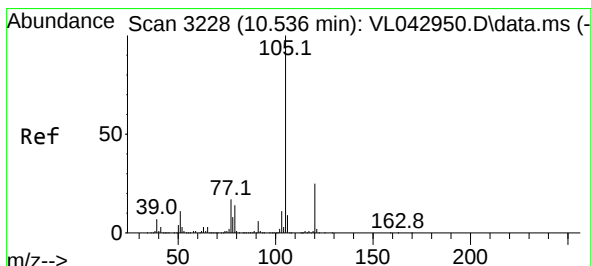
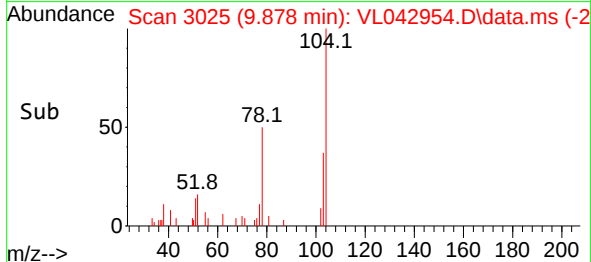
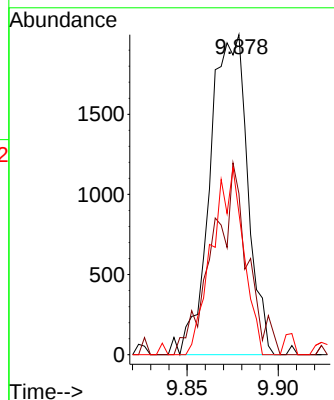
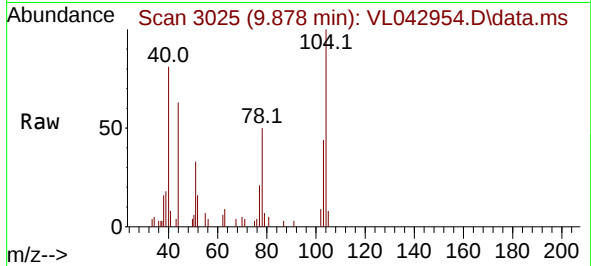




#61
Styrene
Concen: 0.102 ppbv
RT: 9.878 min Scan# 3021
Delta R.T. 0.013 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

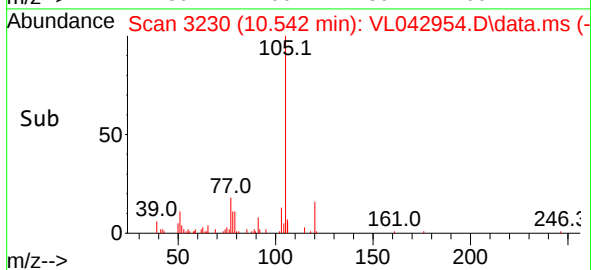
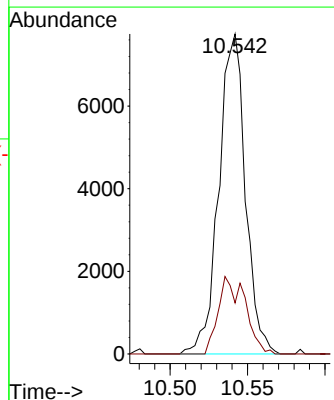
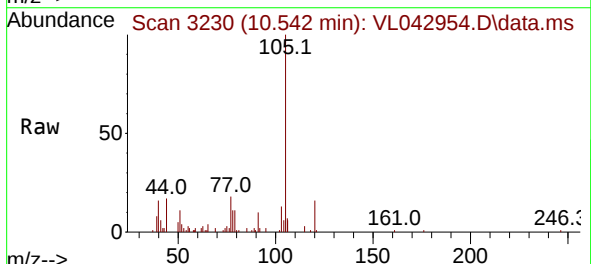
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

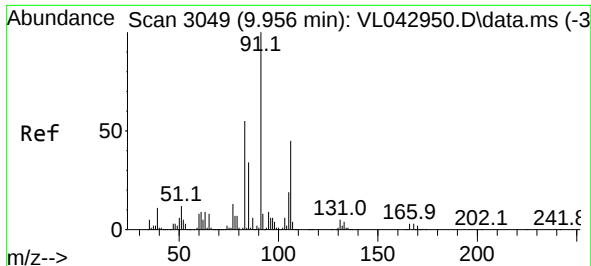
Tgt Ion:104 Resp: 2851
Ion Ratio Lower Upper
104 100
78 55.8 39.9 59.9
103 52.2 36.9 55.3



#62
Isopropylbenzene
Concen: 0.105 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:105 Resp: 9236
Ion Ratio Lower Upper
105 100
120 24.6 20.6 30.8

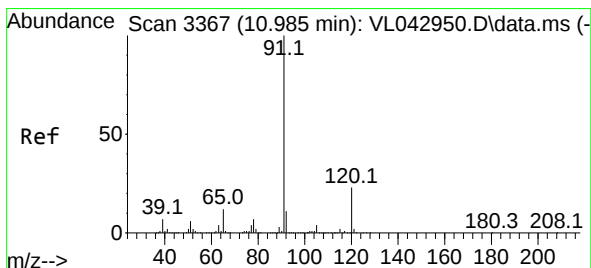
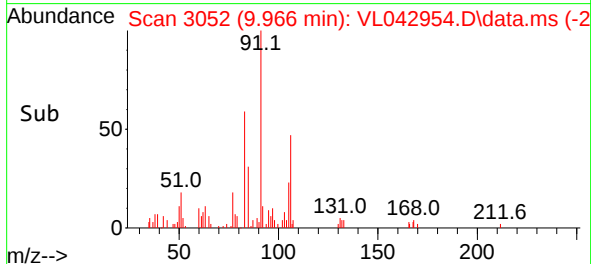
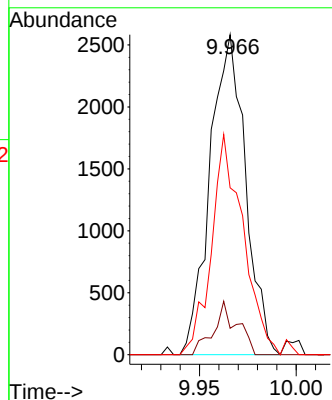
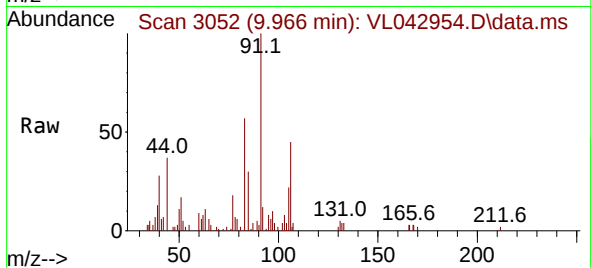




#63
1,1,2,2-Tetrachloroethane
Concen: 0.106 ppbv
RT: 9.966 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

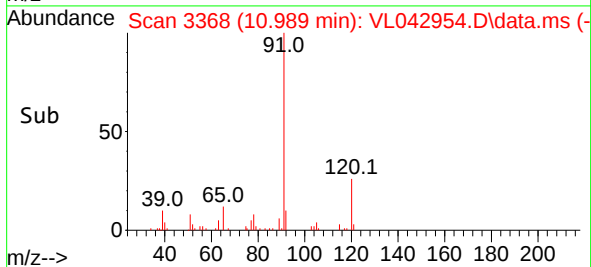
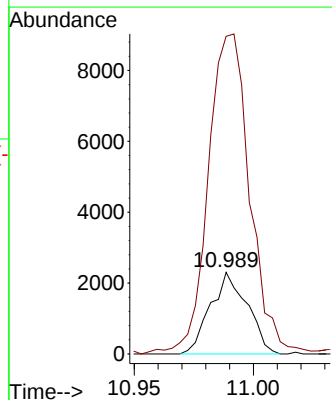
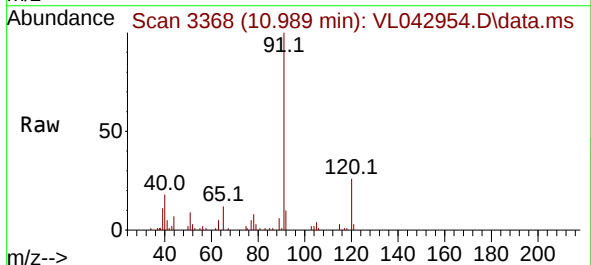
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

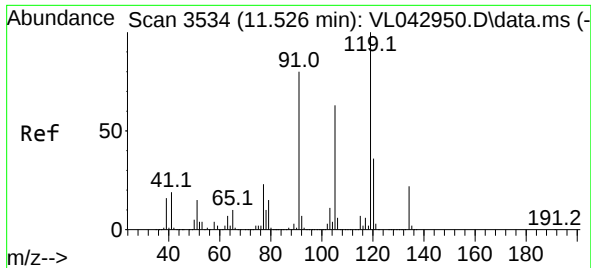
Tgt Ion: 83 Resp: 3301
Ion Ratio Lower Upper
83 100
131 11.1 4.8 14.4
85 62.2 32.2 96.6



#64
n-propylbenzene
Concen: 0.107 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 120 Resp: 2475
Ion Ratio Lower Upper
120 100
91 443.6 364.9 547.3

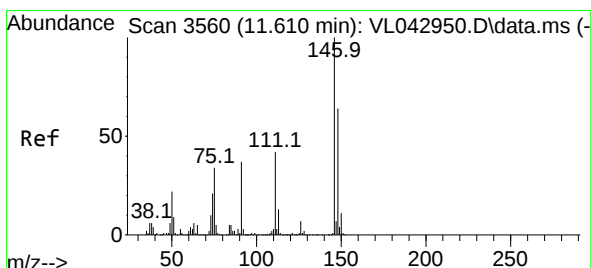
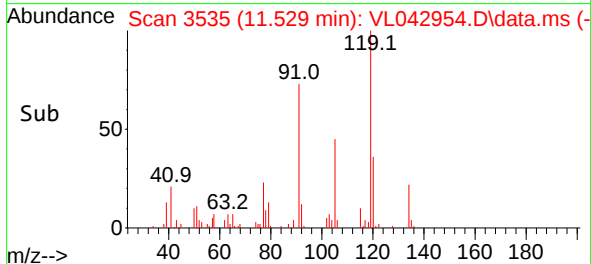
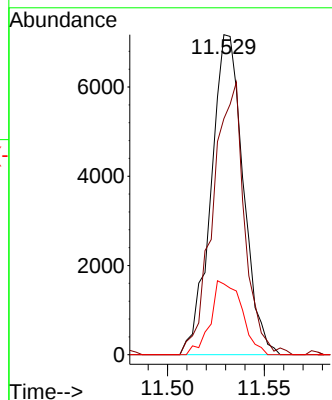
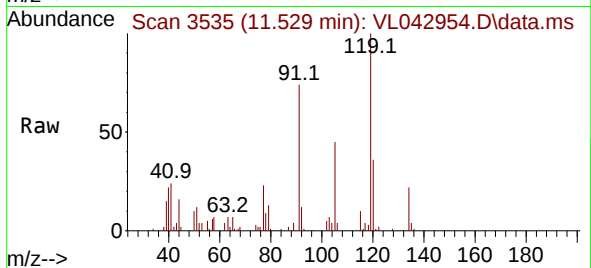




#65
tert-Butylbenzene
Concen: 0.106 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

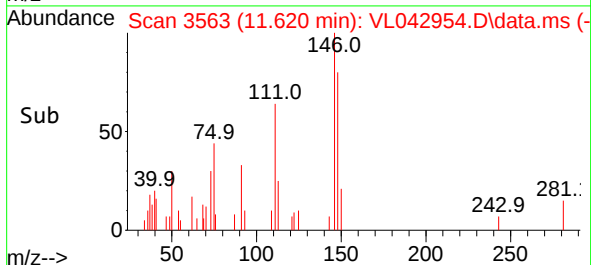
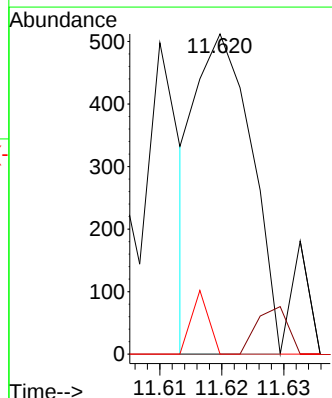
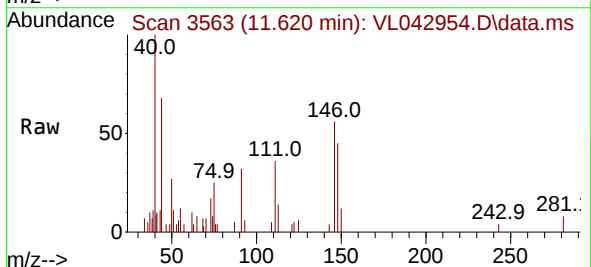
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

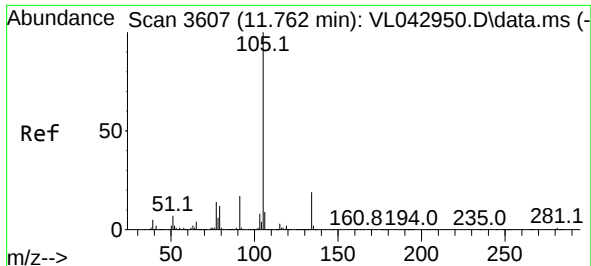
Tgt Ion:119 Resp: 8306
Ion Ratio Lower Upper
119 100
91 83.6 63.1 94.7
134 22.3 17.0 25.6



#66
Benzyl Chloride
Concen: 0.039 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 91 Resp: 318
Ion Ratio Lower Upper
91 100
126 0.0 14.6 21.8#
128 0.0 5.0 7.4#

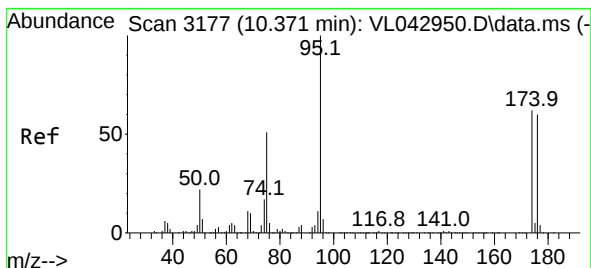
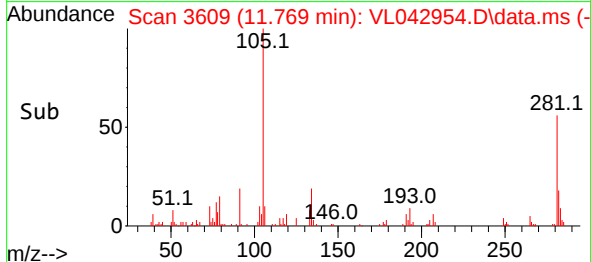
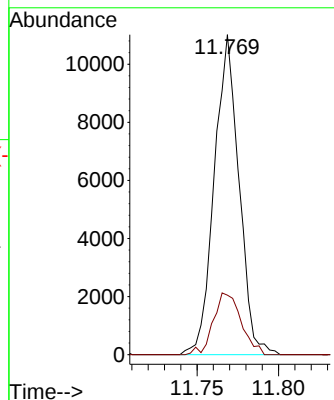
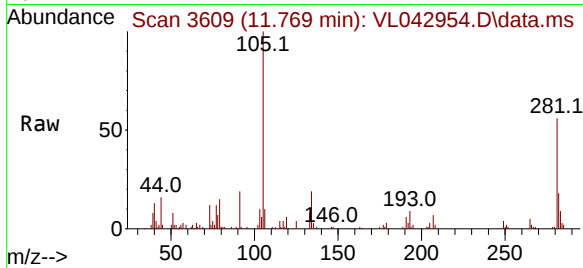




#67
 sec-Butylbenzene
 Concen: 0.106 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

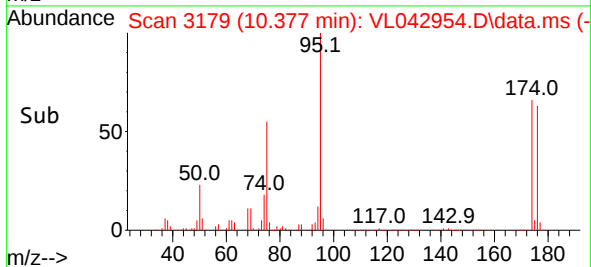
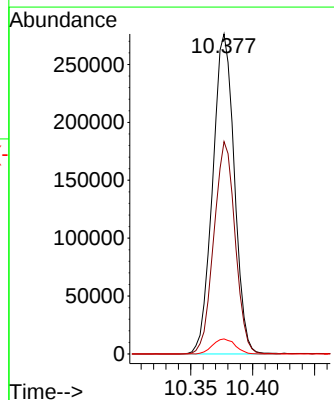
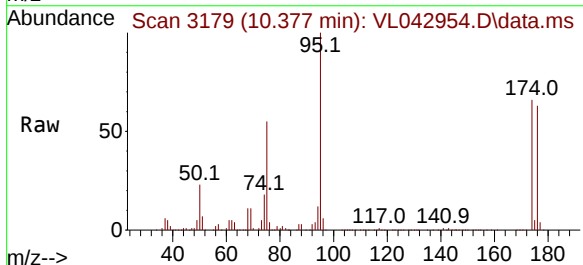
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

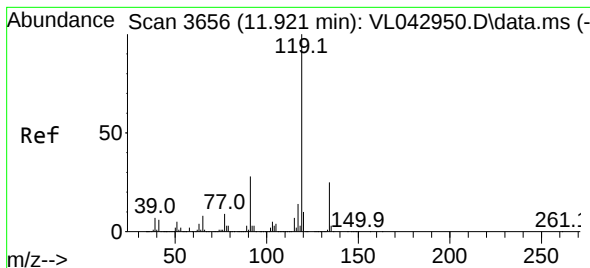
Tgt Ion:105 Resp: 11601
 Ion Ratio Lower Upper
 105 100
 134 21.7 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.881 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion: 95 Resp: 337196
 Ion Ratio Lower Upper
 95 100
 174 65.1 51.4 77.2
 175 4.9 4.0 6.0

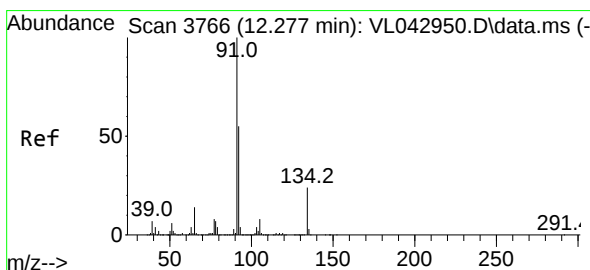
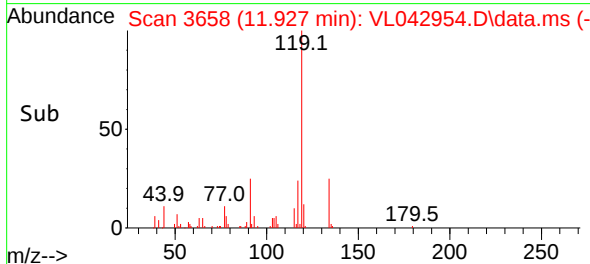
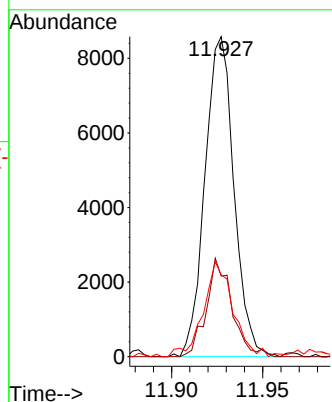
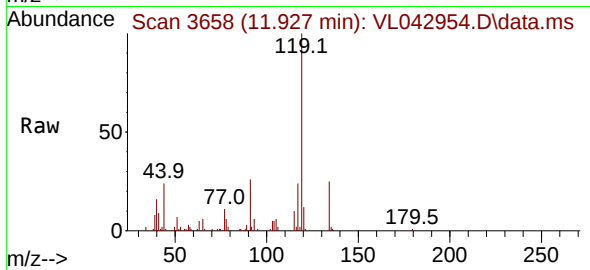




#69
 p-Isopropyltoluene
 Concen: 0.103 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

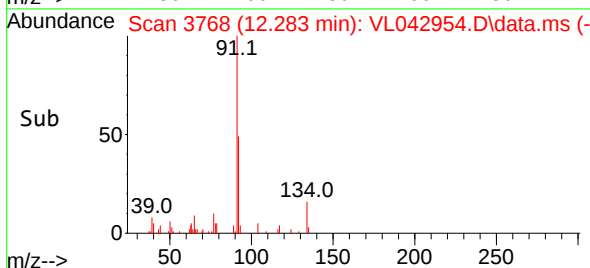
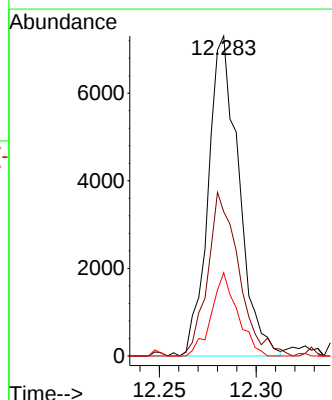
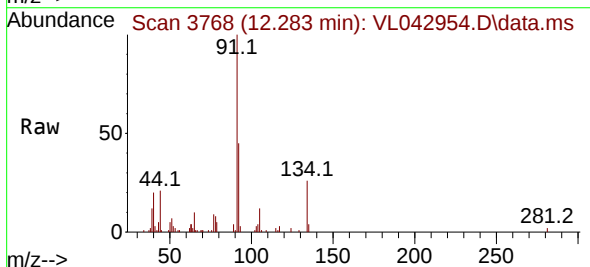
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

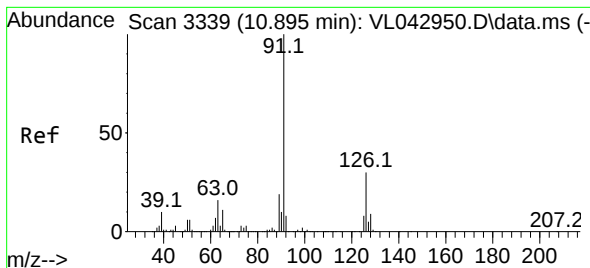
Tgt Ion:	119	Resp:	9493
Ion	Ratio	Lower	Upper
119	100		
134	27.3	21.0	31.4
91	28.9	22.3	33.5



#70
 n-Butylbenzene
 Concen: 0.089 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion:	91	Resp:	8041
Ion	Ratio	Lower	Upper
91	100		
92	52.1	44.0	66.0
134	22.7	19.4	29.2

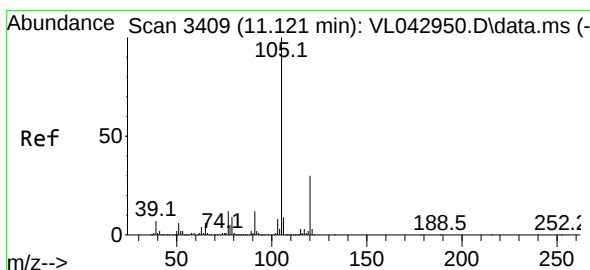
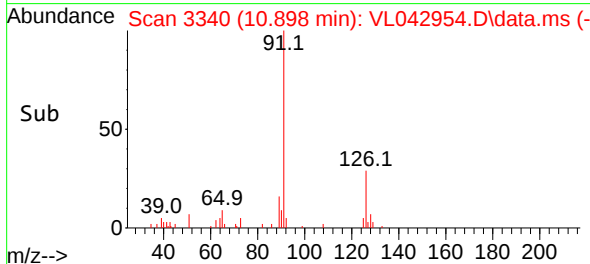
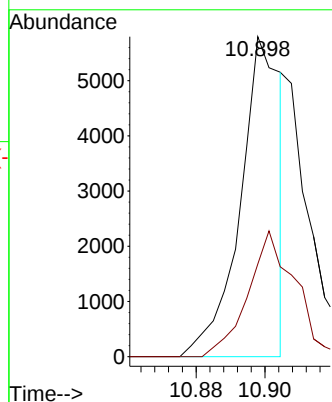
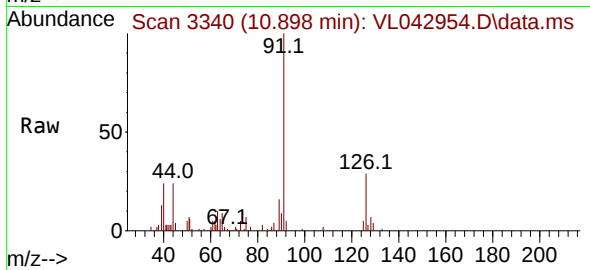




#71
2-Chlorotoluene
Concen: 0.071 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

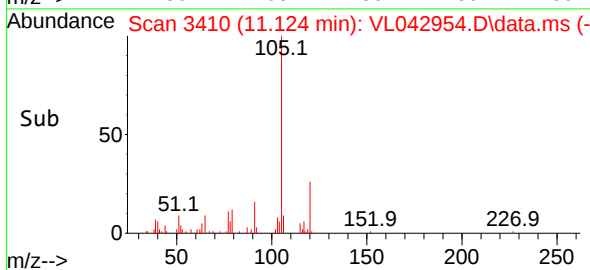
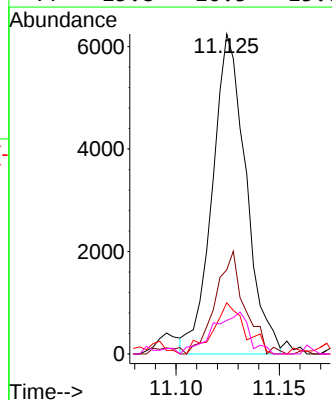
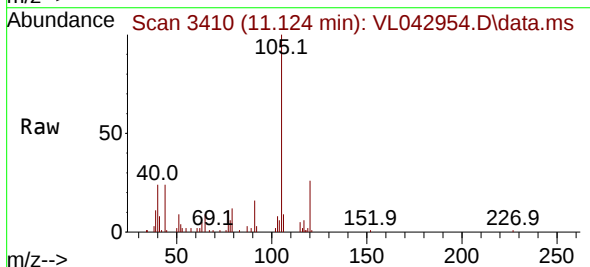
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

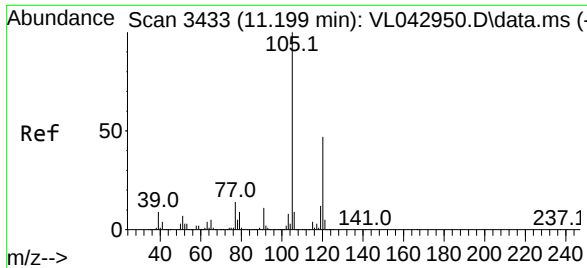
Tgt Ion: 91 Resp: 4737
Ion Ratio Lower Upper
91 100
126 45.7 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.095 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 105 Resp: 7048
Ion Ratio Lower Upper
105 100
120 29.3 24.2 36.2
91 17.8 10.0 15.0#
77 15.8 10.5 15.7#

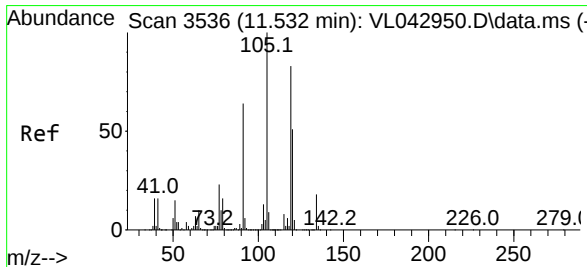
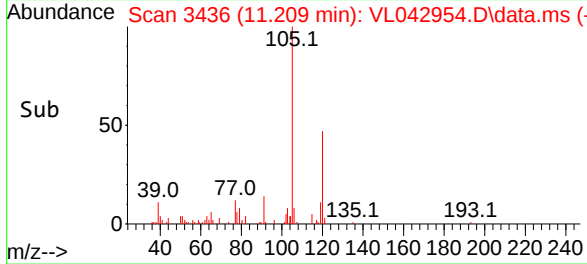
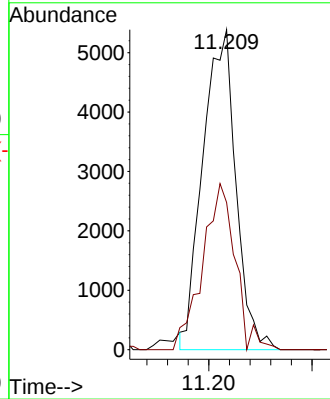
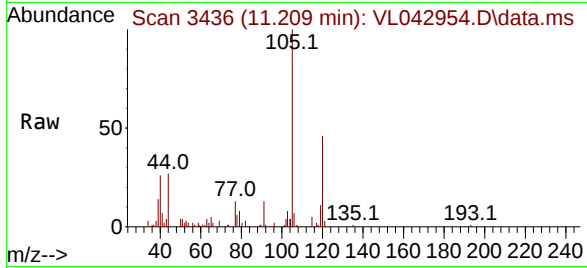




#73
1,3,5-Trimethylbenzene
Concen: 0.099 ppbv
RT: 11.209 min Scan# 3433
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

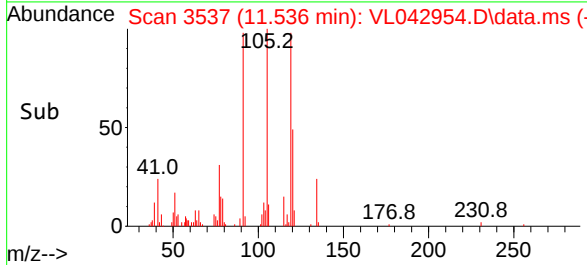
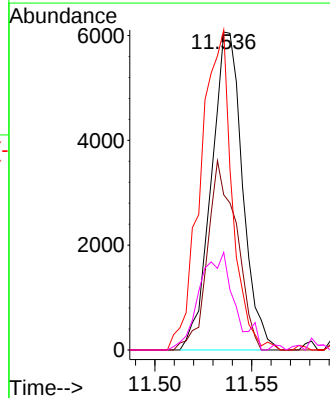
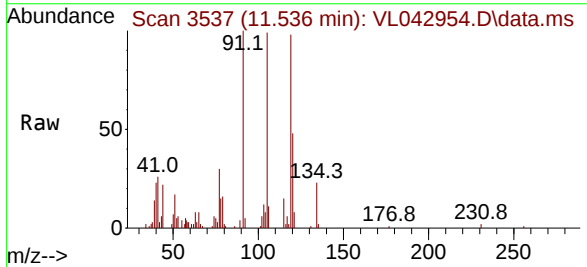
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

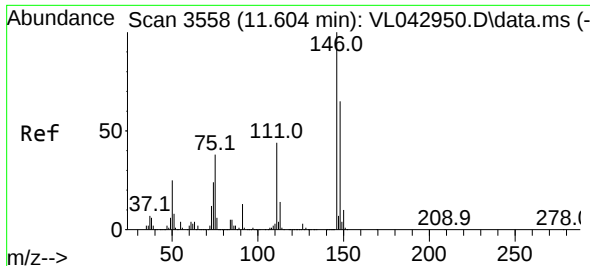
Tgt Ion:105 Resp: 5976
Ion Ratio Lower Upper
105 100
120 46.0 38.0 57.0



#74
1,2,4-Trimethylbenzene
Concen: 0.103 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:105 Resp: 6807
Ion Ratio Lower Upper
105 100
120 48.8 40.9 61.3
91 100.7 51.2 76.8#
77 29.3 18.4 27.6#

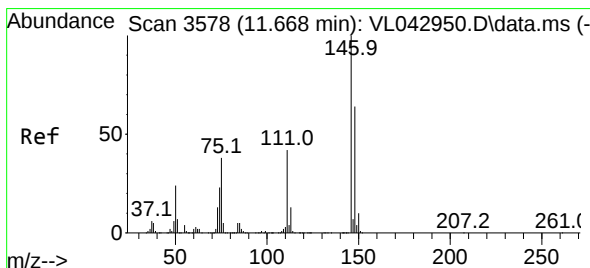
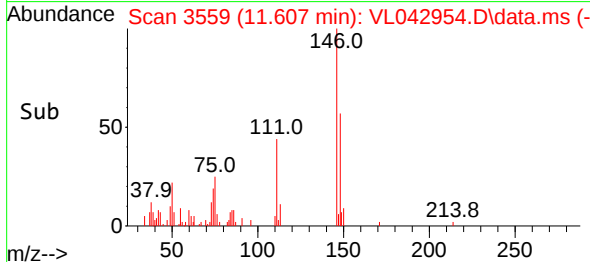
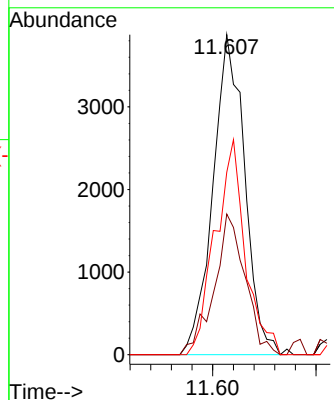
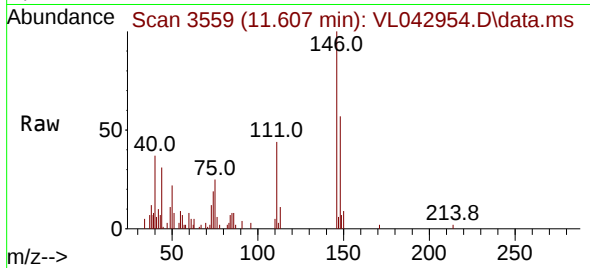




#75
1,3-Dichlorobenzene
Concen: 0.100 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

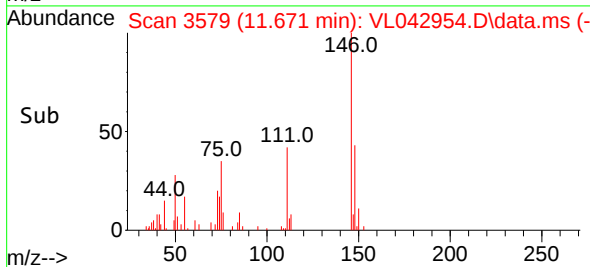
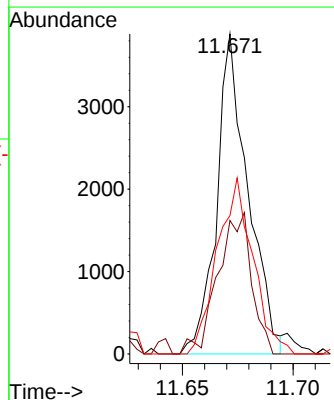
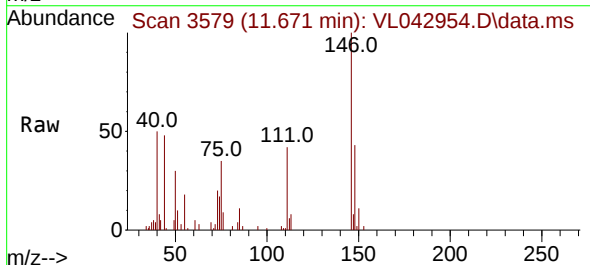
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

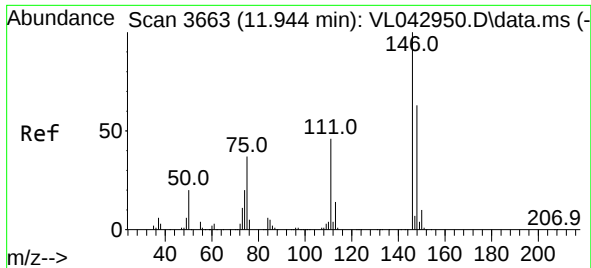
Tgt Ion:146 Resp: 4130
Ion Ratio Lower Upper
146 100
111 43.2 22.3 66.9
148 63.8 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 0.094 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:146 Resp: 3832
Ion Ratio Lower Upper
146 100
111 49.1 21.5 64.5
148 62.4 31.9 95.5

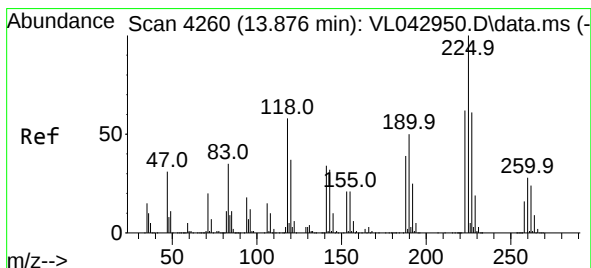
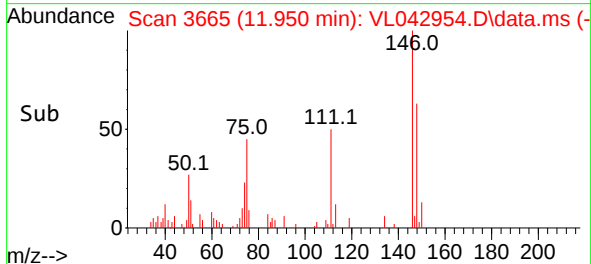
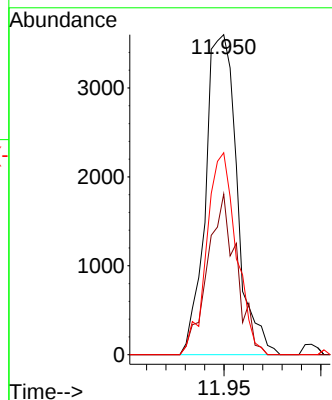
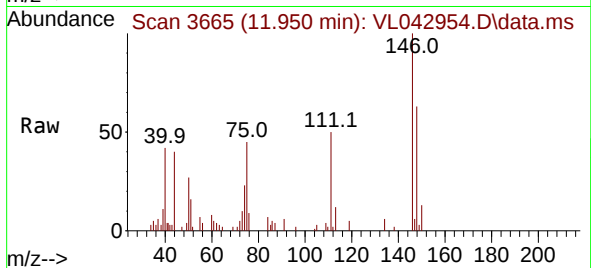




#77
1,2-Dichlorobenzene
Concen: 0.104 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

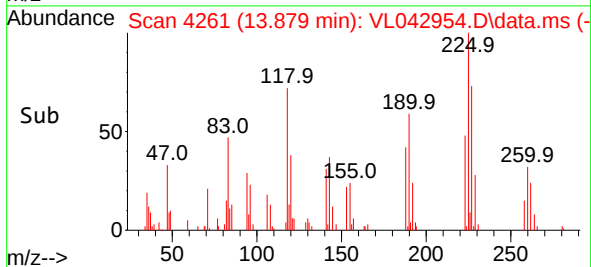
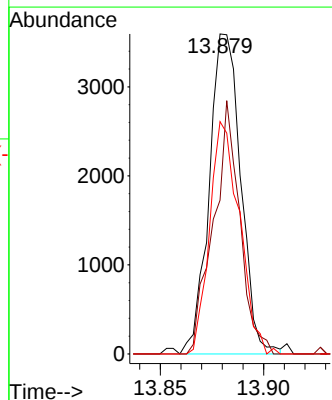
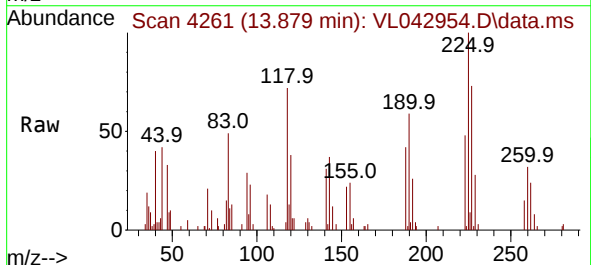
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

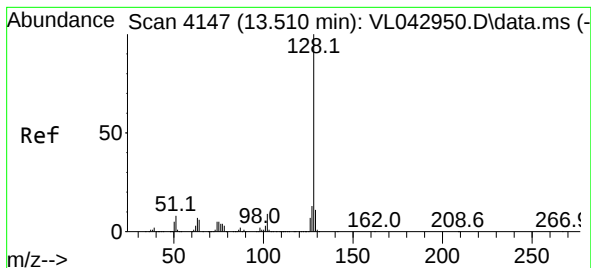
Tgt Ion:146 Resp: 4083
Ion Ratio Lower Upper
146 100
111 46.2 23.1 69.3
148 59.3 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.125 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion:225 Resp: 3820
Ion Ratio Lower Upper
225 100
223 66.1 50.1 75.1
227 68.7 50.4 75.6





#79

Naphthalene

Concen: 0.082 ppbv

RT: 13.516 min Scan# 4147

Delta R.T. 0.006 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

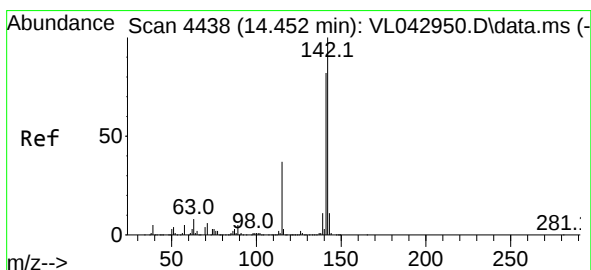
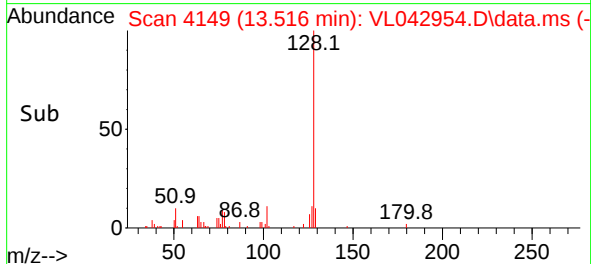
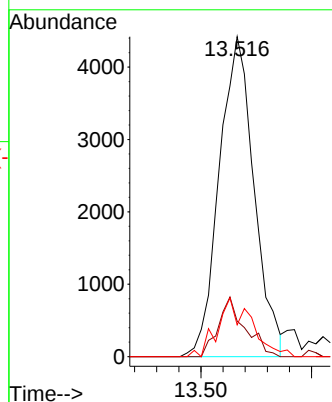
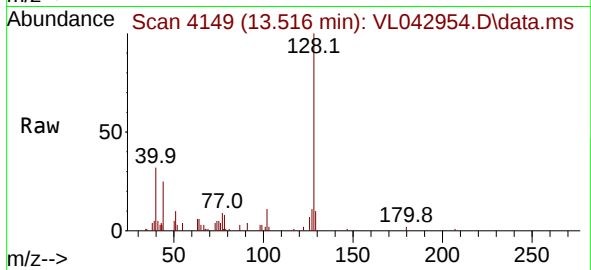
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:	128	Resp:	4836
Ion Ratio	Lower	Upper	
128	100		
127	11.1	10.6	15.8
129	10.0	9.0	13.6



#80

Naphthalene, 2-methyl-

Concen: 0.222 ppbv

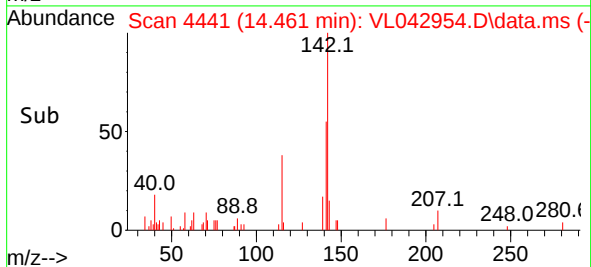
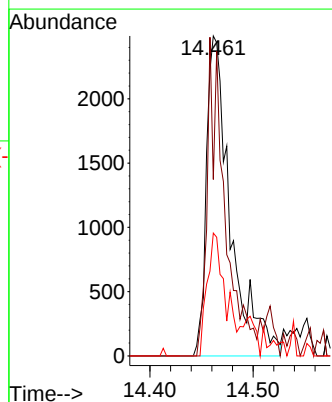
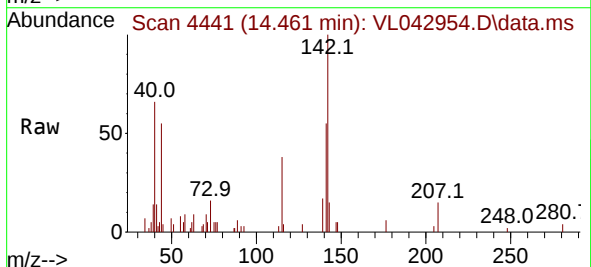
RT: 14.461 min Scan# 4441

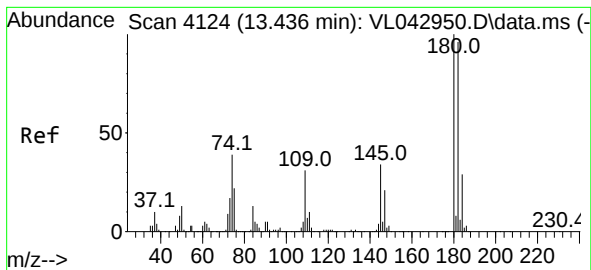
Delta R.T. 0.010 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Tgt Ion:	142	Resp:	4029
Ion Ratio	Lower	Upper	
142	100		
141	70.2	65.1	97.7
115	37.7	28.9	43.3





#81

1,2,4-Trichlorobenzene

Concen: 0.066 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042954.D

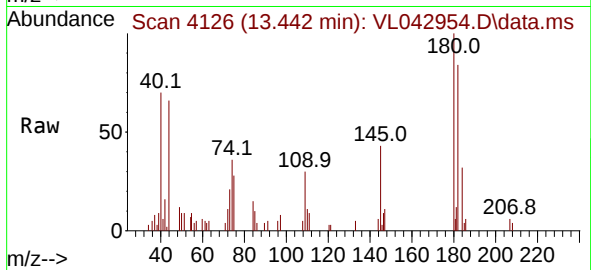
Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 2055

Ion Ratio Lower Upper

180 100

182 91.9 75.7 113.5

184 28.4 23.9 35.9

