

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042959.D
 Acq On : 22 Sep 2025 15:52
 Operator : SY/MD
 Sample : VL0922ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABS01

Quant Time: Sep 23 02:50:52 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 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	157611	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	475789	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	440323	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	329520	10.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	196098	9.250	ppbv	98
3) Chlorodifluoromethane	1.476	51	241019	9.122	ppbv	98
4) Chloromethane	1.531	50	83097	8.660	ppbv	99
5) Vinyl Chloride	1.580	62	72910	8.405	ppbv	100
6) Bromomethane	1.667	94	25316	8.274	ppbv	96
7) Chloroethane	1.703	64	29696	8.816	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	162369	8.972	ppbv	99
9) Propene	1.483	41	99904	8.692	ppbv	96
10) Heptane	4.978	43	277314	9.040	ppbv	98
11) Trichlorofluoromethane	1.878	101	186968	9.147	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	149089	9.007	ppbv	98
13) Ethanol	1.719	45	7189	6.447	ppbv	97
14) Bromoethene	1.781	108	55444	8.860	ppbv	99
15) Acetone	1.836	43	151513	7.381	ppbv	98
16) 1,3-Butadiene	1.609	39	78310	8.087	ppbv	100
17) tert-Butyl alcohol	2.040	59	202608	8.999	ppbv	100
18) 1,1-Dichloroethene	2.033	96	68641	8.959	ppbv	98
19) Isopropyl Alcohol	1.884	45	106256	8.610	ppbv	100
20) Methylene Chloride	2.062	84	60096	9.806	ppbv	97
21) Allyl Chloride	2.095	41	129200	9.037	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	77254	8.874	ppbv	100
23) Vinyl Acetate	2.464	43	248190	8.463	ppbv	99
24) 1,1-Dichloroethane	2.409	63	154444	9.046	ppbv	99
25) Ethyl Acetate	2.833	43	477860	9.210	ppbv	99
26) Hexane	2.826	57	215902	9.129	ppbv	98
27) Carbon Disulfide	2.150	76	187493	8.839	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	95760	7.790	ppbv	99
29) Chloroform	2.849	83	295049	9.541	ppbv	99
30) Cyclohexane	3.855	84	184610	9.336	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	206747	9.332	ppbv	99
32) 1,1,1-Trichloroethane	3.367	97	301400	9.024	ppbv	99
34) 2-Butanone	2.557	43	308258	9.245	ppbv	99
35) Carbon Tetrachloride	3.762	117	299002	9.653	ppbv	98
36) Benzene	3.655	78	427346	9.565	ppbv	99
37) 1,2-Dichloroethane	3.218	62	233446	9.935	ppbv	99
38) Trichloroethene	4.548	130	204031	9.189	ppbv	96
39) 1,2-Dichloropropane	4.315	63	157775	9.673	ppbv	98
40) 1,4-Dioxane	4.584	88	70833	9.339	ppbv #	95
41) Tetrahydrofuran	3.053	42	177879	9.281	ppbv	99
42) Bromodichloromethane	4.490	83	324757	9.924	ppbv	94
43) Methyl Methacrylate	4.878	69	169093	9.250	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	725943	9.407	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185943	9.538	ppbv	98

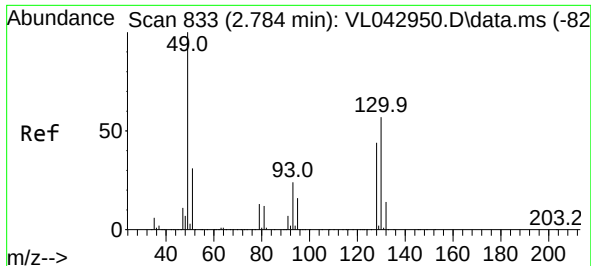
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042959.D
 Acq On : 22 Sep 2025 15:52
 Operator : SY/MD
 Sample : VL0922ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL0922ABS01

Quant Time: Sep 23 02:50:52 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 02:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	240185	9.667	ppbv	98
47) 1,1,2-Trichloroethane	6.581	97	165106	9.580	ppbv	97
48) Dibromochloromethane	7.387	129	275781	10.002	ppbv	99
49) Bromoform	9.484	173	235060	9.800	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	431031	9.645	ppbv	99
51) 2-Hexanone	7.435	43	343461	9.641	ppbv	100
52) Tetrachloroethene	8.228	164	150483	8.705	ppbv	97
53) Toluene	6.933	91	501548	9.484	ppbv	100
54) 1,2-Dibromoethane	7.652	107	235389	9.704	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	200560	9.516	ppbv	98
57) Chlorobenzene	8.924	112	377524	9.392	ppbv	97
58) Ethyl Benzene	9.354	91	686057	9.489	ppbv	99
59) m/p-Xylene	9.532	91	564158	9.897	ppbv #	100
60) o-Xylene	9.966	91	537008	9.426	ppbv	100
61) Styrene	9.872	104	258756	9.602	ppbv	98
62) Isopropylbenzene	10.539	105	787602	9.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	266223	8.890	ppbv	100
64) n-propylbenzene	10.989	120	208358	9.389	ppbv	100
65) tert-Butylbenzene	11.533	119	694033	9.188	ppbv	99
66) Benzyl Chloride	11.617	91	64955	8.196	ppbv	99
67) sec-Butylbenzene	11.769	105	974750	9.261	ppbv	99
69) p-Isopropyltoluene	11.924	119	820532	9.229	ppbv	99
70) n-Butylbenzene	12.280	91	818866	9.434	ppbv	100
71) 2-Chlorotoluene	10.902	91	598619	9.336	ppbv	100
72) 4-Ethyltoluene	11.125	105	665916	9.332	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	552039	9.539	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	592889	9.277	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	368544	9.299	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	369921	9.397	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	350261	9.288	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	246743	8.366	ppbv	99
79) Naphthalene	13.514	128	579760	10.259	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	167256	9.581	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	300876	9.958	ppbv	99

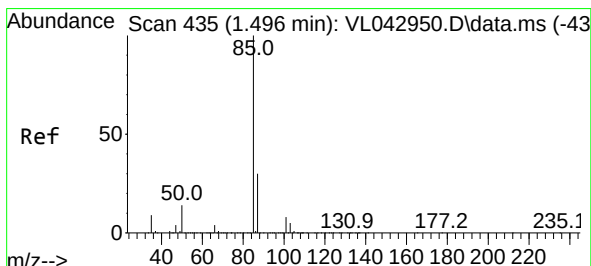
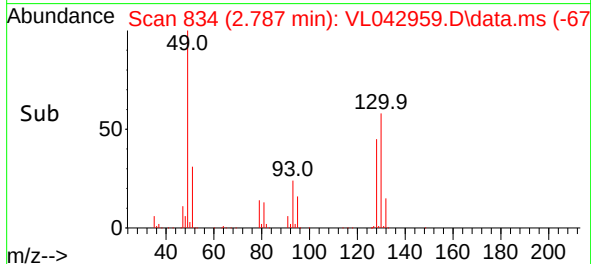
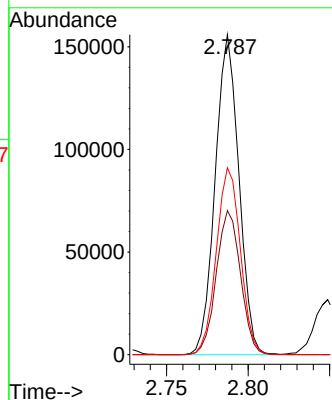
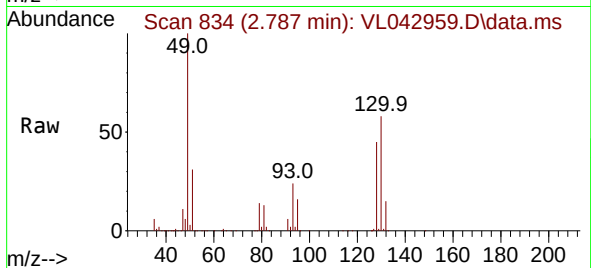
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

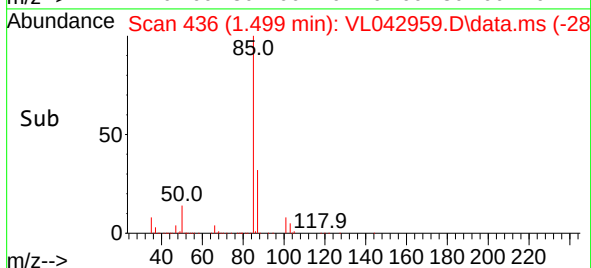
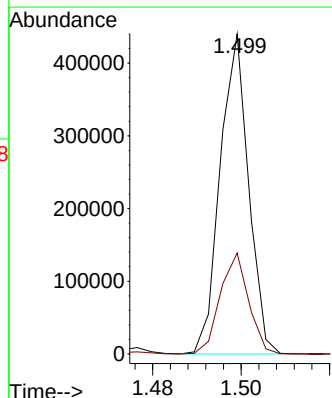
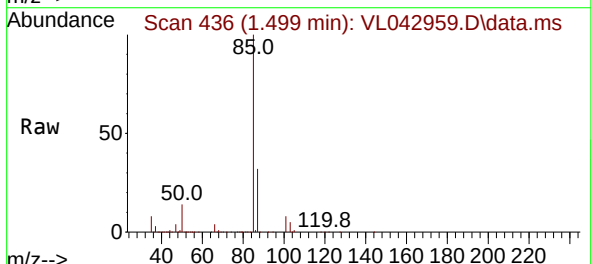
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

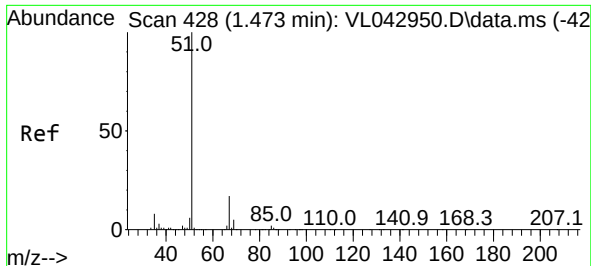
Tgt Ion: 49 Resp: 157611
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.8
130 59.3 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 9.250 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 85 Resp: 196098
Ion Ratio Lower Upper
85 100
87 31.5 24.3 36.5

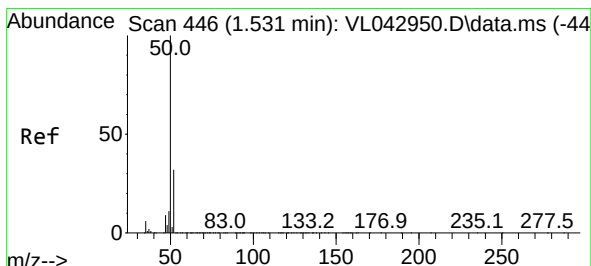
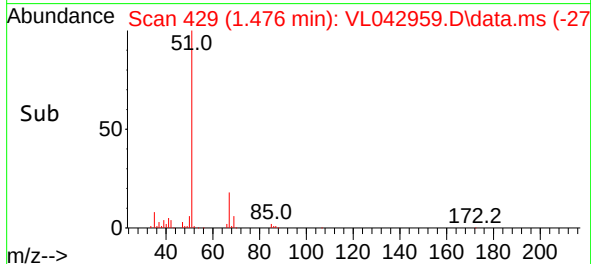
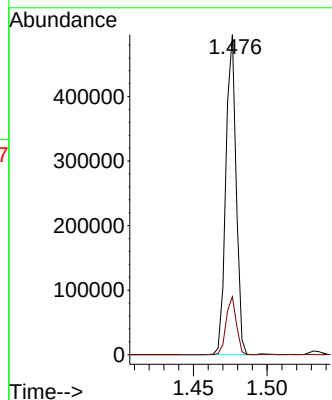
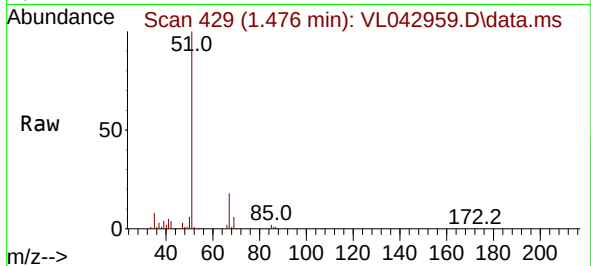




#3
Chlorodifluoromethane
Concen: 9.122 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

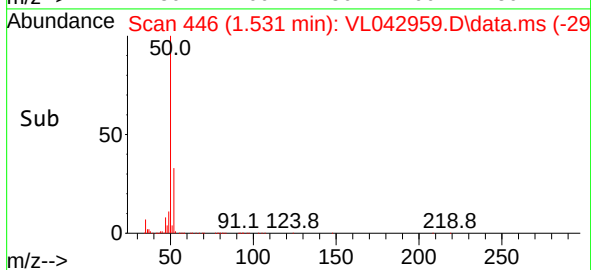
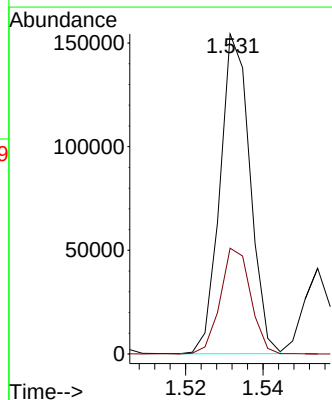
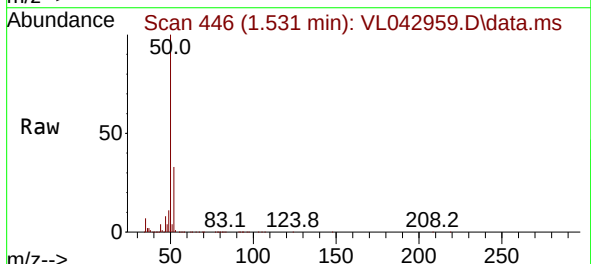
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

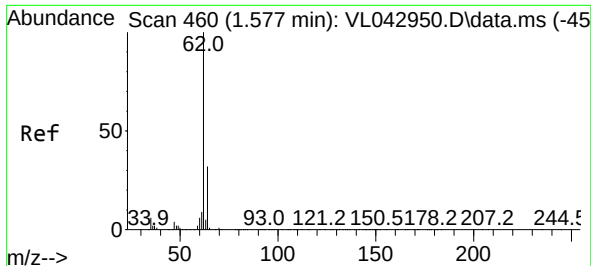
Tgt Ion: 51 Resp: 241019
Ion Ratio Lower Upper
51 100
67 18.1 13.8 20.8



#4
Chloromethane
Concen: 8.660 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 50 Resp: 83097
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9

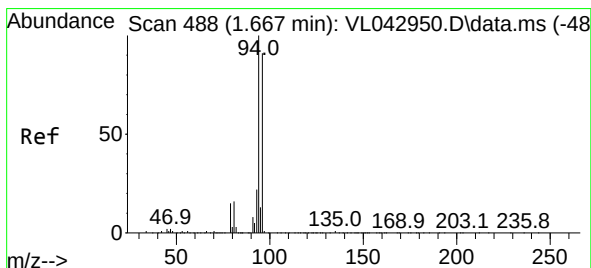
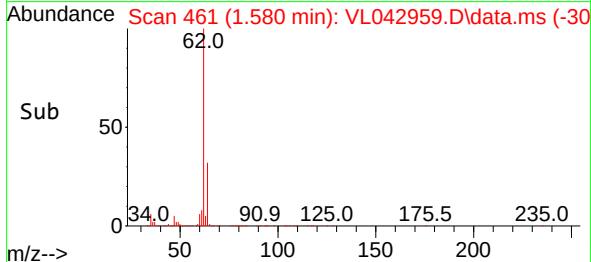
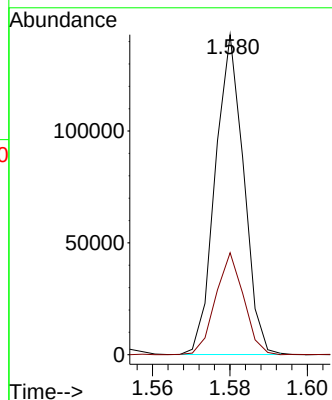
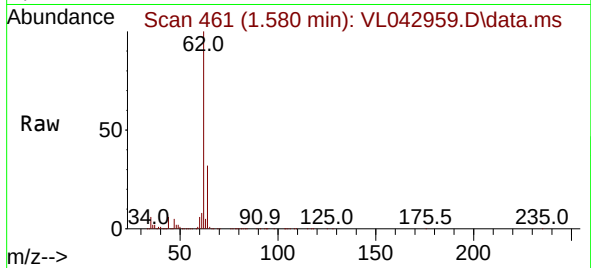




#5
 Vinyl Chloride
 Concen: 8.405 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

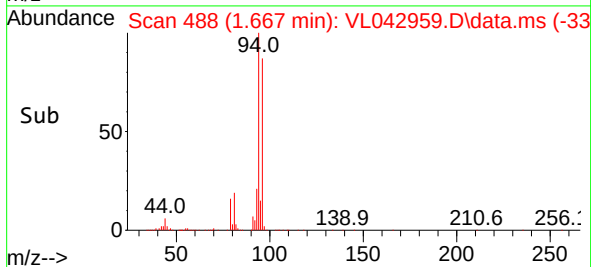
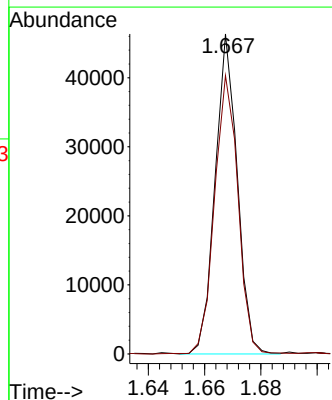
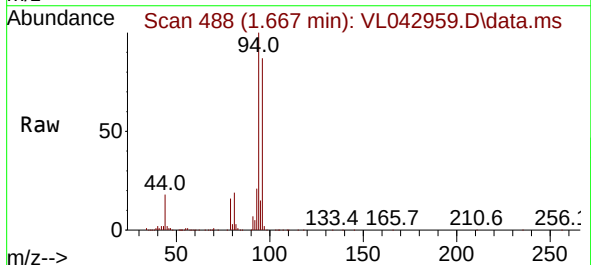
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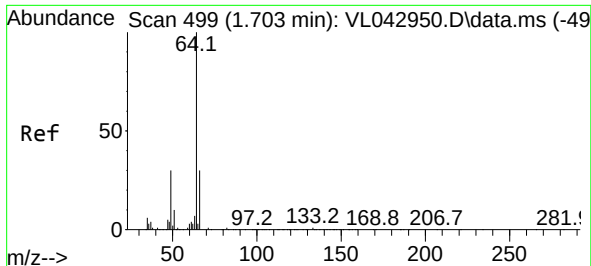
Tgt Ion: 62 Resp: 72910
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.4 38.2



#6
 Bromomethane
 Concen: 8.274 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Tgt Ion: 94 Resp: 25316
 Ion Ratio Lower Upper
 94 100
 96 86.9 72.6 108.8

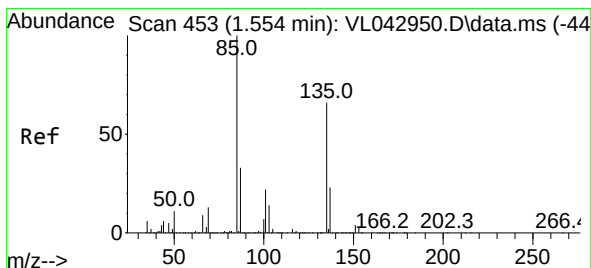
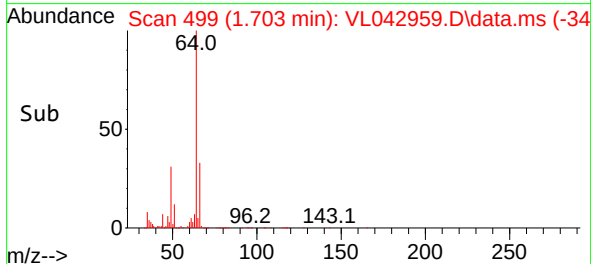
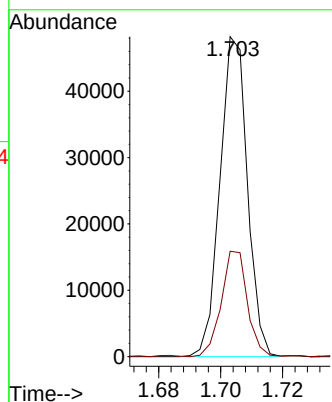
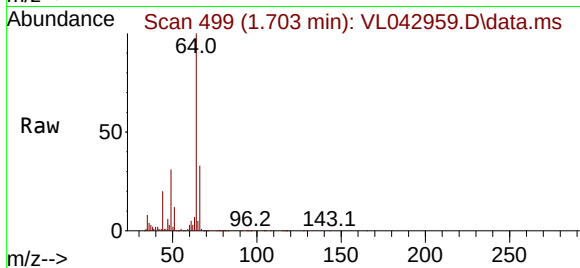




#7
Chloroethane
Concen: 8.816 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

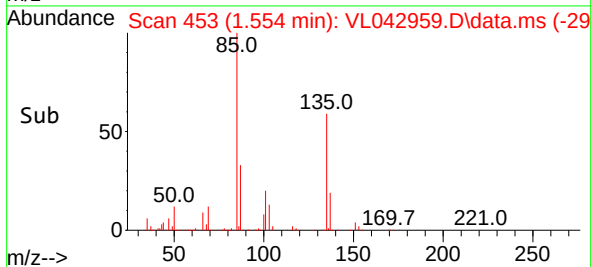
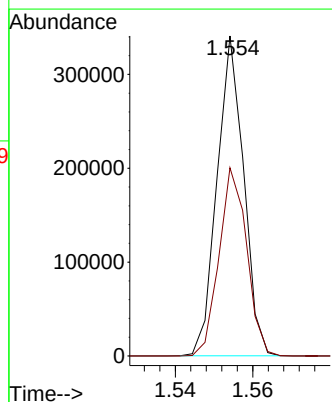
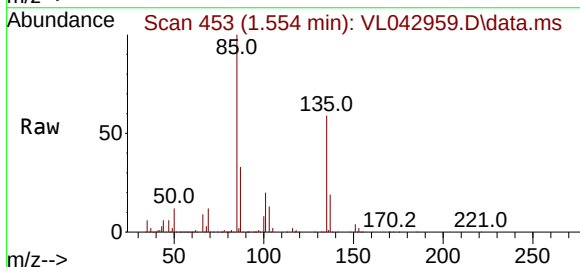
Instrument :
MSVOA_L
ClientSampleId :
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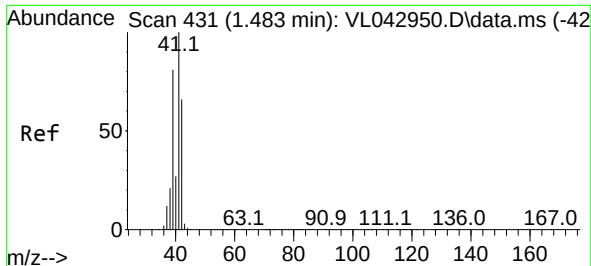
Tgt Ion: 64 Resp: 29696
Ion Ratio Lower Upper
64 100
66 32.9 24.6 36.8



#8
Dichlorotetrafluoroethane
Concen: 8.972 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 85 Resp: 162369
Ion Ratio Lower Upper
85 100
135 61.3 49.7 74.5

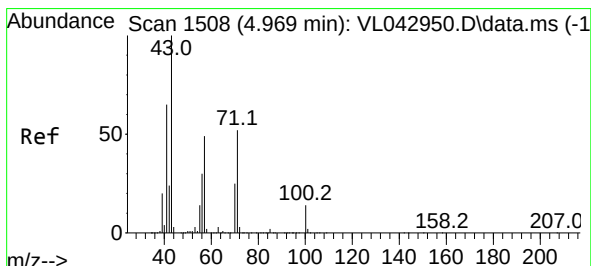
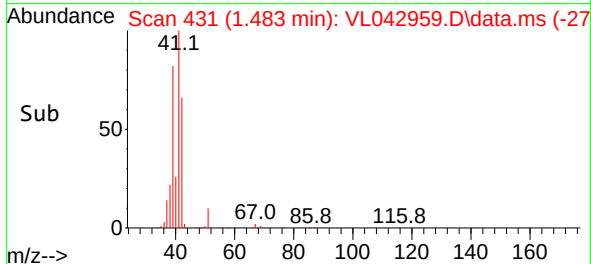
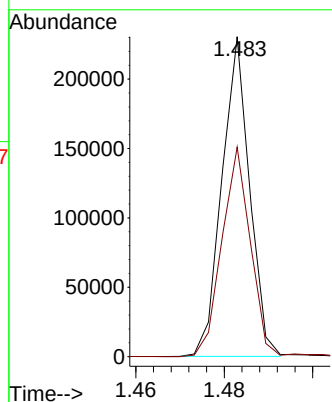
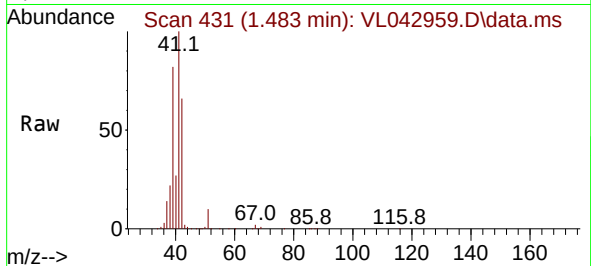




#9
 Propene
 Concen: 8.692 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

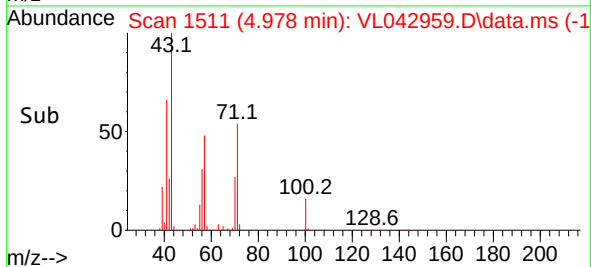
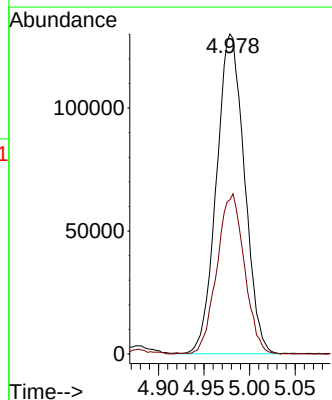
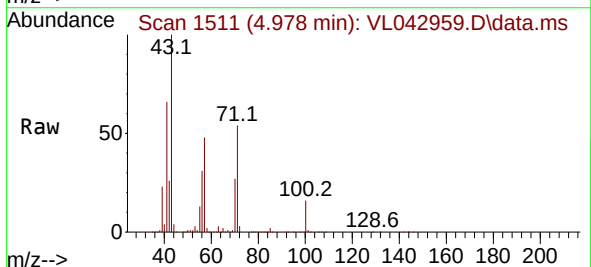
Instrument :
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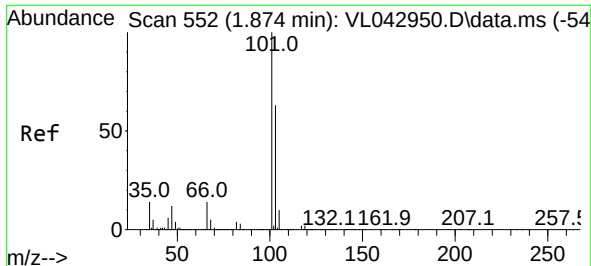
Tgt Ion: 41 Resp: 99904
 Ion Ratio Lower Upper
 41 100
 42 68.7 57.4 86.2



#10
 Heptane
 Concen: 9.040 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.010 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Tgt Ion: 43 Resp: 277314
 Ion Ratio Lower Upper
 43 100
 57 49.3 38.6 57.8

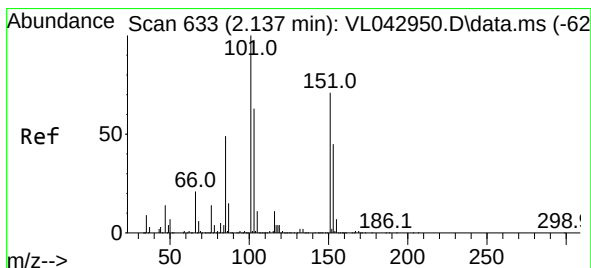
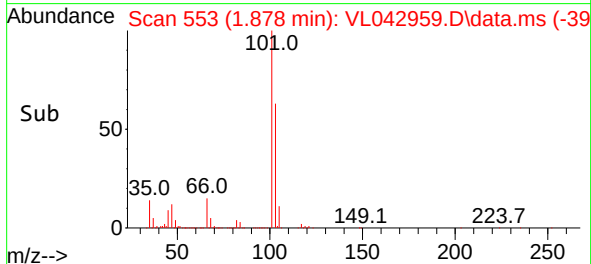
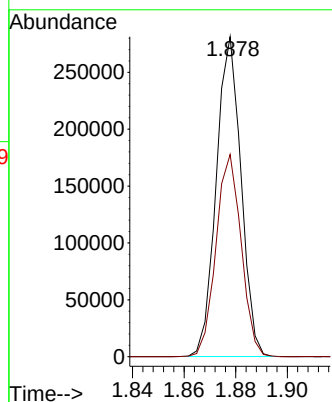
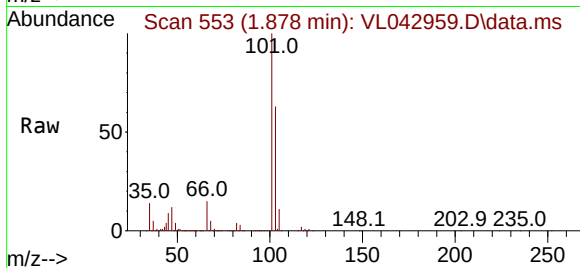




#11
Trichlorofluoromethane
Concen: 9.147 ppbv
RT: 1.878 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

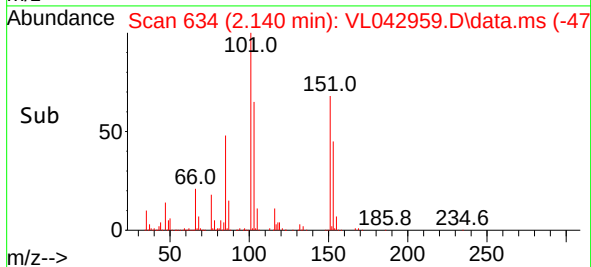
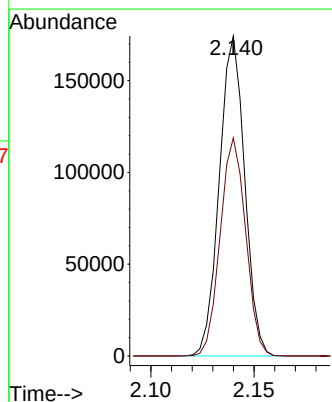
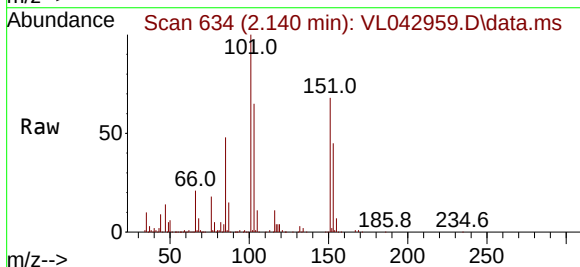
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ClientSampleId :
VL0922ABS01

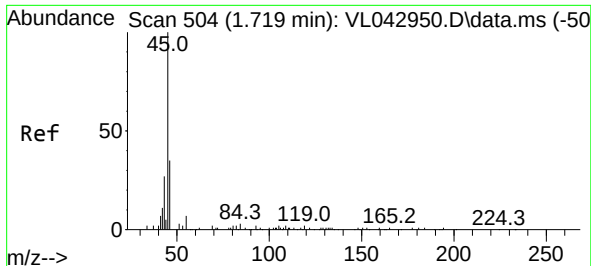
Tgt Ion:101 Resp: 186968
Ion Ratio Lower Upper
101 100
103 63.2 50.1 75.1



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.007 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion:101 Resp: 149089
Ion Ratio Lower Upper
101 100
151 68.3 55.7 83.5

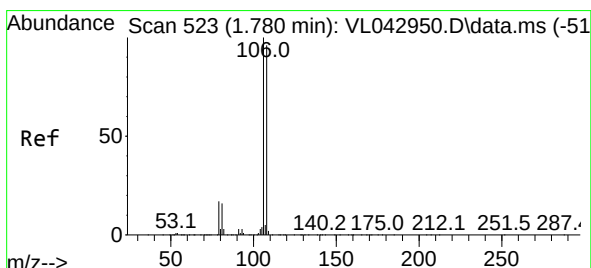
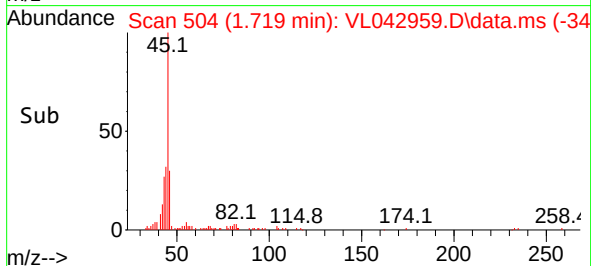
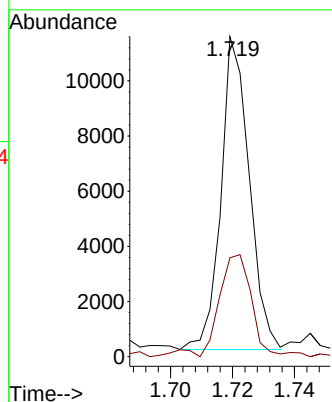
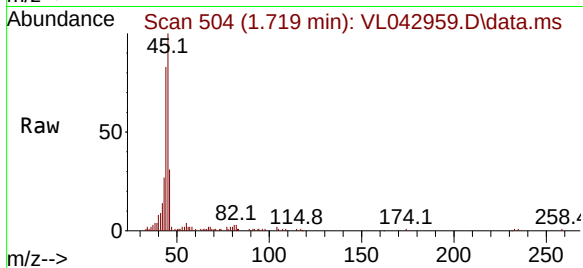




#13
Ethanol
Concen: 6.447 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

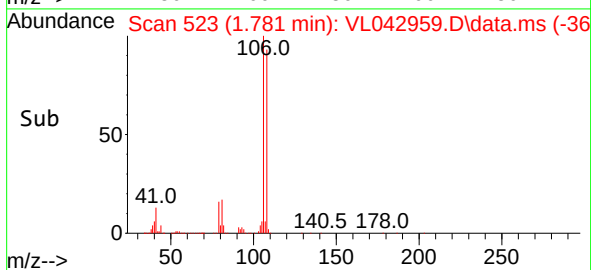
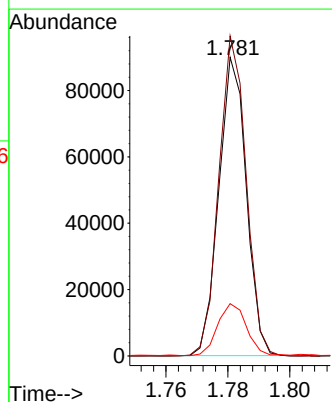
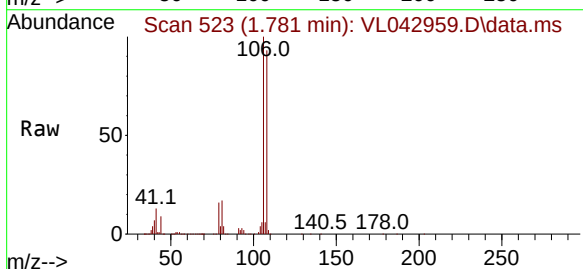
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

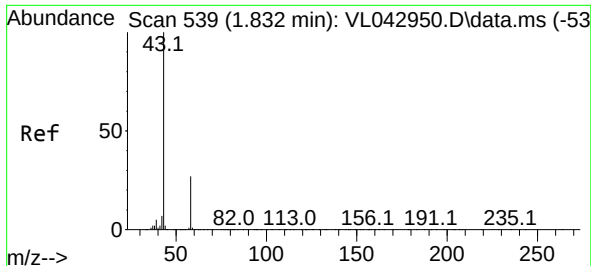
Tgt Ion: 45 Resp: 7189
Ion Ratio Lower Upper
45 100
46 38.5 16.2 64.6



#14
Bromoethene
Concen: 8.860 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 108 Resp: 55444
Ion Ratio Lower Upper
108 100
106 106.5 86.0 129.0
79 18.9 14.2 21.2

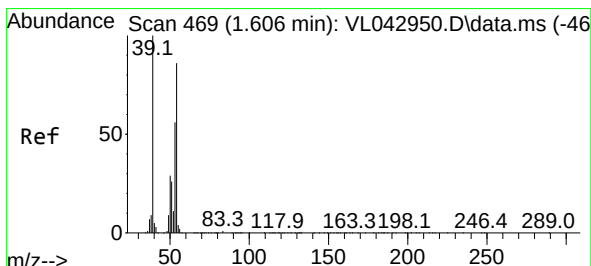
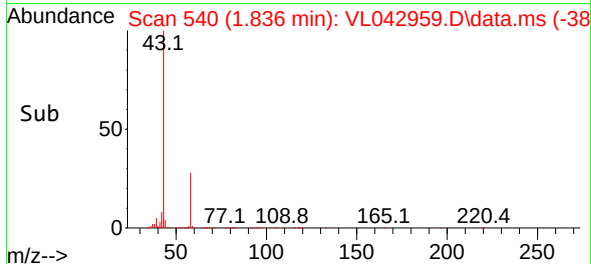
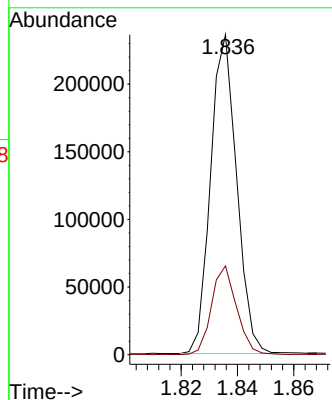
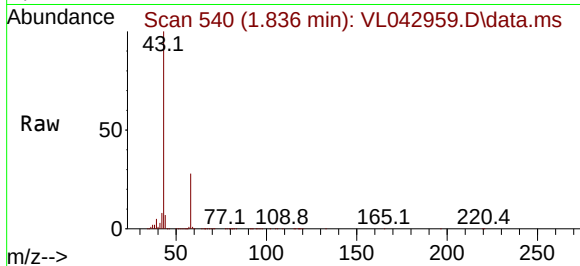




#15
Acetone
Concen: 7.381 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

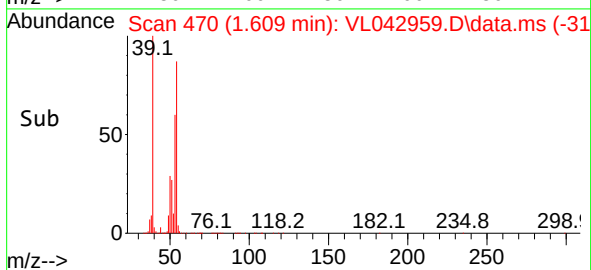
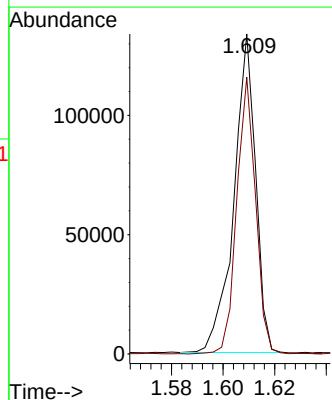
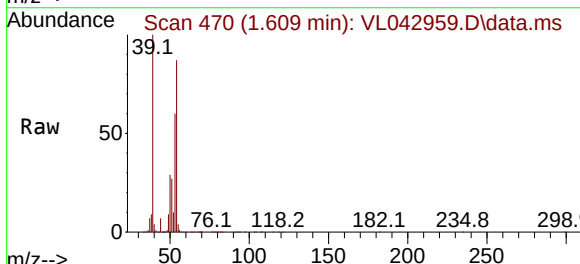
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

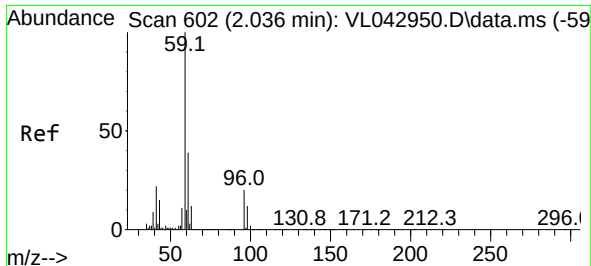
Tgt Ion: 43 Resp: 151513
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#16
1,3-Butadiene
Concen: 8.087 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 39 Resp: 78310
Ion Ratio Lower Upper
39 100
54 76.4 60.8 91.2





#17

tert-Butyl alcohol

Concen: 8.999 ppbv

RT: 2.040 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

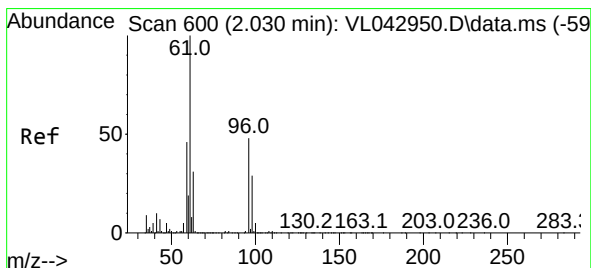
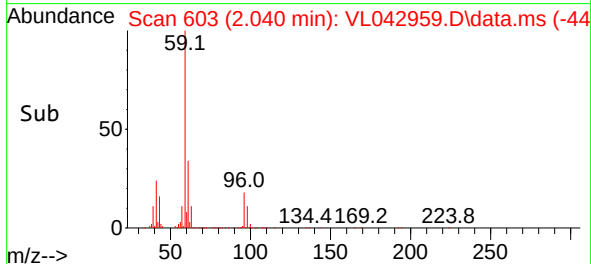
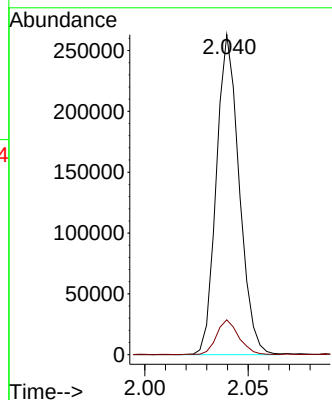
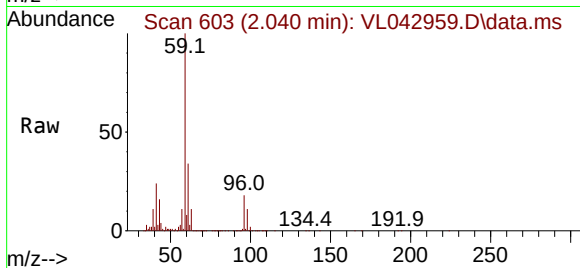
VL0922ABS01

Tgt Ion: 59 Resp: 202608

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 8.959 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

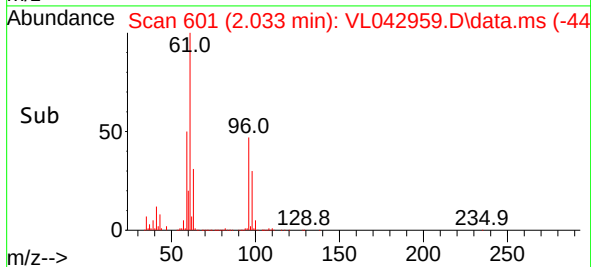
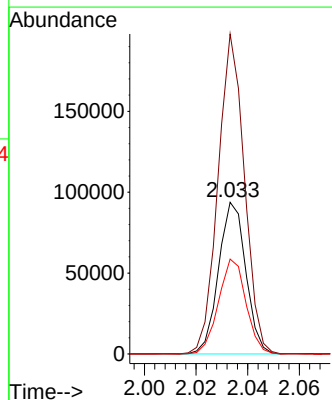
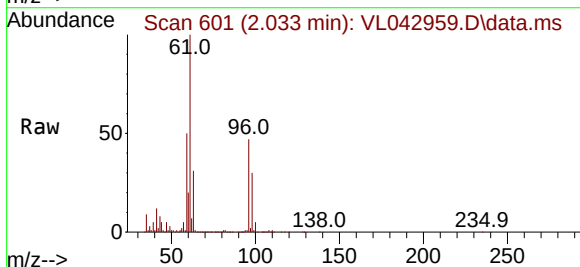
Tgt Ion: 96 Resp: 68641

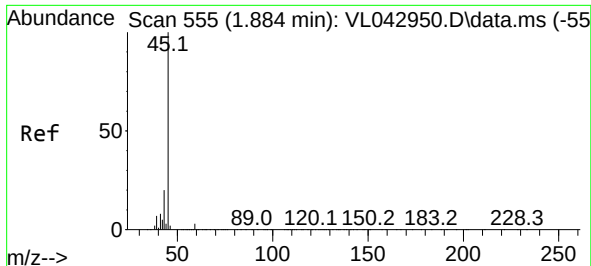
Ion Ratio Lower Upper

96 100

61 211.1 166.2 249.4

98 62.6 48.6 73.0





#19

Isopropyl Alcohol

Concen: 8.610 ppbv

RT: 1.884 min Scan# 511

Delta R.T. 0.000 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

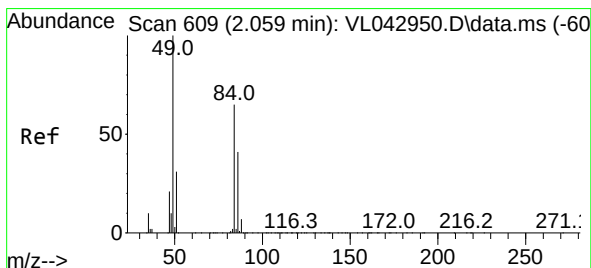
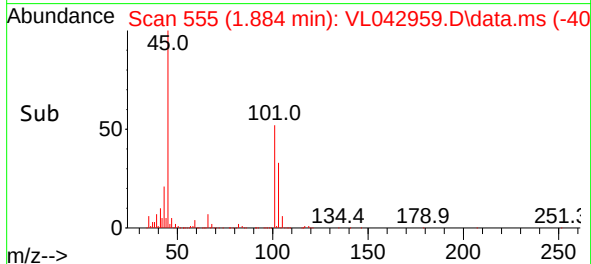
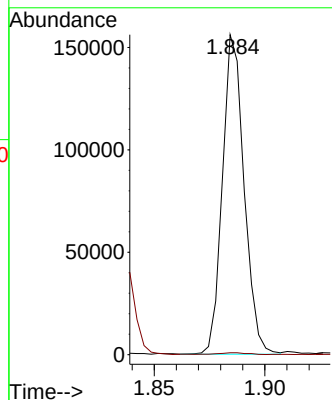
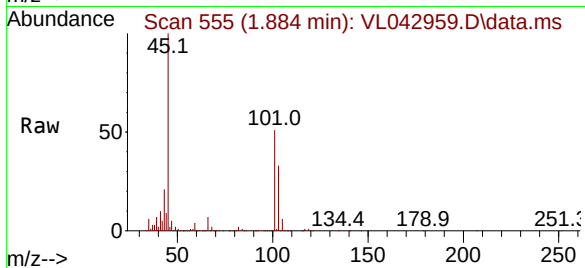
VL0922ABS01

Tgt Ion: 45 Resp: 106256

Ion Ratio Lower Upper

45 100

58 38.8 31.0 46.6



#20

Methylene Chloride

Concen: 9.806 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Tgt Ion: 84 Resp: 60096

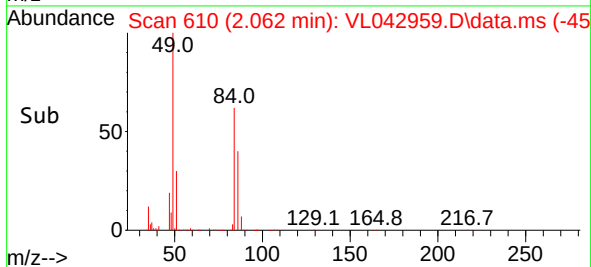
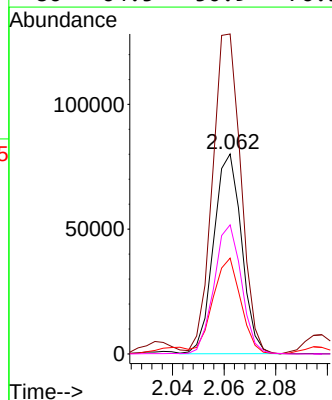
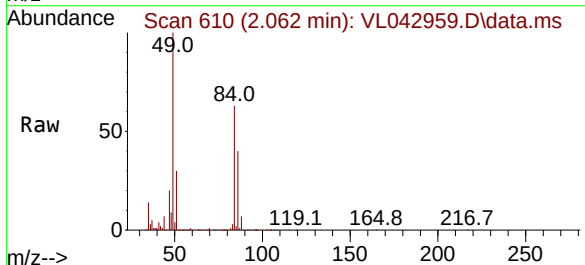
Ion Ratio Lower Upper

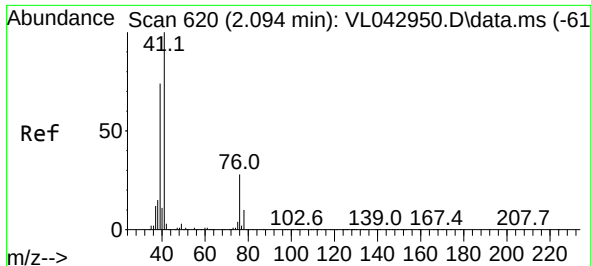
84 100

49 160.2 124.1 186.1

51 47.7 39.8 59.8

86 64.5 50.9 76.3

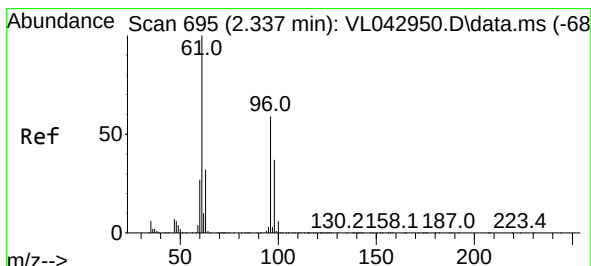
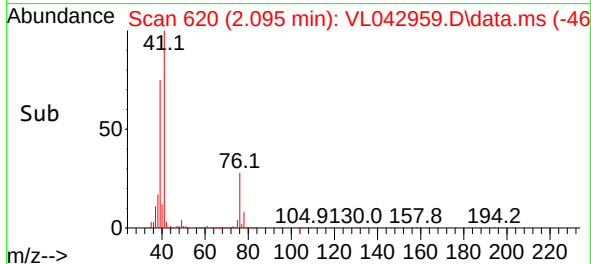
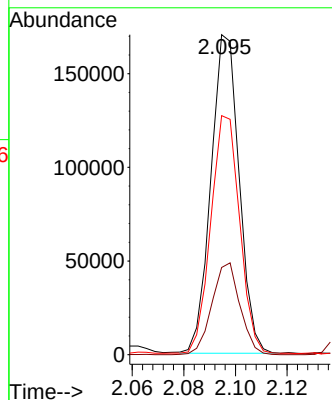
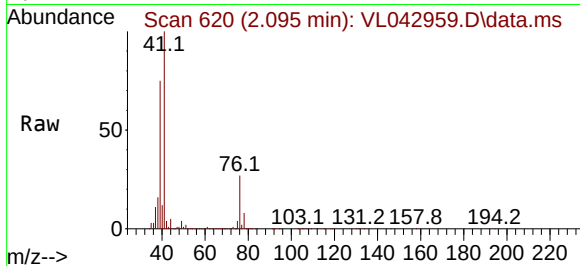




#21
 Allyl Chloride
 Concen: 9.037 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

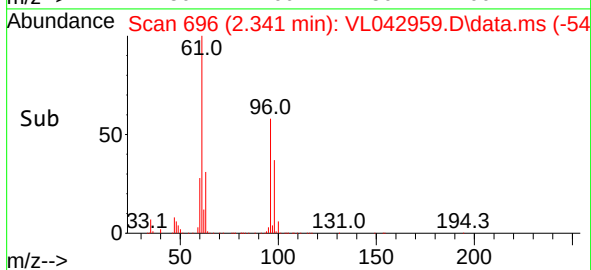
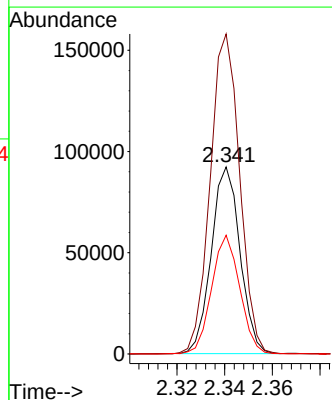
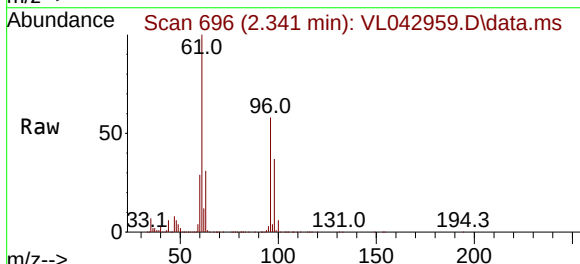
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABS01

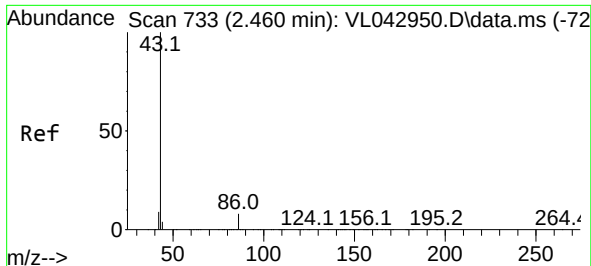
Tgt Ion: 41 Resp: 129200
 Ion Ratio Lower Upper
 41 100
 76 28.6 22.3 33.5
 39 76.2 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 8.874 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Tgt Ion: 96 Resp: 77254
 Ion Ratio Lower Upper
 96 100
 61 171.2 136.5 204.7
 98 63.4 50.6 76.0



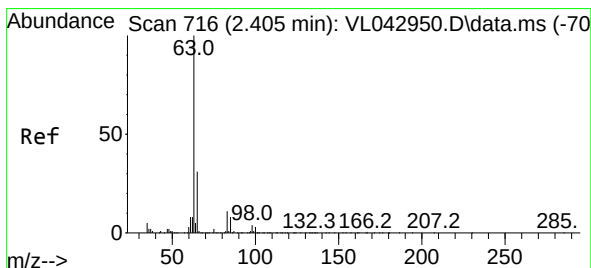
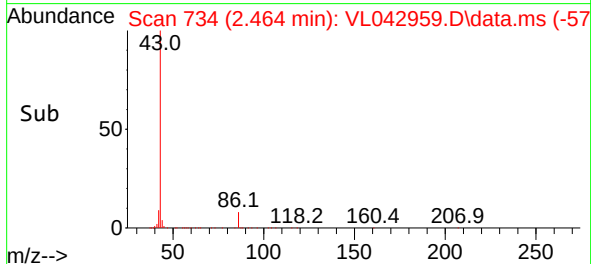
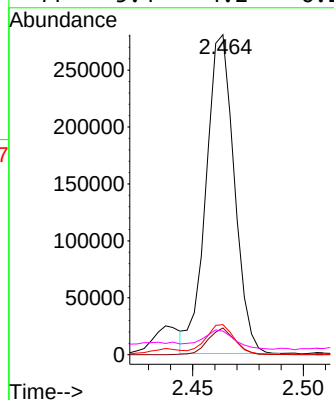
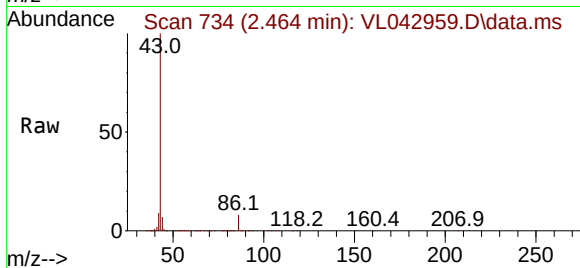


#23
 Vinyl Acetate
 Concen: 8.463 ppbv
 RT: 2.464 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0922ABS01

Tgt Ion: 43 Resp: 248190

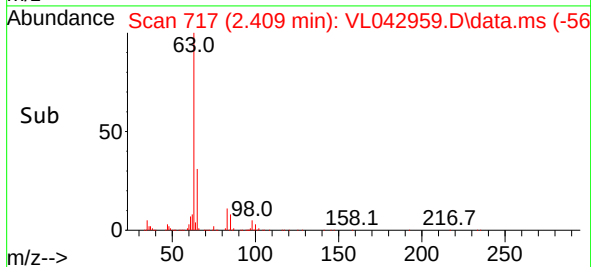
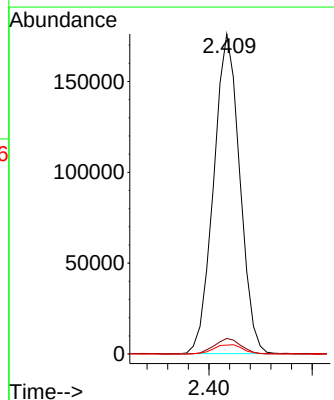
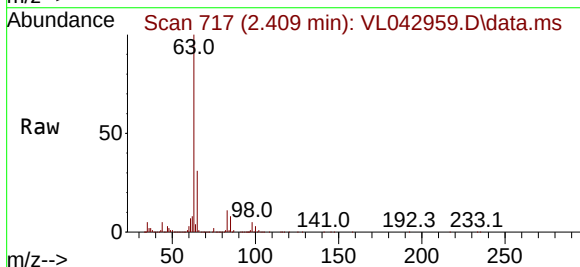
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.2
42	9.3	7.4	11.0
44	5.4	4.2	6.2

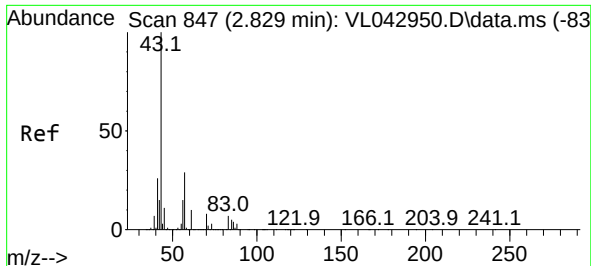


#24
 1,1-Dichloroethane
 Concen: 9.046 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Tgt Ion: 63 Resp: 154444

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.2	6.6
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 9.210 ppbv

RT: 2.833 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

VL0922ABS01

Tgt Ion: 43 Resp: 477860

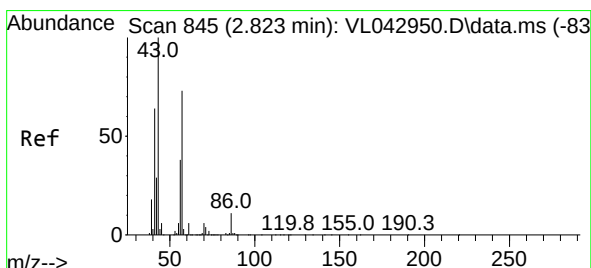
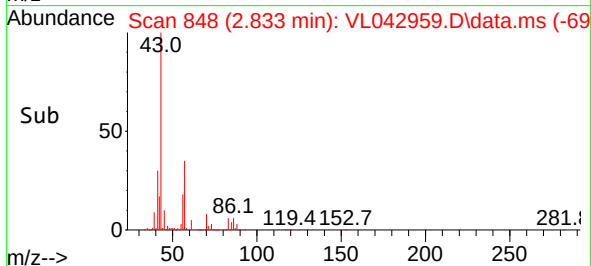
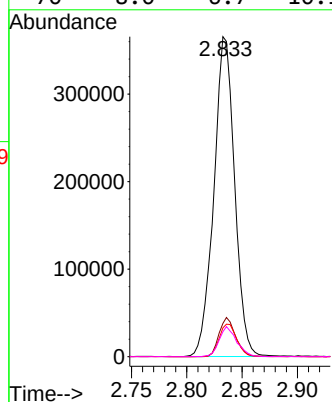
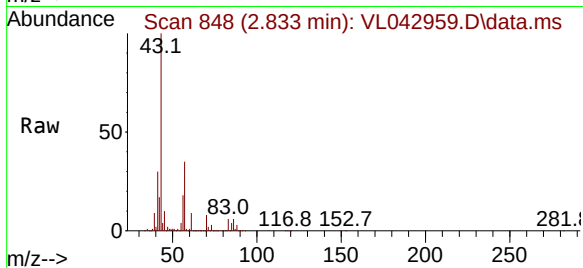
Ion Ratio Lower Upper

43 100

45 9.8 7.7 11.5

61 8.7 7.1 10.7

70 8.0 6.7 10.1



#26

Hexane

Concen: 9.129 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Tgt Ion: 57 Resp: 215902

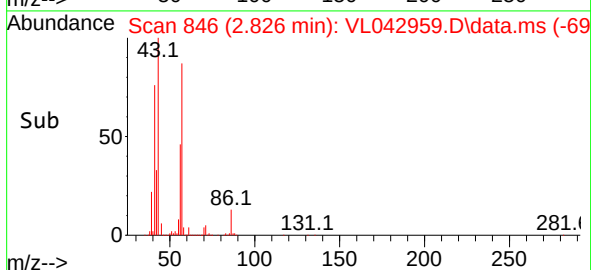
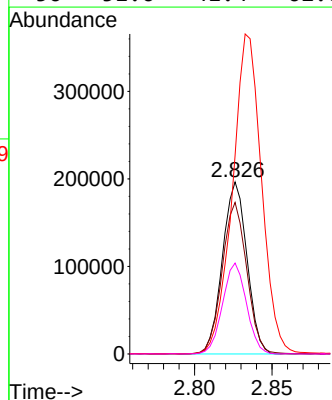
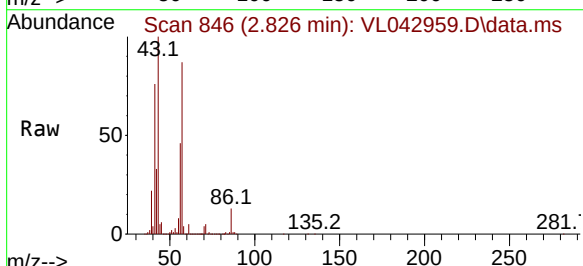
Ion Ratio Lower Upper

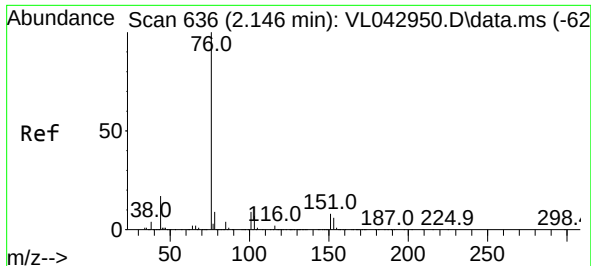
57 100

41 89.1 71.7 107.5

43 221.9 180.8 271.2

56 51.6 41.4 62.0

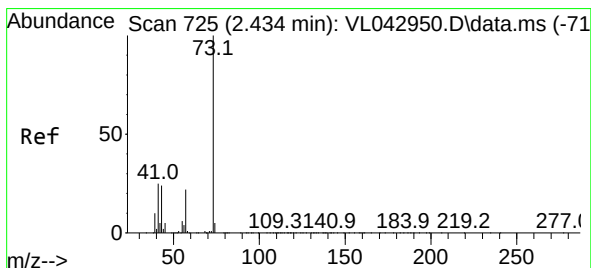
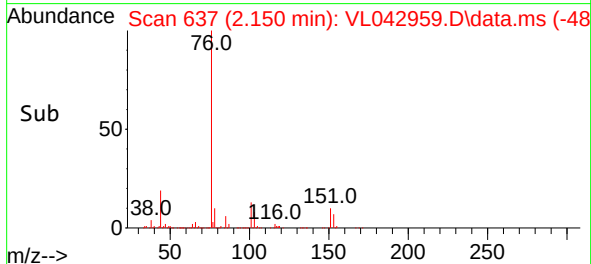
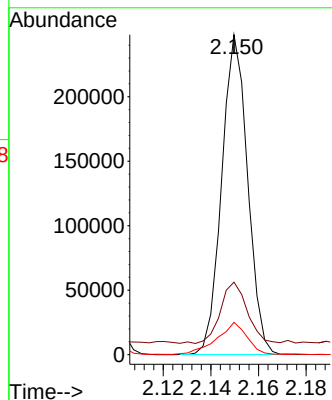
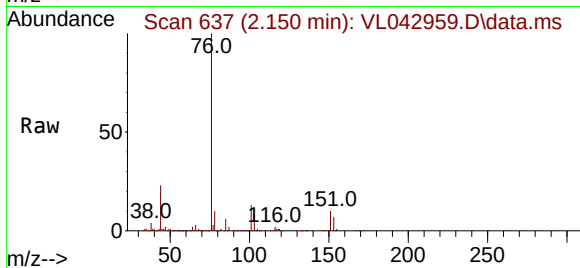




#27
Carbon Disulfide
Concen: 8.839 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

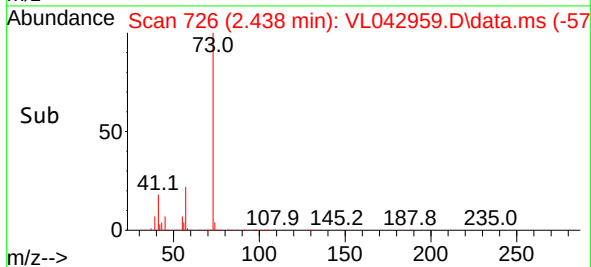
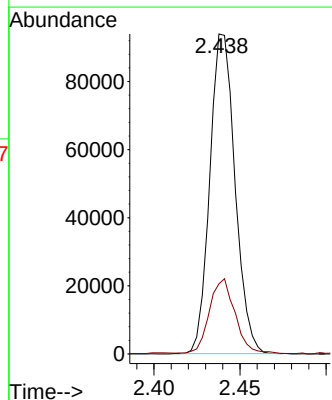
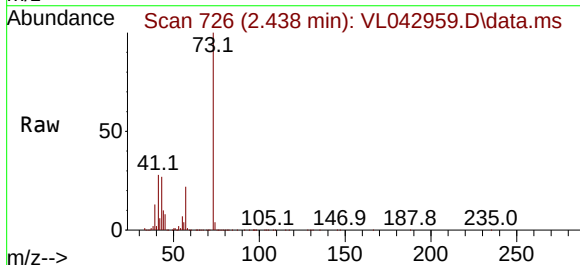
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

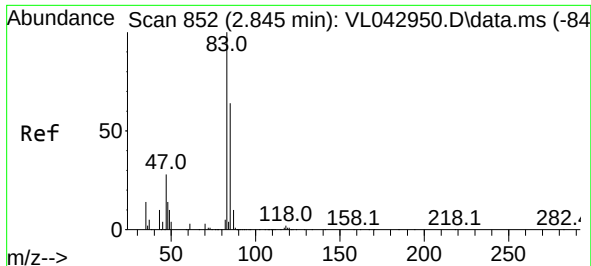
Tgt Ion: 76 Resp: 187493
Ion Ratio Lower Upper
76 100
44 20.1 15.6 23.4
78 11.6 8.9 13.3



#28
Methyl tert-Butyl Ether
Concen: 7.790 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 73 Resp: 95760
Ion Ratio Lower Upper
73 100
57 25.1 20.6 31.0





#29

Chloroform

Concen: 9.541 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

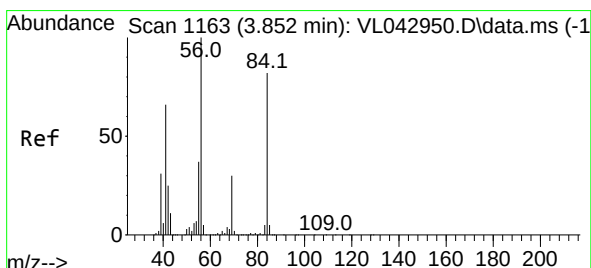
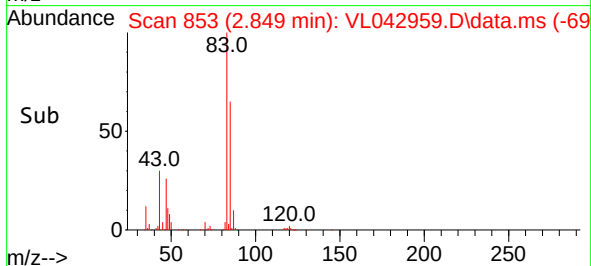
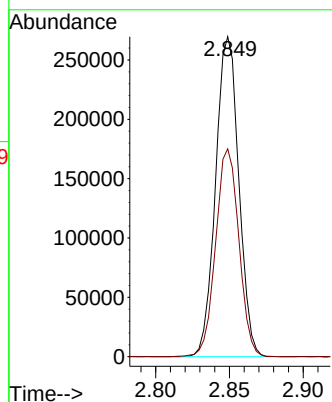
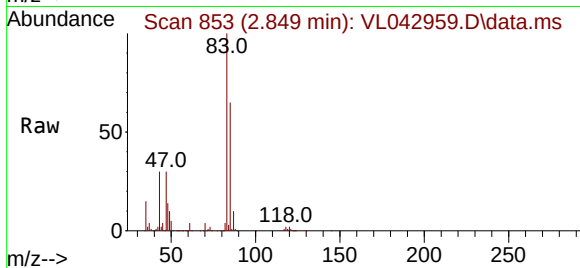
VL0922ABS01

Tgt Ion: 83 Resp: 295049

Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8



#30

Cyclohexane

Concen: 9.336 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

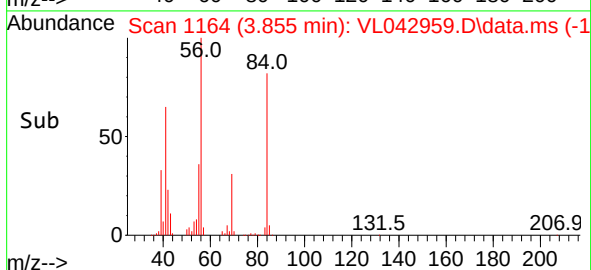
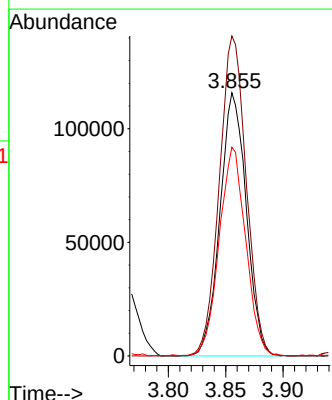
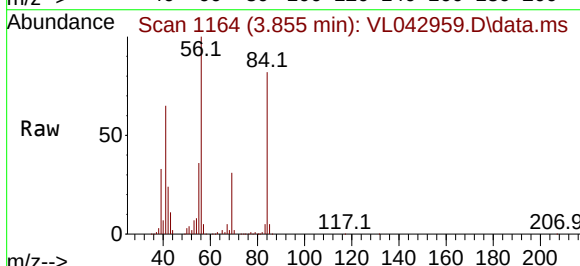
Tgt Ion: 84 Resp: 184610

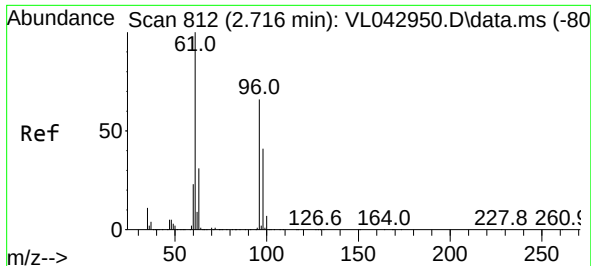
Ion Ratio Lower Upper

84 100

56 124.4 102.2 153.4

41 80.1 65.6 98.4

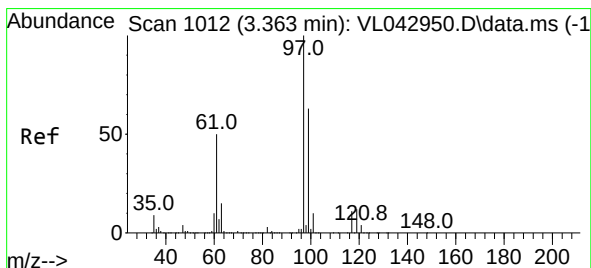
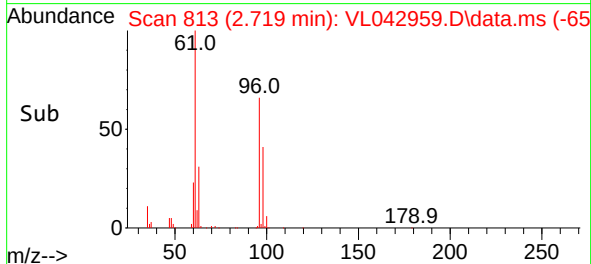
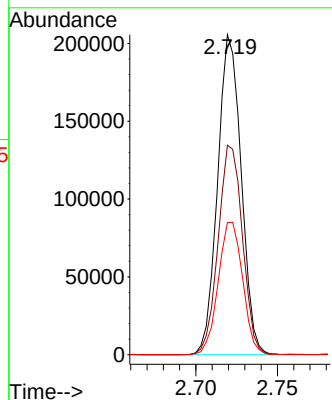
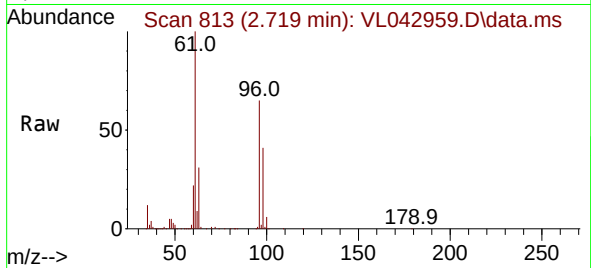




#31
 cis-1,2-Dichloroethene
 Concen: 9.332 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

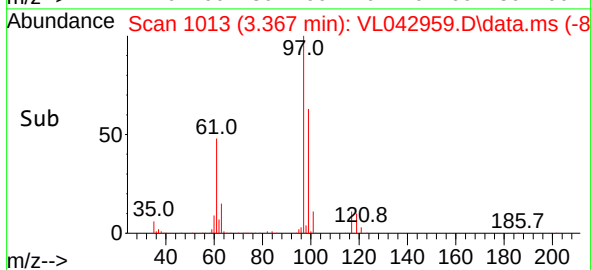
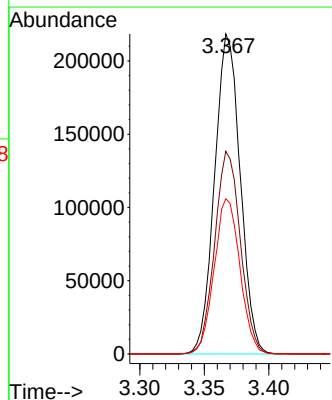
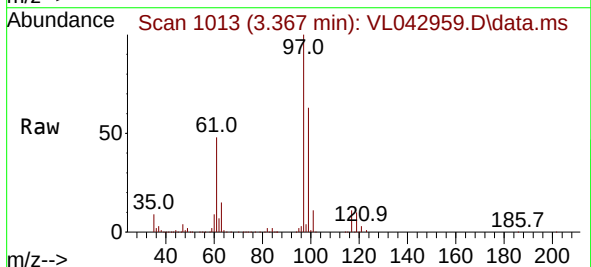
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABS01

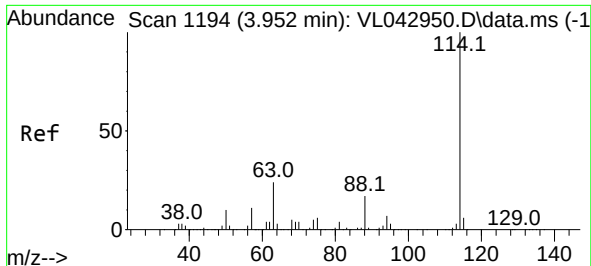
Tgt Ion: 61 Resp: 206747
 Ion Ratio Lower Upper
 61 100
 96 65.5 53.0 79.6
 98 41.2 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 9.024 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Tgt Ion: 97 Resp: 301400
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.1 76.7
 61 48.8 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

VL0922ABS01

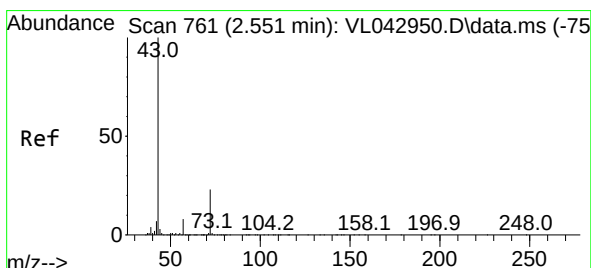
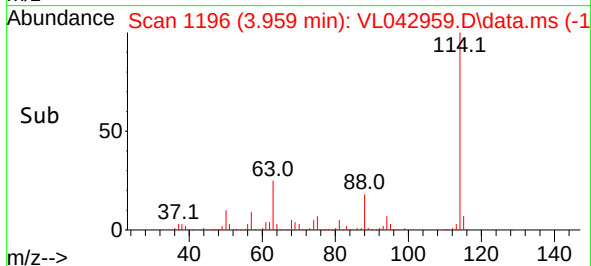
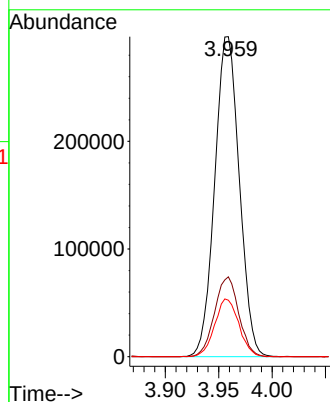
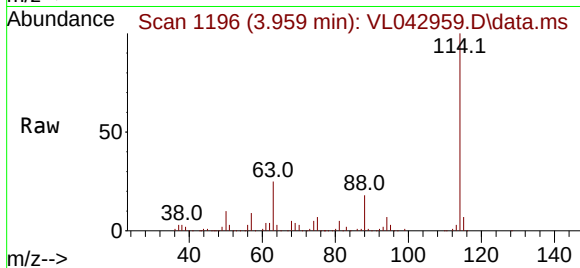
Tgt Ion:114 Resp: 475789

Ion Ratio Lower Upper

114 100

63 24.6 19.4 29.2

88 17.8 14.2 21.2



#34

2-Butanone

Concen: 9.245 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.007 min

Lab File: VL042959.D

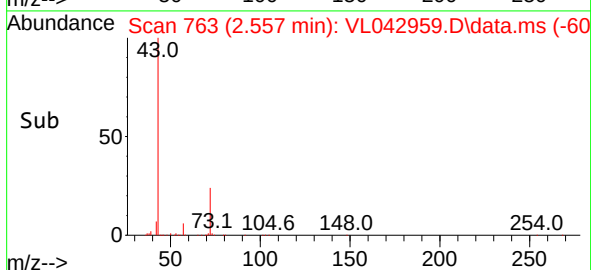
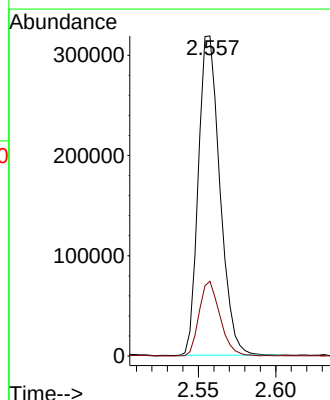
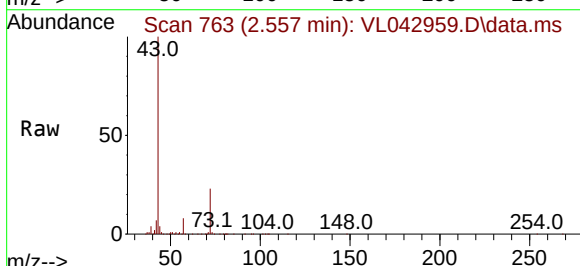
Acq: 22 Sep 2025 15:52

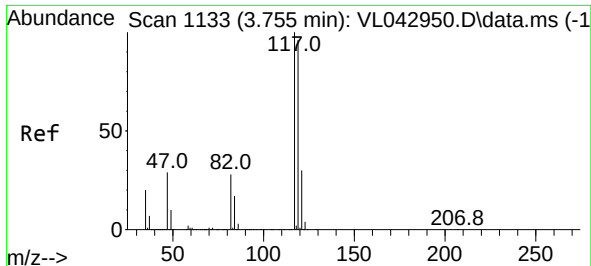
Tgt Ion: 43 Resp: 308258

Ion Ratio Lower Upper

43 100

72 22.8 17.7 26.5

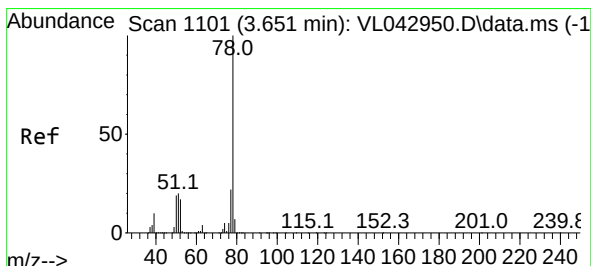
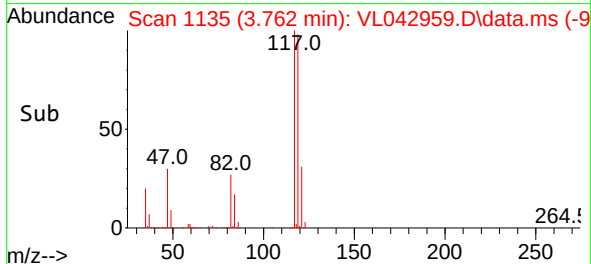
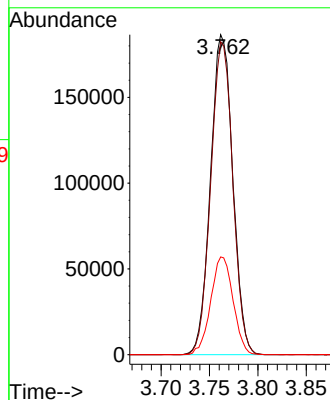
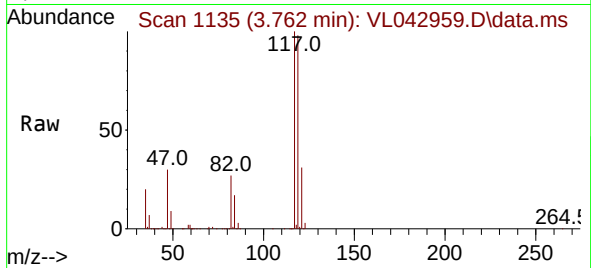




#35
Carbon Tetrachloride
Concen: 9.653 ppbv
RT: 3.762 min Scan# 1135
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

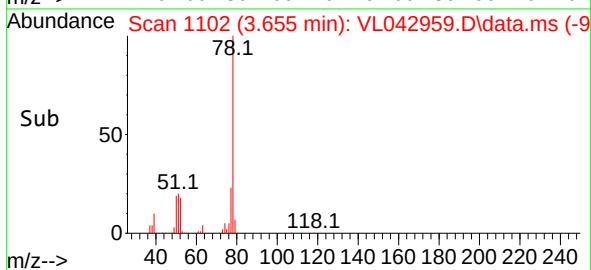
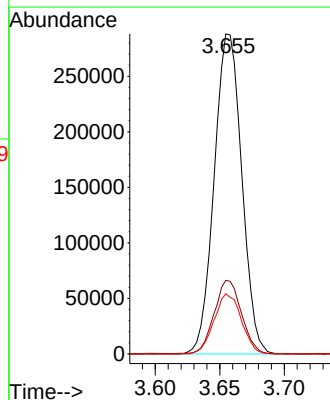
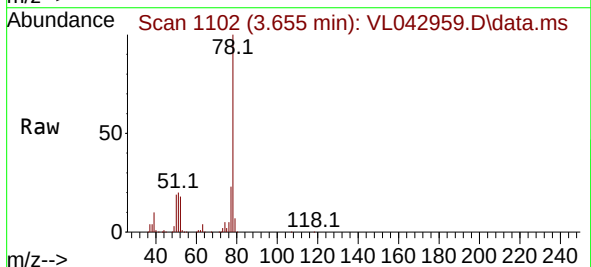
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

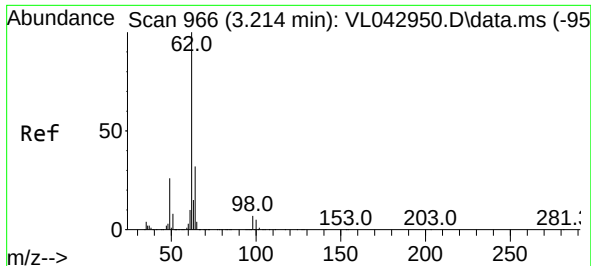
Tgt Ion:117 Resp: 299002
Ion Ratio Lower Upper
117 100
119 97.8 76.9 115.3
121 30.6 23.7 35.5



#36
Benzene
Concen: 9.565 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 78 Resp: 427346
Ion Ratio Lower Upper
78 100
77 23.0 17.8 26.6
50 18.8 15.0 22.4





#37

1,2-Dichloroethane

Concen: 9.935 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

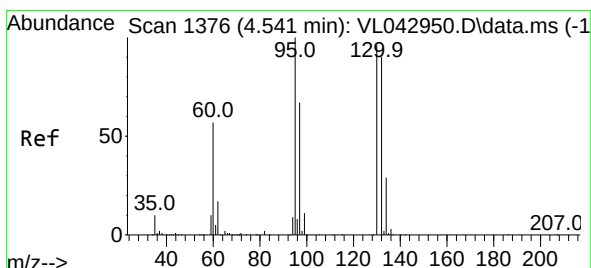
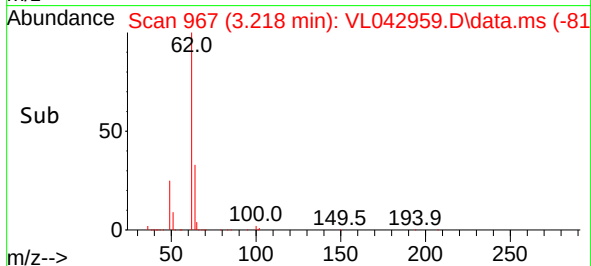
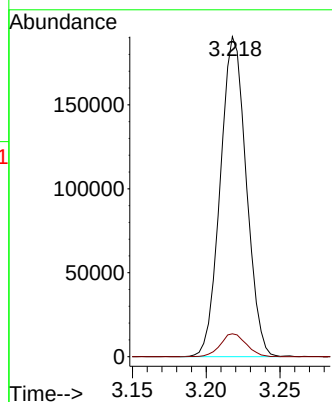
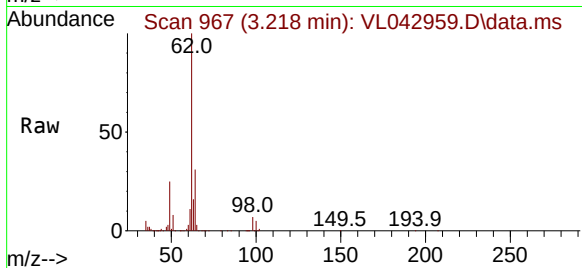
VL0922ABS01

Tgt Ion: 62 Resp: 233446

Ion Ratio Lower Upper

62 100

98 7.1 5.9 8.9



#38

Trichloroethene

Concen: 9.189 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Tgt Ion:130 Resp: 204031

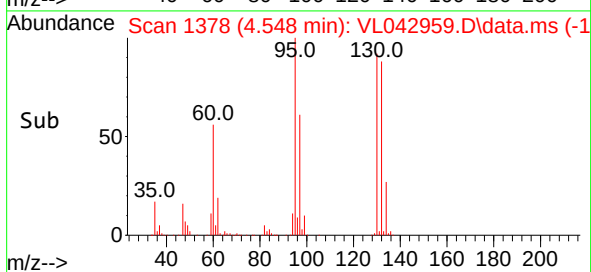
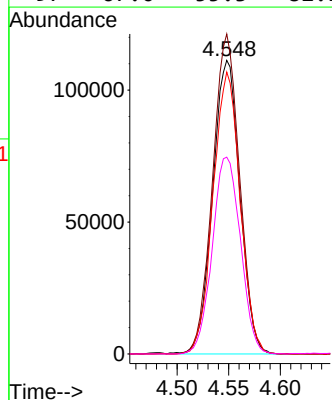
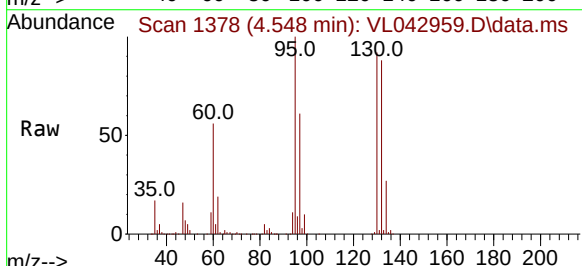
Ion Ratio Lower Upper

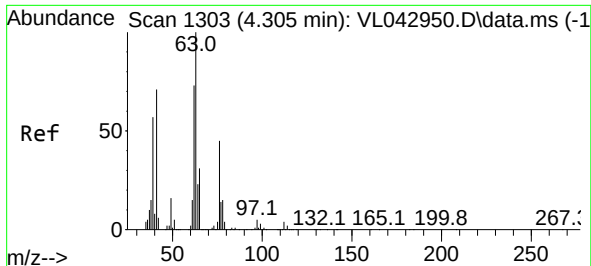
130 100

95 109.0 83.0 124.4

132 96.0 74.6 112.0

97 67.0 55.3 82.9





#39

1,2-Dichloropropane

Concen: 9.673 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

VL0922ABS01

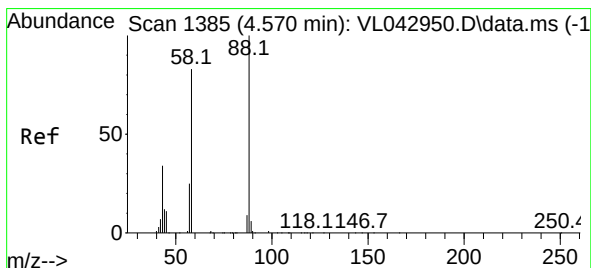
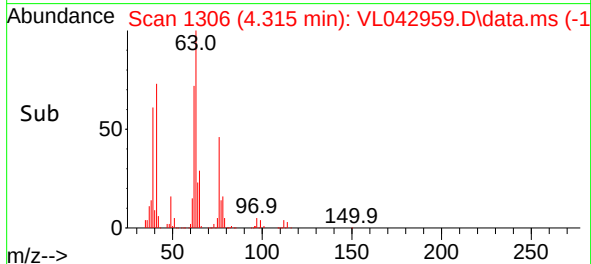
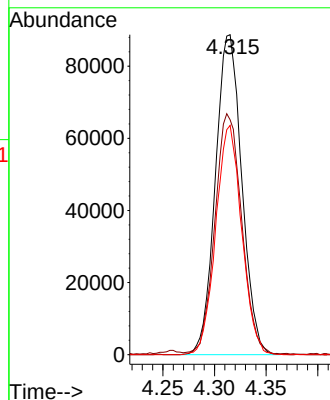
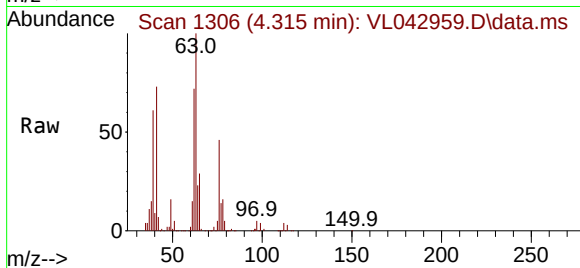
Tgt Ion: 63 Resp: 157775

Ion Ratio Lower Upper

63 100

41 73.1 57.5 86.3

62 71.6 58.5 87.7



#40

1,4-Dioxane

Concen: 9.339 ppbv

RT: 4.584 min Scan# 1389

Delta R.T. 0.013 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Tgt Ion: 88 Resp: 70833

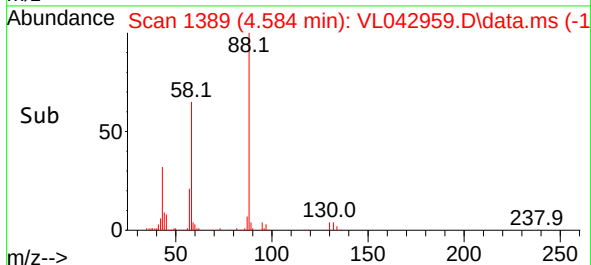
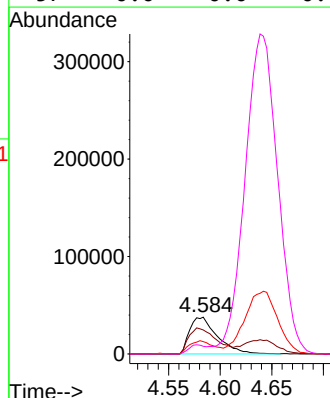
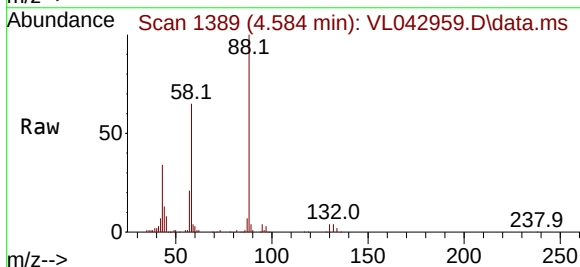
Ion Ratio Lower Upper

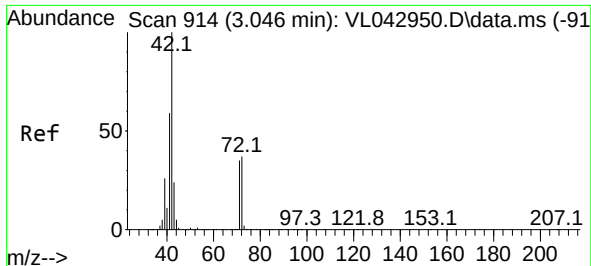
88 100

58 70.8 59.7 89.5

43 33.0 28.9 43.3

57 0.0 0.0 0.0

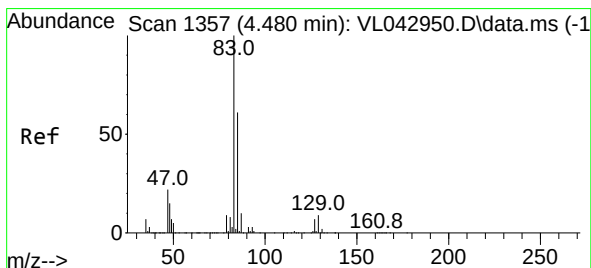
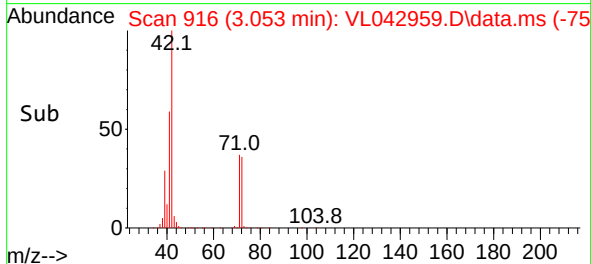
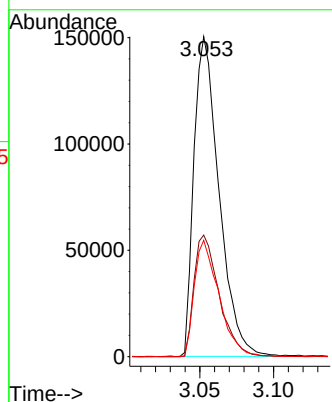
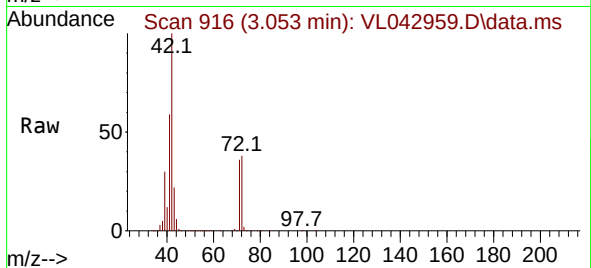




#41
Tetrahydrofuran
Concen: 9.281 ppbv
RT: 3.053 min Scan# 914
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

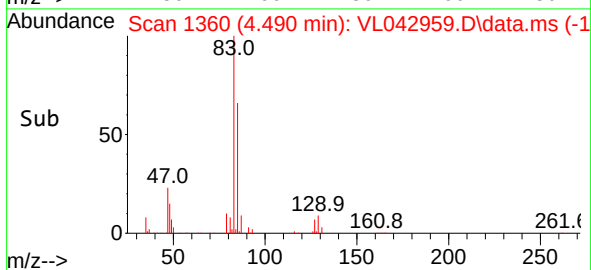
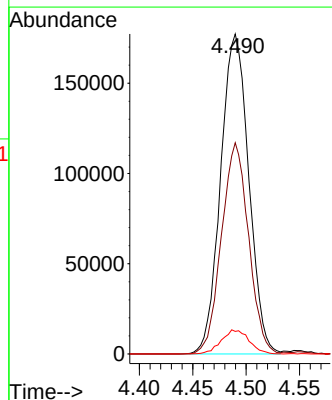
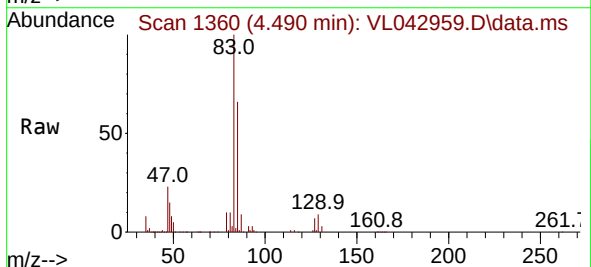
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

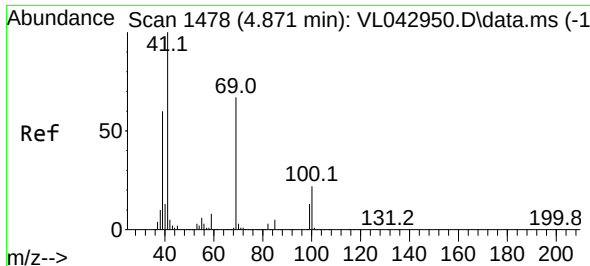
Tgt Ion: 42 Resp: 177879
Ion Ratio Lower Upper
42 100
72 38.3 30.0 45.0
71 35.9 28.8 43.2



#42
Bromodichloromethane
Concen: 9.924 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.010 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 83 Resp: 324757
Ion Ratio Lower Upper
83 100
85 66.0 49.0 73.6
127 7.0 5.3 7.9

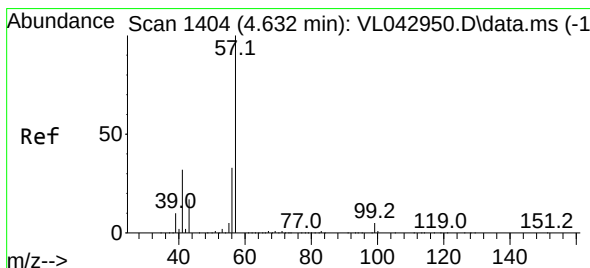
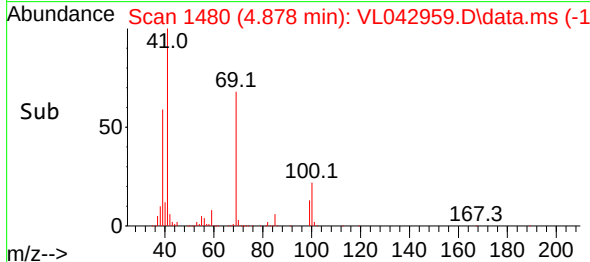
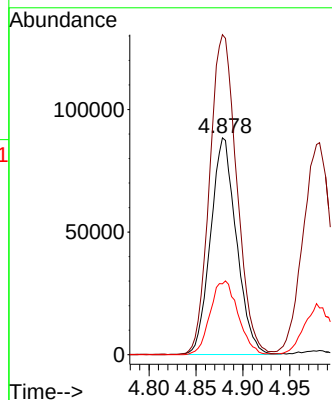
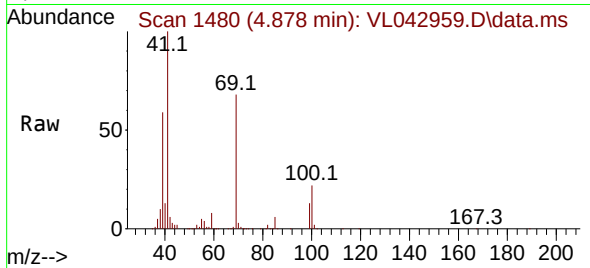




#43
Methyl Methacrylate
Concen: 9.250 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

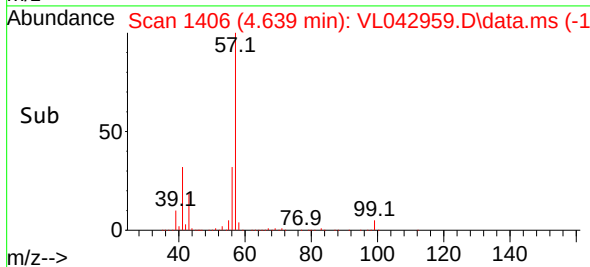
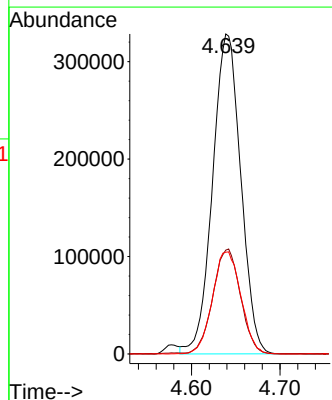
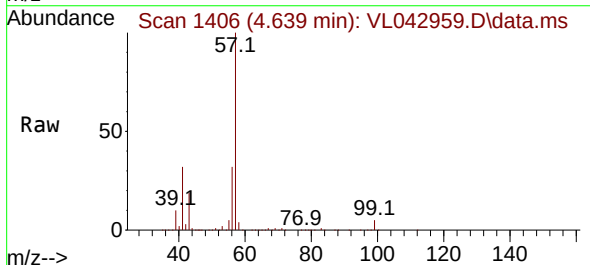
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

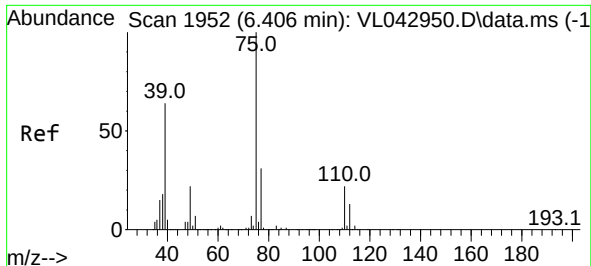
Tgt Ion: 69 Resp: 169093
Ion Ratio Lower Upper
69 100
41 154.7 124.5 186.7
100 36.8 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 9.407 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 57 Resp: 725943
Ion Ratio Lower Upper
57 100
41 32.3 25.5 38.3
56 32.3 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 9.538 ppbv

RT: 6.412 min Scan# 1952

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

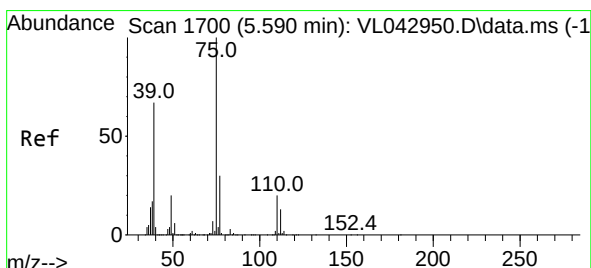
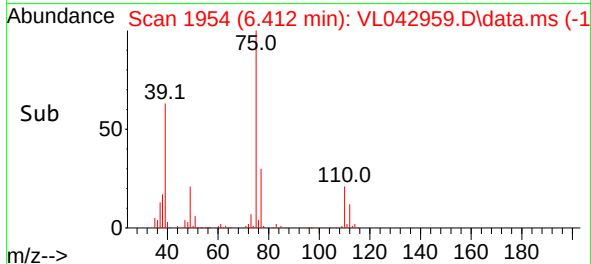
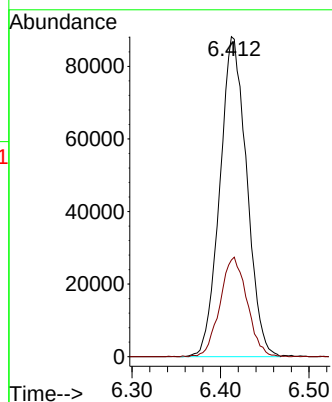
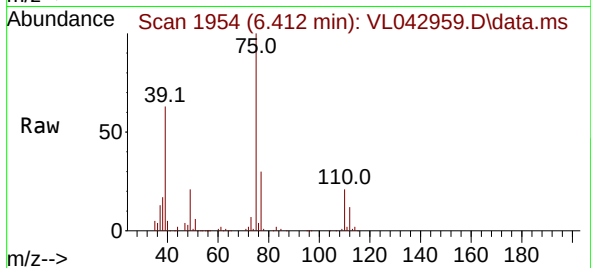
VL0922ABS01

Tgt Ion: 75 Resp: 185943

Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 9.667 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.013 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

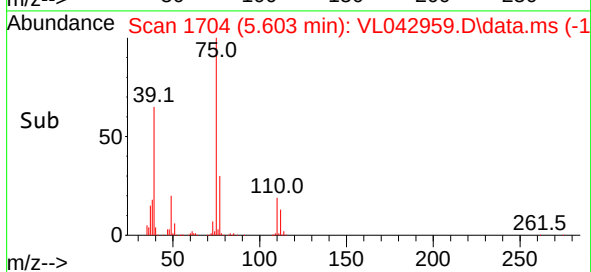
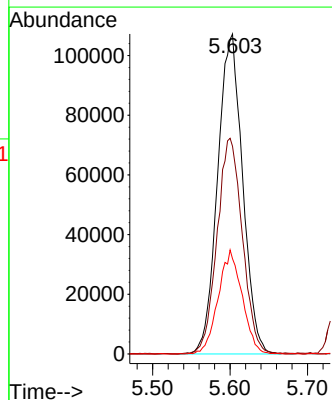
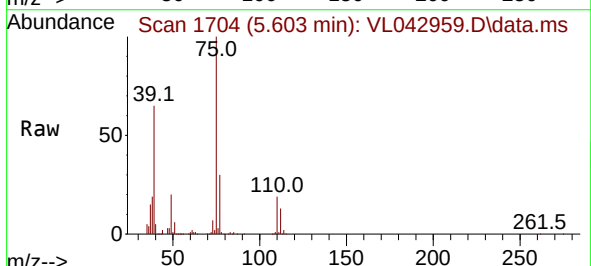
Tgt Ion: 75 Resp: 240185

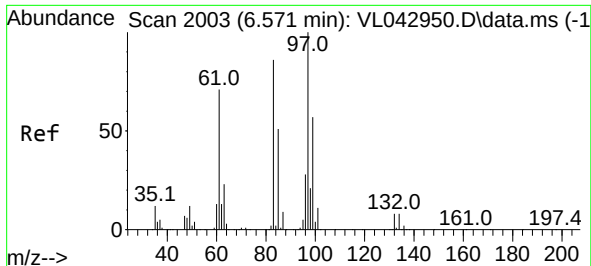
Ion Ratio Lower Upper

75 100

39 64.8 53.8 80.6

77 29.7 23.6 35.4



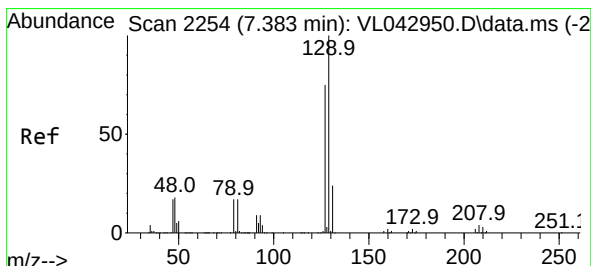
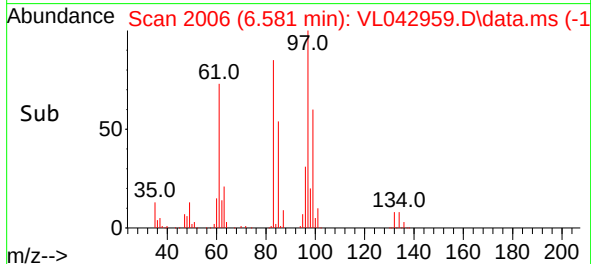
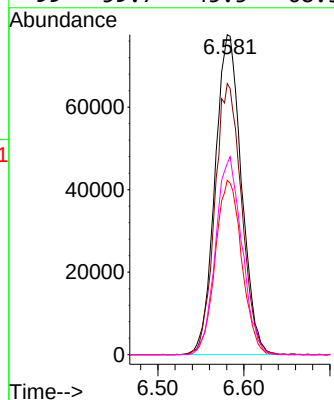
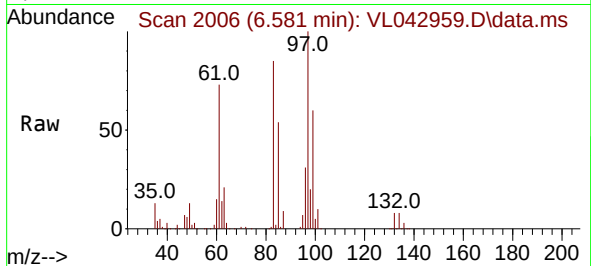


#47
1,1,2-Trichloroethane
Concen: 9.580 ppbv
RT: 6.581 min Scan# 2006
Delta R.T. 0.010 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

Tgt Ion: 97 Resp: 165106

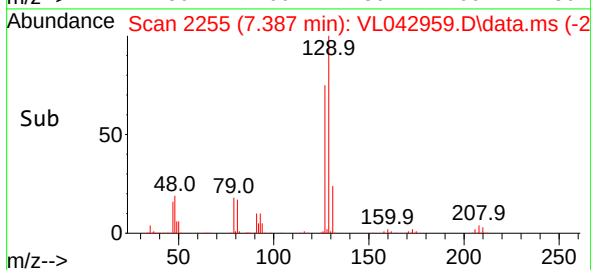
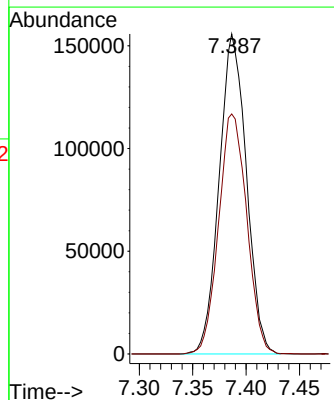
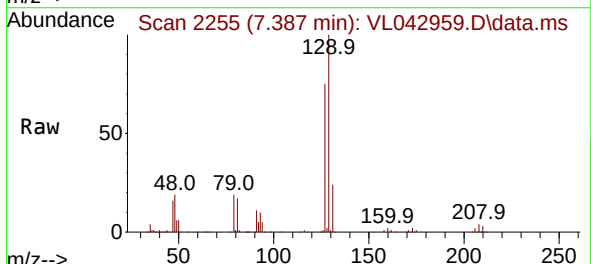
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.7	103.1
85	54.5	40.6	60.8
99	59.7	45.5	68.3

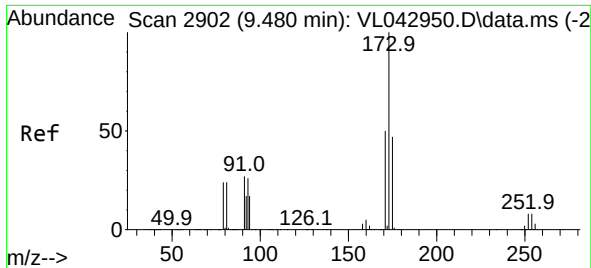


#48
Dibromochloromethane
Concen: 10.002 ppbv
RT: 7.387 min Scan# 2255
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 129 Resp: 275781

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





#49

Bromoform

Concen: 9.800 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

VL0922ABS01

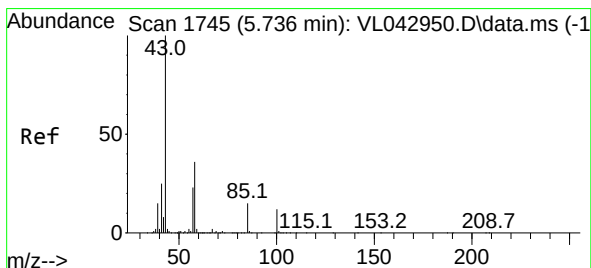
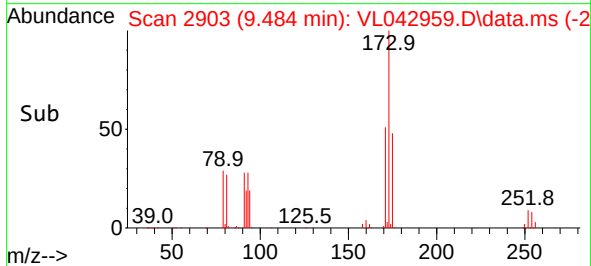
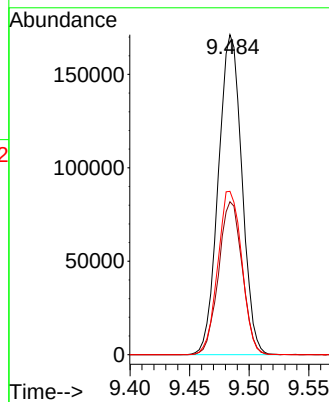
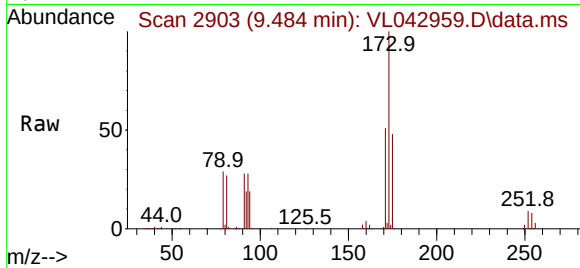
Tgt Ion:173 Resp: 235060

Ion Ratio Lower Upper

173 100

175 48.0 37.9 56.9

171 52.1 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 9.645 ppbv

RT: 5.749 min Scan# 1749

Delta R.T. 0.013 min

Lab File: VL042959.D

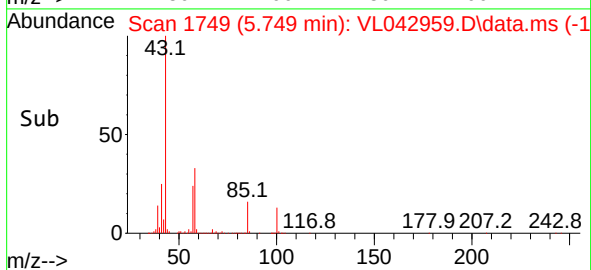
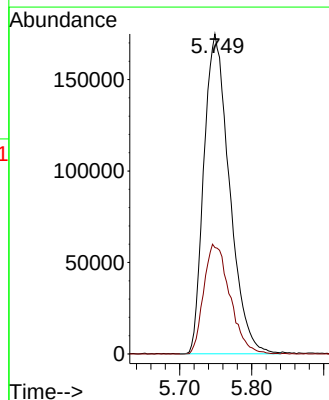
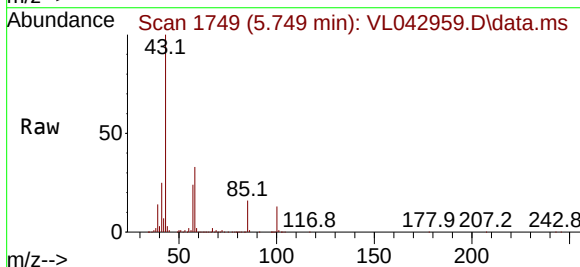
Acq: 22 Sep 2025 15:52

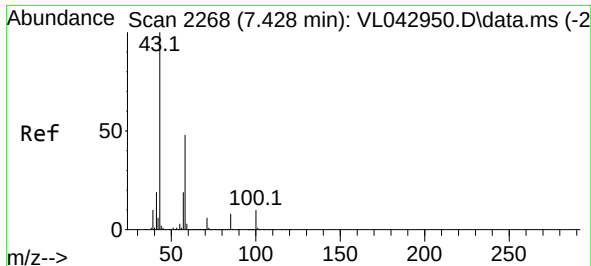
Tgt Ion: 43 Resp: 431031

Ion Ratio Lower Upper

43 100

58 35.1 28.4 42.6

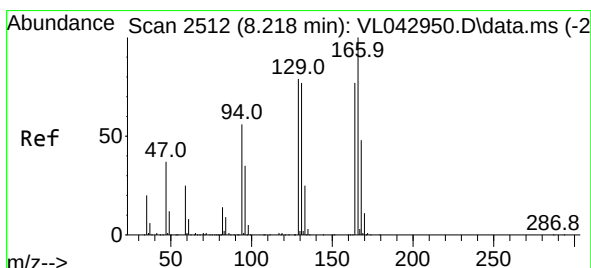
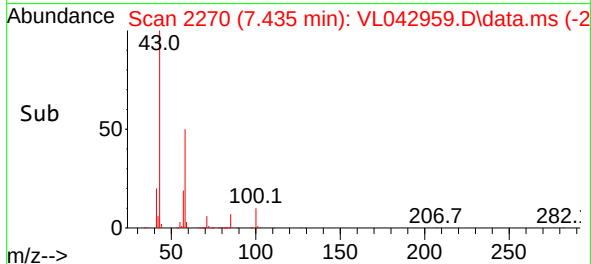
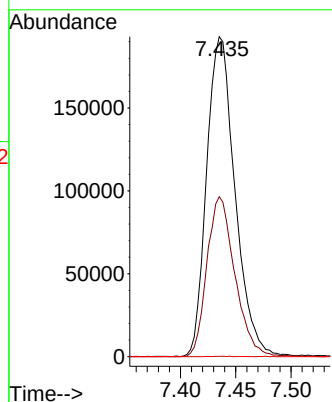
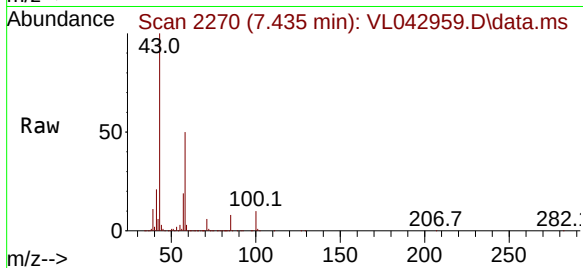




#51
2-Hexanone
Concen: 9.641 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

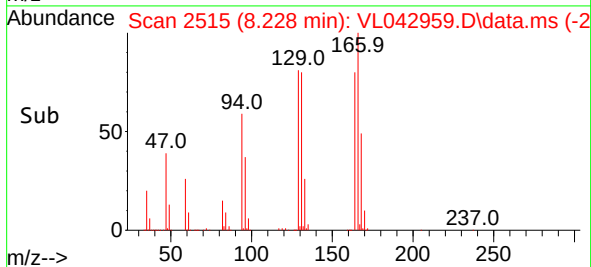
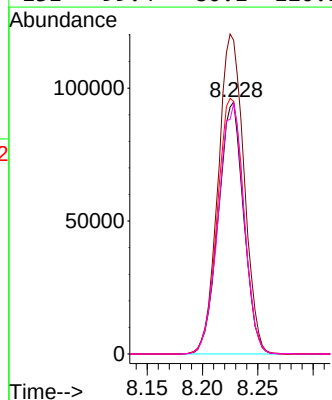
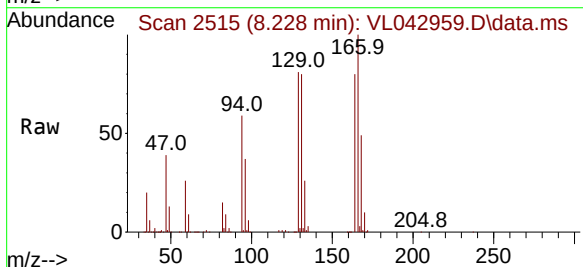
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

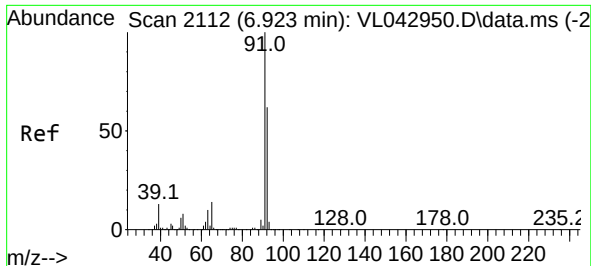
Tgt Ion: 43 Resp: 343461
Ion Ratio Lower Upper
43 100
58 49.4 39.7 59.5
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.705 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 164 Resp: 150483
Ion Ratio Lower Upper
164 100
166 124.5 103.5 155.3
129 100.2 82.2 123.4
131 99.4 80.1 120.1

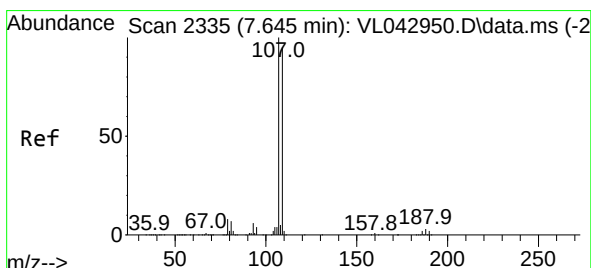
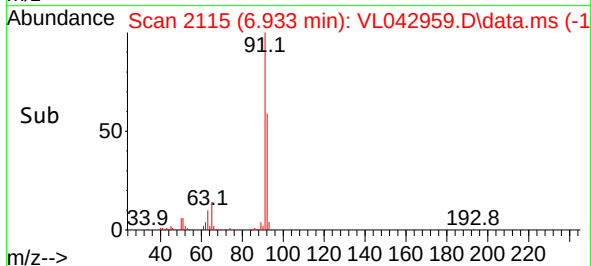
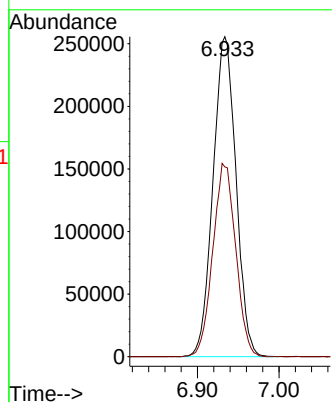
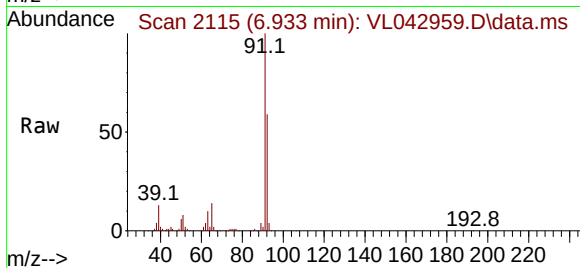




#53
Toluene
Concen: 9.484 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

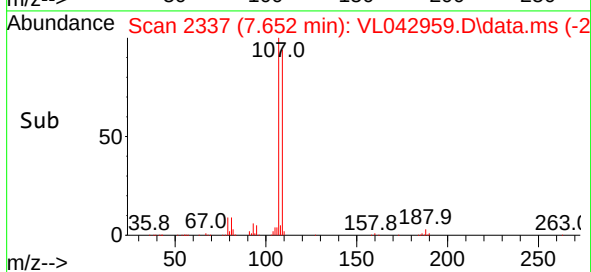
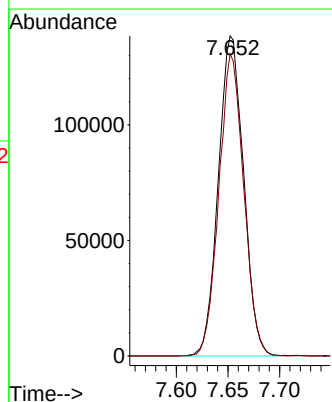
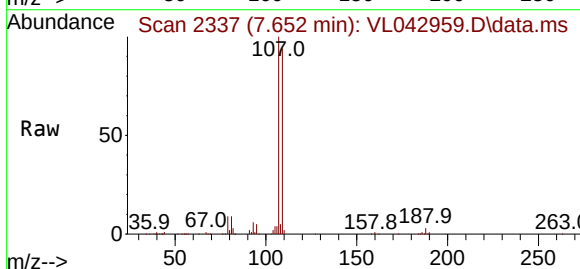
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

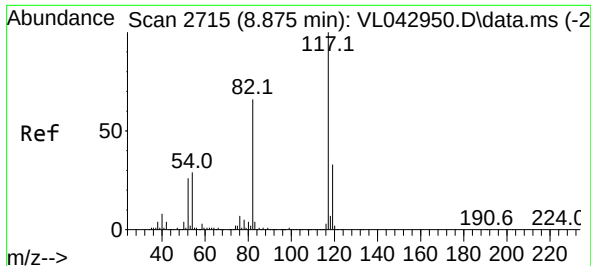
Tgt Ion: 91 Resp: 501548
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.2



#54
1,2-Dibromoethane
Concen: 9.704 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 107 Resp: 235389
Ion Ratio Lower Upper
107 100
109 94.4 75.8 113.8

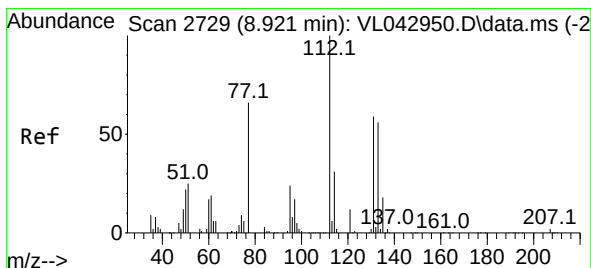
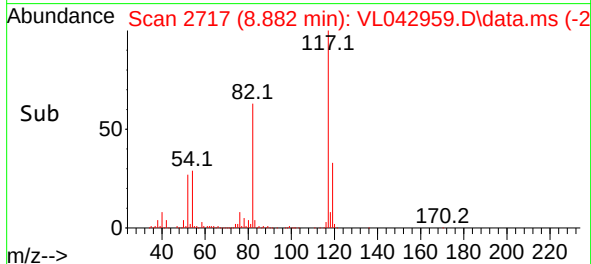
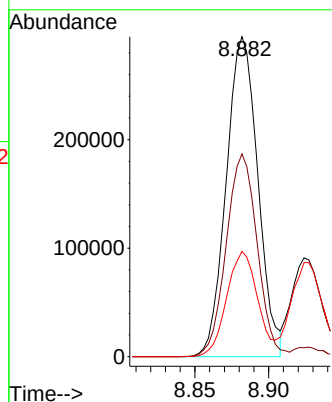
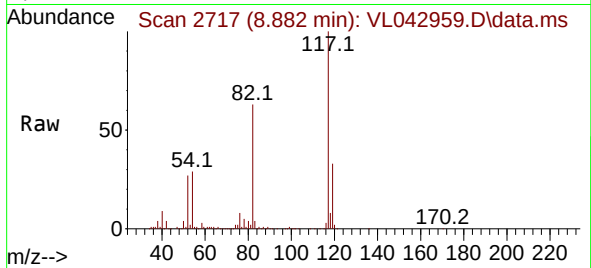




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2170
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

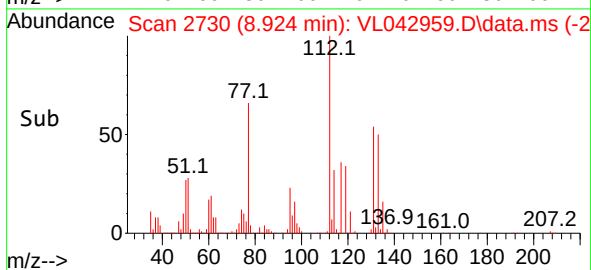
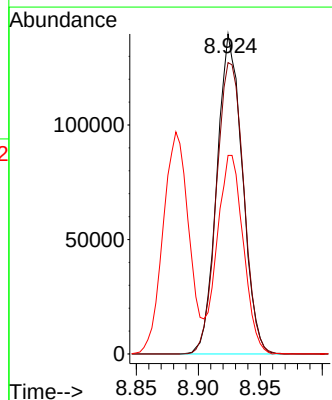
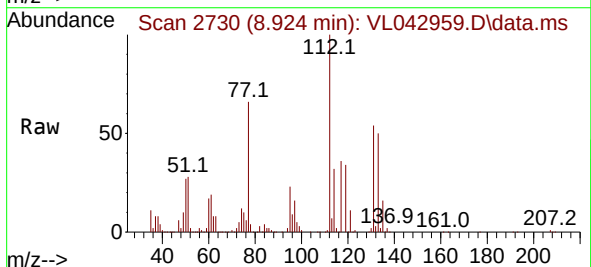
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

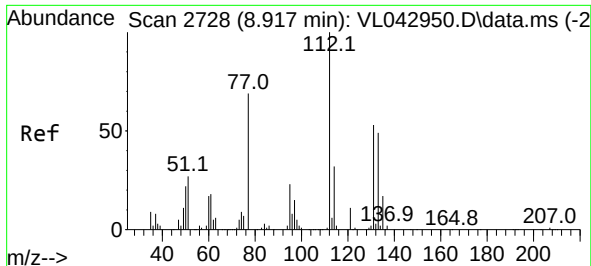
Tgt Ion:117 Resp: 440323
Ion Ratio Lower Upper
117 100
82 64.7 52.8 79.2
119 32.3 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 9.516 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion:131 Resp: 200560
Ion Ratio Lower Upper
131 100
133 97.0 76.6 114.8
119 64.8 49.9 74.9

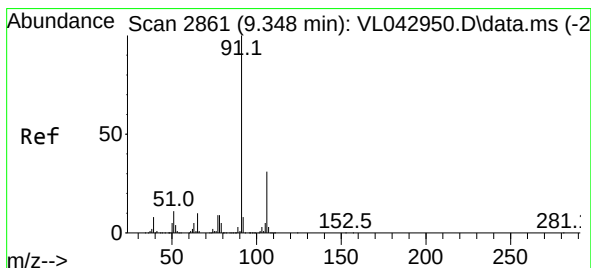
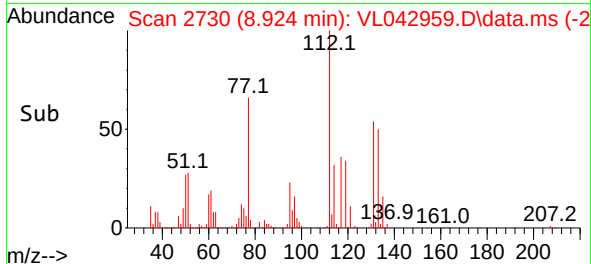
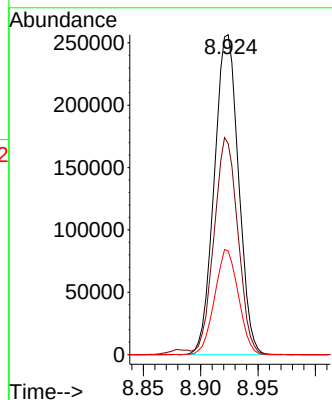
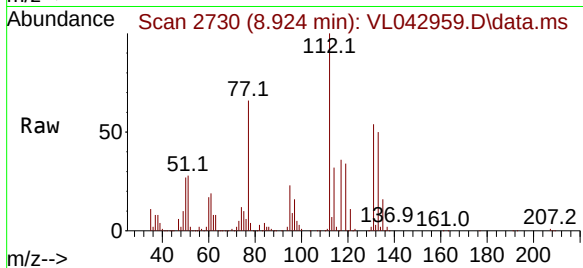




#57
Chlorobenzene
Concen: 9.392 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

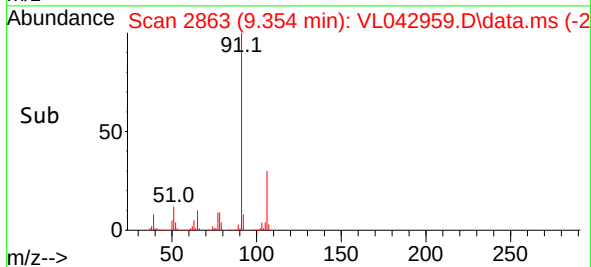
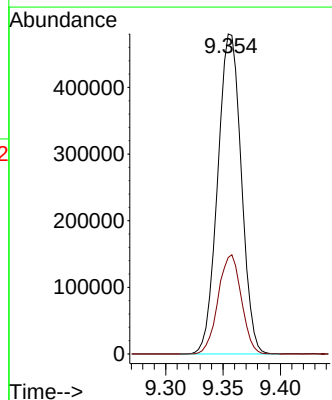
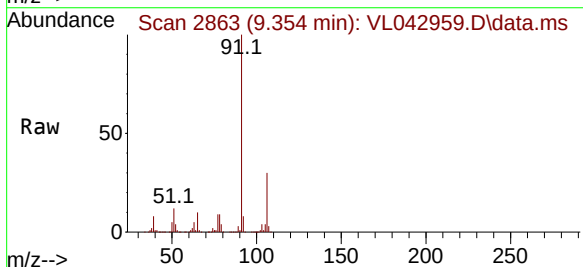
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

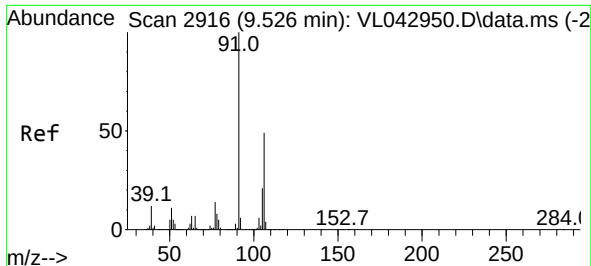
Tgt Ion:112 Resp: 377524
Ion Ratio Lower Upper
112 100
77 65.9 55.7 83.5
114 32.4 28.6 35.0



#58
Ethyl Benzene
Concen: 9.489 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 91 Resp: 686057
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0





#59

m/p-Xylene

Concen: 9.897 ppbv

RT: 9.532 min Scan# 2916

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

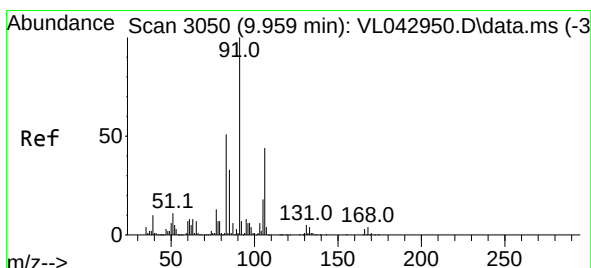
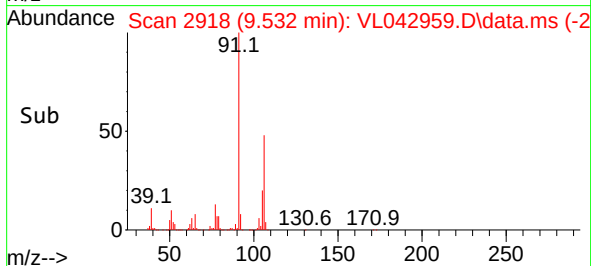
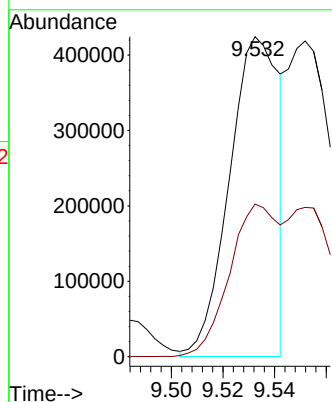
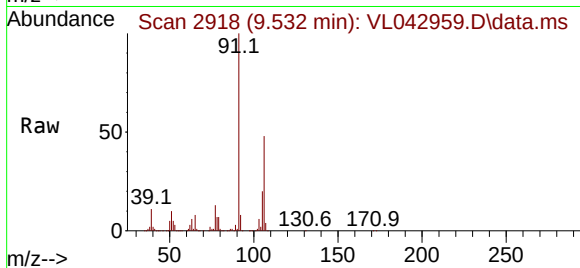
VL0922ABS01

Tgt Ion: 91 Resp: 564158

Ion Ratio Lower Upper

91 100

106 91.3 0.0 0.0#



#60

o-Xylene

Concen: 9.426 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.007 min

Lab File: VL042959.D

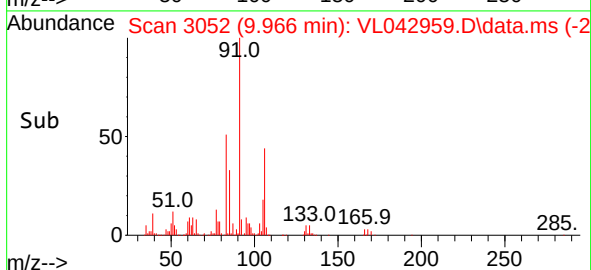
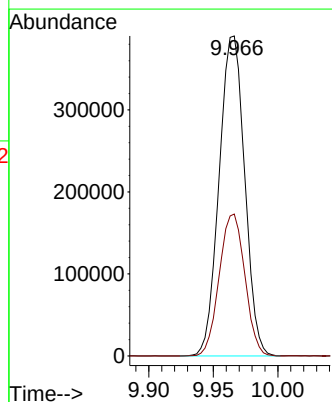
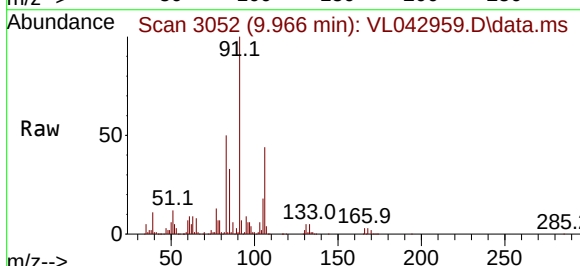
Acq: 22 Sep 2025 15:52

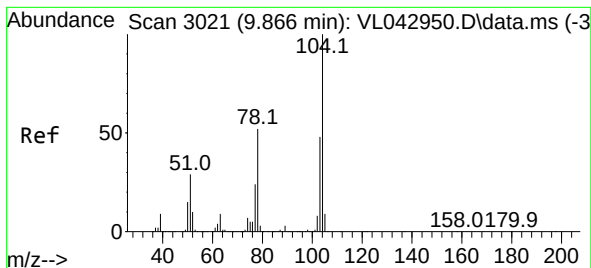
Tgt Ion: 91 Resp: 537008

Ion Ratio Lower Upper

91 100

106 44.4 22.4 67.0





#61

Styrene

Concen: 9.602 ppbv

RT: 9.872 min Scan# 3021

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

VL0922ABS01

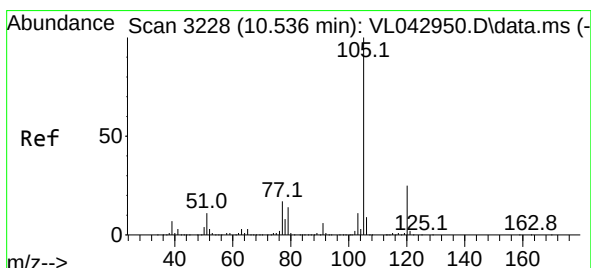
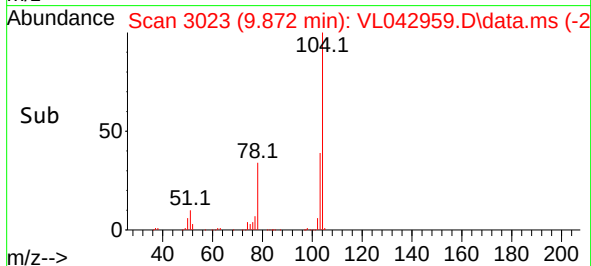
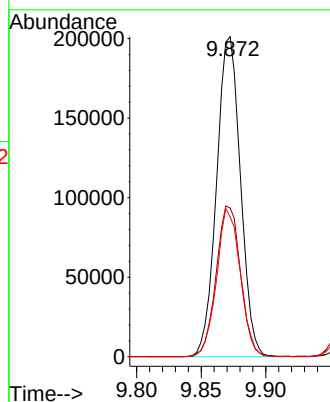
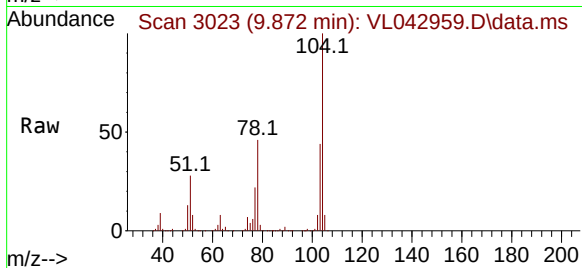
Tgt Ion:104 Resp: 258756

Ion Ratio Lower Upper

104 100

78 48.0 39.9 59.9

103 46.0 36.9 55.3



#62

Isopropylbenzene

Concen: 9.274 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.003 min

Lab File: VL042959.D

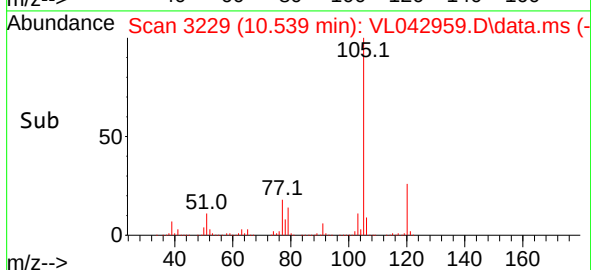
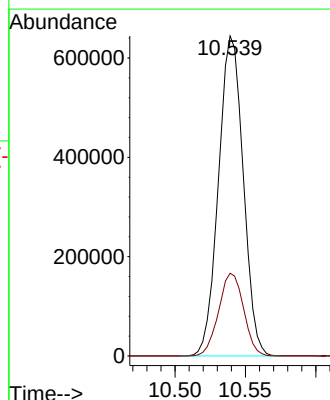
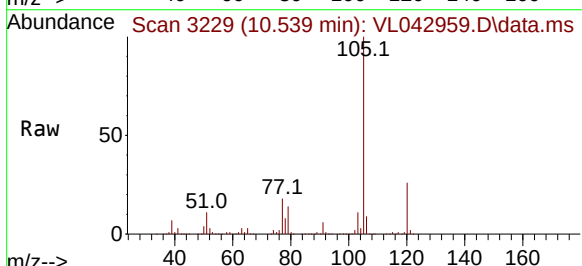
Acq: 22 Sep 2025 15:52

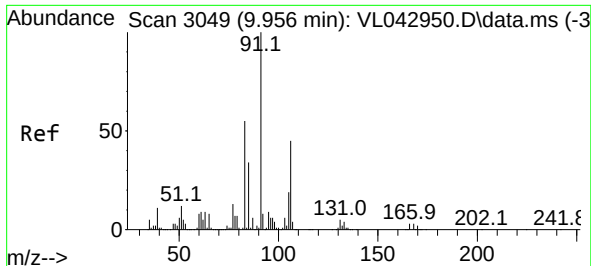
Tgt Ion:105 Resp: 787602

Ion Ratio Lower Upper

105 100

120 26.1 20.6 30.8

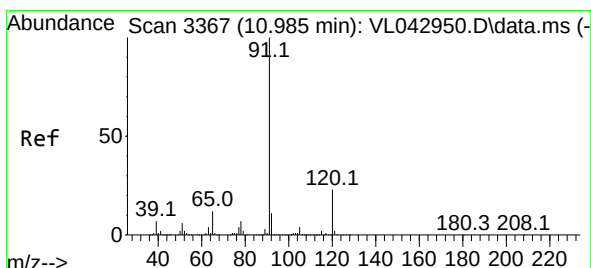
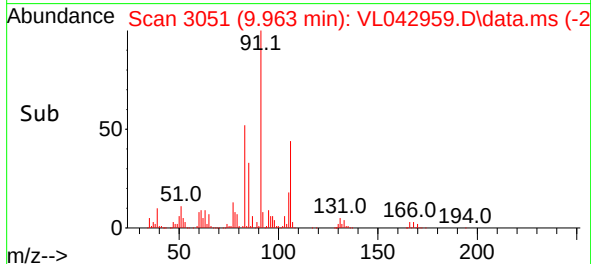
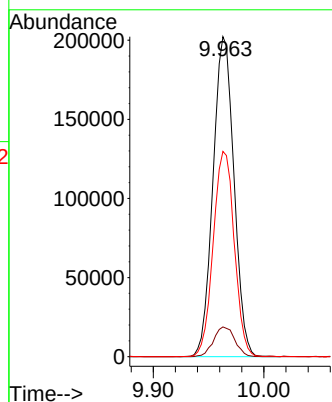
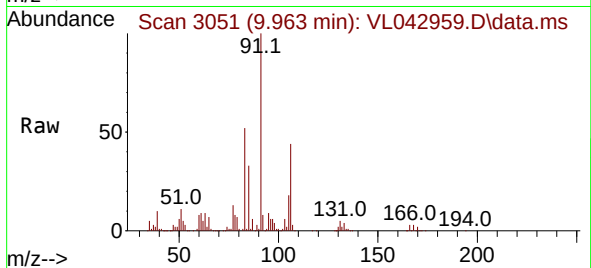




#63
1,1,2,2-Tetrachloroethane
Concen: 8.890 ppbv
RT: 9.963 min Scan# 3049
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

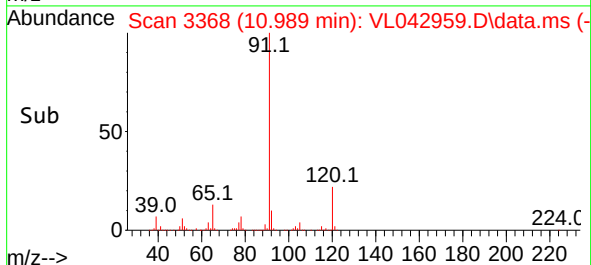
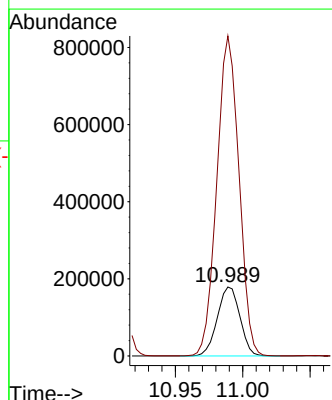
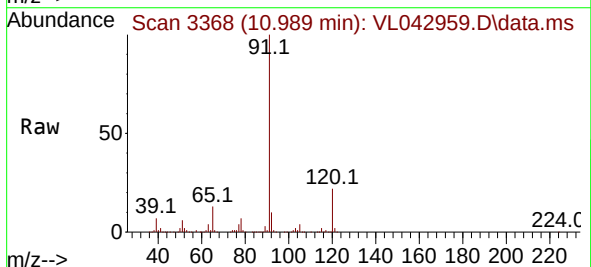
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

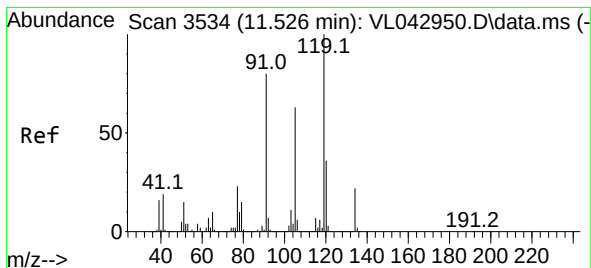
Tgt Ion: 83 Resp: 266223
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.5 32.2 96.6



#64
n-propylbenzene
Concen: 9.389 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 120 Resp: 208358
Ion Ratio Lower Upper
120 100
91 454.9 364.9 547.3

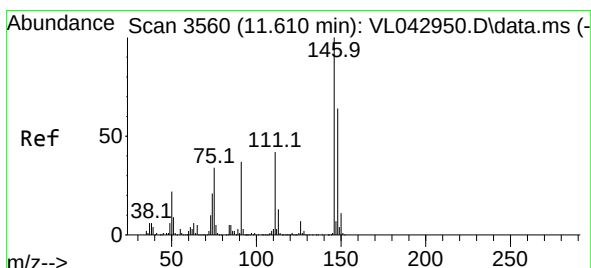
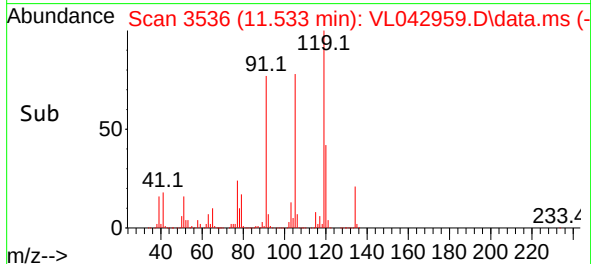
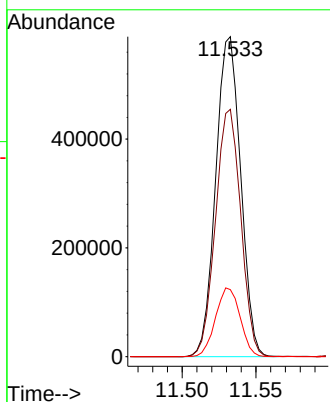
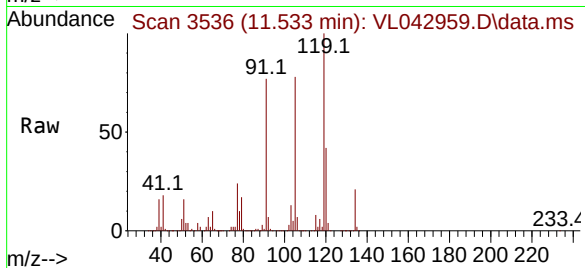




#65
tert-Butylbenzene
Concen: 9.188 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

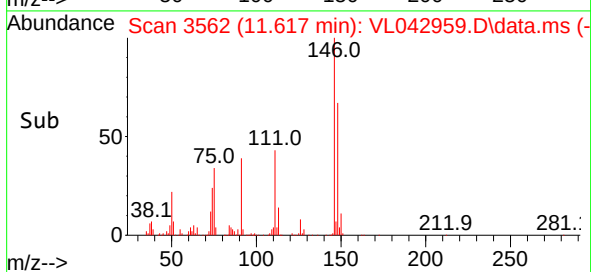
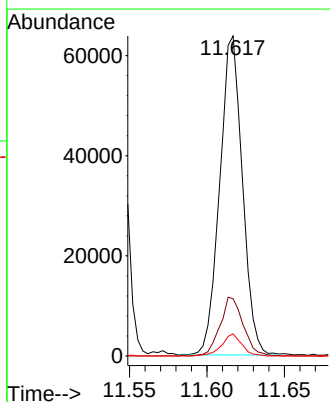
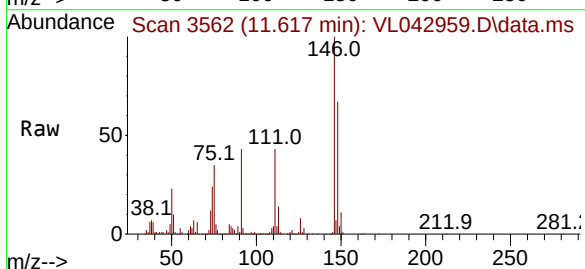
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

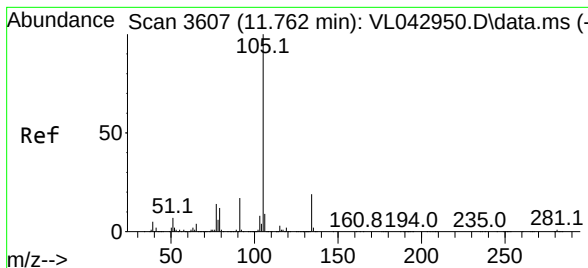
Tgt Ion:119 Resp: 694033
Ion Ratio Lower Upper
119 100
91 78.2 63.1 94.7
134 21.2 17.0 25.6



#66
Benzyl Chloride
Concen: 8.196 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 91 Resp: 64955
Ion Ratio Lower Upper
91 100
126 18.8 14.6 21.8
128 6.2 5.0 7.4





#67

sec-Butylbenzene

Concen: 9.261 ppbv

RT: 11.769 min Scan# 3179

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

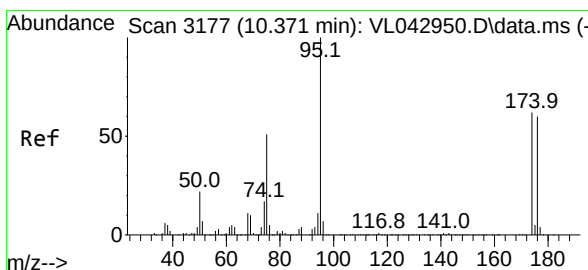
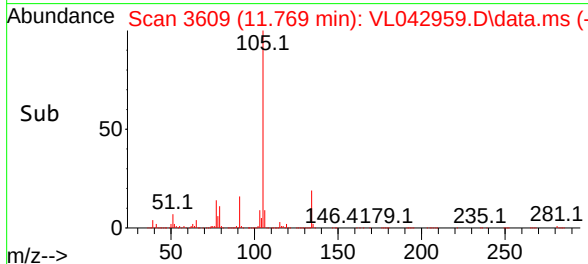
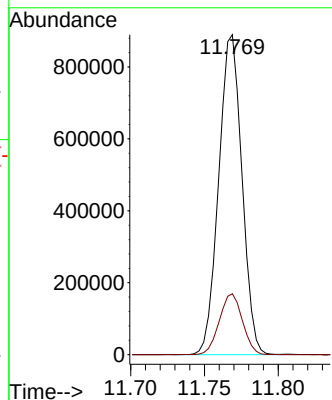
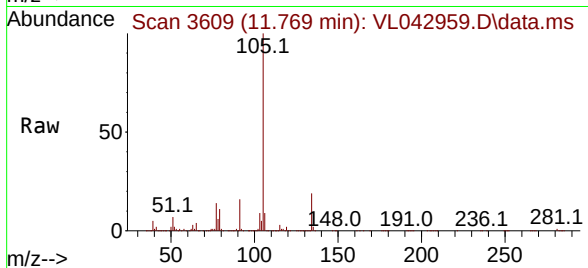
VL0922ABS01

Tgt Ion:105 Resp: 974750

Ion Ratio Lower Upper

105 100

134 19.0 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.025 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

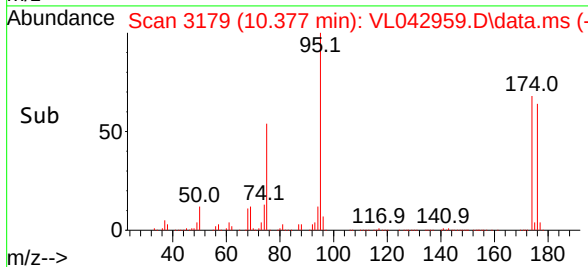
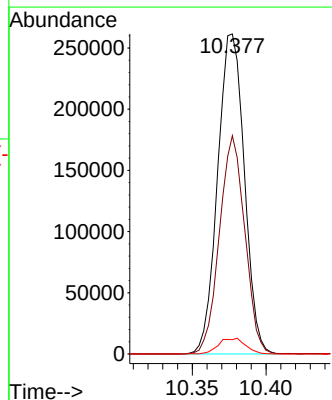
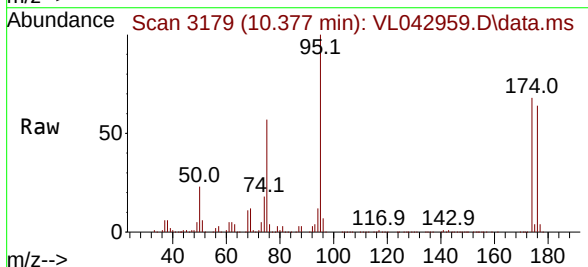
Tgt Ion: 95 Resp: 329520

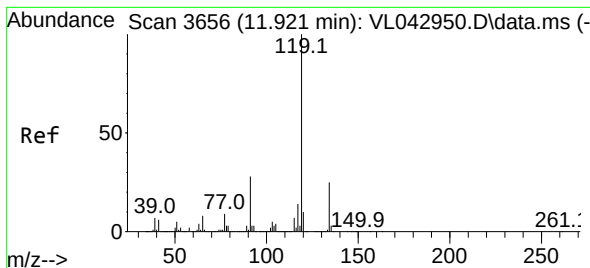
Ion Ratio Lower Upper

95 100

174 64.8 51.4 77.2

175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 9.229 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

VL0922ABS01

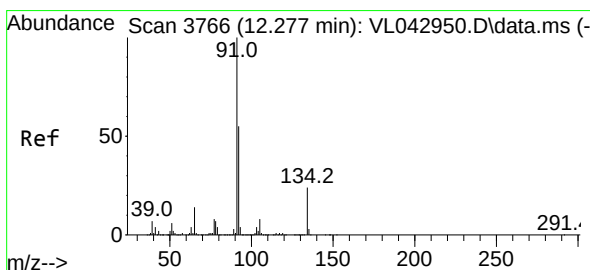
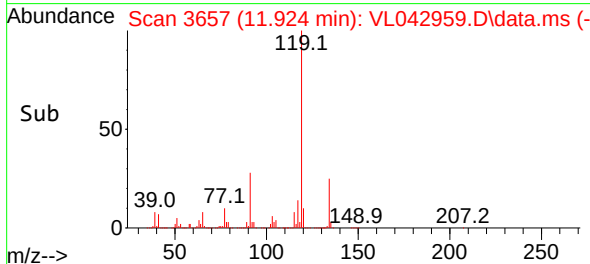
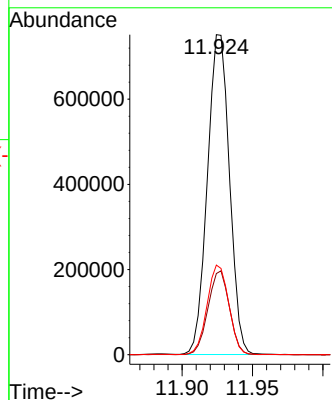
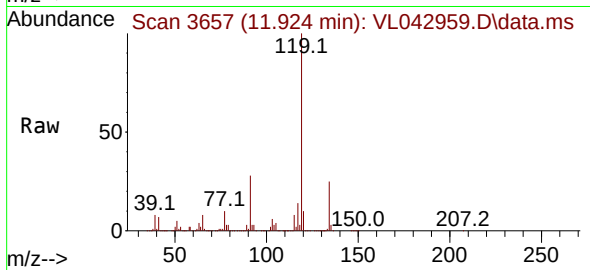
Tgt Ion:119 Resp: 820532

Ion Ratio Lower Upper

119 100

134 25.5 21.0 31.4

91 27.7 22.3 33.5



#70

n-Butylbenzene

Concen: 9.434 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

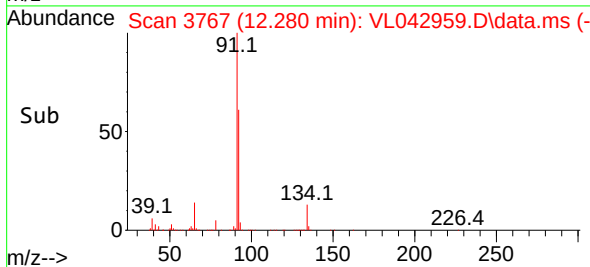
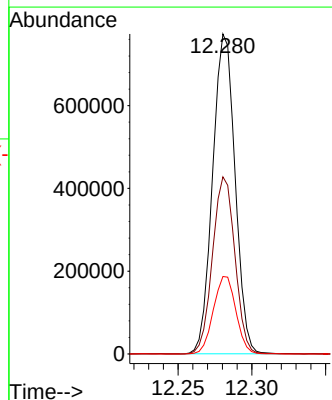
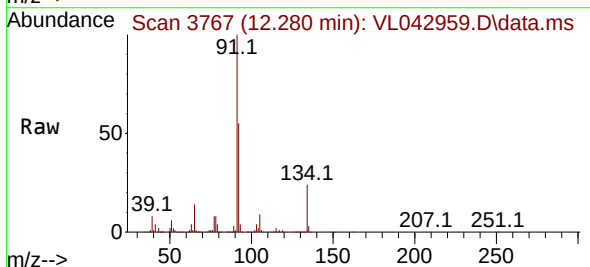
Tgt Ion: 91 Resp: 818866

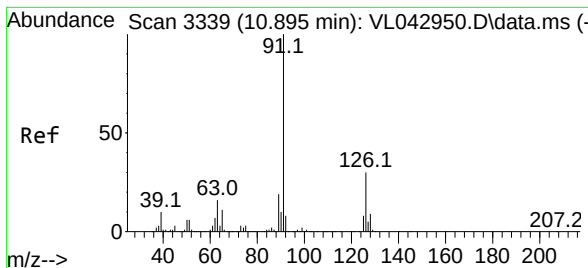
Ion Ratio Lower Upper

91 100

92 55.3 44.0 66.0

134 24.3 19.4 29.2

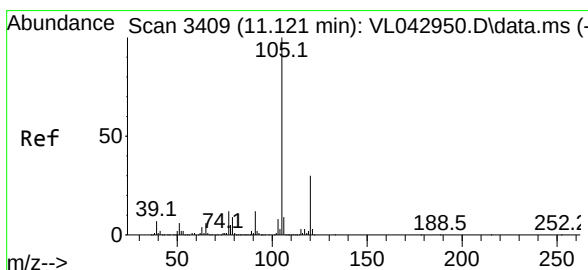
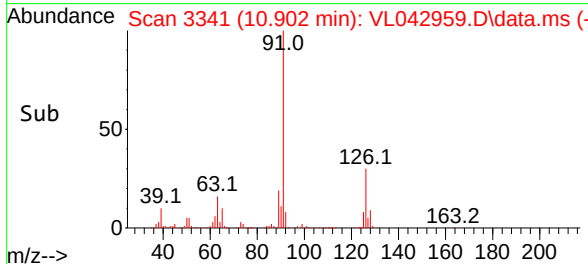
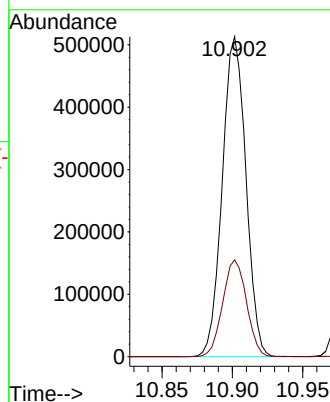
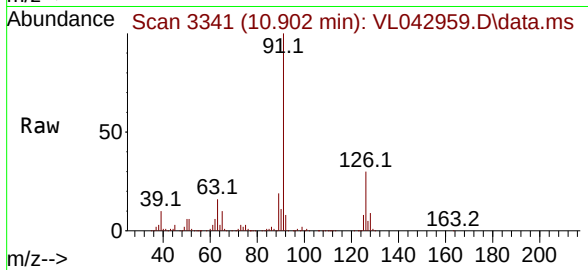




#71
2-Chlorotoluene
Concen: 9.336 ppbv
RT: 10.902 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

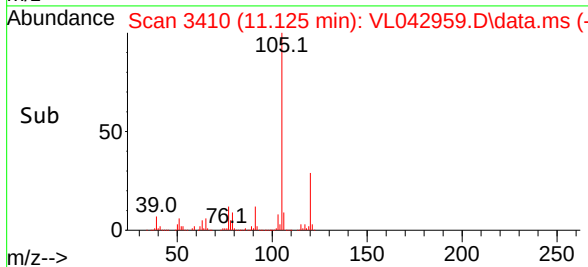
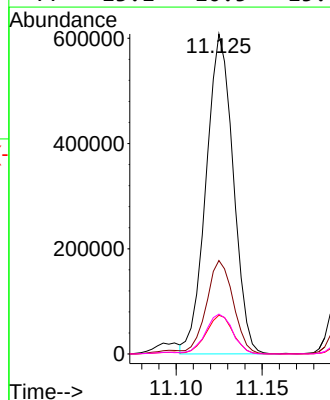
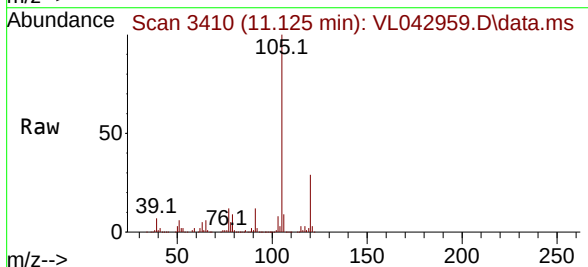
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABS01

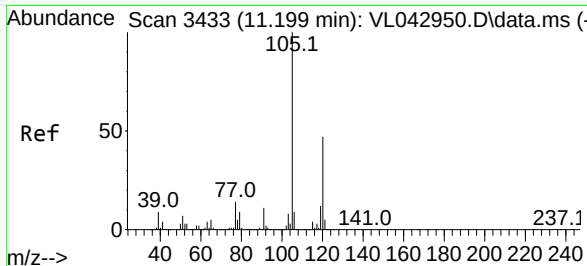
Tgt Ion: 91 Resp: 598619
Ion Ratio Lower Upper
91 100
126 30.6 12.3 49.3



#72
4-Ethyltoluene
Concen: 9.332 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion: 105 Resp: 665916
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.2
91 12.5 10.0 15.0
77 13.1 10.5 15.7

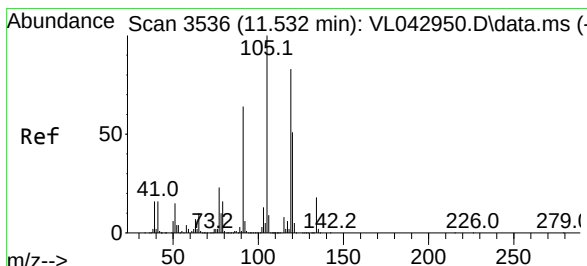
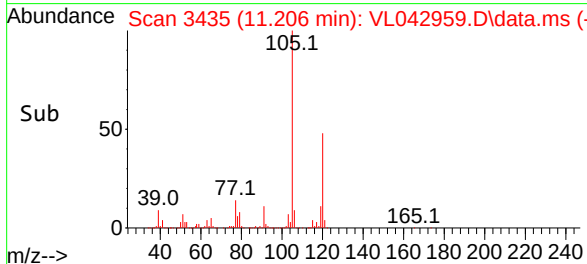
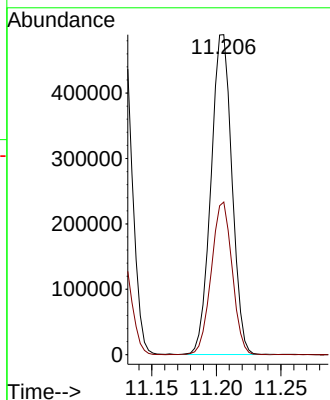
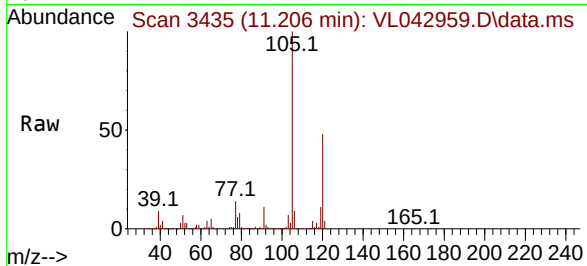




#73
1,3,5-Trimethylbenzene
Concen: 9.539 ppbv
RT: 11.206 min Scan# 3433
Delta R.T. 0.007 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

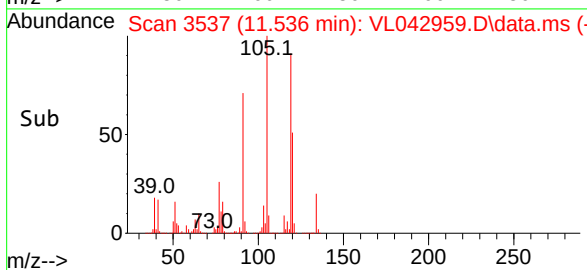
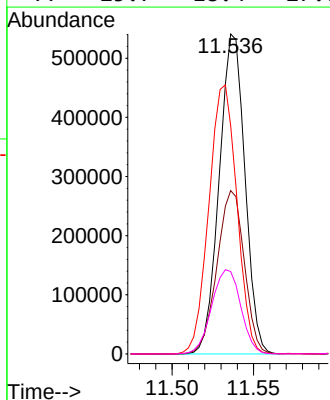
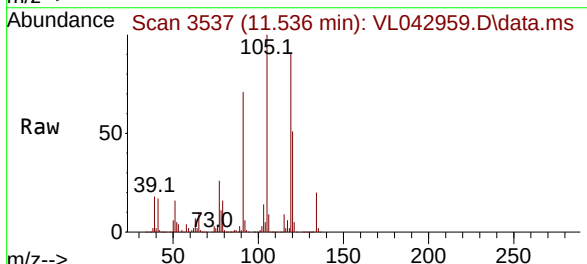
Instrument :
MSVOA_1
ClientSampleId :
VL0922ABS01

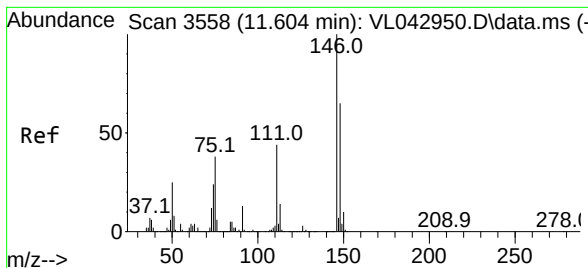
Tgt Ion:105 Resp: 552039
Ion Ratio Lower Upper
105 100
120 47.7 38.0 57.0



#74
1,2,4-Trimethylbenzene
Concen: 9.277 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL042959.D
Acq: 22 Sep 2025 15:52

Tgt Ion:105 Resp: 592889
Ion Ratio Lower Upper
105 100
120 51.0 40.9 61.3
91 71.2 51.2 76.8
77 25.7 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 9.299 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_1

ClientSampleId :

VL0922ABS01

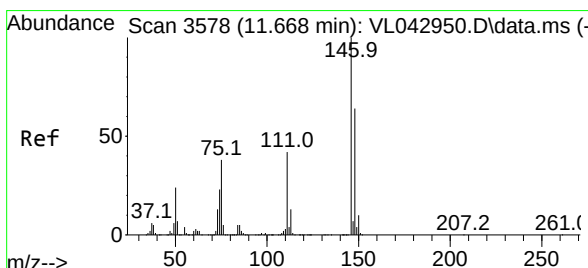
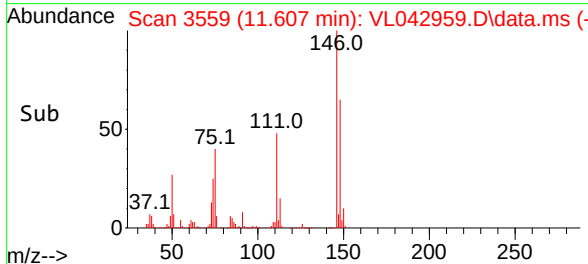
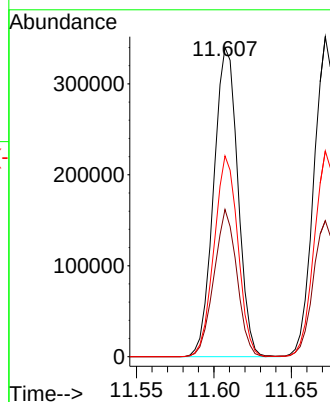
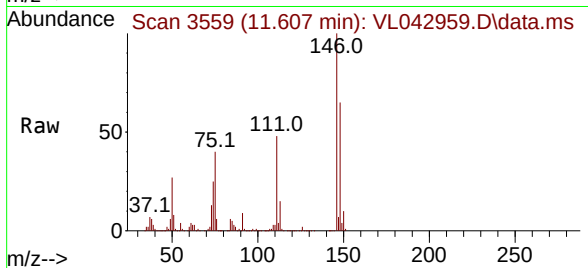
Tgt Ion:146 Resp: 368544

Ion Ratio Lower Upper

146 100

111 45.3 22.3 66.9

148 64.0 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 9.397 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

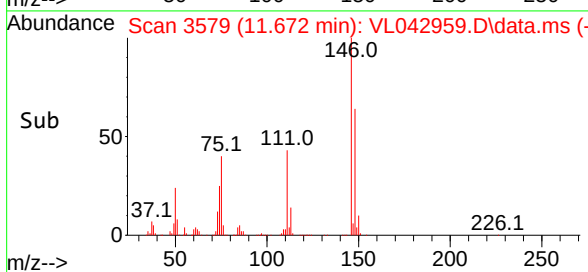
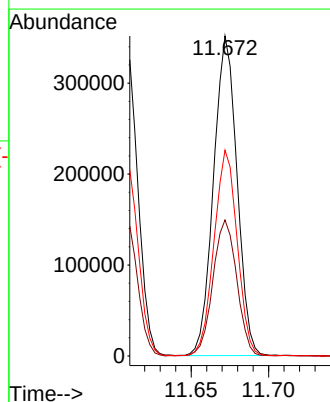
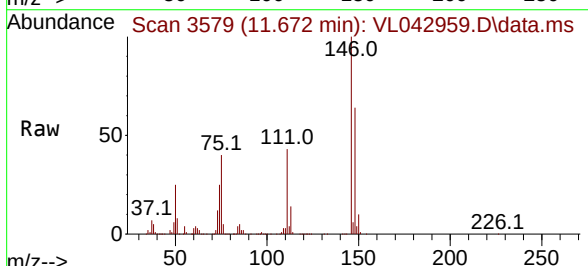
Tgt Ion:146 Resp: 369921

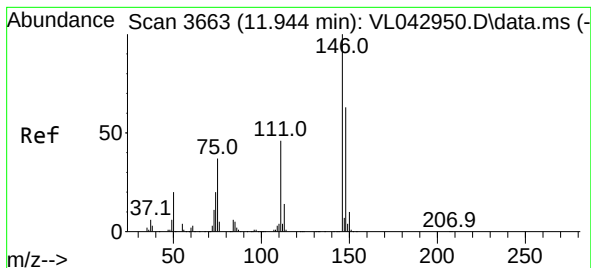
Ion Ratio Lower Upper

146 100

111 43.5 21.5 64.5

148 64.1 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 9.288 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

VL0922ABS01

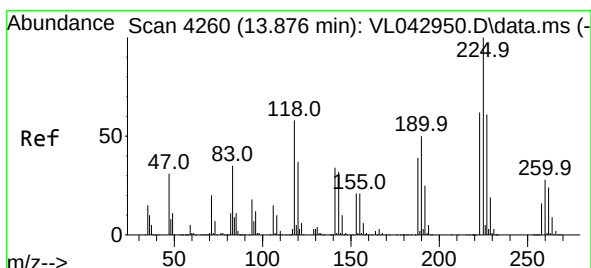
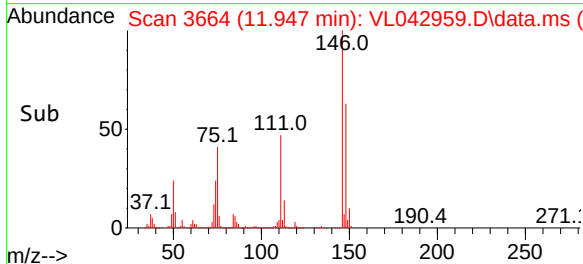
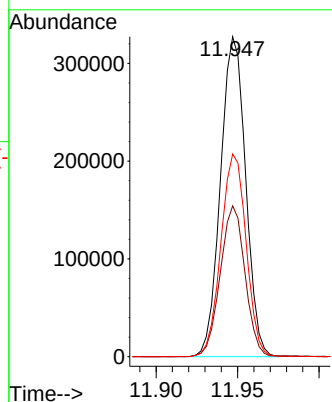
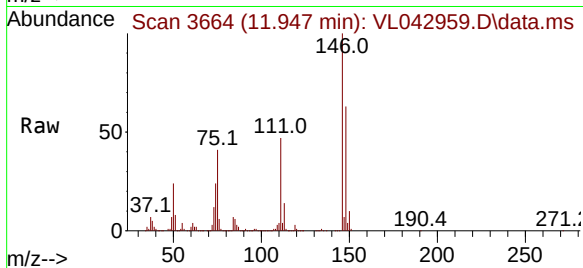
Tgt Ion:146 Resp: 350261

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.3

148 63.8 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.366 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.007 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

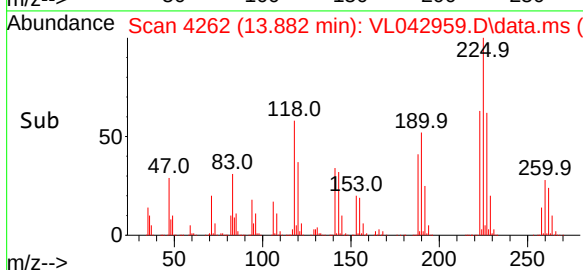
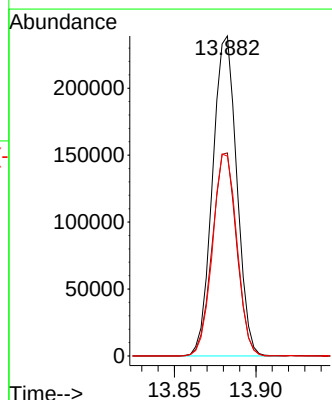
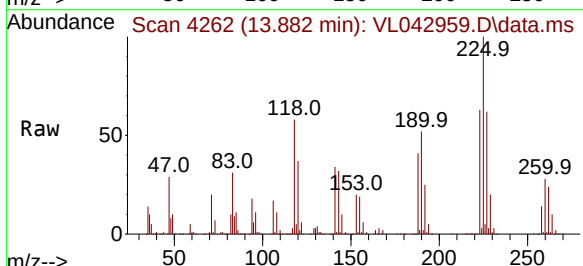
Tgt Ion:225 Resp: 246743

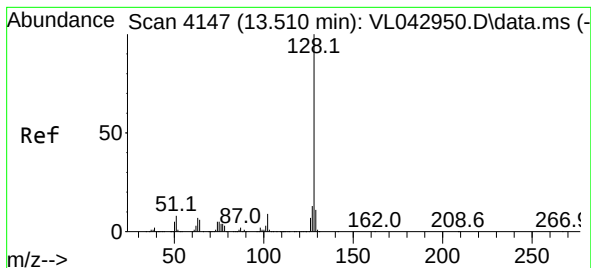
Ion Ratio Lower Upper

225 100

223 63.7 50.1 75.1

227 63.6 50.4 75.6





#79

Naphthalene

Concen: 10.259 ppbv

RT: 13.514 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

VL0922ABS01

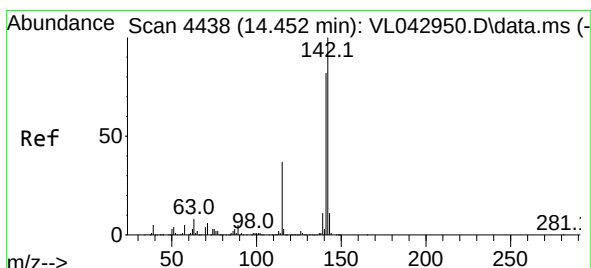
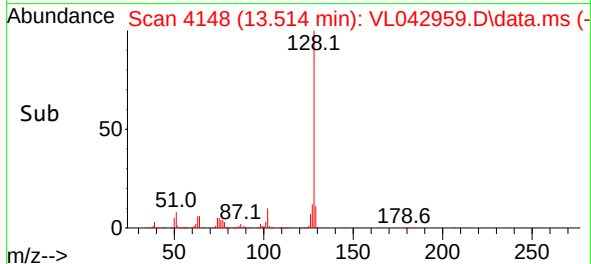
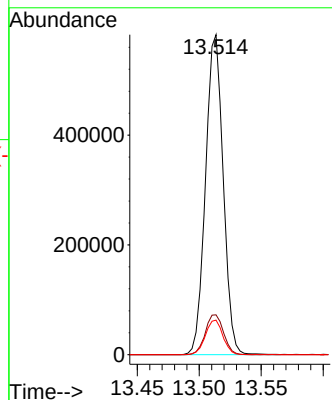
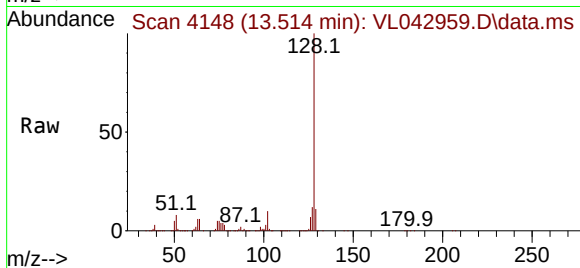
Tgt Ion:128 Resp: 579760

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 10.8 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 9.581 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.003 min

Lab File: VL042959.D

Acq: 22 Sep 2025 15:52

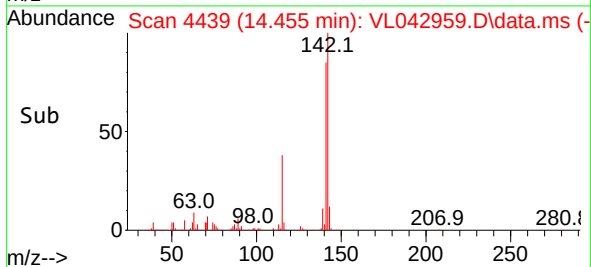
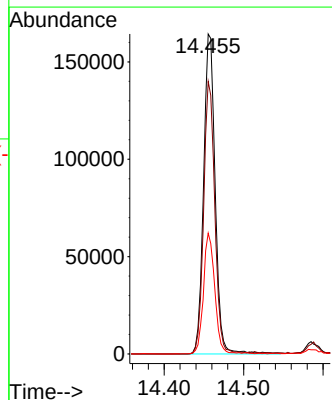
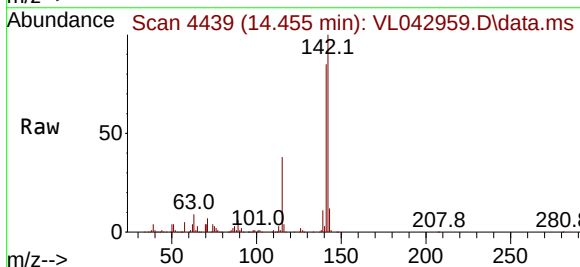
Tgt Ion:142 Resp: 167256

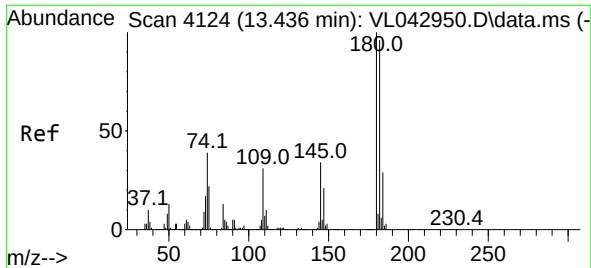
Ion Ratio Lower Upper

142 100

141 82.9 65.1 97.7

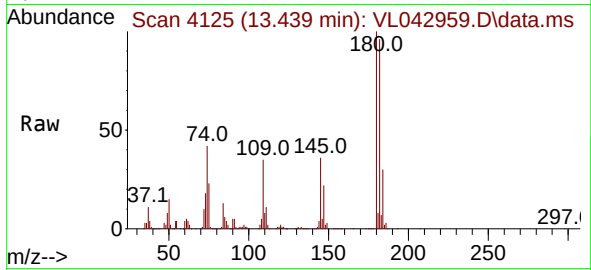
115 37.4 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.958 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042959.D
 Acq: 22 Sep 2025 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABS01



Tgt Ion:180 Resp: 300876

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.7	113.5
184	30.6	23.9	35.9

