

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042985.D
 Acq On : 23 Sep 2025 10:46
 Operator : SY/MD
 Sample : VL0923ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Quant Time: Sep 24 02:05:30 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	141345	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	400881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	355060	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	285118	10.757	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	189707	9.979	ppbv	98
3) Chlorodifluoromethane	1.476	51	229022	9.665	ppbv	96
4) Chloromethane	1.534	50	80187	9.319	ppbv	99
5) Vinyl Chloride	1.580	62	68503	8.806	ppbv	98
6) Bromomethane	1.667	94	24823	9.046	ppbv	97
7) Chloroethane	1.706	64	27737	9.182	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	155561	9.585	ppbv	99
9) Propene	1.482	41	83859	8.135	ppbv	96
10) Heptane	4.981	43	244830	8.900	ppbv	99
11) Trichlorofluoromethane	1.877	101	187304	10.218	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	145246	9.785	ppbv	100
13) Ethanol	1.722	45	6053	6.053	ppbv	93
14) Bromoethene	1.783	108	52420	9.341	ppbv	99
15) Acetone	1.835	43	151197	8.213	ppbv	95
16) 1,3-Butadiene	1.609	39	75511	8.696	ppbv	95
17) tert-Butyl alcohol	2.039	59	167211	8.281	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65099	9.475	ppbv	98
19) Isopropyl Alcohol	1.887	45	91978	8.311	ppbv	95
20) Methylene Chloride	2.062	84	56301	10.276	ppbv	99
21) Allyl Chloride	2.097	41	119358	9.310	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	74438	9.534	ppbv	97
23) Vinyl Acetate	2.463	43	213995	8.137	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	146400	9.562	ppbv	98
25) Ethyl Acetate	2.835	43	424873	9.132	ppbv	99
26) Hexane	2.826	57	189786	8.948	ppbv	98
27) Carbon Disulfide	2.149	76	171644	9.023	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	84694	7.682	ppbv	95
29) Chloroform	2.848	83	283787	10.233	ppbv	99
30) Cyclohexane	3.855	84	158294	8.927	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	189377	9.532	ppbv	98
32) 1,1,1-Trichloroethane	3.369	97	273236	9.122	ppbv	98
34) 2-Butanone	2.557	43	277525	9.878	ppbv	100
35) Carbon Tetrachloride	3.764	117	284218	10.890	ppbv	99
36) Benzene	3.657	78	374729	9.954	ppbv	97
37) 1,2-Dichloroethane	3.217	62	225333	11.381	ppbv	97
38) Trichloroethene	4.548	130	175469	9.379	ppbv	95
39) 1,2-Dichloropropane	4.315	63	137775	10.025	ppbv	94
40) 1,4-Dioxane	4.577	88	56926	8.908	ppbv #	99
41) Tetrahydrofuran	3.052	42	153071	9.479	ppbv	99
42) Bromodichloromethane	4.489	83	301564	10.937	ppbv	98
43) Methyl Methacrylate	4.878	69	143822	9.338	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	644168	9.907	ppbv	97
45) t-1,3-Dichloropropene	6.415	75	146403	8.913	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042985.D
 Acq On : 23 Sep 2025 10:46
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 Sample : VL0923ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

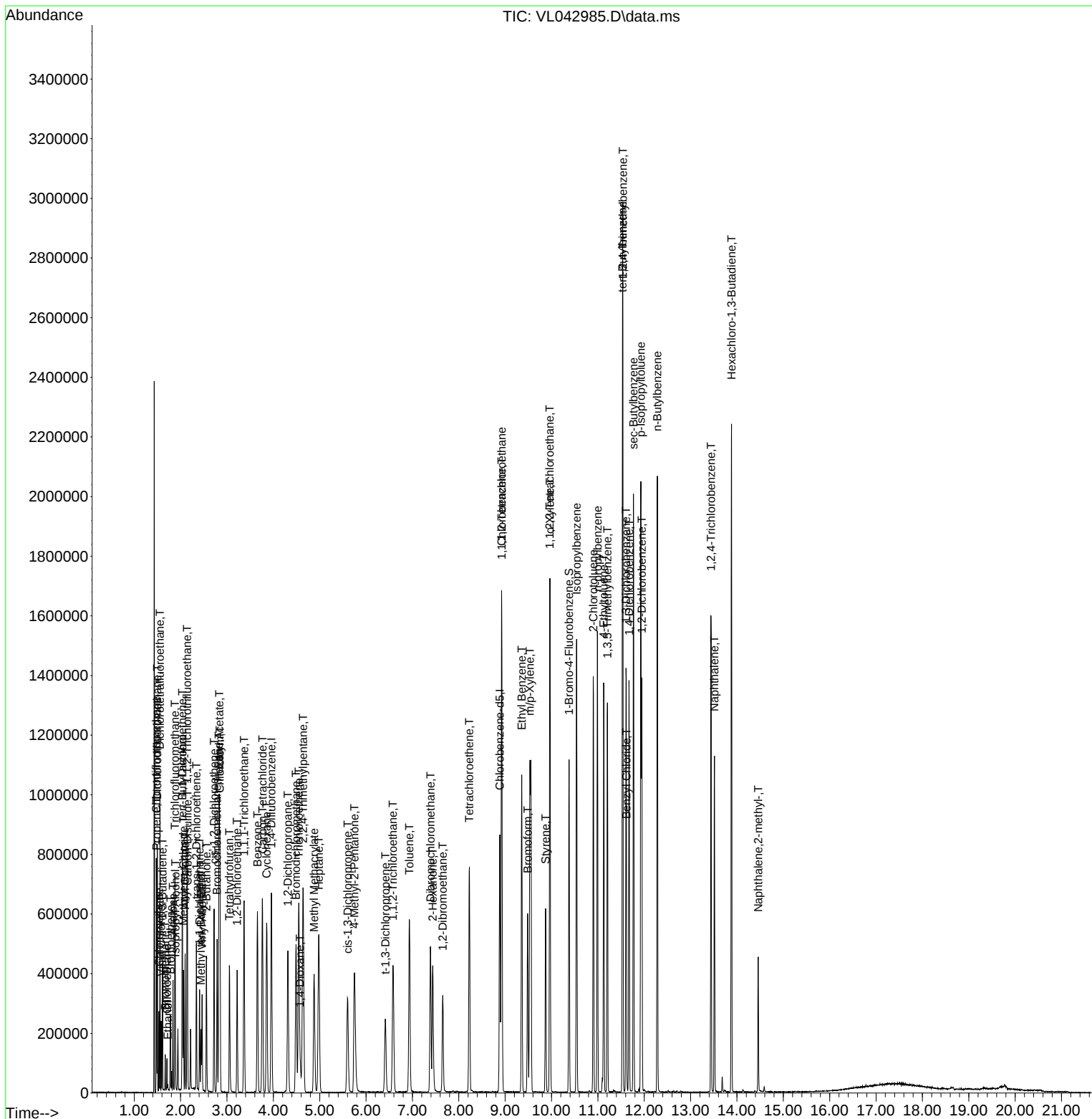
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

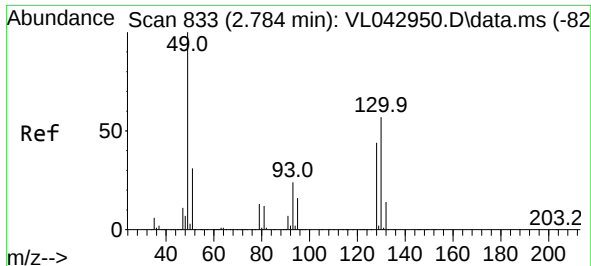
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	199882	9.548	ppbv	98
47) 1,1,2-Trichloroethane	6.580	97	146862	10.114	ppbv	98
48) Dibromochloromethane	7.389	129	239646	10.315	ppbv	100
49) Bromoform	9.487	173	200469	9.920	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	376317	9.994	ppbv	98
51) 2-Hexanone	7.438	43	296793	9.888	ppbv #	96
52) Tetrachloroethene	8.228	164	129889	8.917	ppbv	97
53) Toluene	6.933	91	429817	9.647	ppbv	100
54) 1,2-Dibromoethane	7.655	107	207545	10.155	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	178090	10.479	ppbv	99
57) Chlorobenzene	8.924	112	334709	10.326	ppbv	97
58) Ethyl Benzene	9.357	91	594235	10.192	ppbv	99
59) m/p-Xylene	9.535	91	529432	11.518	ppbv #	100
60) o-Xylene	9.966	91	478503	10.416	ppbv	99
61) Styrene	9.872	104	213951	9.846	ppbv	99
62) Isopropylbenzene	10.542	105	701023	10.237	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.962	83	246097	10.192	ppbv	99
64) n-propylbenzene	10.992	120	182650	10.207	ppbv	96
65) tert-Butylbenzene	11.532	119	617982	10.146	ppbv	99
66) Benzyl Chloride	11.616	91	37909	5.932	ppbv	96
67) sec-Butylbenzene	11.769	105	870866	10.261	ppbv	98
69) p-Isopropyltoluene	11.927	119	731903	10.209	ppbv	98
70) n-Butylbenzene	12.283	91	755608	10.795	ppbv	98
71) 2-Chlorotoluene	10.901	91	536204	10.370	ppbv	97
72) 4-Ethyltoluene	11.124	105	591673	10.283	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	488186	10.461	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	537697	10.434	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	320019	10.013	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	325338	10.250	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	313262	10.302	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	213384	8.972	ppbv	99
79) Naphthalene	13.513	128	492107	10.799	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	129885	9.227	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	258061	10.592	ppbv	99

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

Quant Time: Sep 24 02:05:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
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QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

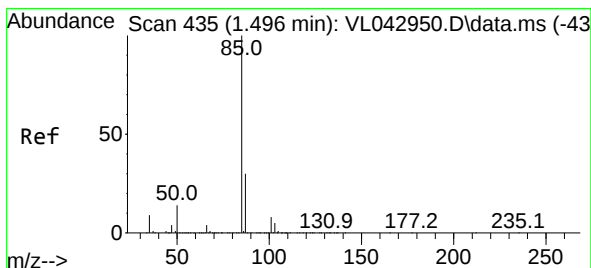
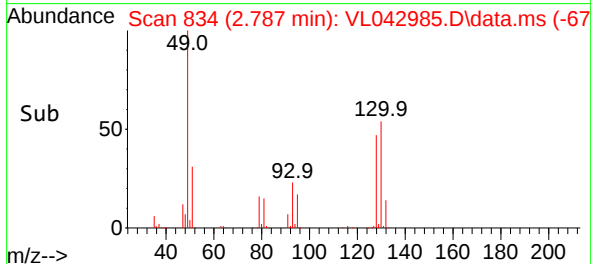
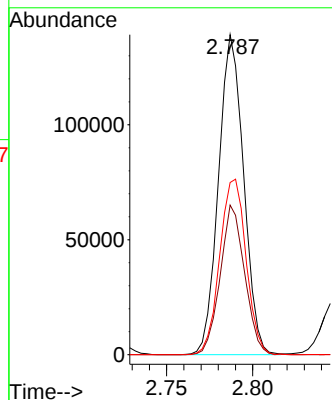
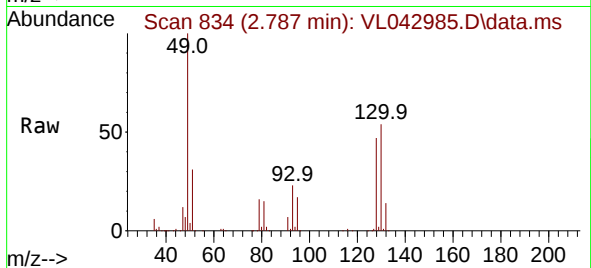




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

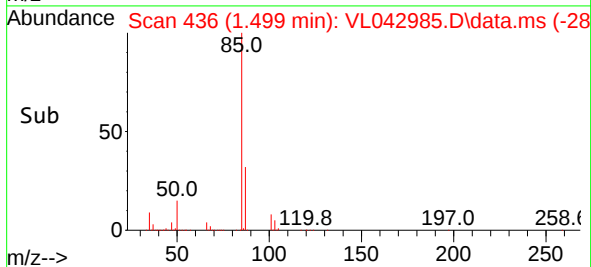
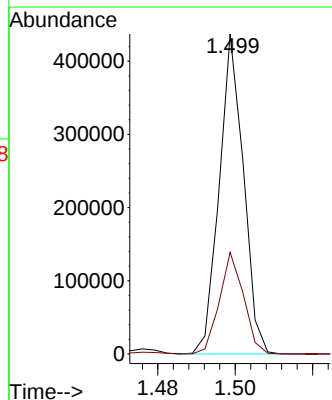
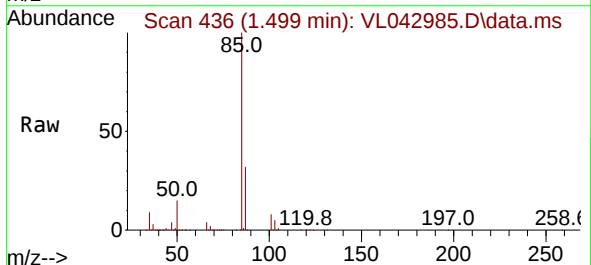
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

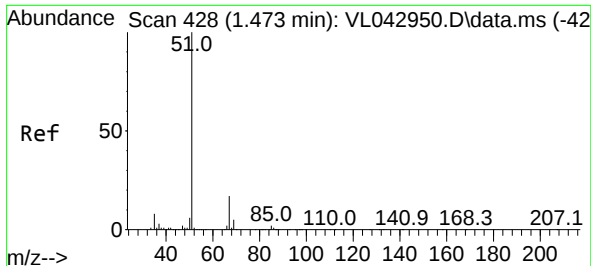
Tgt Ion: 49 Resp: 141345
Ion Ratio Lower Upper
49 100
128 45.4 22.9 68.8
130 57.5 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 9.979 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 85 Resp: 189707
Ion Ratio Lower Upper
85 100
87 31.7 24.3 36.5

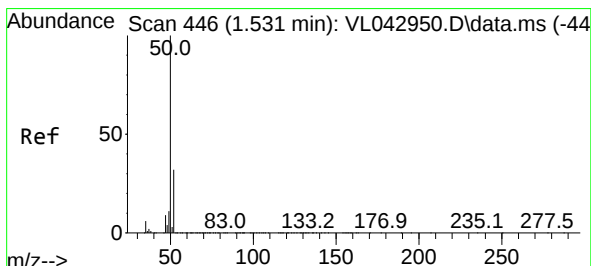
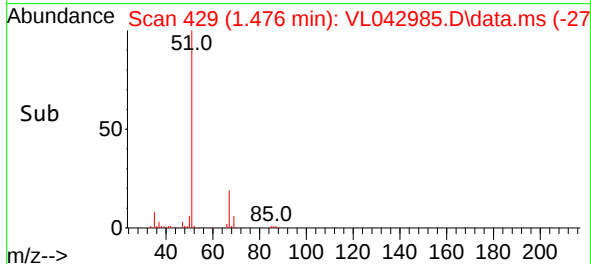
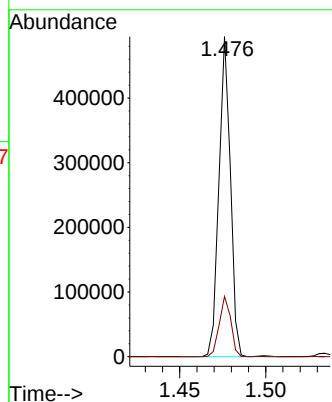
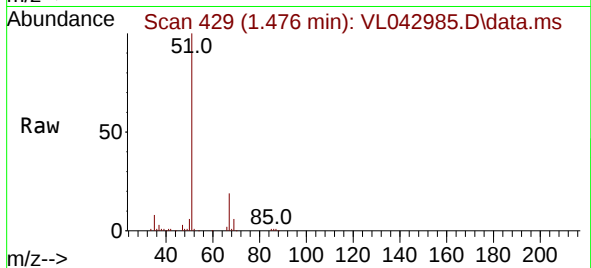




#3
Chlorodifluoromethane
Concen: 9.665 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

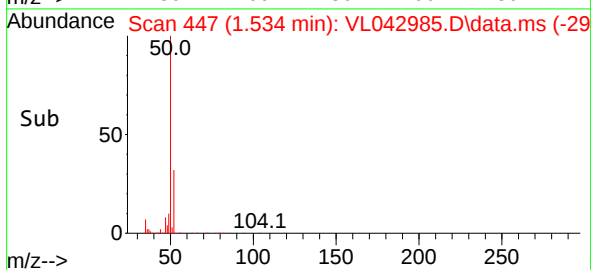
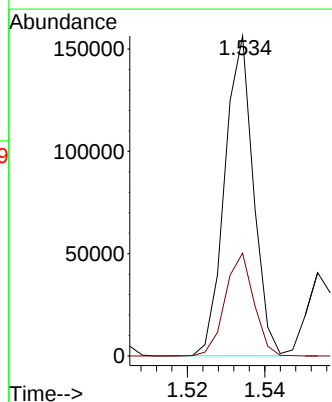
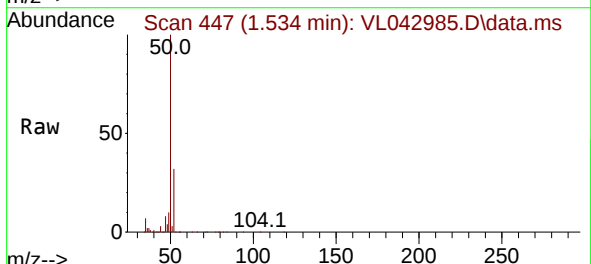
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ClientSampleId :
VL0923ABS01

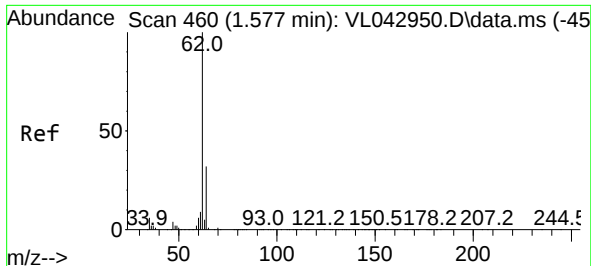
Tgt Ion: 51 Resp: 229022
Ion Ratio Lower Upper
51 100
67 19.1 13.8 20.8



#4
Chloromethane
Concen: 9.319 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 50 Resp: 80187
Ion Ratio Lower Upper
50 100
52 32.1 25.9 38.9

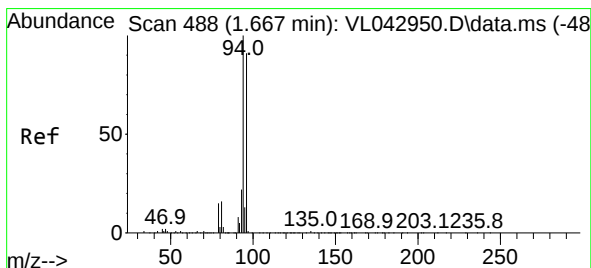
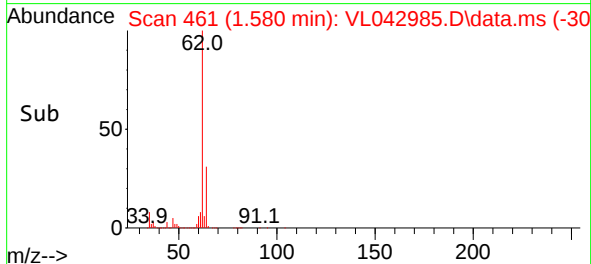
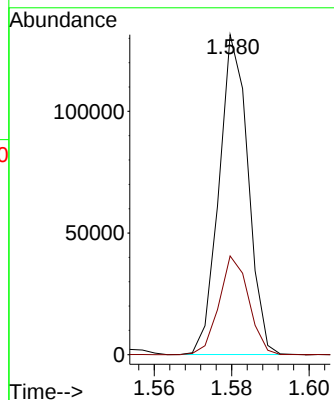
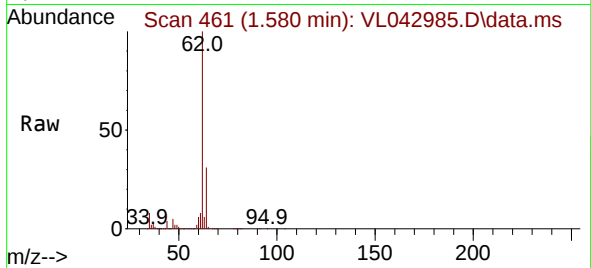




#5
 Vinyl Chloride
 Concen: 8.806 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

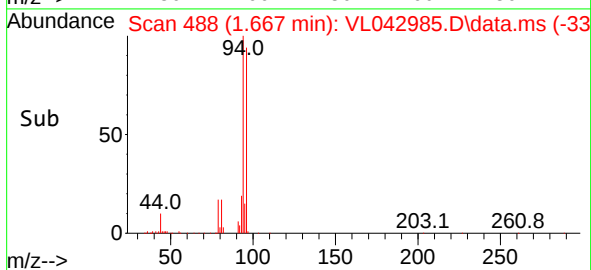
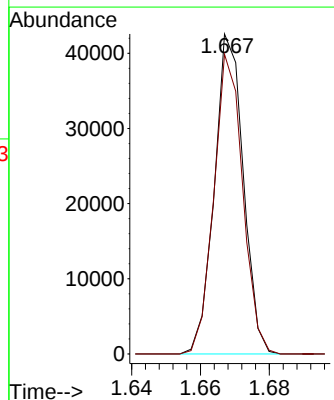
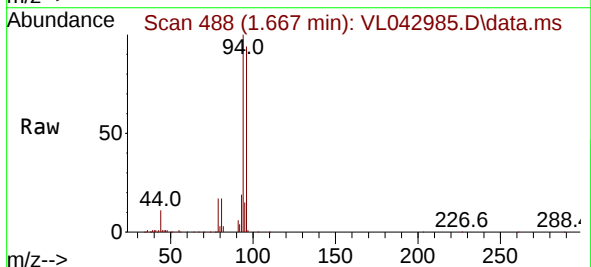
Instrument :
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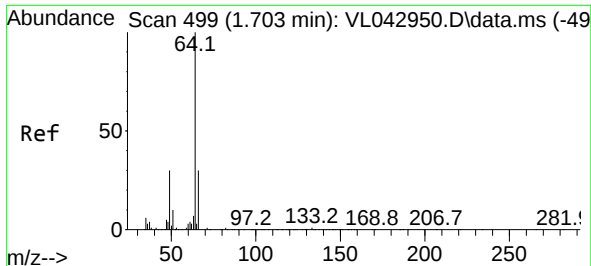
Tgt Ion: 62 Resp: 68503
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.4 38.2



#6
 Bromomethane
 Concen: 9.046 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

Tgt Ion: 94 Resp: 24823
 Ion Ratio Lower Upper
 94 100
 96 93.6 72.6 108.8

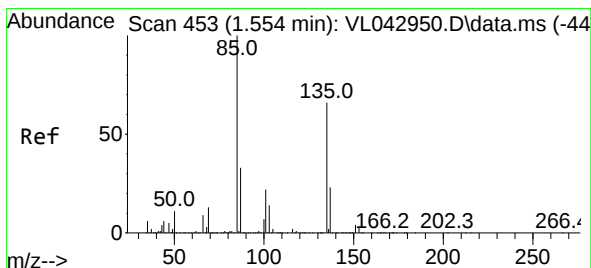
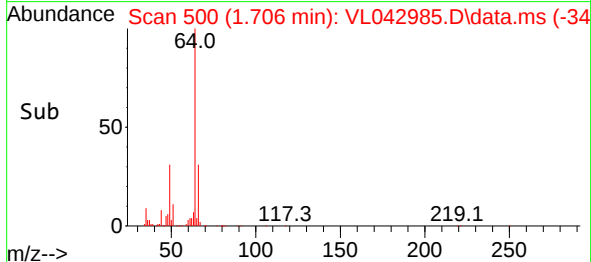
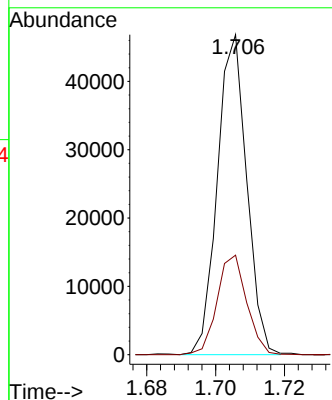
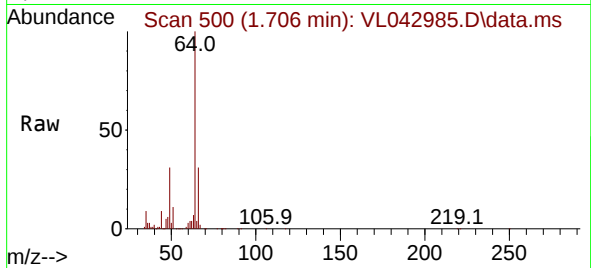




#7
Chloroethane
Concen: 9.182 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

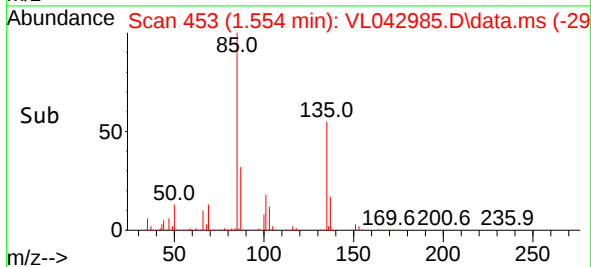
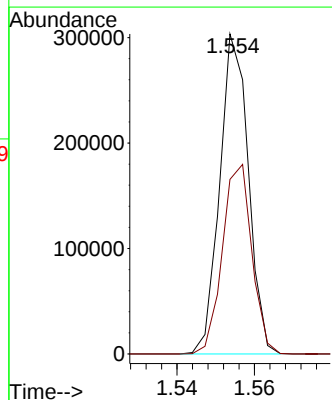
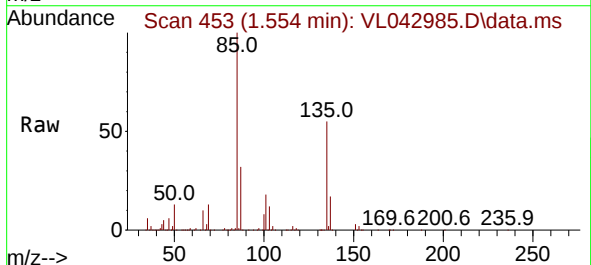
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ClientSampleId :
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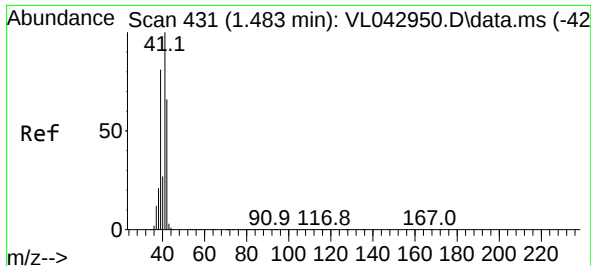
Tgt Ion: 64 Resp: 27737
Ion Ratio Lower Upper
64 100
66 31.1 24.6 36.8



#8
Dichlorotetrafluoroethane
Concen: 9.585 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 85 Resp: 155561
Ion Ratio Lower Upper
85 100
135 61.1 49.7 74.5





#9

Propene

Concen: 8.135 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_1

ClientSampleId :

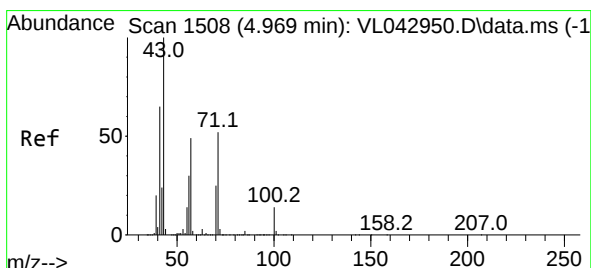
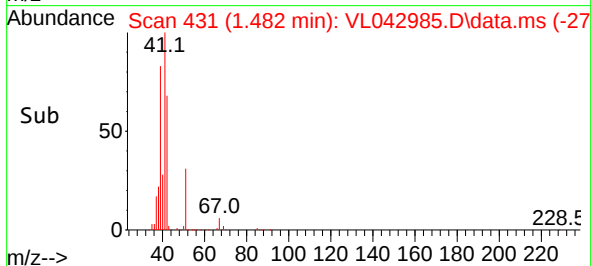
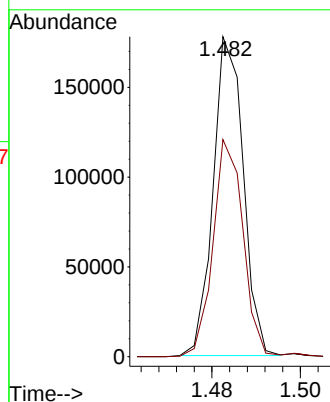
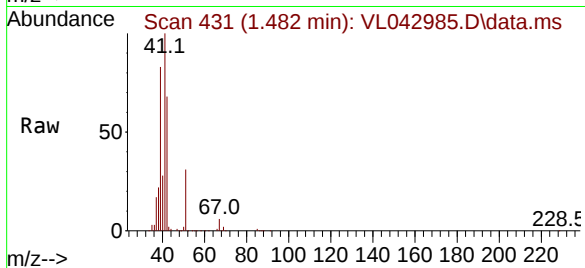
VL0923ABS01

Tgt Ion: 41 Resp: 83859

Ion Ratio Lower Upper

41 100

42 68.9 57.4 86.2



#10

Heptane

Concen: 8.900 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.013 min

Lab File: VL042985.D

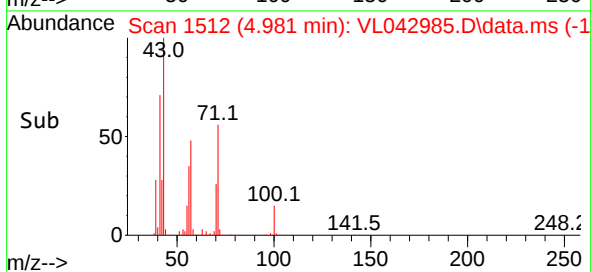
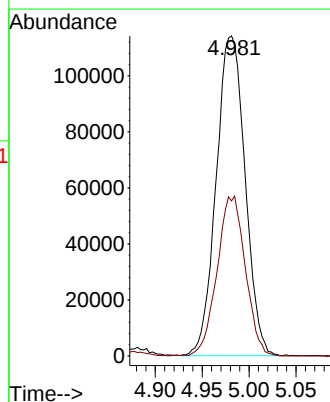
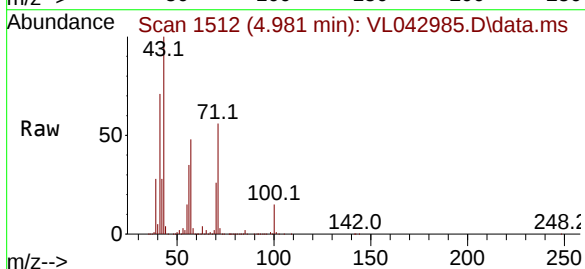
Acq: 23 Sep 2025 10:46

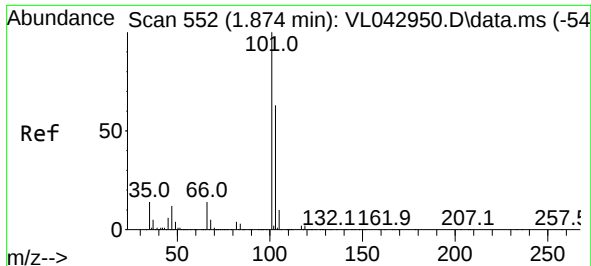
Tgt Ion: 43 Resp: 244830

Ion Ratio Lower Upper

43 100

57 48.9 38.6 57.8

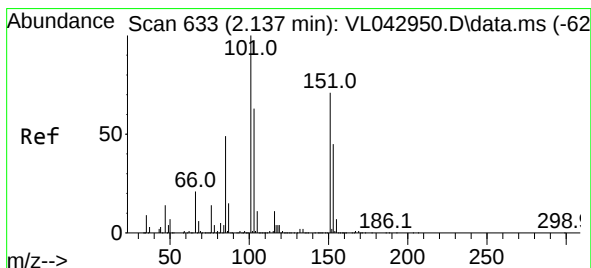
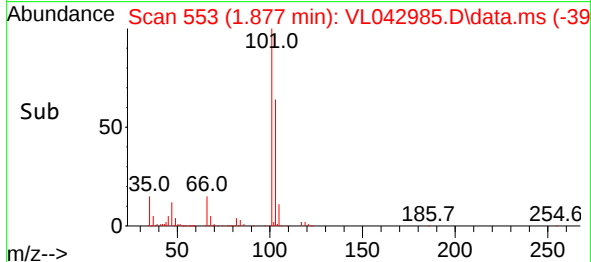
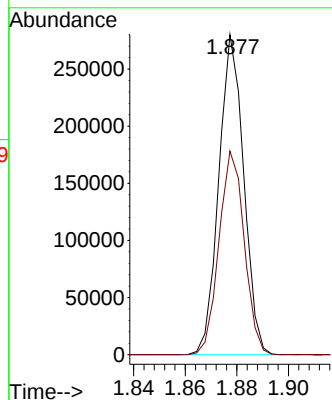
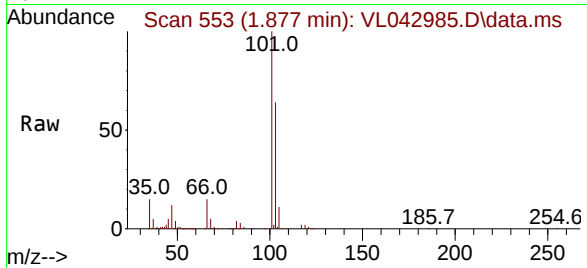




#11
Trichlorofluoromethane
Concen: 10.218 ppbv
RT: 1.877 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

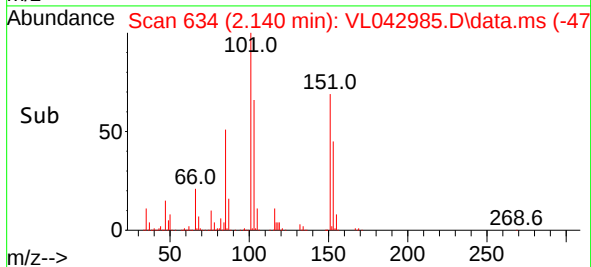
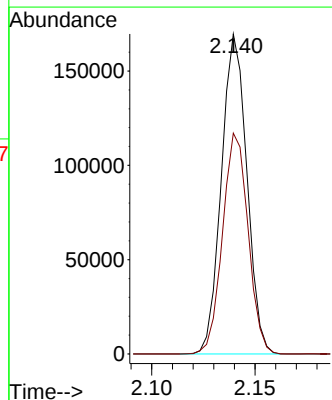
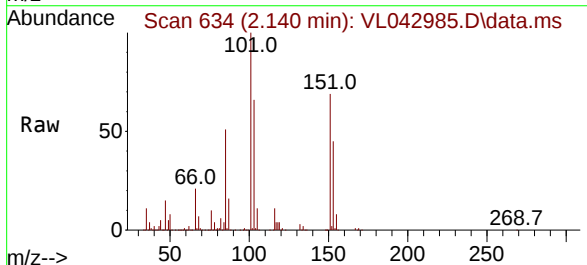
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

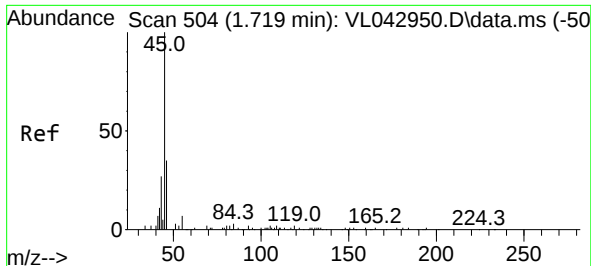
Tgt Ion:101 Resp: 187304
Ion Ratio Lower Upper
101 100
103 63.6 50.1 75.1



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.785 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion:101 Resp: 145246
Ion Ratio Lower Upper
101 100
151 69.3 55.7 83.5





#13

Ethanol

Concen: 6.053 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

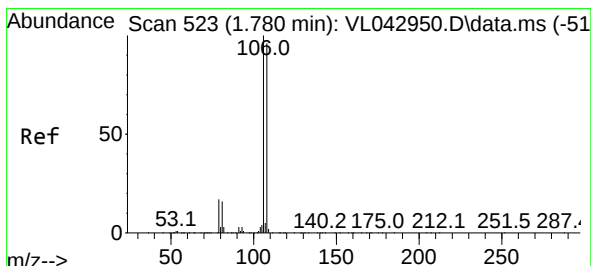
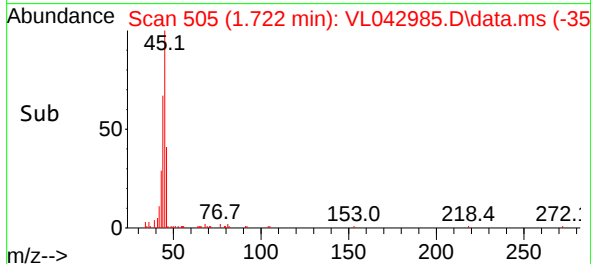
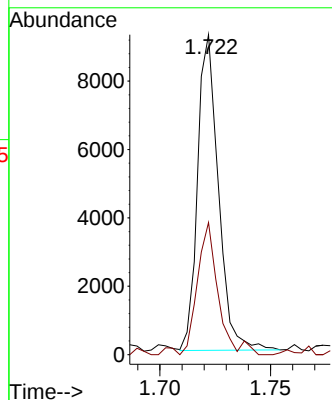
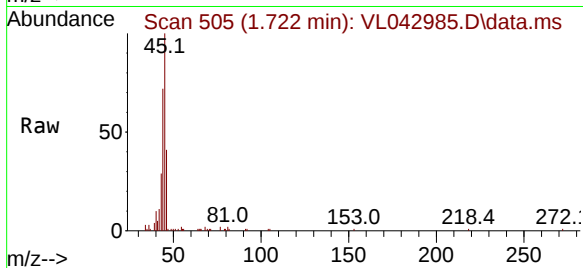
VL0923ABS01

Tgt Ion: 45 Resp: 6053

Ion Ratio Lower Upper

45 100

46 45.0 16.2 64.6



#14

Bromoethene

Concen: 9.341 ppbv

RT: 1.783 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

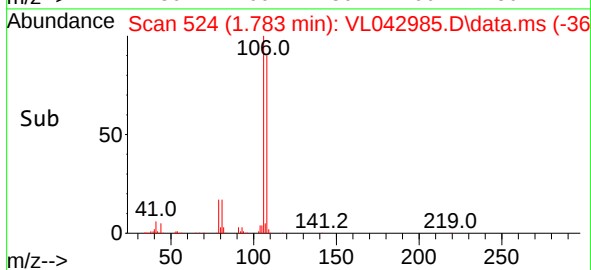
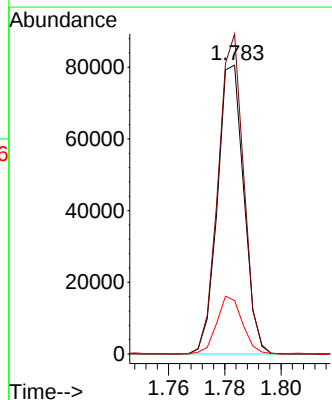
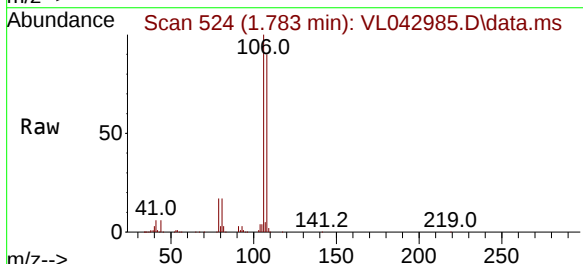
Tgt Ion: 108 Resp: 52420

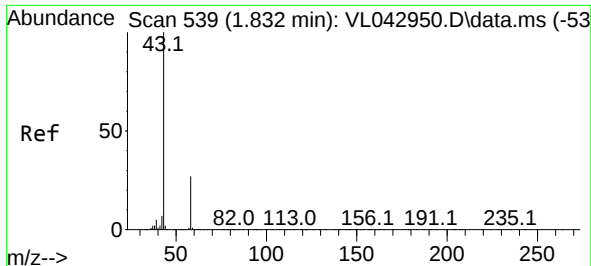
Ion Ratio Lower Upper

108 100

106 106.9 86.0 129.0

79 20.1 14.2 21.2





#15

Acetone

Concen: 8.213 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

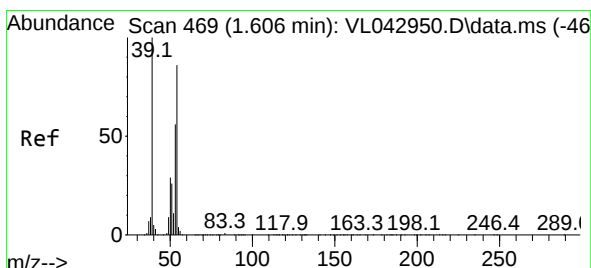
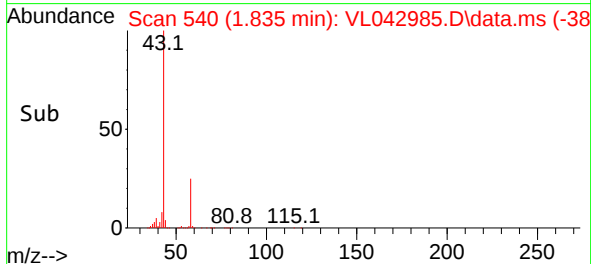
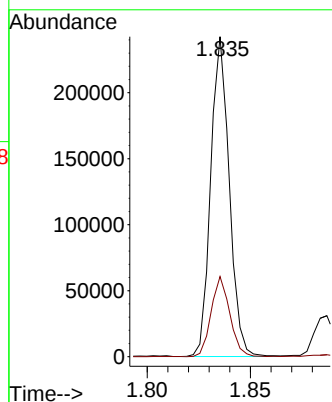
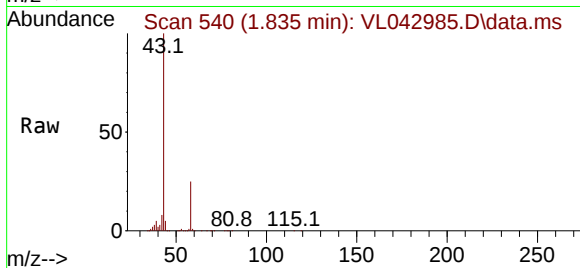
VL0923ABS01

Tgt Ion: 43 Resp: 151197

Ion Ratio Lower Upper

43 100

58 25.3 22.3 33.5



#16

1,3-Butadiene

Concen: 8.696 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042985.D

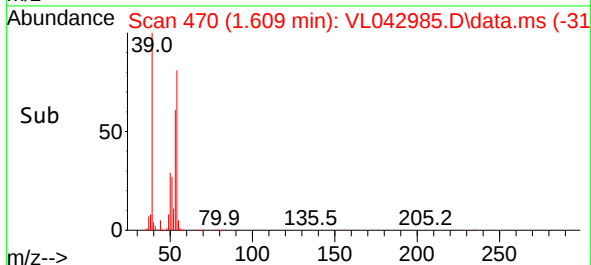
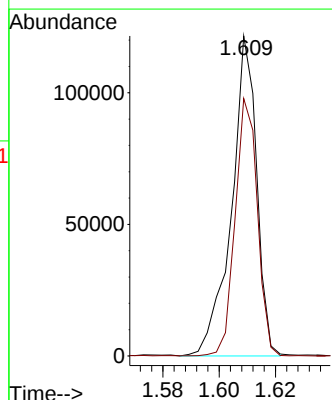
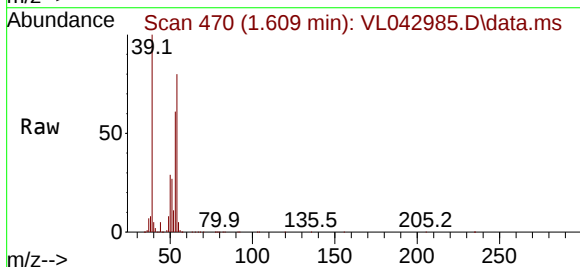
Acq: 23 Sep 2025 10:46

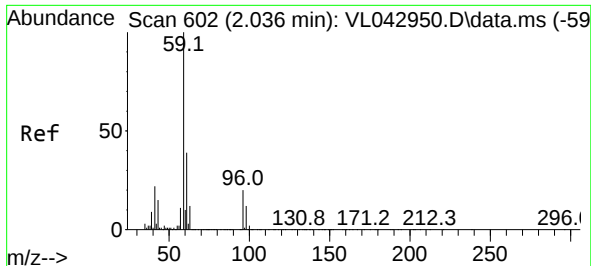
Tgt Ion: 39 Resp: 75511

Ion Ratio Lower Upper

39 100

54 71.4 60.8 91.2





#17

tert-Butyl alcohol

Concen: 8.281 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

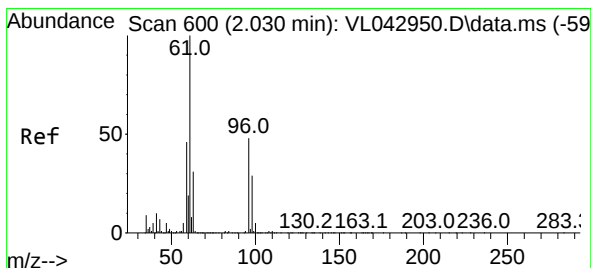
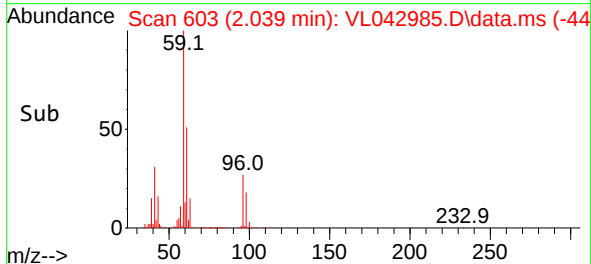
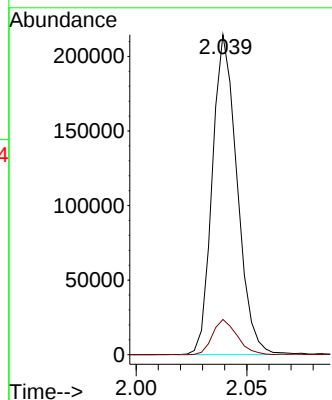
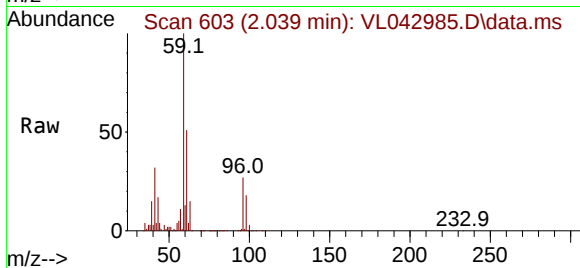
VL0923ABS01

Tgt Ion: 59 Resp: 167211

Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.475 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

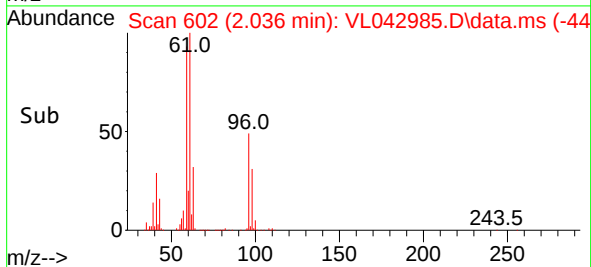
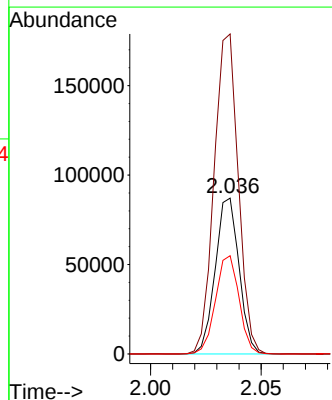
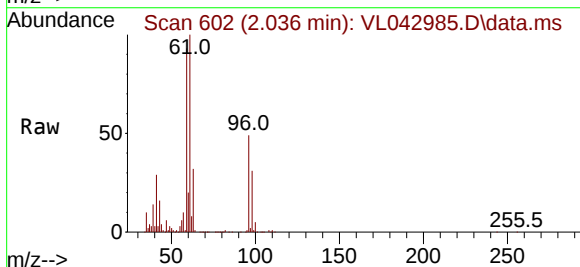
Tgt Ion: 96 Resp: 65099

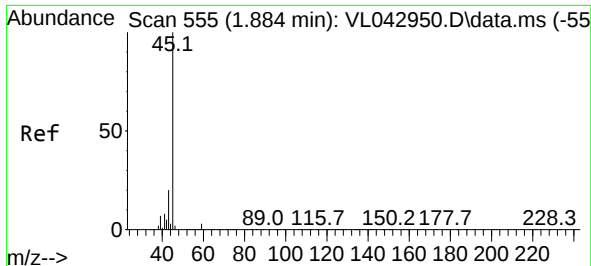
Ion Ratio Lower Upper

96 100

61 205.4 166.2 249.4

98 63.1 48.6 73.0

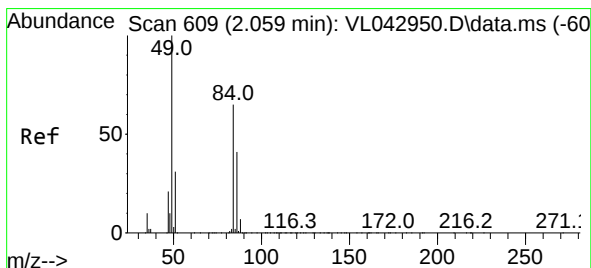
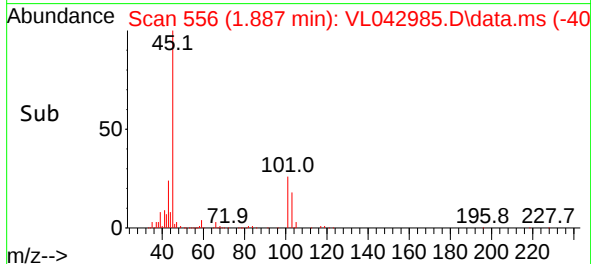
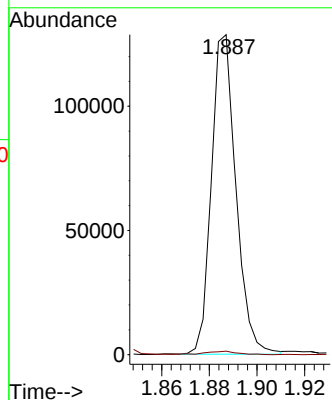
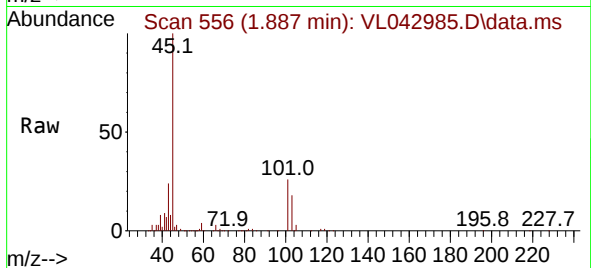




#19
Isopropyl Alcohol
Concen: 8.311 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

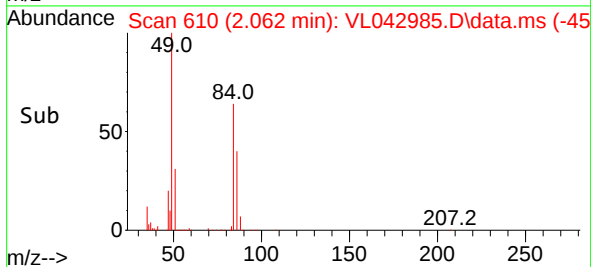
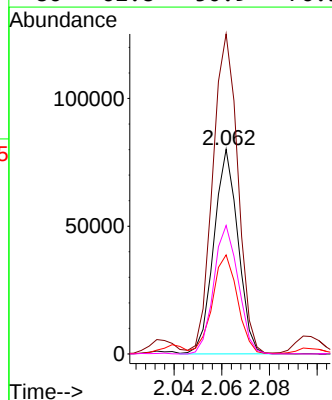
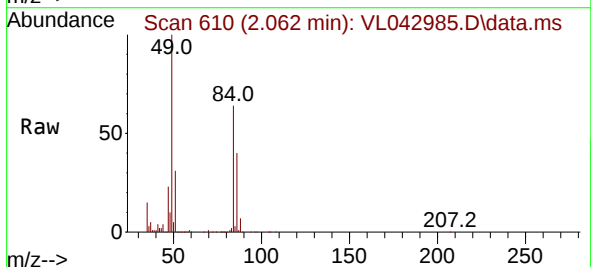
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

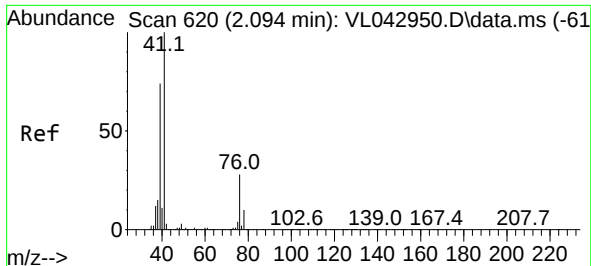
Tgt Ion: 45 Resp: 91978
Ion Ratio Lower Upper
45 100
58 41.6 31.0 46.6



#20
Methylene Chloride
Concen: 10.276 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 84 Resp: 56301
Ion Ratio Lower Upper
84 100
49 155.8 124.1 186.1
51 48.3 39.8 59.8
86 62.8 50.9 76.3





#21

Allyl Chloride

Concen: 9.310 ppbv

RT: 2.097 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

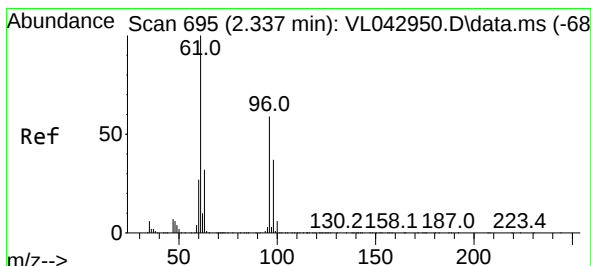
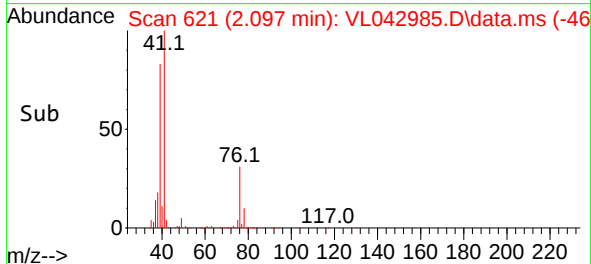
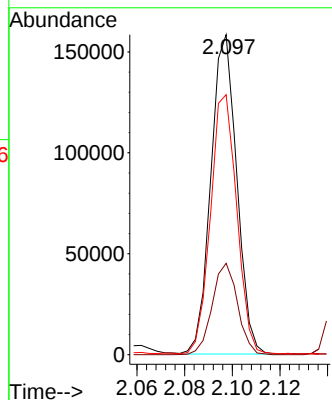
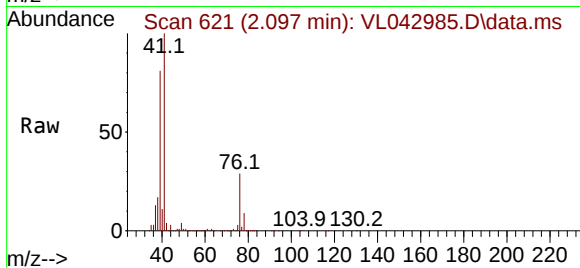
Tgt Ion: 41 Resp: 119358

Ion Ratio Lower Upper

41 100

76 28.0 22.3 33.5

39 82.4 61.3 91.9



#22

trans-1,2-Dichloroethene

Concen: 9.534 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

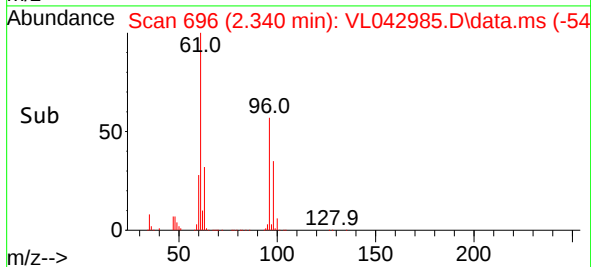
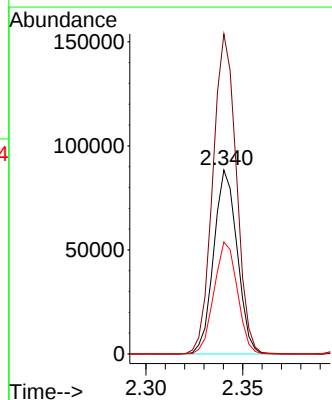
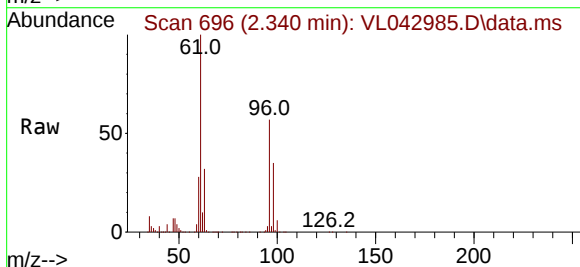
Tgt Ion: 96 Resp: 74438

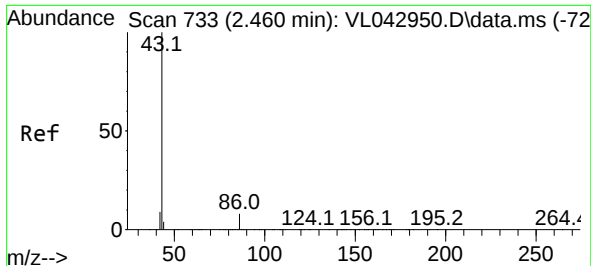
Ion Ratio Lower Upper

96 100

61 174.1 136.5 204.7

98 60.9 50.6 76.0



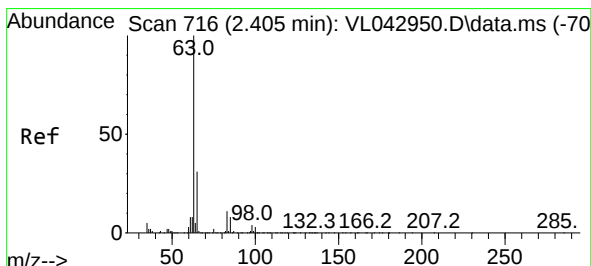
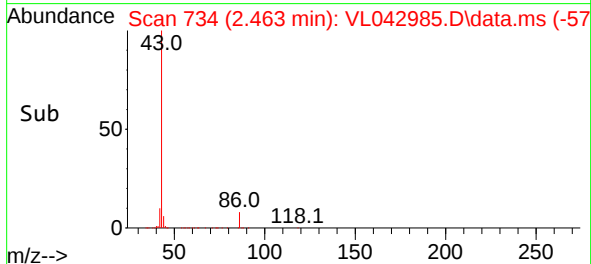
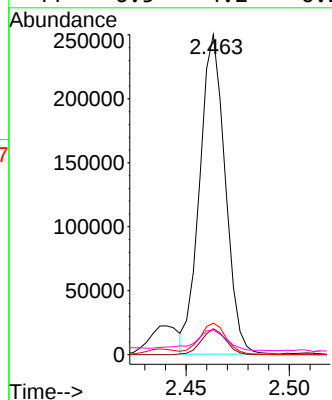
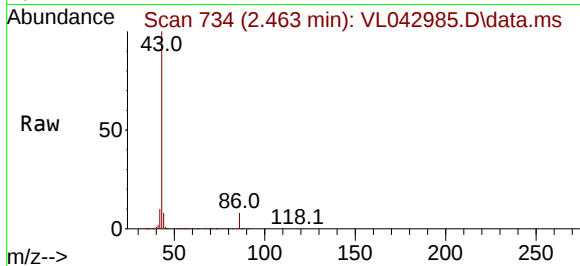


#23
 Vinyl Acetate
 Concen: 8.137 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 43 Resp: 213995

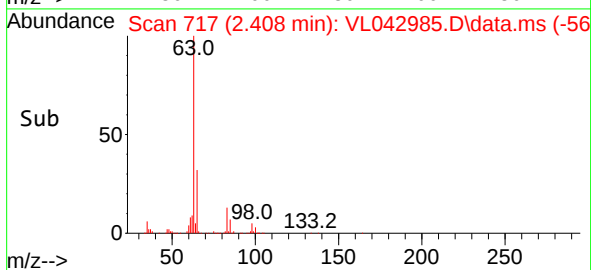
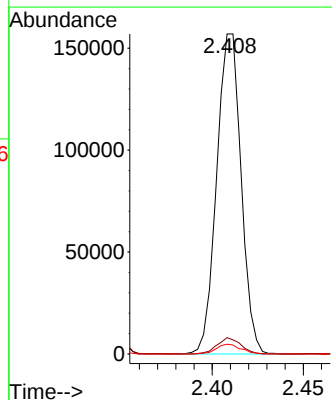
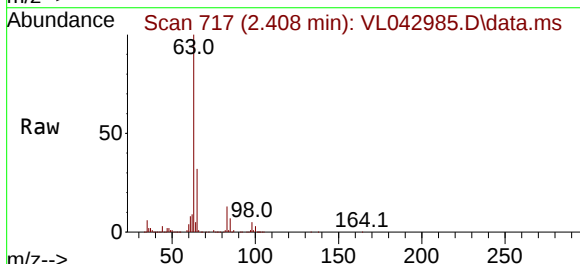
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.2
42	9.7	7.4	11.0
44	6.5	4.2	6.2

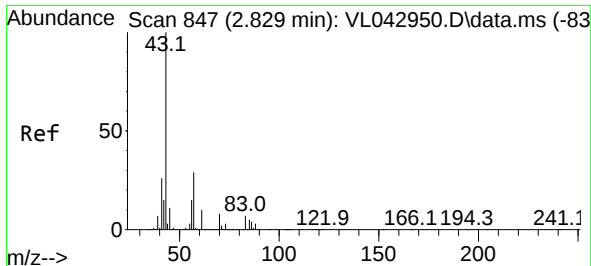


#24
 1,1-Dichloroethane
 Concen: 9.562 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

Tgt Ion: 63 Resp: 146400

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.2	6.6
100	3.1	1.4	4.0





#25

Ethyl Acetate

Concen: 9.132 ppbv

RT: 2.835 min Scan# 84

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 43 Resp: 424873

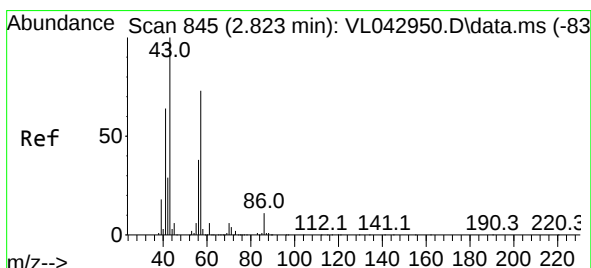
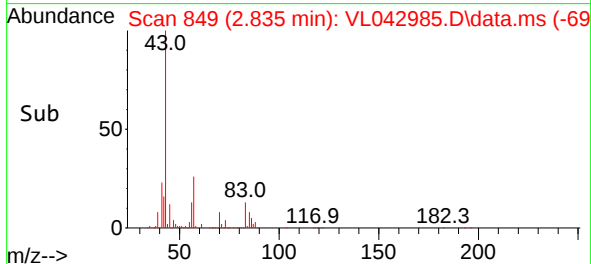
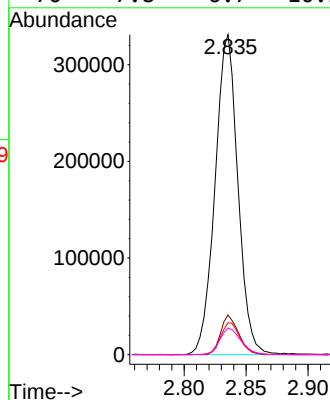
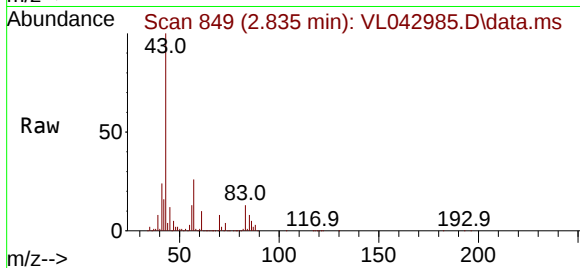
Ion Ratio Lower Upper

43 100

45 9.9 7.7 11.5

61 8.6 7.1 10.7

70 7.8 6.7 10.1



#26

Hexane

Concen: 8.948 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Tgt Ion: 57 Resp: 189786

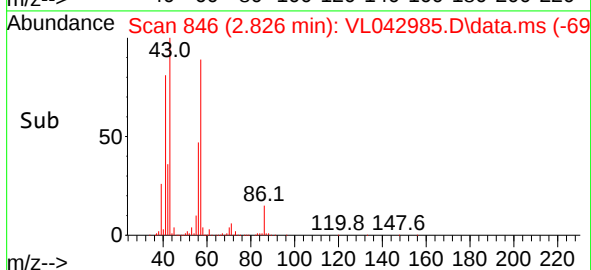
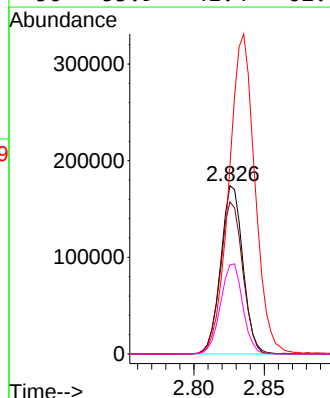
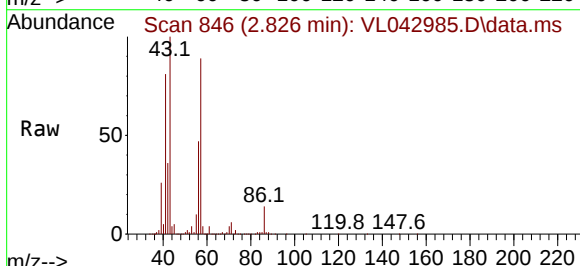
Ion Ratio Lower Upper

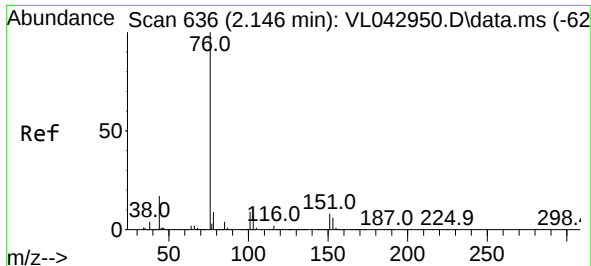
57 100

41 93.2 71.7 107.5

43 225.3 180.8 271.2

56 53.9 41.4 62.0

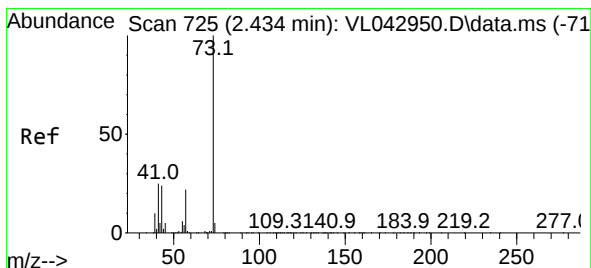
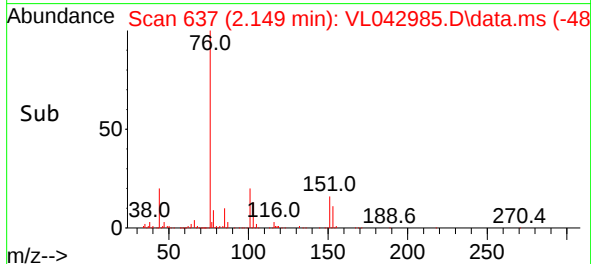
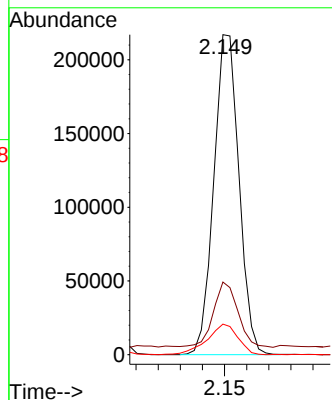
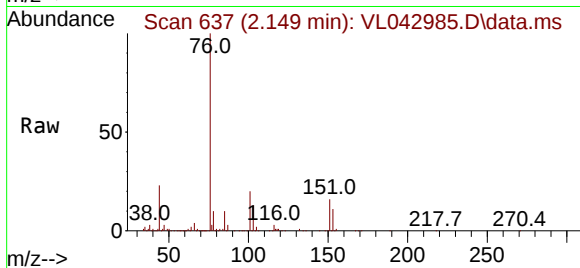




#27
Carbon Disulfide
Concen: 9.023 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

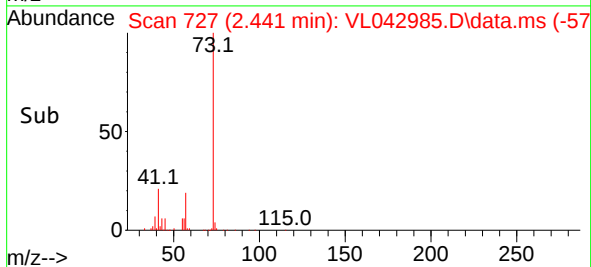
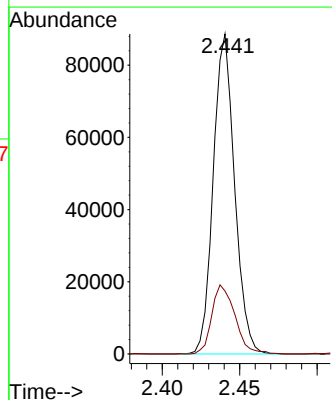
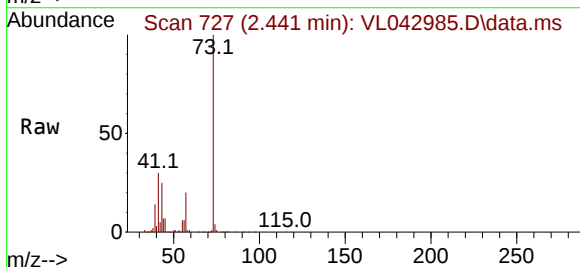
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

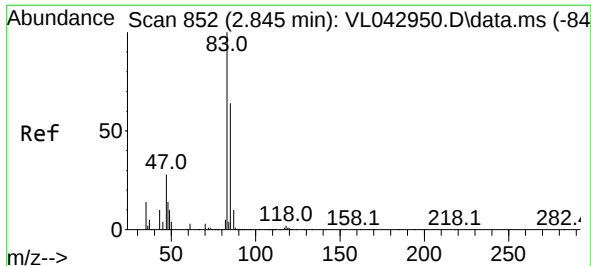
Tgt Ion: 76 Resp: 171644
Ion Ratio Lower Upper
76 100
44 20.8 15.6 23.4
78 11.6 8.9 13.3



#28
Methyl tert-Butyl Ether
Concen: 7.682 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 73 Resp: 84694
Ion Ratio Lower Upper
73 100
57 23.5 20.6 31.0





#29

Chloroform

Concen: 10.233 ppbv

RT: 2.848 min Scan# 8

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

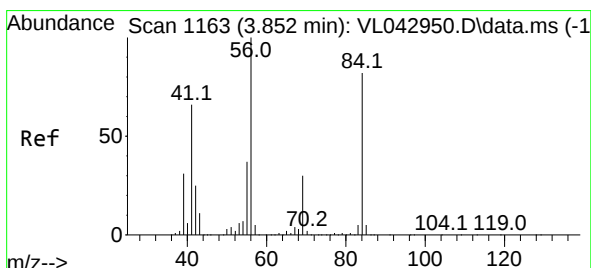
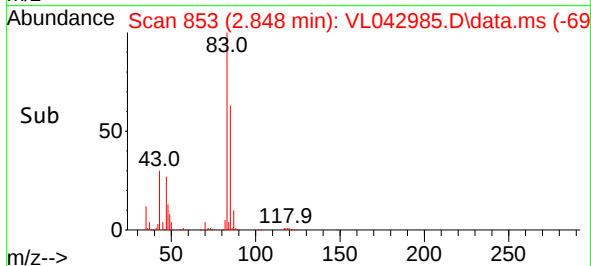
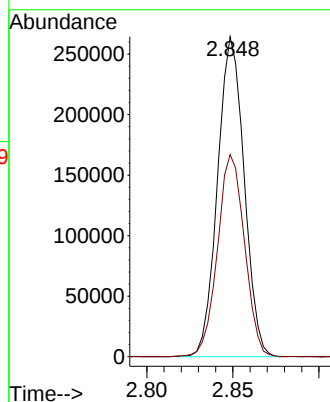
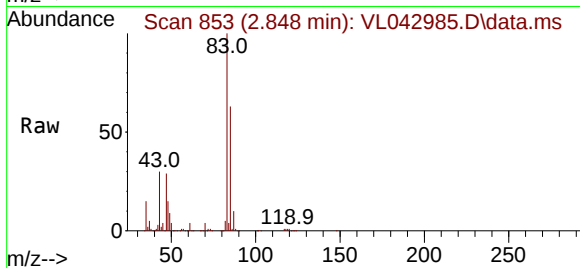
VL0923ABS01

Tgt Ion: 83 Resp: 283787

Ion Ratio Lower Upper

83 100

85 63.1 51.2 76.8



#30

Cyclohexane

Concen: 8.927 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

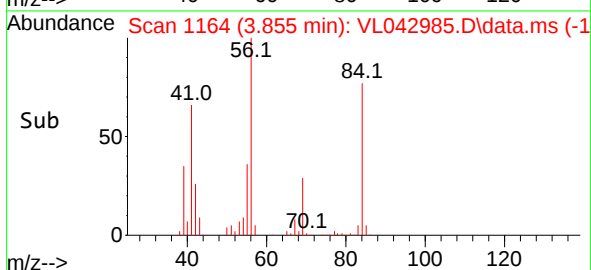
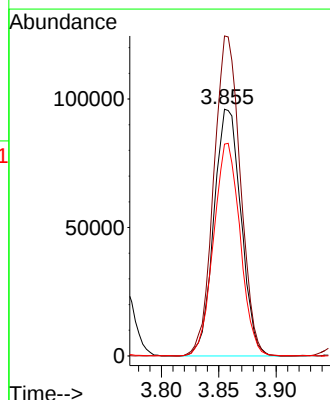
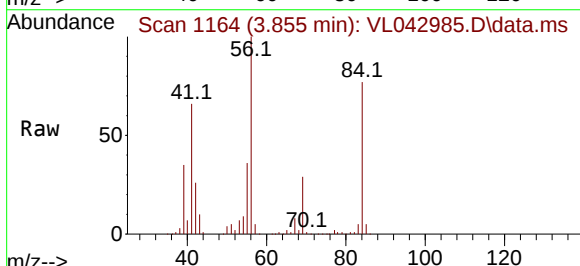
Tgt Ion: 84 Resp: 158294

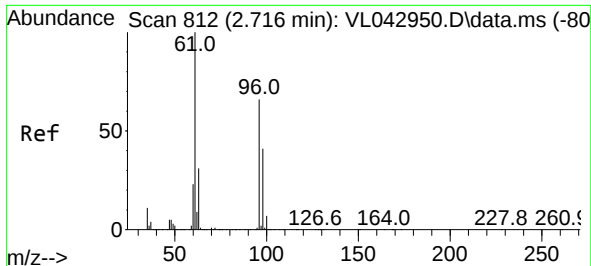
Ion Ratio Lower Upper

84 100

56 126.9 102.2 153.4

41 84.6 65.6 98.4

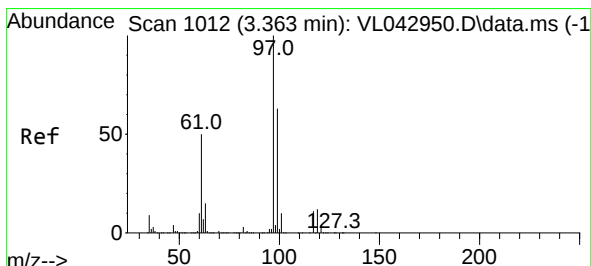
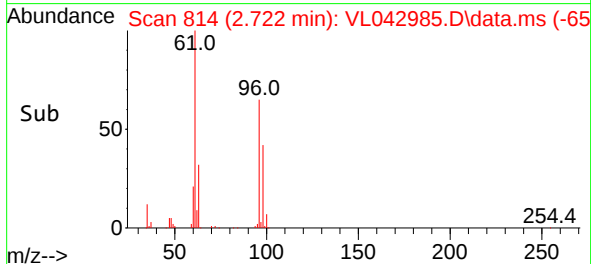
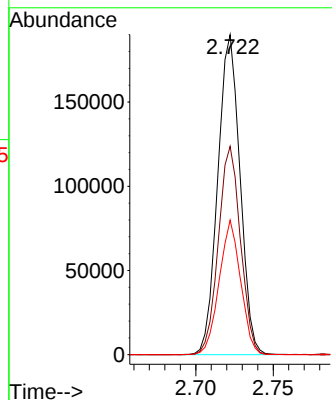
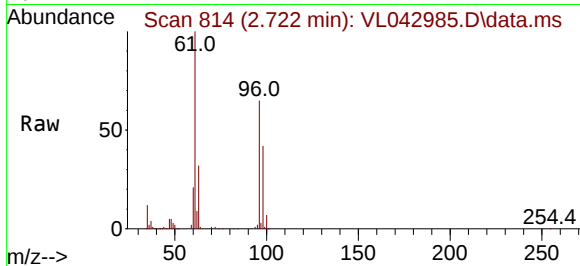




#31
 cis-1,2-Dichloroethene
 Concen: 9.532 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.006 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

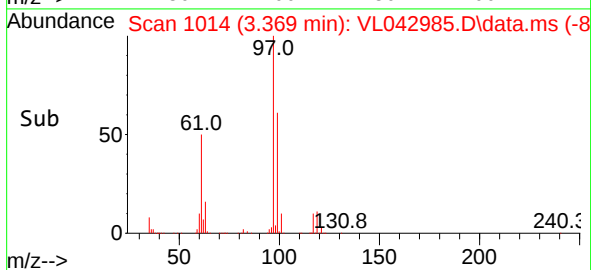
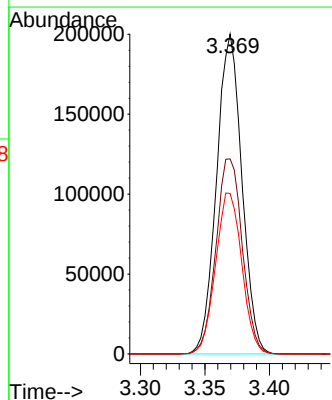
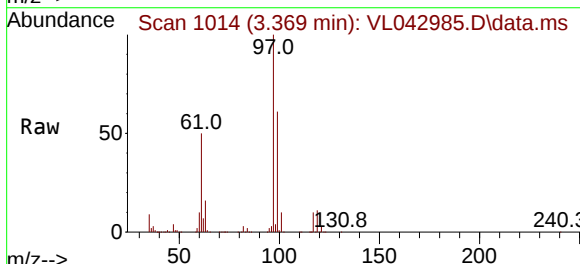
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

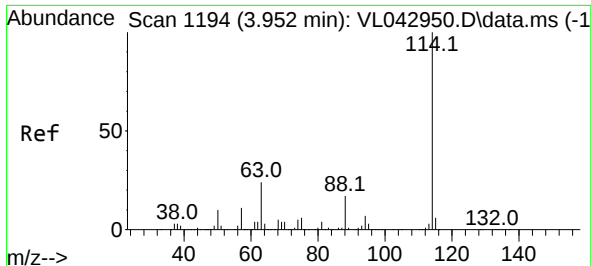
Tgt Ion: 61 Resp: 189377
 Ion Ratio Lower Upper
 61 100
 96 65.1 53.0 79.6
 98 42.1 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 9.122 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

Tgt Ion: 97 Resp: 273236
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.1 76.7
 61 52.1 39.8 59.6

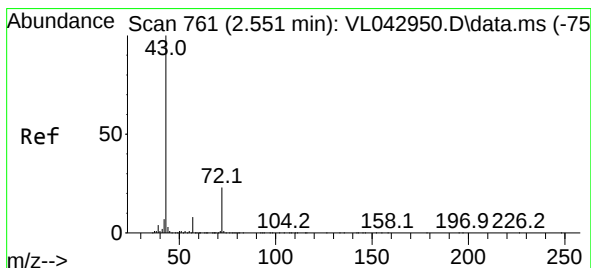
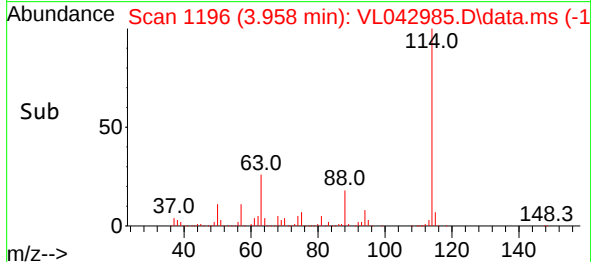
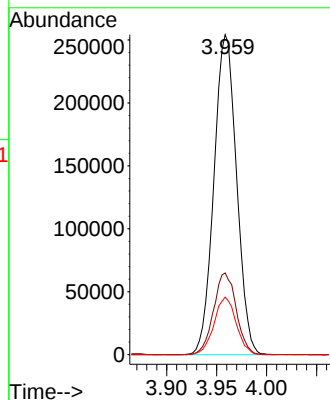
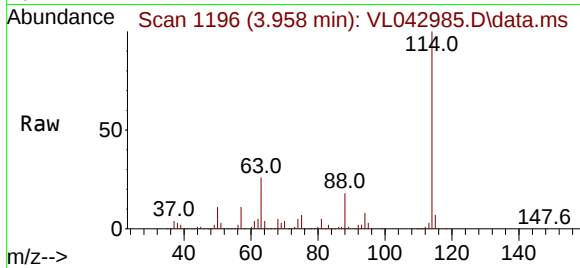




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

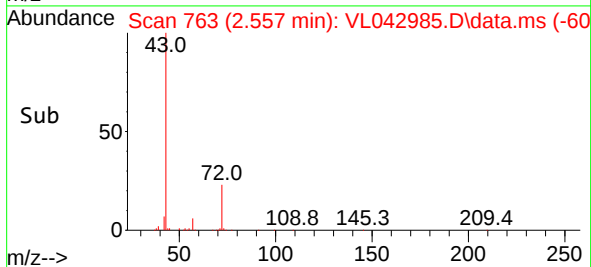
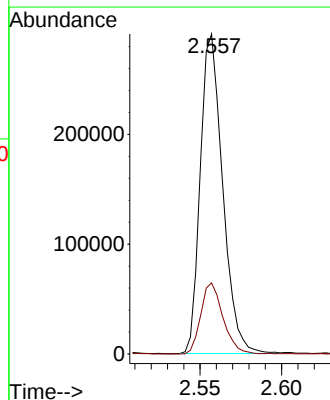
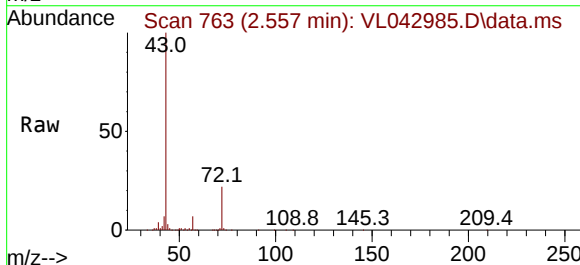
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

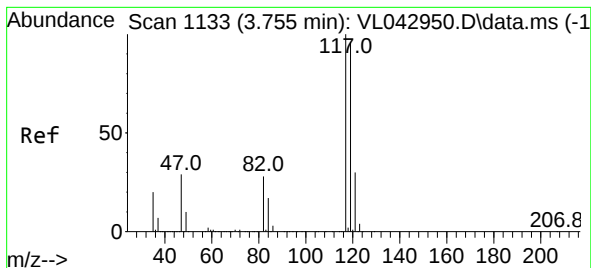
Tgt Ion:114 Resp: 400881
Ion Ratio Lower Upper
114 100
63 25.6 19.4 29.2
88 17.6 14.2 21.2



#34
2-Butanone
Concen: 9.878 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 43 Resp: 277525
Ion Ratio Lower Upper
43 100
72 22.2 17.7 26.5





#35

Carbon Tetrachloride

Concen: 10.890 ppbv

RT: 3.764 min Scan# 1136

Delta R.T. 0.009 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

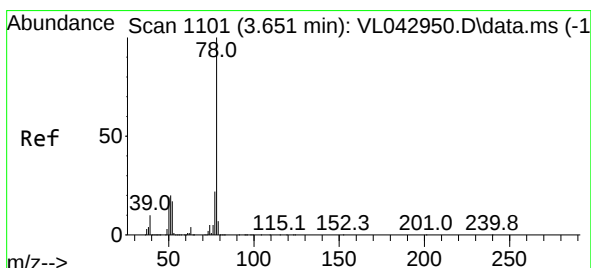
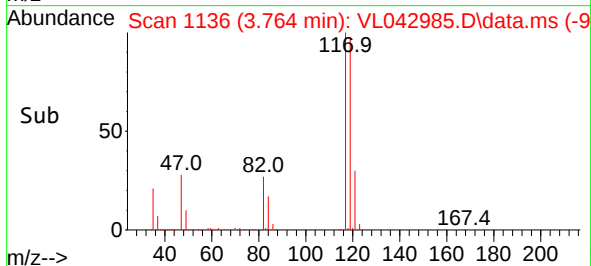
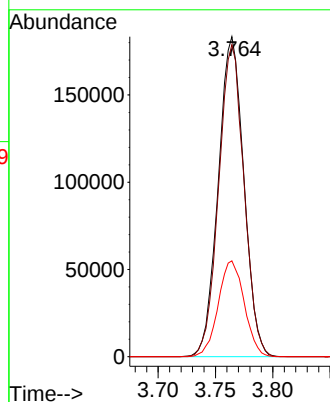
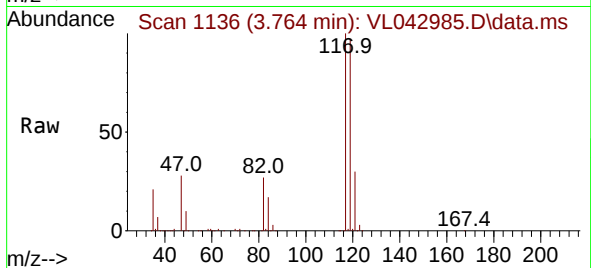
Tgt Ion:117 Resp: 284218

Ion Ratio Lower Upper

117 100

119 97.5 76.9 115.3

121 30.0 23.7 35.5



#36

Benzene

Concen: 9.954 ppbv

RT: 3.657 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

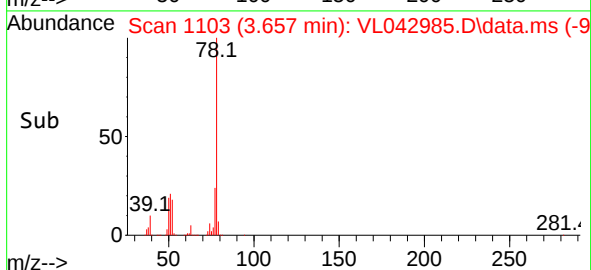
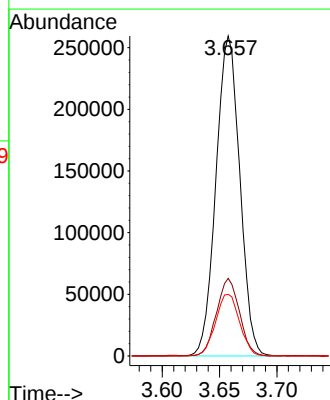
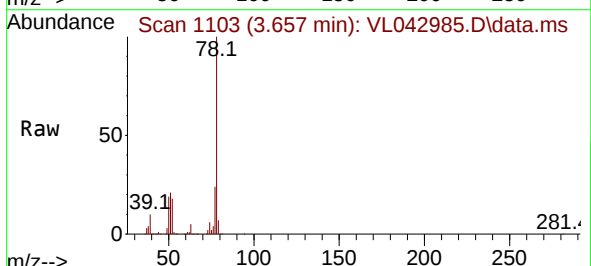
Tgt Ion: 78 Resp: 374729

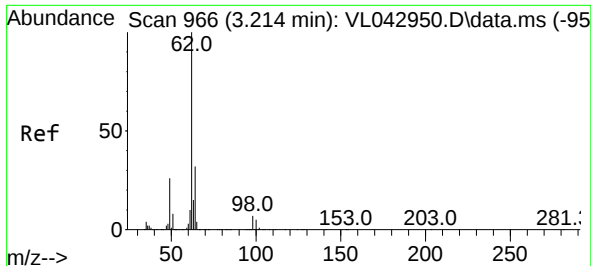
Ion Ratio Lower Upper

78 100

77 24.2 17.8 26.6

50 19.2 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.381 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

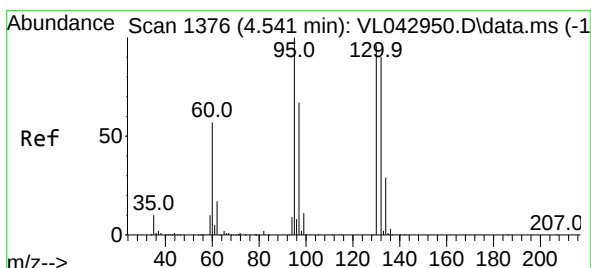
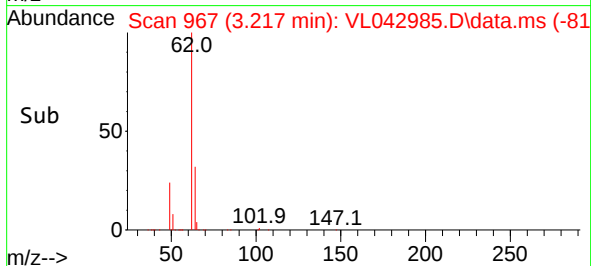
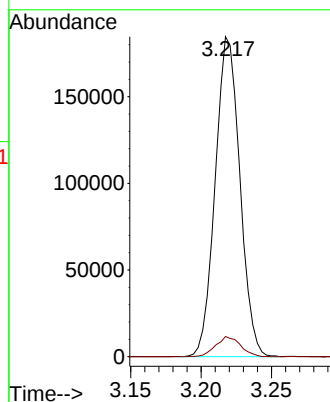
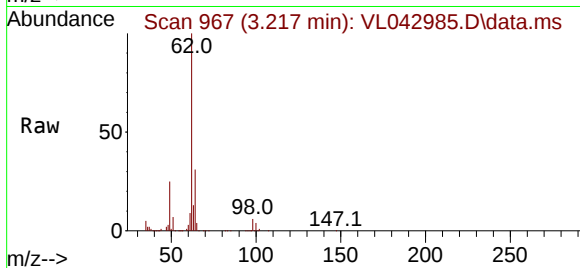
VL0923ABS01

Tgt Ion: 62 Resp: 225333

Ion Ratio Lower Upper

62 100

98 6.4 5.9 8.9



#38

Trichloroethene

Concen: 9.379 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Tgt Ion:130 Resp: 175469

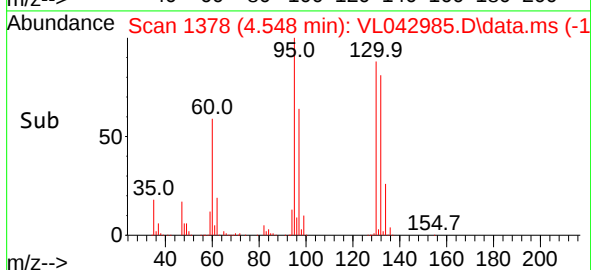
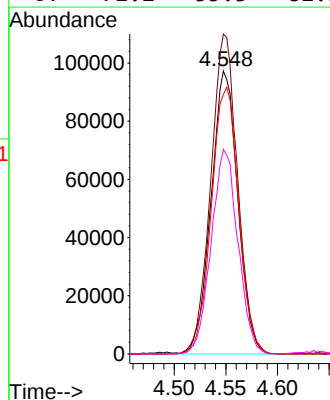
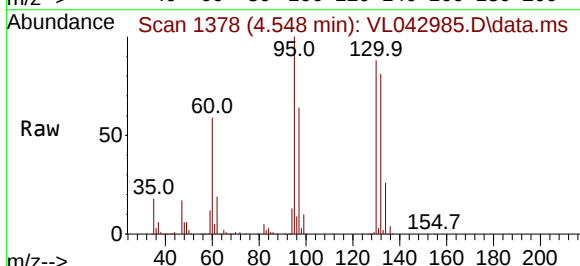
Ion Ratio Lower Upper

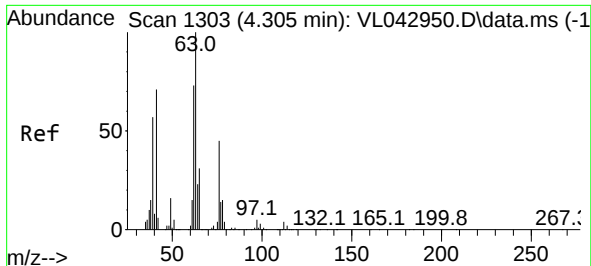
130 100

95 113.0 83.0 124.4

132 91.7 74.6 112.0

97 72.2 55.3 82.9





#39

1,2-Dichloropropane

Concen: 10.025 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.009 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

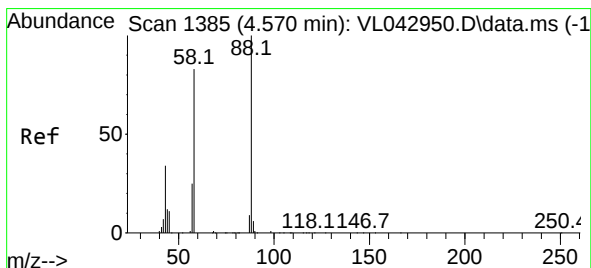
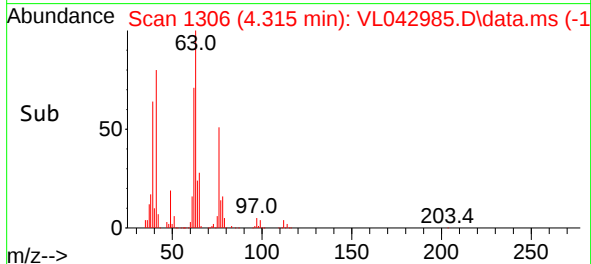
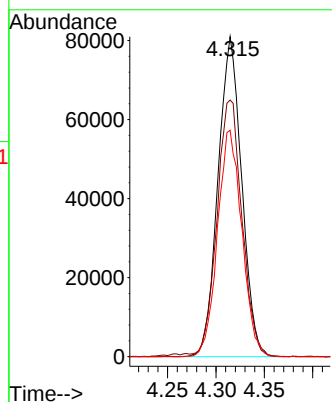
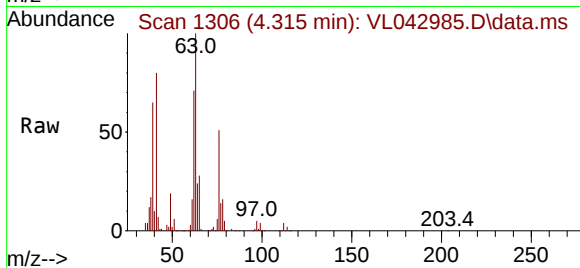
Tgt Ion: 63 Resp: 137775

Ion Ratio Lower Upper

63 100

41 80.1 57.5 86.3

62 70.7 58.5 87.7



#40

1,4-Dioxane

Concen: 8.908 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Tgt Ion: 88 Resp: 56926

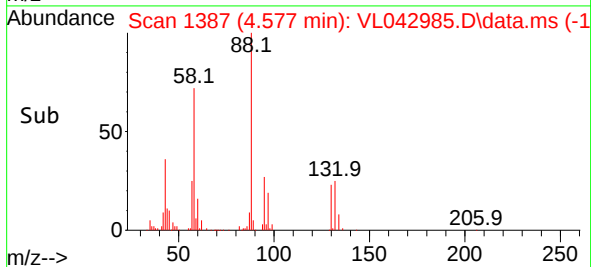
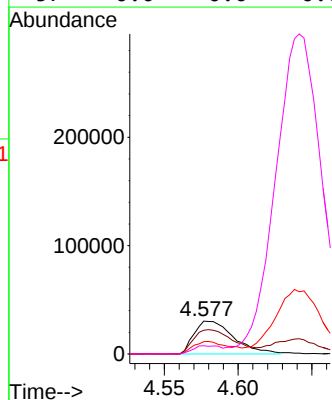
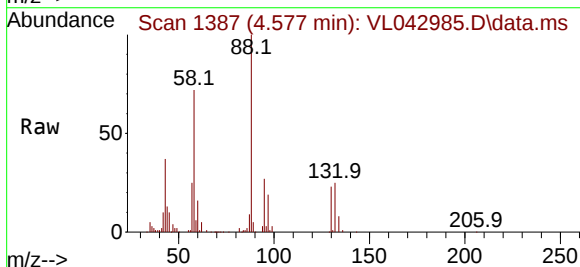
Ion Ratio Lower Upper

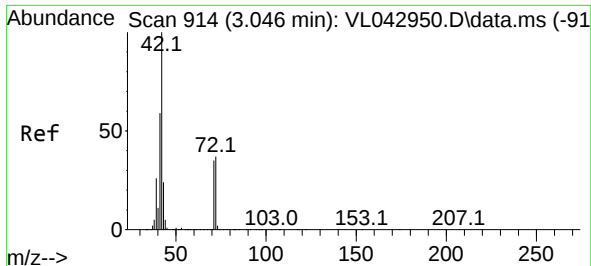
88 100

58 74.9 59.7 89.5

43 34.5 28.9 43.3

57 0.0 0.0 0.0

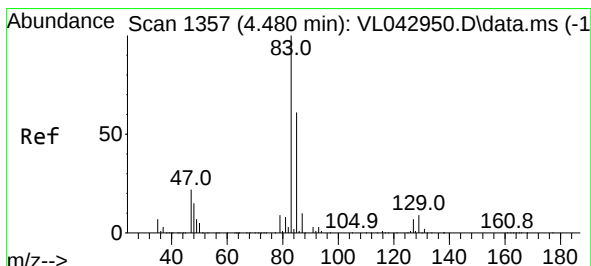
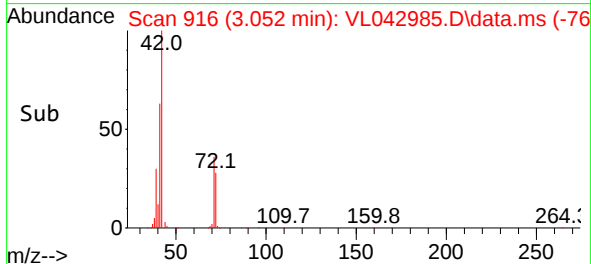
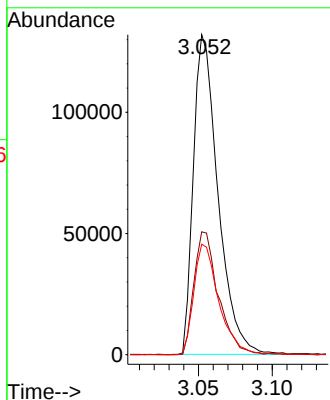
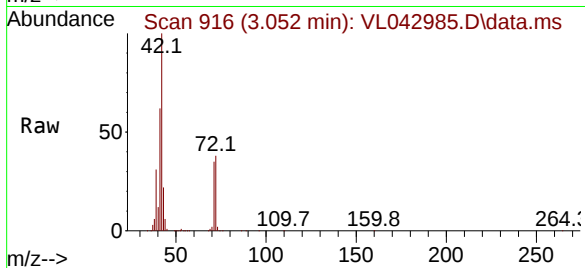




#41
Tetrahydrofuran
Concen: 9.479 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

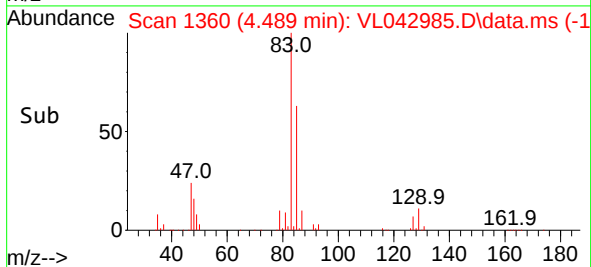
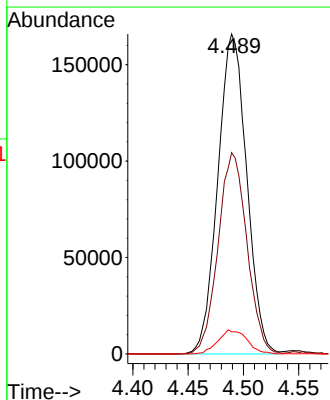
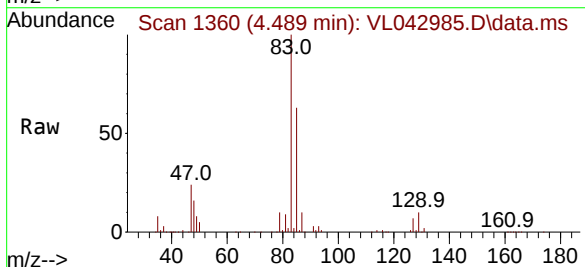
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

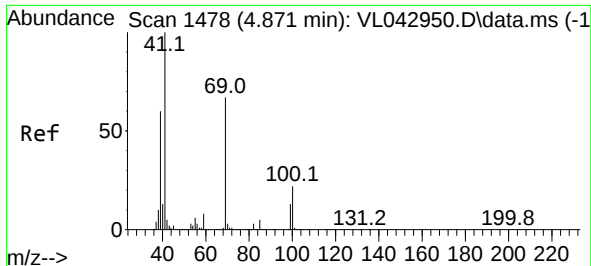
Tgt Ion: 42 Resp: 153071
Ion Ratio Lower Upper
42 100
72 38.4 30.0 45.0
71 35.3 28.8 43.2



#42
Bromodichloromethane
Concen: 10.937 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 83 Resp: 301564
Ion Ratio Lower Upper
83 100
85 62.9 49.0 73.6
127 6.9 5.3 7.9

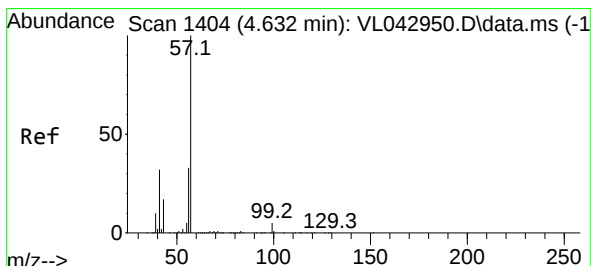
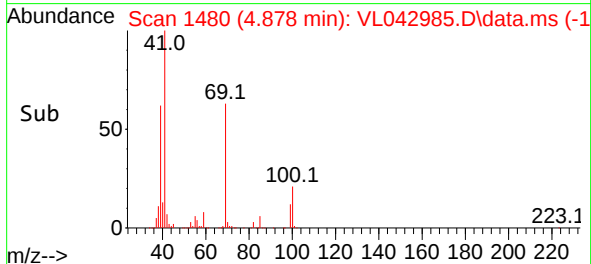
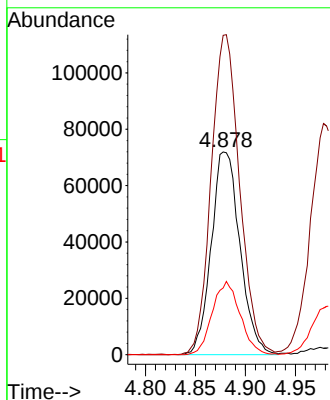
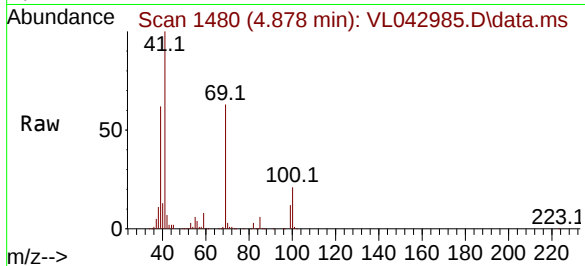




#43
Methyl Methacrylate
Concen: 9.338 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

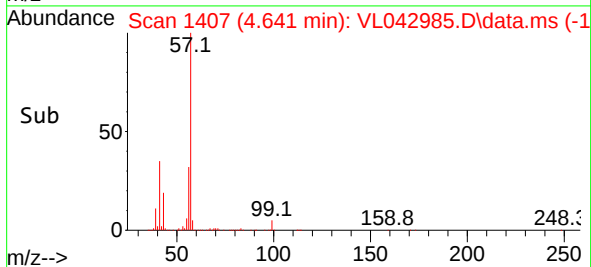
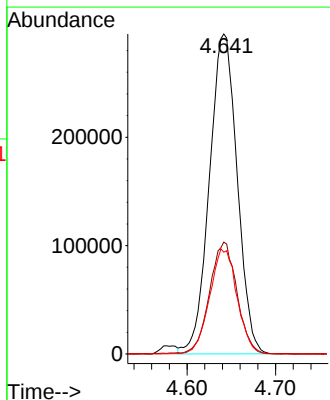
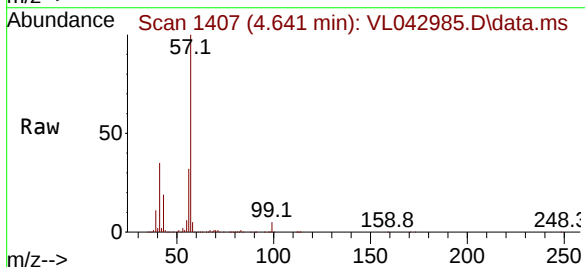
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

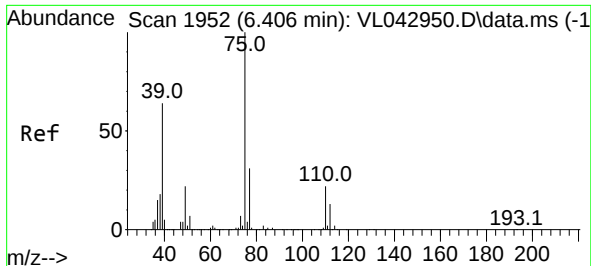
Tgt Ion: 69 Resp: 143822
Ion Ratio Lower Upper
69 100
41 156.2 124.5 186.7
100 35.0 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 9.907 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 57 Resp: 644168
Ion Ratio Lower Upper
57 100
41 34.9 25.5 38.3
56 32.4 25.8 38.8

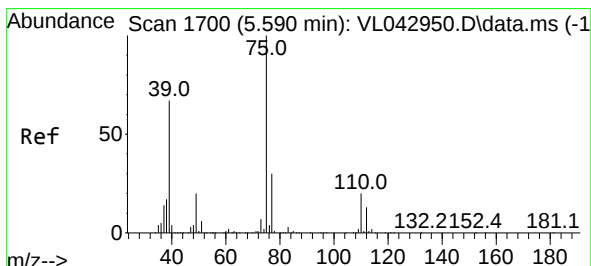
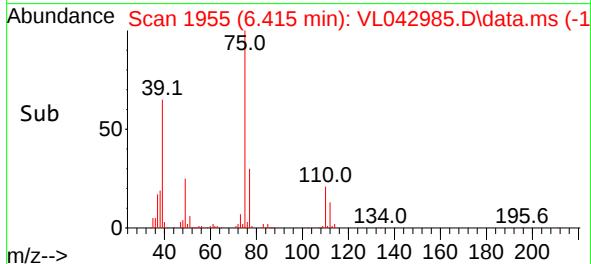
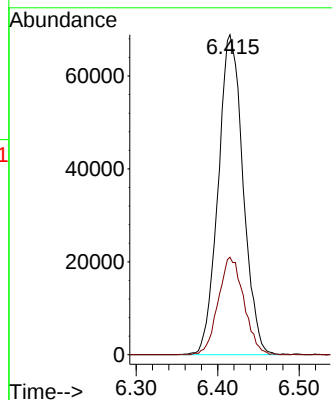
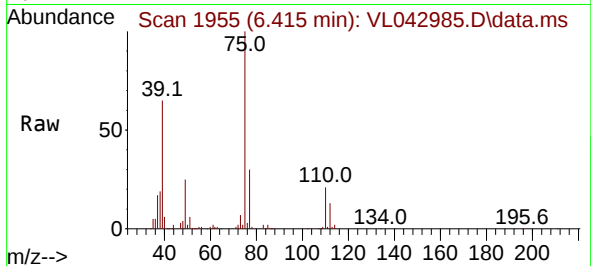




#45
 t-1,3-Dichloropropene
 Concen: 8.913 ppbv
 RT: 6.415 min Scan# 1955
 Delta R.T. 0.009 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

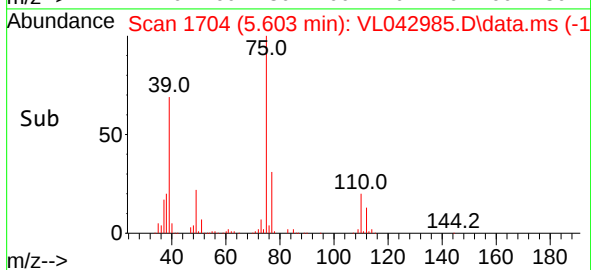
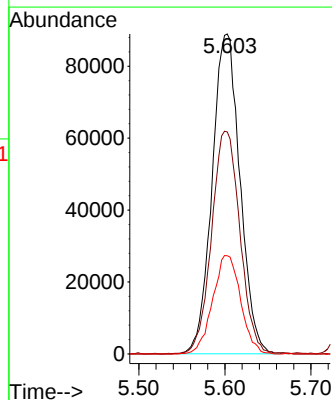
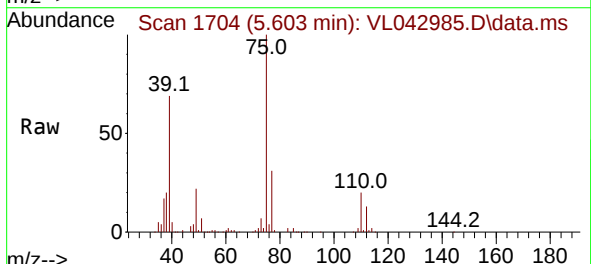
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

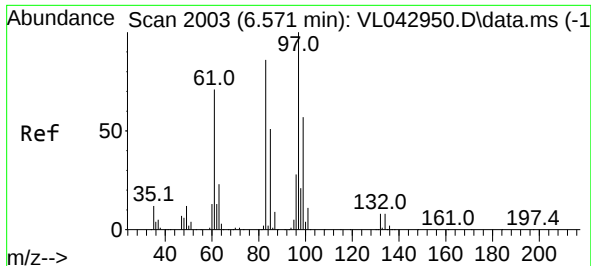
Tgt Ion: 75 Resp: 146403
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 9.548 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. 0.013 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

Tgt Ion: 75 Resp: 199882
 Ion Ratio Lower Upper
 75 100
 39 69.2 53.8 80.6
 77 30.7 23.6 35.4

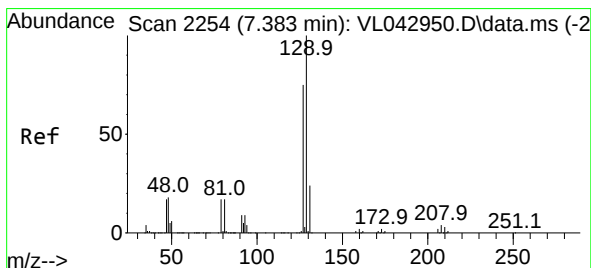
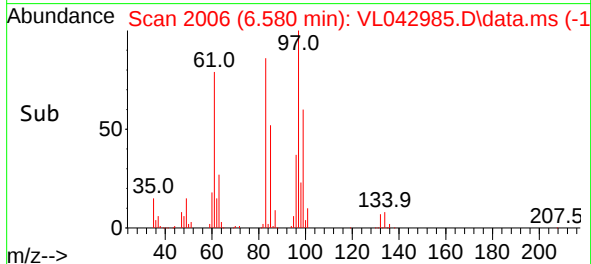
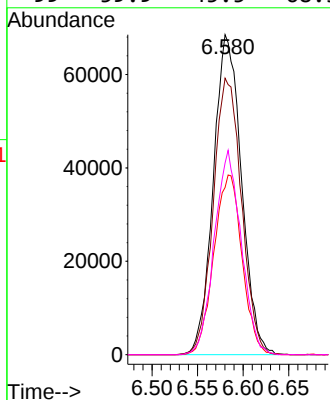
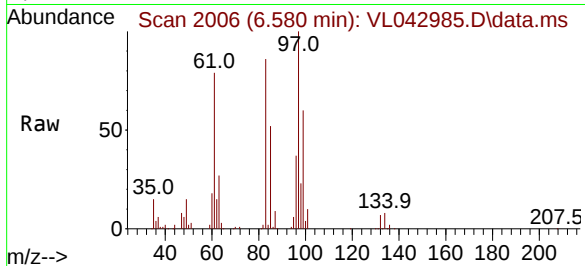




#47
1,1,2-Trichloroethane
Concen: 10.114 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

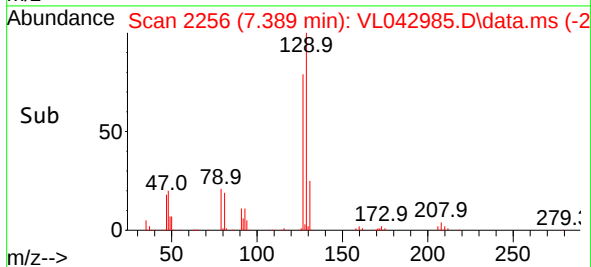
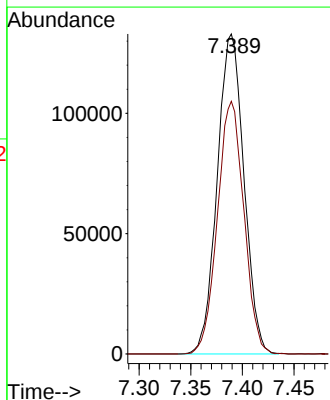
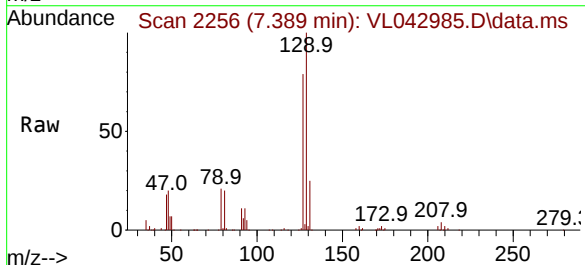
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

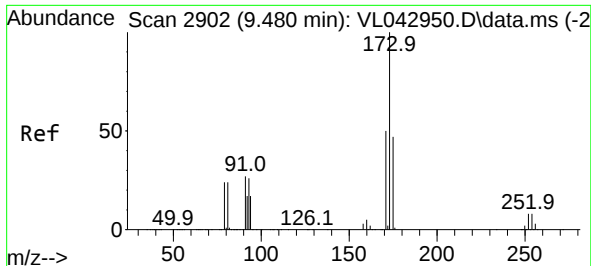
Tgt Ion: 97 Resp: 146862
Ion Ratio Lower Upper
97 100
83 86.3 68.7 103.1
85 52.2 40.6 60.8
99 59.9 45.5 68.3



#48
Dibromochloromethane
Concen: 10.315 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 129 Resp: 239646
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2

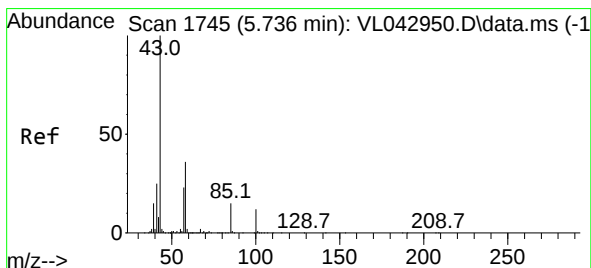
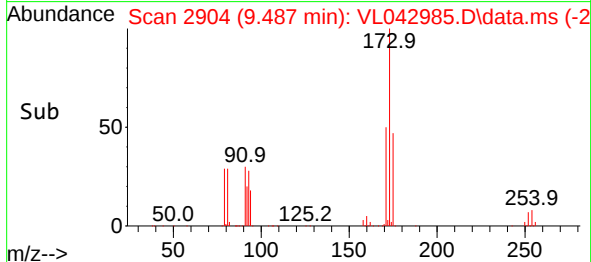
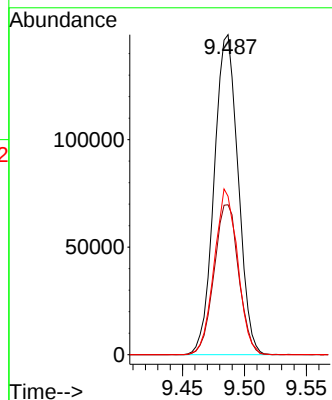
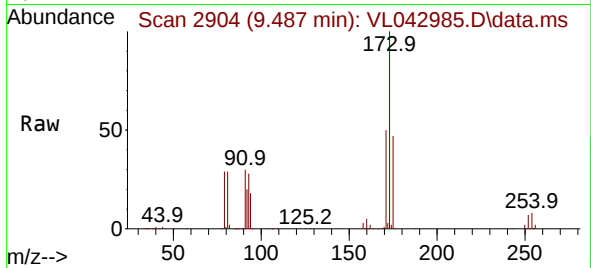




#49
Bromoform
Concen: 9.920 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

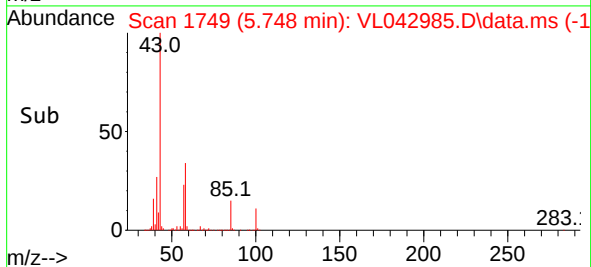
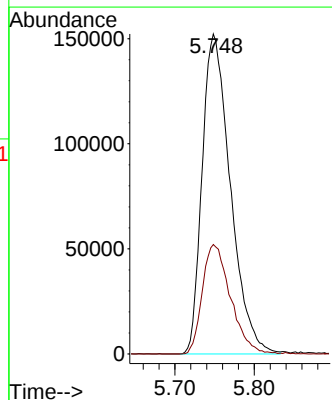
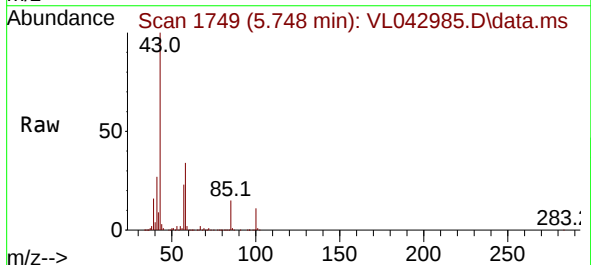
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

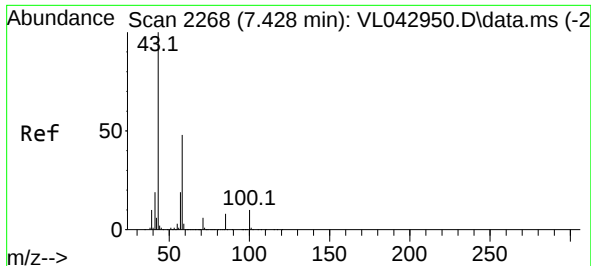
Tgt Ion:173 Resp: 200469
Ion Ratio Lower Upper
173 100
175 48.2 37.9 56.9
171 50.7 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 9.994 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.013 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 43 Resp: 376317
Ion Ratio Lower Upper
43 100
58 34.2 28.4 42.6

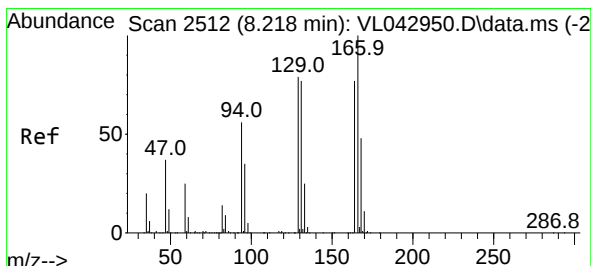
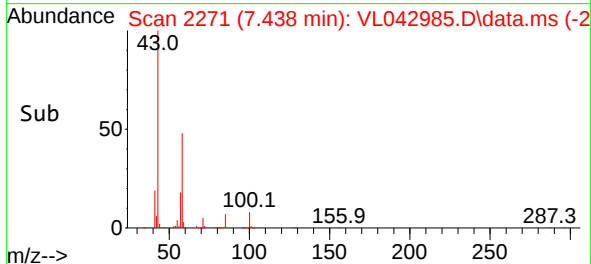
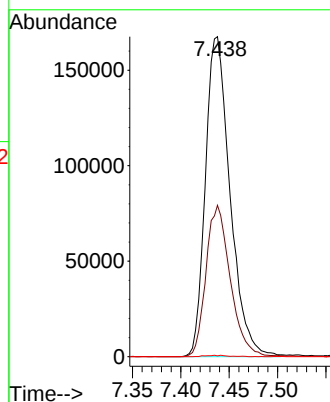
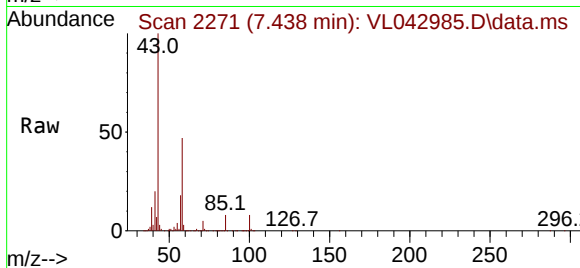




#51
2-Hexanone
Concen: 9.888 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

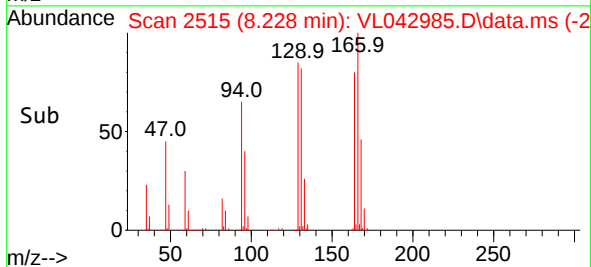
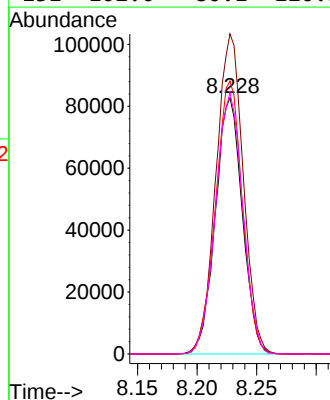
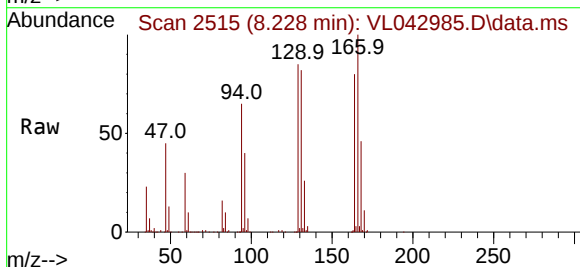
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

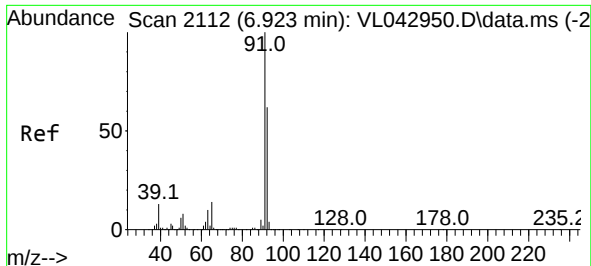
Tgt Ion: 43 Resp: 296793
Ion Ratio Lower Upper
43 100
58 46.7 39.7 59.5
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.917 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion:164 Resp: 129889
Ion Ratio Lower Upper
164 100
166 124.8 103.5 155.3
129 106.6 82.2 123.4
131 102.0 80.1 120.1

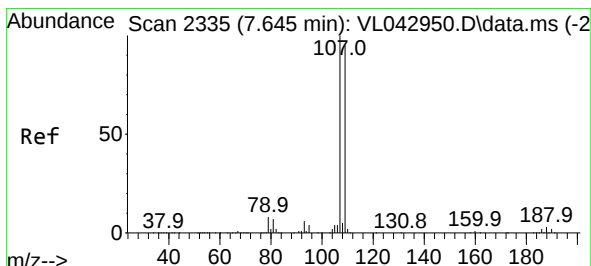
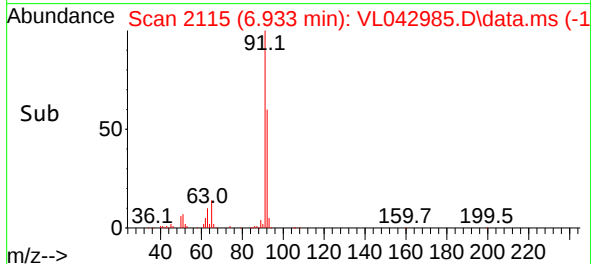
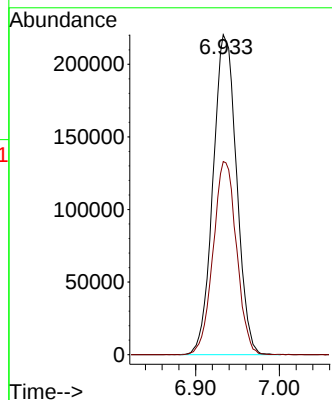
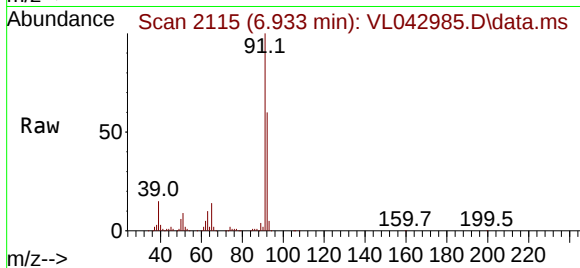




#53
Toluene
Concen: 9.647 ppbv
RT: 6.933 min Scan# 2112
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

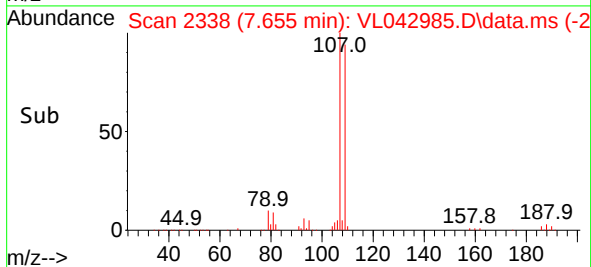
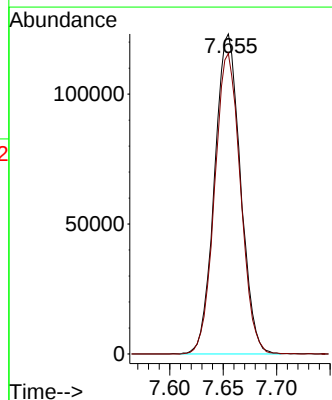
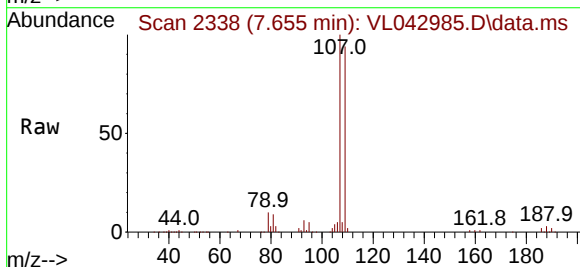
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

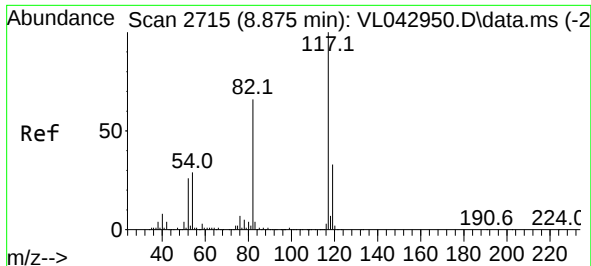
Tgt Ion: 91 Resp: 429817
Ion Ratio Lower Upper
91 100
92 60.0 48.2 72.2



#54
1,2-Dibromoethane
Concen: 10.155 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 107 Resp: 207545
Ion Ratio Lower Upper
107 100
109 93.9 75.8 113.8

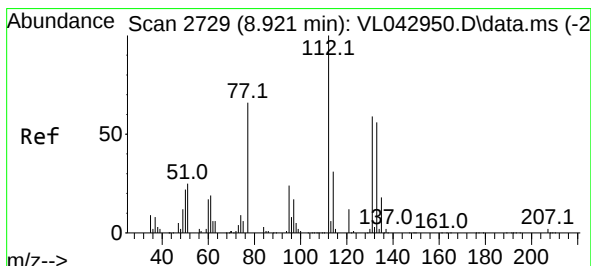
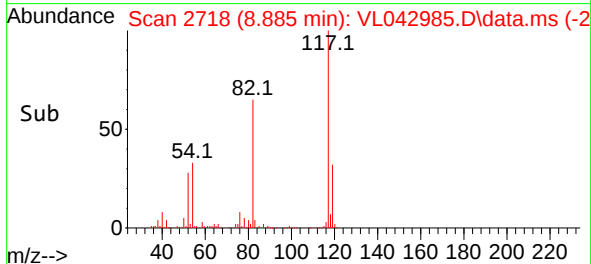
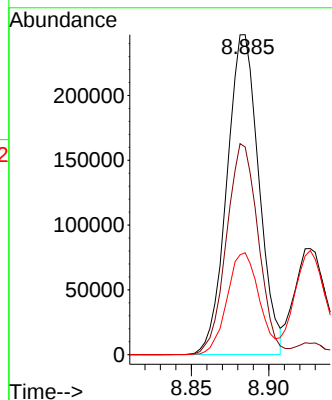
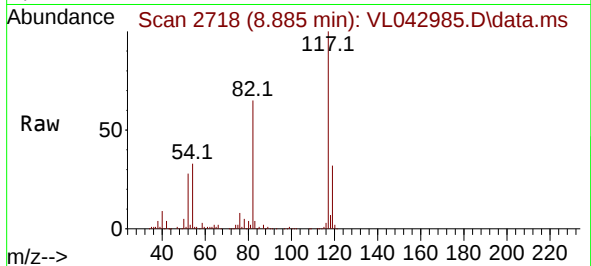




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2715
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

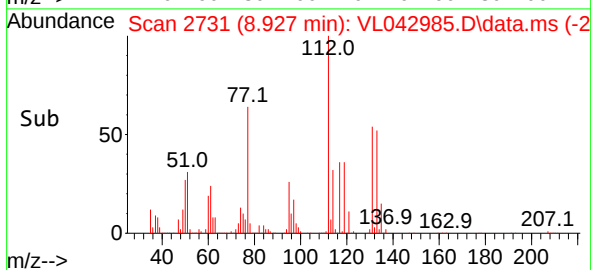
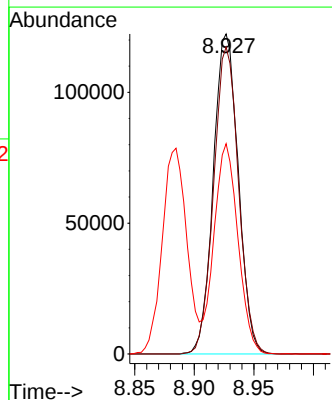
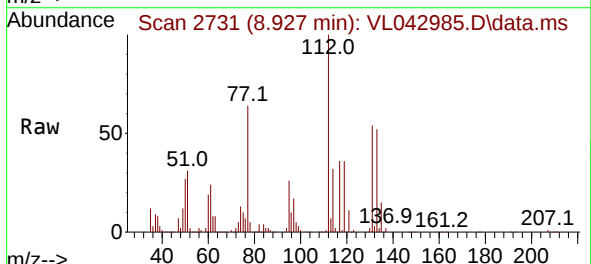
Instrument :
MSVOA_1
ClientSampleId :
VL0923ABS01

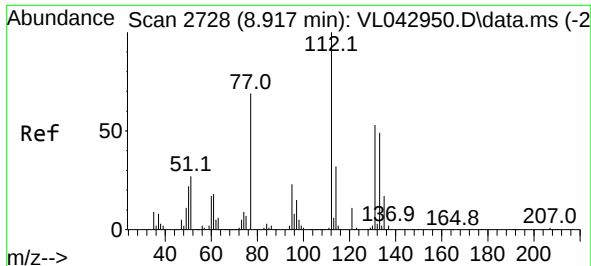
Tgt Ion:117 Resp: 355060
Ion Ratio Lower Upper
117 100
82 69.2 52.8 79.2
119 32.0 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 10.479 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion:131 Resp: 178090
Ion Ratio Lower Upper
131 100
133 95.7 76.6 114.8
119 63.5 49.9 74.9

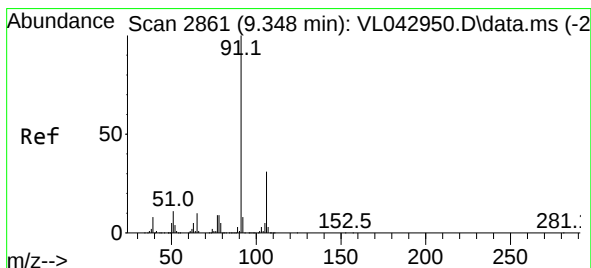
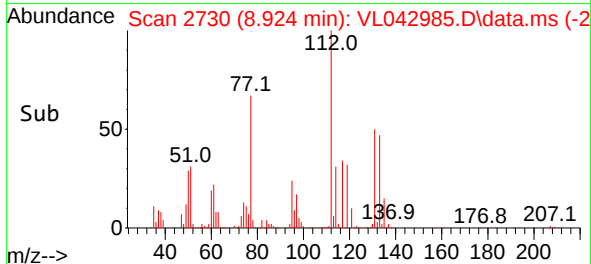
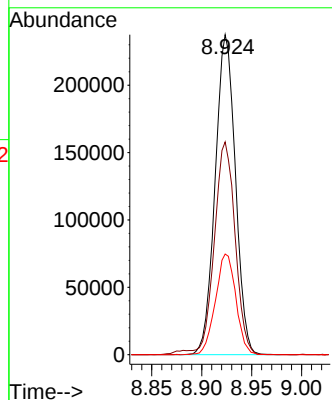
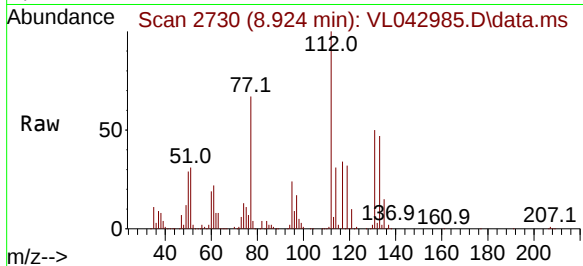




#57
Chlorobenzene
Concen: 10.326 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

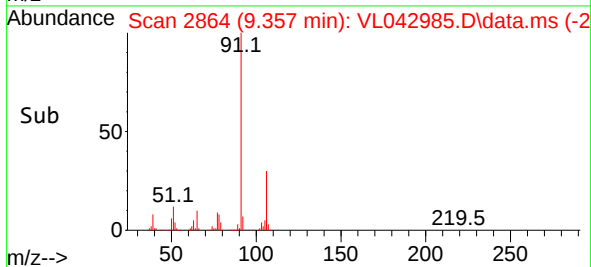
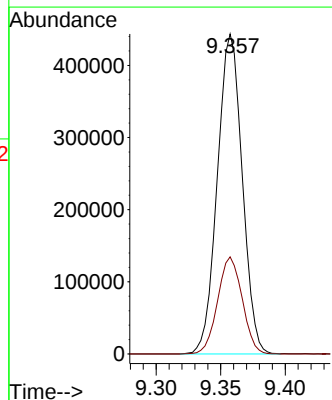
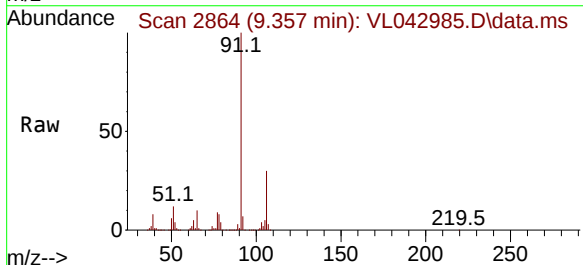
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

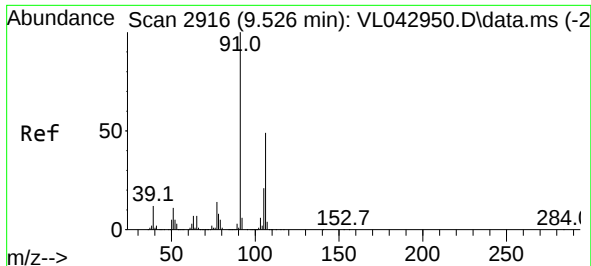
Tgt Ion:112 Resp: 334709
Ion Ratio Lower Upper
112 100
77 66.5 55.7 83.5
114 31.5 28.6 35.0



#58
Ethyl Benzene
Concen: 10.192 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 91 Resp: 594235
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0

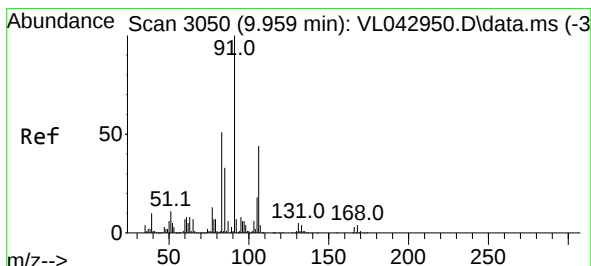
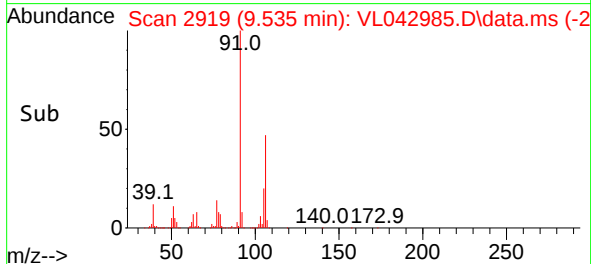
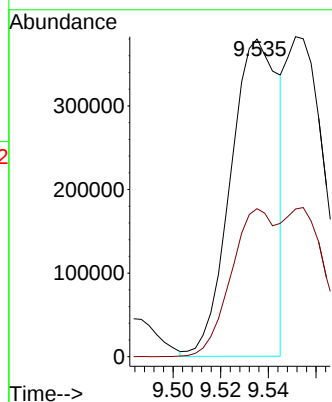
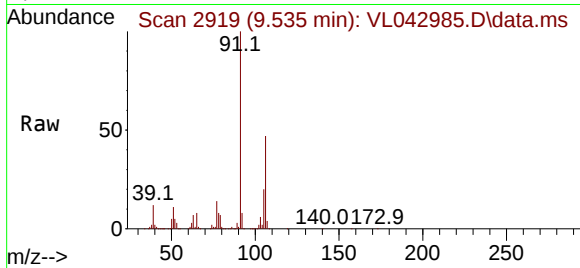




#59
m/p-Xylene
Concen: 11.518 ppbv
RT: 9.535 min Scan# 2916
Delta R.T. 0.009 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

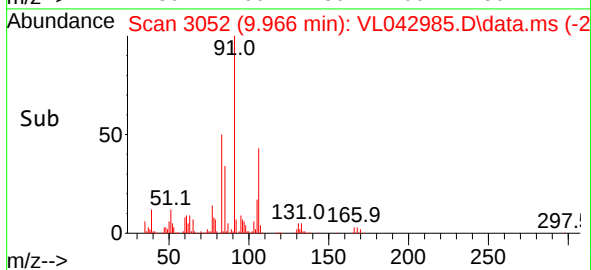
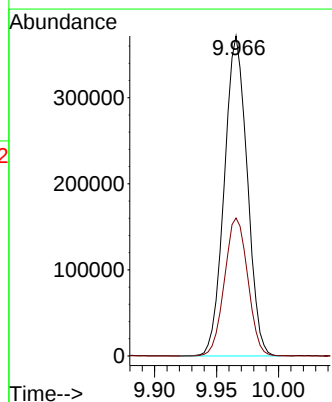
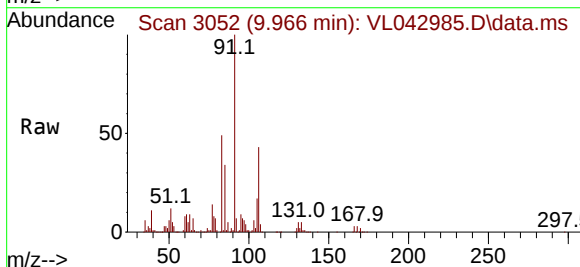
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

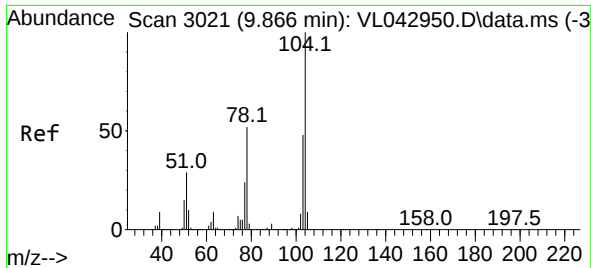
Tgt Ion: 91 Resp: 529432
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 10.416 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 91 Resp: 478503
Ion Ratio Lower Upper
91 100
106 43.9 22.4 67.0

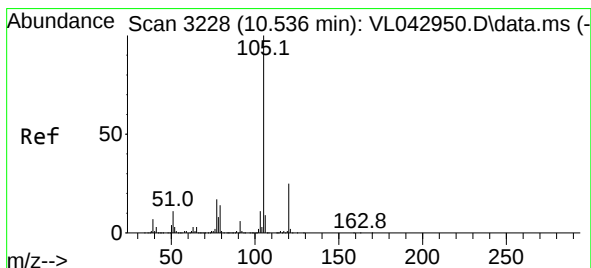
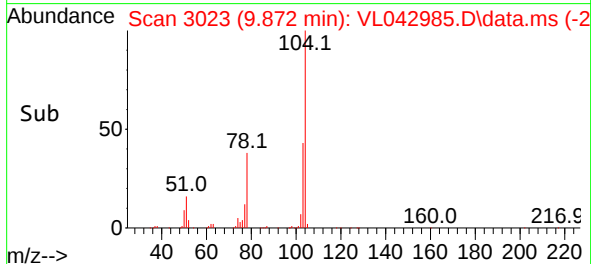
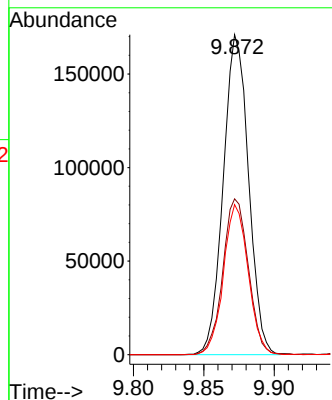
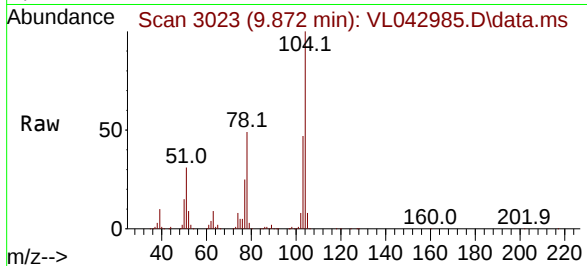




#61
Styrene
Concen: 9.846 ppbv
RT: 9.872 min Scan# 3021
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

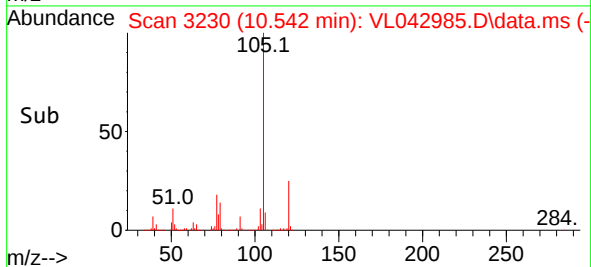
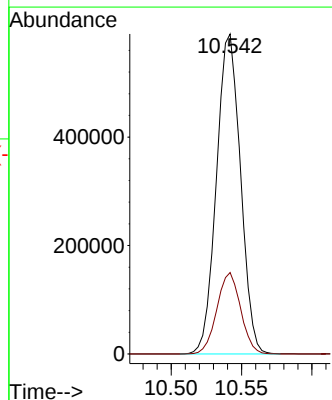
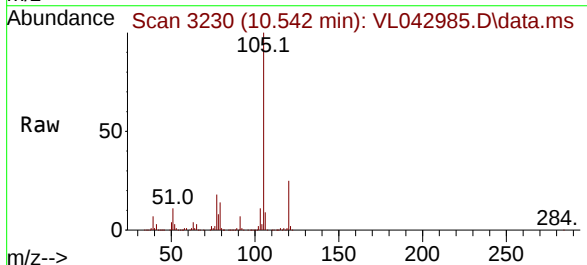
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

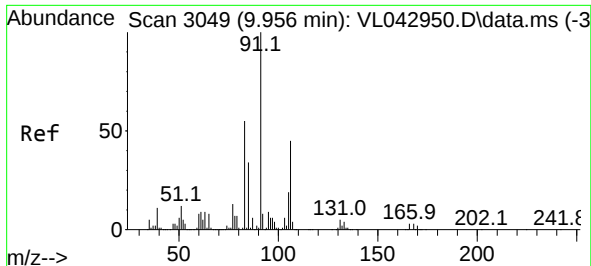
Tgt Ion:104 Resp: 213951
Ion Ratio Lower Upper
104 100
78 49.4 39.9 59.9
103 45.9 36.9 55.3



#62
Isopropylbenzene
Concen: 10.237 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion:105 Resp: 701023
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.192 ppbv

RT: 9.962 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_1

ClientSampleId :

VL0923ABS01

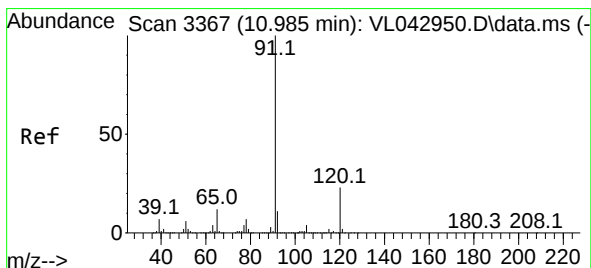
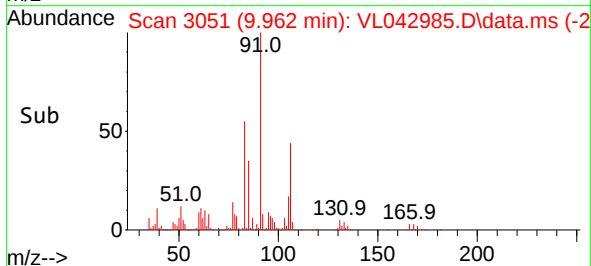
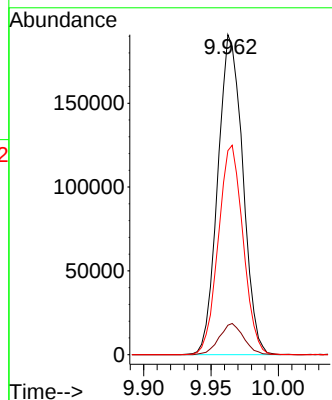
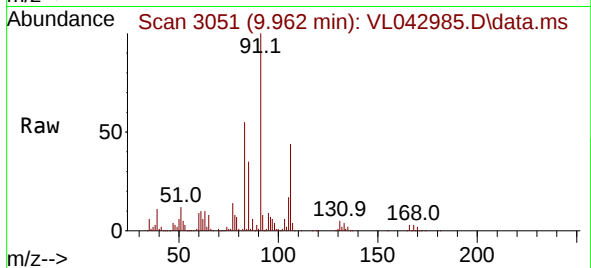
Tgt Ion: 83 Resp: 246097

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 64.9 32.2 96.6



#64

n-propylbenzene

Concen: 10.207 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.006 min

Lab File: VL042985.D

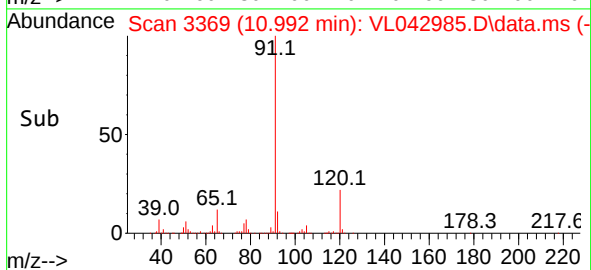
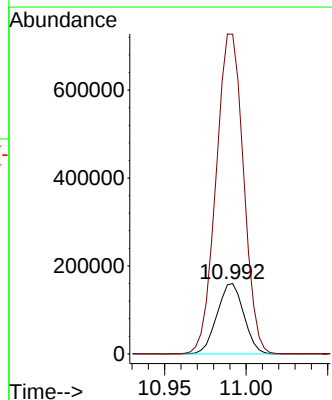
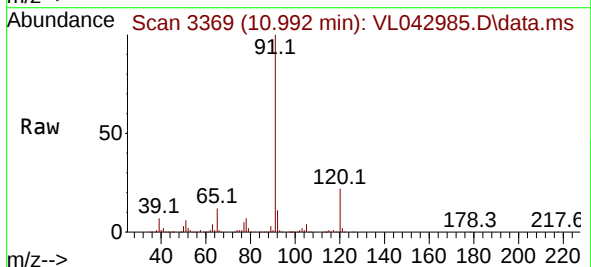
Acq: 23 Sep 2025 10:46

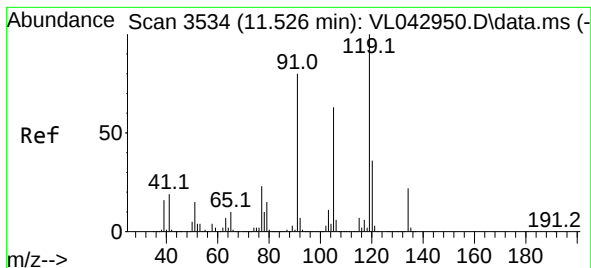
Tgt Ion:120 Resp: 182650

Ion Ratio Lower Upper

120 100

91 466.6 364.9 547.3





#65

tert-Butylbenzene

Concen: 10.146 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

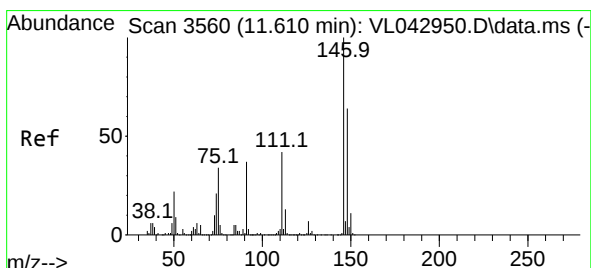
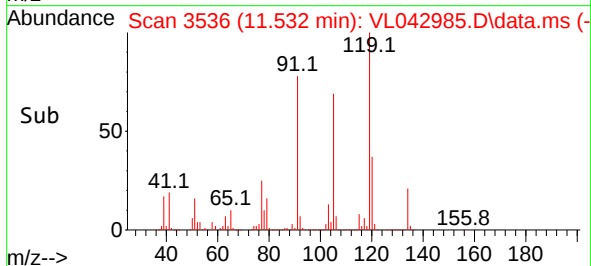
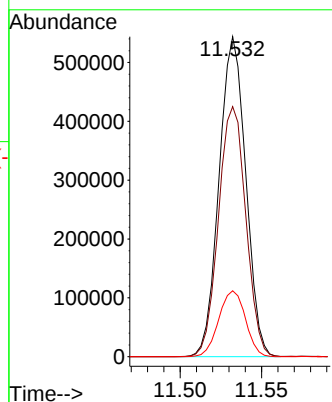
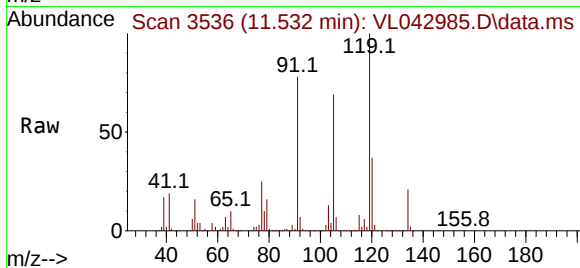
Tgt Ion:119 Resp: 617982

Ion Ratio Lower Upper

119 100

91 80.2 63.1 94.7

134 20.7 17.0 25.6



#66

Benzyl Chloride

Concen: 5.932 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

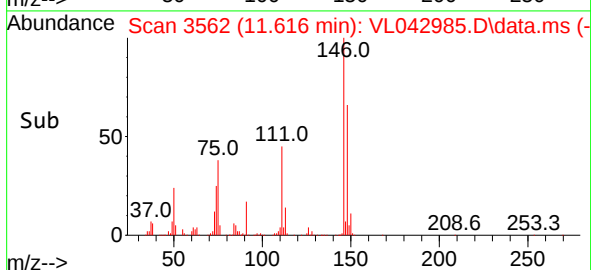
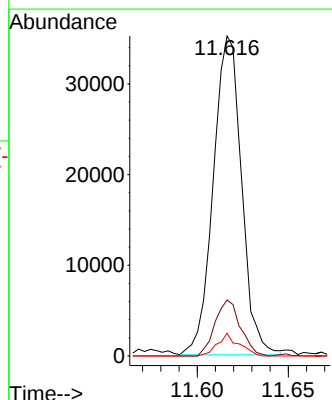
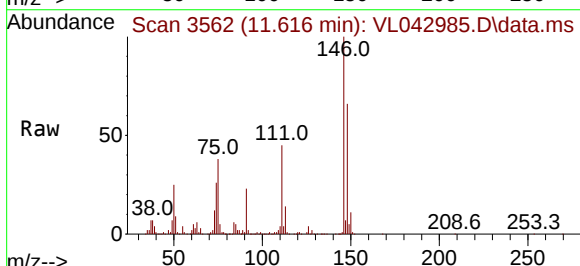
Tgt Ion: 91 Resp: 37909

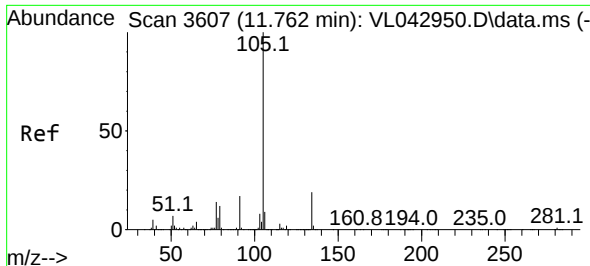
Ion Ratio Lower Upper

91 100

126 16.0 14.6 21.8

128 5.3 5.0 7.4

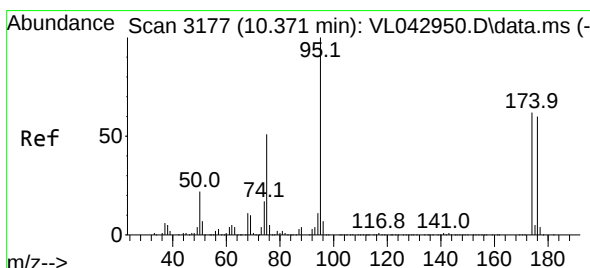
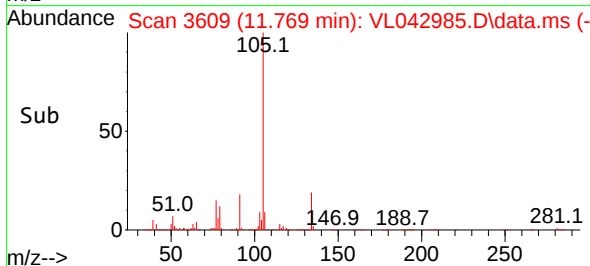
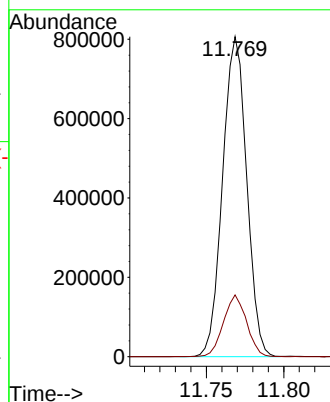
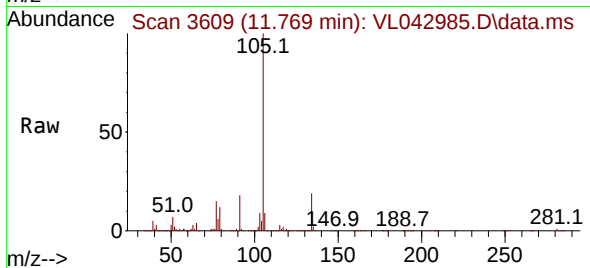




#67
 sec-Butylbenzene
 Concen: 10.261 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

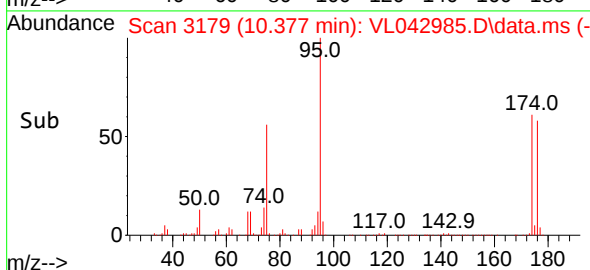
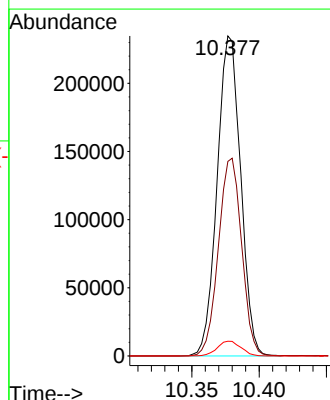
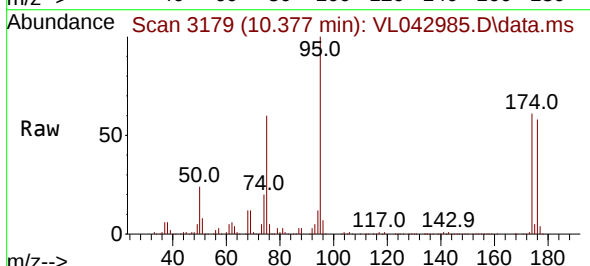
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

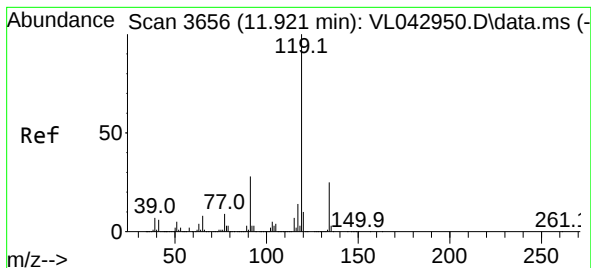
Tgt Ion:105 Resp: 870866
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.757 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042985.D
 Acq: 23 Sep 2025 10:46

Tgt Ion: 95 Resp: 285118
 Ion Ratio Lower Upper
 95 100
 174 61.1 51.4 77.2
 175 4.7 4.0 6.0

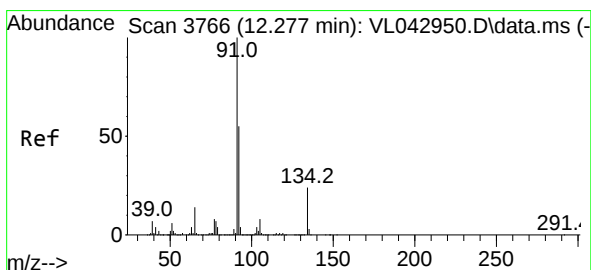
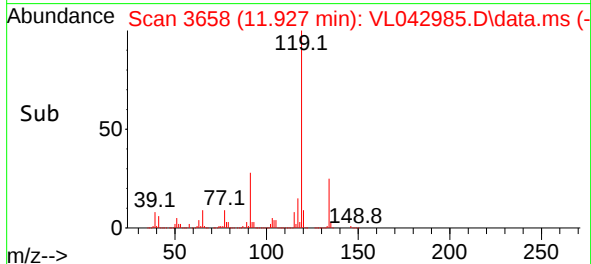
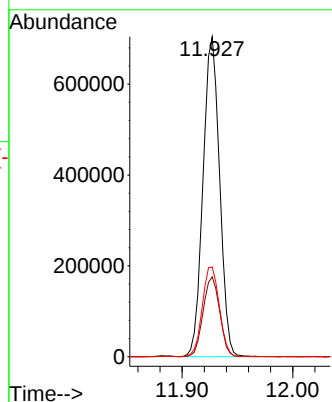
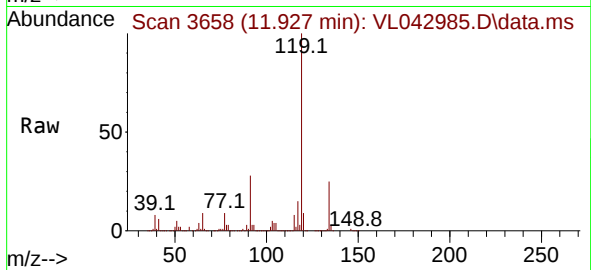




#69
p-Isopropyltoluene
Concen: 10.209 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

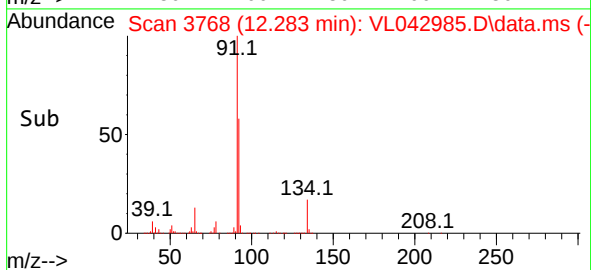
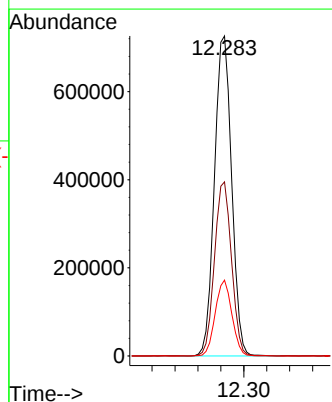
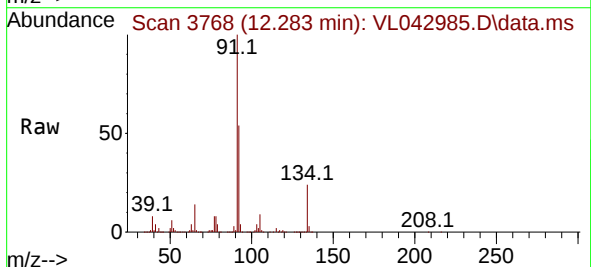
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

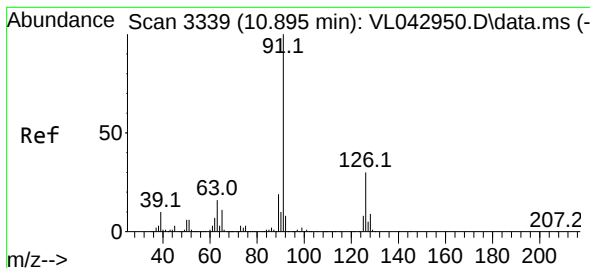
Tgt Ion:119 Resp: 731903
Ion Ratio Lower Upper
119 100
134 25.0 21.0 31.4
91 29.0 22.3 33.5



#70
n-Butylbenzene
Concen: 10.795 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 91 Resp: 755608
Ion Ratio Lower Upper
91 100
92 54.0 44.0 66.0
134 23.0 19.4 29.2

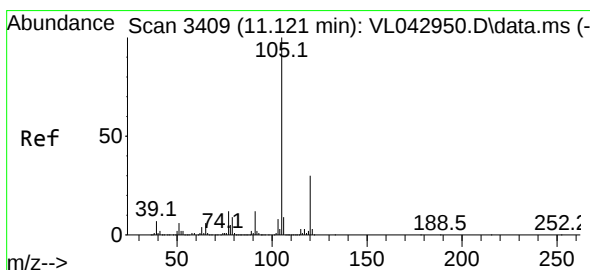
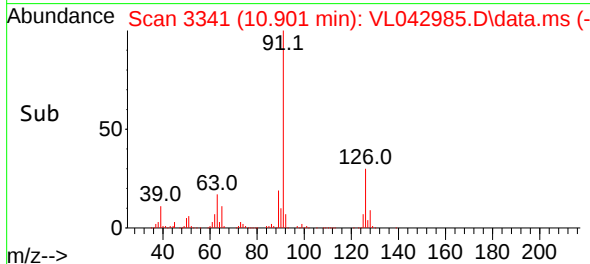
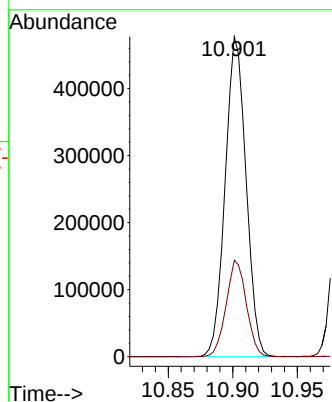
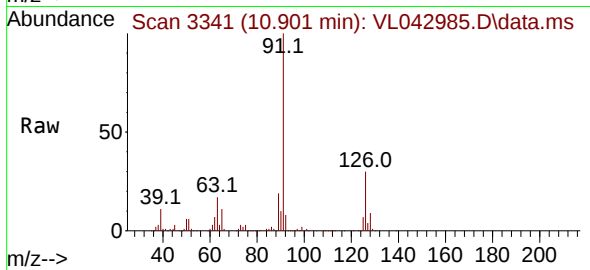




#71
2-Chlorotoluene
Concen: 10.370 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

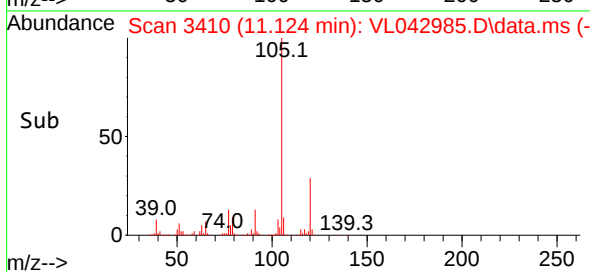
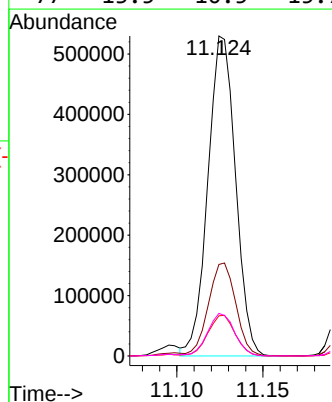
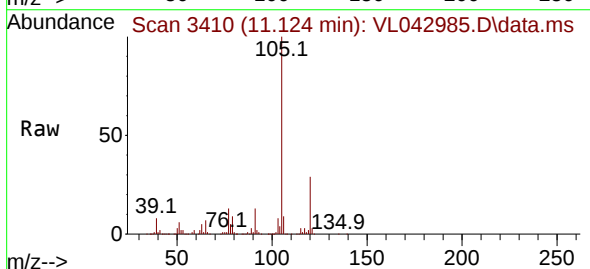
Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

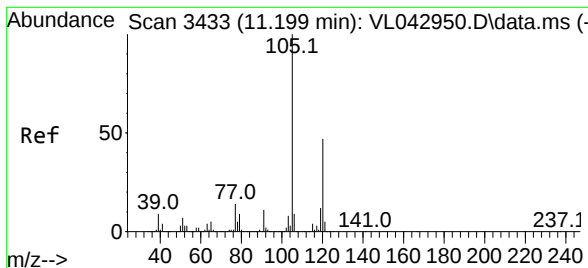
Tgt Ion: 91 Resp: 536204
Ion Ratio Lower Upper
91 100
126 29.2 12.3 49.3



#72
4-Ethyltoluene
Concen: 10.283 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042985.D
Acq: 23 Sep 2025 10:46

Tgt Ion: 105 Resp: 591673
Ion Ratio Lower Upper
105 100
120 29.7 24.2 36.2
91 12.9 10.0 15.0
77 13.5 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 10.461 ppbv

RT: 11.205 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

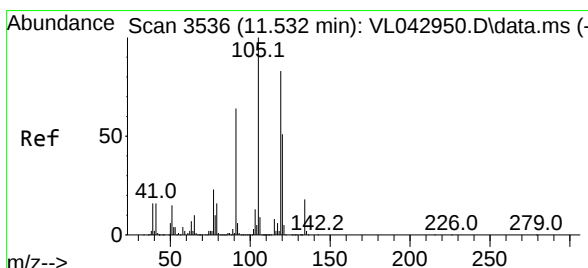
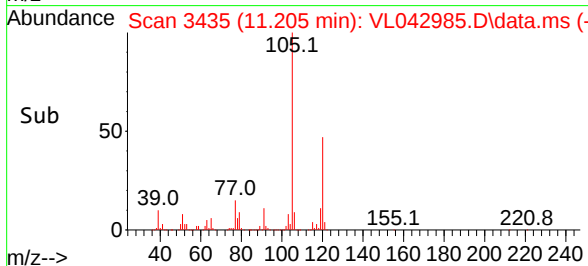
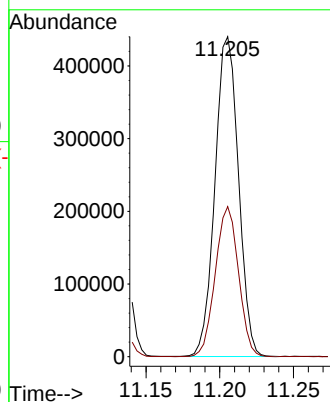
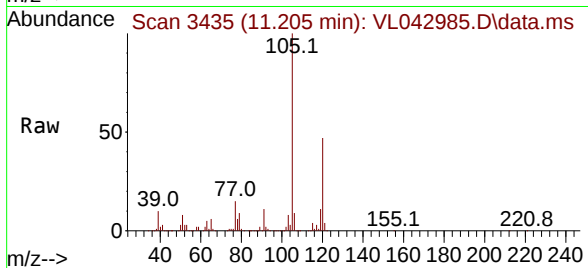
VL0923ABS01

Tgt Ion:105 Resp: 488186

Ion Ratio Lower Upper

105 100

120 46.9 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 10.434 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Tgt Ion:105 Resp: 537697

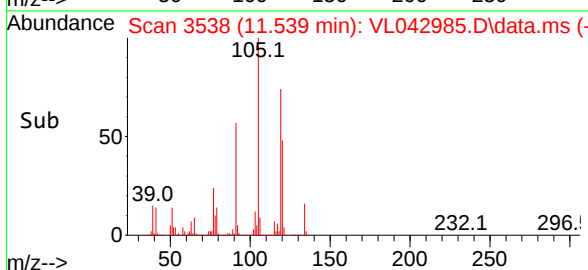
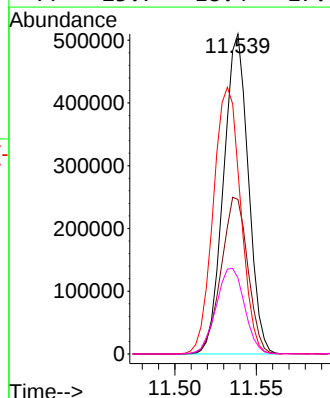
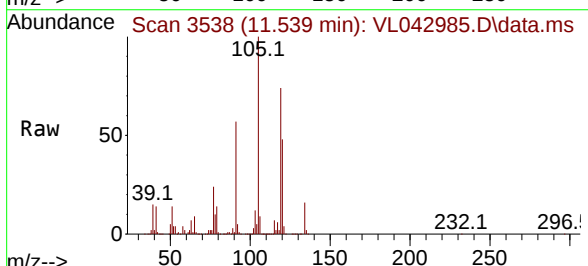
Ion Ratio Lower Upper

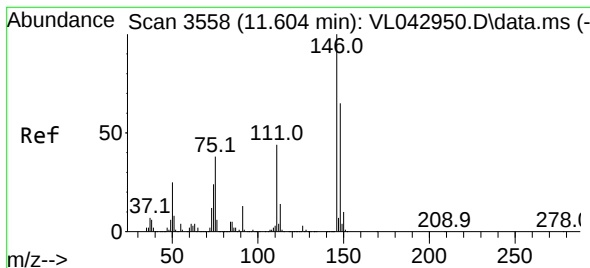
105 100

120 48.3 40.9 61.3

91 57.3 51.2 76.8

77 23.7 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 10.013 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

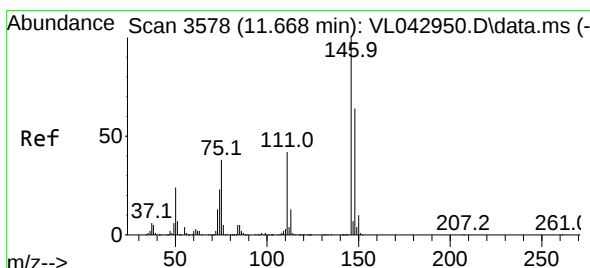
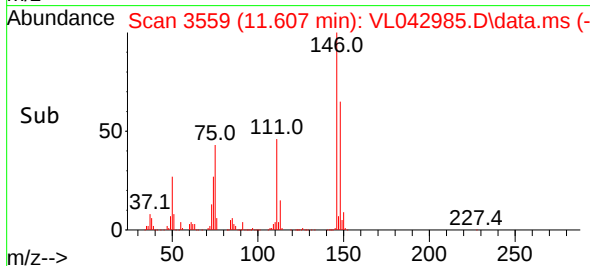
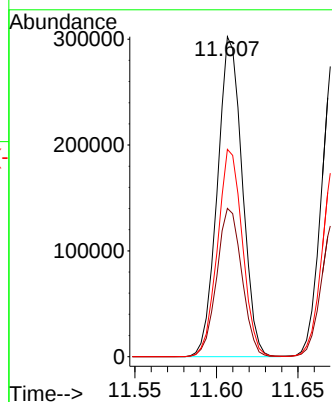
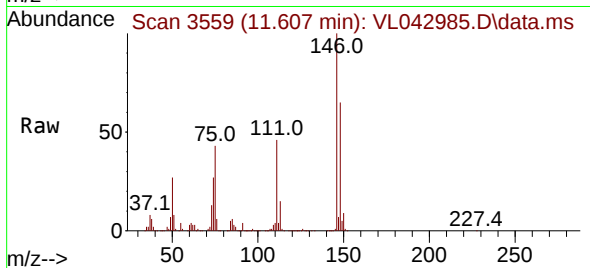
Tgt Ion:146 Resp: 320019

Ion Ratio Lower Upper

146 100

111 46.9 22.3 66.9

148 64.9 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 10.250 ppbv

RT: 11.671 min Scan# 3579

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

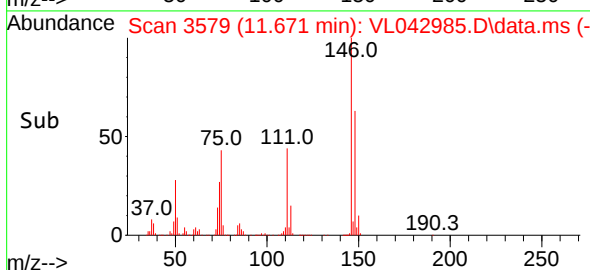
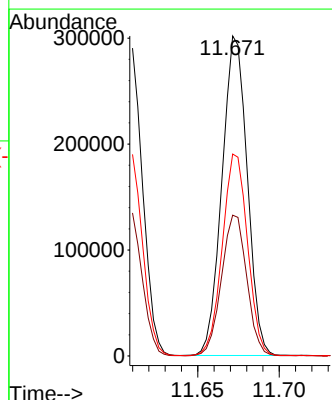
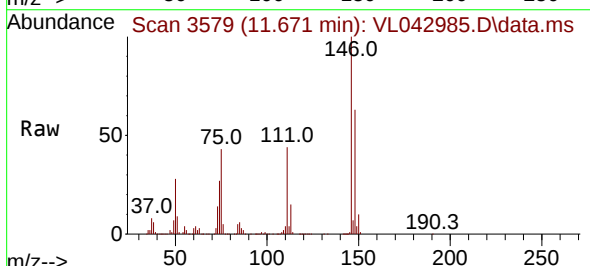
Tgt Ion:146 Resp: 325338

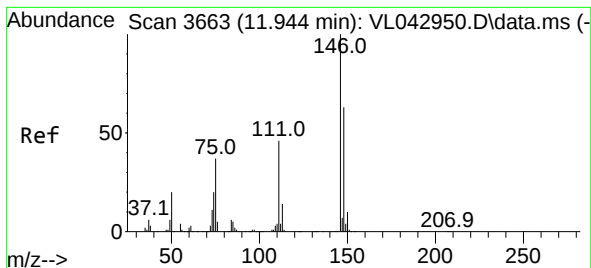
Ion Ratio Lower Upper

146 100

111 44.3 21.5 64.5

148 63.6 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 10.302 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

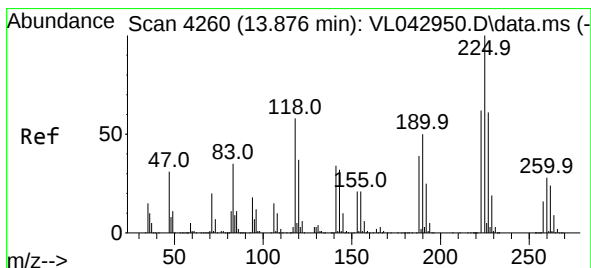
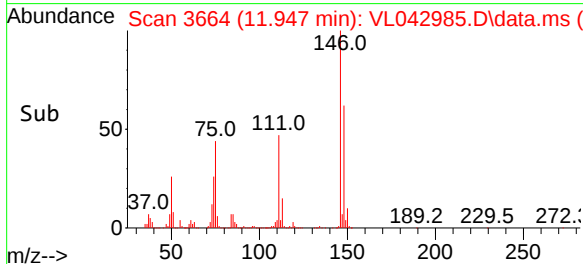
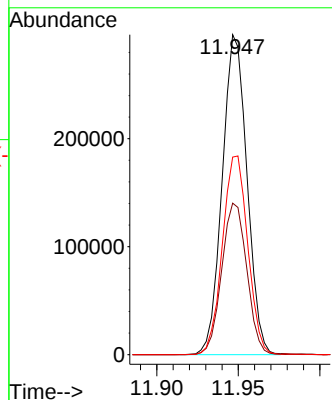
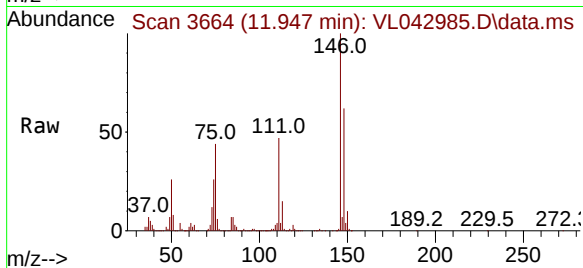
Tgt Ion:146 Resp: 313262

Ion Ratio Lower Upper

146 100

111 48.1 23.1 69.3

148 63.7 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.972 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

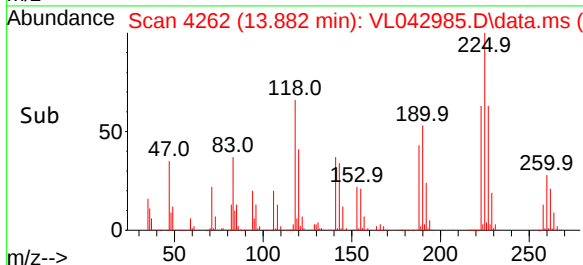
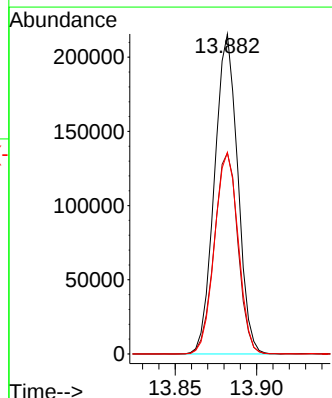
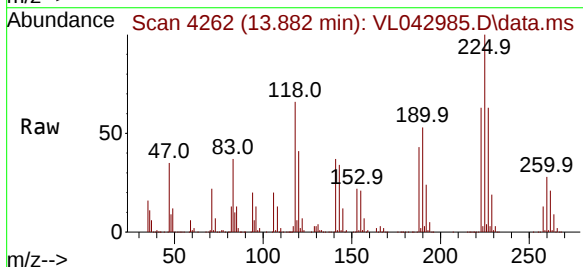
Tgt Ion:225 Resp: 213384

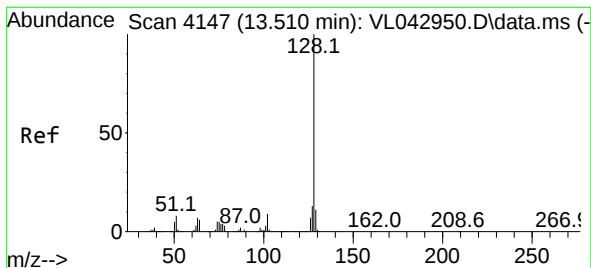
Ion Ratio Lower Upper

225 100

223 63.9 50.1 75.1

227 64.0 50.4 75.6





#79

Naphthalene

Concen: 10.799 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

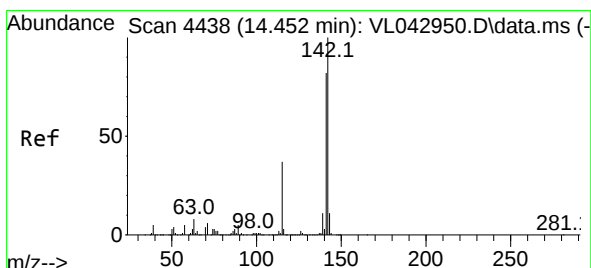
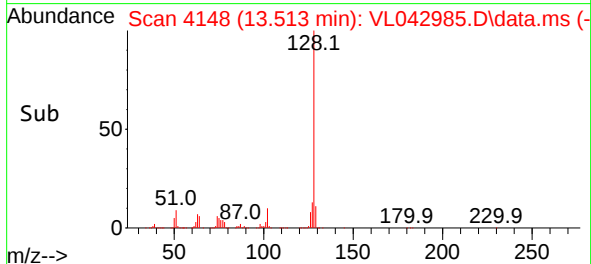
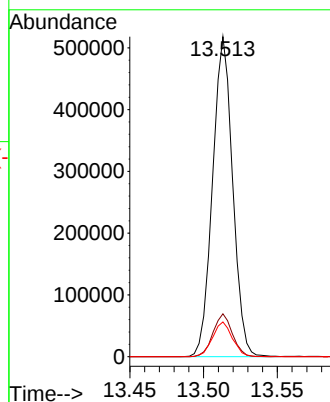
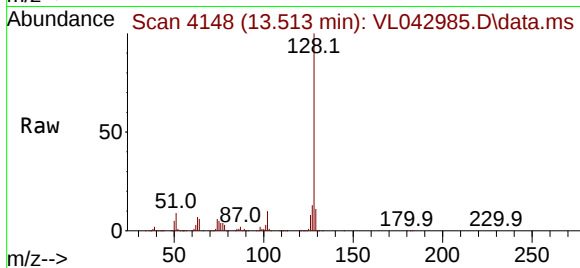
Tgt Ion:128 Resp: 492107

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.9 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 9.227 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL042985.D

Acq: 23 Sep 2025 10:46

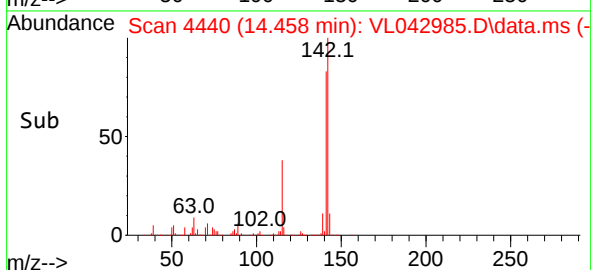
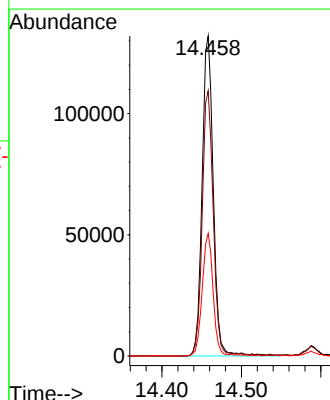
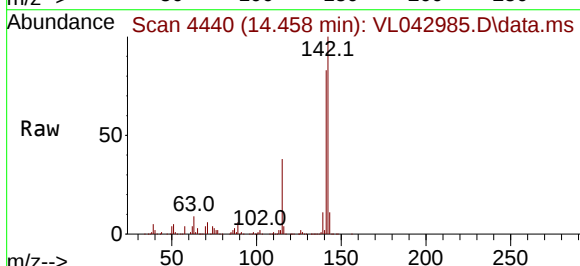
Tgt Ion:142 Resp: 129885

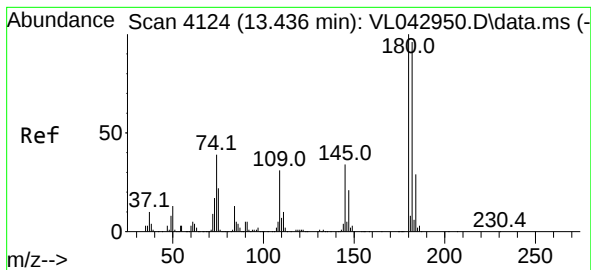
Ion Ratio Lower Upper

142 100

141 82.5 65.1 97.7

115 37.6 28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 10.592 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042985.D

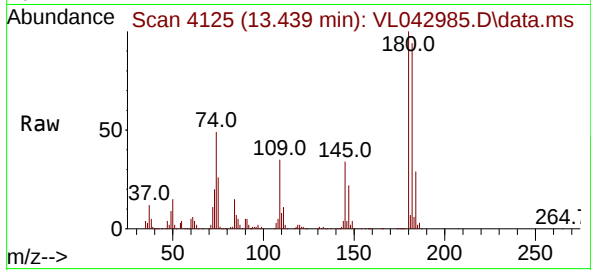
Acq: 23 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01



Tgt Ion:180 Resp: 258061

Ion Ratio Lower Upper

180 100

182 94.0 75.7 113.5

184 30.1 23.9 35.9

