

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043001.D
 Acq On : 24 Sep 2025 09:03
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Sep 25 01:50:59 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	149118	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	443016	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	402155	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	310628	10.347	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	218810	10.909	ppbv	97
3) Chlorodifluoromethane	1.476	51	253996	10.161	ppbv	97
4) Chloromethane	1.534	50	88250	9.721	ppbv	99
5) Vinyl Chloride	1.580	62	78198	9.528	ppbv	99
6) Bromomethane	1.670	94	29578	10.217	ppbv	97
7) Chloroethane	1.706	64	31093	9.757	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	181307	10.590	ppbv	92
9) Propene	1.486	41	92063	8.466	ppbv	95
10) Heptane	4.981	43	270509	9.321	ppbv	98
11) Trichlorofluoromethane	1.877	101	222394	11.500	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	176746	11.286	ppbv	90
13) Ethanol	1.722	45	6741	6.390	ppbv	98
14) Bromoethene	1.784	108	64377	10.873	ppbv	99
15) Acetone	1.835	43	163452	8.416	ppbv	97
16) 1,3-Butadiene	1.609	39	82946	9.054	ppbv	98
17) tert-Butyl alcohol	2.039	59	184718	8.671	ppbv	100
18) 1,1-Dichloroethene	2.036	96	76697	10.581	ppbv	94
19) Isopropyl Alcohol	1.887	45	107156	9.178	ppbv	98
20) Methylene Chloride	2.062	84	67323	11.743	ppbv	95
21) Allyl Chloride	2.098	41	131981	9.758	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	87807	10.660	ppbv	97
23) Vinyl Acetate	2.463	43	253068	9.121	ppbv	98
24) 1,1-Dichloroethane	2.411	63	167093	10.345	ppbv	97
25) Ethyl Acetate	2.835	43	473289	9.642	ppbv	99
26) Hexane	2.829	57	208408	9.314	ppbv	98
27) Carbon Disulfide	2.153	76	204123	10.171	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	114764	9.867	ppbv	93
29) Chloroform	2.848	83	326560	11.162	ppbv	98
30) Cyclohexane	3.858	84	179991	9.621	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	205449	9.802	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	320054	10.128	ppbv	99
34) 2-Butanone	2.557	43	307139	9.892	ppbv	99
35) Carbon Tetrachloride	3.764	117	346777	12.023	ppbv	97
36) Benzene	3.658	78	421500	10.132	ppbv	98
37) 1,2-Dichloroethane	3.217	62	244248	11.163	ppbv	98
38) Trichloroethene	4.551	130	215317	10.414	ppbv	97
39) 1,2-Dichloropropane	4.318	63	157562	10.375	ppbv	95
40) 1,4-Dioxane	4.580	88	67174	9.512	ppbv #	99
41) Tetrahydrofuran	3.056	42	168708	9.453	ppbv	100
42) Bromodichloromethane	4.493	83	346597	11.374	ppbv	96
43) Methyl Methacrylate	4.884	69	156524	9.196	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	718720	10.003	ppbv	98
45) t-1,3-Dichloropropene	6.418	75	166305	9.161	ppbv	96

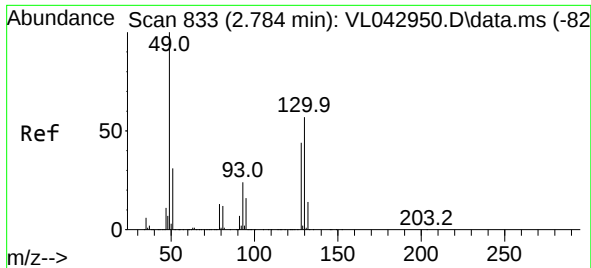
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043001.D
 Acq On : 24 Sep 2025 09:03
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 25 01:50:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	219958	9.507	ppbv	97
47) 1,1,2-Trichloroethane	6.583	97	171612	10.694	ppbv	94
48) Dibromochloromethane	7.393	129	301861	11.758	ppbv	100
49) Bromoform	9.487	173	277232	12.414	ppbv	98
50) 4-Methyl-2-Pentanone	5.748	43	411327	9.885	ppbv	98
51) 2-Hexanone	7.438	43	328162	9.893	ppbv #	97
52) Tetrachloroethene	8.231	164	172805	10.736	ppbv	92
53) Toluene	6.936	91	488825	9.928	ppbv	99
54) 1,2-Dibromoethane	7.658	107	244249	10.814	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	227668	11.828	ppbv	99
57) Chlorobenzene	8.927	112	405460	11.044	ppbv	94
58) Ethyl Benzene	9.357	91	678909	10.281	ppbv	98
59) m/p-Xylene	9.555	91	1099527m	21.119	ppbv	
60) o-Xylene	9.966	91	560685	10.775	ppbv	100
61) Styrene	9.875	104	243153	9.879	ppbv	98
62) Isopropylbenzene	10.542	105	822171	10.600	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	292957	10.712	ppbv	100
64) n-propylbenzene	10.992	120	223909	11.048	ppbv	95
65) tert-Butylbenzene	11.532	119	756477	10.966	ppbv	97
66) Benzyl Chloride	11.616	91	45655	6.307	ppbv	99
67) sec-Butylbenzene	11.769	105	1040028	10.819	ppbv	99
69) p-Isopropyltoluene	11.927	119	901980	11.108	ppbv	99
70) n-Butylbenzene	12.283	91	875593	11.045	ppbv	99
71) 2-Chlorotoluene	10.904	91	612123	10.452	ppbv	98
72) 4-Ethyltoluene	11.128	105	699671	10.736	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	578371	10.943	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	646508	11.077	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	424219	11.719	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	422819	11.761	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	408711	11.867	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	345191	12.814	ppbv	100
79) Naphthalene	13.513	128	606829	11.757	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	153800	9.647	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	353451	12.808	ppbv	99

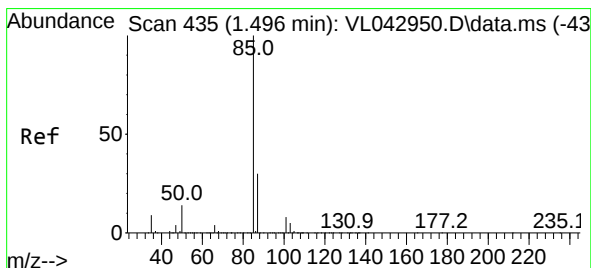
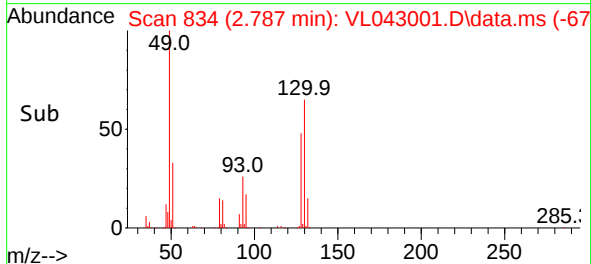
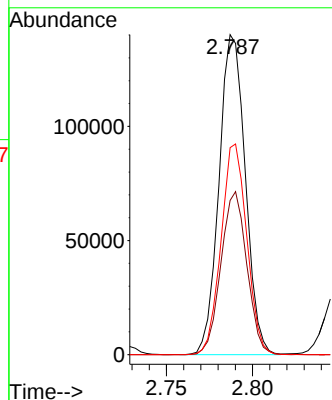
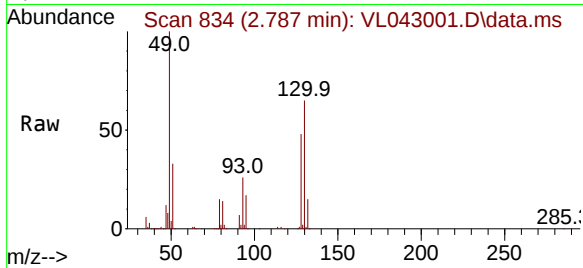
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

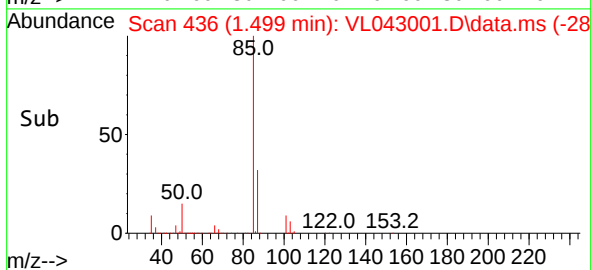
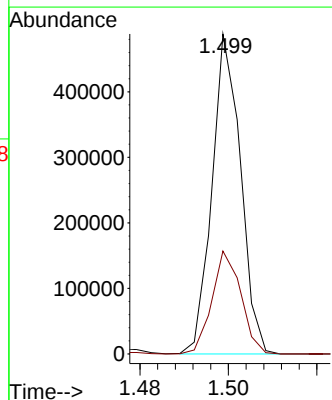
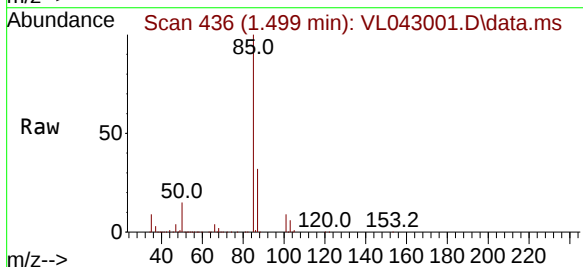
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

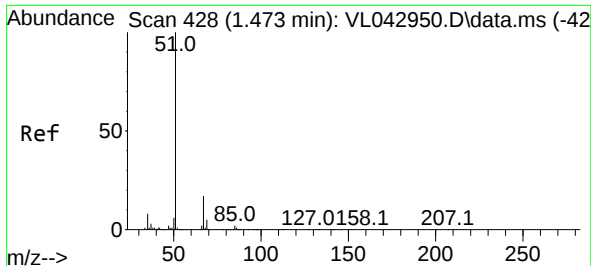
Tgt Ion: 49 Resp: 149118
Ion Ratio Lower Upper
49 100
128 50.2 22.9 68.8
130 64.3 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 10.909 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 85 Resp: 218810
Ion Ratio Lower Upper
85 100
87 32.2 24.3 36.5

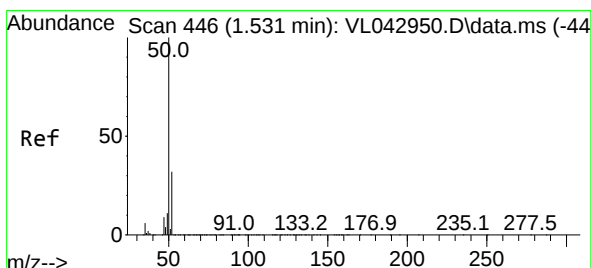
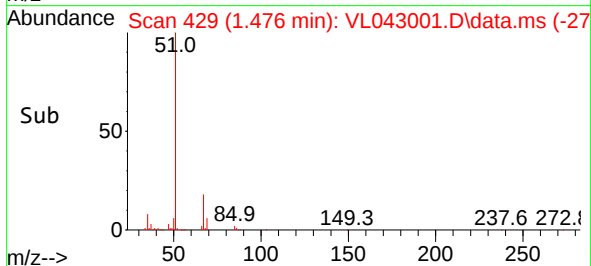
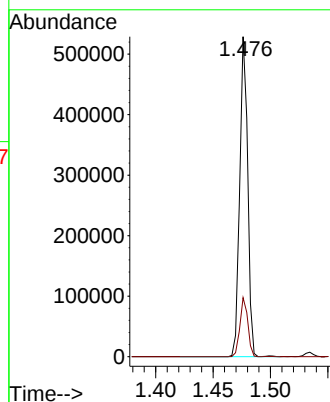
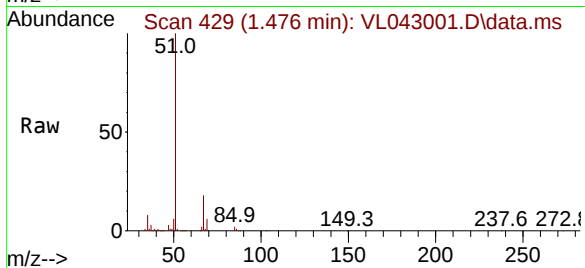




#3
Chlorodifluoromethane
Concen: 10.161 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

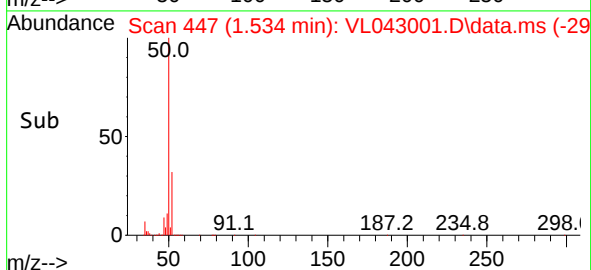
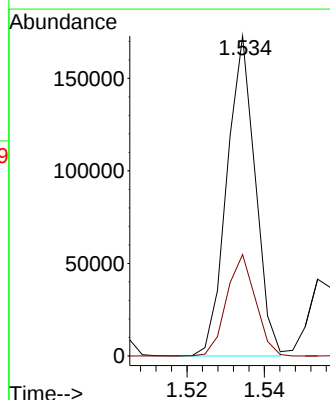
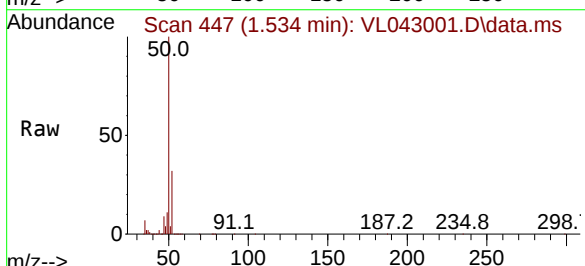
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

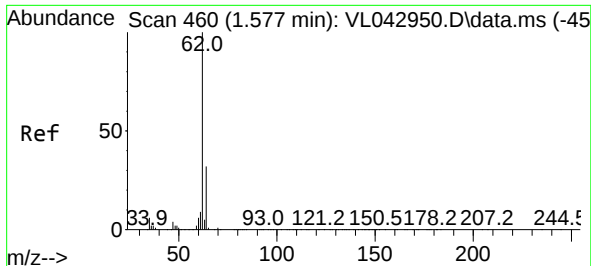
Tgt Ion: 51 Resp: 253996
Ion Ratio Lower Upper
51 100
67 18.4 13.8 20.8



#4
Chloromethane
Concen: 9.721 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 50 Resp: 88250
Ion Ratio Lower Upper
50 100
52 31.7 25.9 38.9

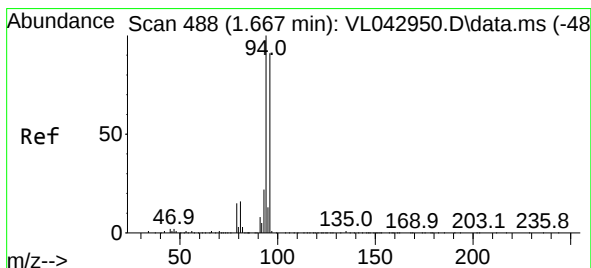
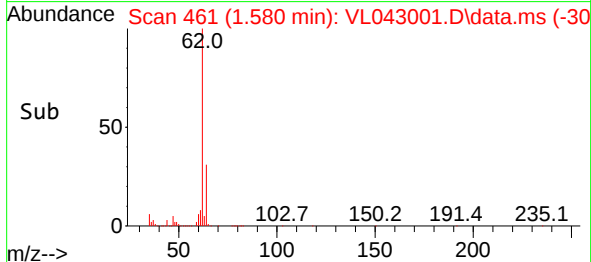
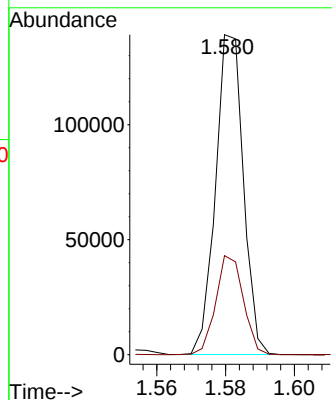
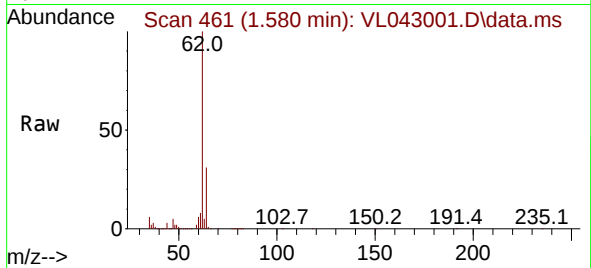




#5
 Vinyl Chloride
 Concen: 9.528 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

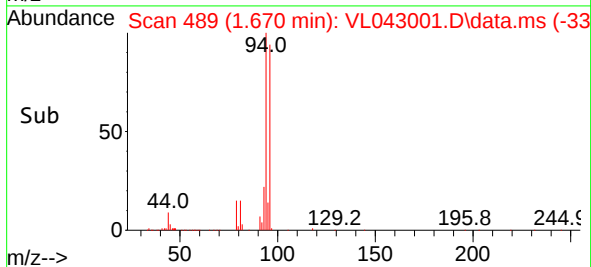
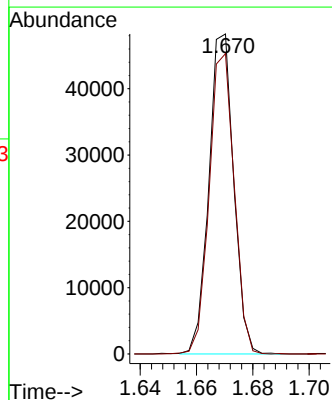
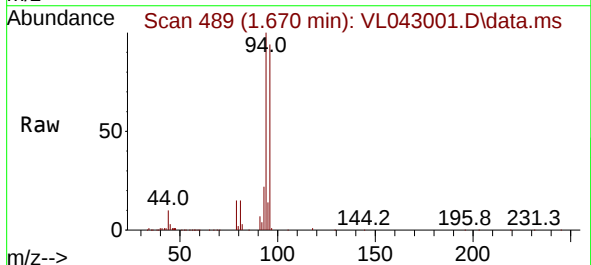
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

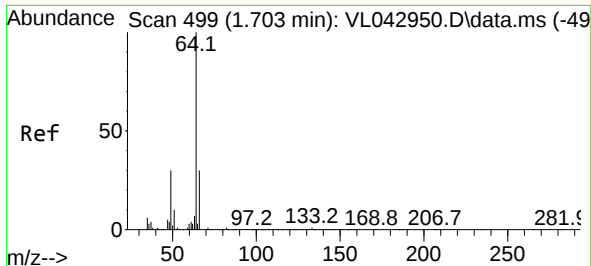
Tgt Ion: 62 Resp: 78198
 Ion Ratio Lower Upper
 62 100
 64 31.0 25.4 38.2



#6
 Bromomethane
 Concen: 10.217 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion: 94 Resp: 29578
 Ion Ratio Lower Upper
 94 100
 96 93.7 72.6 108.8

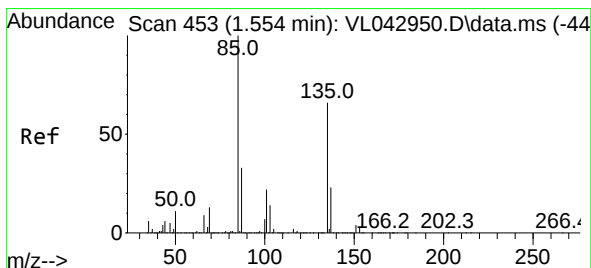
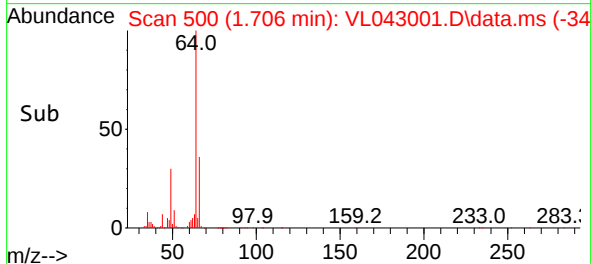
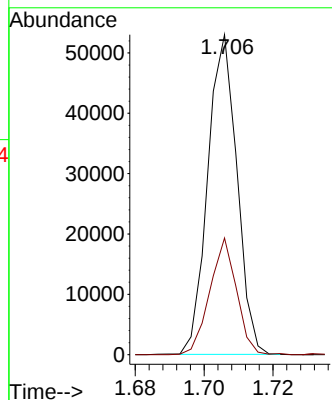
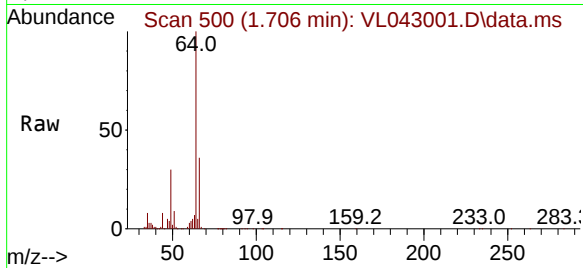




#7
Chloroethane
Concen: 9.757 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

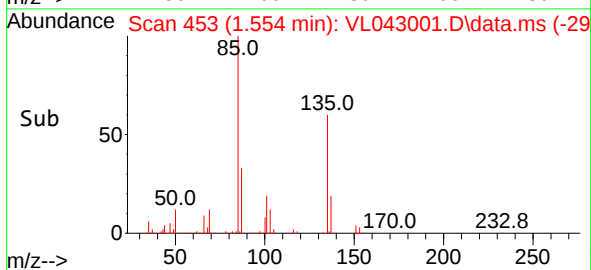
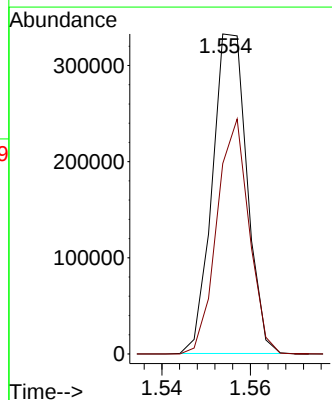
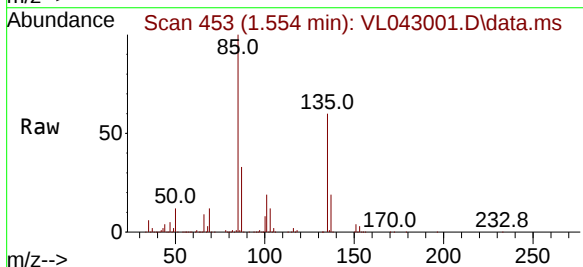
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

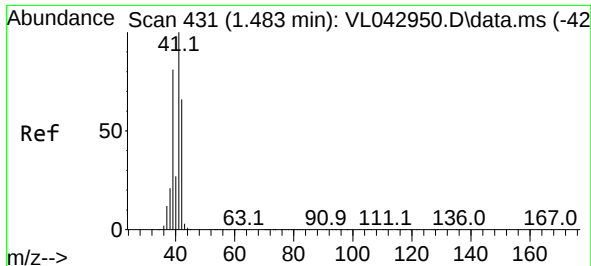
Tgt Ion: 64 Resp: 31093
Ion Ratio Lower Upper
64 100
66 36.5 24.6 36.8



#8
Dichlorotetrafluoroethane
Concen: 10.590 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 85 Resp: 181307
Ion Ratio Lower Upper
85 100
135 68.0 49.7 74.5





#9

Propene

Concen: 8.466 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

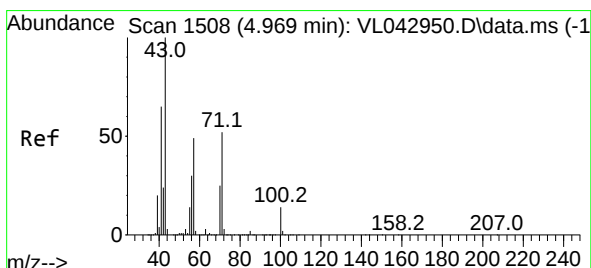
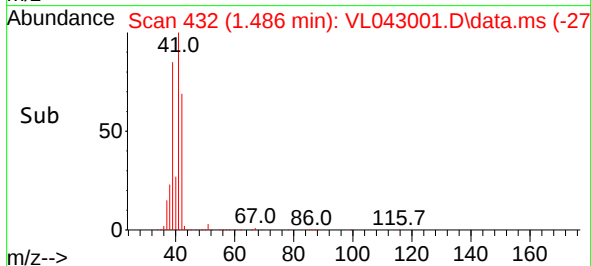
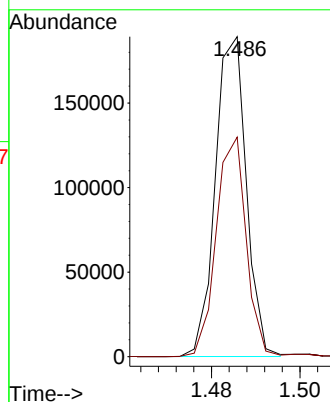
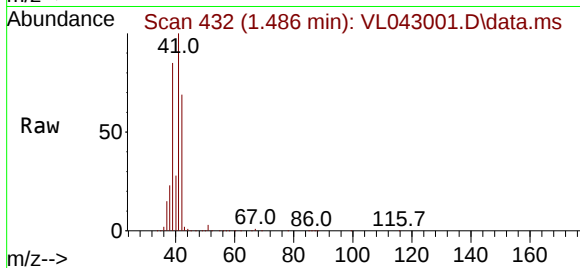
VSTDCCC010

Tgt Ion: 41 Resp: 92063

Ion Ratio Lower Upper

41 100

42 67.7 57.4 86.2



#10

Heptane

Concen: 9.321 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.013 min

Lab File: VL043001.D

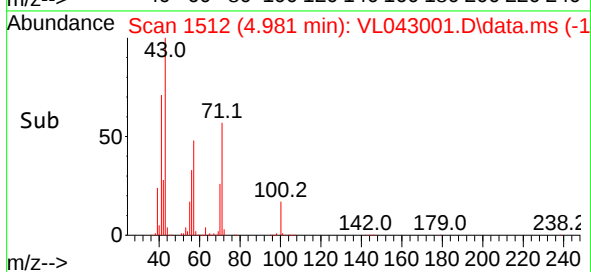
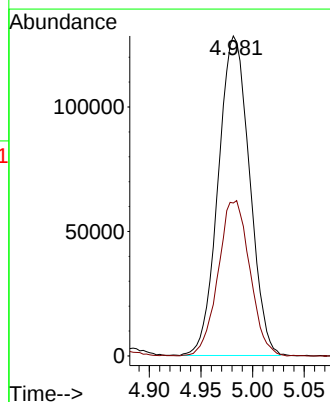
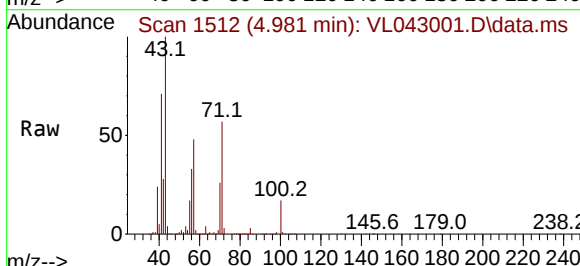
Acq: 24 Sep 2025 09:03

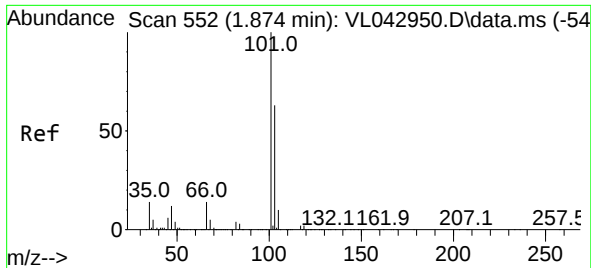
Tgt Ion: 43 Resp: 270509

Ion Ratio Lower Upper

43 100

57 49.3 38.6 57.8

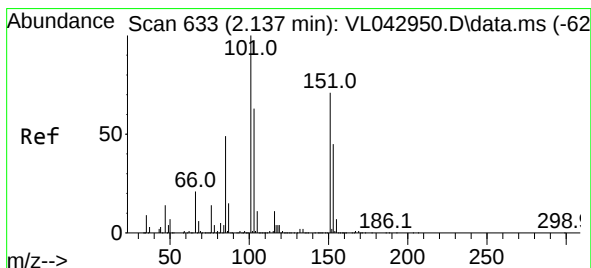
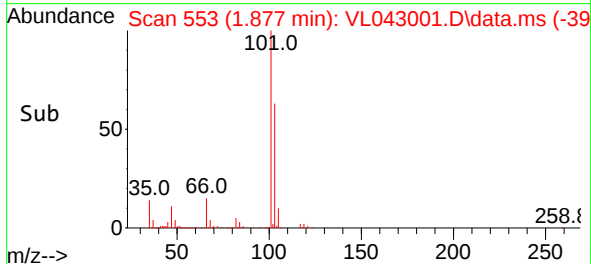
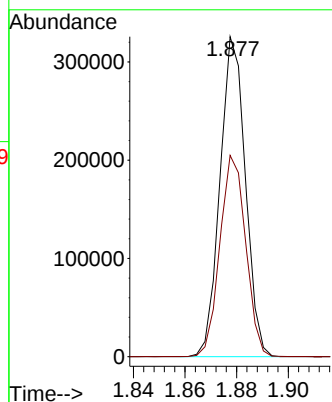
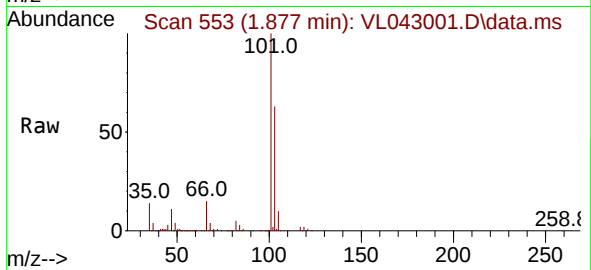




#11
 Trichlorofluoromethane
 Concen: 11.500 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

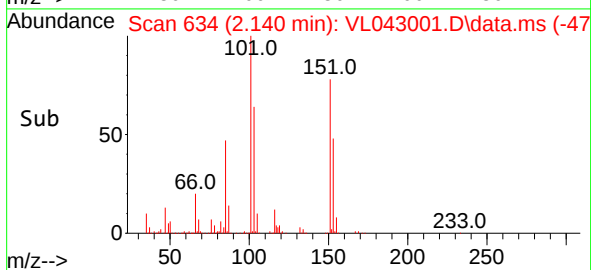
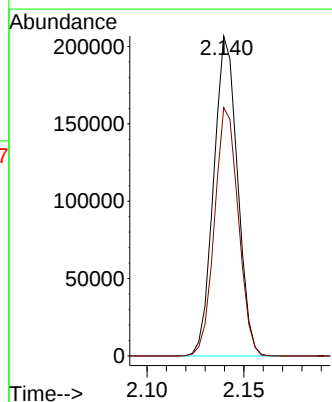
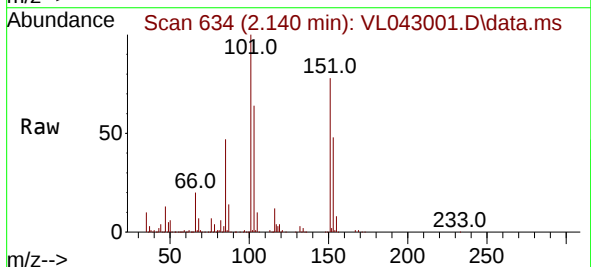
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

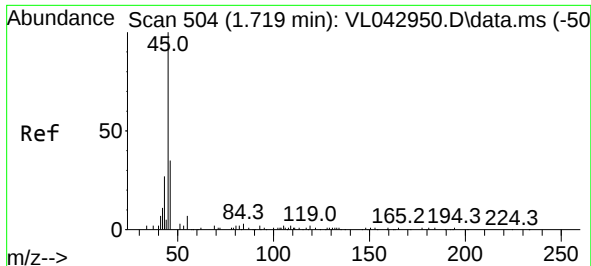
Tgt Ion:101 Resp: 222394
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.286 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion:101 Resp: 176746
 Ion Ratio Lower Upper
 101 100
 151 77.5 55.7 83.5

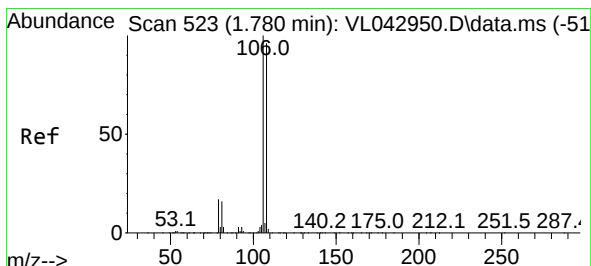
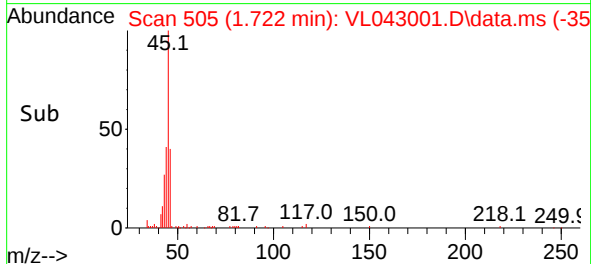
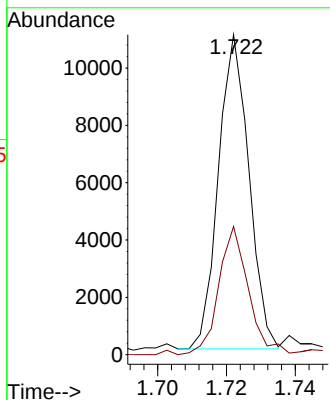
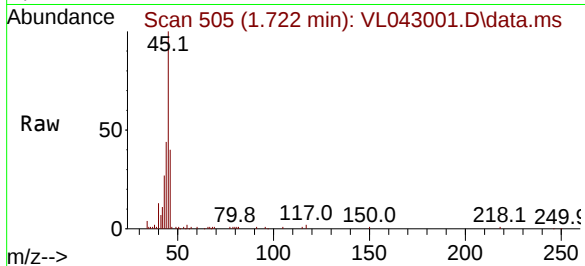




#13
Ethanol
Concen: 6.390 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

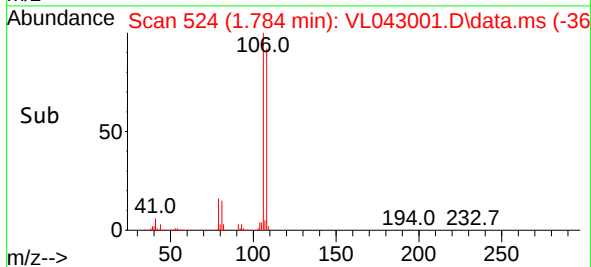
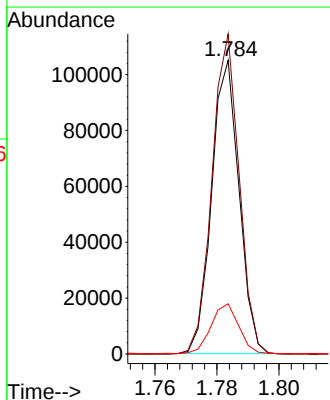
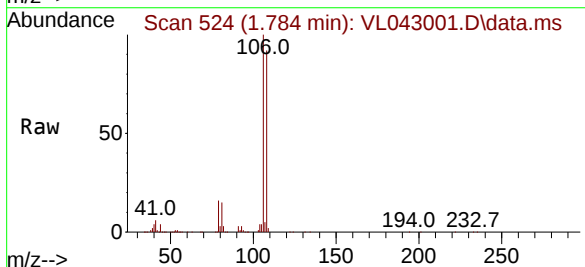
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

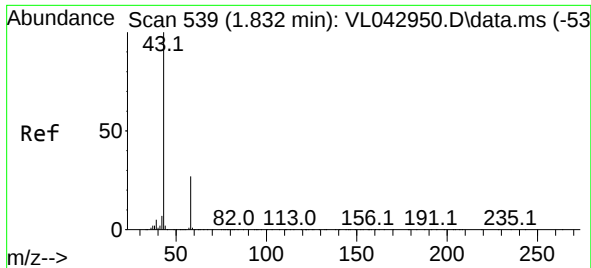
Tgt Ion: 45 Resp: 6741
Ion Ratio Lower Upper
45 100
46 41.6 16.2 64.6



#14
Bromoethene
Concen: 10.873 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 108 Resp: 64377
Ion Ratio Lower Upper
108 100
106 108.3 86.0 129.0
79 17.9 14.2 21.2





#15

Acetone

Concen: 8.416 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_1

ClientSampleId :

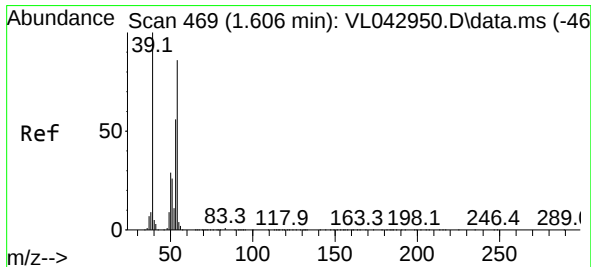
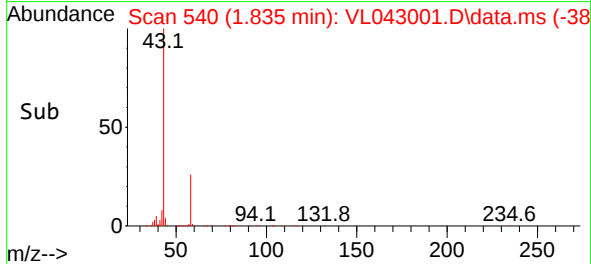
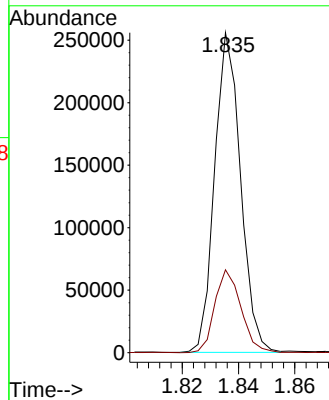
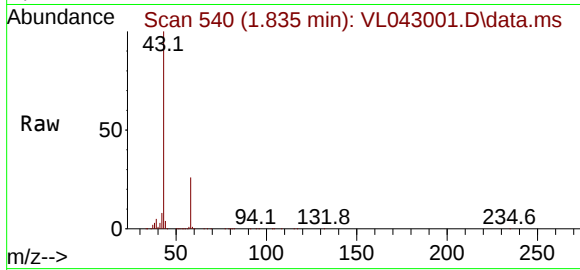
VSTDCCC010

Tgt Ion: 43 Resp: 163452

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5



#16

1,3-Butadiene

Concen: 9.054 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL043001.D

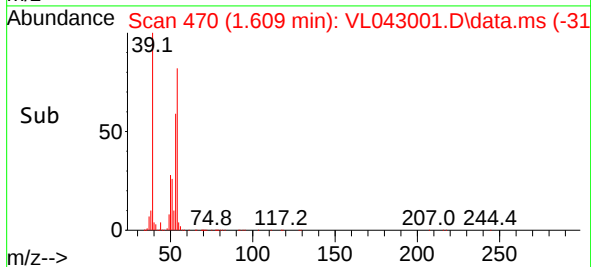
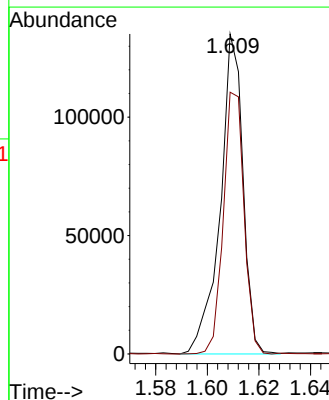
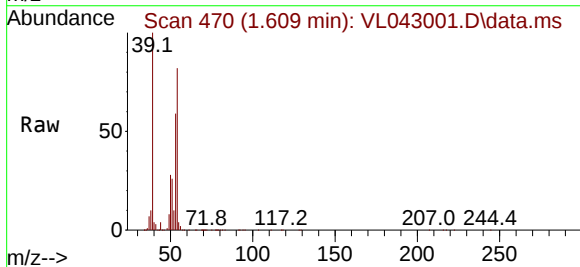
Acq: 24 Sep 2025 09:03

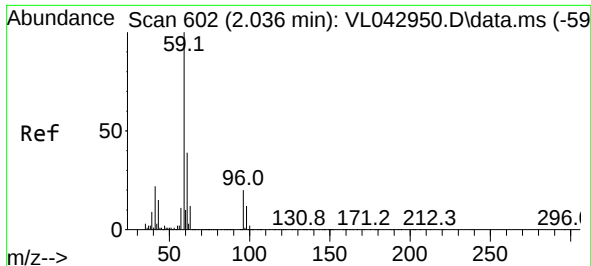
Tgt Ion: 39 Resp: 82946

Ion Ratio Lower Upper

39 100

54 74.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 8.671 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_1

ClientSampleId :

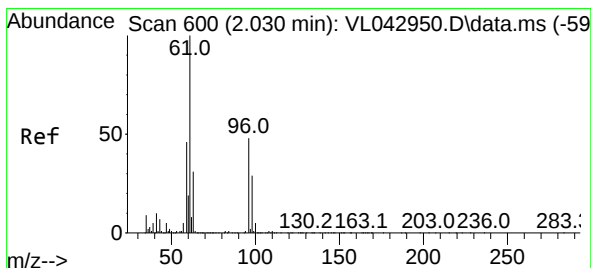
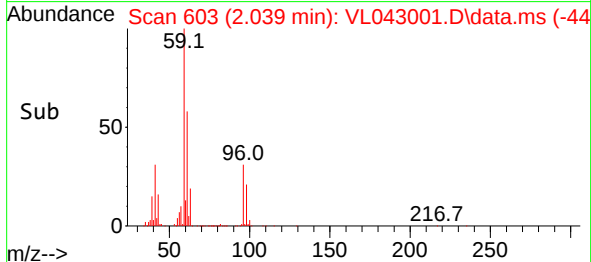
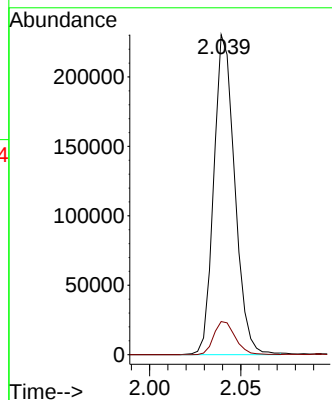
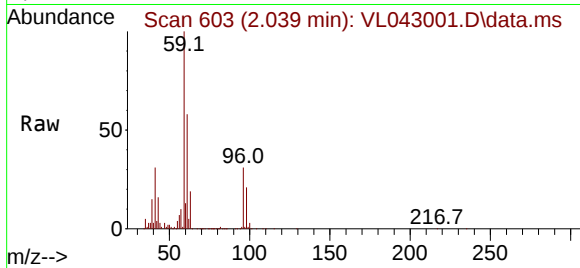
VSTDCCC010

Tgt Ion: 59 Resp: 184718

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



#18

1,1-Dichloroethene

Concen: 10.581 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

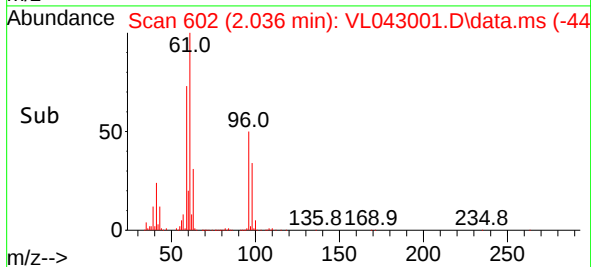
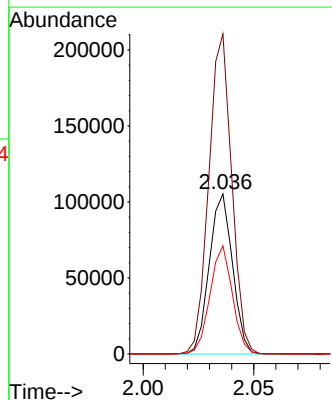
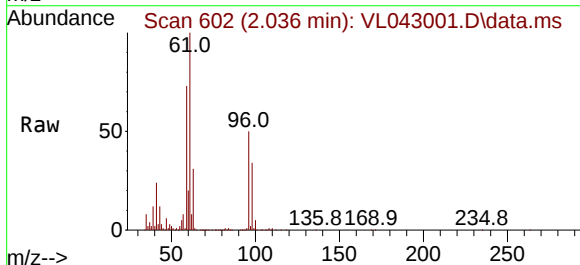
Tgt Ion: 96 Resp: 76697

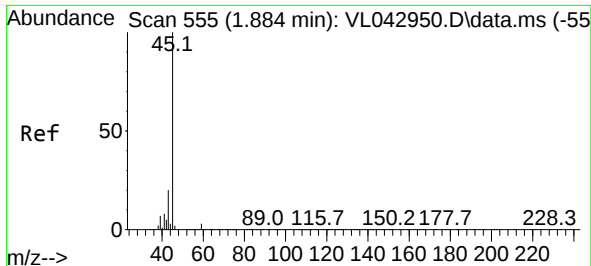
Ion Ratio Lower Upper

96 100

61 199.9 166.2 249.4

98 67.6 48.6 73.0

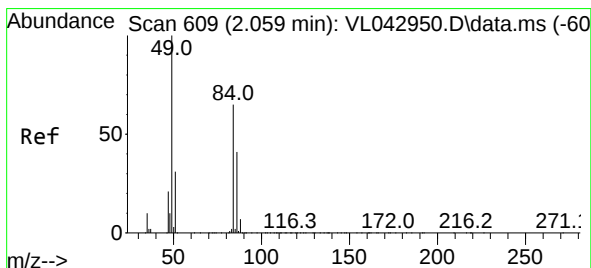
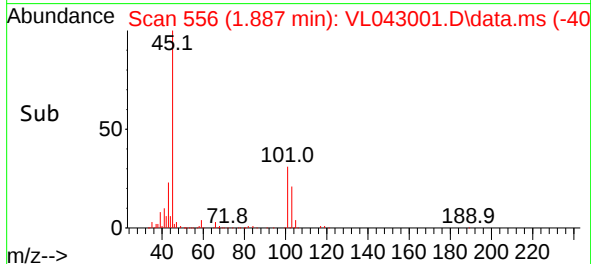
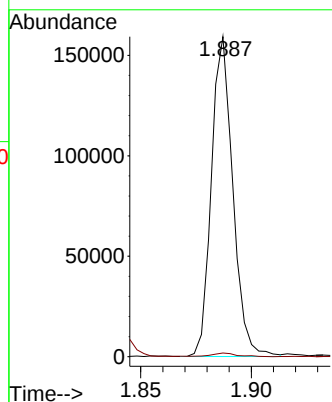
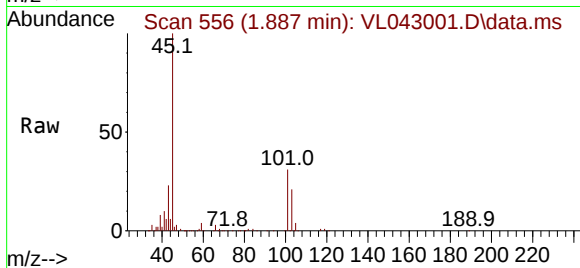




#19
Isopropyl Alcohol
Concen: 9.178 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

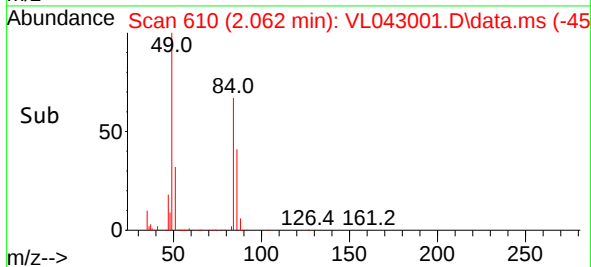
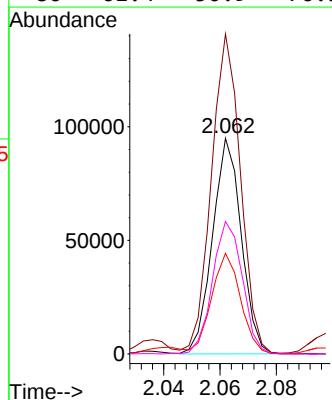
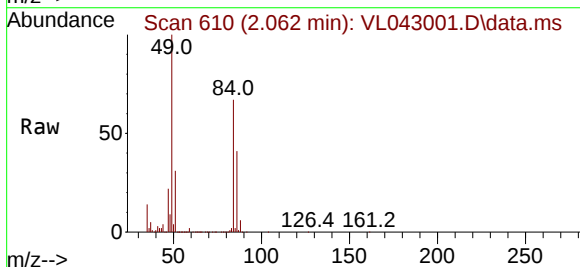
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

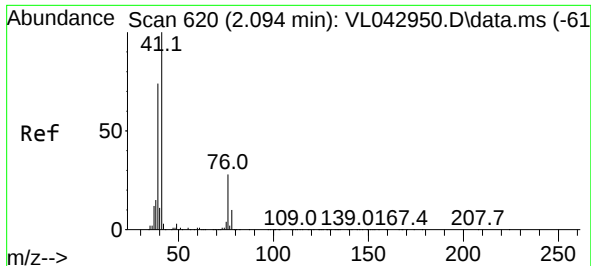
Tgt Ion: 45 Resp: 107156
Ion Ratio Lower Upper
45 100
58 40.3 31.0 46.6



#20
Methylene Chloride
Concen: 11.743 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 84 Resp: 67323
Ion Ratio Lower Upper
84 100
49 148.0 124.1 186.1
51 46.5 39.8 59.8
86 61.4 50.9 76.3

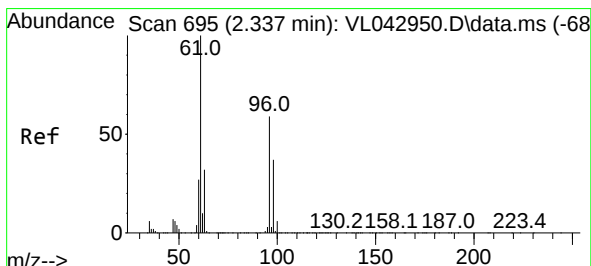
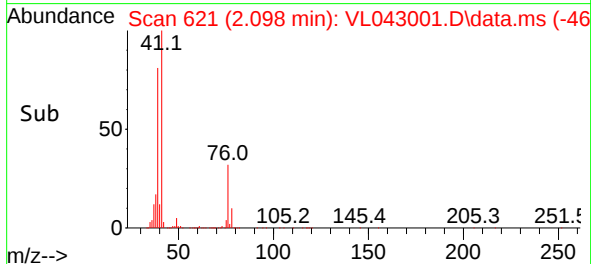
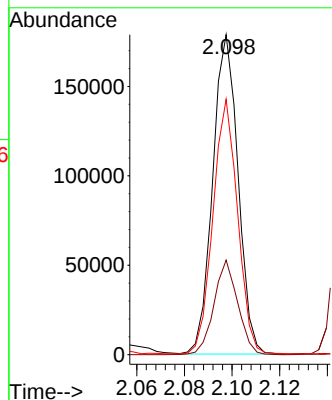
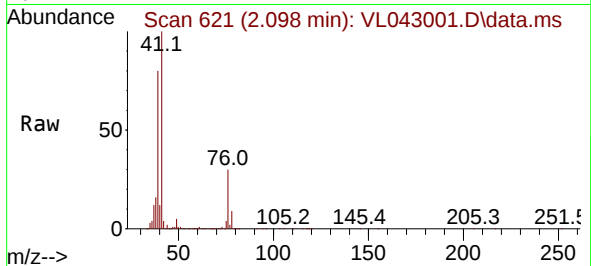




#21
 Allyl Chloride
 Concen: 9.758 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

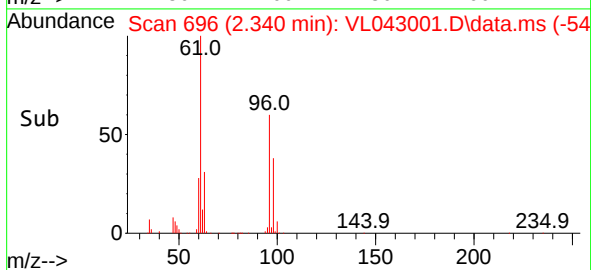
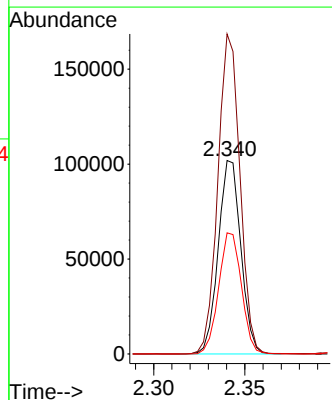
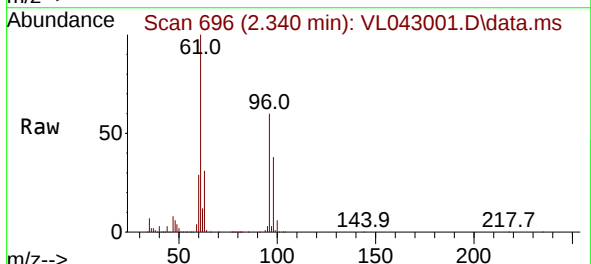
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

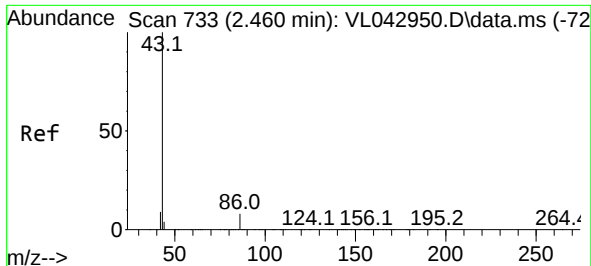
Tgt Ion: 41 Resp: 131981
 Ion Ratio Lower Upper
 41 100
 76 27.7 22.3 33.5
 39 77.6 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 10.660 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion: 96 Resp: 87807
 Ion Ratio Lower Upper
 96 100
 61 165.4 136.5 204.7
 98 62.6 50.6 76.0

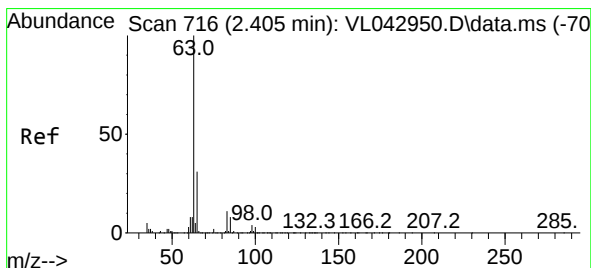
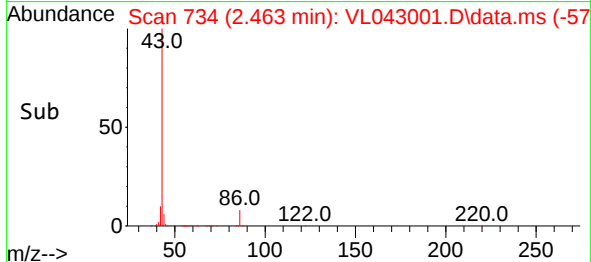
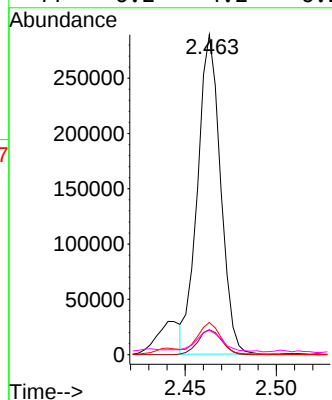
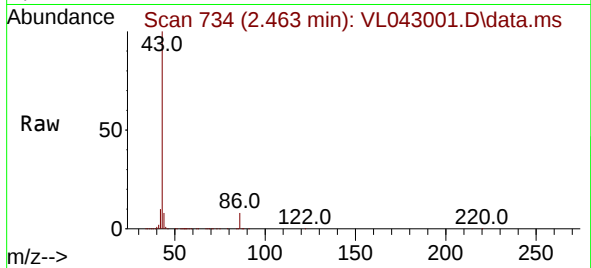




#23
 Vinyl Acetate
 Concen: 9.121 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

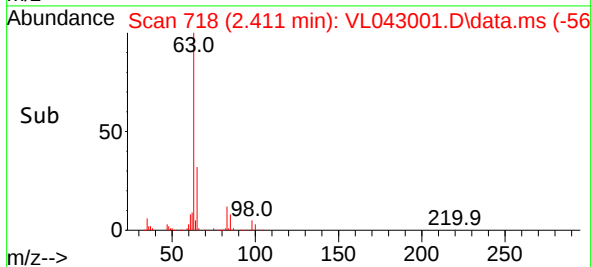
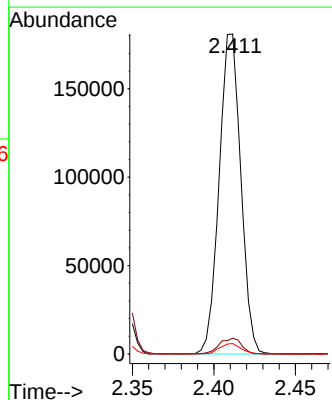
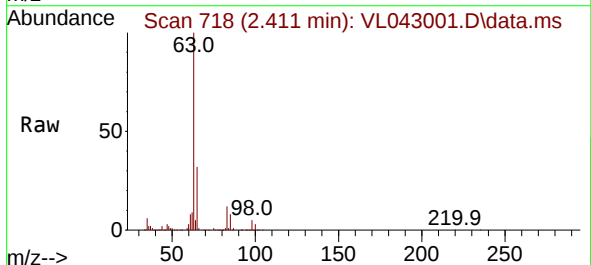
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

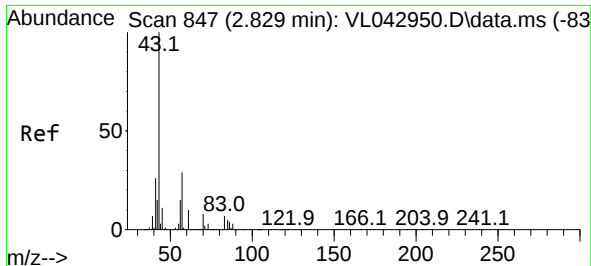
Tgt Ion:	43	Resp:	253068
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.2
42	10.0	7.4	11.0
44	6.2	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 10.345 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion:	63	Resp:	167093
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.2	6.6
100	3.3	1.4	4.0



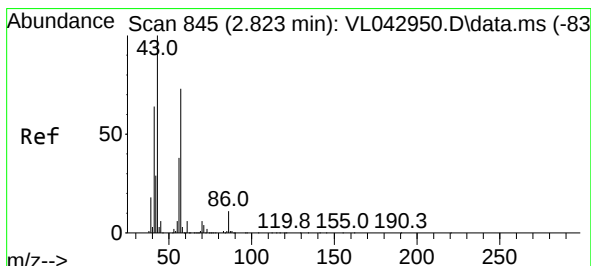
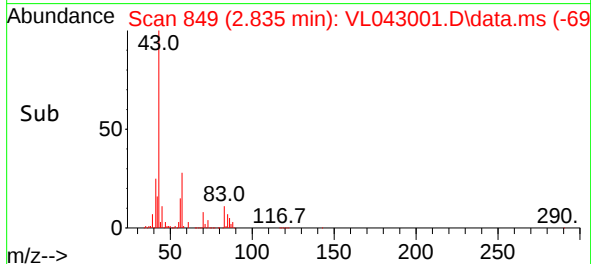
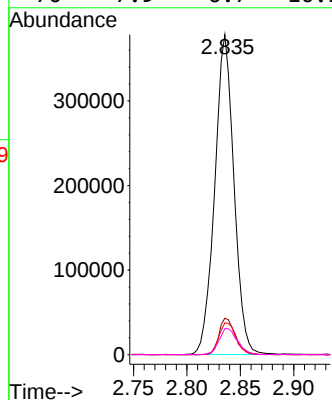
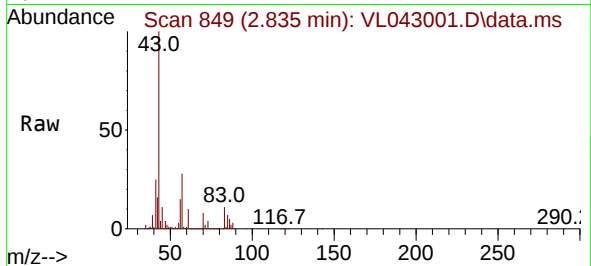


#25
Ethyl Acetate
Concen: 9.642 ppbv
RT: 2.835 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 473289

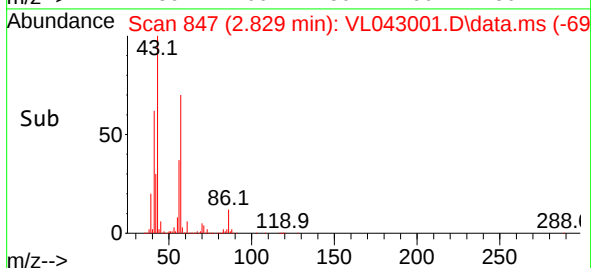
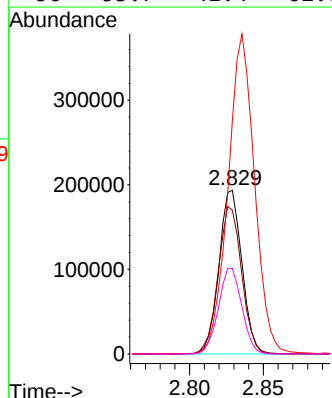
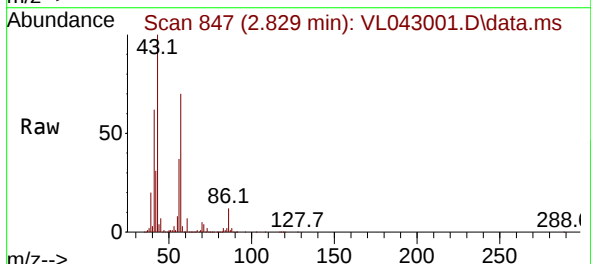
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.7	11.5
61	8.8	7.1	10.7
70	7.9	6.7	10.1

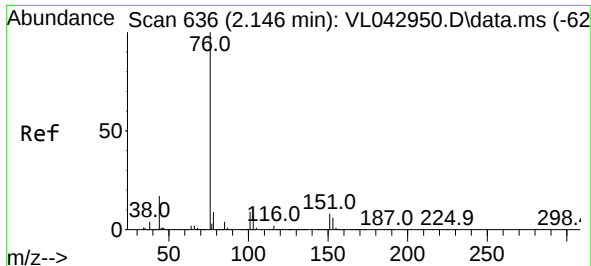


#26
Hexane
Concen: 9.314 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 57 Resp: 208408

Ion	Ratio	Lower	Upper
57	100		
41	93.0	71.7	107.5
43	227.6	180.8	271.2
56	53.7	41.4	62.0

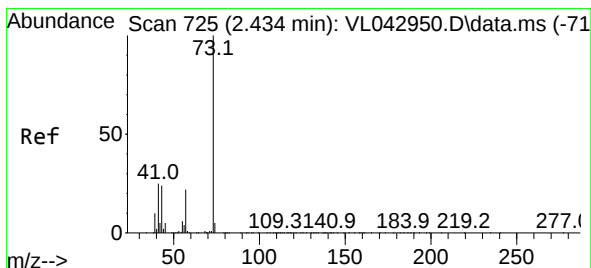
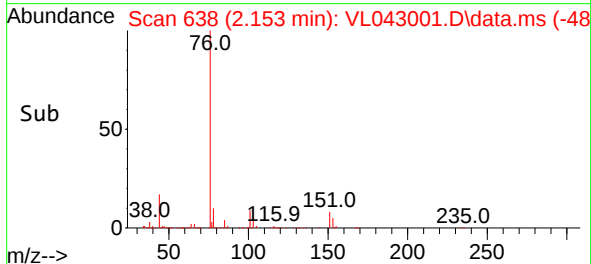
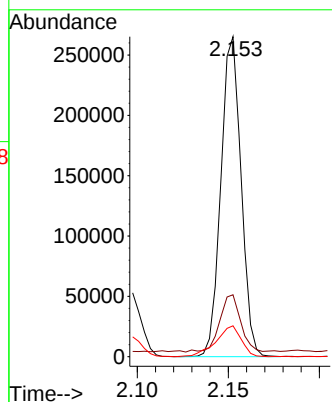
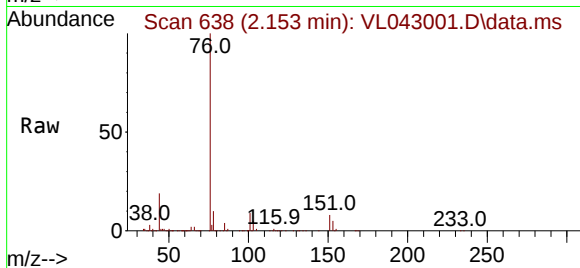




#27
Carbon Disulfide
Concen: 10.171 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

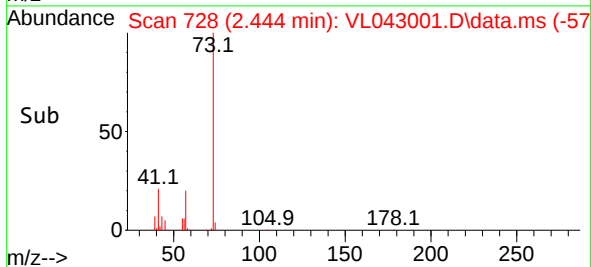
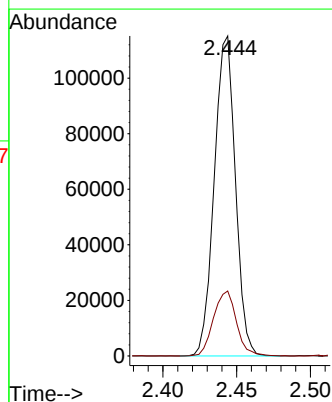
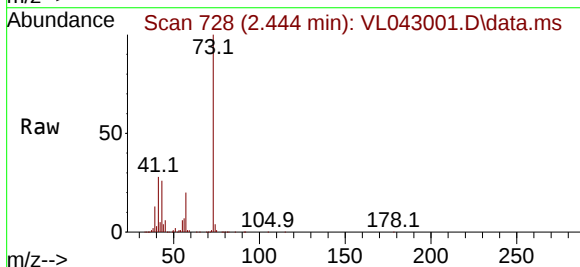
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

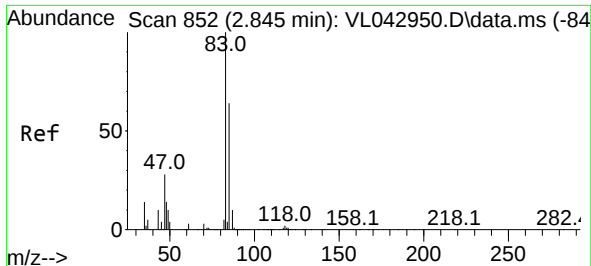
Tgt Ion: 76 Resp: 204123
Ion Ratio Lower Upper
76 100
44 17.9 15.6 23.4
78 12.1 8.9 13.3



#28
Methyl tert-Butyl Ether
Concen: 9.867 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 73 Resp: 114764
Ion Ratio Lower Upper
73 100
57 22.1 20.6 31.0





#29

Chloroform

Concen: 11.162 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

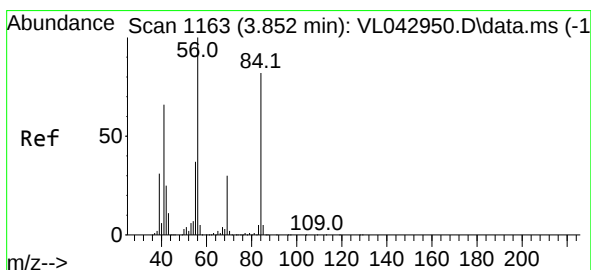
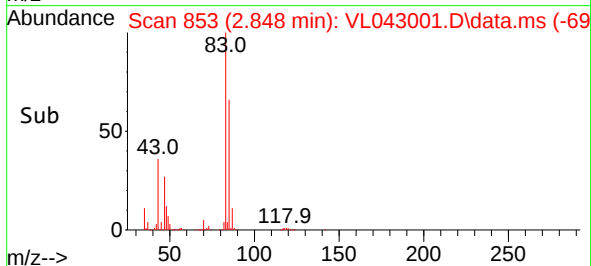
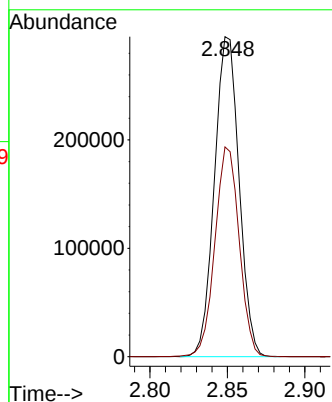
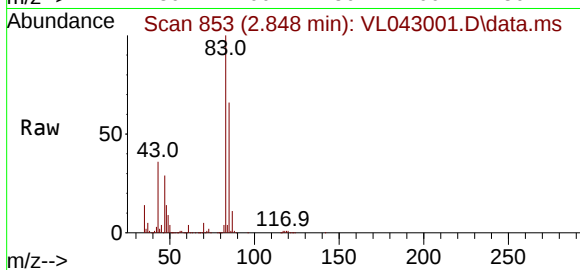
VSTDCCC010

Tgt Ion: 83 Resp: 326560

Ion Ratio Lower Upper

83 100

85 65.5 51.2 76.8



#30

Cyclohexane

Concen: 9.621 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

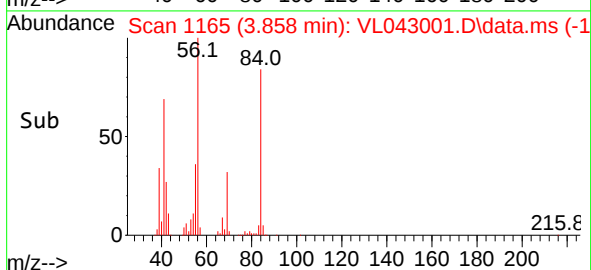
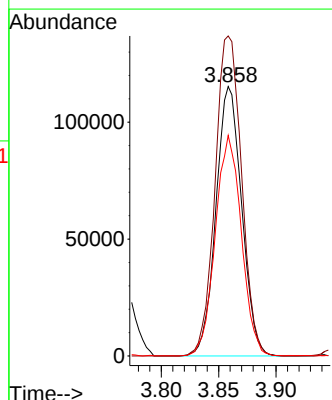
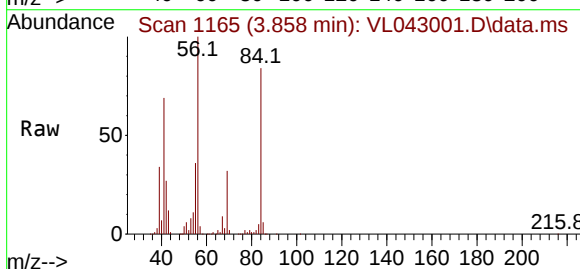
Tgt Ion: 84 Resp: 179991

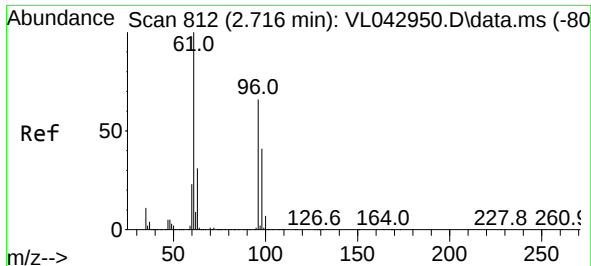
Ion Ratio Lower Upper

84 100

56 122.3 102.2 153.4

41 82.8 65.6 98.4

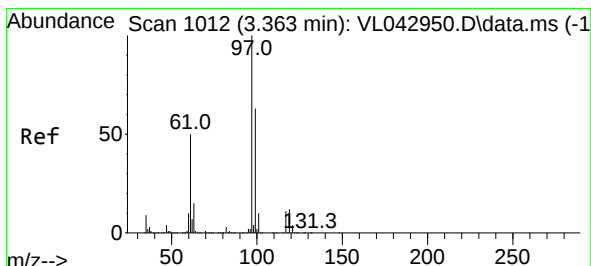
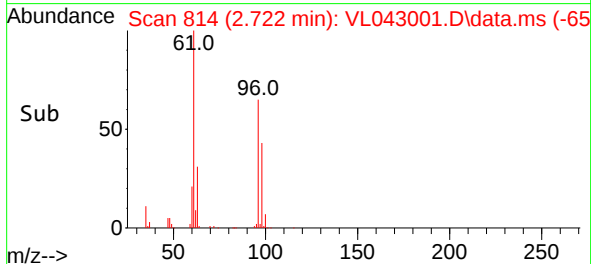
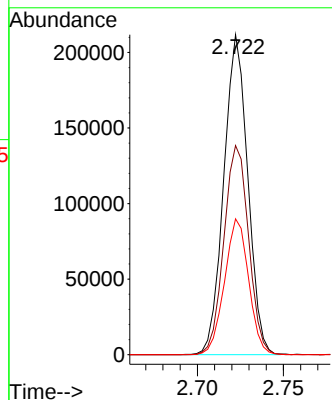
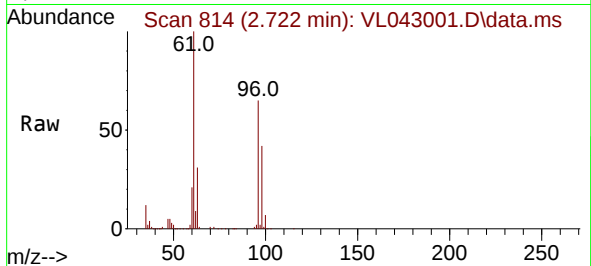




#31
 cis-1,2-Dichloroethene
 Concen: 9.802 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

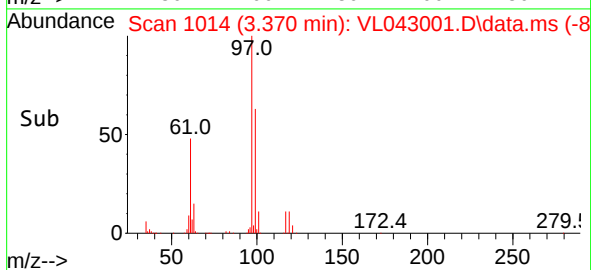
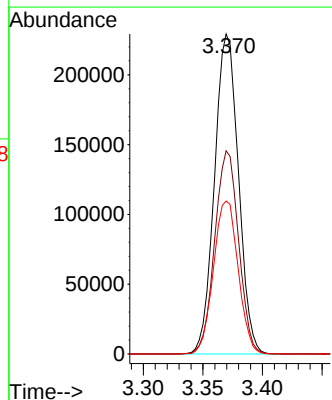
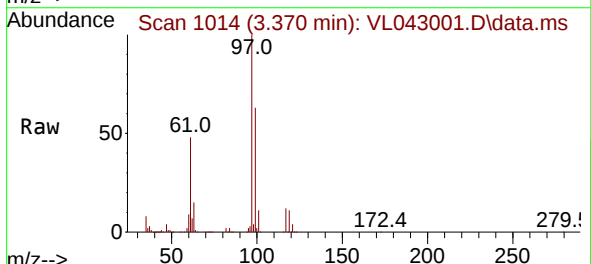
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

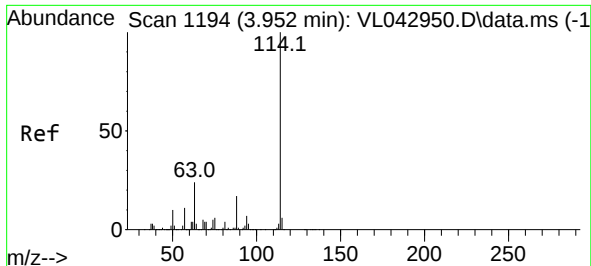
Tgt Ion: 61 Resp: 205449
 Ion Ratio Lower Upper
 61 100
 96 65.3 53.0 79.6
 98 42.4 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 10.128 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion: 97 Resp: 320054
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.1 76.7
 61 49.4 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

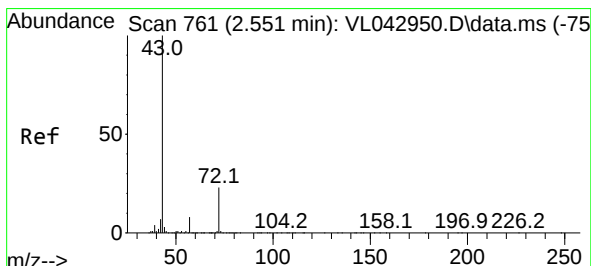
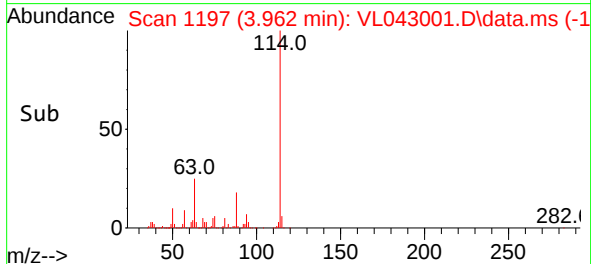
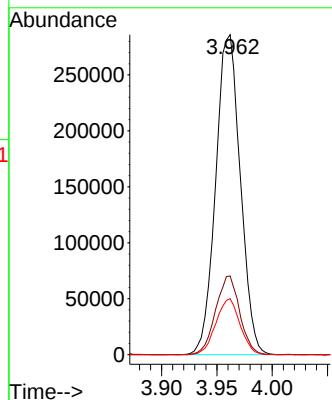
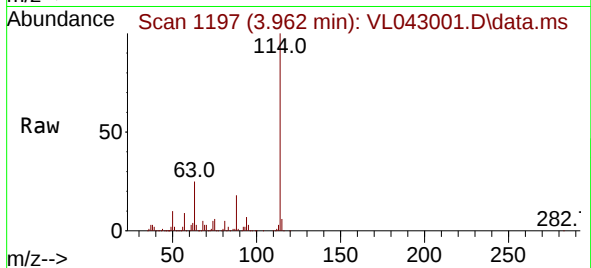
Tgt Ion:114 Resp: 443016

Ion Ratio Lower Upper

114 100

63 24.1 19.4 29.2

88 17.1 14.2 21.2



#34

2-Butanone

Concen: 9.892 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL043001.D

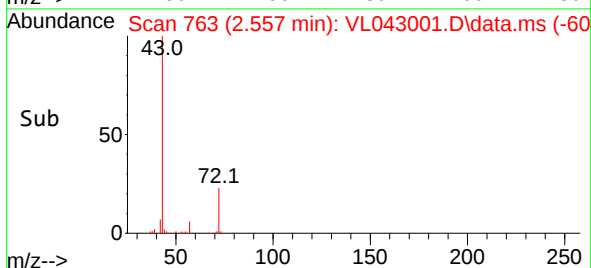
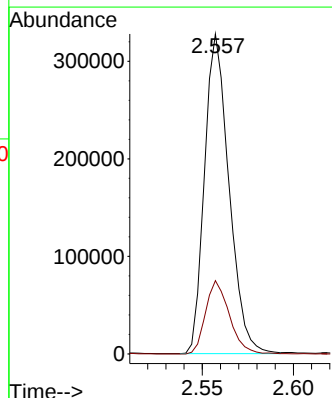
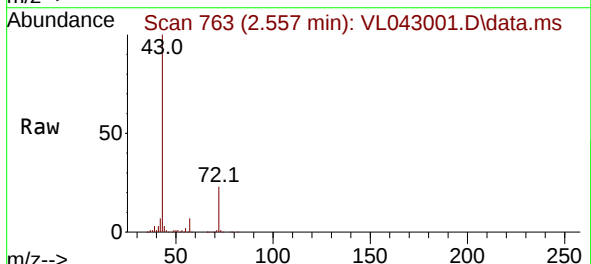
Acq: 24 Sep 2025 09:03

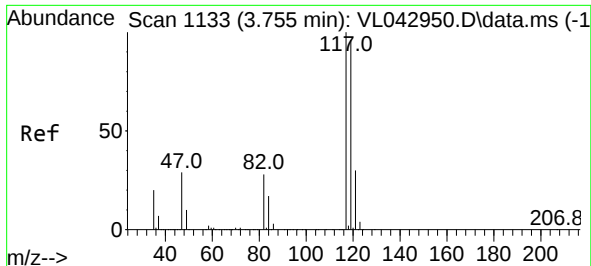
Tgt Ion: 43 Resp: 307139

Ion Ratio Lower Upper

43 100

72 22.4 17.7 26.5

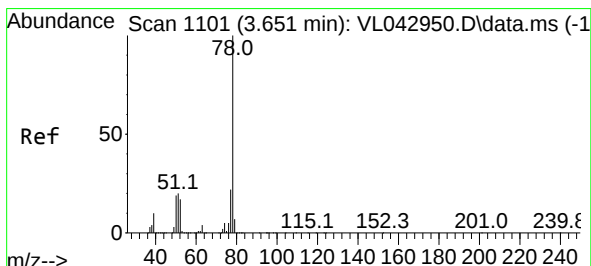
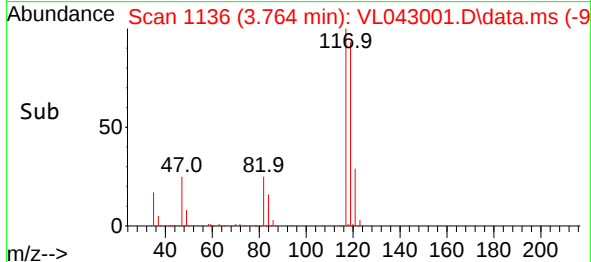
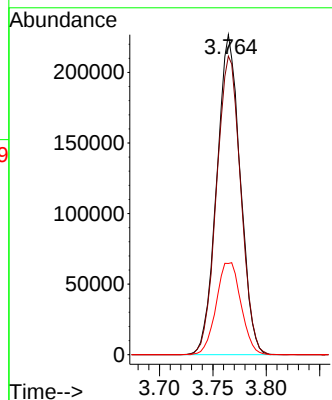
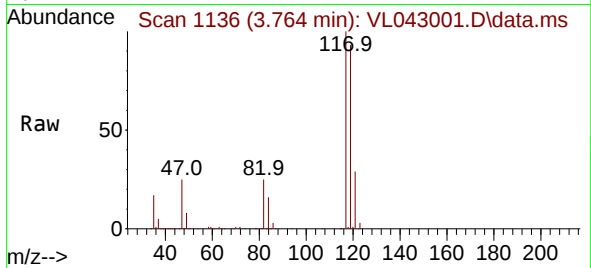




#35
Carbon Tetrachloride
Concen: 12.023 ppbv
RT: 3.764 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

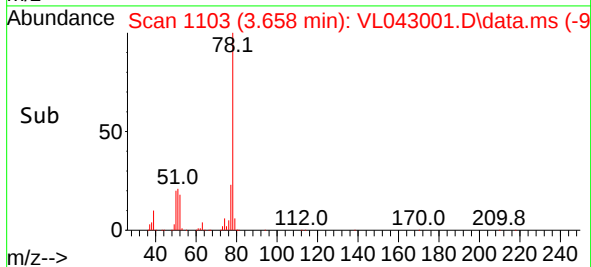
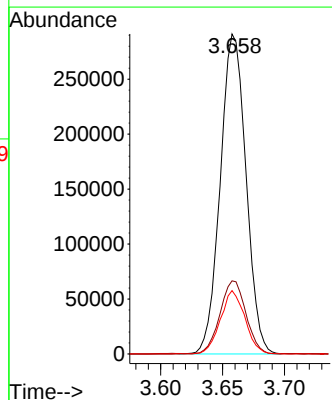
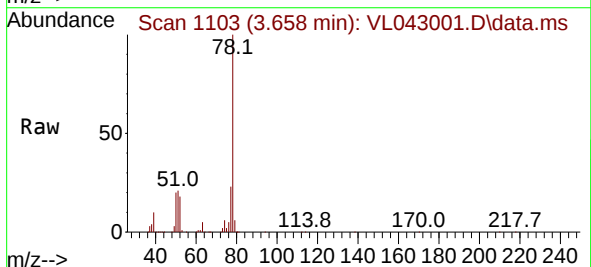
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

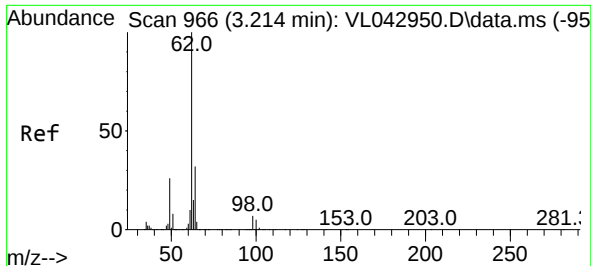
Tgt Ion:117 Resp: 346777
Ion Ratio Lower Upper
117 100
119 93.3 76.9 115.3
121 28.5 23.7 35.5



#36
Benzene
Concen: 10.132 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 78 Resp: 421500
Ion Ratio Lower Upper
78 100
77 22.8 17.8 26.6
50 19.8 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.163 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

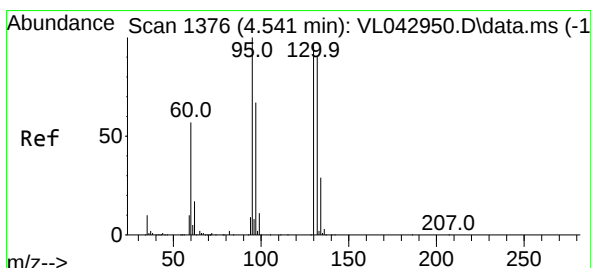
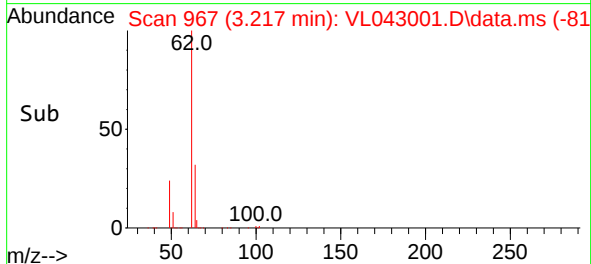
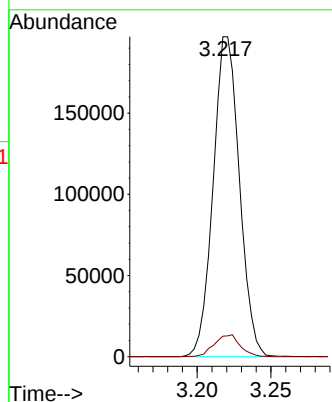
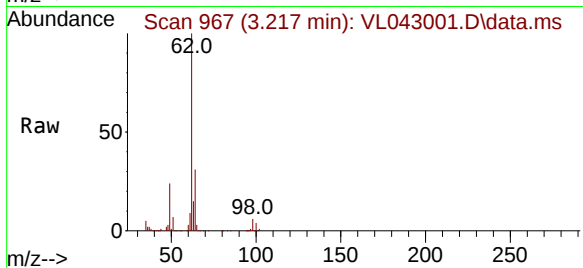
VSTDCCC010

Tgt Ion: 62 Resp: 244248

Ion Ratio Lower Upper

62 100

98 6.7 5.9 8.9



#38

Trichloroethene

Concen: 10.414 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Tgt Ion:130 Resp: 215317

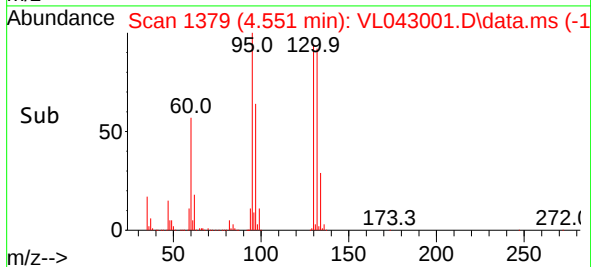
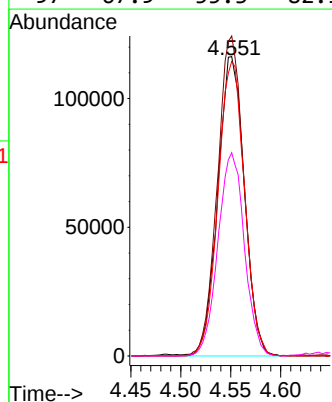
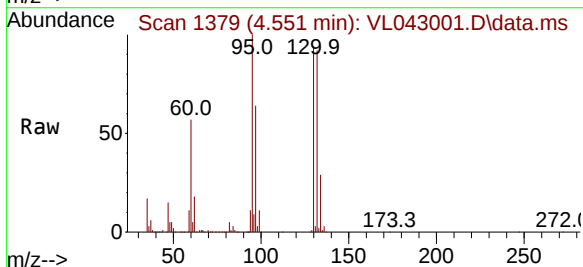
Ion Ratio Lower Upper

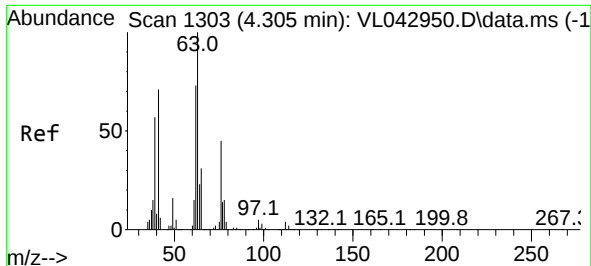
130 100

95 106.8 83.0 124.4

132 98.4 74.6 112.0

97 67.9 55.3 82.9





#39

1,2-Dichloropropane

Concen: 10.375 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

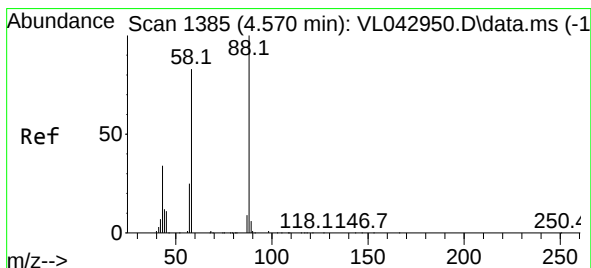
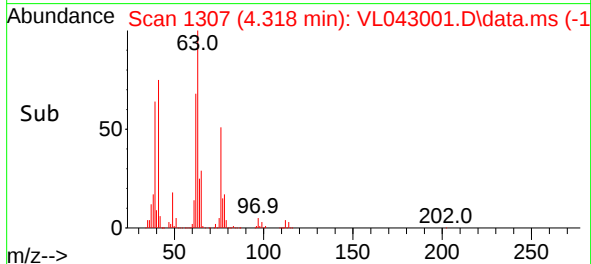
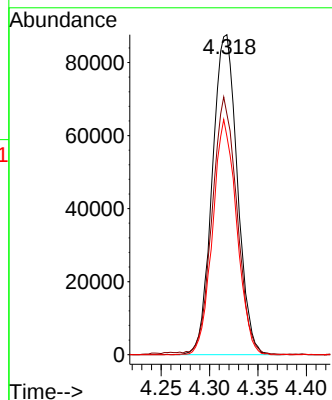
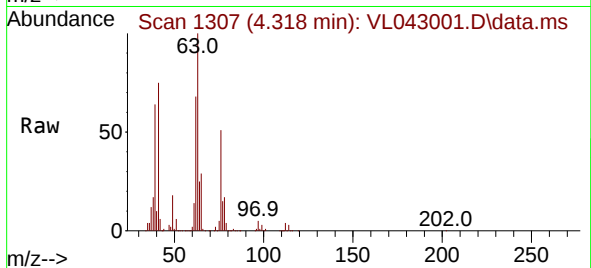
Tgt Ion: 63 Resp: 157562

Ion Ratio Lower Upper

63 100

41 74.9 57.5 86.3

62 68.2 58.5 87.7



#40

1,4-Dioxane

Concen: 9.512 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Tgt Ion: 88 Resp: 67174

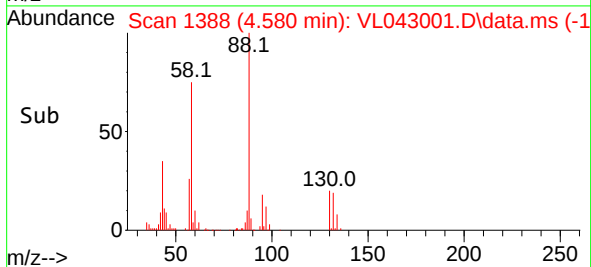
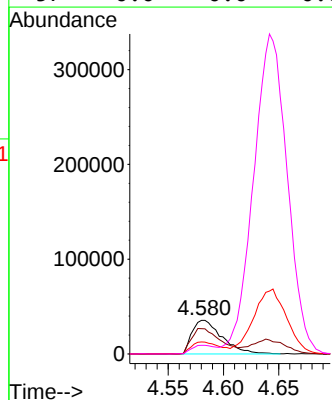
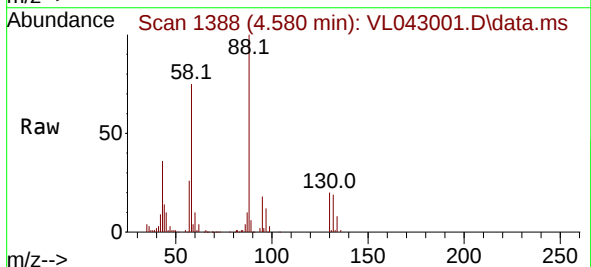
Ion Ratio Lower Upper

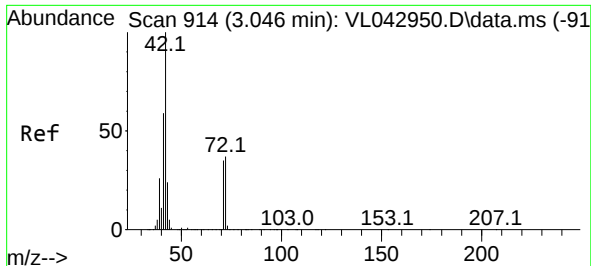
88 100

58 74.3 59.7 89.5

43 35.0 28.9 43.3

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.453 ppbv

RT: 3.056 min Scan# 914

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

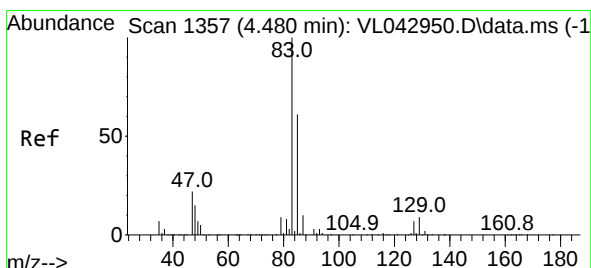
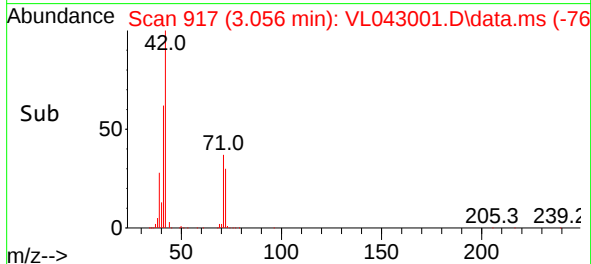
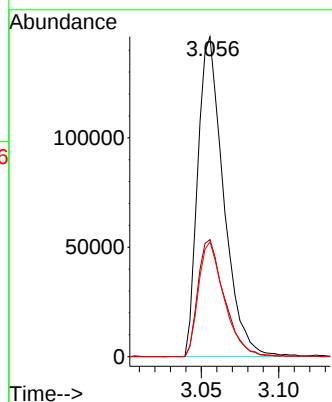
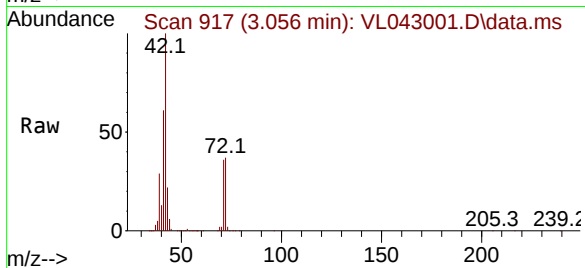
Tgt Ion: 42 Resp: 168708

Ion Ratio Lower Upper

42 100

72 37.8 30.0 45.0

71 36.1 28.8 43.2



#42

Bromodichloromethane

Concen: 11.374 ppbv

RT: 4.493 min Scan# 1361

Delta R.T. 0.013 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

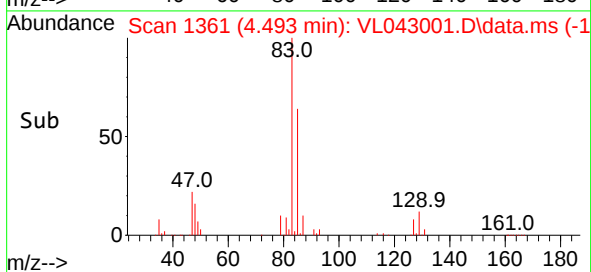
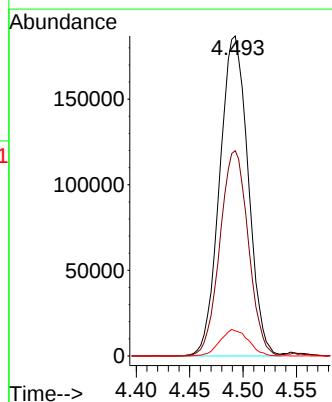
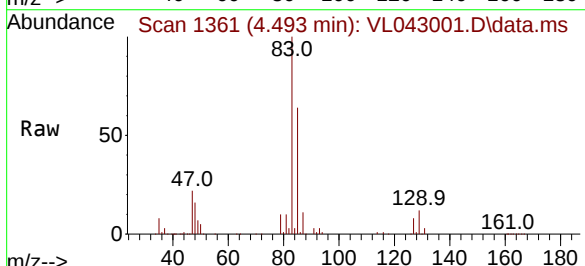
Tgt Ion: 83 Resp: 346597

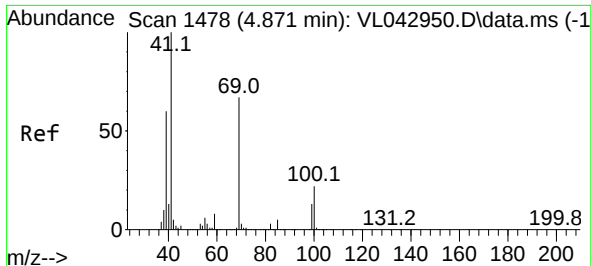
Ion Ratio Lower Upper

83 100

85 64.2 49.0 73.6

127 7.8 5.3 7.9

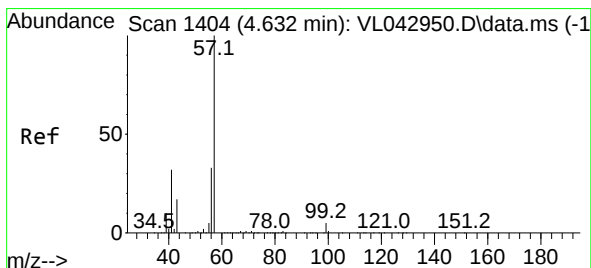
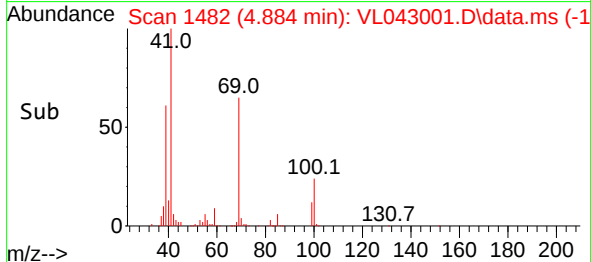
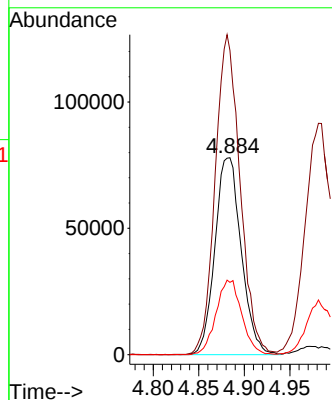
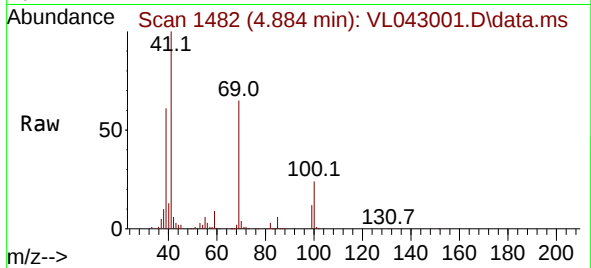




#43
Methyl Methacrylate
Concen: 9.196 ppbv
RT: 4.884 min Scan# 1478
Delta R.T. 0.013 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

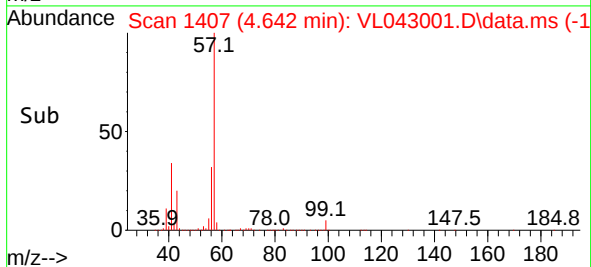
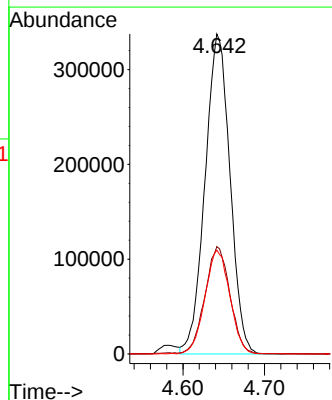
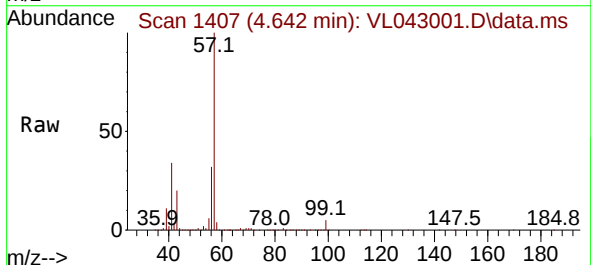
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

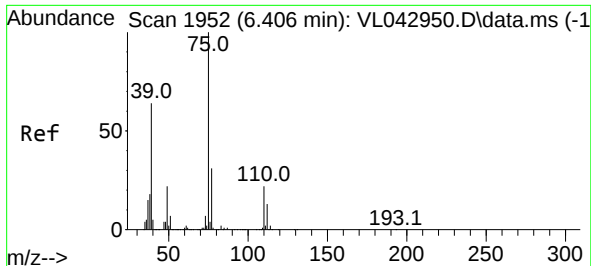
Tgt Ion: 69 Resp: 156524
Ion Ratio Lower Upper
69 100
41 154.0 124.5 186.7
100 37.0 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 10.003 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 57 Resp: 718720
Ion Ratio Lower Upper
57 100
41 34.2 25.5 38.3
56 32.4 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 9.161 ppbv

RT: 6.418 min Scan# 1952

Delta R.T. 0.013 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

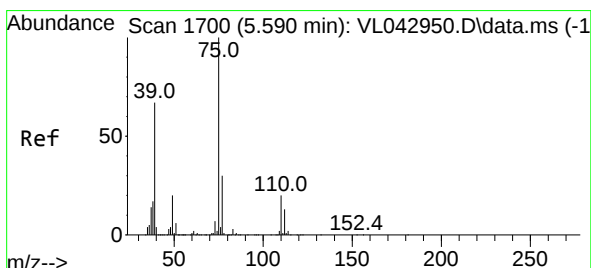
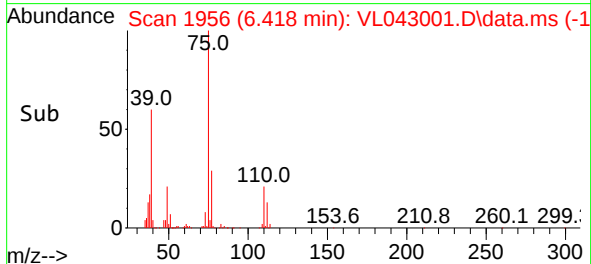
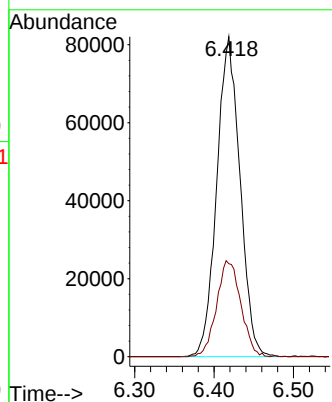
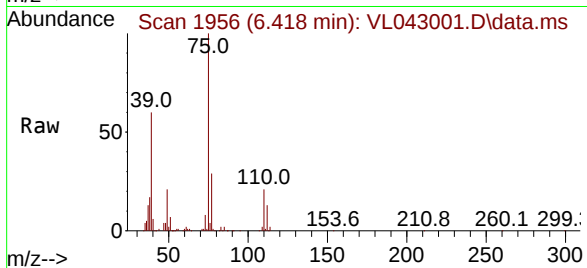
VSTDCCC010

Tgt Ion: 75 Resp: 166305

Ion Ratio Lower Upper

75 100

77 29.1 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 9.507 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.013 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

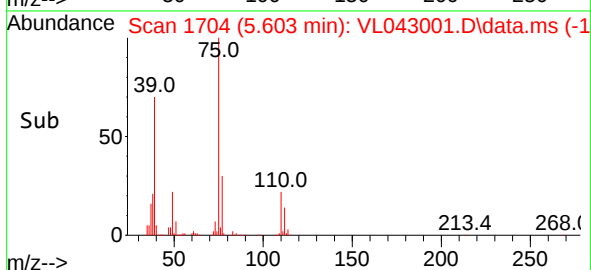
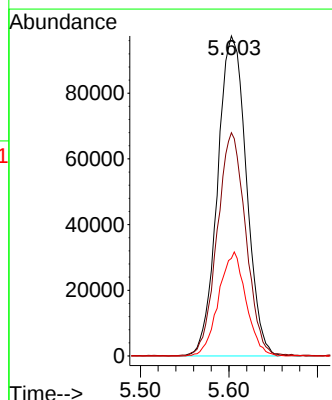
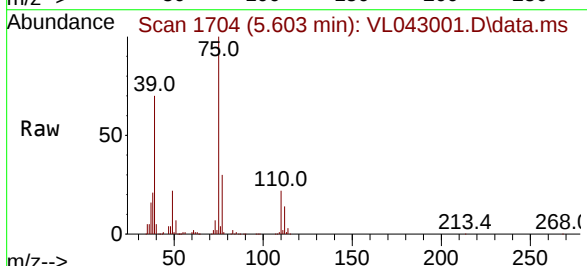
Tgt Ion: 75 Resp: 219958

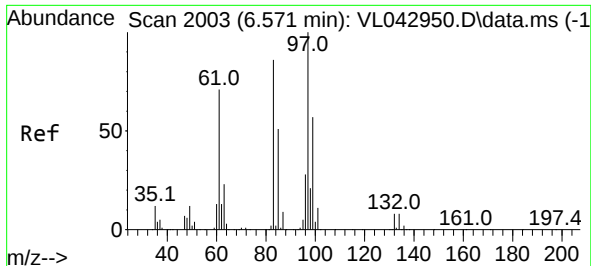
Ion Ratio Lower Upper

75 100

39 69.6 53.8 80.6

77 30.5 23.6 35.4

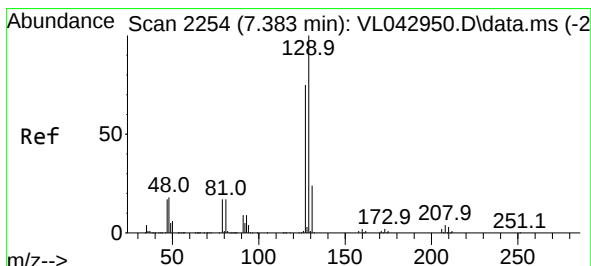
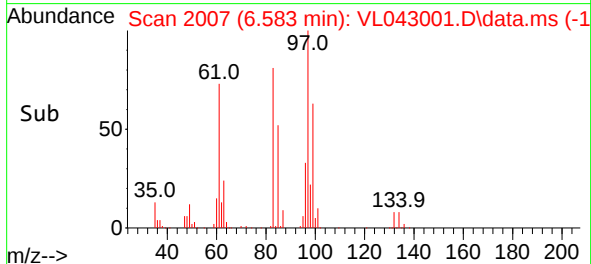
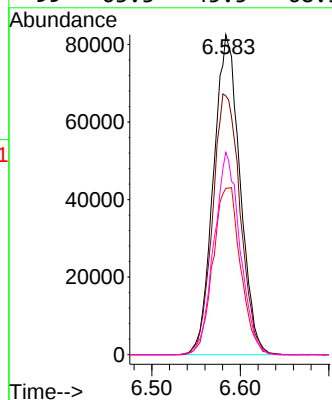
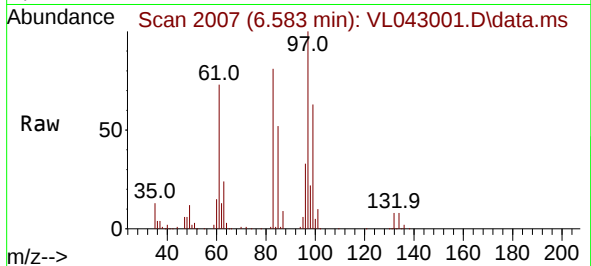




#47
1,1,2-Trichloroethane
Concen: 10.694 ppbv
RT: 6.583 min Scan# 2007
Delta R.T. 0.013 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

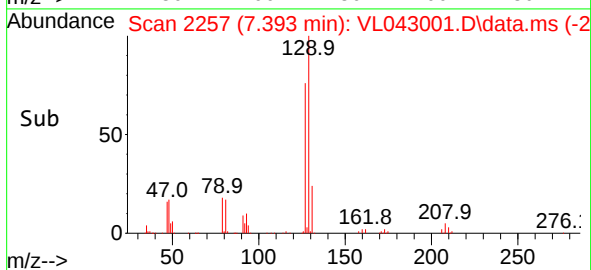
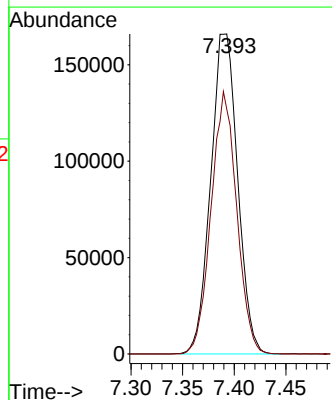
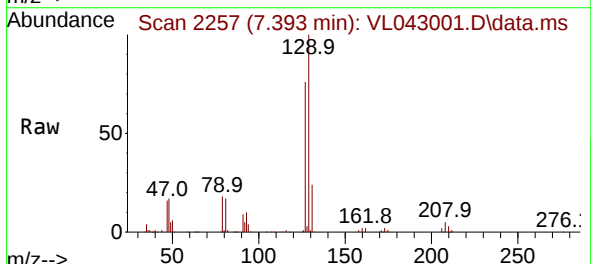
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

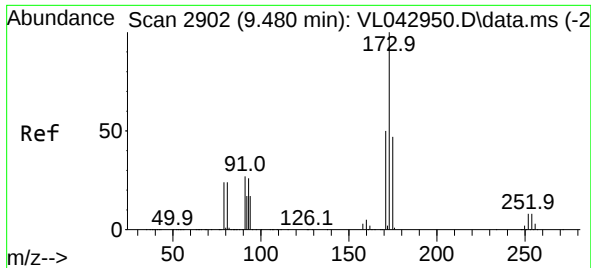
Tgt Ion: 97 Resp: 171612
Ion Ratio Lower Upper
97 100
83 80.8 68.7 103.1
85 52.0 40.6 60.8
99 63.3 45.5 68.3



#48
Dibromochloromethane
Concen: 11.758 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 129 Resp: 301861
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2

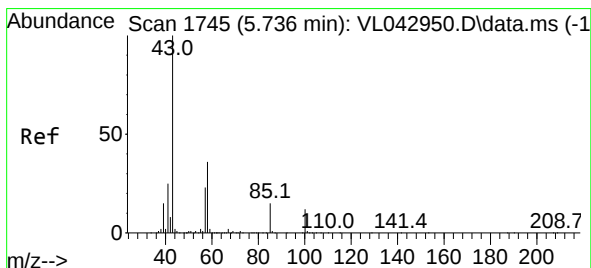
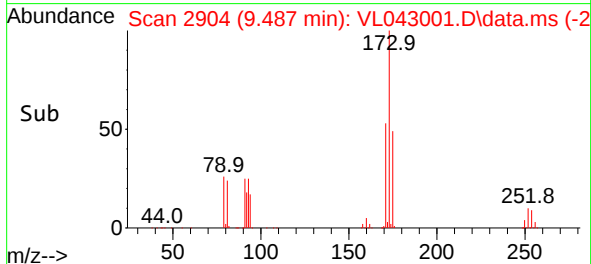
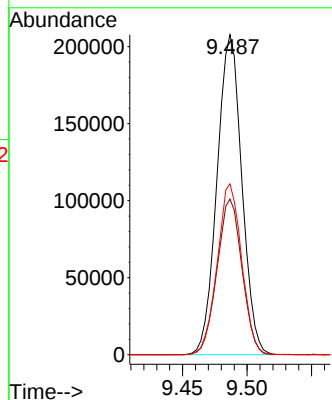
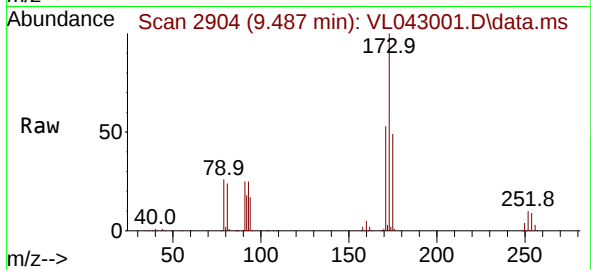




#49
Bromoform
Concen: 12.414 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

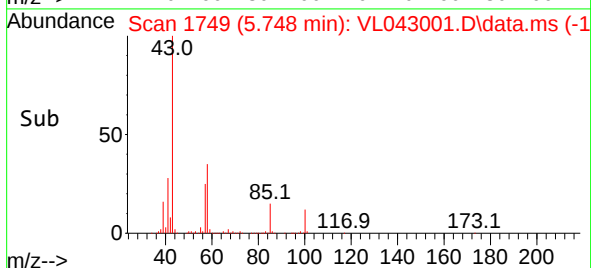
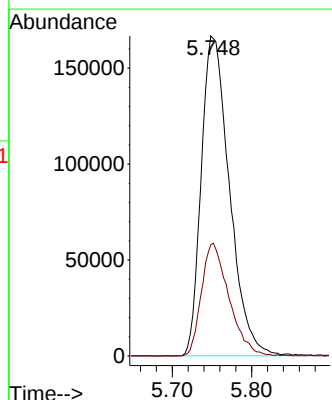
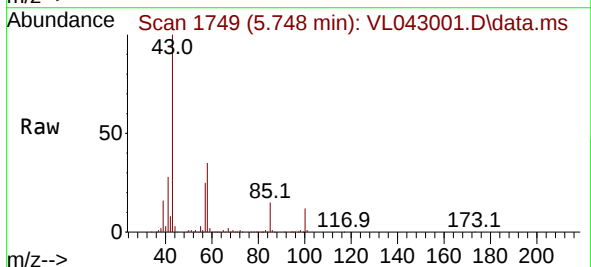
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

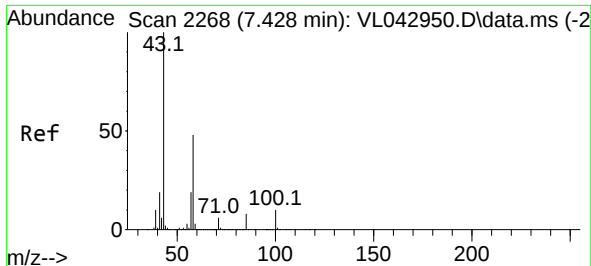
Tgt Ion:173 Resp: 277232
Ion Ratio Lower Upper
173 100
175 49.0 37.9 56.9
171 52.6 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 9.885 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.013 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 43 Resp: 411327
Ion Ratio Lower Upper
43 100
58 34.5 28.4 42.6

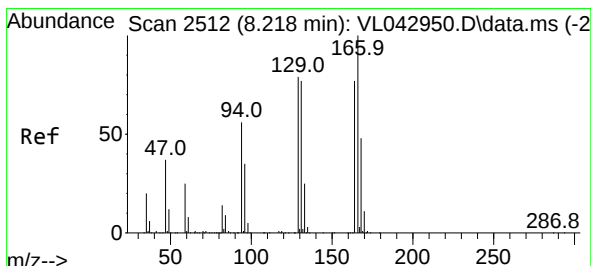
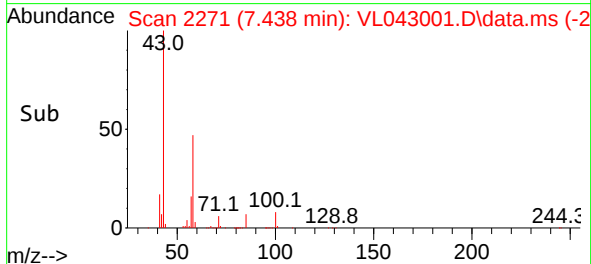
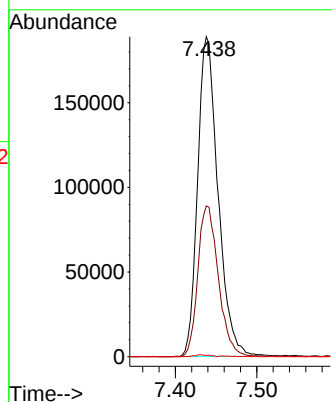
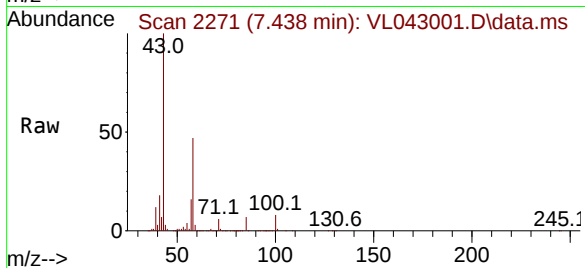




#51
2-Hexanone
Concen: 9.893 ppbv
RT: 7.438 min Scan# 211
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

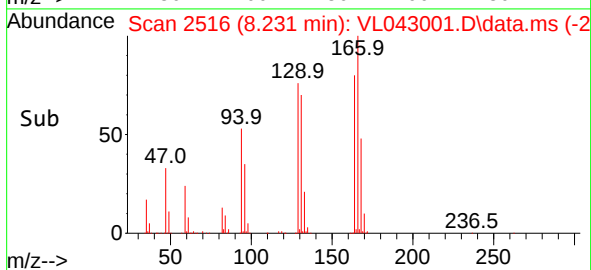
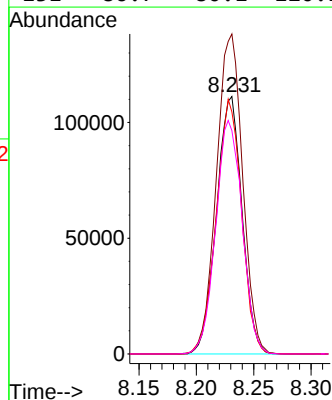
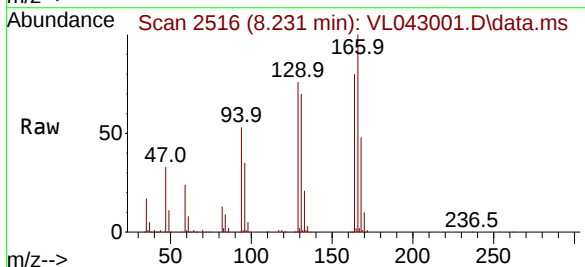
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

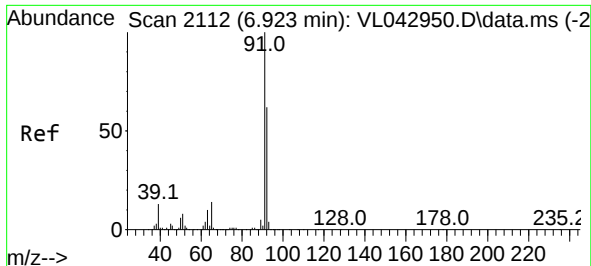
Tgt Ion: 43 Resp: 328162
Ion Ratio Lower Upper
43 100
58 47.7 39.7 59.5
98 0.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.736 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.013 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 164 Resp: 172805
Ion Ratio Lower Upper
164 100
166 124.3 103.5 155.3
129 94.0 82.2 123.4
131 86.7 80.1 120.1

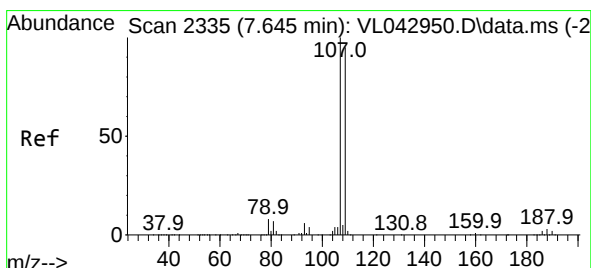
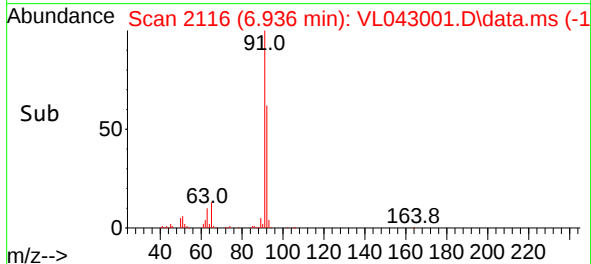
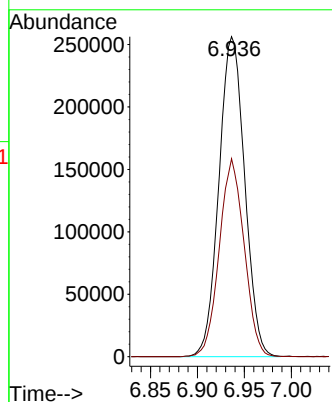
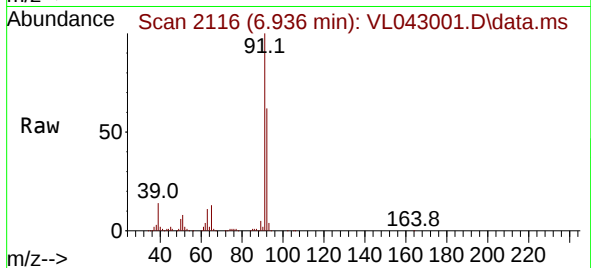




#53
Toluene
Concen: 9.928 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

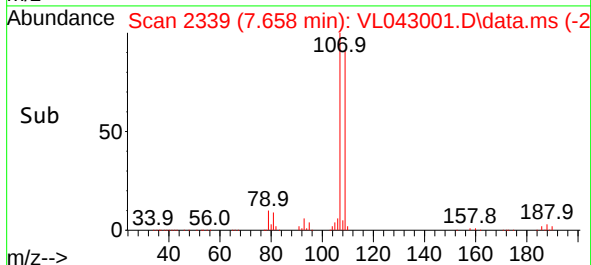
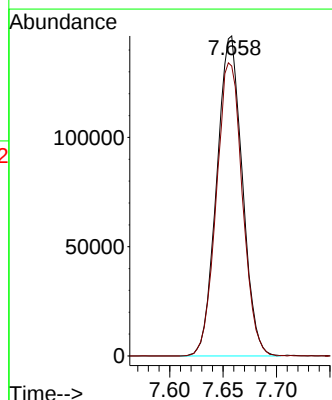
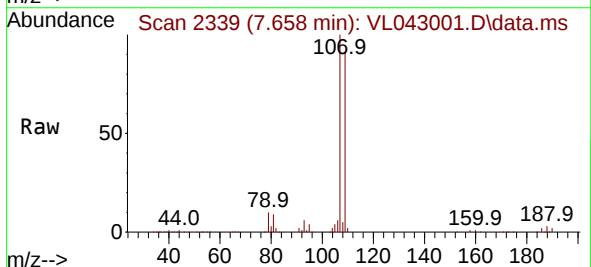
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

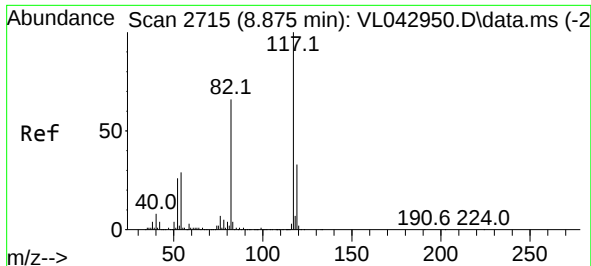
Tgt Ion: 91 Resp: 488825
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.2



#54
1,2-Dibromoethane
Concen: 10.814 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.013 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 107 Resp: 244249
Ion Ratio Lower Upper
107 100
109 90.6 75.8 113.8

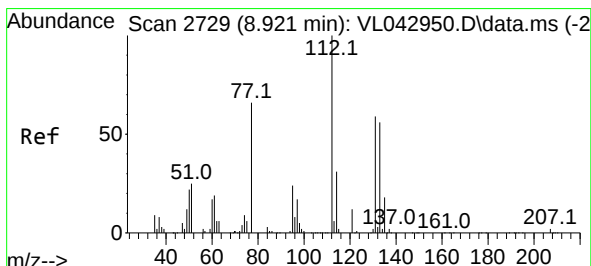
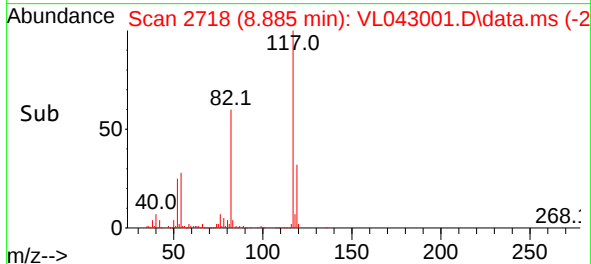
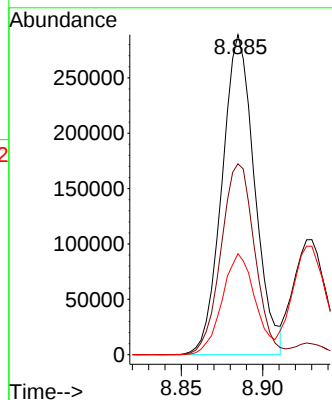
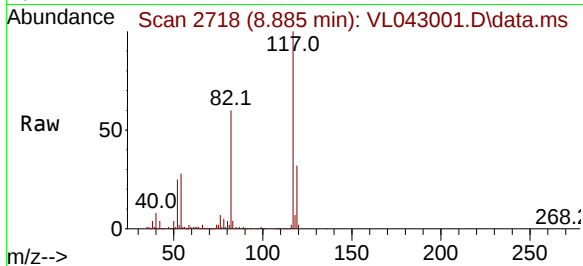




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

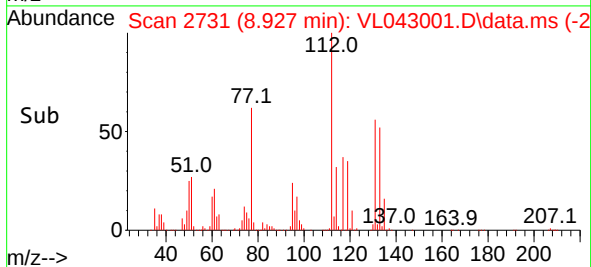
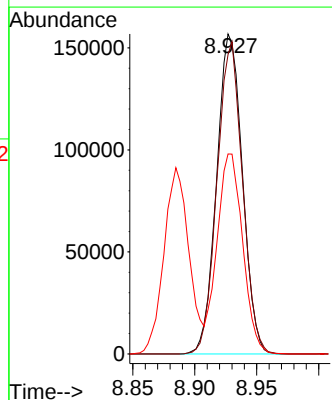
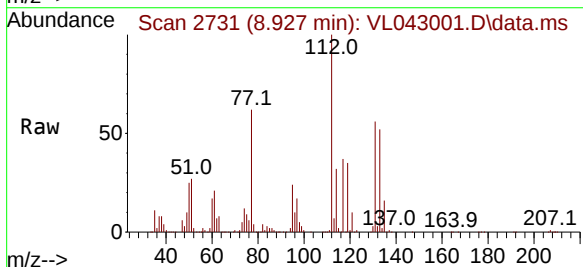
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

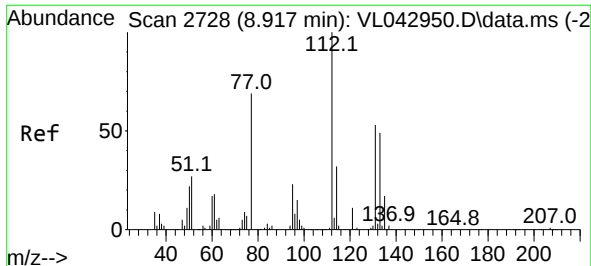
Tgt Ion:117 Resp: 402155
Ion Ratio Lower Upper
117 100
82 65.0 52.8 79.2
119 33.1 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 11.828 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion:131 Resp: 227668
Ion Ratio Lower Upper
131 100
133 96.1 76.6 114.8
119 63.1 49.9 74.9

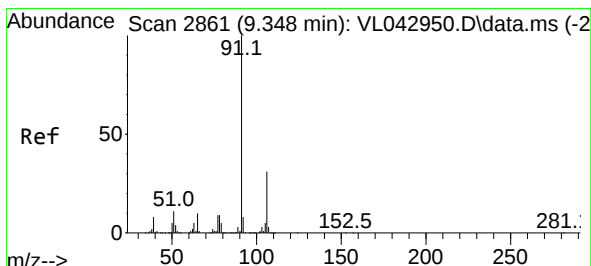
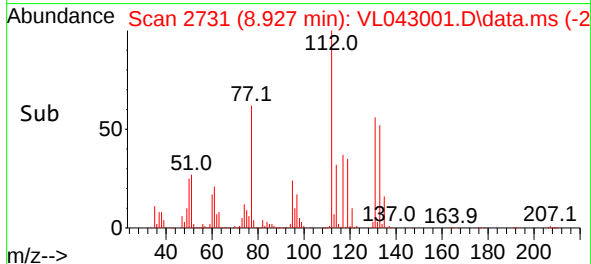
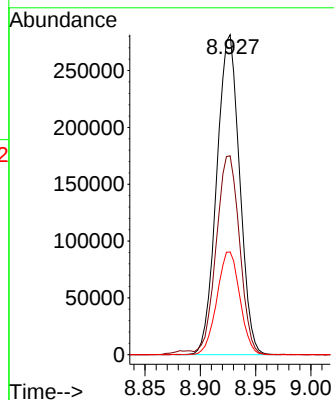
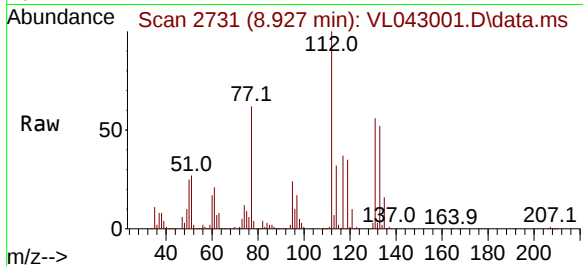




#57
Chlorobenzene
Concen: 11.044 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

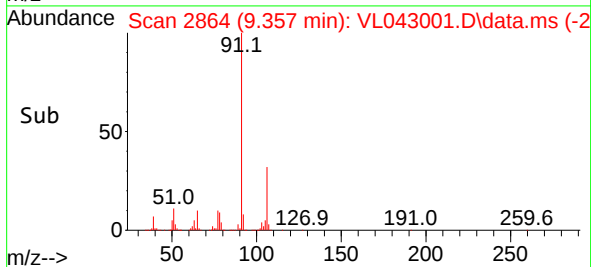
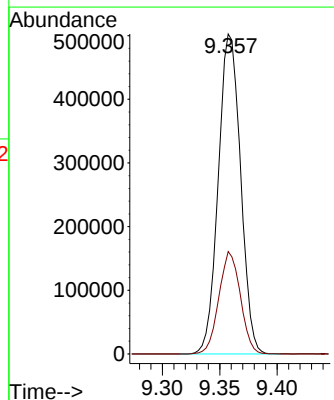
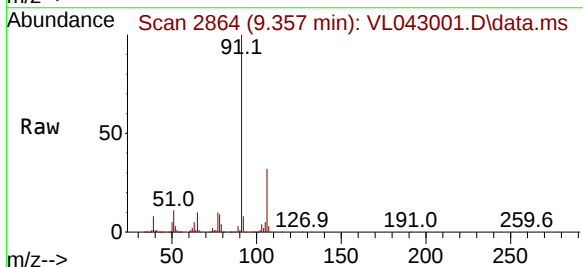
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

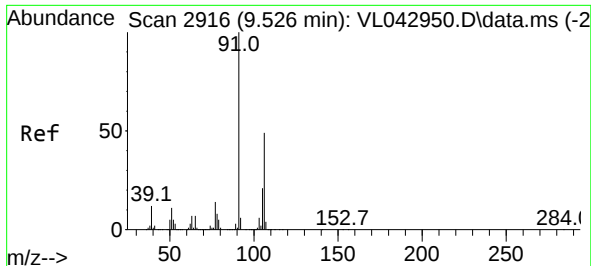
Tgt Ion:112 Resp: 405460
Ion Ratio Lower Upper
112 100
77 62.1 55.7 83.5
114 32.1 28.6 35.0



#58
Ethyl Benzene
Concen: 10.281 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 91 Resp: 678909
Ion Ratio Lower Upper
91 100
106 32.0 24.6 37.0

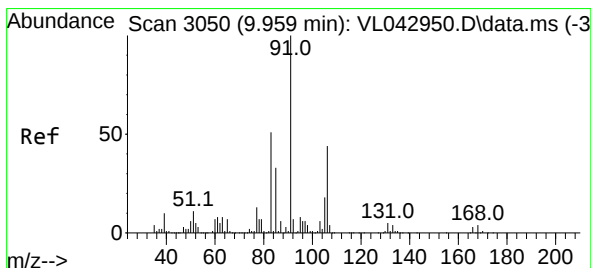
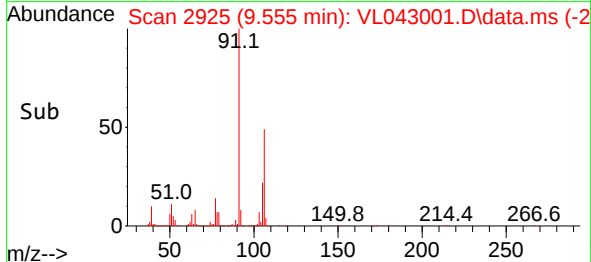
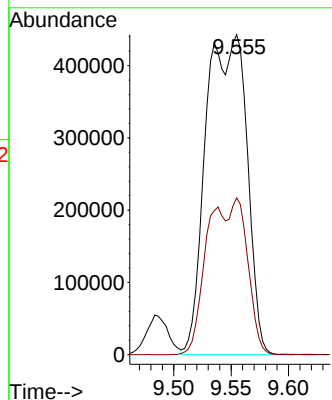
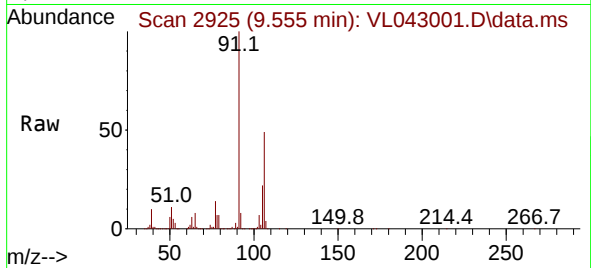




#59
m/p-Xylene
Concen: 21.119 ppbv m
RT: 9.555 min Scan# 2916
Delta R.T. 0.029 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

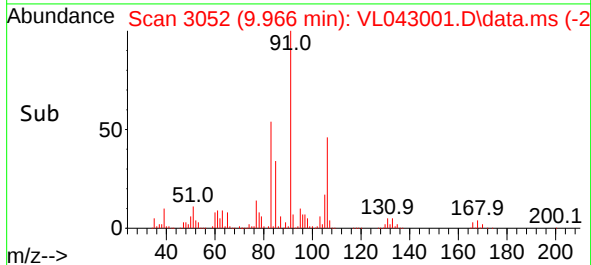
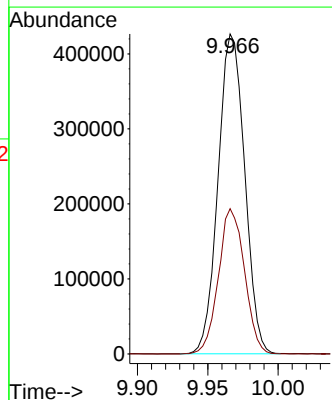
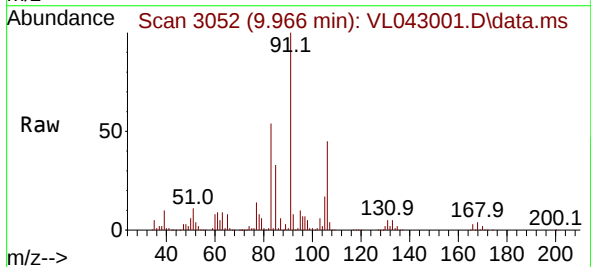
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

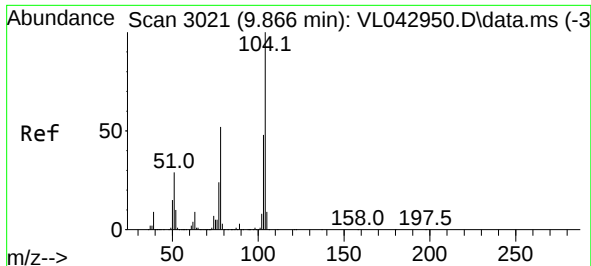
Tgt Ion: 91 Resp: 1099527
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 10.775 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 91 Resp: 560685
Ion Ratio Lower Upper
91 100
106 44.5 22.4 67.0





#61

Styrene

Concen: 9.879 ppbv

RT: 9.875 min Scan# 3021

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

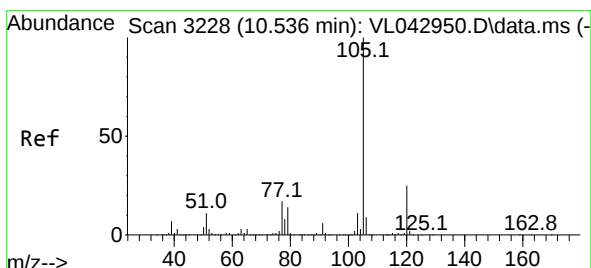
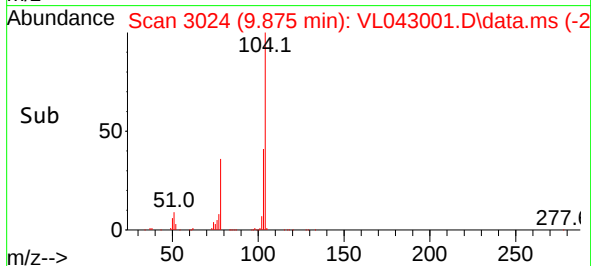
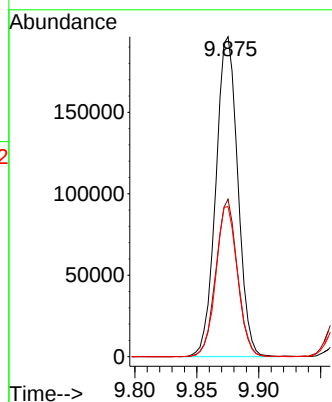
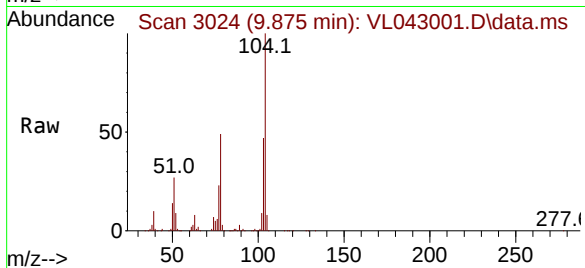
Tgt Ion:104 Resp: 243153

Ion Ratio Lower Upper

104 100

78 47.9 39.9 59.9

103 46.8 36.9 55.3



#62

Isopropylbenzene

Concen: 10.600 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.006 min

Lab File: VL043001.D

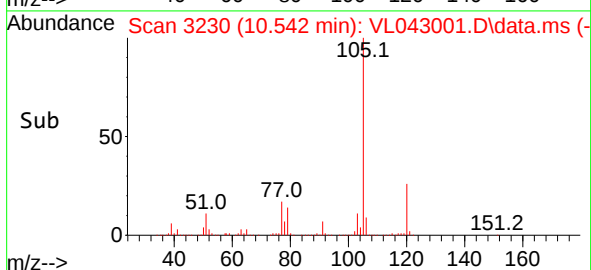
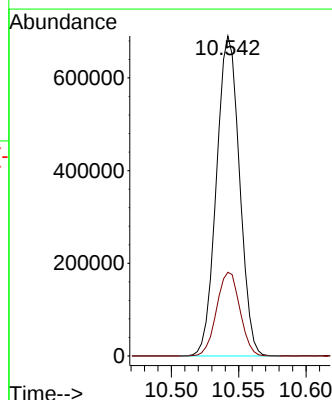
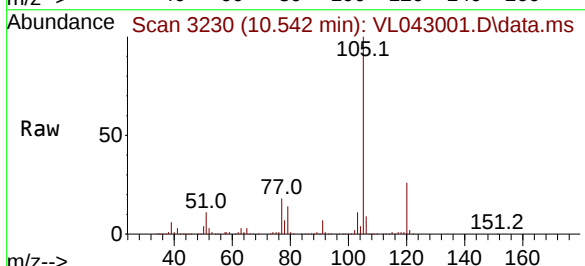
Acq: 24 Sep 2025 09:03

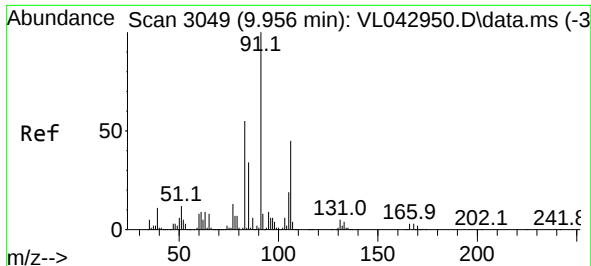
Tgt Ion:105 Resp: 822171

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.712 ppbv

RT: 9.966 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

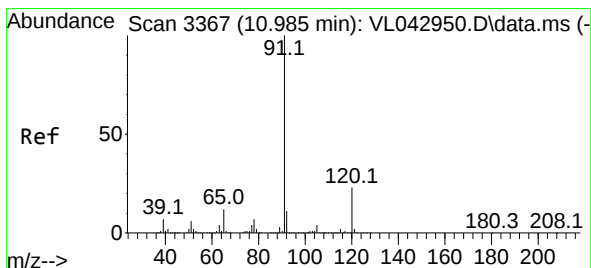
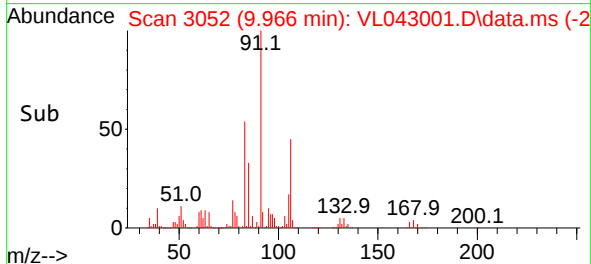
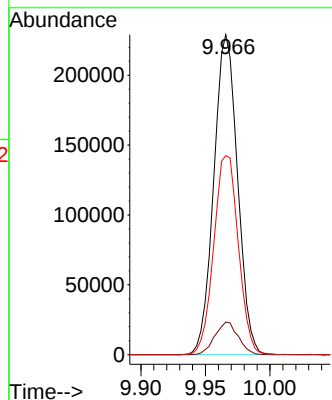
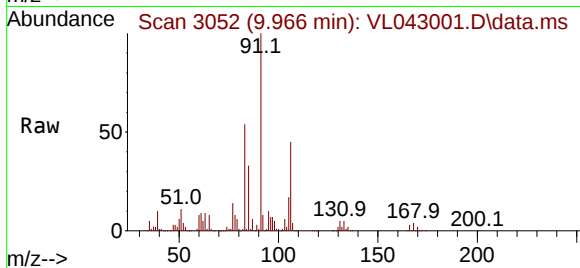
Tgt Ion: 83 Resp: 292957

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.4

85 64.4 32.2 96.6



#64

n-propylbenzene

Concen: 11.048 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.006 min

Lab File: VL043001.D

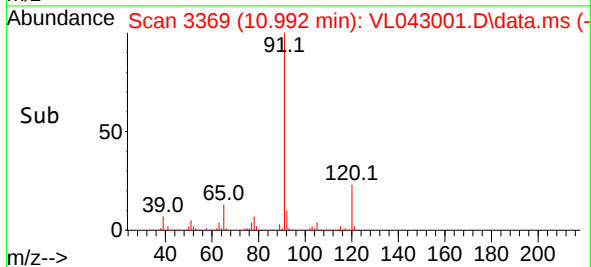
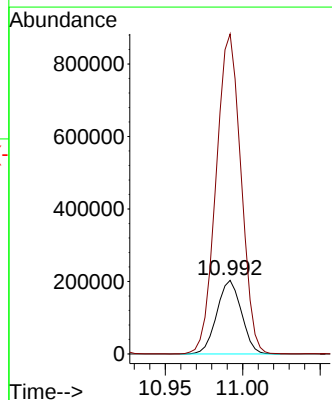
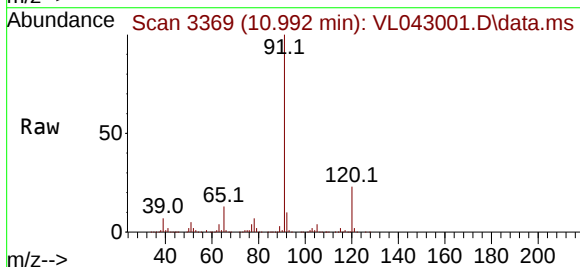
Acq: 24 Sep 2025 09:03

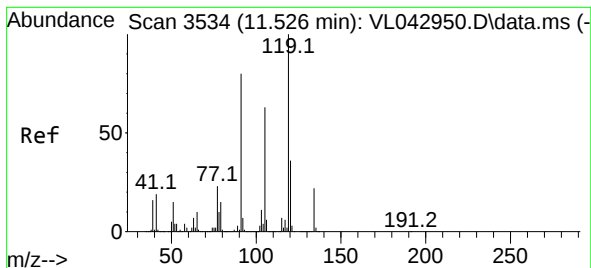
Tgt Ion: 120 Resp: 223909

Ion Ratio Lower Upper

120 100

91 442.0 364.9 547.3

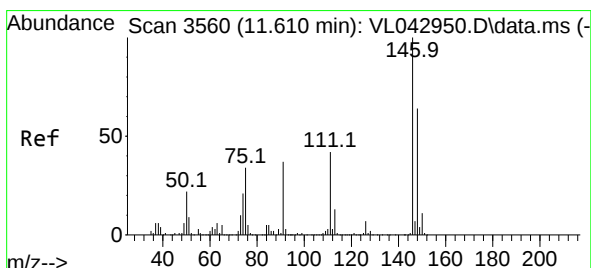
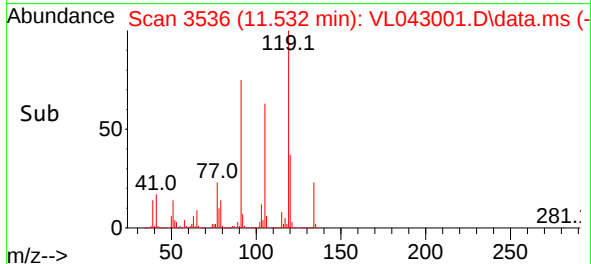
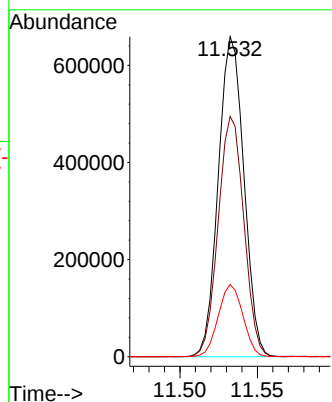
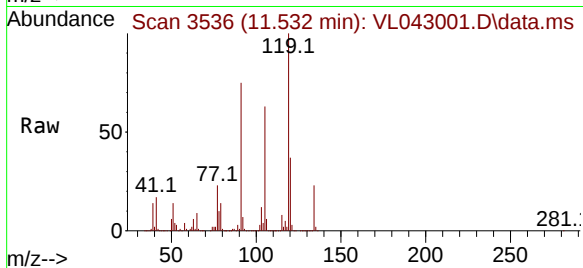




#65
 tert-Butylbenzene
 Concen: 10.966 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

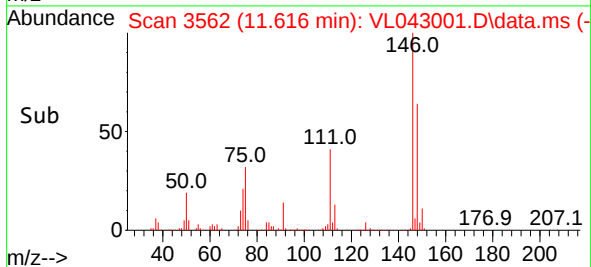
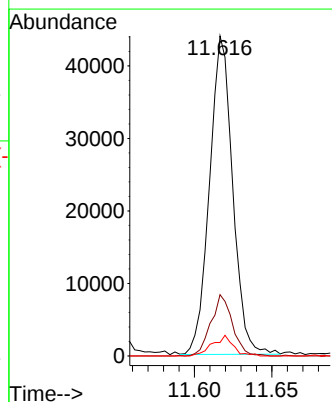
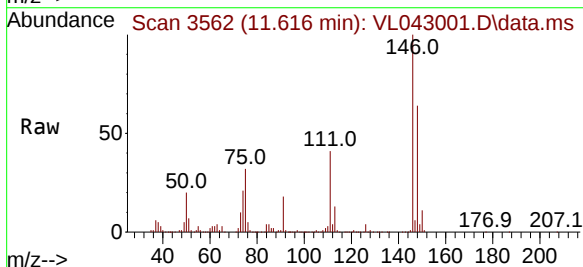
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

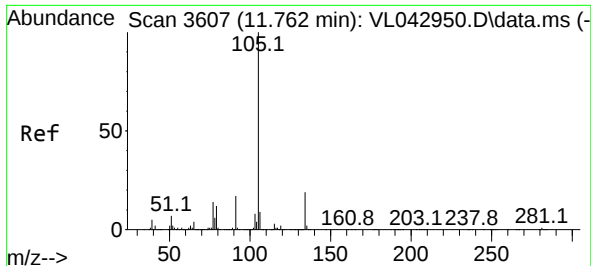
Tgt Ion:119 Resp: 756477
 Ion Ratio Lower Upper
 119 100
 91 75.4 63.1 94.7
 134 21.7 17.0 25.6



#66
 Benzyl Chloride
 Concen: 6.307 ppbv
 RT: 11.616 min Scan# 3562
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion: 91 Resp: 45655
 Ion Ratio Lower Upper
 91 100
 126 17.9 14.6 21.8
 128 5.9 5.0 7.4





#67

sec-Butylbenzene

Concen: 10.819 ppbv

RT: 11.769 min Scan# 3180

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

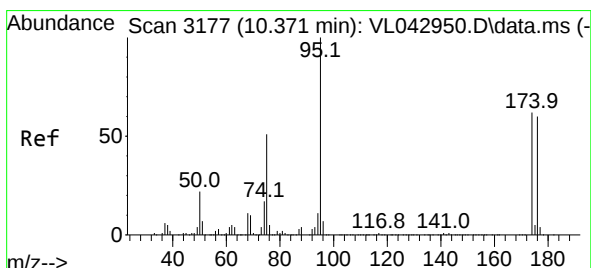
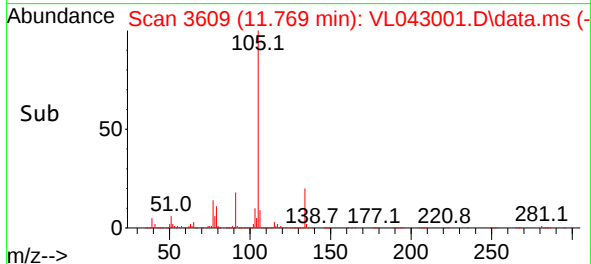
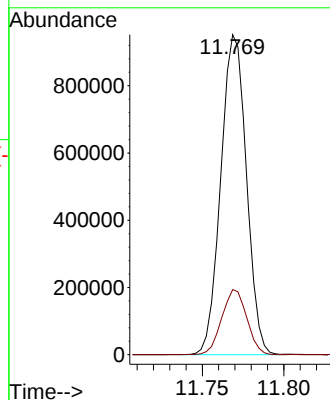
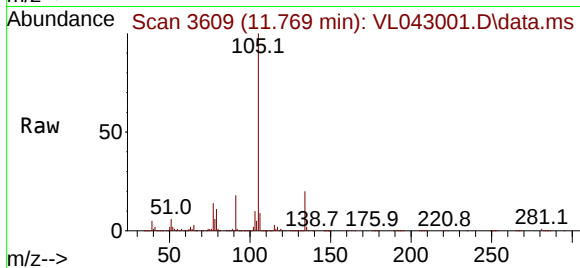
VSTDCCC010

Tgt Ion:105 Resp: 1040028

Ion Ratio Lower Upper

105 100

134 19.9 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.347 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.010 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

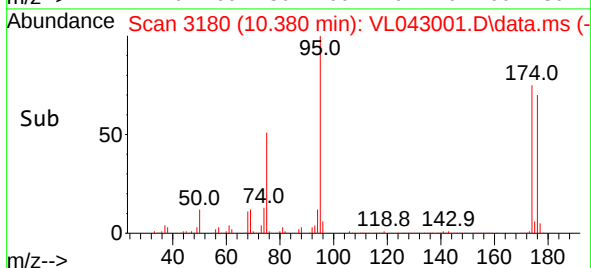
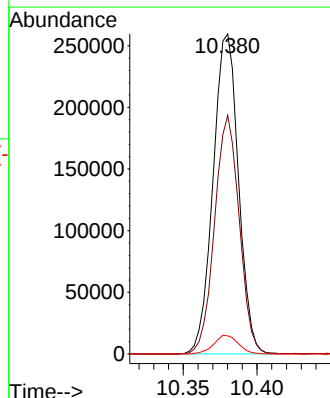
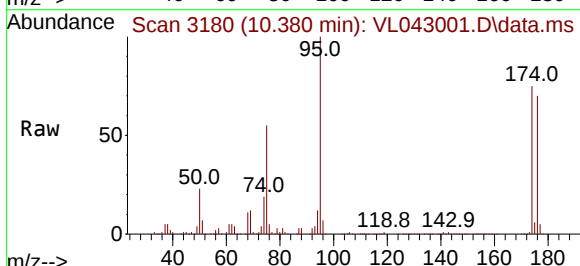
Tgt Ion: 95 Resp: 310628

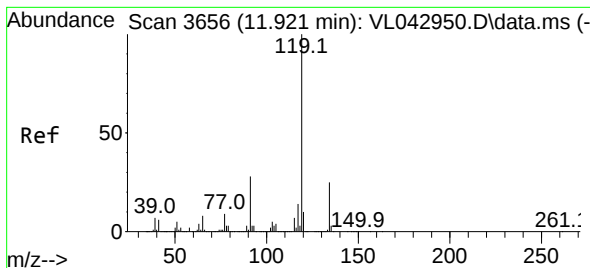
Ion Ratio Lower Upper

95 100

174 72.6 51.4 77.2

175 5.7 4.0 6.0

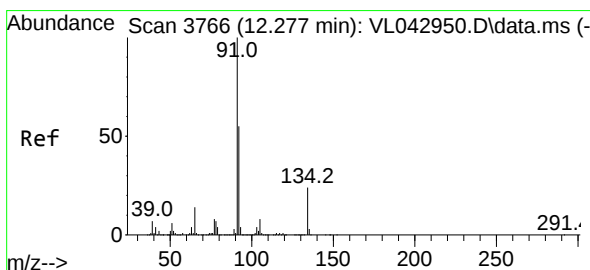
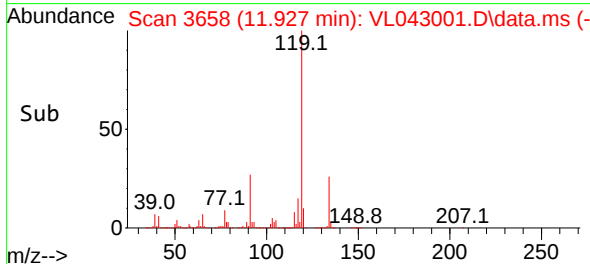
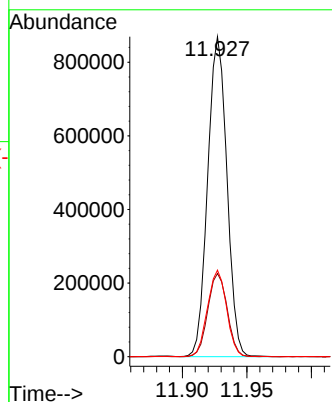
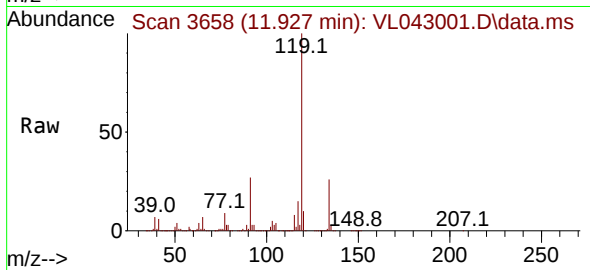




#69
 p-Isopropyltoluene
 Concen: 11.108 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

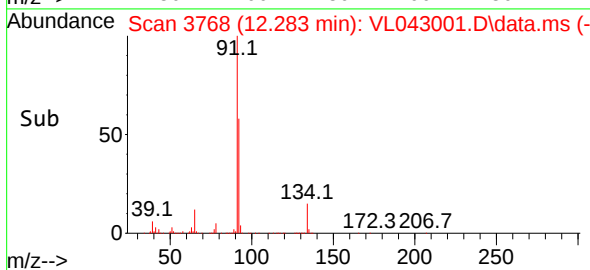
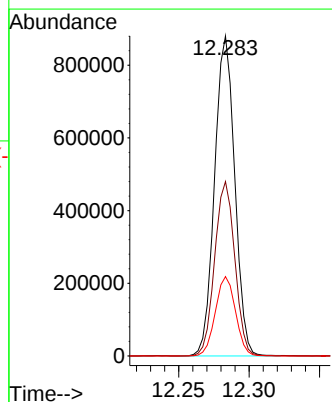
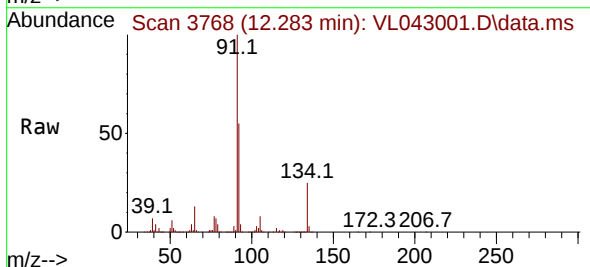
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

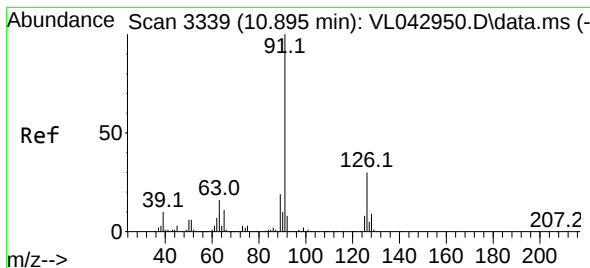
Tgt Ion:119 Resp: 901980
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.0 31.4
 91 26.9 22.3 33.5



#70
 n-Butylbenzene
 Concen: 11.045 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. 0.006 min
 Lab File: VL043001.D
 Acq: 24 Sep 2025 09:03

Tgt Ion: 91 Resp: 875593
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.0 66.0
 134 24.9 19.4 29.2

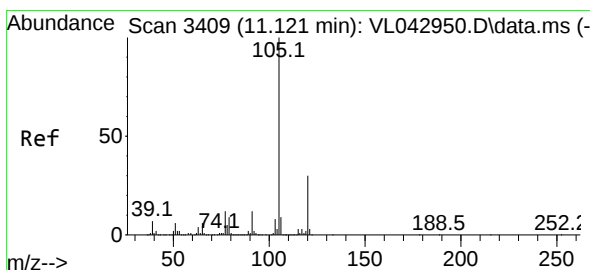
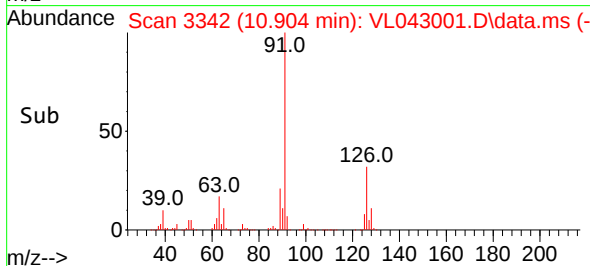
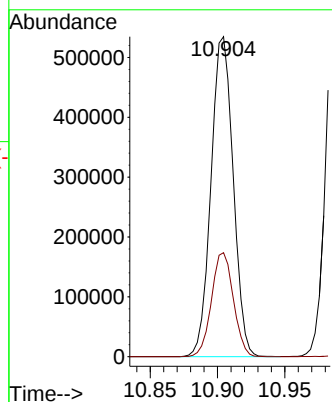
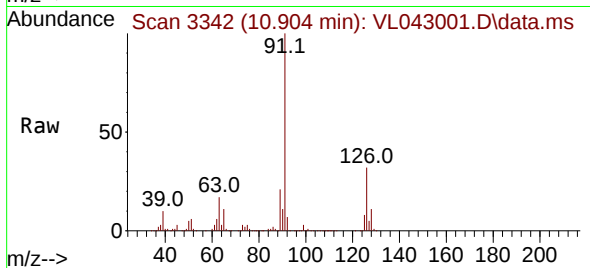




#71
2-Chlorotoluene
Concen: 10.452 ppbv
RT: 10.904 min Scan# 3111
Delta R.T. 0.010 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

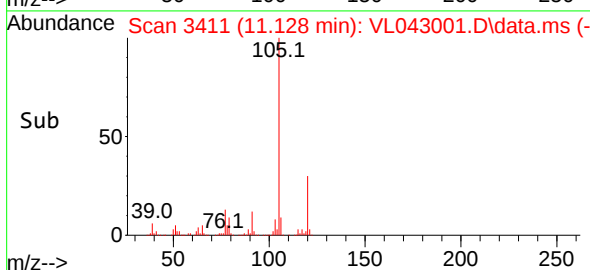
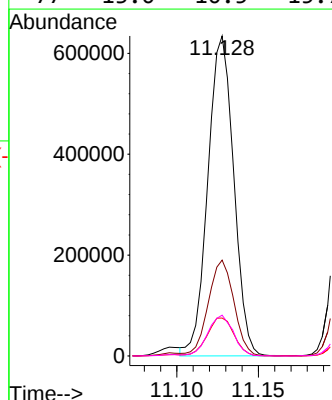
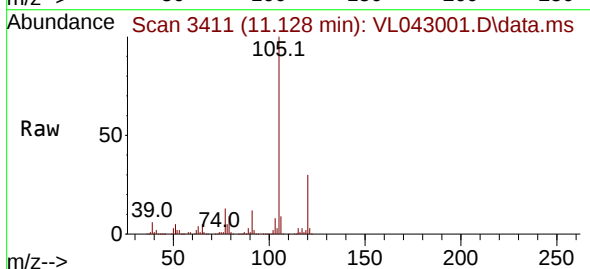
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

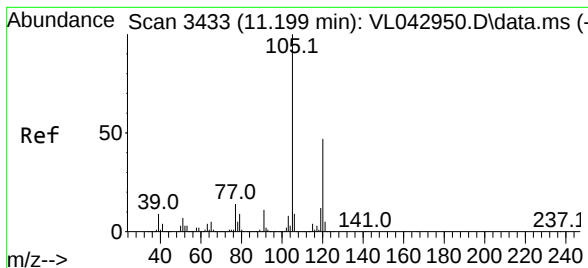
Tgt Ion: 91 Resp: 612123
Ion Ratio Lower Upper
91 100
126 32.1 12.3 49.3



#72
4-Ethyltoluene
Concen: 10.736 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion: 105 Resp: 699671
Ion Ratio Lower Upper
105 100
120 30.5 24.2 36.2
91 12.7 10.0 15.0
77 13.0 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 10.943 ppbv

RT: 11.205 min Scan# 3433

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_1

ClientSampleId :

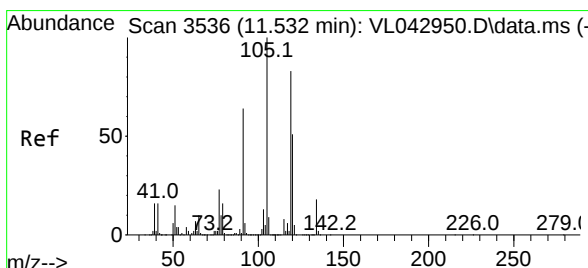
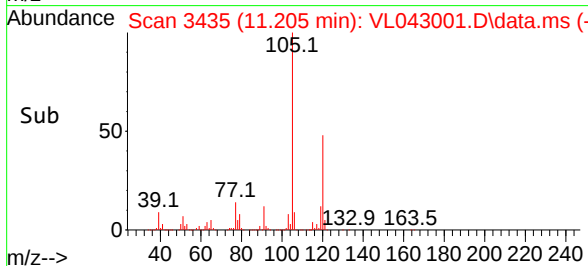
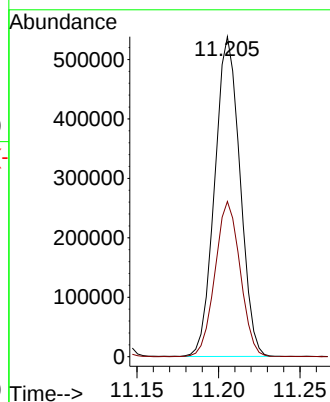
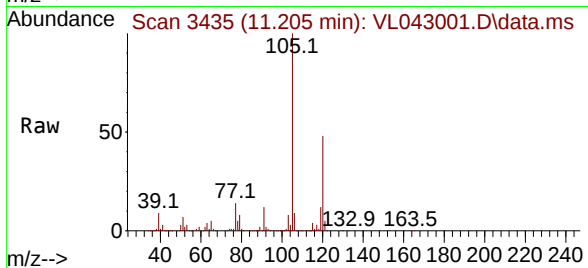
VSTDCCC010

Tgt Ion:105 Resp: 578371

Ion Ratio Lower Upper

105 100

120 48.5 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 11.077 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Tgt Ion:105 Resp: 646508

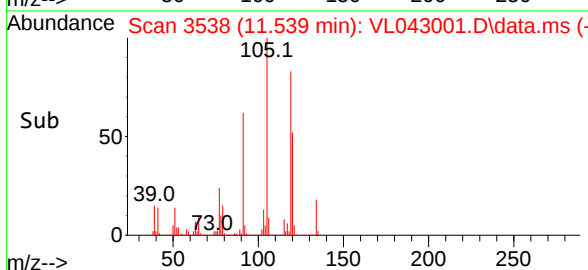
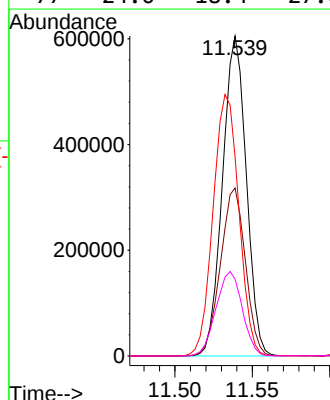
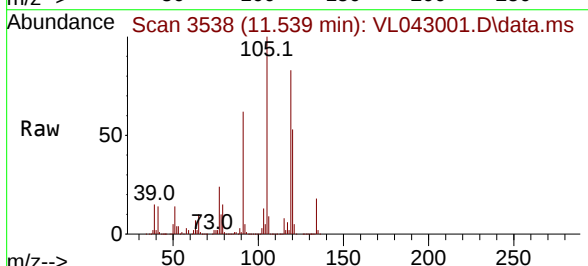
Ion Ratio Lower Upper

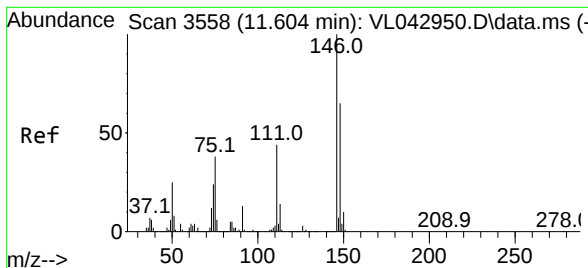
105 100

120 52.5 40.9 61.3

91 62.1 51.2 76.8

77 24.0 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 11.719 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

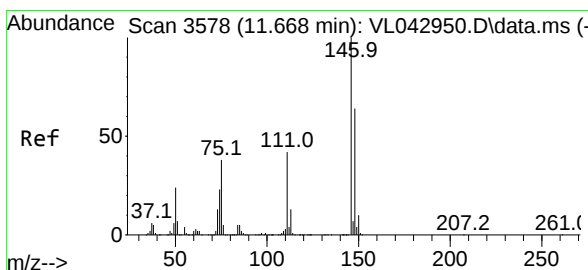
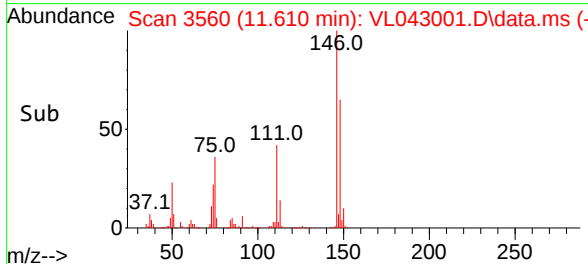
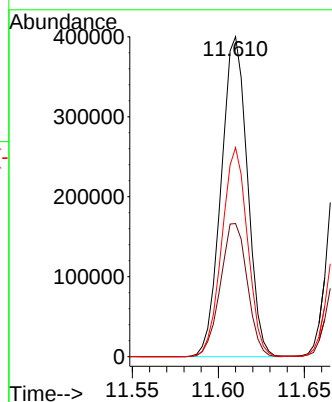
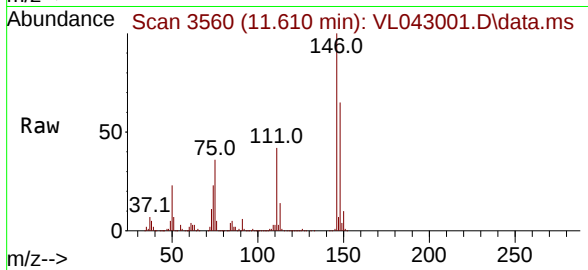
Tgt Ion:146 Resp: 424219

Ion Ratio Lower Upper

146 100

111 42.8 22.3 66.9

148 64.1 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.761 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

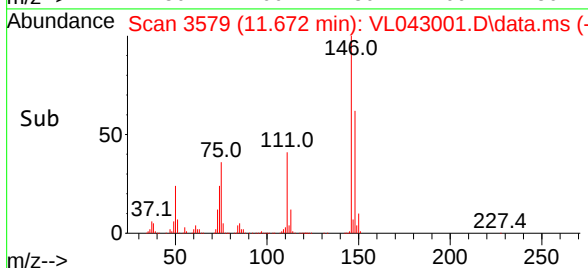
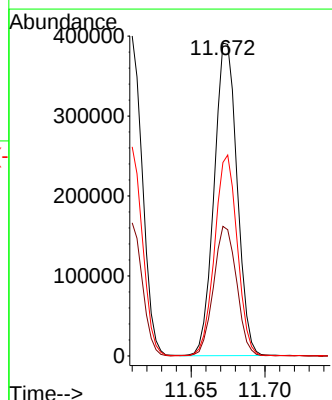
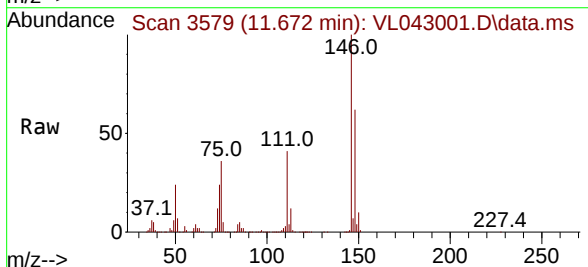
Tgt Ion:146 Resp: 422819

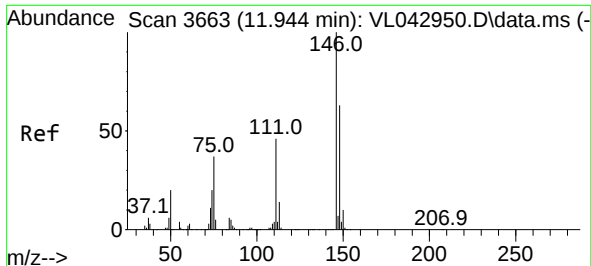
Ion Ratio Lower Upper

146 100

111 41.8 21.5 64.5

148 63.8 31.9 95.5

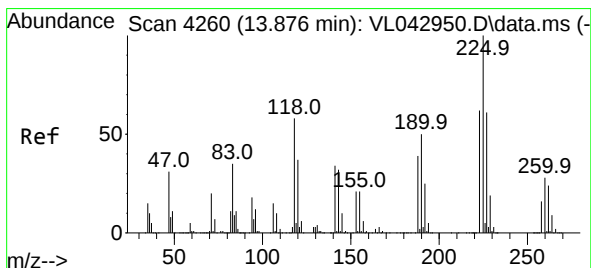
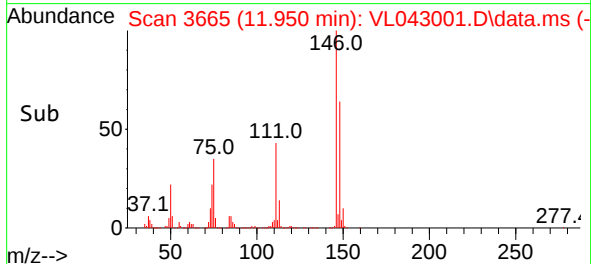
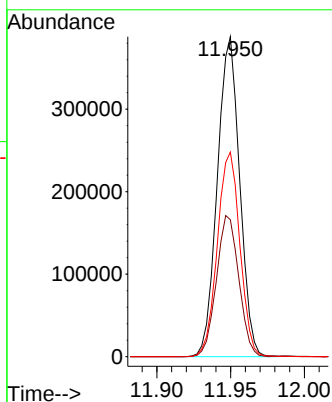
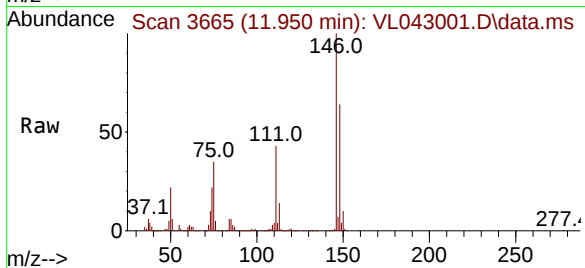




#77
1,2-Dichlorobenzene
Concen: 11.867 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

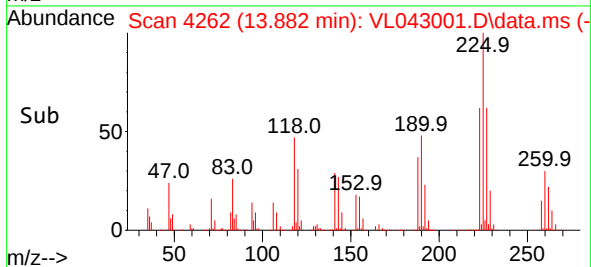
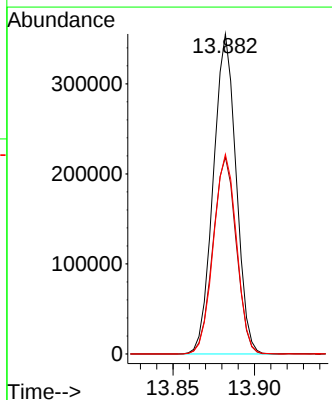
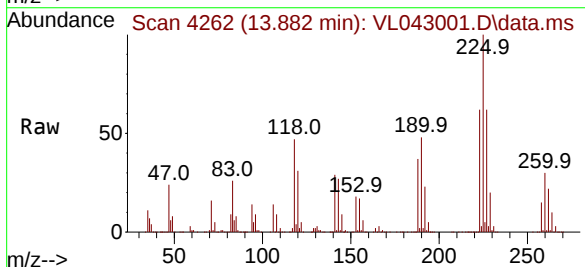
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

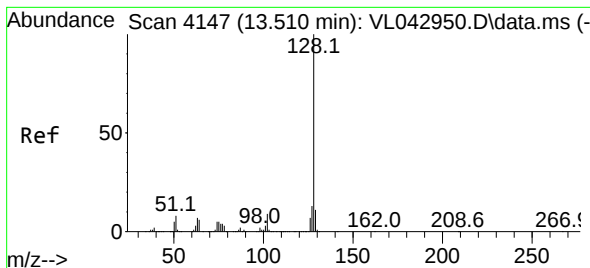
Tgt Ion:146 Resp: 408711
Ion Ratio Lower Upper
146 100
111 44.4 23.1 69.3
148 64.5 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 12.814 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.006 min
Lab File: VL043001.D
Acq: 24 Sep 2025 09:03

Tgt Ion:225 Resp: 345191
Ion Ratio Lower Upper
225 100
223 62.9 50.1 75.1
227 63.3 50.4 75.6





#79

Naphthalene

Concen: 11.757 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

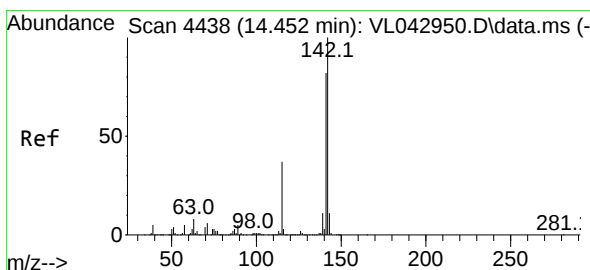
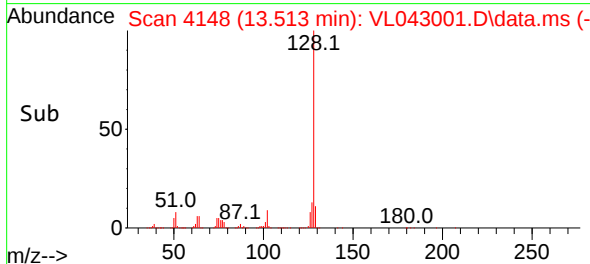
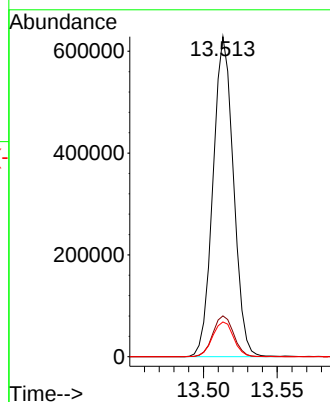
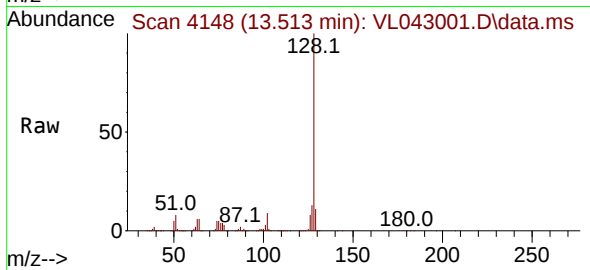
Tgt Ion:128 Resp: 606829

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.8 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 9.647 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL043001.D

Acq: 24 Sep 2025 09:03

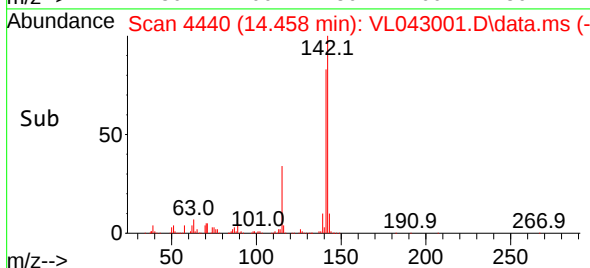
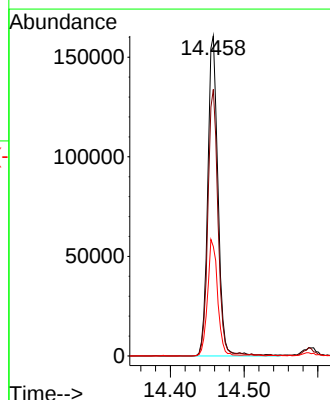
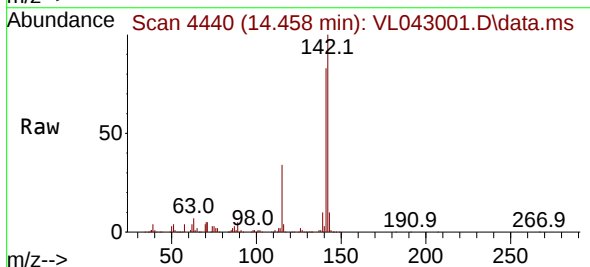
Tgt Ion:142 Resp: 153800

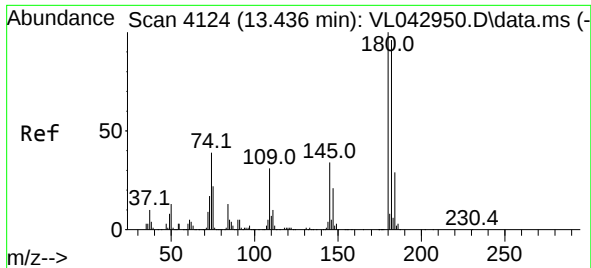
Ion Ratio Lower Upper

142 100

141 83.3 65.1 97.7

115 36.5 28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 12.808 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043001.D

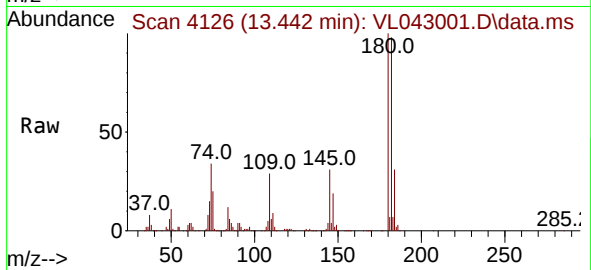
Acq: 24 Sep 2025 09:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 353451

Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

184 30.5 23.9 35.9

