

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042951.D
 Acq On : 22 Sep 2025 10:14
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Sep 23 02:09:14 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	170758	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	524389	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	483821	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	361586	10.012	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	47851	2.083	ppbv	97
3) Chlorodifluoromethane	1.476	51	58395	2.040	ppbv	95
4) Chloromethane	1.534	50	21326	2.051	ppbv	99
5) Vinyl Chloride	1.580	62	17892	1.904	ppbv	98
6) Bromomethane	1.667	94	6816	2.056	ppbv	96
7) Chloroethane	1.706	64	7250	1.987	ppbv #	85
8) Dichlorotetrafluoroethane	1.554	85	40306	2.056	ppbv	98
9) Propene	1.483	41	26007	2.088	ppbv	99
10) Heptane	4.978	43	66978	2.005	ppbv	99
11) Trichlorofluoromethane	1.877	101	45973	2.076	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	36490	2.035	ppbv	98
13) Ethanol	1.722	45	2989	2.504	ppbv	93
14) Bromoethene	1.784	108	14189	2.093	ppbv #	96
15) Acetone	1.835	43	50357	2.264	ppbv	99
16) 1,3-Butadiene	1.609	39	20729	1.976	ppbv	94
17) tert-Butyl alcohol	2.042	59	47749	1.957	ppbv #	93
18) 1,1-Dichloroethene	2.036	96	16572	1.996	ppbv	95
19) Isopropyl Alcohol	1.887	45	27930	2.089	ppbv #	79
20) Methylene Chloride	2.062	84	17413	2.097	ppbv #	84
21) Allyl Chloride	2.098	41	32985	2.130	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	18991	2.013	ppbv	98
23) Vinyl Acetate	2.463	43	64479	2.029	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	37865	2.047	ppbv	99
25) Ethyl Acetate	2.835	43	117567	2.092	ppbv	99
26) Hexane	2.826	57	53034	2.070	ppbv	98
27) Carbon Disulfide	2.153	76	47660	2.074	ppbv #	60
28) Methyl tert-Butyl Ether	2.441	73	25348	1.903	ppbv	92
29) Chloroform	2.848	83	69599	2.077	ppbv	96
30) Cyclohexane	3.855	84	43725	2.041	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	50019	2.084	ppbv	95
32) 1,1,1-Trichloroethane	3.366	97	70729	1.948	ppbv	97
34) 2-Butanone	2.557	43	77689	2.114	ppbv	98
35) Carbon Tetrachloride	3.761	117	68858	2.041	ppbv	95
36) Benzene	3.658	78	101901	2.069	ppbv	97
37) 1,2-Dichloroethane	3.217	62	53130	2.052	ppbv	98
38) Trichloroethene	4.548	130	47424	1.938	ppbv	94
39) 1,2-Dichloropropane	4.308	63	22120	1.230	ppbv	96
40) 1,4-Dioxane	4.586	88	15831	1.895	ppbv #	77
41) Tetrahydrofuran	3.056	42	43962	2.081	ppbv	98
42) Bromodichloromethane	4.486	83	73675	2.042	ppbv	98
43) Methyl Methacrylate	4.881	69	41527	2.077	ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	177242	2.083	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	44171	2.055	ppbv	91

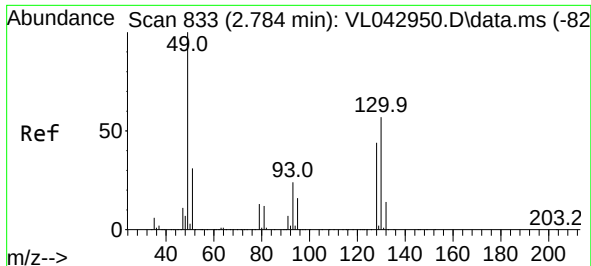
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042951.D
 Acq On : 22 Sep 2025 10:14
 Operator : SY/MD
 Sample : VSTDICC002
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Sep 23 02:09:14 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)
46) cis-1,3-Dichloropropene	5.596	75	56335	2.057	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	20092	1.057	ppbv	92
48) Dibromochloromethane	7.383	129	62968	2.072	ppbv	98
49) Bromoform	9.480	173	56021	2.119	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	44119	0.893	ppbv #	16
51) 2-Hexanone	7.438	43	80620	2.053	ppbv	99
52) Tetrachloroethene	8.224	164	36853	1.934	ppbv	94
53) Toluene	6.933	91	121268	2.081	ppbv	100
54) 1,2-Dibromoethane	7.652	107	55022	2.058	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.920	131	48901	2.112	ppbv	98
57) Chlorobenzene	8.924	112	91325	2.068	ppbv	94
58) Ethyl Benzene	9.354	91	168063	2.115	ppbv	99
59) m/p-Xylene	9.532	91	130749	2.086	ppbv #	100
60) o-Xylene	9.963	91	131507	2.101	ppbv	98
61) Styrene	9.869	104	62748	2.119	ppbv	98
62) Isopropylbenzene	10.539	105	196198	2.103	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	65089	1.978	ppbv	98
64) n-propylbenzene	10.985	120	50569	2.074	ppbv	93
65) tert-Butylbenzene	11.529	119	178218	2.147	ppbv	98
66) Benzyl Chloride	11.613	91	18992	2.181	ppbv	98
67) sec-Butylbenzene	11.765	105	249510	2.158	ppbv	100
69) p-Isopropyltoluene	11.924	119	210808	2.158	ppbv	97
70) n-Butylbenzene	12.280	91	206691	2.167	ppbv	100
71) 2-Chlorotoluene	10.898	91	147901	2.099	ppbv	100
72) 4-Ethyltoluene	11.124	105	164770	2.102	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	135344	2.128	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	150772	2.147	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	92487	2.124	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	92794	2.145	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	88825	2.144	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	70481	2.175	ppbv	99
79) Naphthalene	13.510	128	142653	2.297	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	41369	2.157	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	75139	2.263	ppbv	99

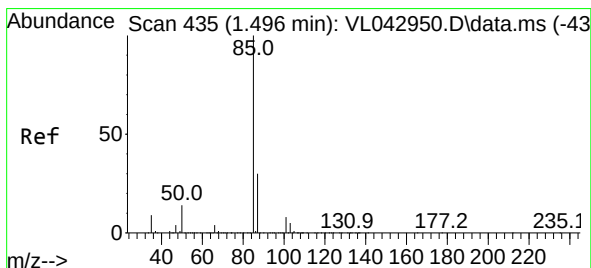
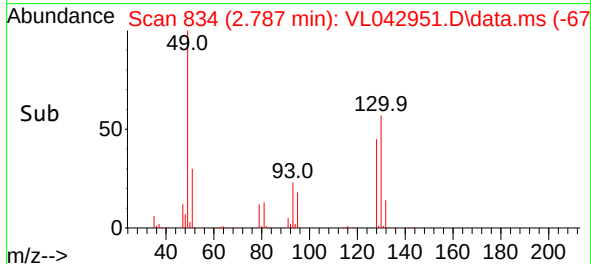
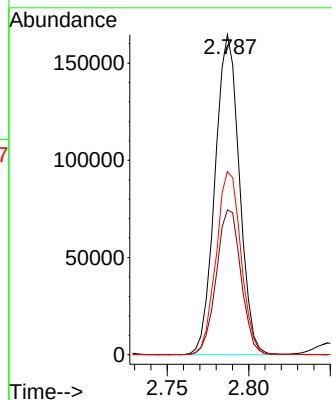
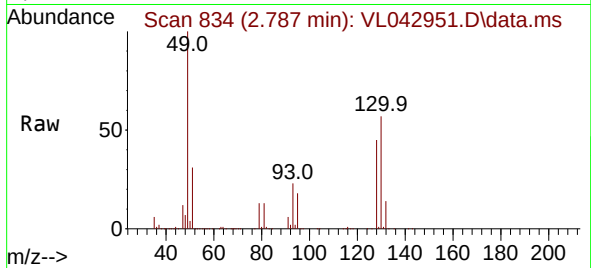
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

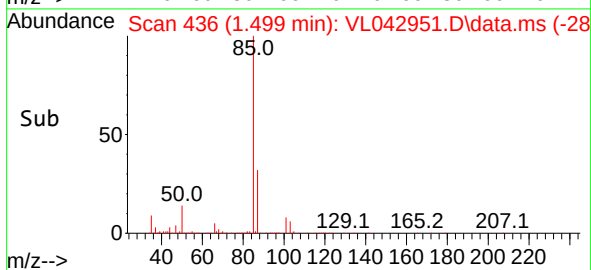
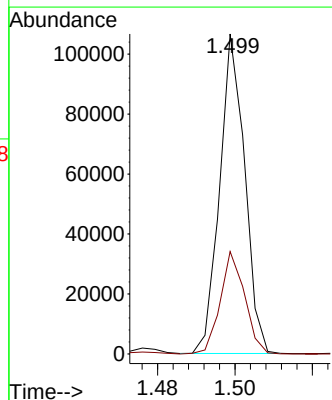
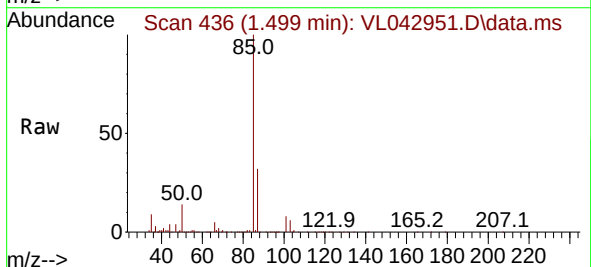
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

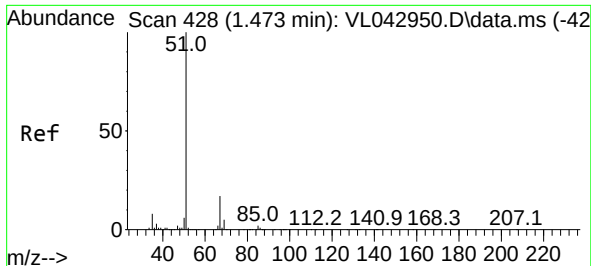
Tgt Ion: 49 Resp: 170758
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.8
130 58.5 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 85 Resp: 47851
Ion Ratio Lower Upper
85 100
87 32.0 24.3 36.5

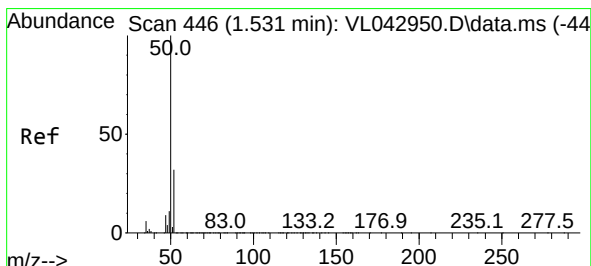
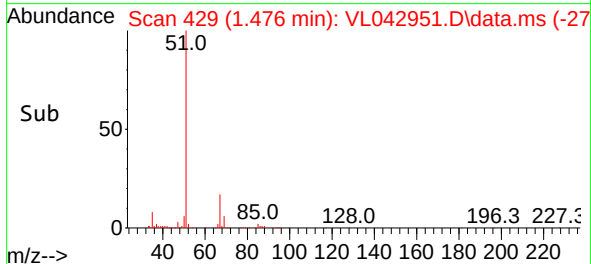
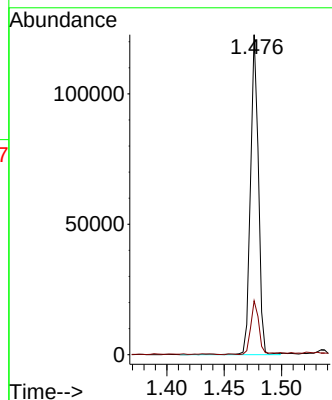
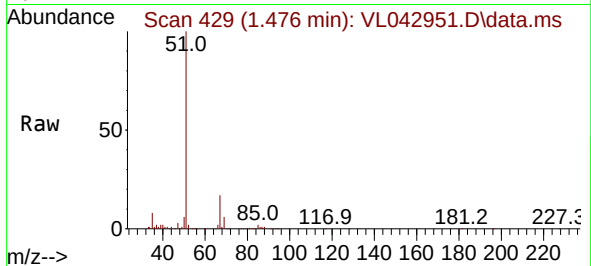




#3
Chlorodifluoromethane
Concen: 2.040 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

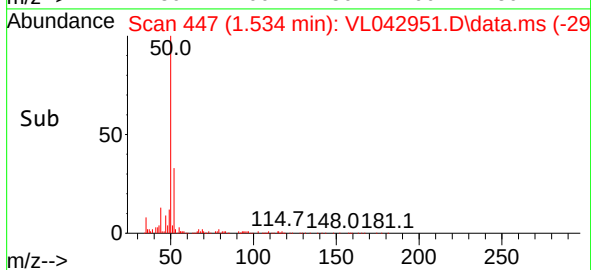
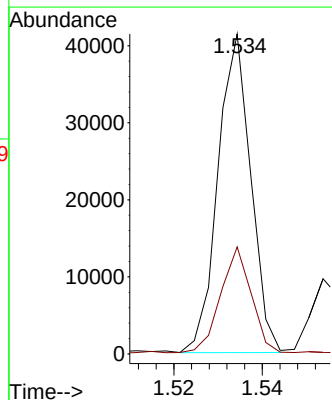
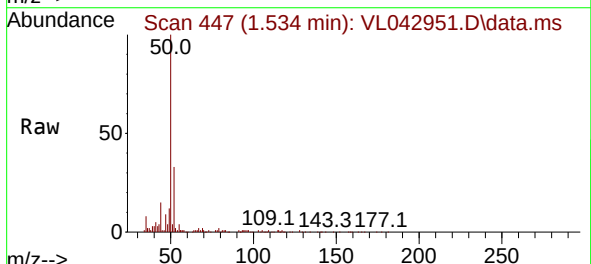
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ClientSampleId :
VSTDICC002

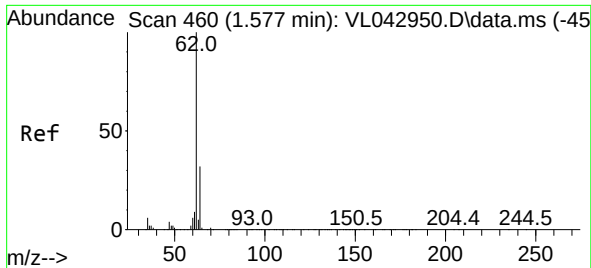
Tgt Ion: 51 Resp: 58395
Ion Ratio Lower Upper
51 100
67 19.4 13.8 20.8



#4
Chloromethane
Concen: 2.051 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 50 Resp: 21326
Ion Ratio Lower Upper
50 100
52 33.2 25.9 38.9

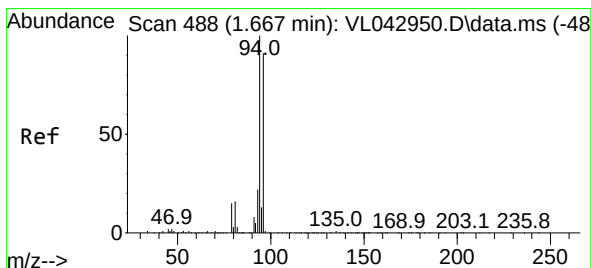
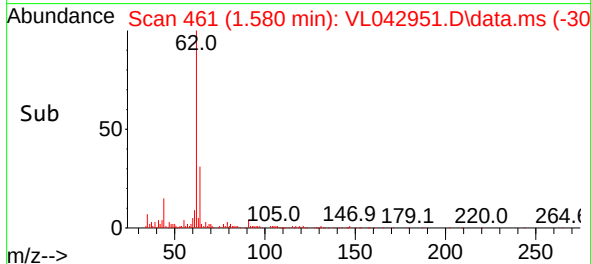
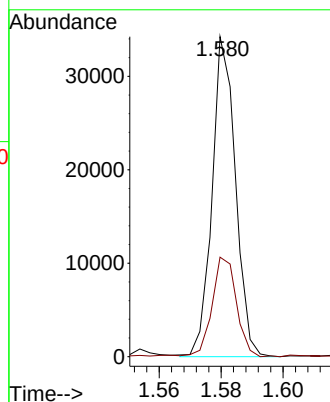
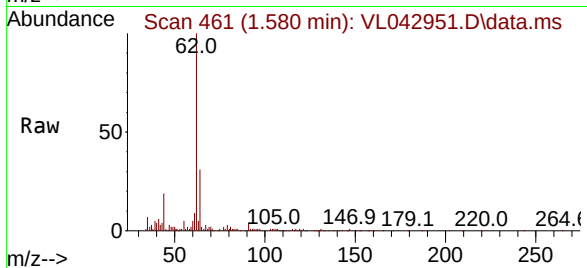




#5
 Vinyl Chloride
 Concen: 1.904 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

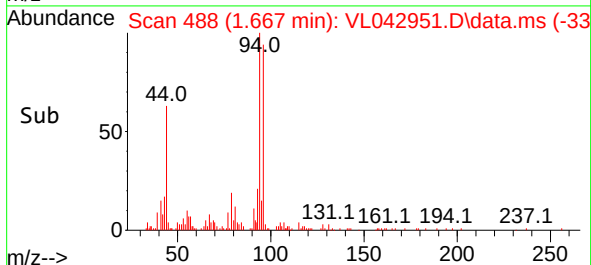
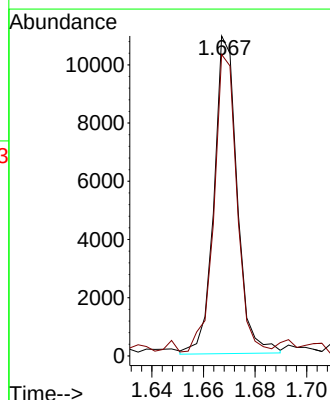
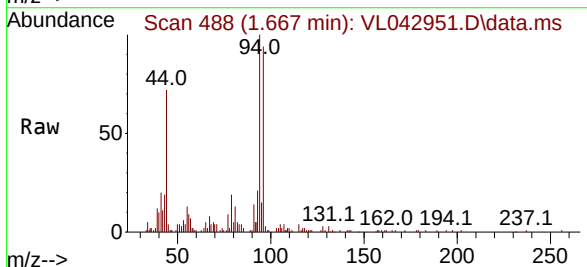
Instrument :
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 ClientSampleId :
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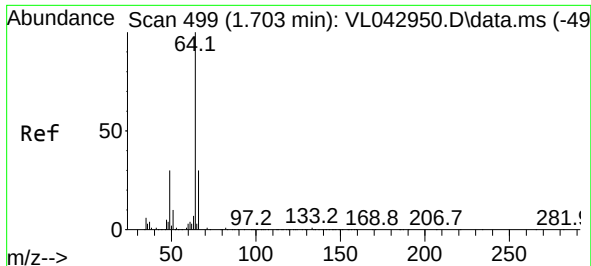
Tgt Ion: 62 Resp: 17892
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.4 38.2



#6
 Bromomethane
 Concen: 2.056 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

Tgt Ion: 94 Resp: 6816
 Ion Ratio Lower Upper
 94 100
 96 94.4 72.6 108.8

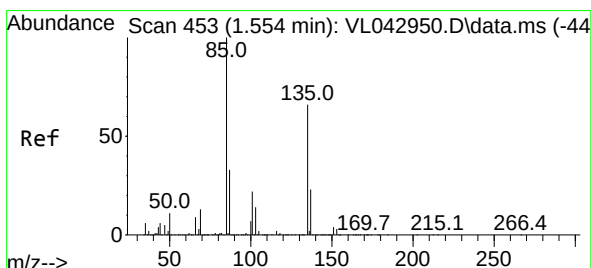
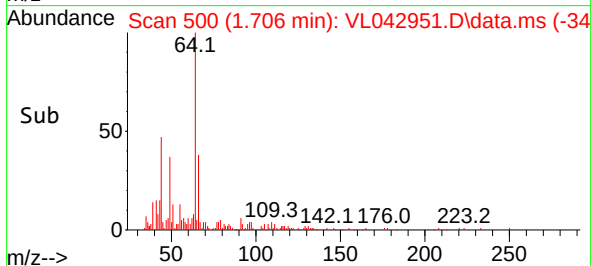
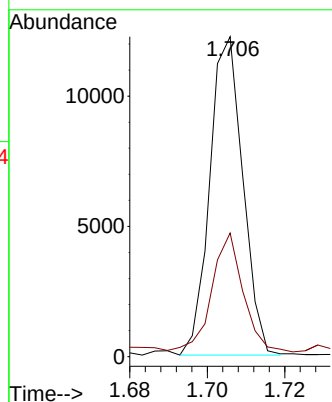
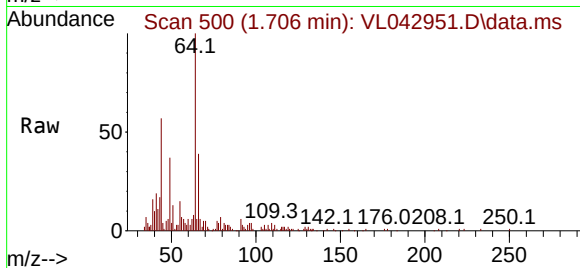




#7
Chloroethane
Concen: 1.987 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

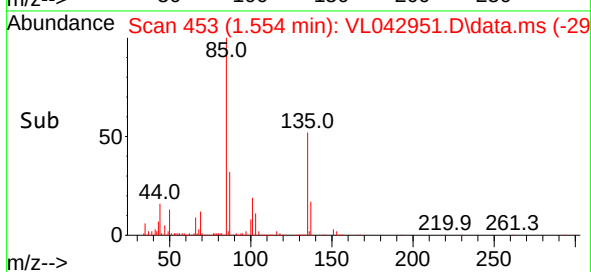
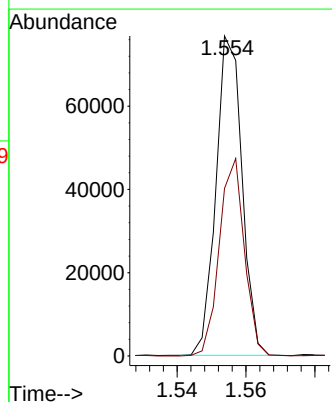
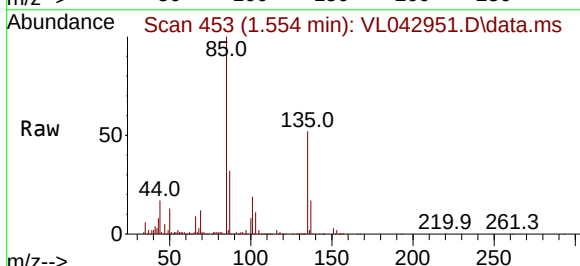
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

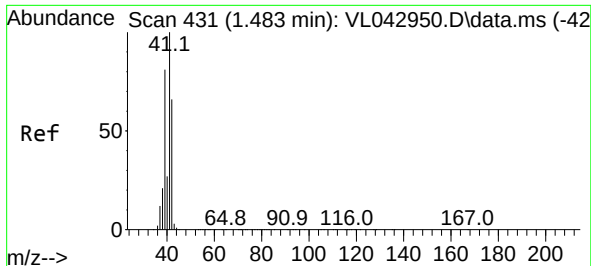
Tgt Ion: 64 Resp: 7250
Ion Ratio Lower Upper
64 100
66 38.7 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 2.056 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 85 Resp: 40306
Ion Ratio Lower Upper
85 100
135 60.2 49.7 74.5





#9

Propene

Concen: 2.088 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

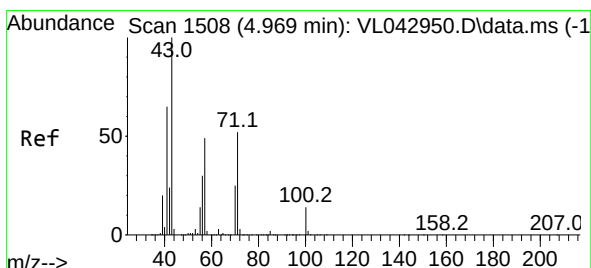
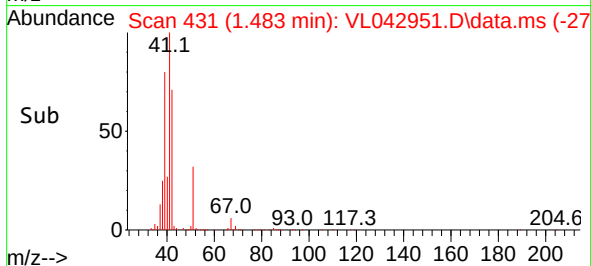
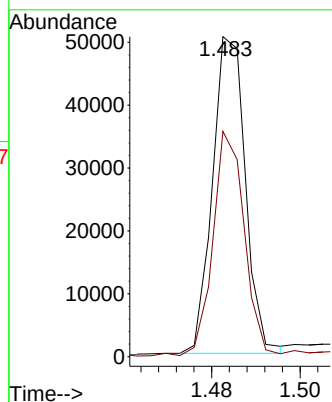
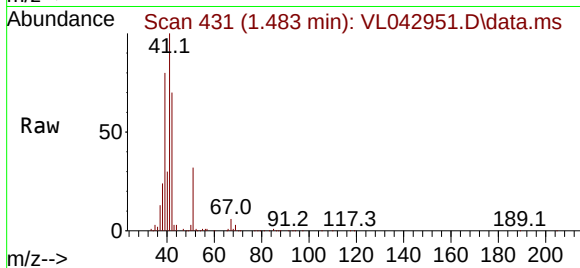
VSTDIC002

Tgt Ion: 41 Resp: 26007

Ion Ratio Lower Upper

41 100

42 72.4 57.4 86.2



#10

Heptane

Concen: 2.005 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.010 min

Lab File: VL042951.D

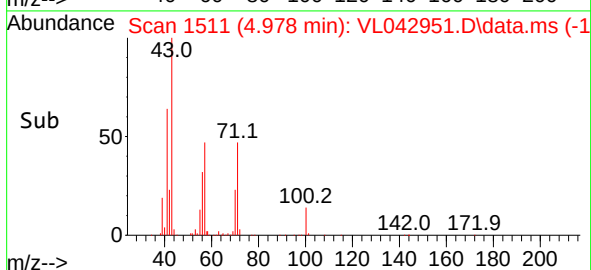
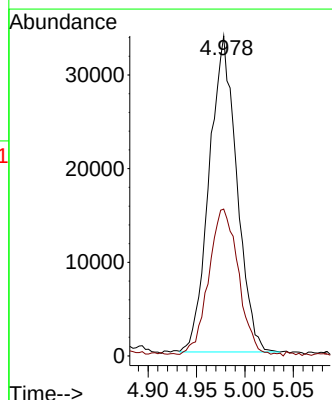
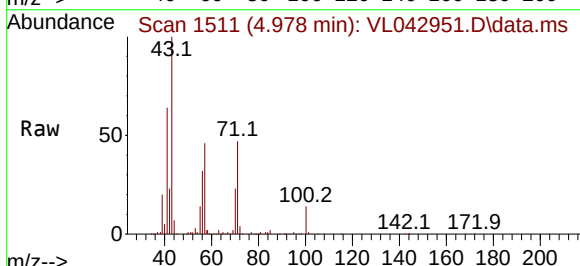
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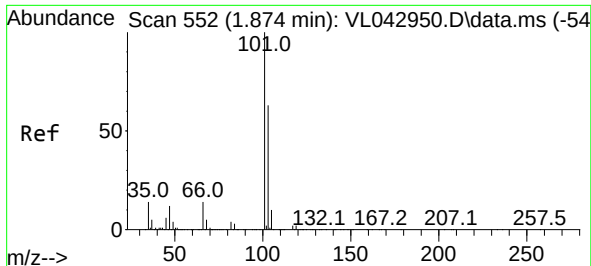
Tgt Ion: 43 Resp: 66978

Ion Ratio Lower Upper

43 100

57 49.1 38.6 57.8

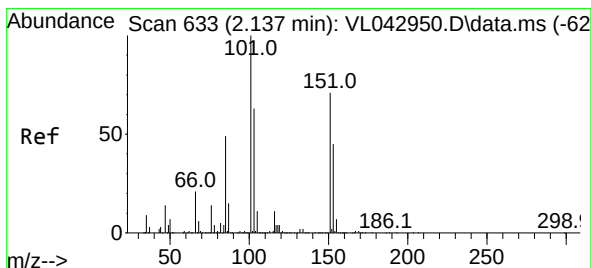
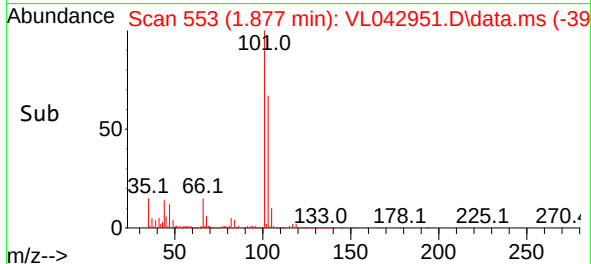
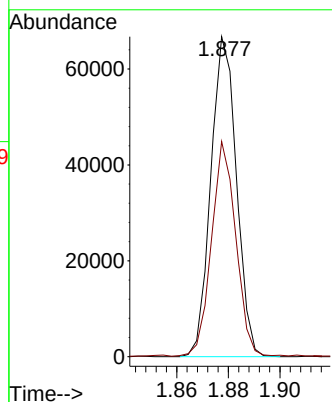
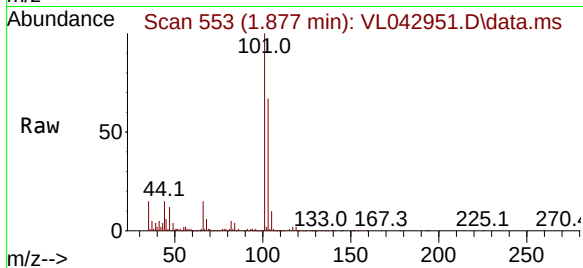




#11
 Trichlorofluoromethane
 Concen: 2.076 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

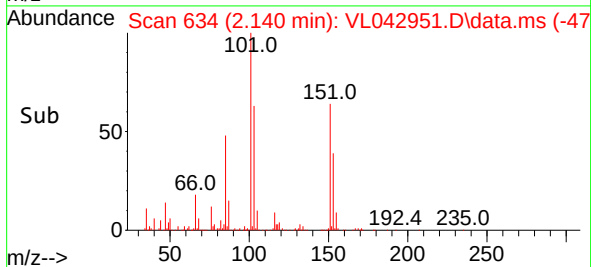
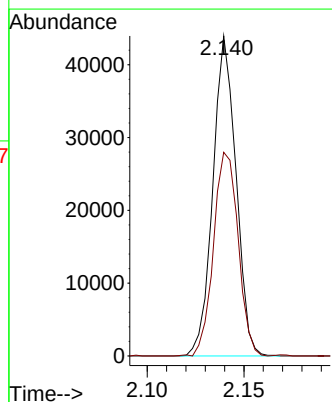
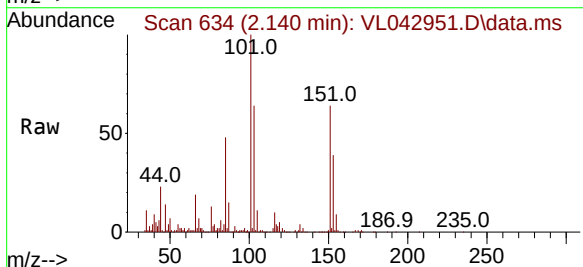
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 MSVOA_L
 ClientSampleId :
 VSTDIC002

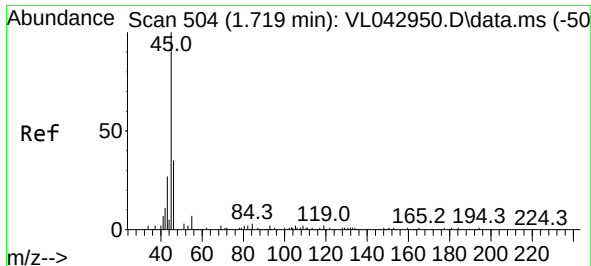
Tgt Ion:101 Resp: 45973
 Ion Ratio Lower Upper
 101 100
 103 66.9 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.035 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

Tgt Ion:101 Resp: 36490
 Ion Ratio Lower Upper
 101 100
 151 67.9 55.7 83.5

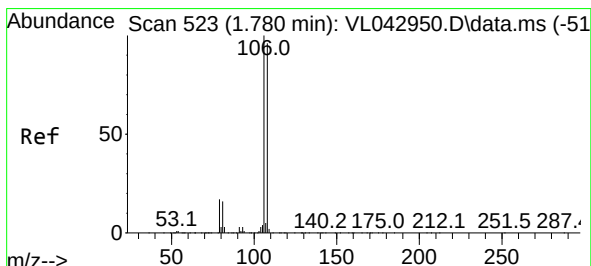
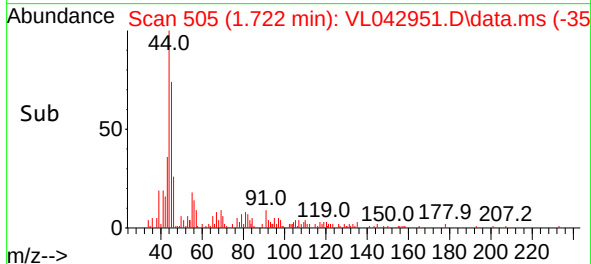
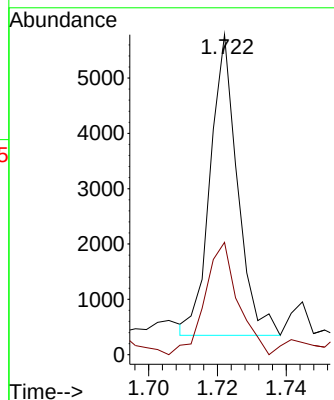
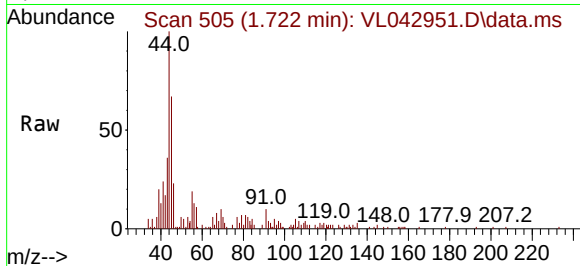




#13
Ethanol
Concen: 2.504 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

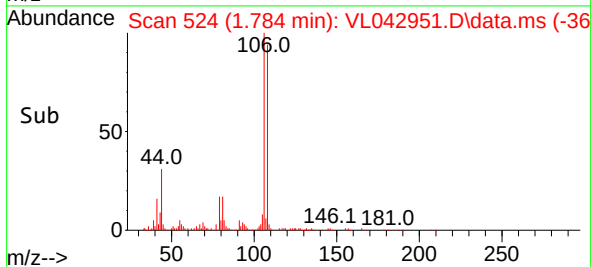
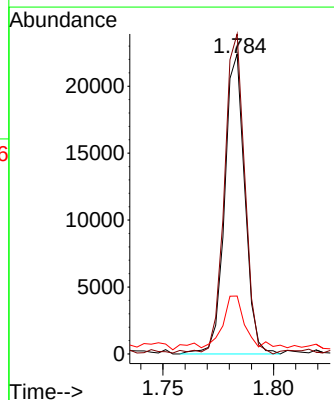
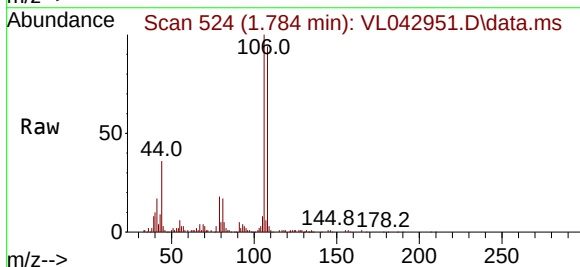
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

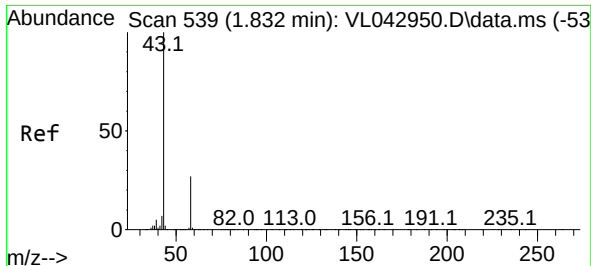
Tgt Ion: 45 Resp: 2989
Ion Ratio Lower Upper
45 100
46 36.0 16.2 64.6



#14
Bromoethene
Concen: 2.093 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 108 Resp: 14189
Ion Ratio Lower Upper
108 100
106 109.5 86.0 129.0
79 26.5 14.2 21.2#

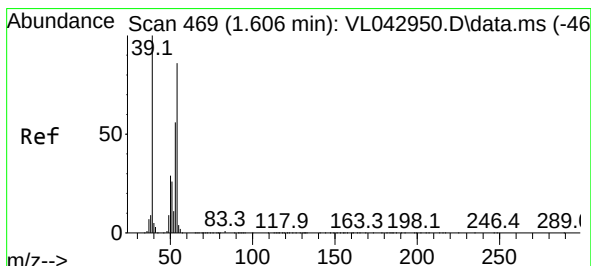
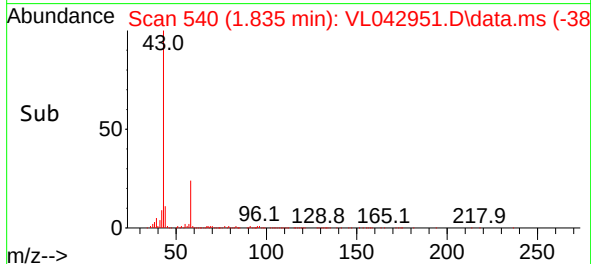
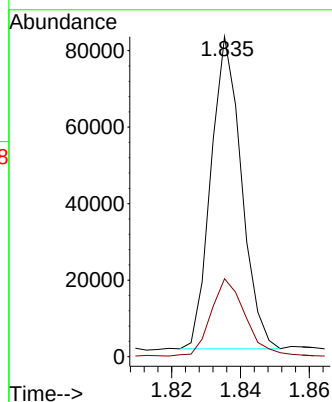
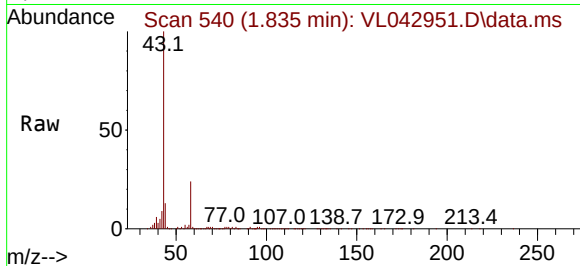




#15
Acetone
Concen: 2.264 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

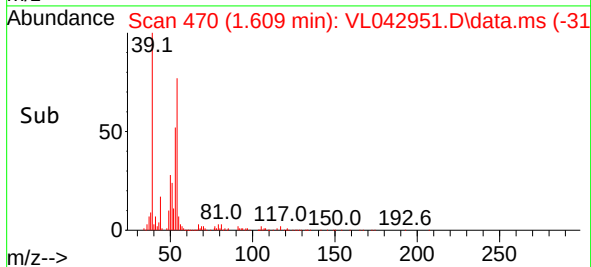
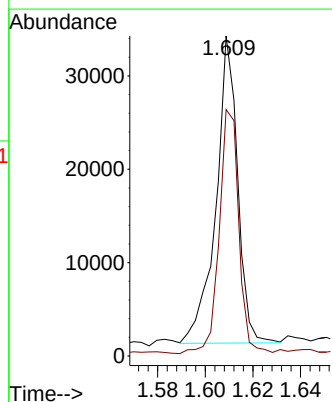
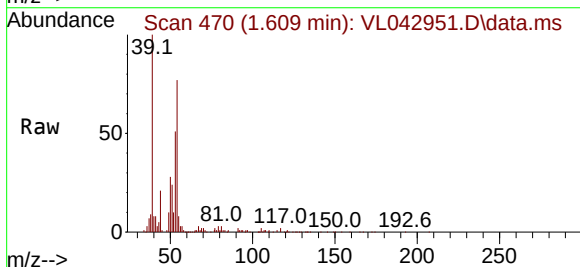
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

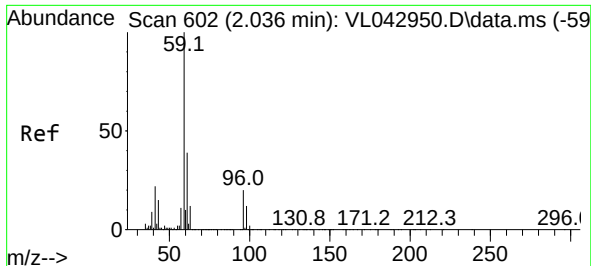
Tgt Ion: 43 Resp: 50357
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



#16
1,3-Butadiene
Concen: 1.976 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 39 Resp: 20729
Ion Ratio Lower Upper
39 100
54 80.8 60.8 91.2





#17

tert-Butyl alcohol

Concen: 1.957 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

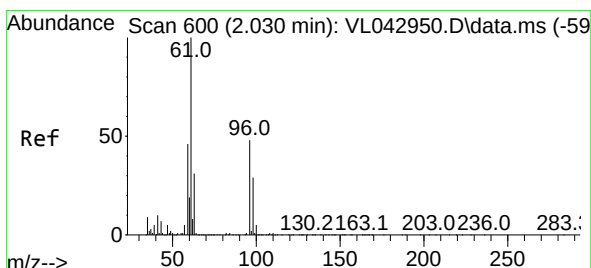
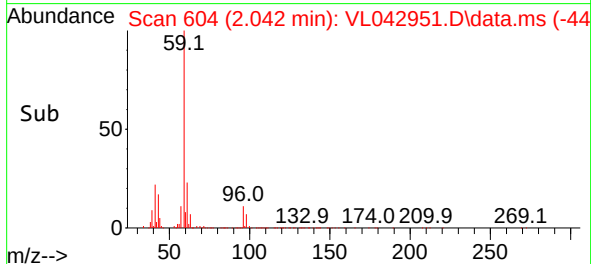
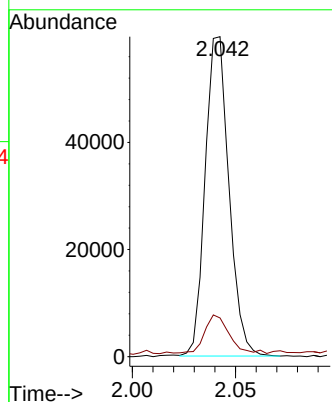
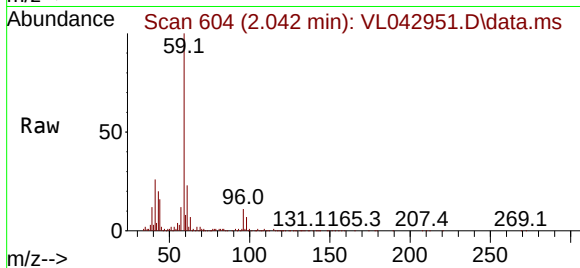
VSTDIC002

Tgt Ion: 59 Resp: 47749

Ion Ratio Lower Upper

59 100

57 13.4 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 1.996 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

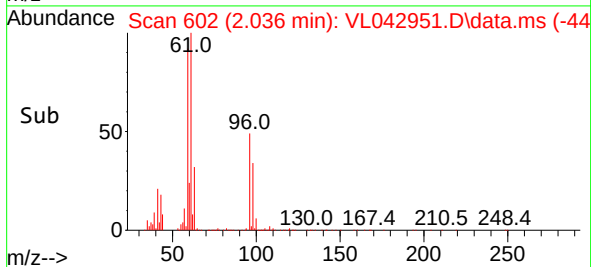
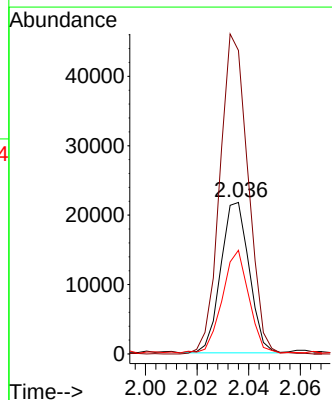
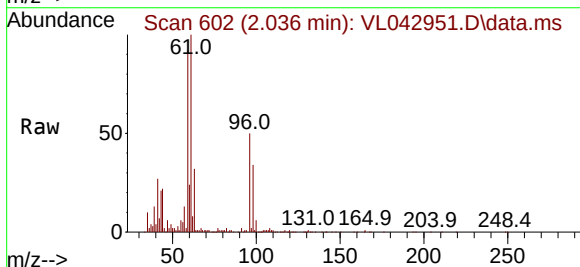
Tgt Ion: 96 Resp: 16572

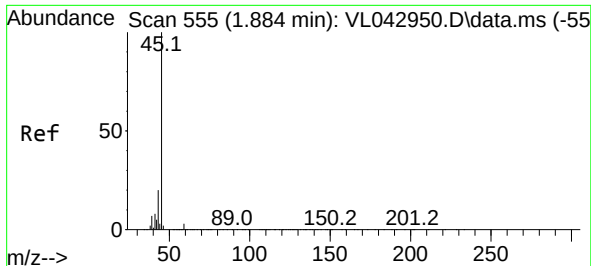
Ion Ratio Lower Upper

96 100

61 201.8 166.2 249.4

98 68.2 48.6 73.0

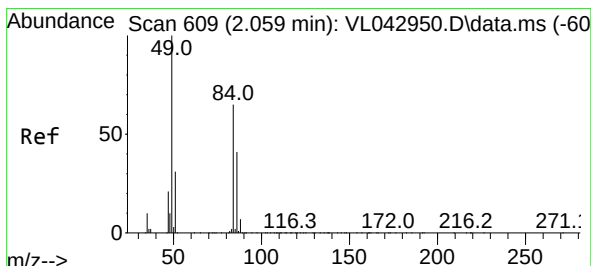
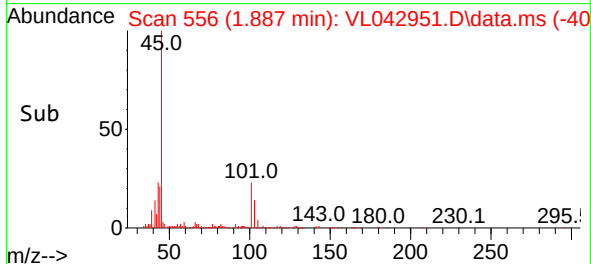
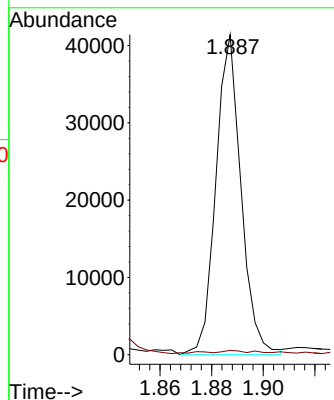
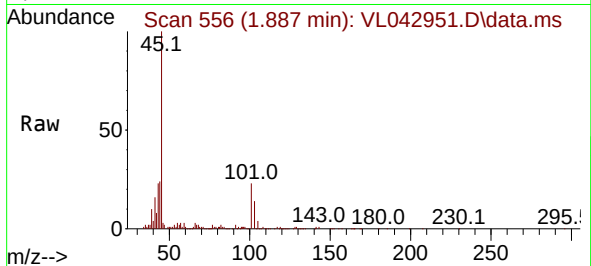




#19
Isopropyl Alcohol
Concen: 2.089 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

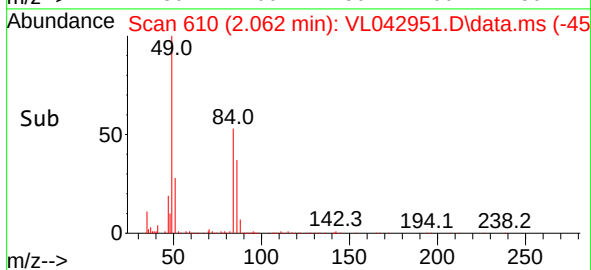
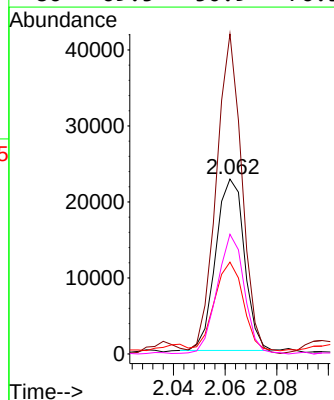
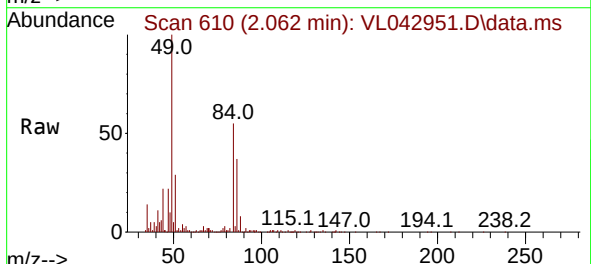
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

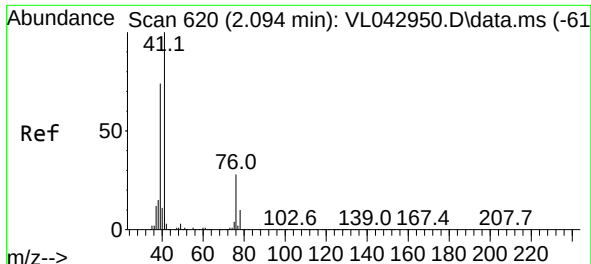
Tgt Ion: 45 Resp: 27930
Ion Ratio Lower Upper
45 100
58 51.6 31.0 46.6#



#20
Methylene Chloride
Concen: 2.097 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 84 Resp: 17413
Ion Ratio Lower Upper
84 100
49 186.6 124.1 186.1#
51 51.7 39.8 59.8
86 69.5 50.9 76.3

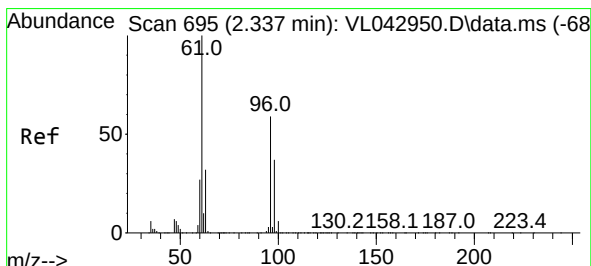
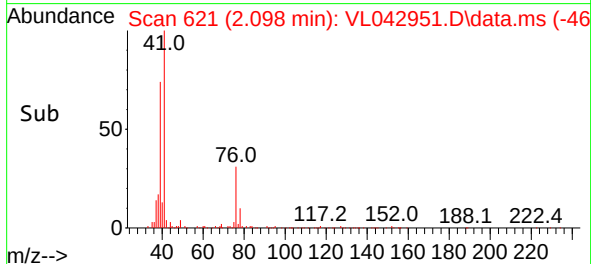
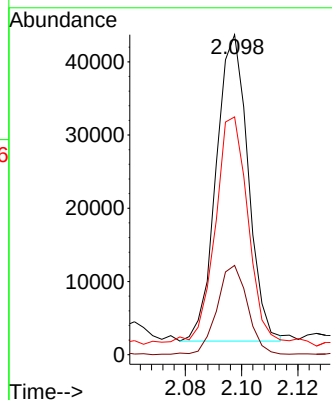
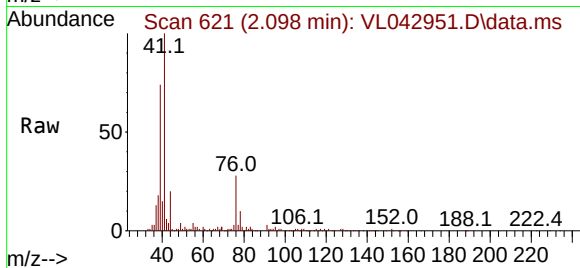




#21
 Allyl Chloride
 Concen: 2.130 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

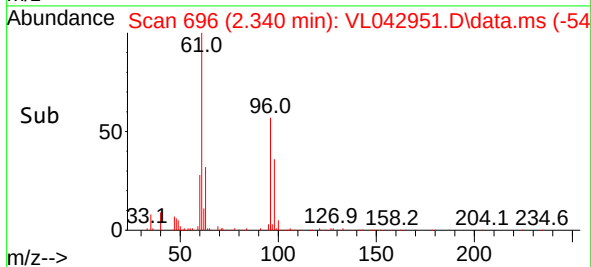
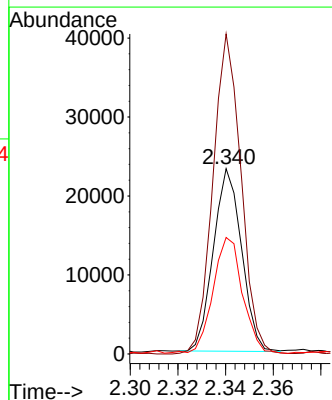
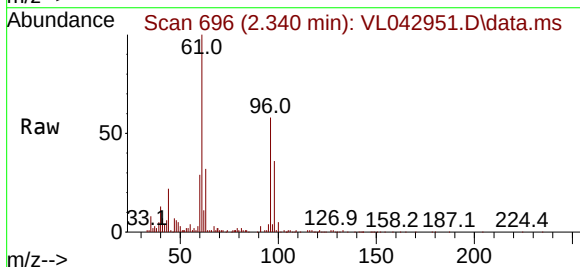
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

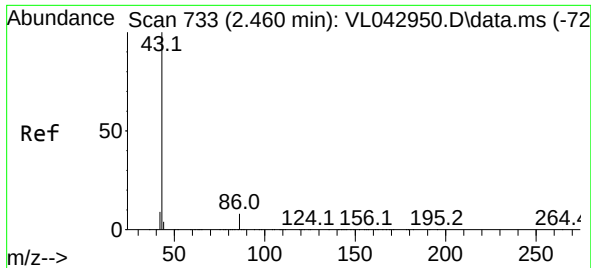
Tgt Ion: 41 Resp: 32985
 Ion Ratio Lower Upper
 41 100
 76 27.9 22.3 33.5
 39 76.0 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 2.013 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

Tgt Ion: 96 Resp: 18991
 Ion Ratio Lower Upper
 96 100
 61 175.1 136.5 204.7
 98 63.3 50.6 76.0

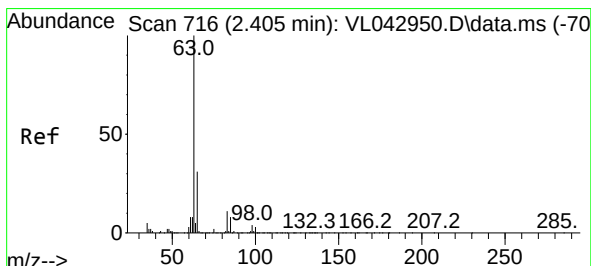
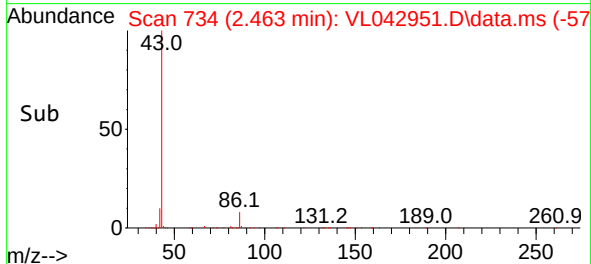
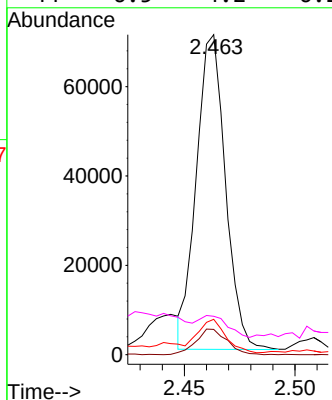
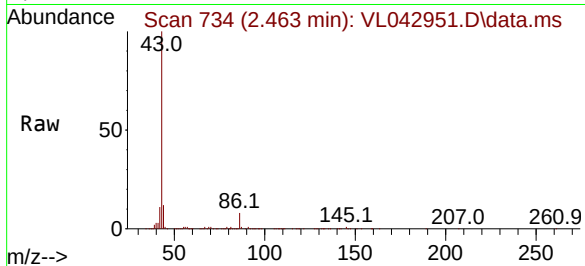




#23
 Vinyl Acetate
 Concen: 2.029 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

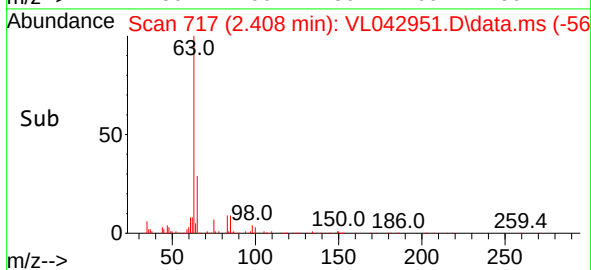
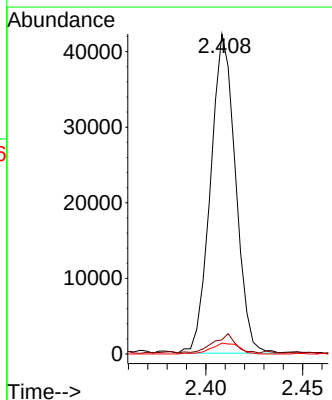
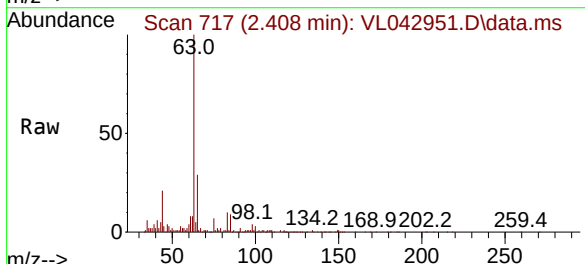
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

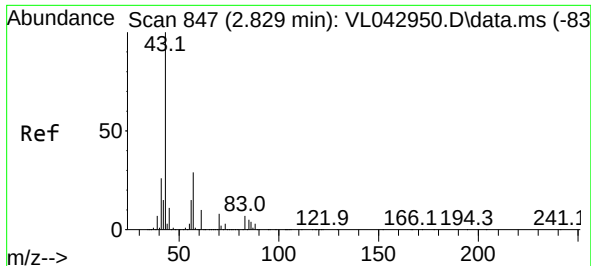
Tgt Ion:	43	Resp:	64479
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.2
42	10.3	7.4	11.0
44	6.5	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 2.047 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

Tgt Ion:	63	Resp:	37865
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.2	6.6
100	3.4	1.4	4.0

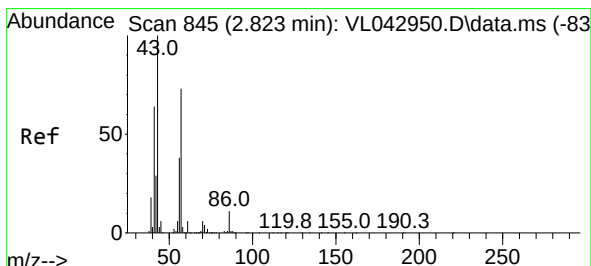
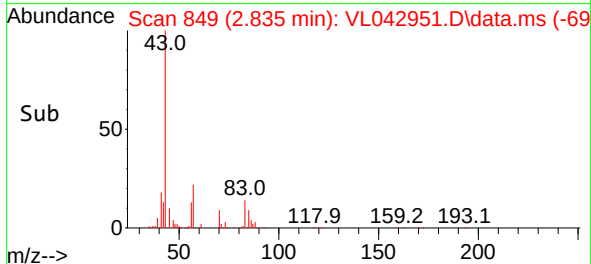
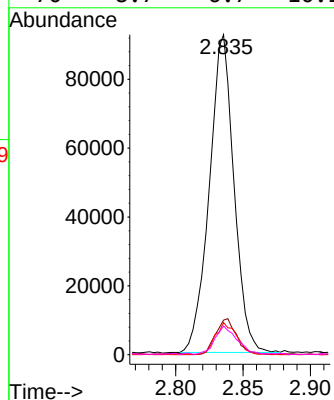
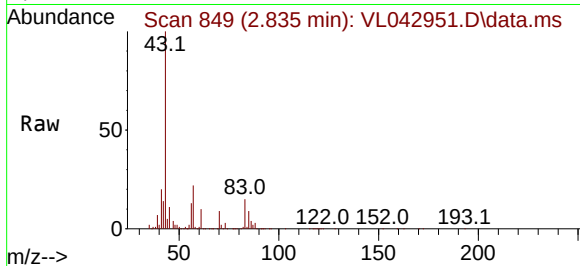




#25
Ethyl Acetate
Concen: 2.092 ppbv
RT: 2.835 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

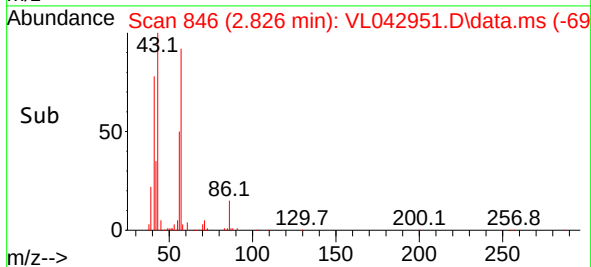
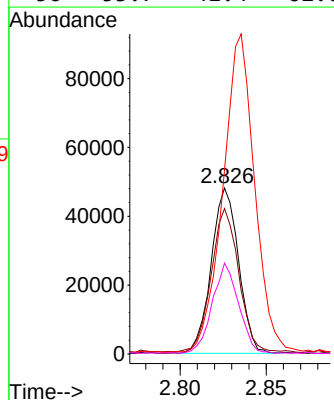
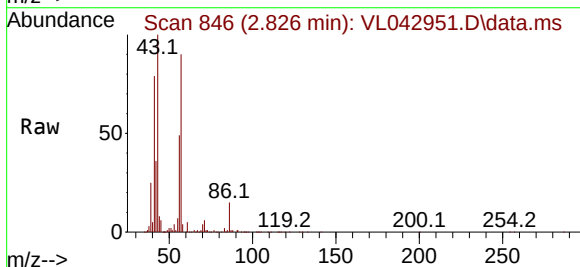
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

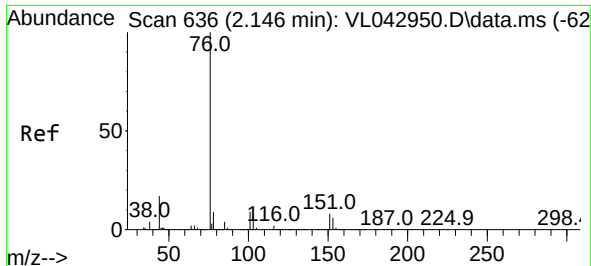
Tgt Ion: 43 Resp: 117567
Ion Ratio Lower Upper
43 100
45 10.4 7.7 11.5
61 8.8 7.1 10.7
70 8.7 6.7 10.1



#26
Hexane
Concen: 2.070 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 57 Resp: 53034
Ion Ratio Lower Upper
57 100
41 88.1 71.7 107.5
43 223.2 180.8 271.2
56 53.7 41.4 62.0





#27

Carbon Disulfide

Concen: 2.074 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

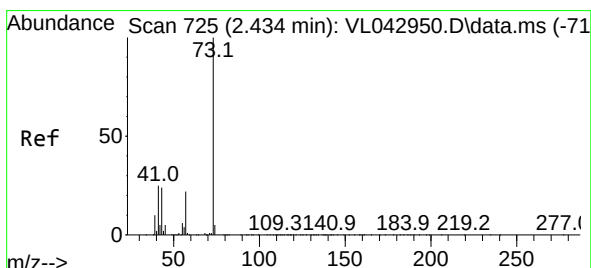
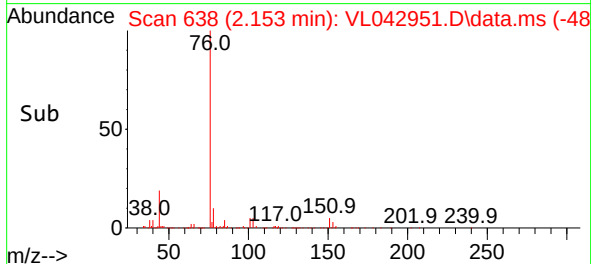
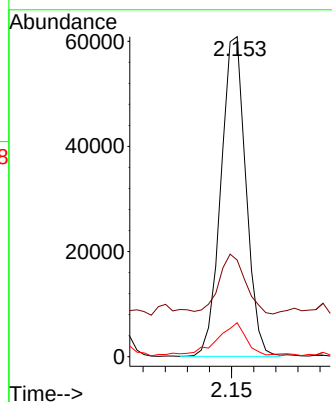
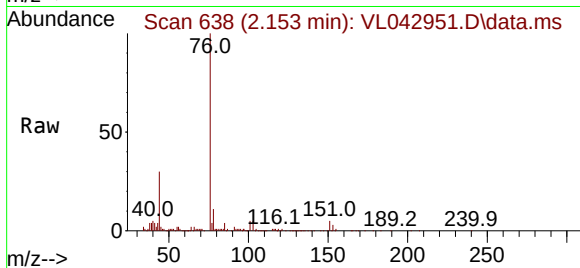
Tgt Ion: 76 Resp: 47660

Ion Ratio Lower Upper

76 100

44 46.5 15.6 23.4#

78 13.1 8.9 13.3



#28

Methyl tert-Butyl Ether

Concen: 1.903 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.006 min

Lab File: VL042951.D

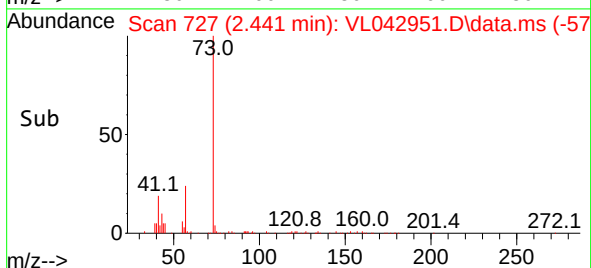
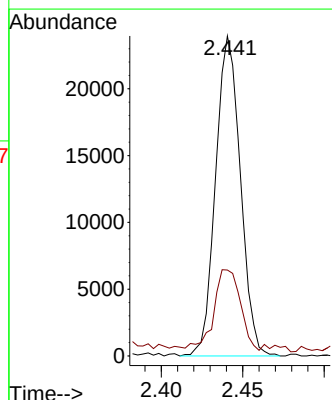
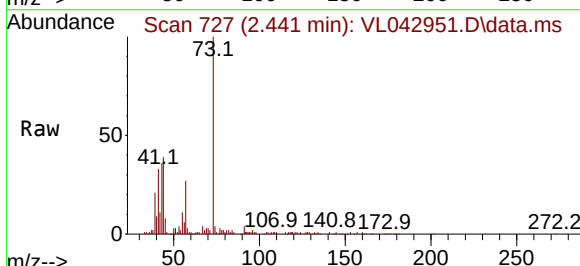
Acq: 22 Sep 2025 10:14

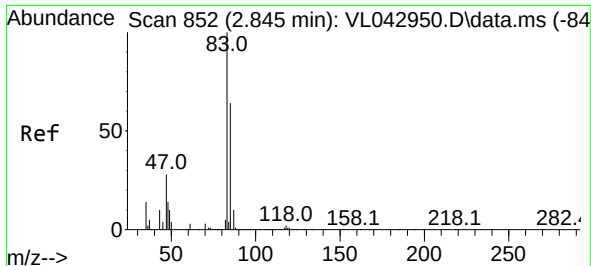
Tgt Ion: 73 Resp: 25348

Ion Ratio Lower Upper

73 100

57 29.8 20.6 31.0





#29

Chloroform

Concen: 2.077 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

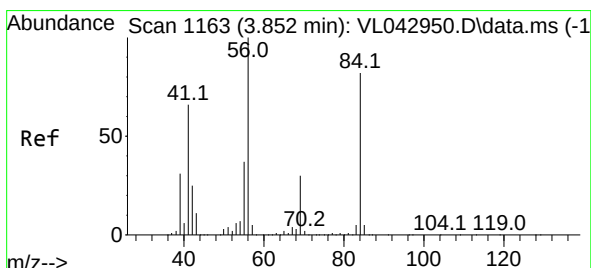
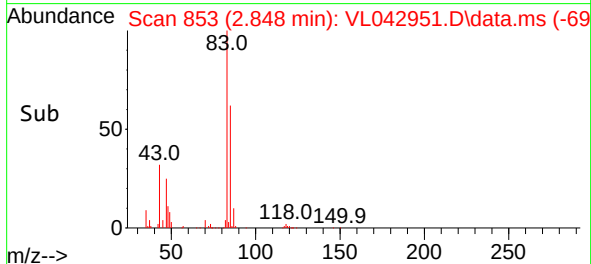
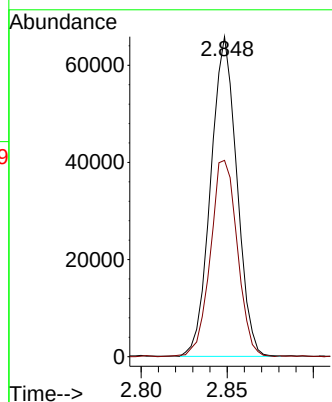
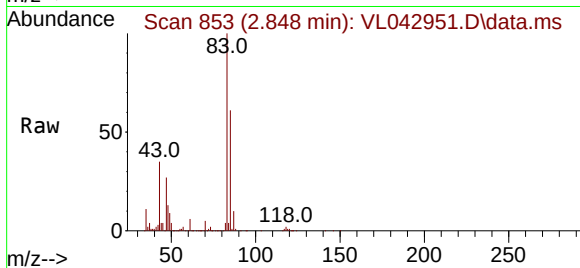
VSTDIC002

Tgt Ion: 83 Resp: 69599

Ion Ratio Lower Upper

83 100

85 61.2 51.2 76.8



#30

Cyclohexane

Concen: 2.041 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

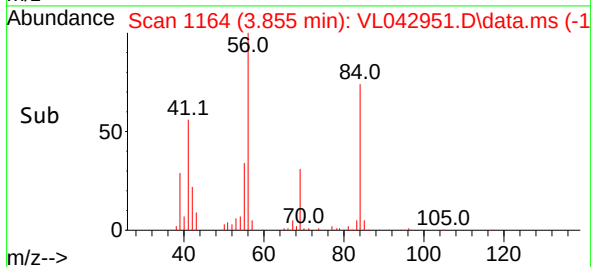
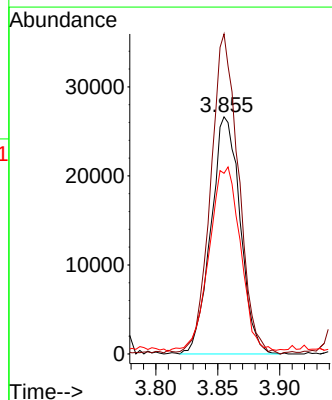
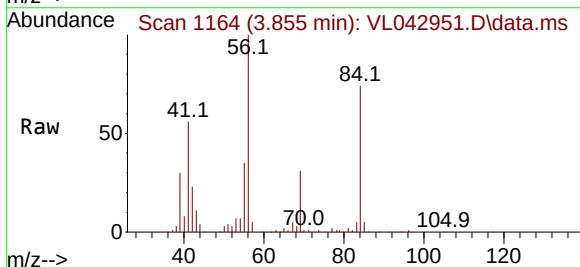
Tgt Ion: 84 Resp: 43725

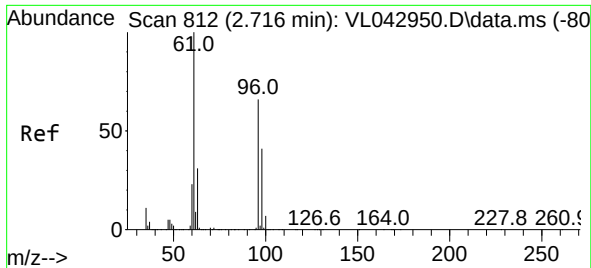
Ion Ratio Lower Upper

84 100

56 129.8 102.2 153.4

41 81.2 65.6 98.4

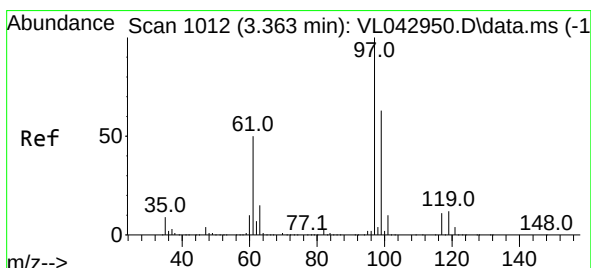
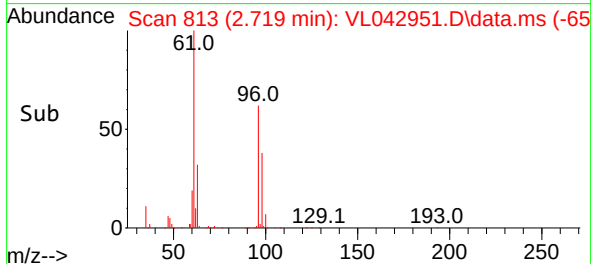
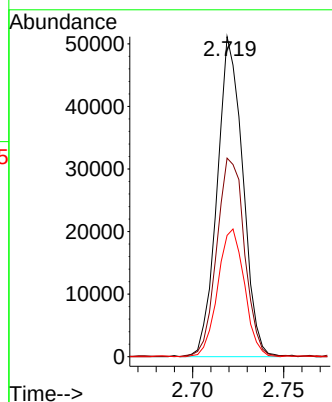
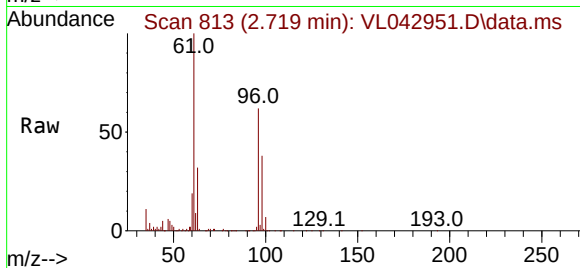




#31
 cis-1,2-Dichloroethene
 Concen: 2.084 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

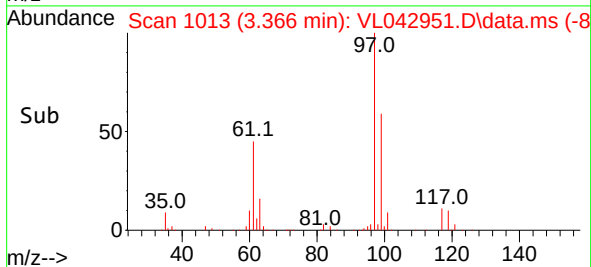
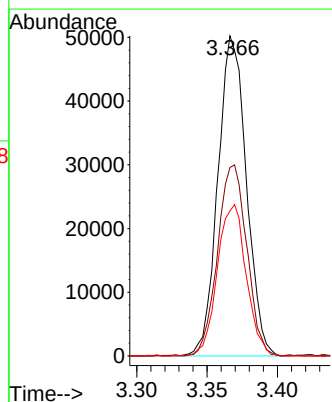
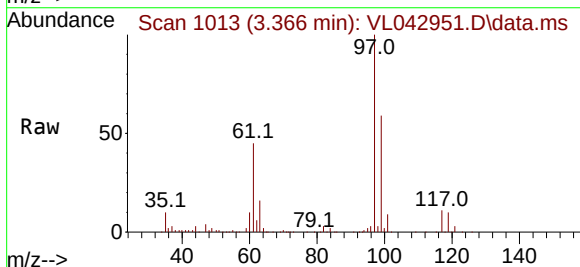
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

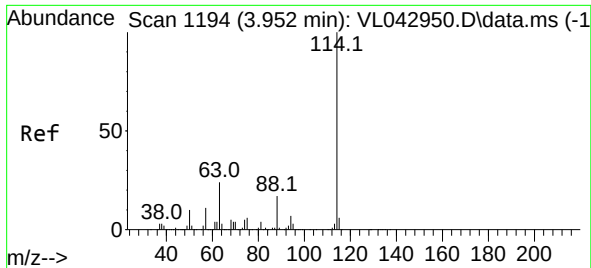
Tgt Ion: 61 Resp: 50019
 Ion Ratio Lower Upper
 61 100
 96 61.9 53.0 79.6
 98 37.9 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 1.948 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

Tgt Ion: 97 Resp: 70729
 Ion Ratio Lower Upper
 97 100
 99 61.2 51.1 76.7
 61 48.1 39.8 59.6

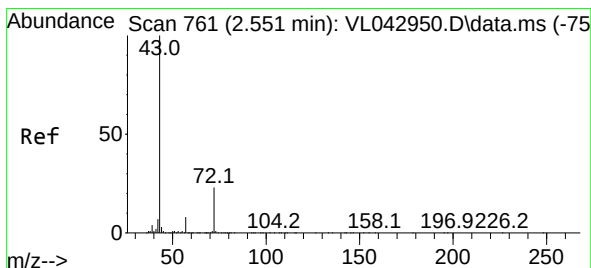
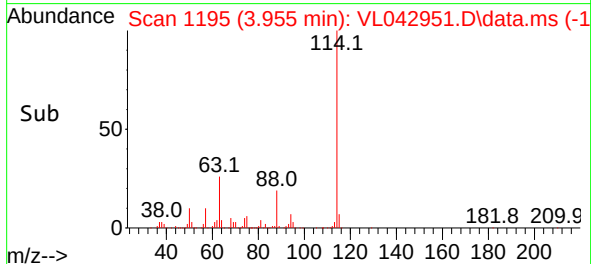
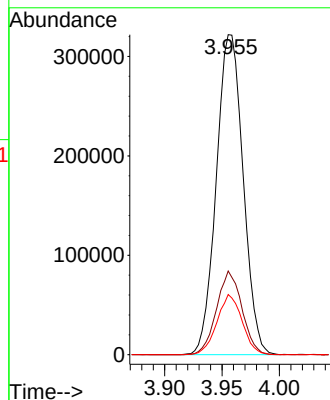
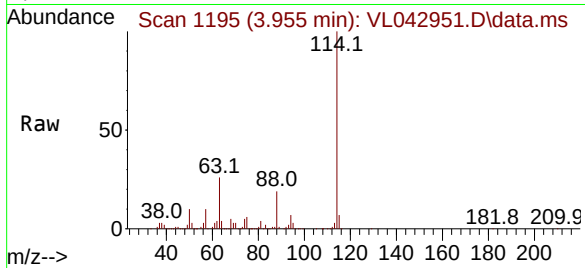




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1194
 Delta R.T. 0.003 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

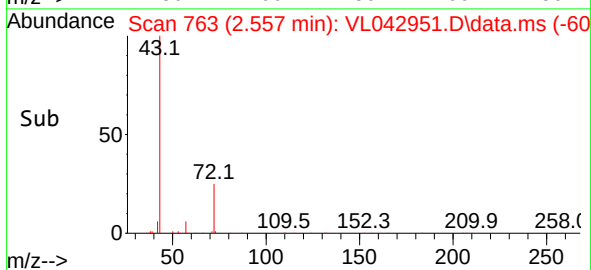
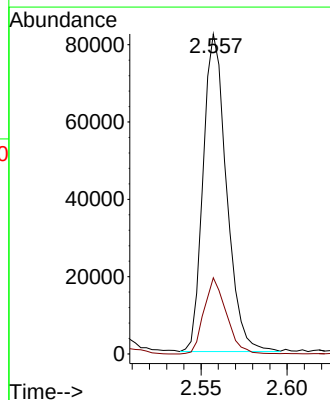
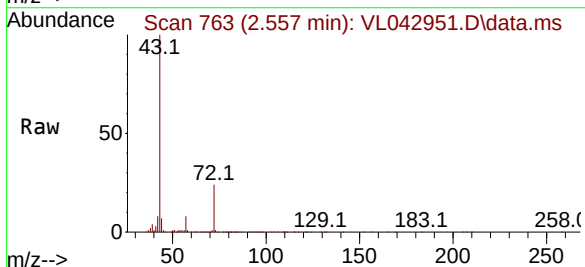
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

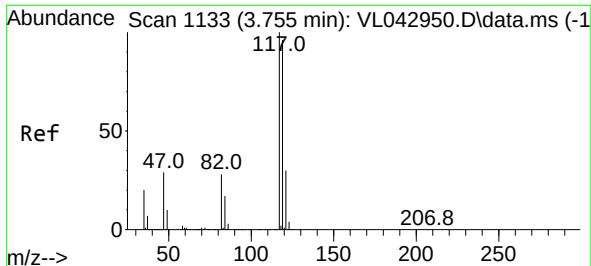
Tgt Ion:114 Resp: 524389
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.4 29.2
 88 17.6 14.2 21.2



#34
 2-Butanone
 Concen: 2.114 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. 0.006 min
 Lab File: VL042951.D
 Acq: 22 Sep 2025 10:14

Tgt Ion: 43 Resp: 77689
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.7 26.5

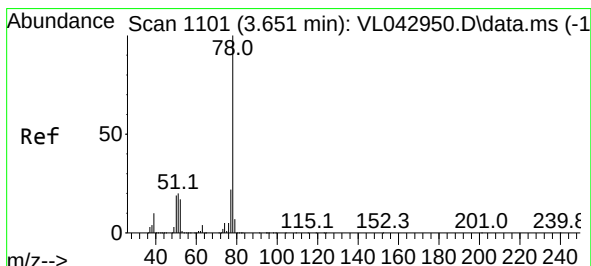
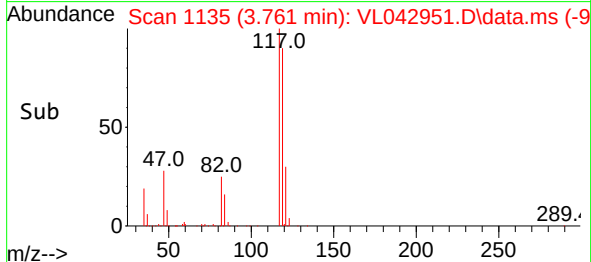
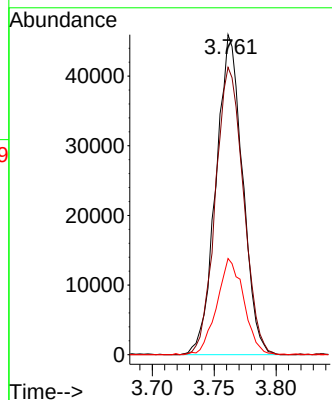
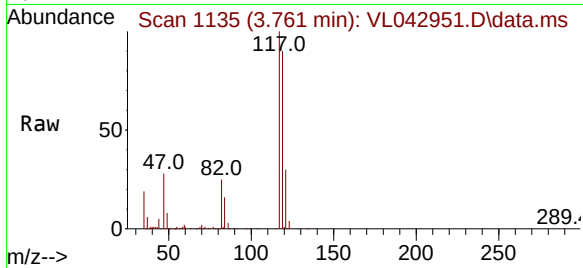




#35
Carbon Tetrachloride
Concen: 2.041 ppbv
RT: 3.761 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

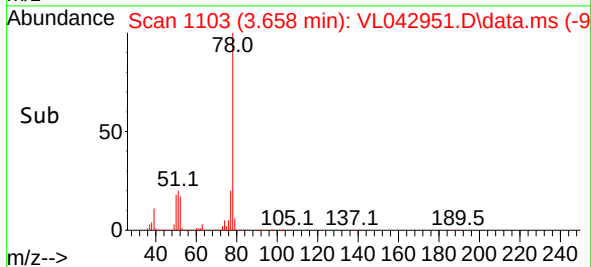
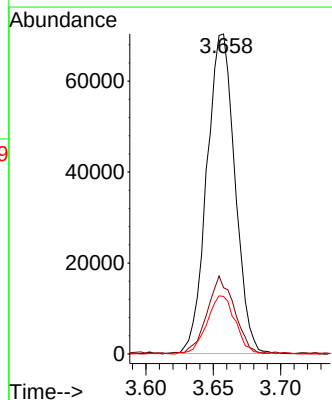
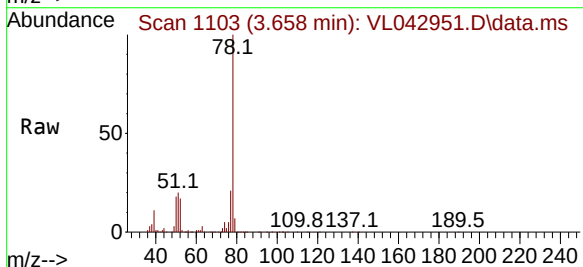
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

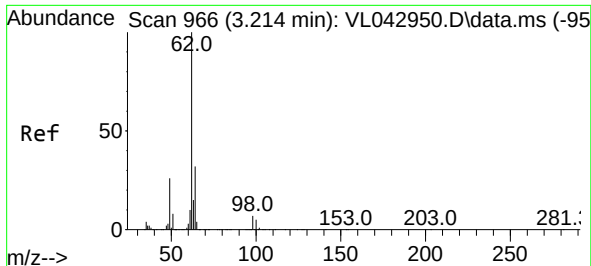
Tgt Ion:117 Resp: 68858
Ion Ratio Lower Upper
117 100
119 89.8 76.9 115.3
121 30.0 23.7 35.5



#36
Benzene
Concen: 2.069 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 78 Resp: 101901
Ion Ratio Lower Upper
78 100
77 20.5 17.8 26.6
50 17.7 15.0 22.4

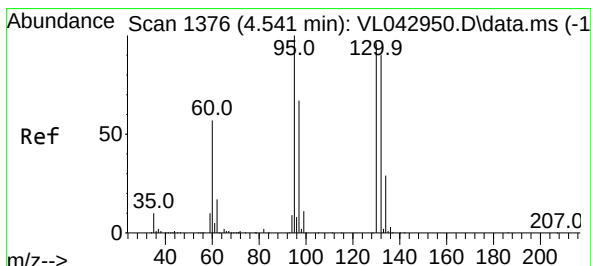
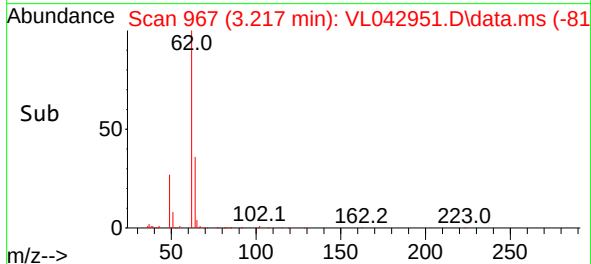
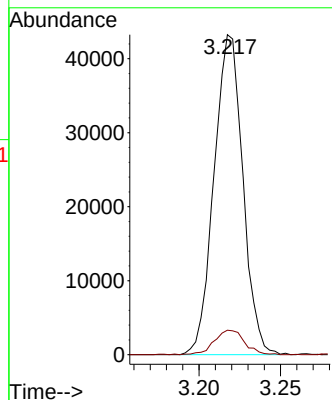
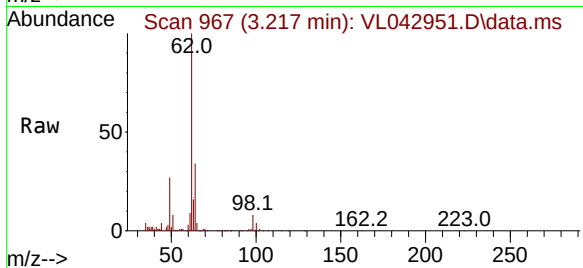




#37
1,2-Dichloroethane
Concen: 2.052 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

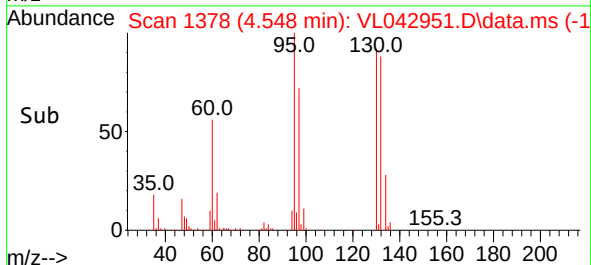
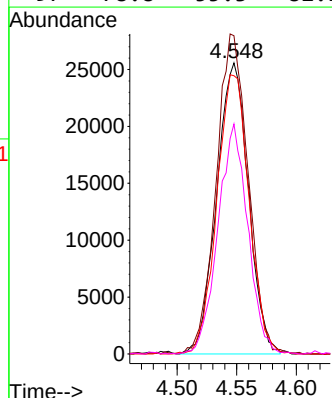
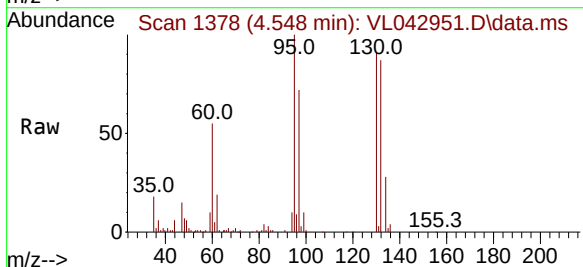
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

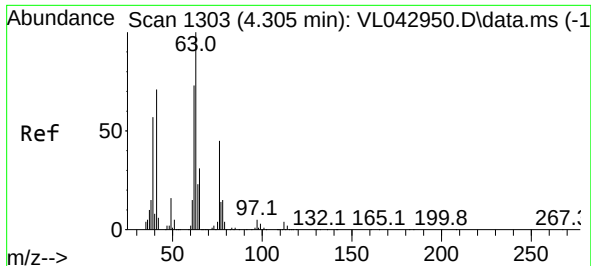
Tgt Ion: 62 Resp: 53130
Ion Ratio Lower Upper
62 100
98 8.1 5.9 8.9



#38
Trichloroethene
Concen: 1.938 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion:130 Resp: 47424
Ion Ratio Lower Upper
130 100
95 109.0 83.0 124.4
132 95.0 74.6 112.0
97 78.8 55.3 82.9





#39

1,2-Dichloropropane

Concen: 1.230 ppbv

RT: 4.308 min Scan# 1303

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

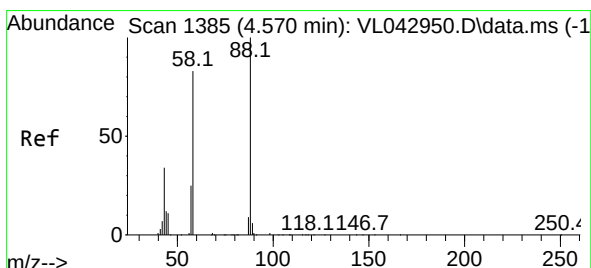
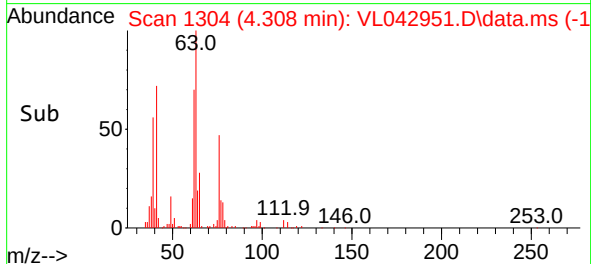
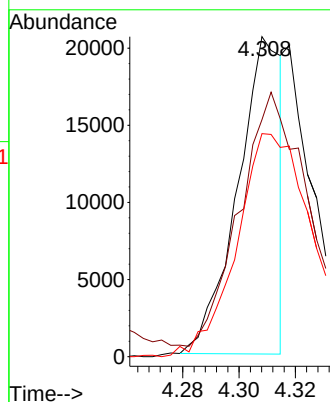
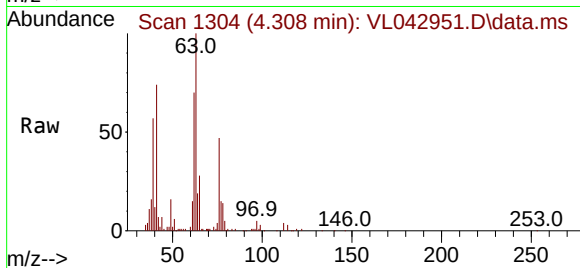
Tgt Ion: 63 Resp: 22120

Ion Ratio Lower Upper

63 100

41 71.2 57.5 86.3

62 67.2 58.5 87.7



#40

1,4-Dioxane

Concen: 1.895 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. 0.016 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Tgt Ion: 88 Resp: 15831

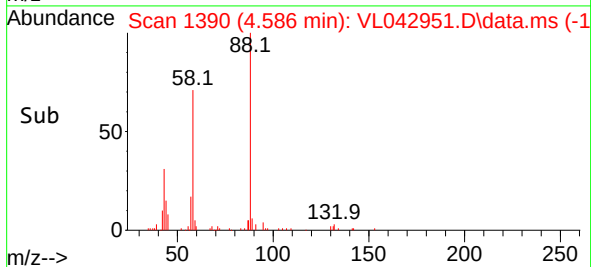
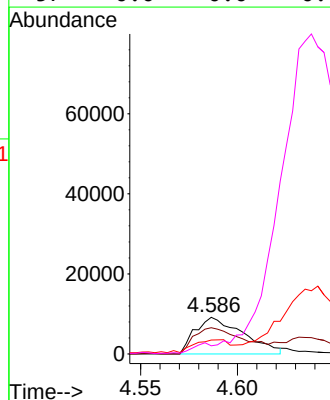
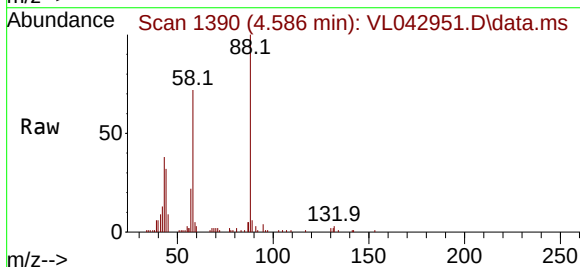
Ion Ratio Lower Upper

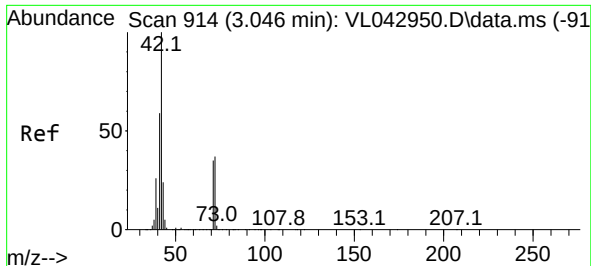
88 100

58 78.0 59.7 89.5

43 0.0 28.9 43.3

57 0.0 0.0 0.0

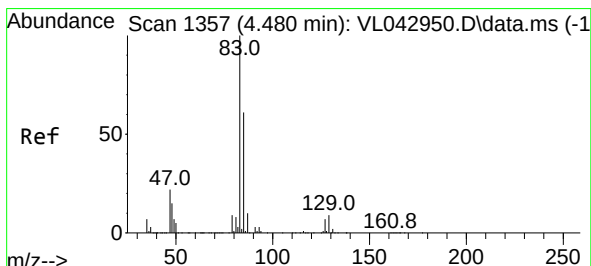
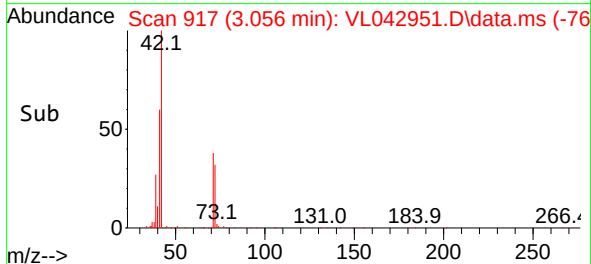
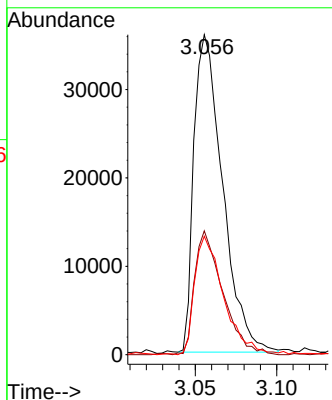
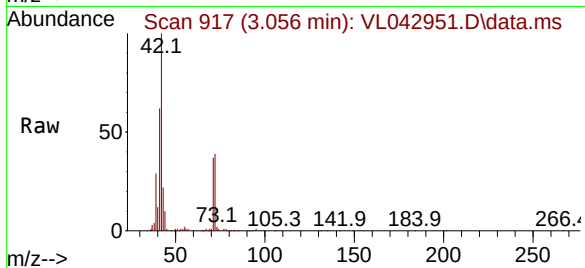




#41
Tetrahydrofuran
Concen: 2.081 ppbv
RT: 3.056 min Scan# 914
Delta R.T. 0.010 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

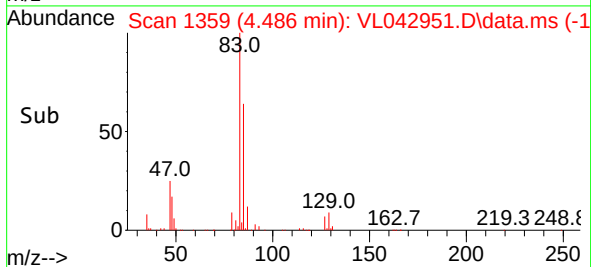
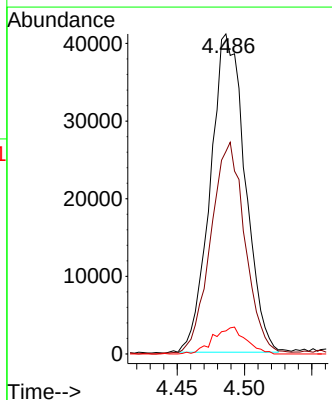
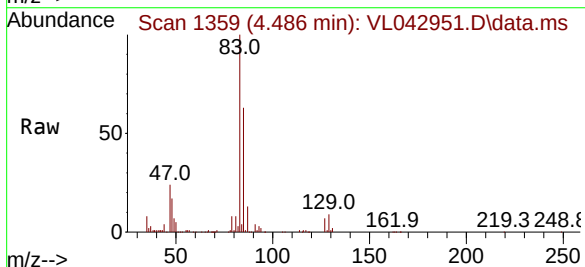
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

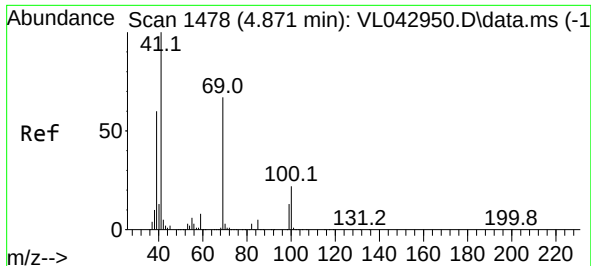
Tgt Ion: 42 Resp: 43962
Ion Ratio Lower Upper
42 100
72 38.5 30.0 45.0
71 37.4 28.8 43.2



#42
Bromodichloromethane
Concen: 2.042 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 83 Resp: 73675
Ion Ratio Lower Upper
83 100
85 63.2 49.0 73.6
127 7.2 5.3 7.9

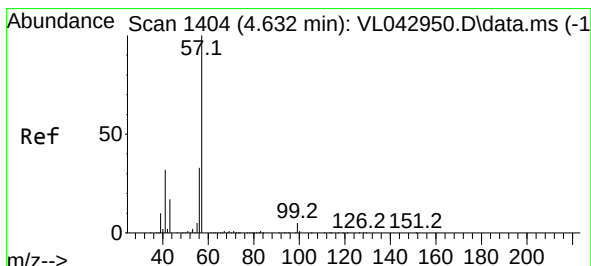
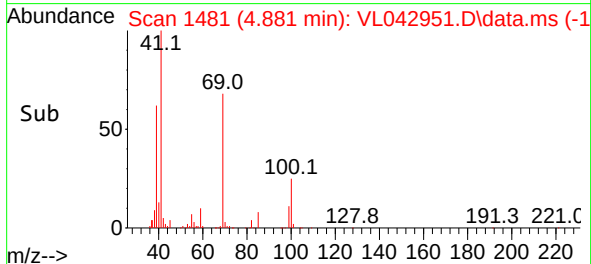
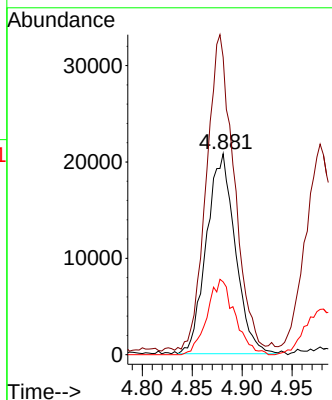
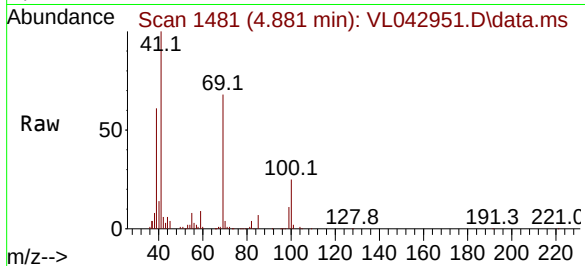




#43
Methyl Methacrylate
Concen: 2.077 ppbv
RT: 4.881 min Scan# 1478
Delta R.T. 0.010 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

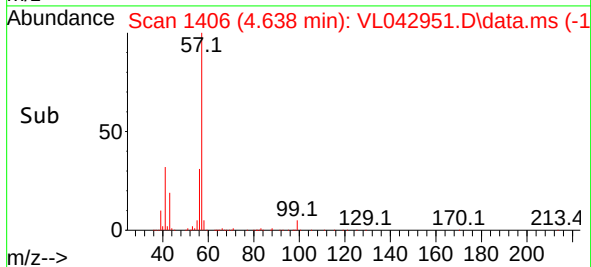
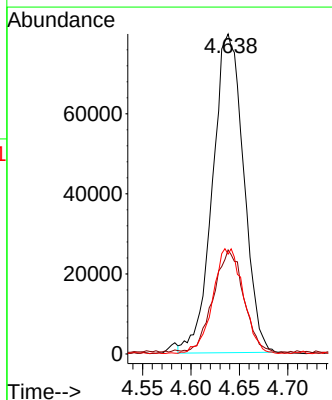
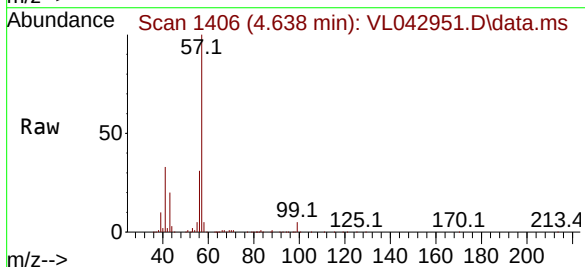
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

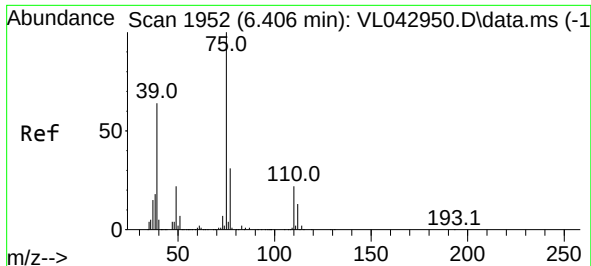
Tgt Ion: 69 Resp: 41527
Ion Ratio Lower Upper
69 100
41 153.8 124.5 186.7
100 36.3 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 2.083 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 57 Resp: 177242
Ion Ratio Lower Upper
57 100
41 32.9 25.5 38.3
56 32.5 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 2.055 ppbv

RT: 6.415 min Scan# 1952

Delta R.T. 0.010 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

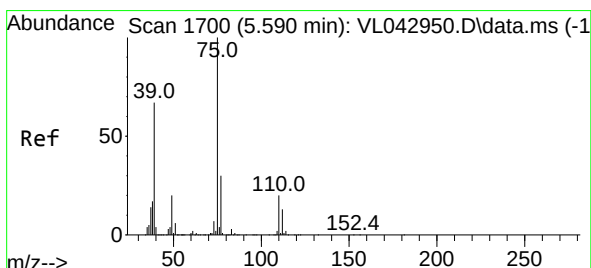
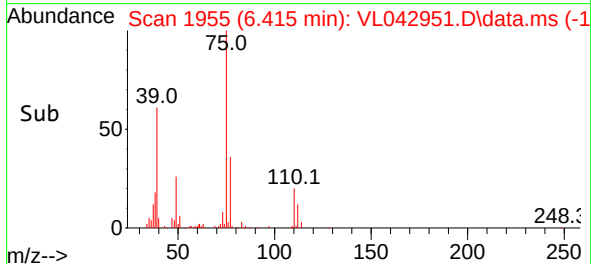
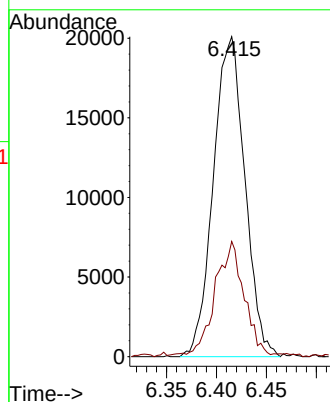
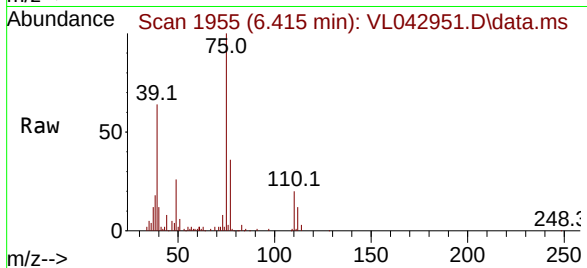
VSTDIC002

Tgt Ion: 75 Resp: 44171

Ion Ratio Lower Upper

75 100

77 36.0 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 2.057 ppbv

RT: 5.596 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

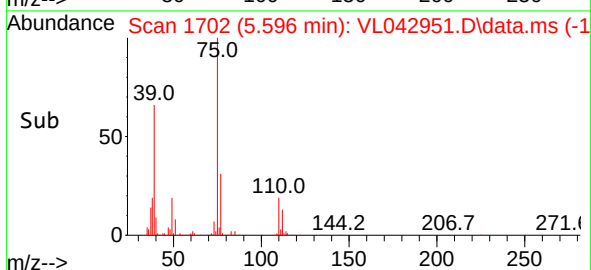
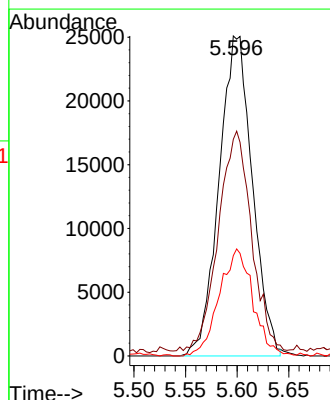
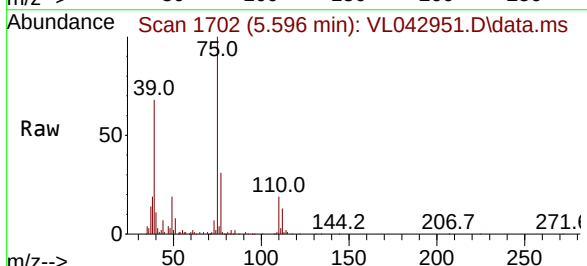
Tgt Ion: 75 Resp: 56335

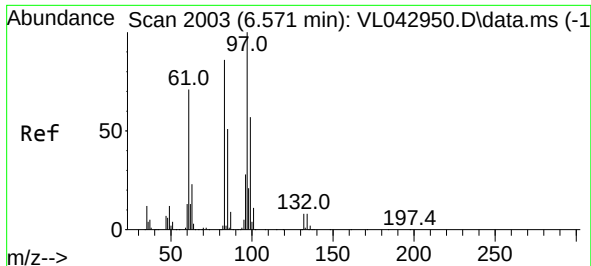
Ion Ratio Lower Upper

75 100

39 64.9 53.8 80.6

77 31.4 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 1.057 ppbv

RT: 6.577 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 20092

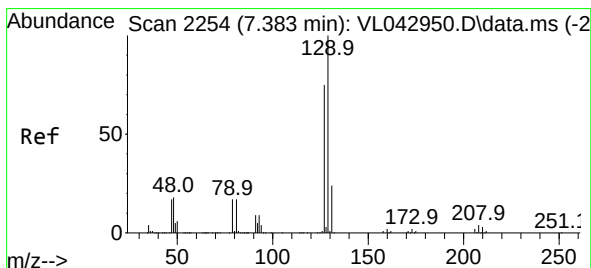
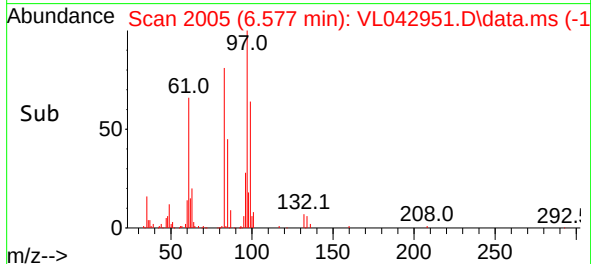
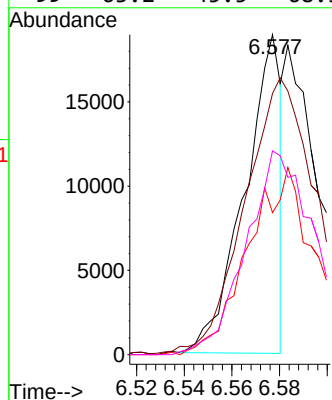
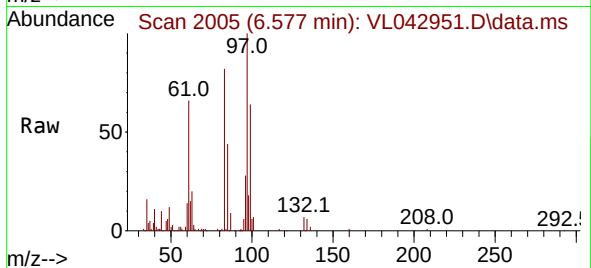
Ion Ratio Lower Upper

97 100

83 79.5 68.7 103.1

85 44.7 40.6 60.8

99 63.2 45.5 68.3



#48

Dibromochloromethane

Concen: 2.072 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.000 min

Lab File: VL042951.D

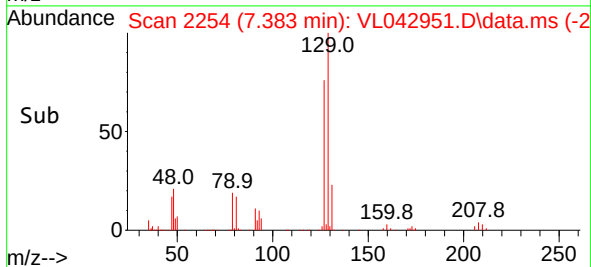
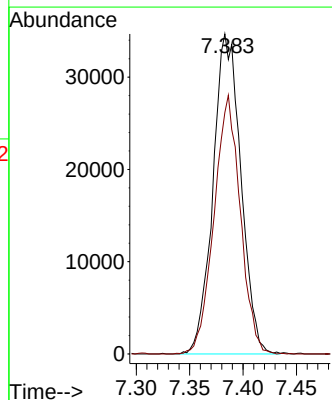
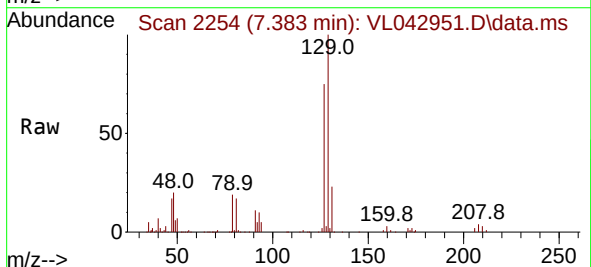
Acq: 22 Sep 2025 10:14

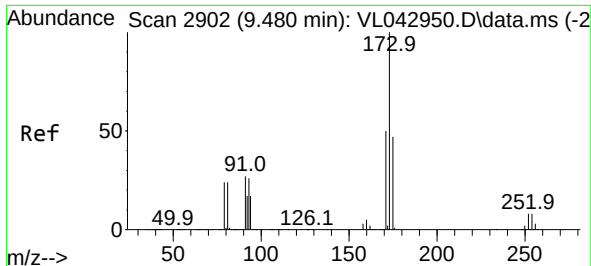
Tgt Ion: 129 Resp: 62968

Ion Ratio Lower Upper

129 100

127 76.1 39.1 117.2





#49

Bromoform

Concen: 2.119 ppbv

RT: 9.480 min Scan# 2902

Delta R.T. -0.000 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

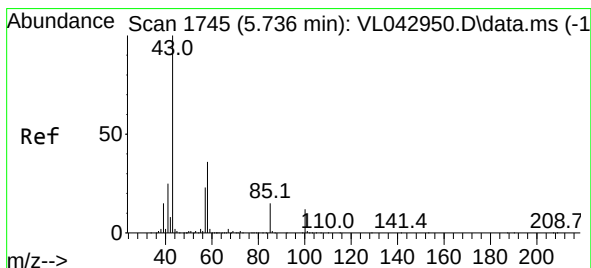
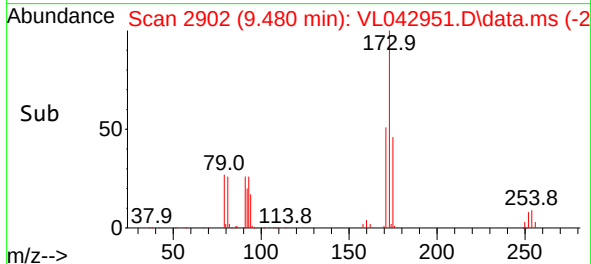
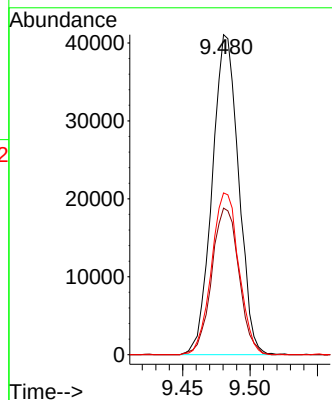
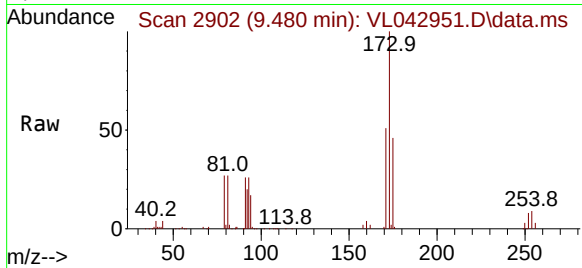
Tgt Ion:173 Resp: 56021

Ion Ratio Lower Upper

173 100

175 47.3 37.9 56.9

171 52.1 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.893 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. 0.013 min

Lab File: VL042951.D

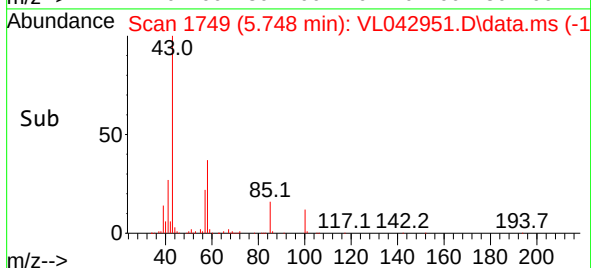
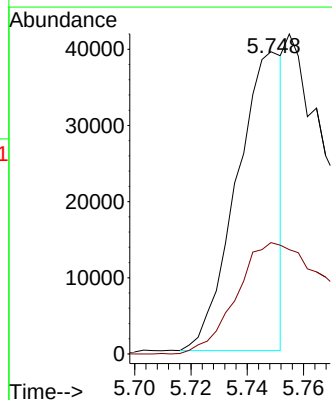
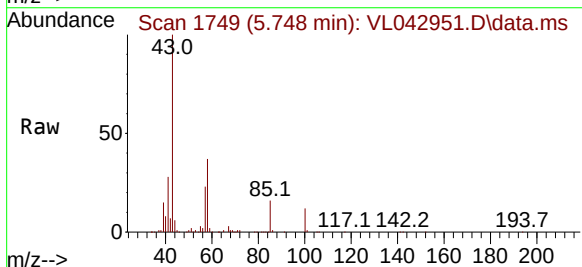
Acq: 22 Sep 2025 10:14

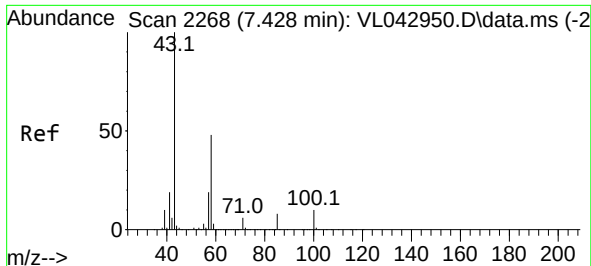
Tgt Ion: 43 Resp: 44119

Ion Ratio Lower Upper

43 100

58 84.8 28.4 42.6#

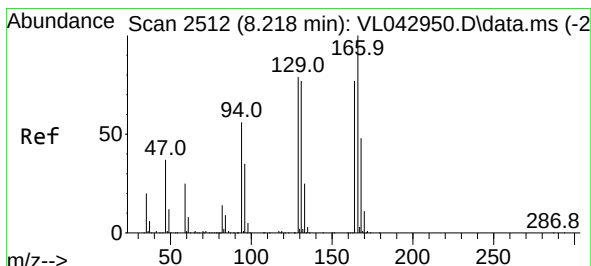
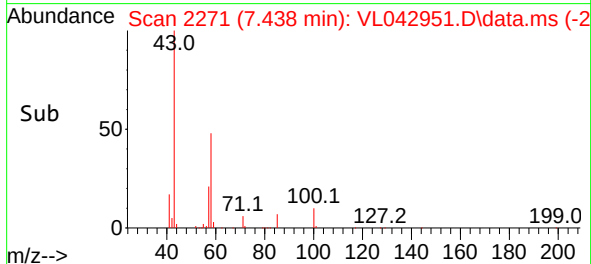
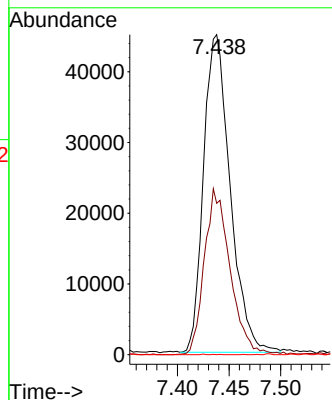
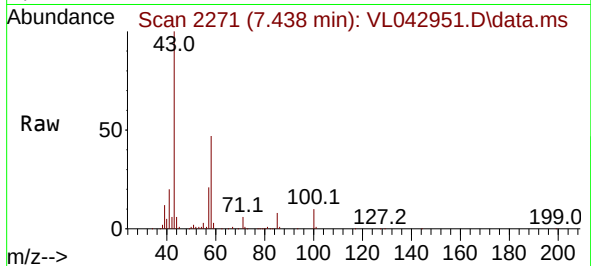




#51
2-Hexanone
Concen: 2.053 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

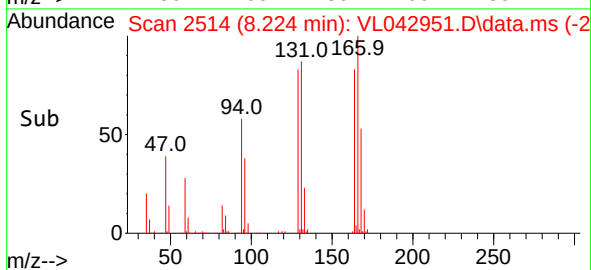
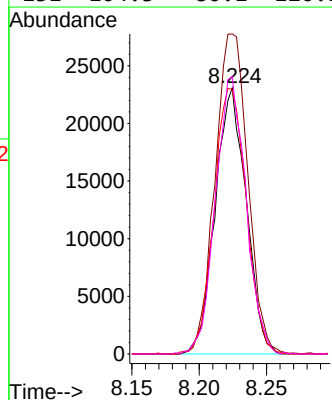
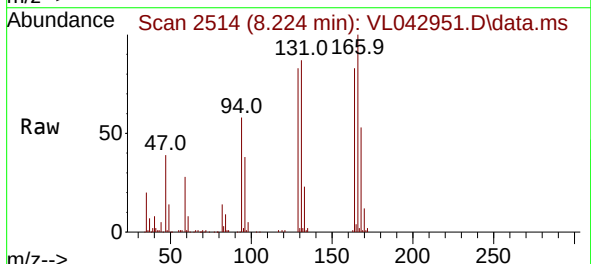
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

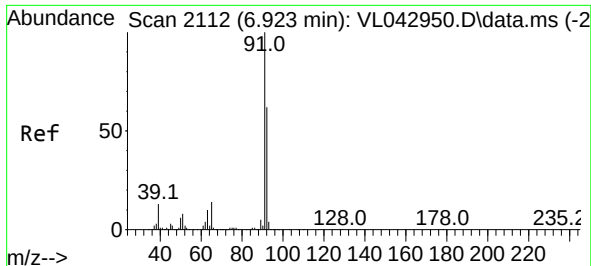
Tgt Ion: 43 Resp: 80620
Ion Ratio Lower Upper
43 100
58 50.6 39.7 59.5
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 1.934 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 164 Resp: 36853
Ion Ratio Lower Upper
164 100
166 120.4 103.5 155.3
129 98.8 82.2 123.4
131 104.3 80.1 120.1

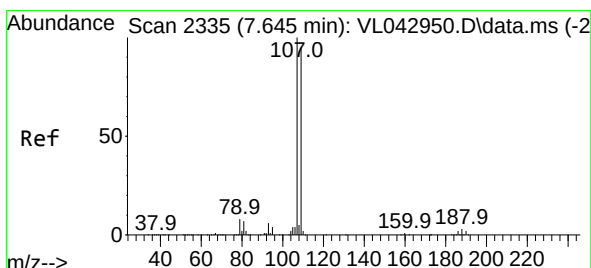
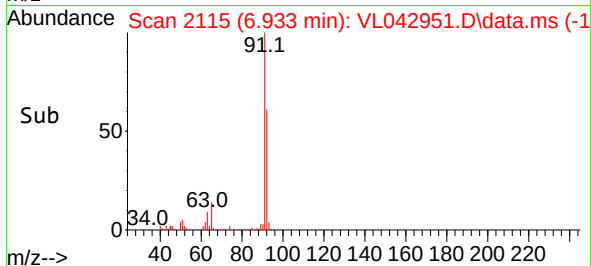
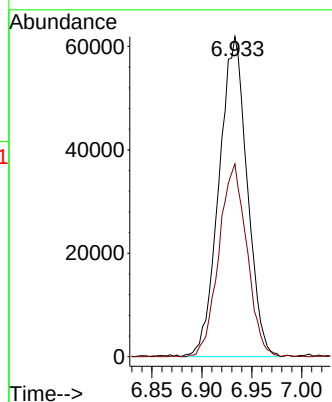
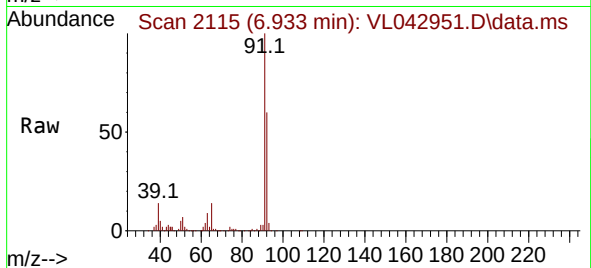




#53
Toluene
Concen: 2.081 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

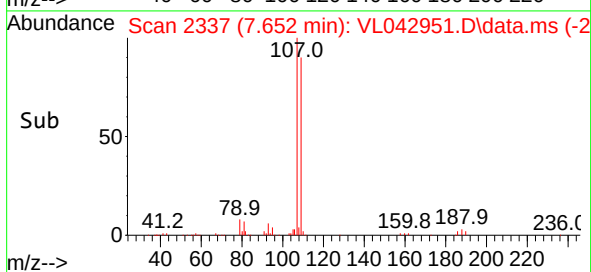
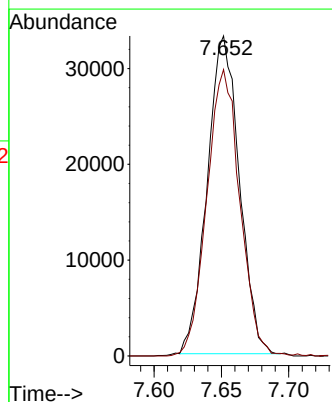
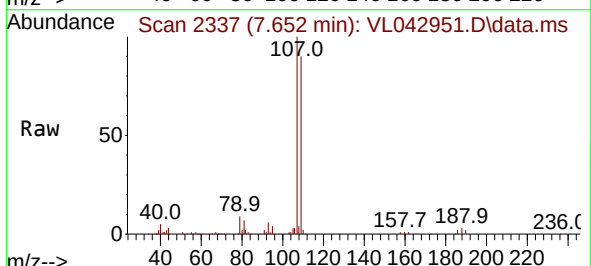
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

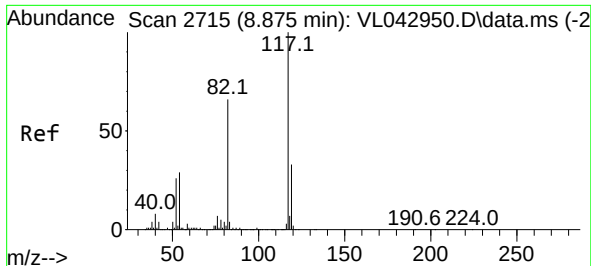
Tgt Ion: 91 Resp: 121268
Ion Ratio Lower Upper
91 100
92 59.8 48.2 72.2



#54
1,2-Dibromoethane
Concen: 2.058 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 107 Resp: 55022
Ion Ratio Lower Upper
107 100
109 89.3 75.8 113.8

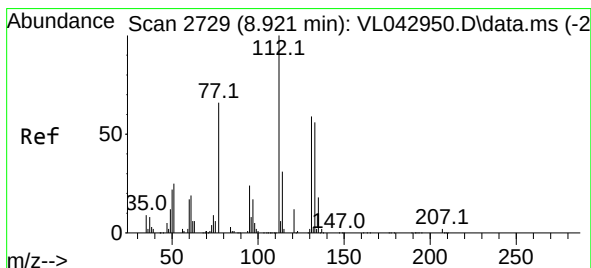
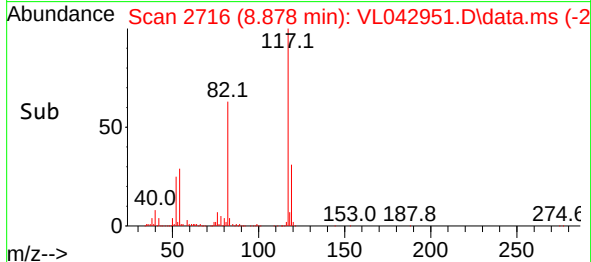
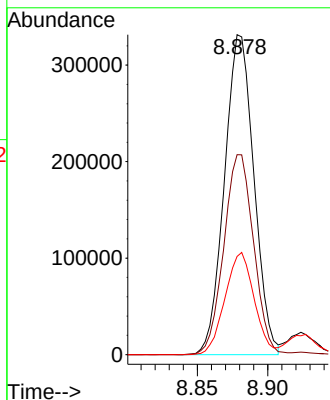
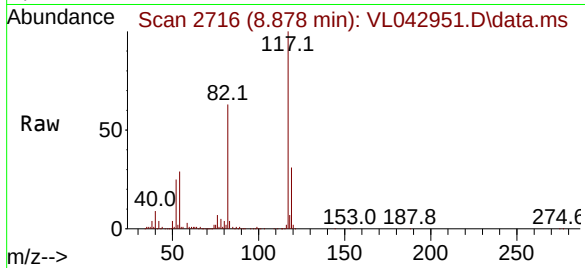




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

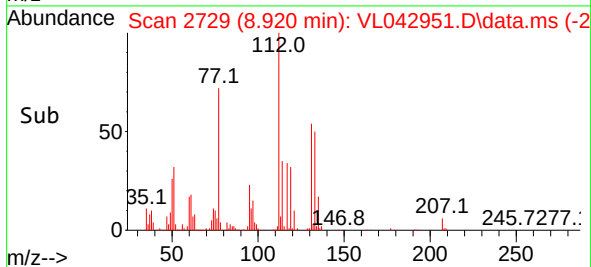
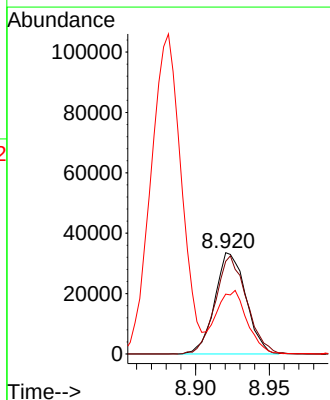
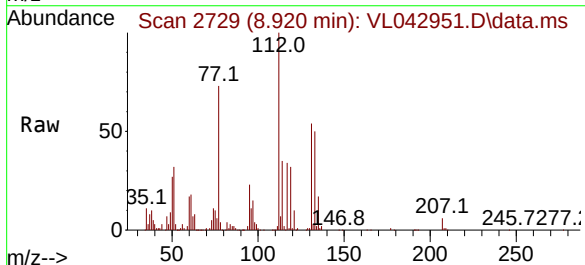
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

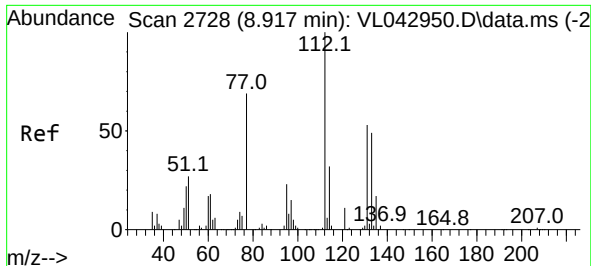
Tgt Ion:117 Resp: 483821
Ion Ratio Lower Upper
117 100
82 63.6 52.8 79.2
119 31.8 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 2.112 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion:131 Resp: 48901
Ion Ratio Lower Upper
131 100
133 97.7 76.6 114.8
119 61.4 49.9 74.9

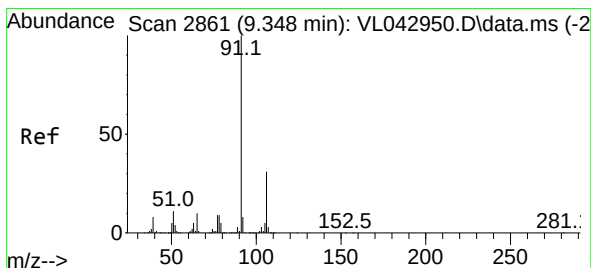
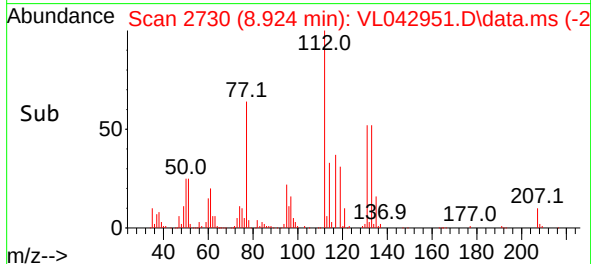
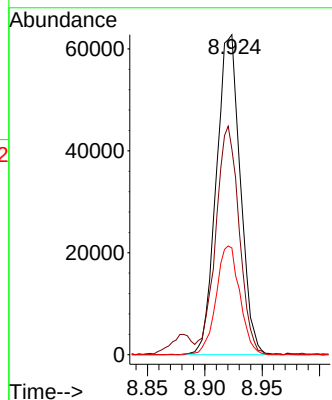
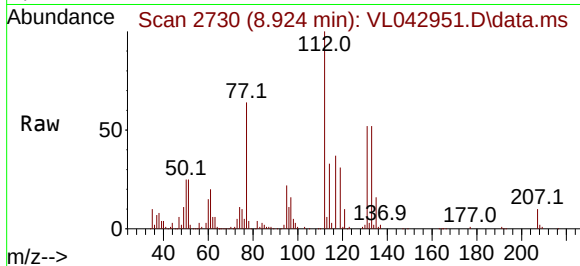




#57
Chlorobenzene
Concen: 2.068 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

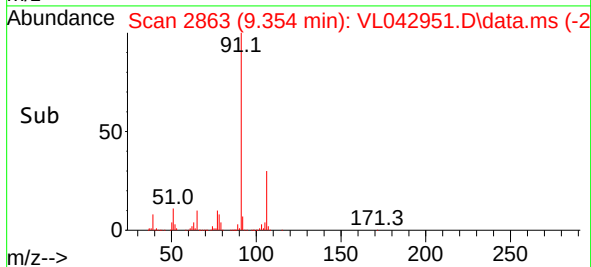
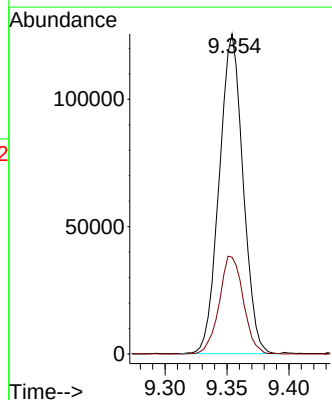
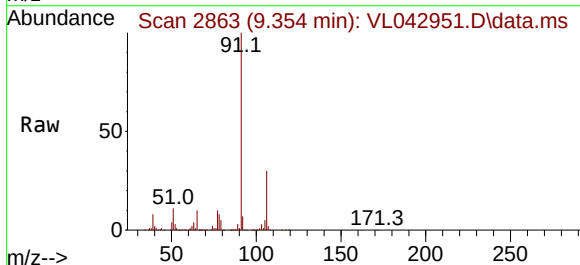
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

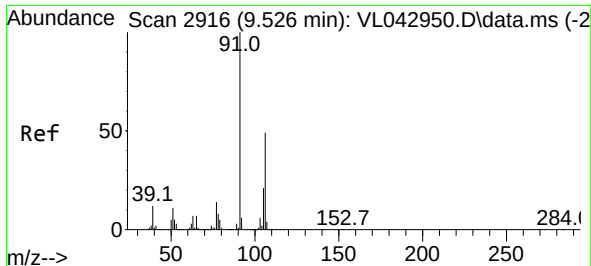
Tgt Ion:112 Resp: 91325
Ion Ratio Lower Upper
112 100
77 63.9 55.7 83.5
114 33.4 28.6 35.0



#58
Ethyl Benzene
Concen: 2.115 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.006 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 91 Resp: 168063
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0





#59

m/p-Xylene

Concen: 2.086 ppbv

RT: 9.532 min Scan# 2916

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

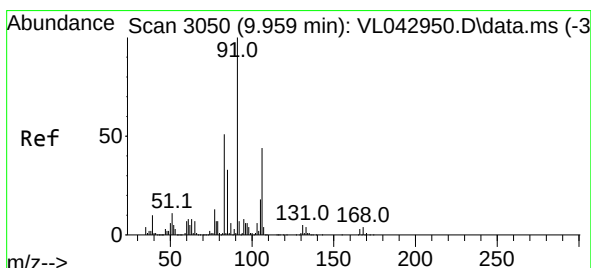
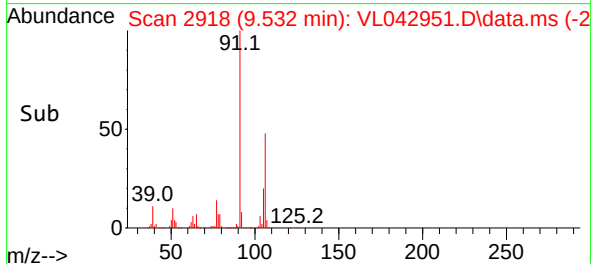
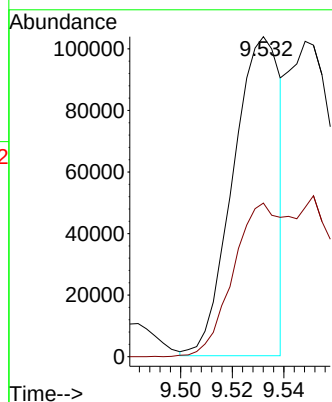
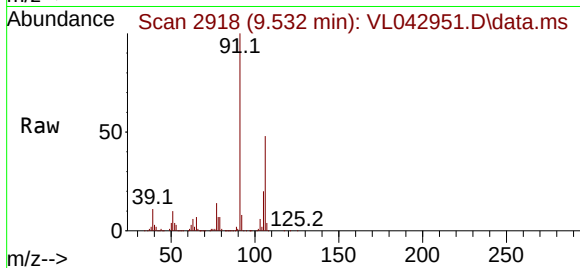
VSTDIC002

Tgt Ion: 91 Resp: 130749

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 2.101 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042951.D

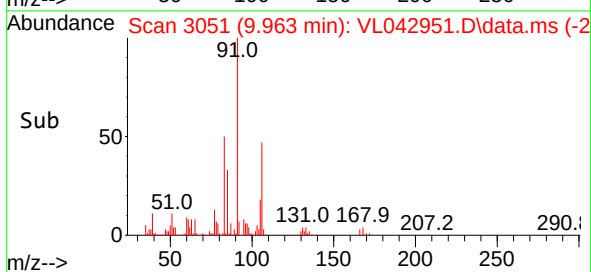
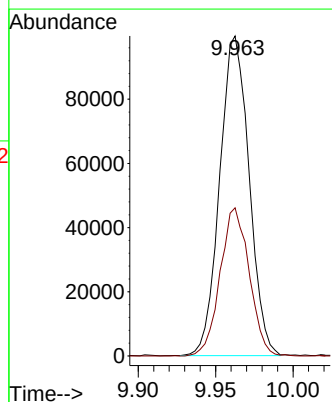
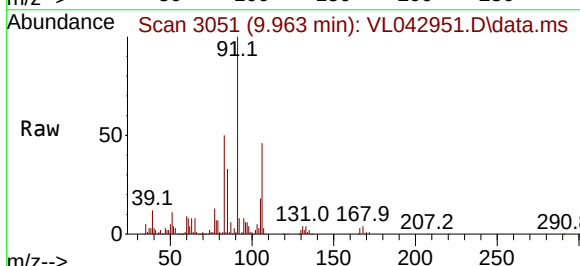
Acq: 22 Sep 2025 10:14

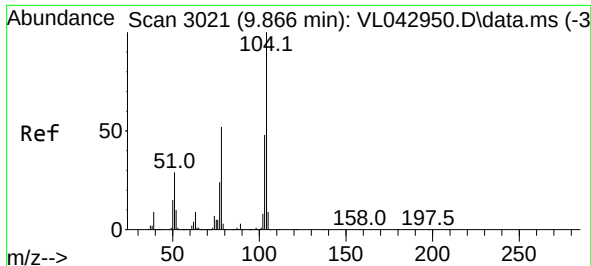
Tgt Ion: 91 Resp: 131507

Ion Ratio Lower Upper

91 100

106 45.8 22.4 67.0





#61

Styrene

Concen: 2.119 ppbv

RT: 9.869 min Scan# 3021

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

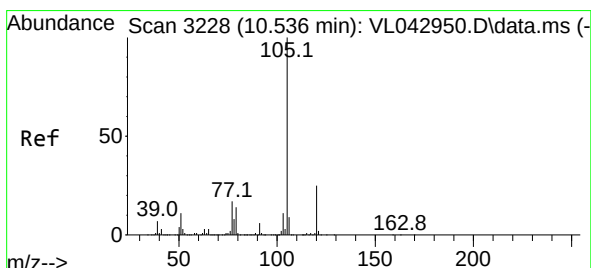
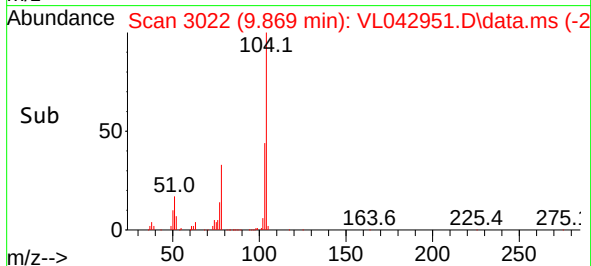
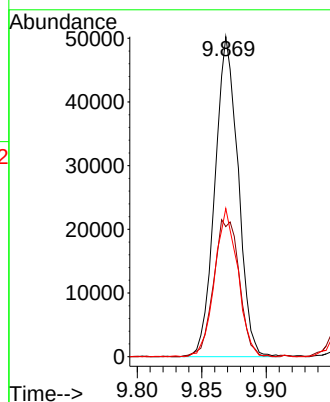
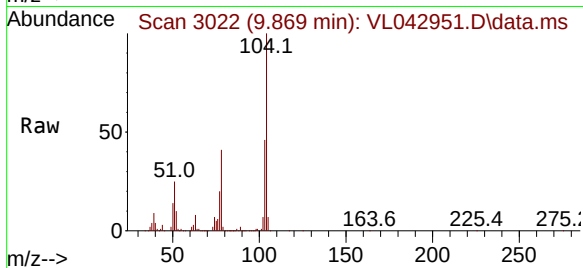
Tgt Ion:104 Resp: 62748

Ion Ratio Lower Upper

104 100

78 47.7 39.9 59.9

103 46.3 36.9 55.3



#62

Isopropylbenzene

Concen: 2.103 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.003 min

Lab File: VL042951.D

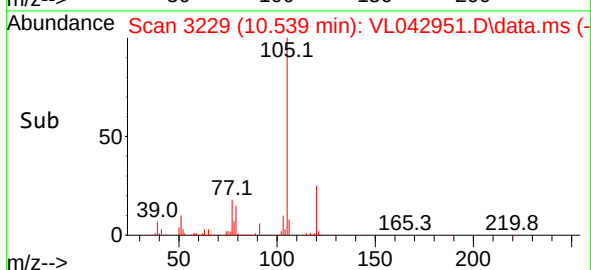
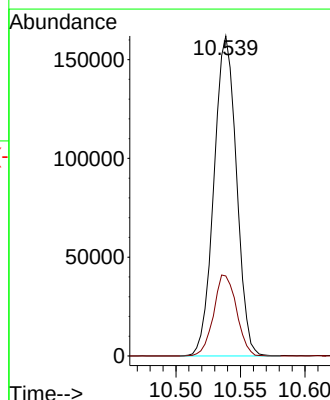
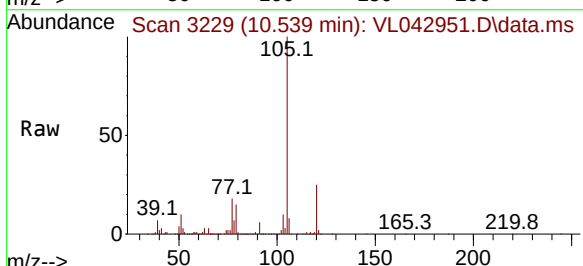
Acq: 22 Sep 2025 10:14

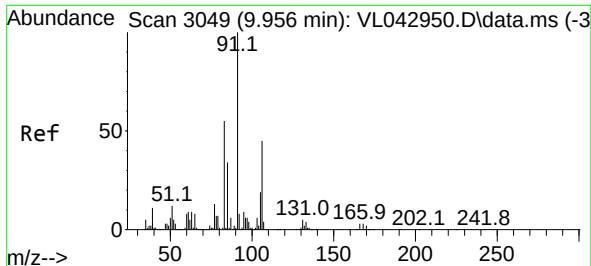
Tgt Ion:105 Resp: 196198

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 1.978 ppbv

RT: 9.963 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

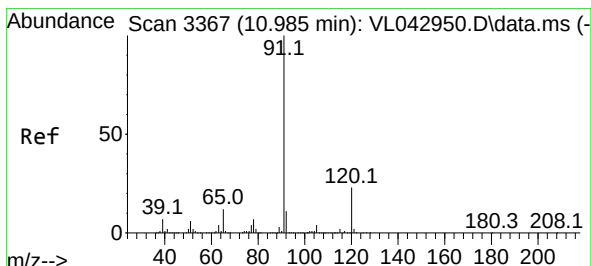
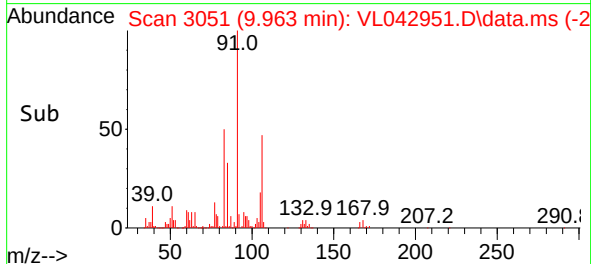
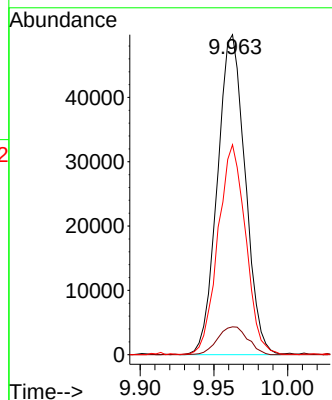
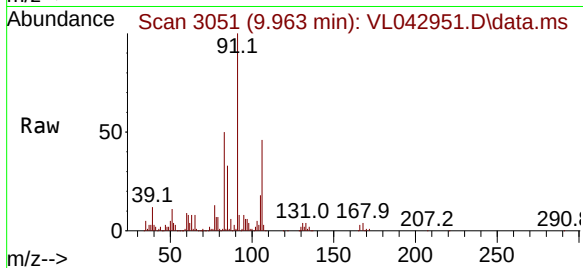
Tgt Ion: 83 Resp: 65089

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 65.9 32.2 96.6



#64

n-propylbenzene

Concen: 2.074 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.000 min

Lab File: VL042951.D

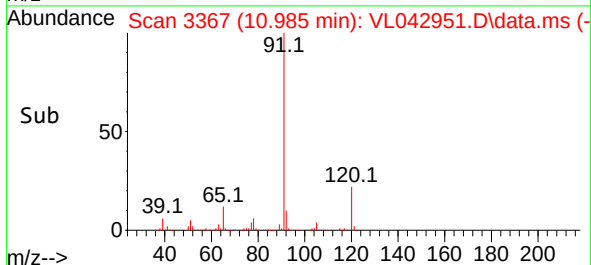
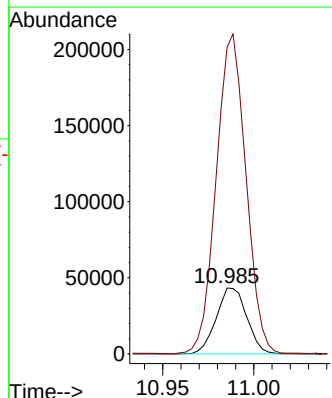
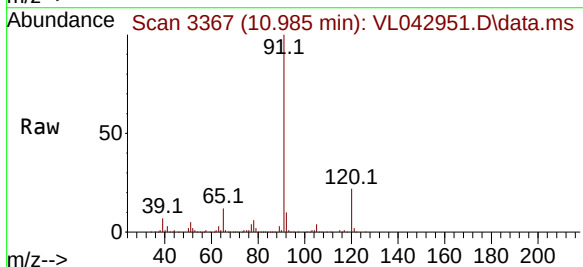
Acq: 22 Sep 2025 10:14

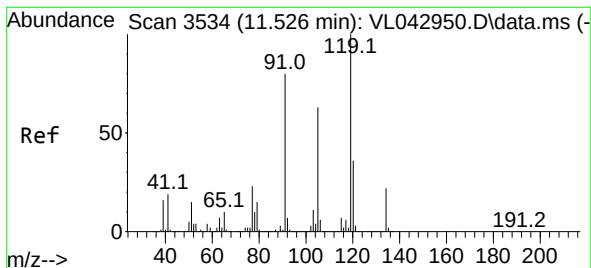
Tgt Ion: 120 Resp: 50569

Ion Ratio Lower Upper

120 100

91 474.1 364.9 547.3





#65

tert-Butylbenzene

Concen: 2.147 ppbv

RT: 11.529 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

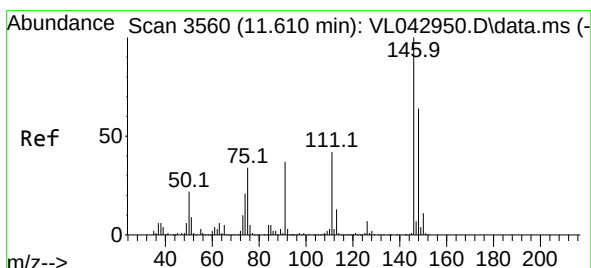
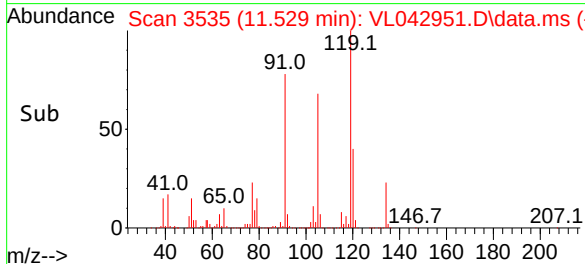
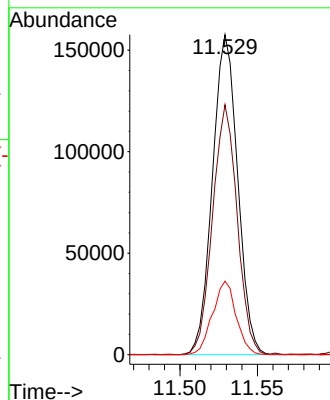
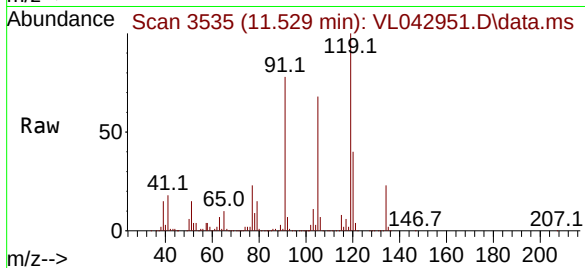
Tgt Ion:119 Resp: 178218

Ion Ratio Lower Upper

119 100

91 76.4 63.1 94.7

134 21.5 17.0 25.6



#66

Benzyl Chloride

Concen: 2.181 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

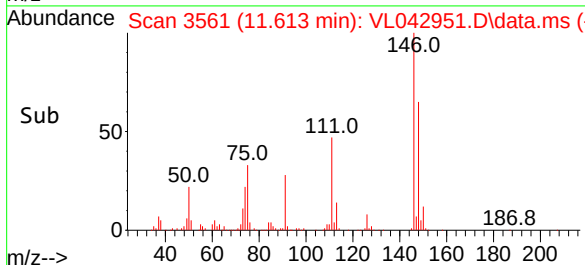
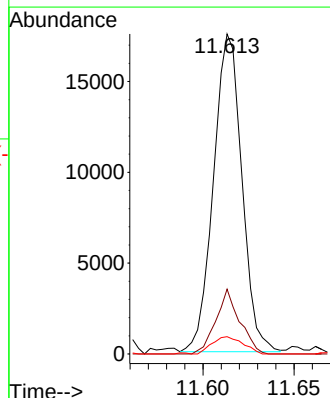
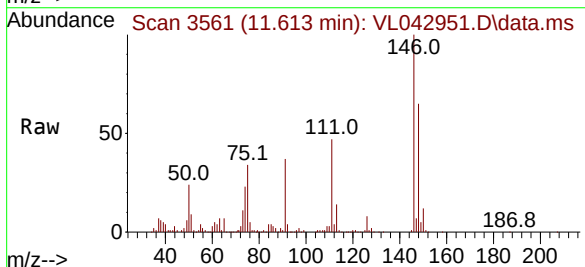
Tgt Ion: 91 Resp: 18992

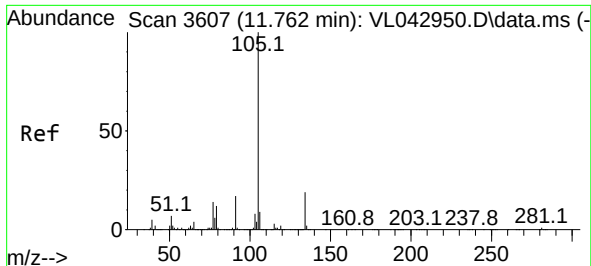
Ion Ratio Lower Upper

91 100

126 17.1 14.6 21.8

128 6.0 5.0 7.4





#67

sec-Butylbenzene

Concen: 2.158 ppbv

RT: 11.765 min Scan# 3178

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

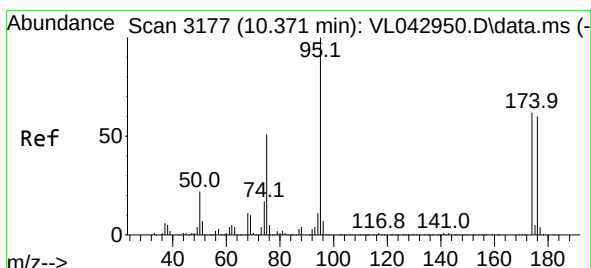
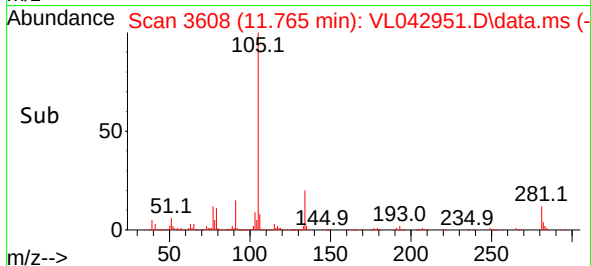
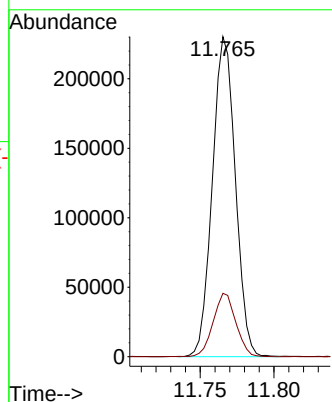
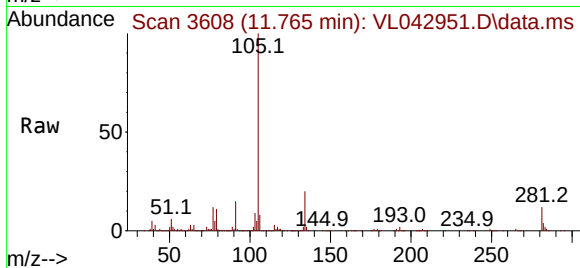
VSTDIC002

Tgt Ion:105 Resp: 249510

Ion Ratio Lower Upper

105 100

134 19.6 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.012 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

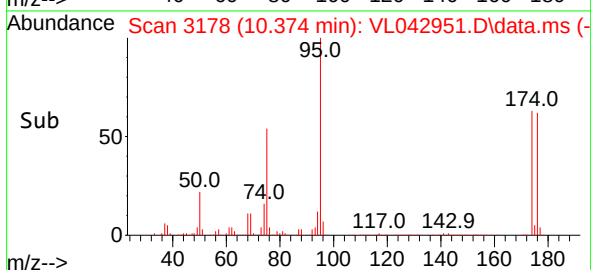
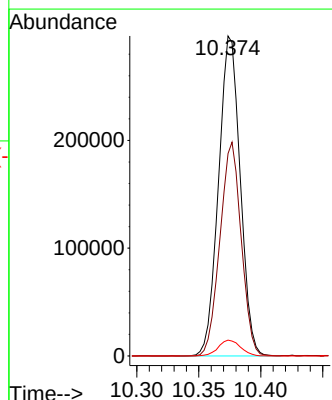
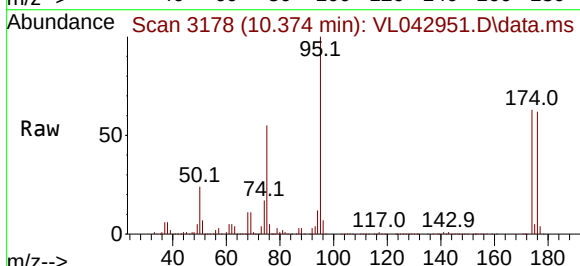
Tgt Ion: 95 Resp: 361586

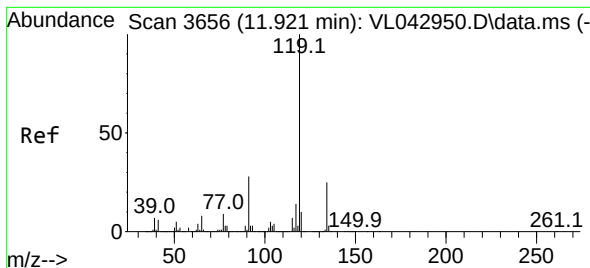
Ion Ratio Lower Upper

95 100

174 65.6 51.4 77.2

175 5.1 4.0 6.0

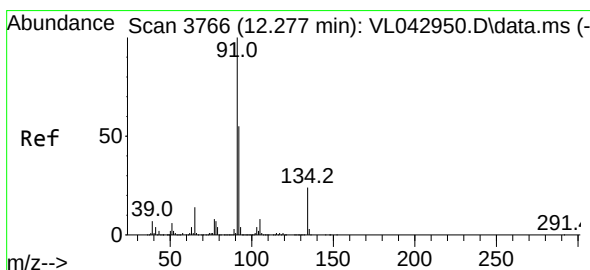
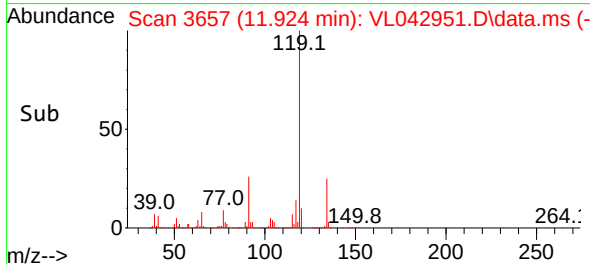
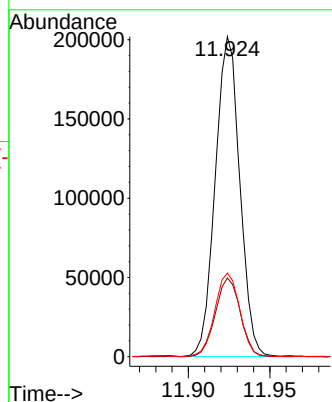
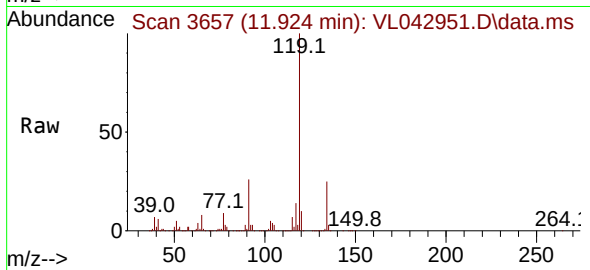




#69
p-Isopropyltoluene
Concen: 2.158 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

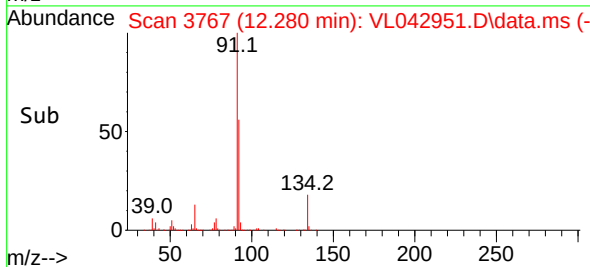
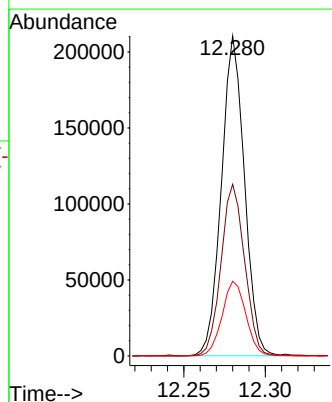
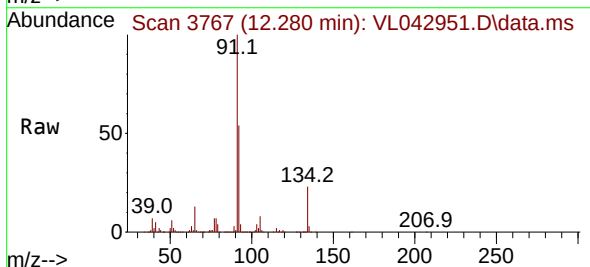
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

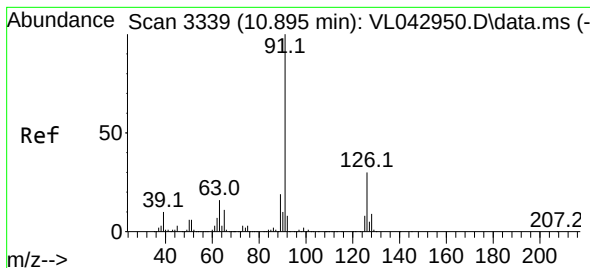
Tgt Ion:119 Resp: 210808
Ion Ratio Lower Upper
119 100
134 25.0 21.0 31.4
91 26.4 22.3 33.5



#70
n-Butylbenzene
Concen: 2.167 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion: 91 Resp: 206691
Ion Ratio Lower Upper
91 100
92 55.0 44.0 66.0
134 24.1 19.4 29.2





#71

2-Chlorotoluene

Concen: 2.099 ppbv

RT: 10.898 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

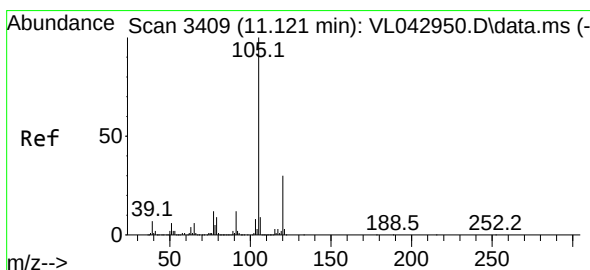
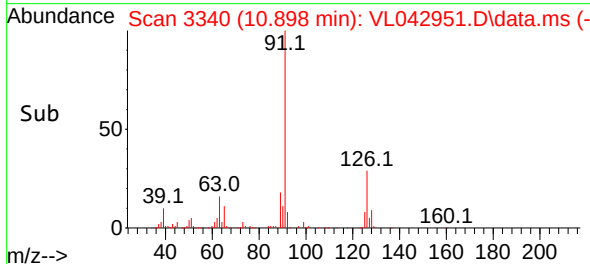
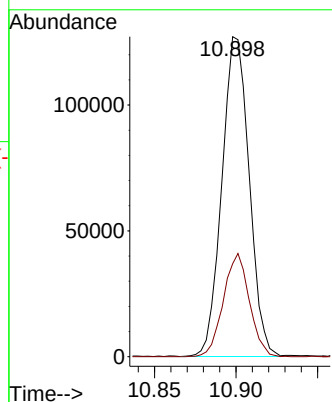
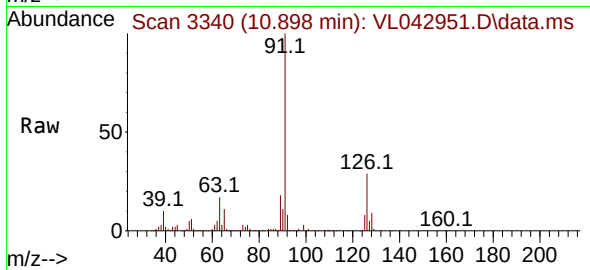
VSTDIC002

Tgt Ion: 91 Resp: 147901

Ion Ratio Lower Upper

91 100

126 30.7 12.3 49.3



#72

4-Ethyltoluene

Concen: 2.102 ppbv

RT: 11.124 min Scan# 3410

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Tgt Ion: 105 Resp: 164770

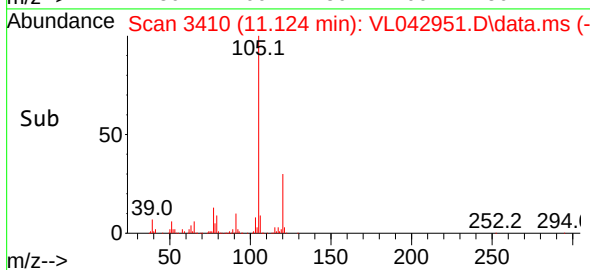
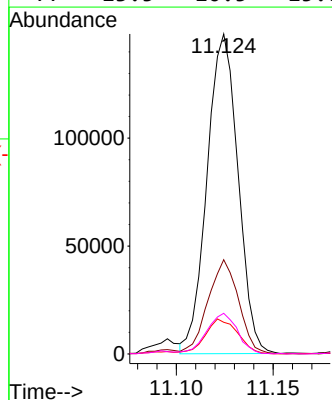
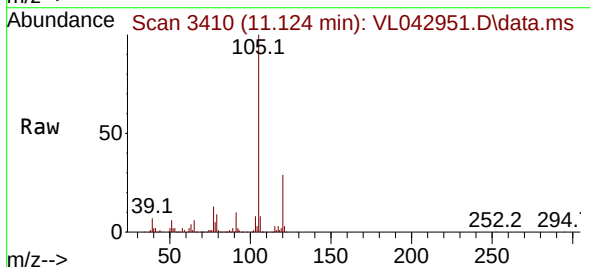
Ion Ratio Lower Upper

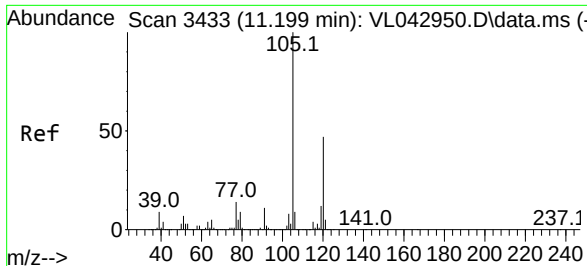
105 100

120 30.4 24.2 36.2

91 12.2 10.0 15.0

77 13.5 10.5 15.7

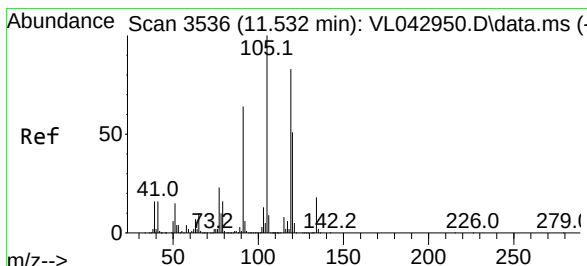
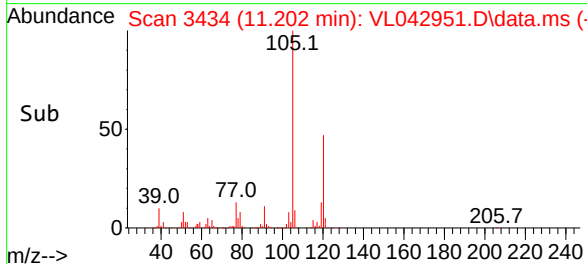
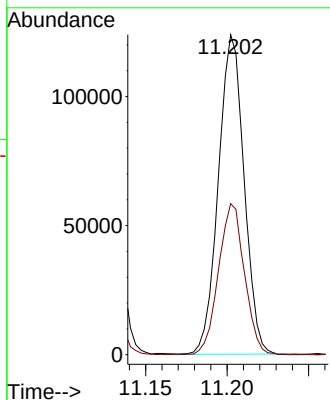
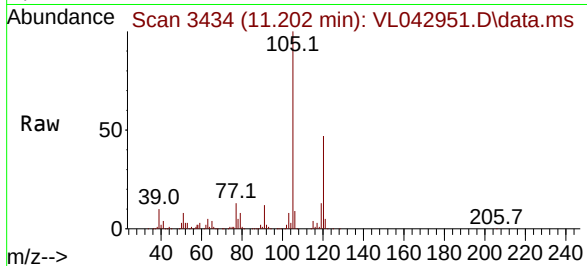




#73
1,3,5-Trimethylbenzene
Concen: 2.128 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

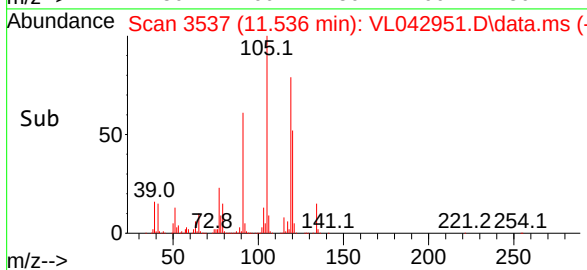
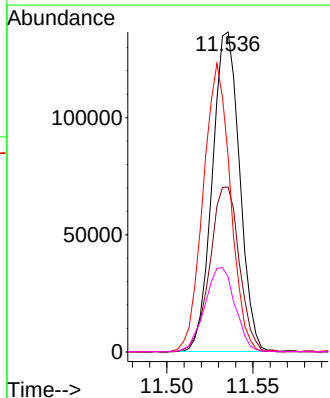
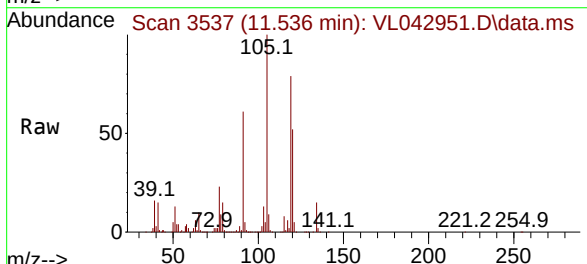
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

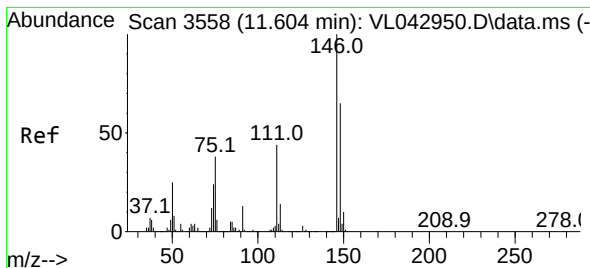
Tgt Ion:105 Resp: 135344
Ion Ratio Lower Upper
105 100
120 47.3 38.0 57.0



#74
1,2,4-Trimethylbenzene
Concen: 2.147 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion:105 Resp: 150772
Ion Ratio Lower Upper
105 100
120 51.6 40.9 61.3
91 61.0 51.2 76.8
77 23.2 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 2.124 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

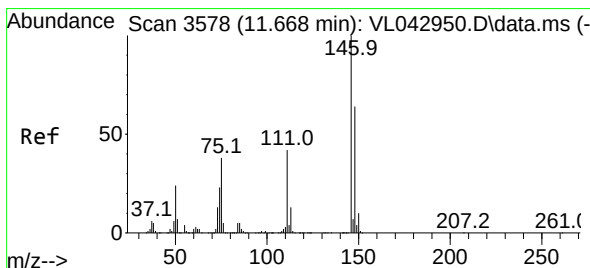
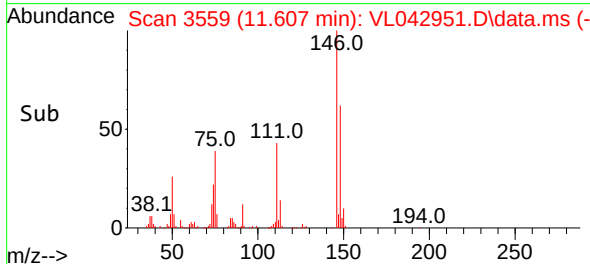
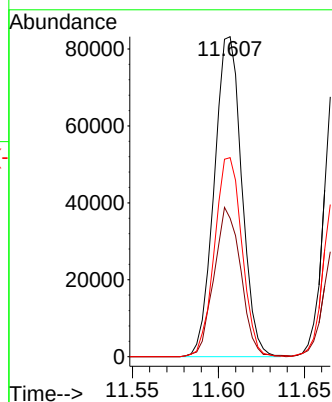
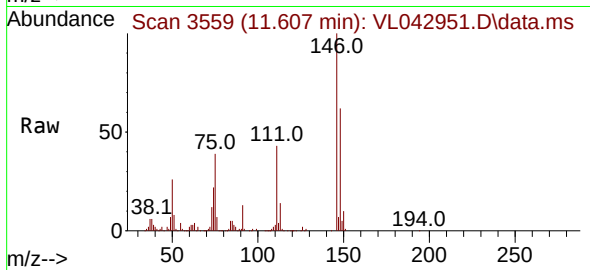
Tgt Ion:146 Resp: 92487

Ion Ratio Lower Upper

146 100

111 45.3 22.3 66.9

148 62.1 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 2.145 ppbv

RT: 11.671 min Scan# 3579

Delta R.T. 0.003 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

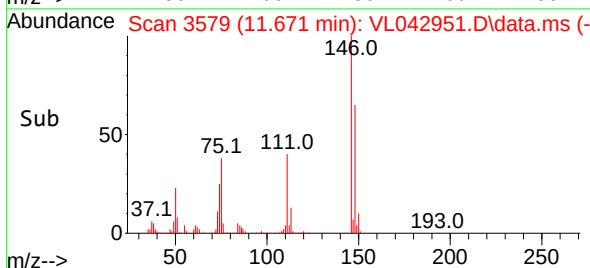
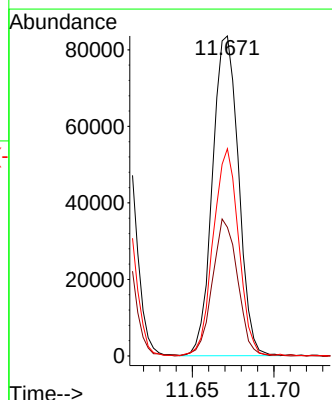
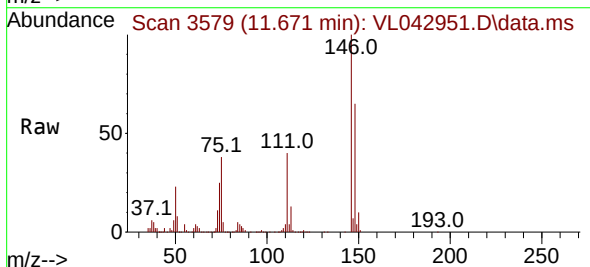
Tgt Ion:146 Resp: 92794

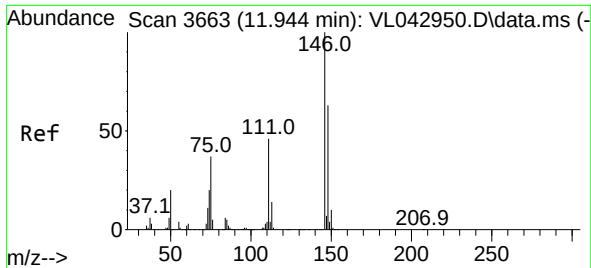
Ion Ratio Lower Upper

146 100

111 41.6 21.5 64.5

148 63.6 31.9 95.5

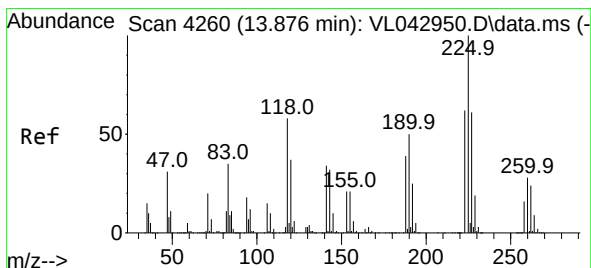
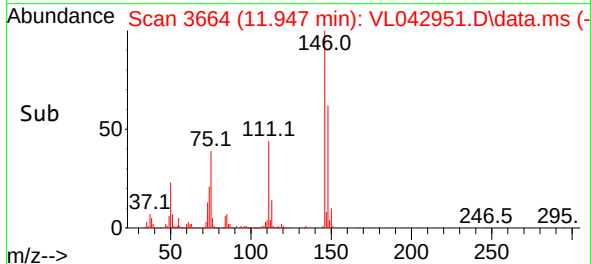
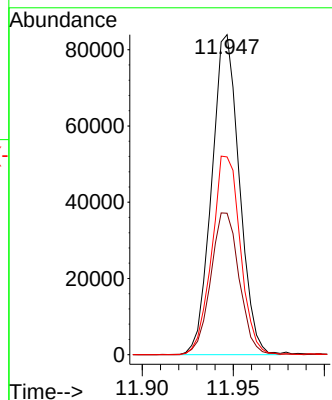
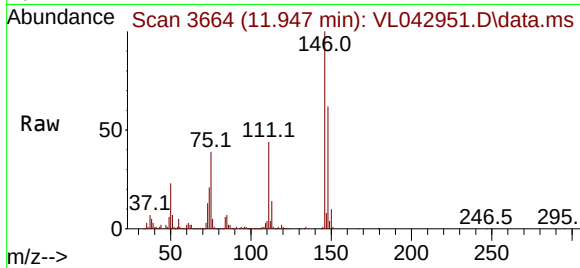




#77
1,2-Dichlorobenzene
Concen: 2.144 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

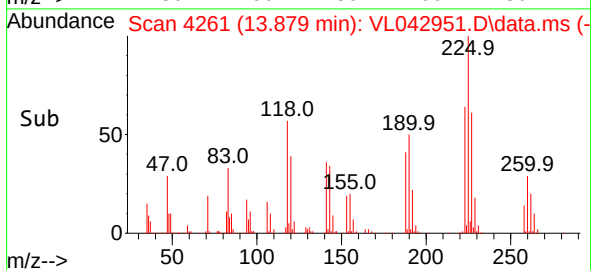
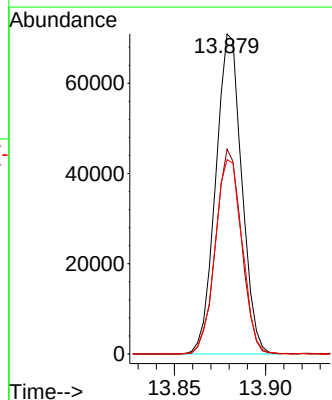
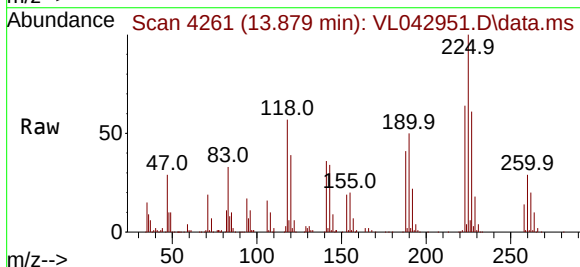
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

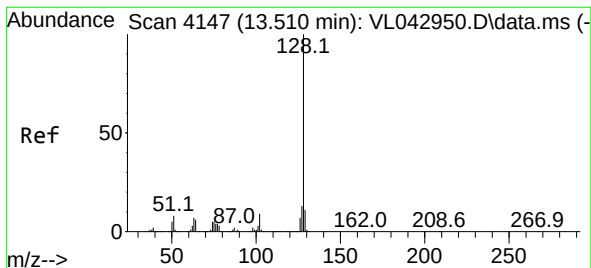
Tgt Ion:146 Resp: 88825
Ion Ratio Lower Upper
146 100
111 45.8 23.1 69.3
148 64.0 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 2.175 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL042951.D
Acq: 22 Sep 2025 10:14

Tgt Ion:225 Resp: 70481
Ion Ratio Lower Upper
225 100
223 63.3 50.1 75.1
227 63.3 50.4 75.6





#79

Naphthalene

Concen: 2.297 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

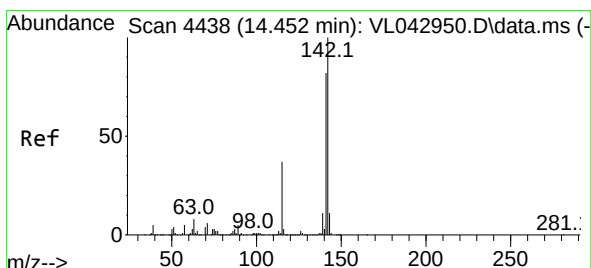
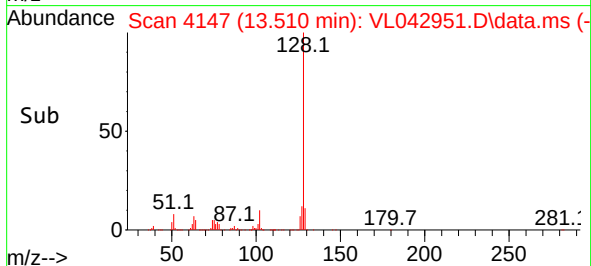
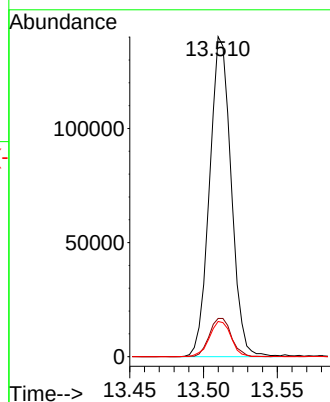
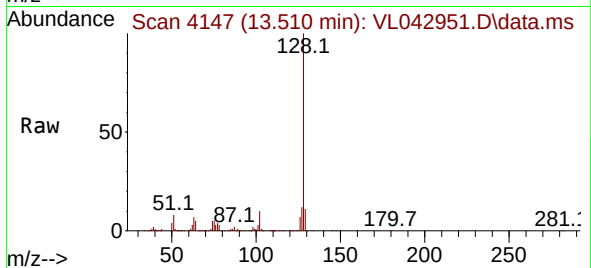
Tgt Ion:128 Resp: 142653

Ion Ratio Lower Upper

128 100

127 12.0 10.6 15.8

129 11.0 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 2.157 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL042951.D

Acq: 22 Sep 2025 10:14

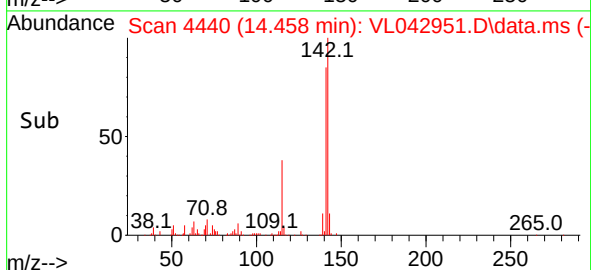
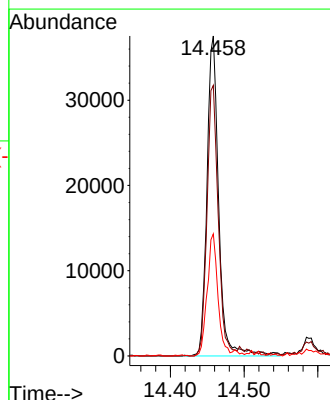
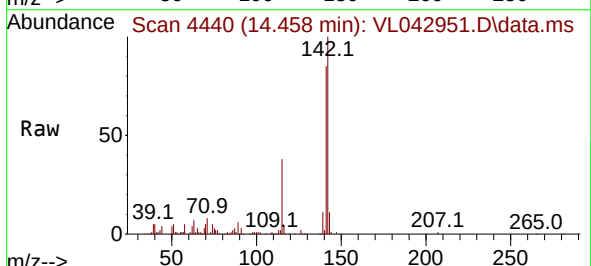
Tgt Ion:142 Resp: 41369

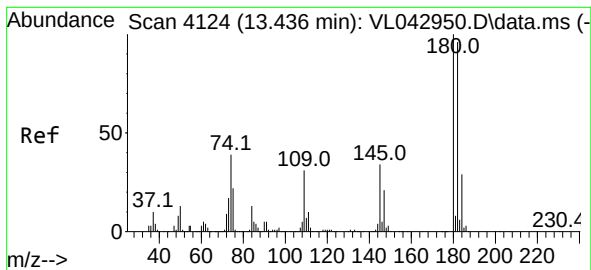
Ion Ratio Lower Upper

142 100

141 83.8 65.1 97.7

115 36.1 28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 2.263 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042951.D

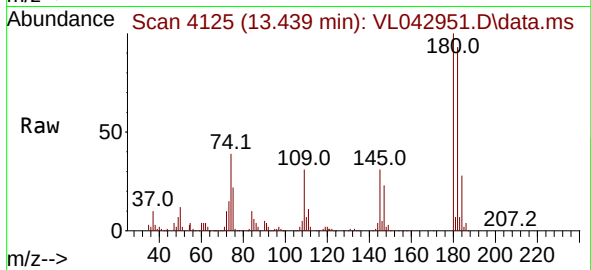
Acq: 22 Sep 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 75139

Ion Ratio Lower Upper

180 100

182 95.4 75.7 113.5

184 29.0 23.9 35.9

