

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Oct 09 01:12:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	178633	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	491196	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	404989	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	316847	10.860	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	300021	9.965	ppbv	100
3) Chlorodifluoromethane	1.479	51	285882	9.816	ppbv	99
4) Chloromethane	1.534	50	110739	10.070	ppbv	100
5) Vinyl Chloride	1.583	62	102462	9.817	ppbv	99
6) Bromomethane	1.670	94	47015	10.025	ppbv	100
7) Chloroethane	1.706	64	43231	9.927	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	244404	9.907	ppbv	100
9) Propene	1.486	41	110049	9.371	ppbv	97
10) Heptane	4.988	43	317138	10.984	ppbv	100
11) Trichlorofluoromethane	1.881	101	308928	9.985	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	235021	9.645	ppbv	100
13) Ethanol	1.722	45	4836	10.094	ppbv	94
14) Bromoethene	1.784	108	84786	9.705	ppbv	99
15) Acetone	1.835	43	218946	8.754	ppbv	99
16) 1,3-Butadiene	1.612	39	102003	9.892	ppbv	98
17) tert-Butyl alcohol	2.042	59	253647	9.587	ppbv	99
18) 1,1-Dichloroethene	2.036	96	102910	9.634	ppbv	96
19) Isopropyl Alcohol	1.887	45	110173	9.194	ppbv	95
20) Methylene Chloride	2.065	84	91496	8.381	ppbv	96
21) Allyl Chloride	2.097	41	156853	9.789	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	116424	9.600	ppbv	99
23) Vinyl Acetate	2.466	43	41001	7.721	ppbv #	95
24) 1,1-Dichloroethane	2.411	63	225799	9.822	ppbv	99
25) Ethyl Acetate	2.839	43	640475	10.207	ppbv	100
26) Hexane	2.829	57	254276	10.535	ppbv	100
27) Carbon Disulfide	2.152	76	285988	10.036	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	138930	9.198	ppbv	99
29) Chloroform	2.852	83	400562	9.734	ppbv	98
30) Cyclohexane	3.861	84	206027	10.388	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	237742	9.582	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	380576	9.516	ppbv	99
34) 2-Butanone	2.560	43	339746	10.194	ppbv	100
35) Carbon Tetrachloride	3.768	117	410481	10.157	ppbv	99
36) Benzene	3.664	78	497724	10.606	ppbv	99
37) 1,2-Dichloroethane	3.224	62	293620	10.564	ppbv	99
38) Trichloroethene	4.554	130	207337	10.606	ppbv	98
39) 1,2-Dichloropropane	4.321	63	183162	10.529	ppbv	93
40) 1,4-Dioxane	4.586	88	79156	10.609	ppbv #	93
41) Tetrahydrofuran	3.055	42	192469	11.173	ppbv	99
42) Bromodichloromethane	4.496	83	414498	10.561	ppbv	99
43) Methyl Methacrylate	4.887	69	173411	11.131	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	858487	11.400	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	146489	10.275	ppbv	95

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 09 01:12:11 2025
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

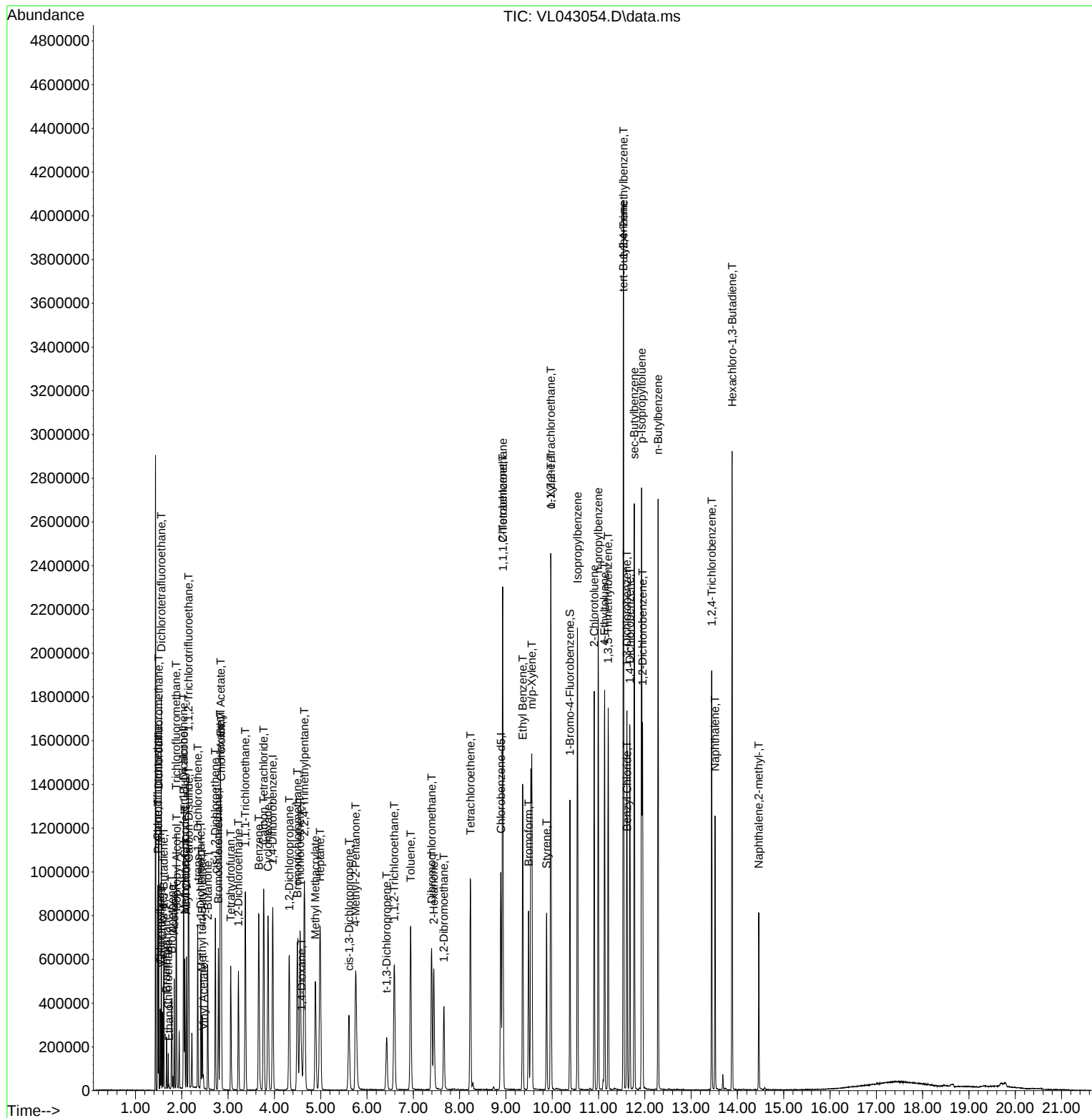
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	214603	10.684	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	198270	10.247	ppbv	97
48) Dibromochloromethane	7.396	129	331247	10.490	ppbv	99
49) Bromoform	9.490	173	278004	10.541	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	476185	11.716	ppbv	98
51) 2-Hexanone	7.441	43	357942	12.373	ppbv #	97
52) Tetrachloroethene	8.234	164	171023	9.842	ppbv	99
53) Toluene	6.943	91	537460	11.344	ppbv	99
54) 1,2-Dibromoethane	7.661	107	241443	10.528	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	263217	10.662	ppbv	99
57) Chlorobenzene	8.930	112	448132	10.467	ppbv	99
58) Ethyl Benzene	9.360	91	746366	11.896	ppbv	99
59) m/p-Xylene	9.558	91	610546	11.537	ppbv #	24
60) o-Xylene	9.969	91	631124	11.972	ppbv	99
61) Styrene	9.878	104	265817	12.037	ppbv	100
62) Isopropylbenzene	10.545	105	937727	11.588	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	385656	10.198	ppbv	100
64) n-propylbenzene	10.995	120	243735	11.774	ppbv	98
65) tert-Butylbenzene	11.535	119	832617	11.561	ppbv	100
66) Benzyl Chloride	11.620	91	28811	10.467	ppbv	100
67) sec-Butylbenzene	11.772	105	1140714	11.350	ppbv	100
69) p-Isopropyltoluene	11.930	119	944301	11.550	ppbv	100
70) n-Butylbenzene	12.286	91	913129	11.600	ppbv	100
71) 2-Chlorotoluene	10.908	91	669943	11.439	ppbv	99
72) 4-Ethyltoluene	11.131	105	747654	11.916	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	622884	11.476	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	701955	11.459	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	408359	10.249	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	404912	10.658	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	393683	9.920	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	292935	10.593	ppbv	99
79) Naphthalene	13.516	128	541487	10.391	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	203182	8.485	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	308127	13.050	ppbv	99

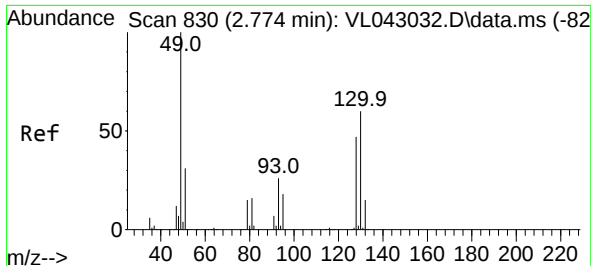
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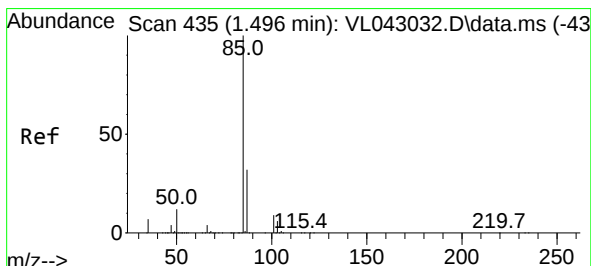
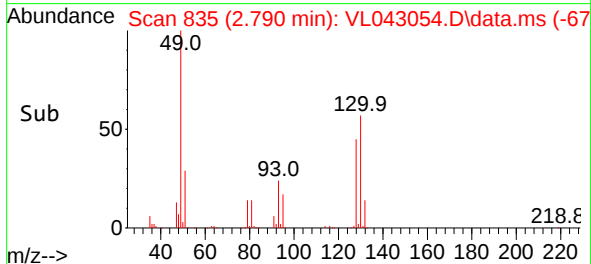
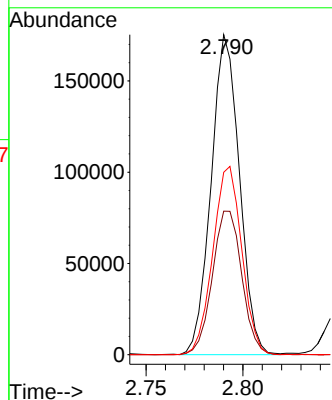
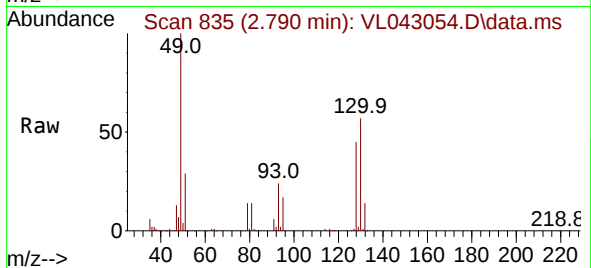




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

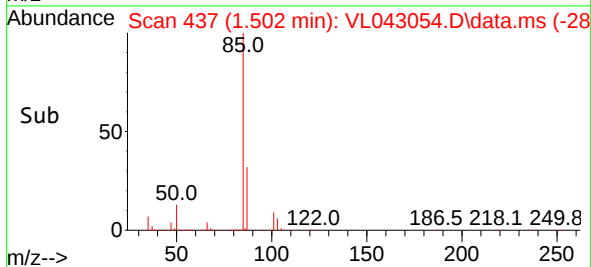
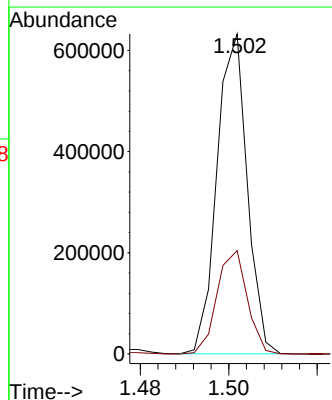
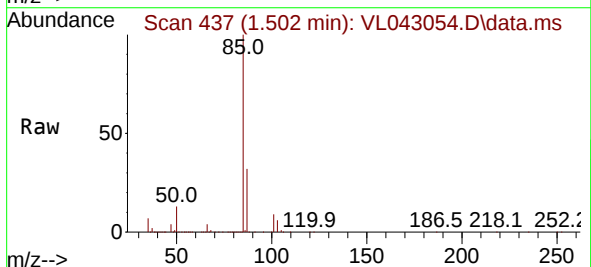
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MSVOA_L
ClientSampleId :
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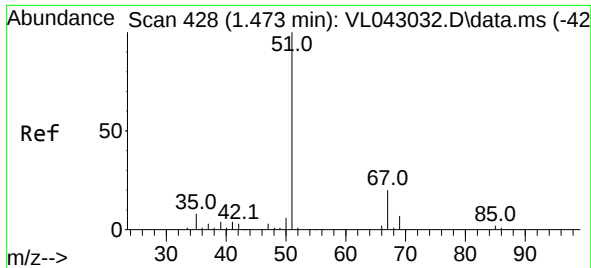
Tgt Ion: 49 Resp: 178633
Ion Ratio Lower Upper
49 100
128 46.6 24.1 72.2
130 60.1 31.4 94.3



#2
Dichlorodifluoromethane
Concen: 9.965 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 85 Resp: 300021
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.6

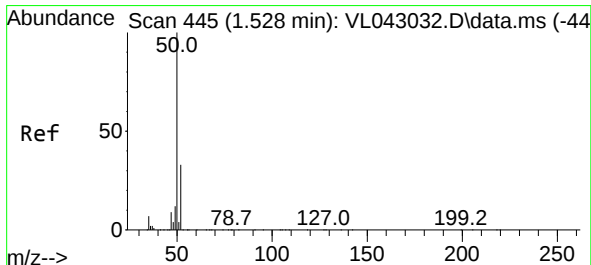
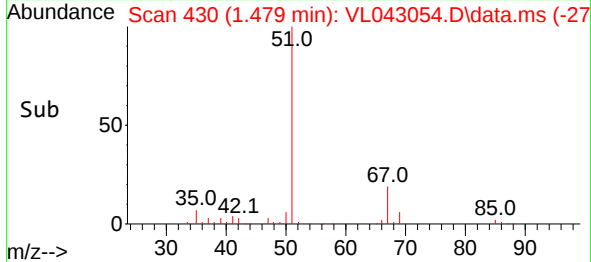
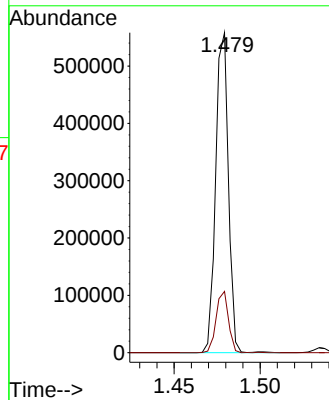
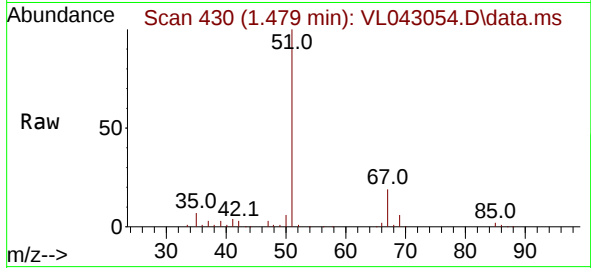




#3
Chlorodifluoromethane
Concen: 9.816 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

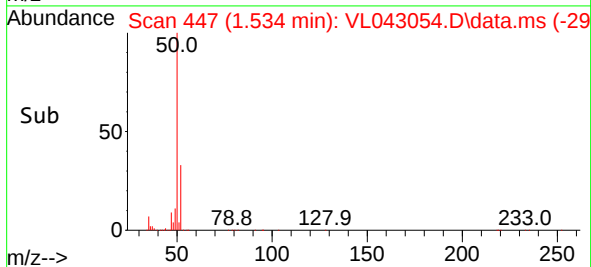
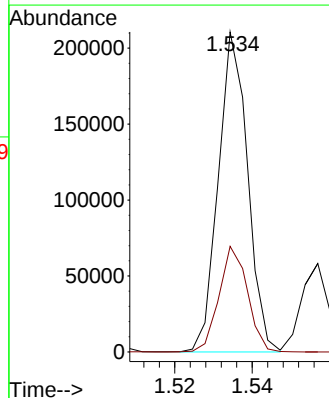
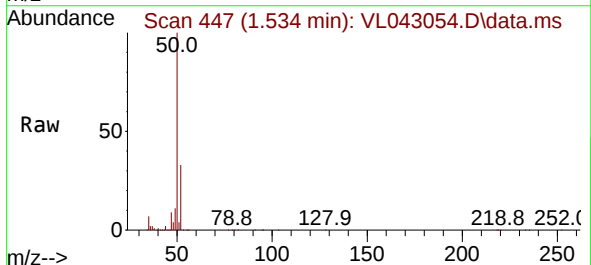
Instrument :
MSVOA_L
ClientSampleId :
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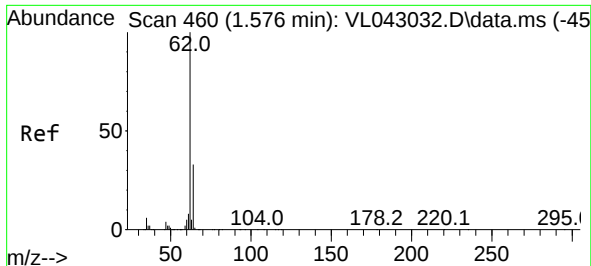
Tgt Ion: 51 Resp: 285882
Ion Ratio Lower Upper
51 100
67 18.7 15.1 22.7



#4
Chloromethane
Concen: 10.070 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 50 Resp: 110739
Ion Ratio Lower Upper
50 100
52 33.0 26.2 39.2

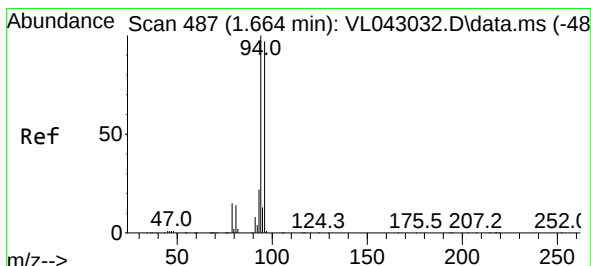
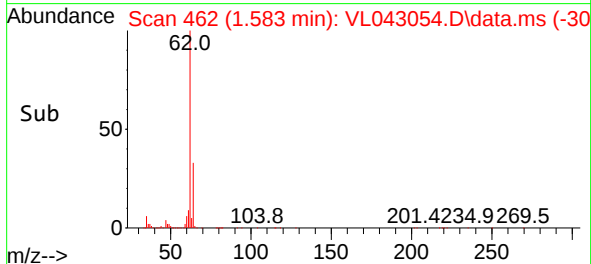
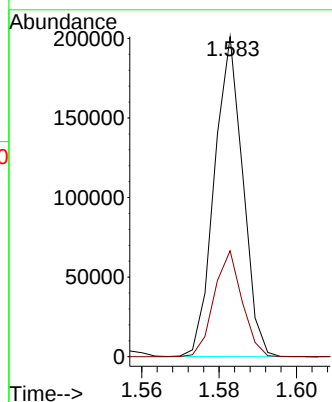
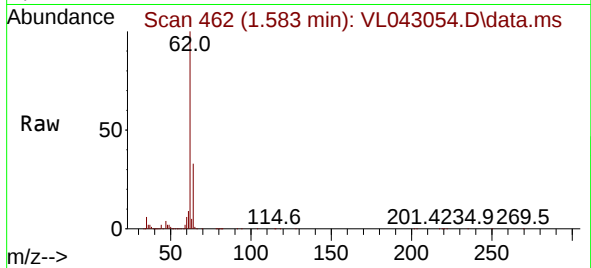




#5
 Vinyl Chloride
 Concen: 9.817 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.006 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

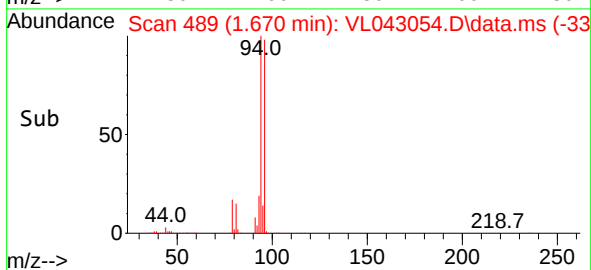
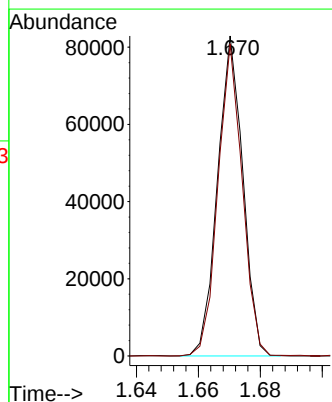
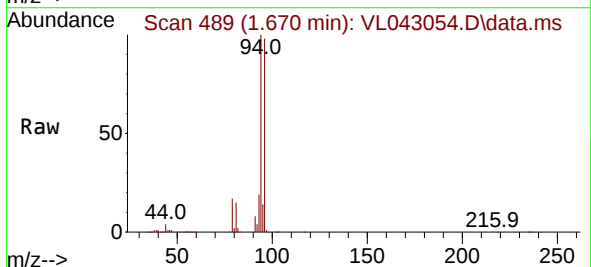
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

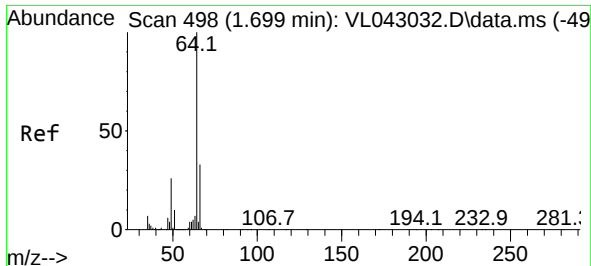
Tgt Ion: 62 Resp: 102462
 Ion Ratio Lower Upper
 62 100
 64 33.1 26.2 39.2



#6
 Bromomethane
 Concen: 10.025 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.006 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 94 Resp: 47015
 Ion Ratio Lower Upper
 94 100
 96 97.5 77.6 116.4

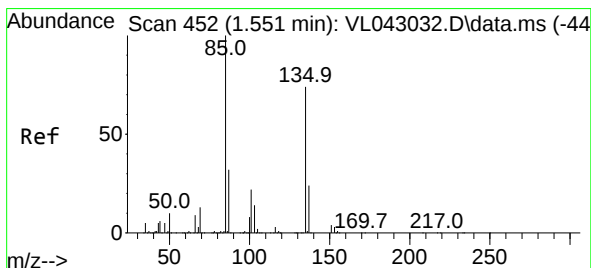
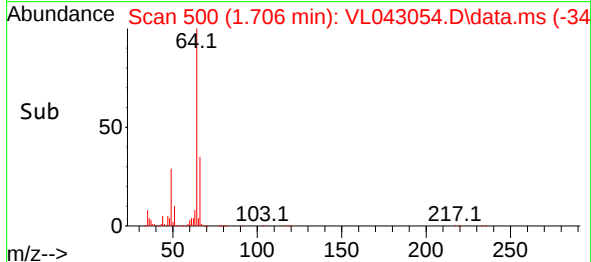
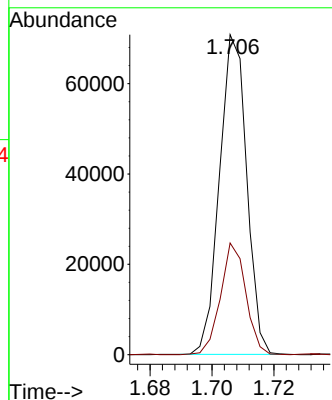
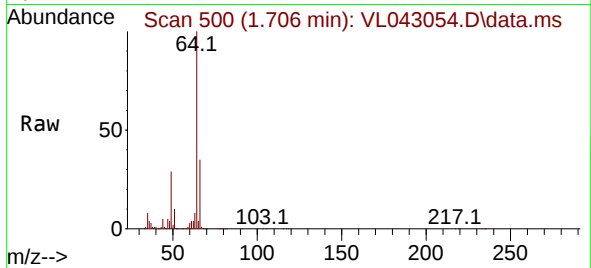




#7
Chloroethane
Concen: 9.927 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

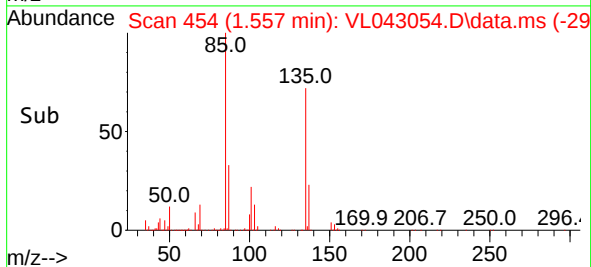
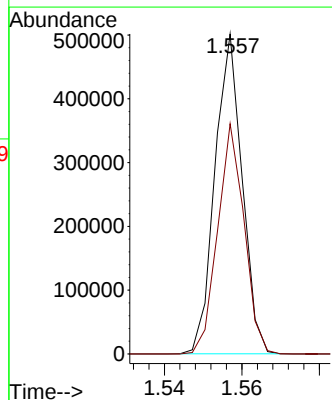
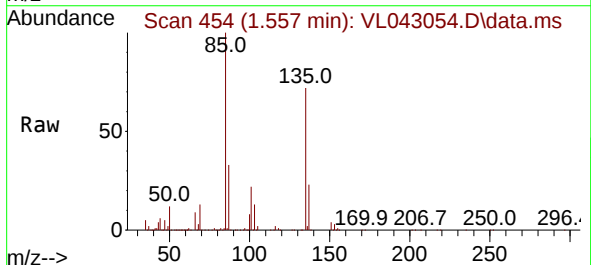
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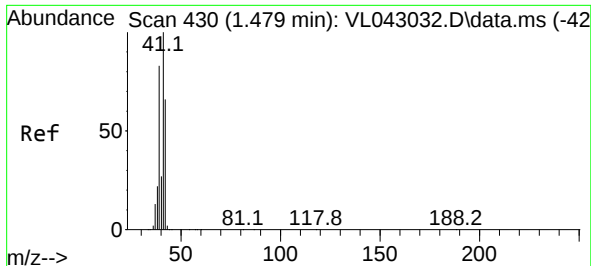
Tgt Ion: 64 Resp: 43231
Ion Ratio Lower Upper
64 100
66 34.9 26.6 39.8



#8
Dichlorotetrafluoroethane
Concen: 9.907 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 85 Resp: 244404
Ion Ratio Lower Upper
85 100
135 70.0 56.3 84.5





#9

Propene

Concen: 9.371 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

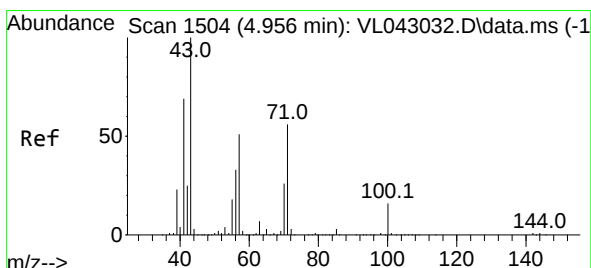
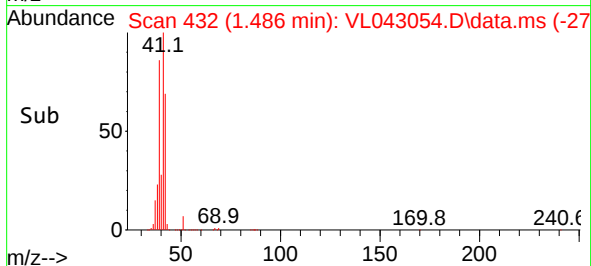
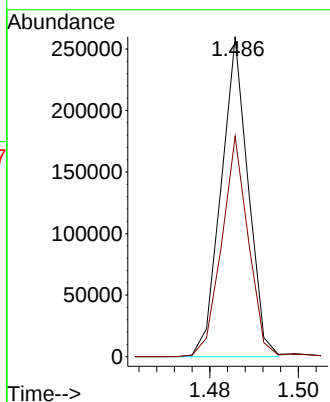
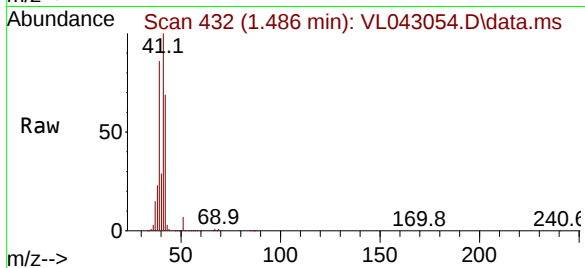
VSTDCCC010

Tgt Ion: 41 Resp: 110049

Ion Ratio Lower Upper

41 100

42 68.8 53.3 79.9



#10

Heptane

Concen: 10.984 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.032 min

Lab File: VL043054.D

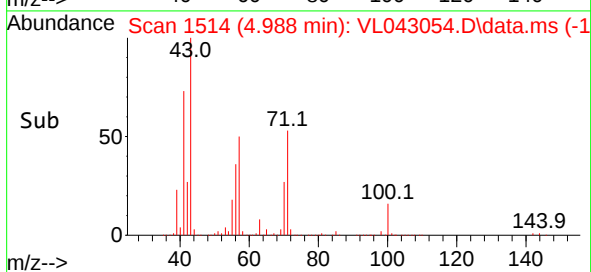
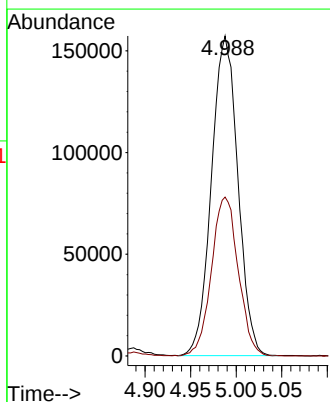
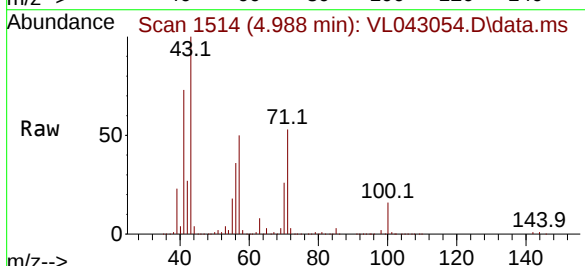
Acq: 08 Oct 2025 08:54

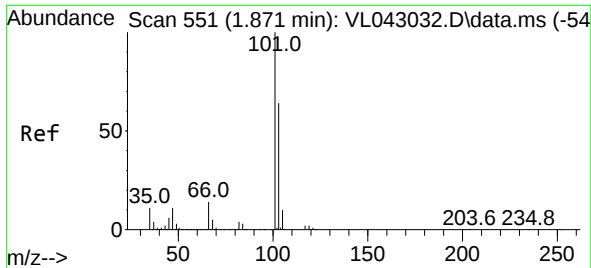
Tgt Ion: 43 Resp: 317138

Ion Ratio Lower Upper

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57 50.5 40.3 60.5

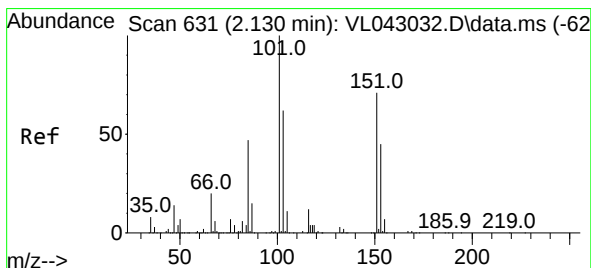
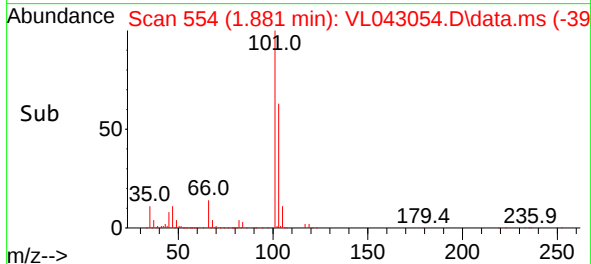
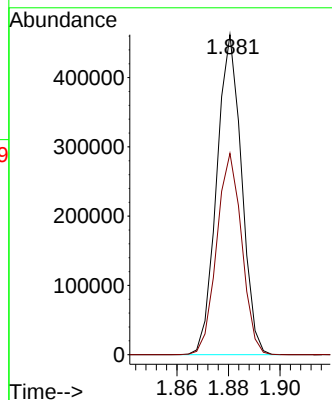
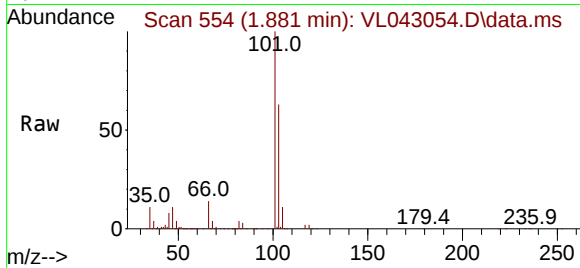




#11
 Trichlorofluoromethane
 Concen: 9.985 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

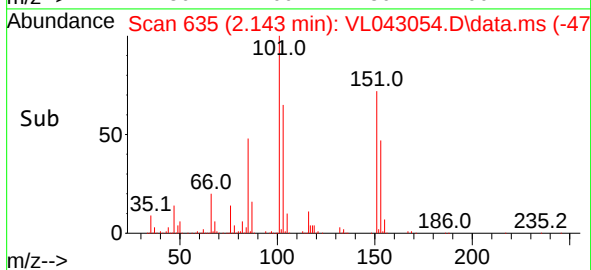
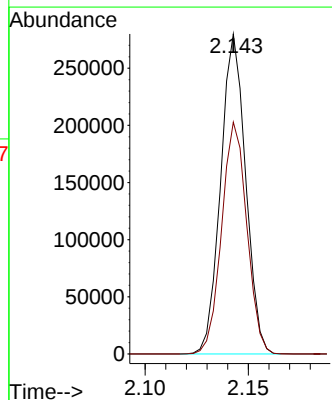
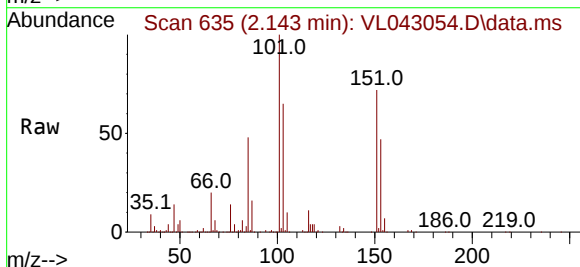
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

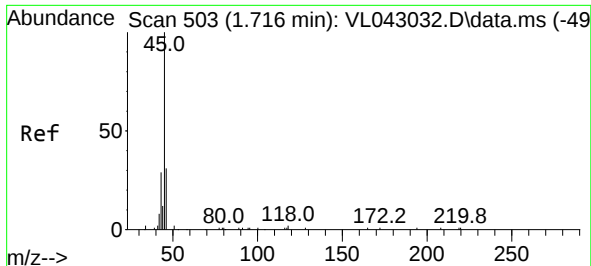
Tgt Ion:101 Resp: 308928
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.645 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.013 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion:101 Resp: 235021
 Ion Ratio Lower Upper
 101 100
 151 72.9 58.1 87.1

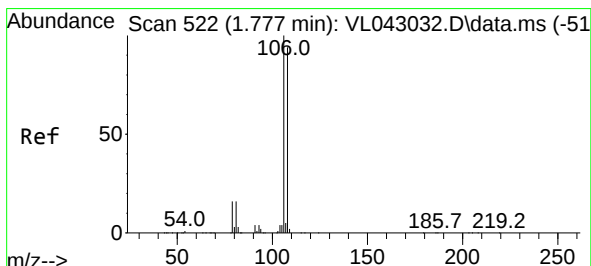
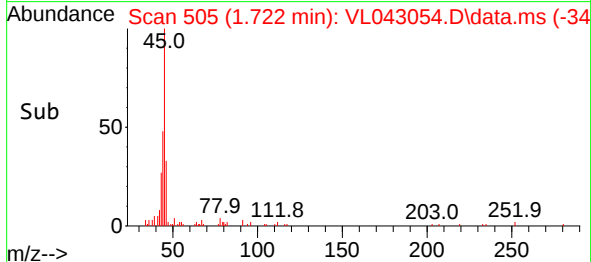
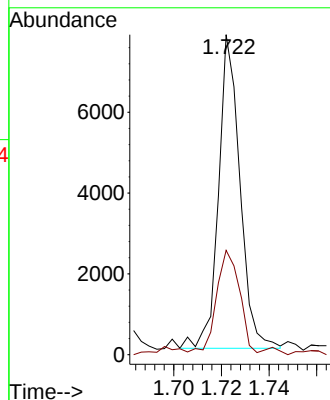
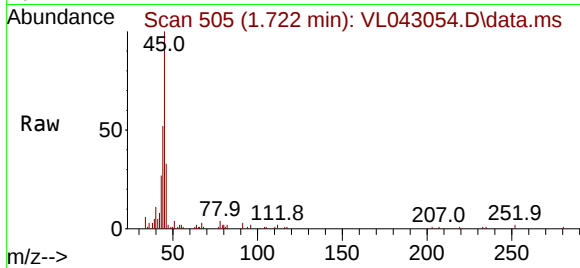




#13
 Ethanol
 Concen: 10.094 ppbv
 RT: 1.722 min Scan# 503
 Delta R.T. 0.006 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

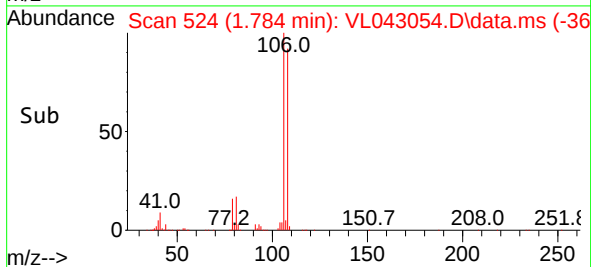
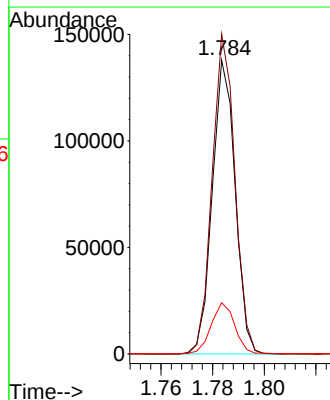
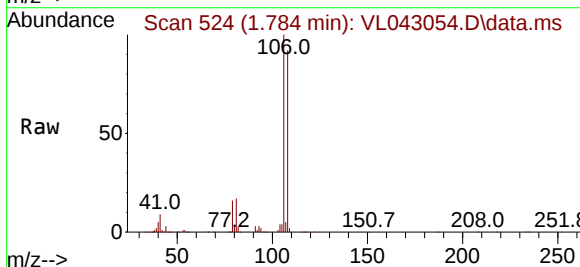
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

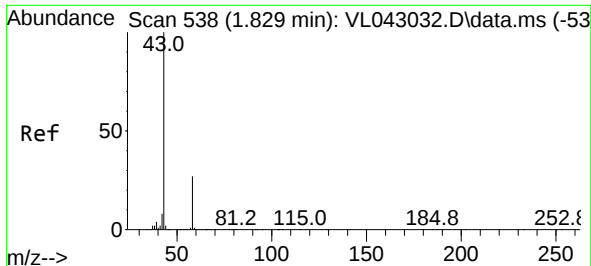
Tgt Ion: 45 Resp: 4836
 Ion Ratio Lower Upper
 45 100
 46 40.4 17.8 71.4



#14
 Bromoethene
 Concen: 9.705 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.006 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 108 Resp: 84786
 Ion Ratio Lower Upper
 108 100
 106 108.1 85.2 127.8
 79 18.2 14.8 22.2

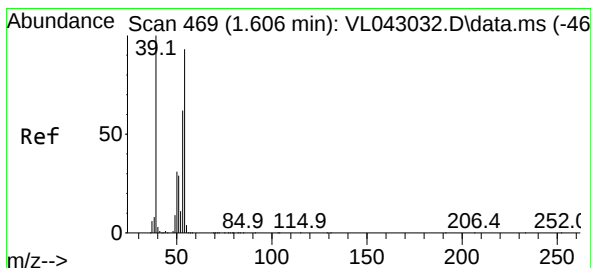
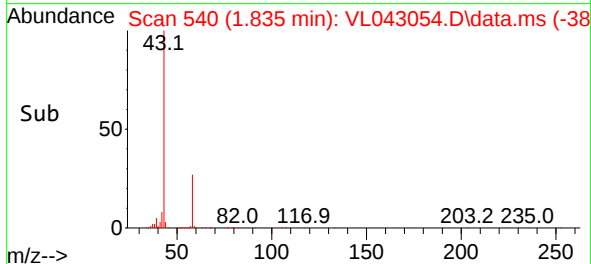
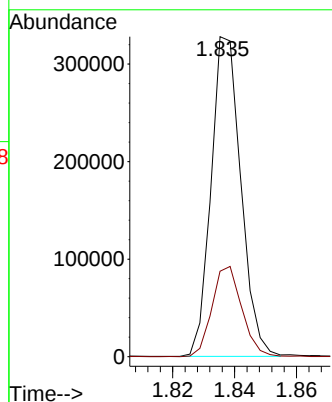
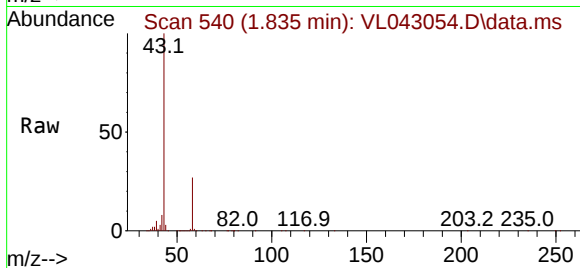




#15
Acetone
Concen: 8.754 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

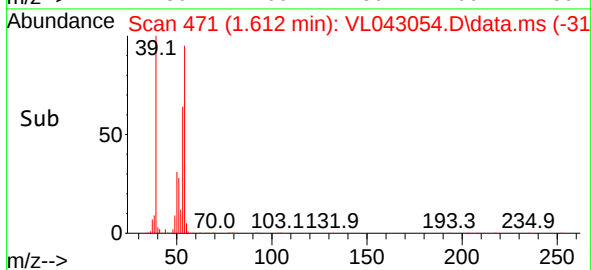
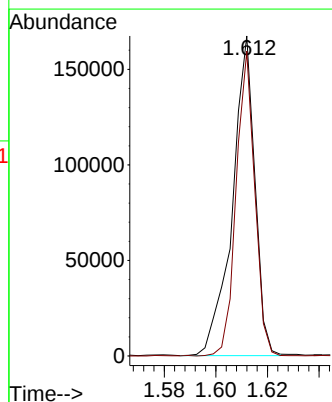
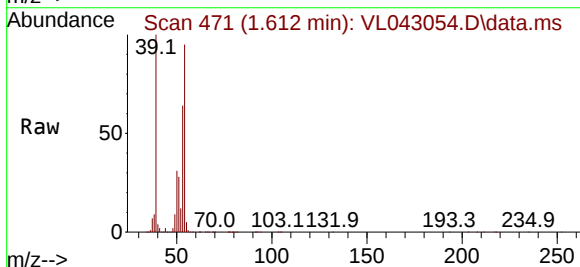
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

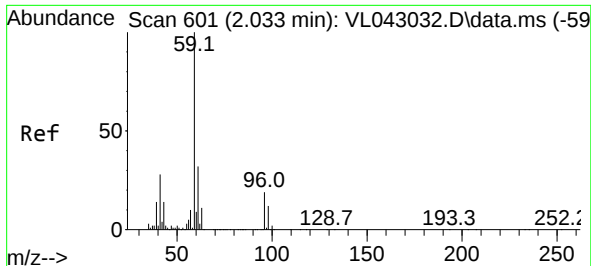
Tgt Ion: 43 Resp: 218946
Ion Ratio Lower Upper
43 100
58 28.4 22.2 33.4



#16
1,3-Butadiene
Concen: 9.892 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 39 Resp: 102003
Ion Ratio Lower Upper
39 100
54 78.9 61.4 92.2

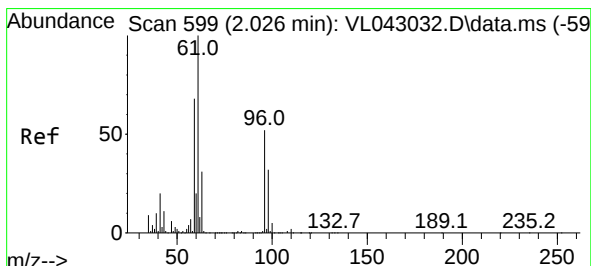
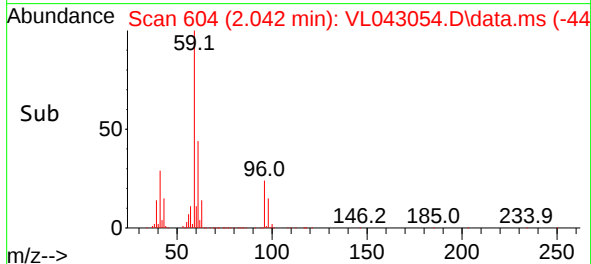
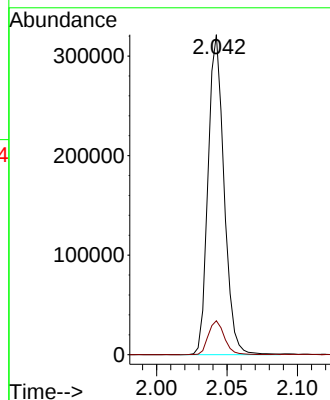
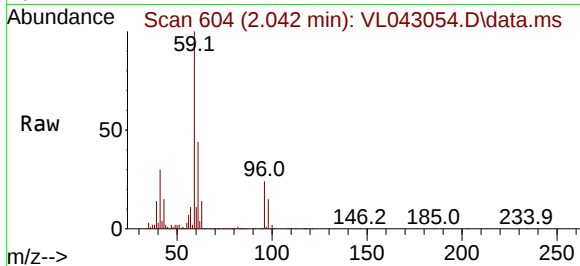




#17
tert-Butyl alcohol
Concen: 9.587 ppbv
RT: 2.042 min Scan# 601
Delta R.T. 0.010 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

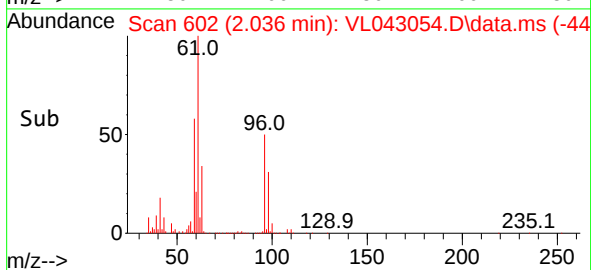
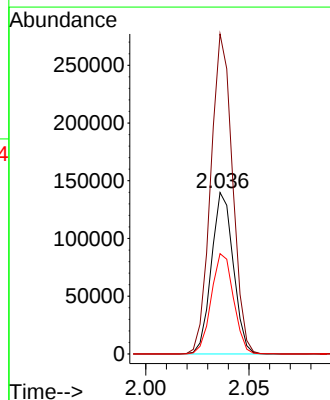
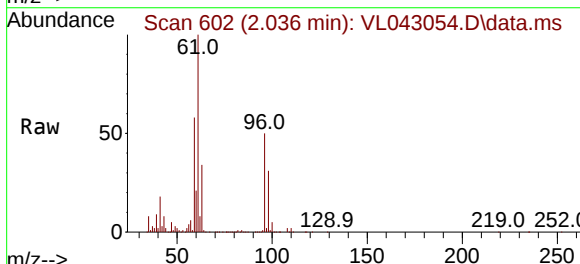
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

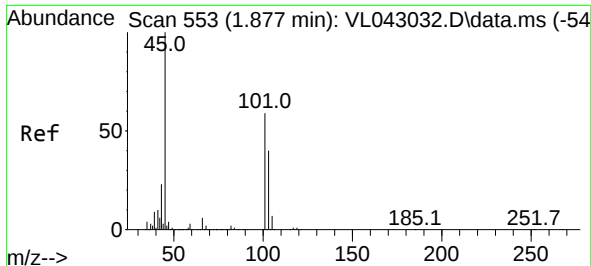
Tgt Ion: 59 Resp: 253647
Ion Ratio Lower Upper
59 100
57 11.0 8.5 12.7



#18
1,1-Dichloroethene
Concen: 9.634 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.010 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 96 Resp: 102910
Ion Ratio Lower Upper
96 100
61 198.3 153.0 229.6
98 62.1 48.8 73.2

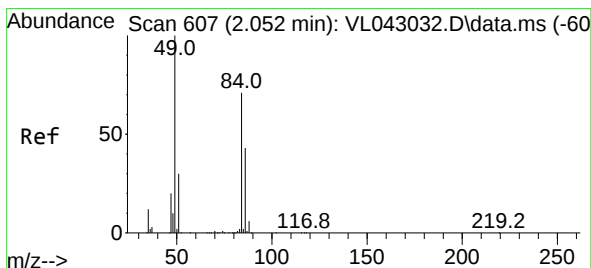
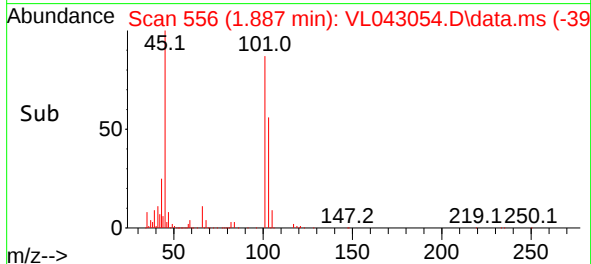
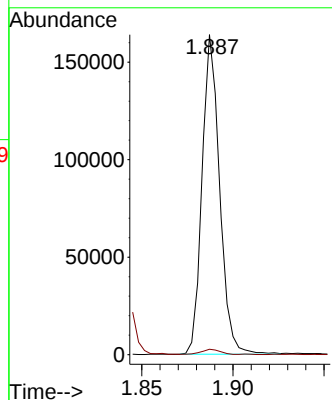
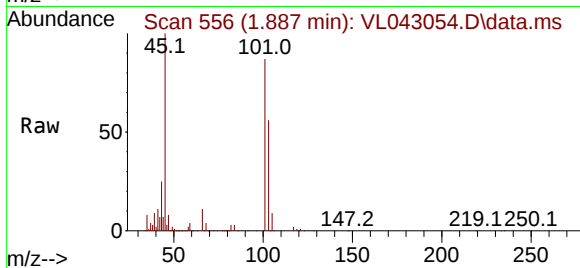




#19
Isopropyl Alcohol
Concen: 9.194 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

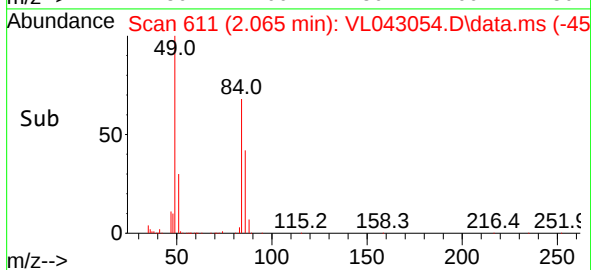
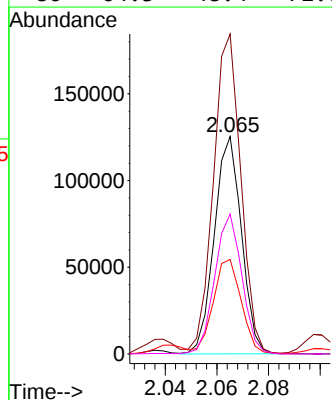
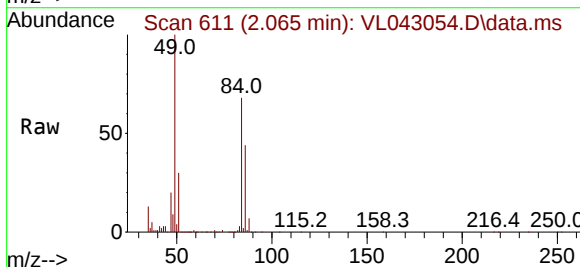
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

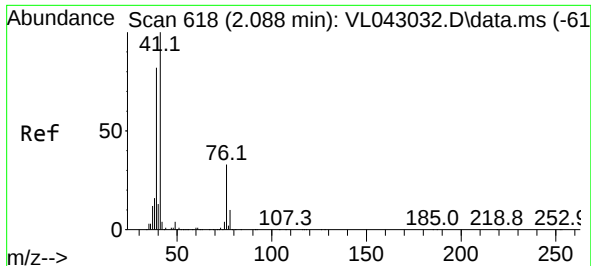
Tgt Ion: 45 Resp: 110173
Ion Ratio Lower Upper
45 100
58 56.5 42.3 63.5



#20
Methylene Chloride
Concen: 8.381 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 84 Resp: 91496
Ion Ratio Lower Upper
84 100
49 146.8 112.5 168.7
51 43.3 34.2 51.2
86 64.3 48.4 72.6

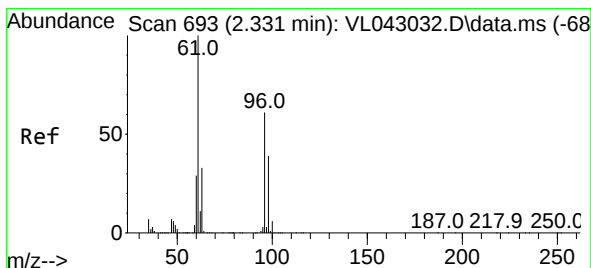
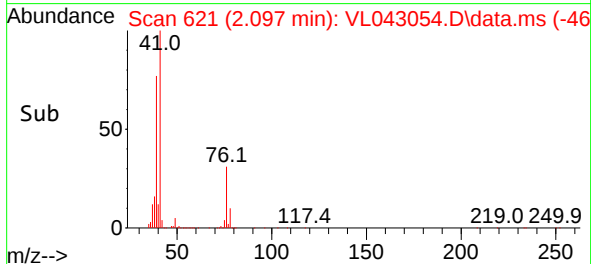
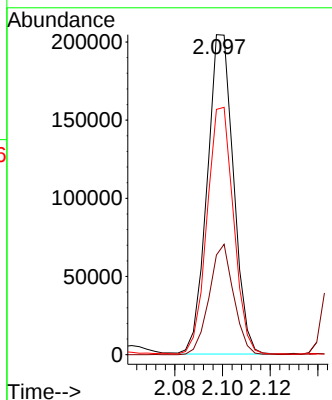
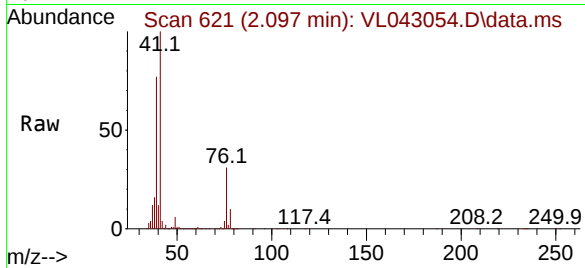




#21
 Allyl Chloride
 Concen: 9.789 ppbv
 RT: 2.097 min Scan# 618
 Delta R.T. 0.010 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

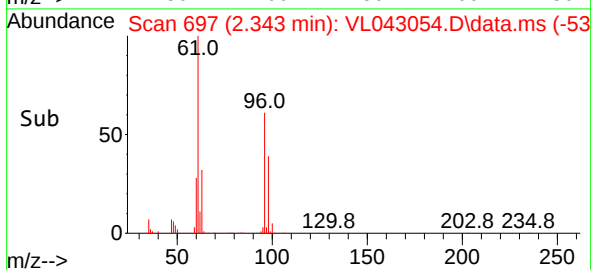
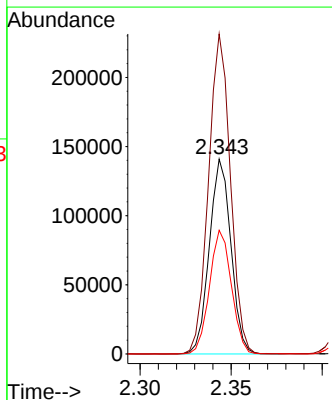
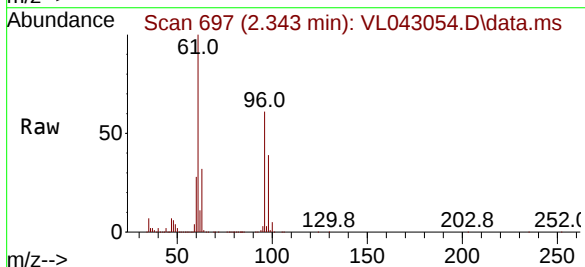
Instrument :
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 ClientSampleId :
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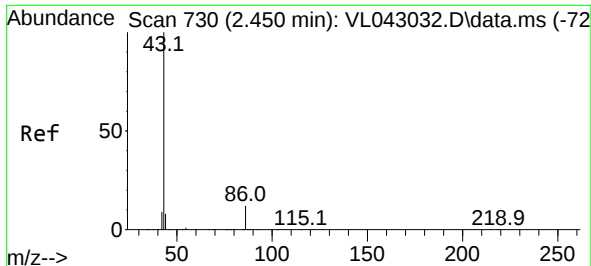
Tgt Ion: 41 Resp: 156853
 Ion Ratio Lower Upper
 41 100
 76 32.2 25.9 38.9
 39 77.7 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.600 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.013 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 96 Resp: 116424
 Ion Ratio Lower Upper
 96 100
 61 164.1 131.9 197.9
 98 63.4 52.1 78.1

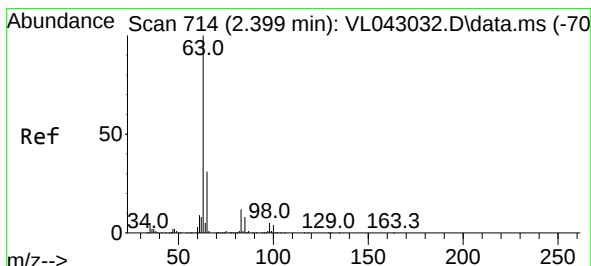
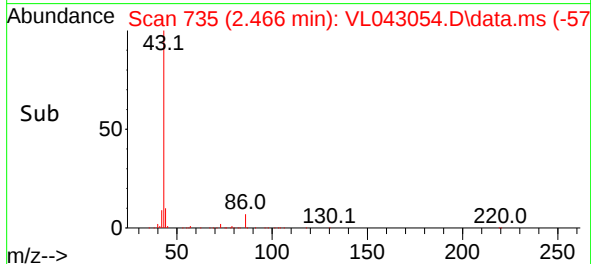
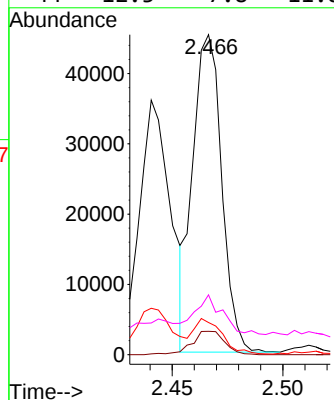
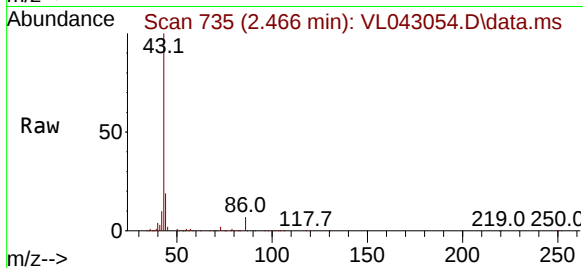




#23
 Vinyl Acetate
 Concen: 7.721 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. 0.016 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

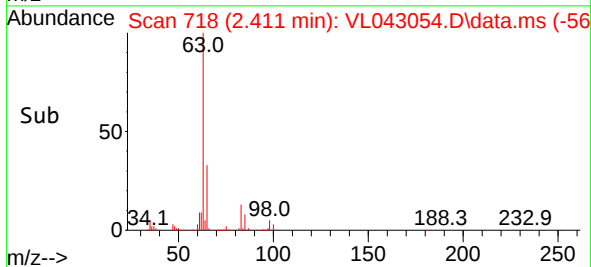
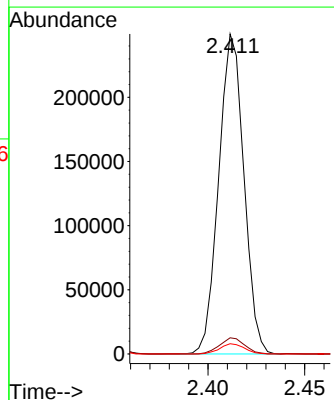
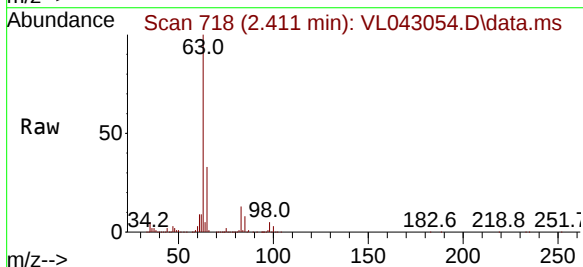
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

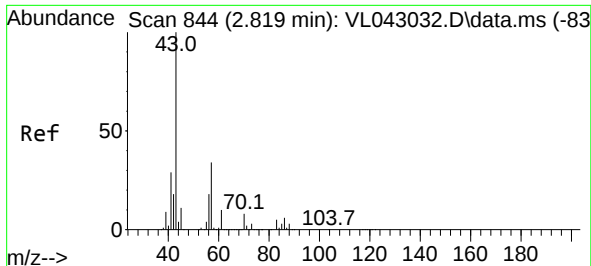
Tgt Ion:	43	Resp:	41001
Ion	Ratio	Lower	Upper
43	100		
86	7.6	7.5	11.3
42	9.7	8.4	12.6
44	12.3	7.8	11.8



#24
 1,1-Dichloroethane
 Concen: 9.822 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.013 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion:	63	Resp:	225799
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.5	7.4
100	3.2	1.8	5.4



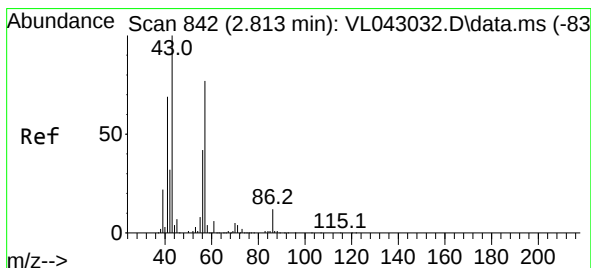
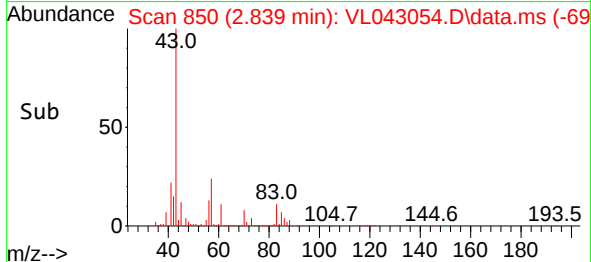
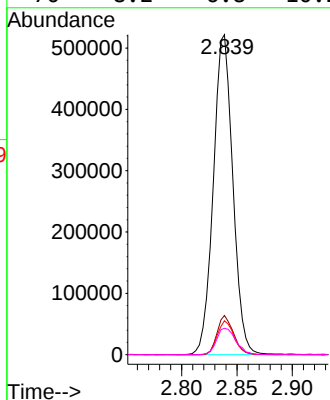
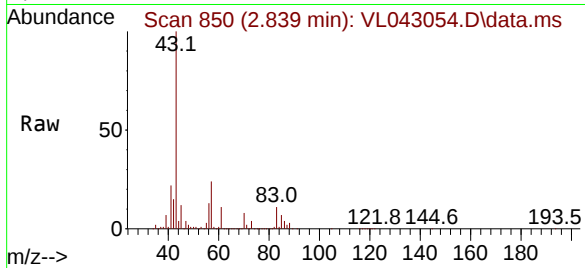


#25
Ethyl Acetate
Concen: 10.207 ppbv
RT: 2.839 min Scan# 844
Delta R.T. 0.019 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 640475

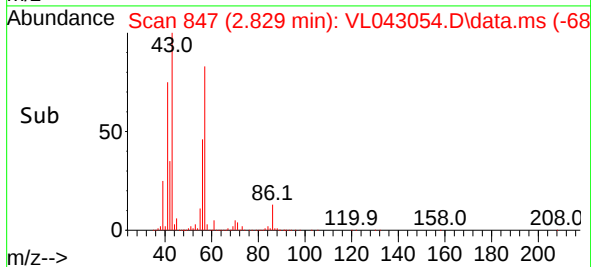
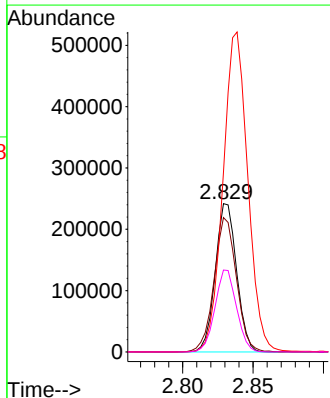
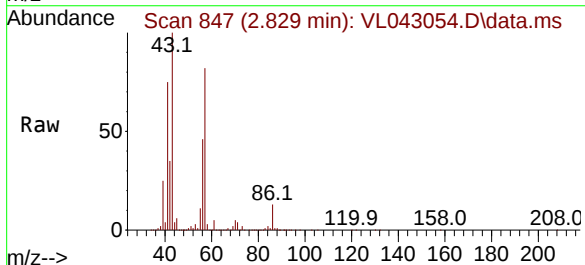
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.1	7.5	11.3
70	8.2	6.8	10.2

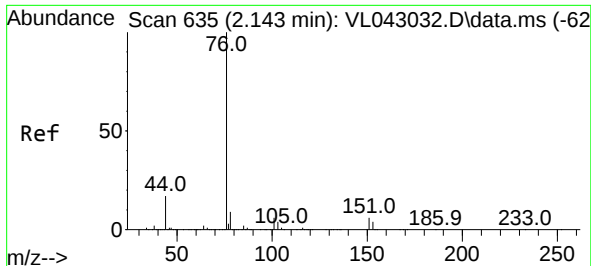


#26
Hexane
Concen: 10.535 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.016 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 57 Resp: 254276

Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.1	114.1
43	252.1	201.4	302.0
56	55.9	44.0	66.0

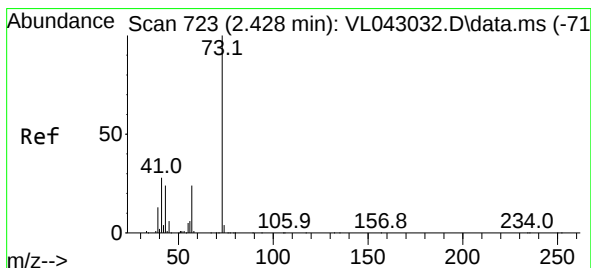
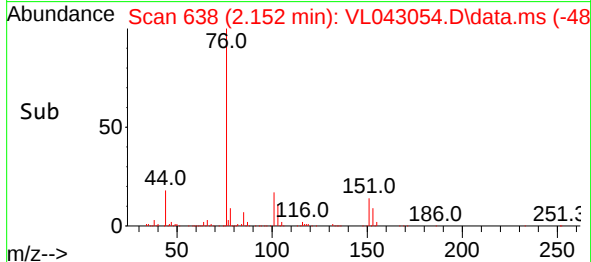
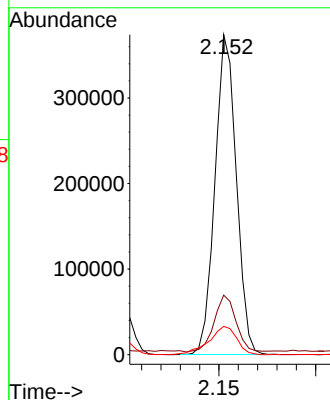
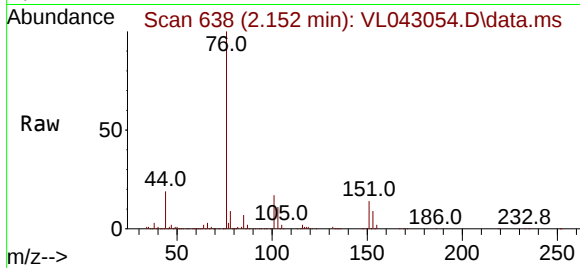




#27
Carbon Disulfide
Concen: 10.036 ppbv
RT: 2.152 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

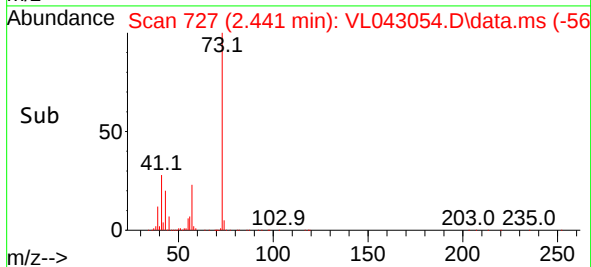
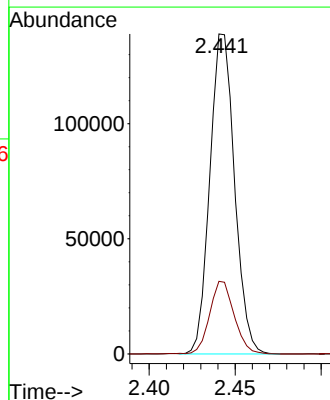
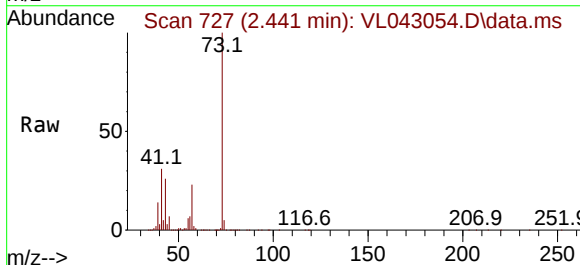
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

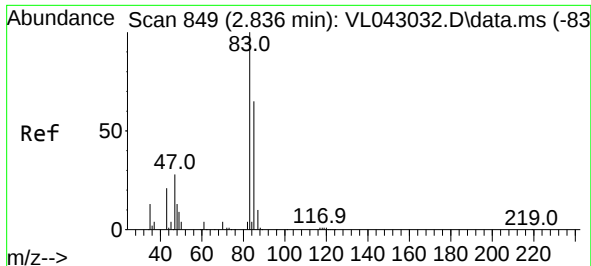
Tgt Ion: 76 Resp: 285988
Ion Ratio Lower Upper
76 100
44 17.7 14.0 21.0
78 11.6 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 9.198 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.013 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 73 Resp: 138930
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8





#29

Chloroform

Concen: 9.734 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

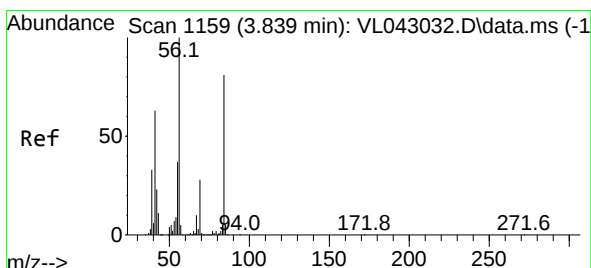
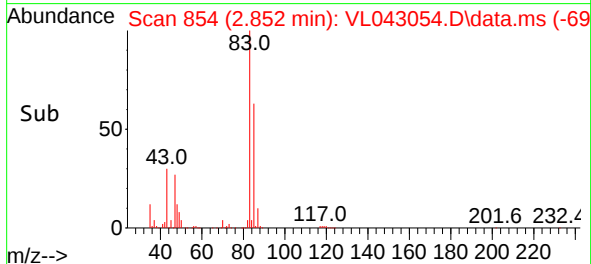
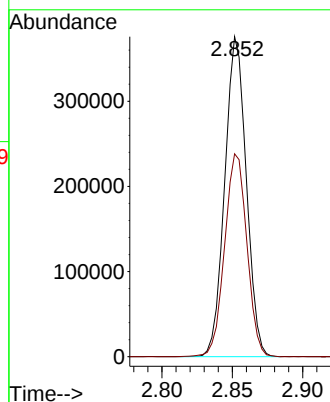
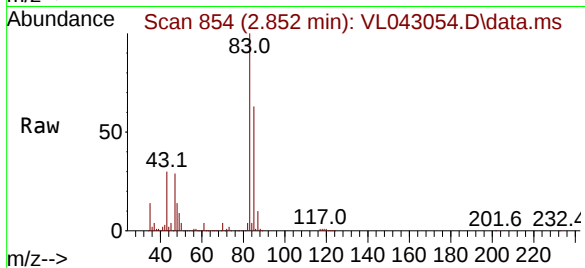
VSTDCCC010

Tgt Ion: 83 Resp: 400562

Ion Ratio Lower Upper

83 100

85 63.4 52.0 78.0



#30

Cyclohexane

Concen: 10.388 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.023 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

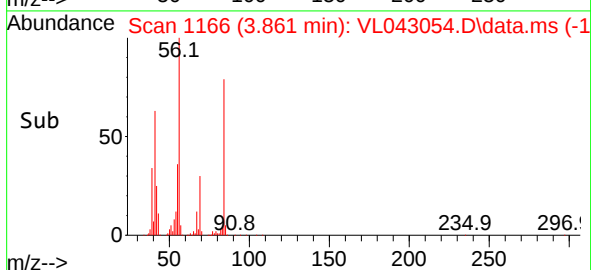
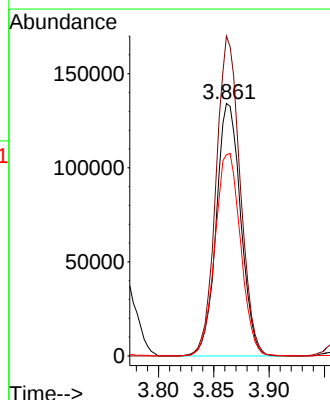
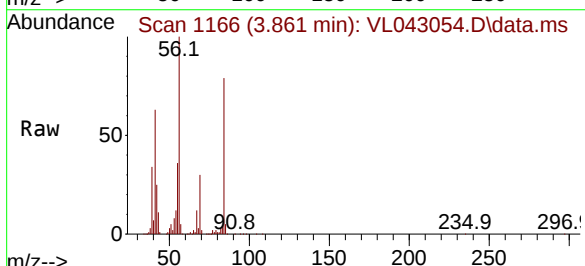
Tgt Ion: 84 Resp: 206027

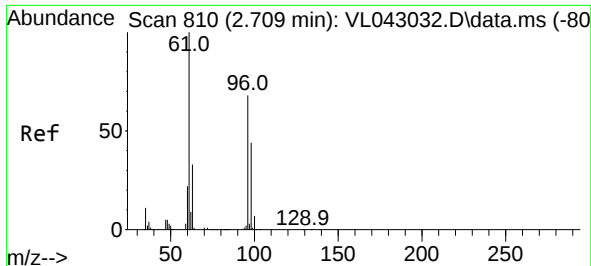
Ion Ratio Lower Upper

84 100

56 124.6 99.9 149.9

41 84.3 64.2 96.4

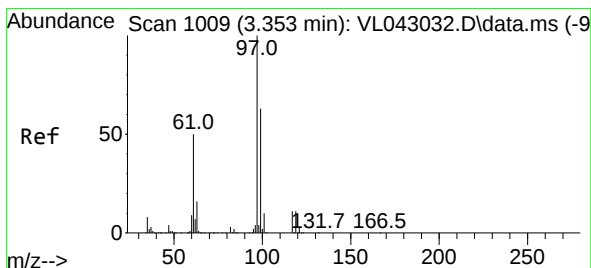
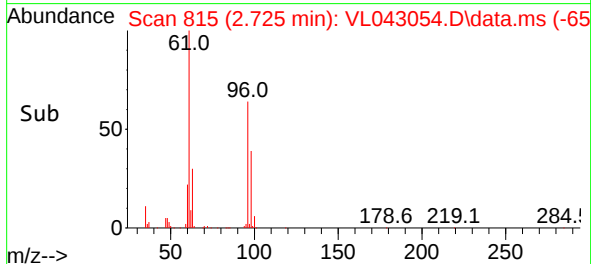
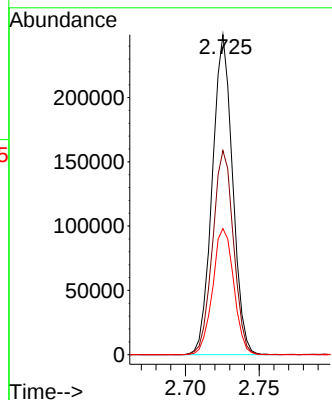
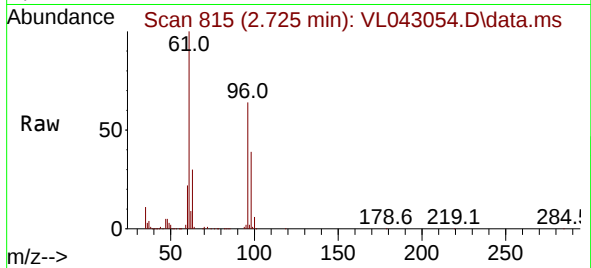




#31
 cis-1,2-Dichloroethene
 Concen: 9.582 ppbv
 RT: 2.725 min Scan# 810
 Delta R.T. 0.016 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

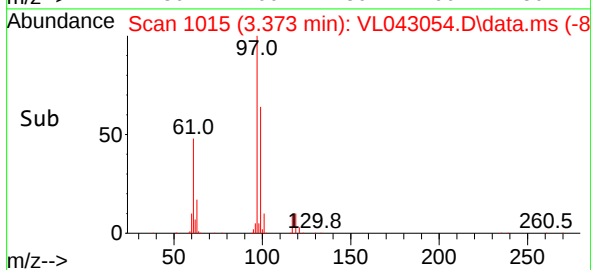
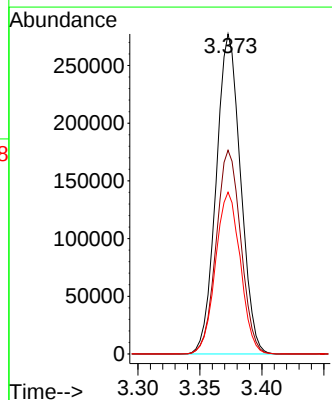
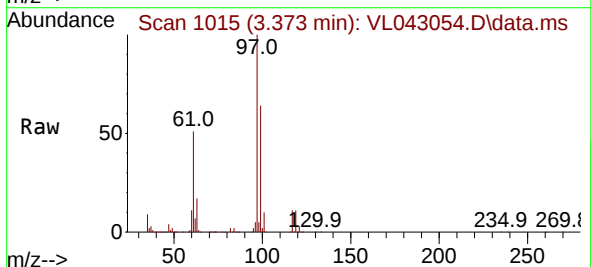
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

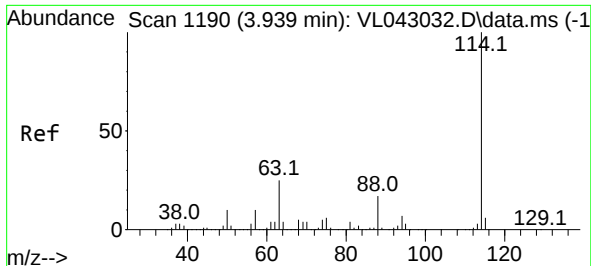
Tgt Ion: 61 Resp: 237742
 Ion Ratio Lower Upper
 61 100
 96 63.8 54.6 82.0
 98 39.4 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 9.516 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.019 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 97 Resp: 380576
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 51.5 40.1 60.1

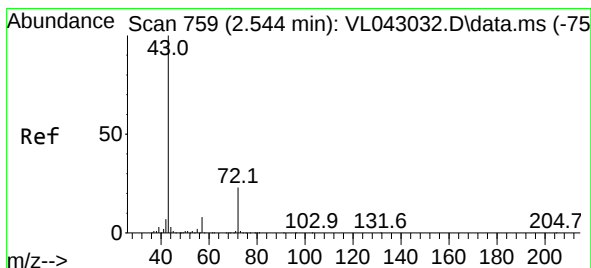
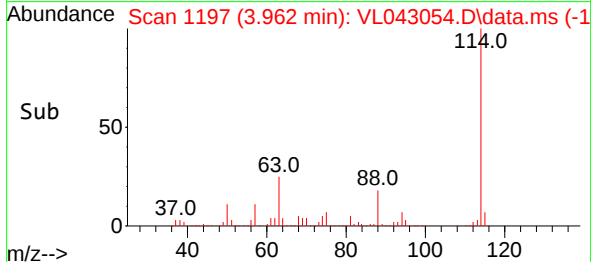
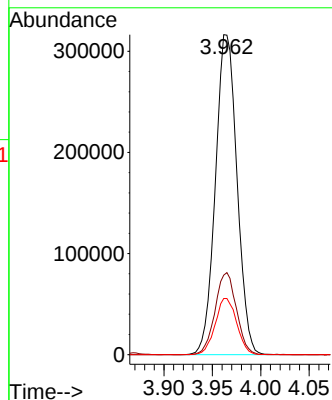
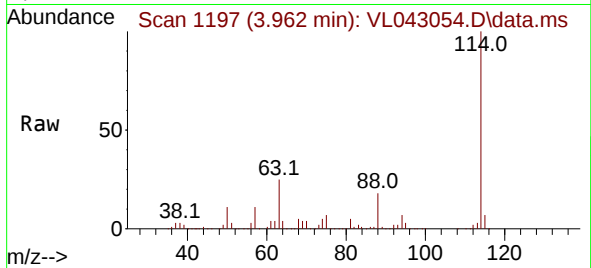




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.023 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

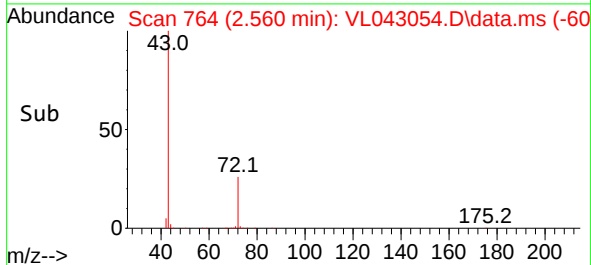
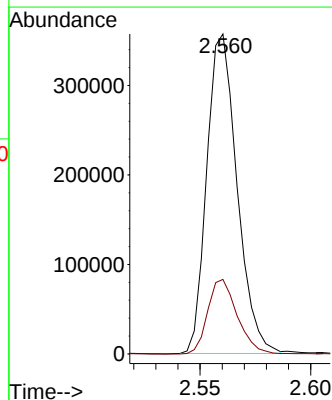
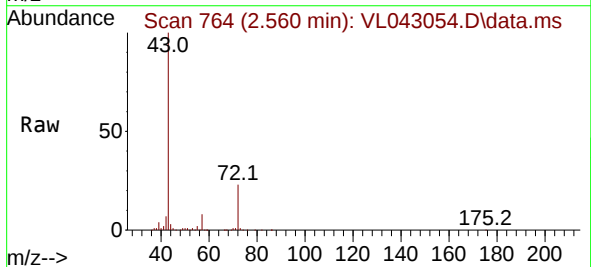
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

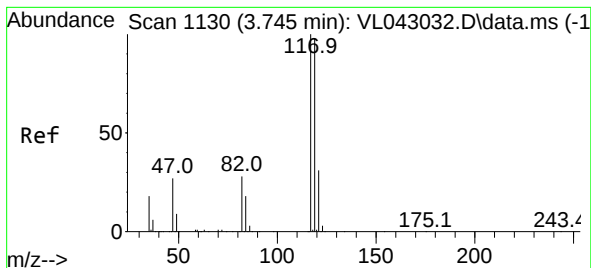
Tgt Ion:114 Resp: 491196
 Ion Ratio Lower Upper
 114 100
 63 25.5 19.4 29.2
 88 17.5 13.9 20.9



#34
 2-Butanone
 Concen: 10.194 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. 0.016 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 43 Resp: 339746
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.157 ppbv

RT: 3.768 min Scan# 1130

Delta R.T. 0.023 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

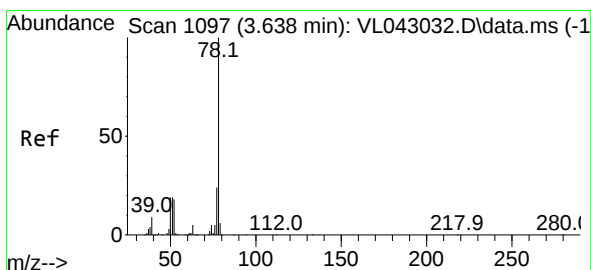
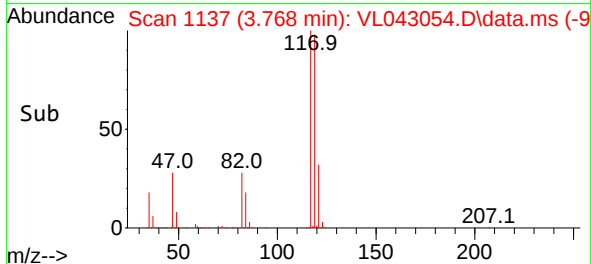
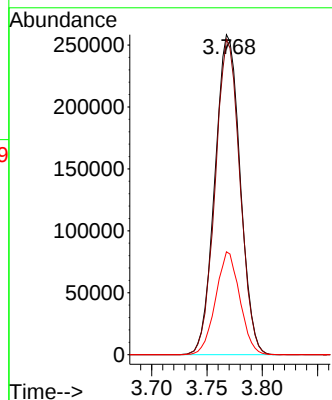
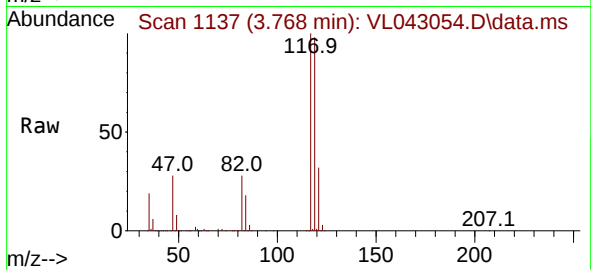
Tgt Ion:117 Resp: 410481

Ion Ratio Lower Upper

117 100

119 98.5 78.2 117.4

121 32.1 24.8 37.2



#36

Benzene

Concen: 10.606 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.026 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

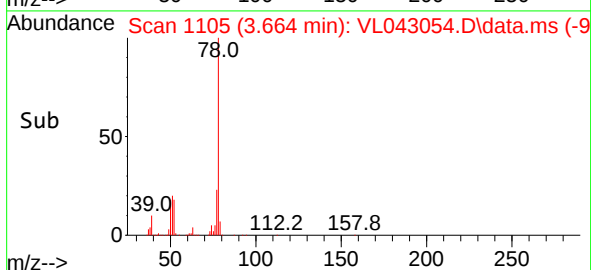
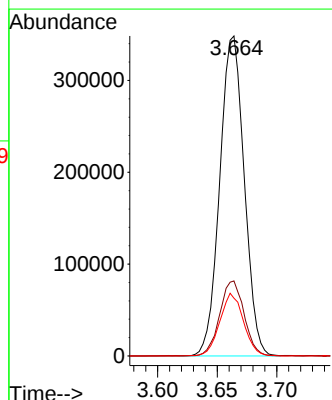
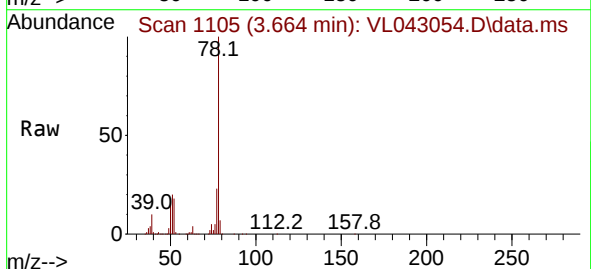
Tgt Ion: 78 Resp: 497724

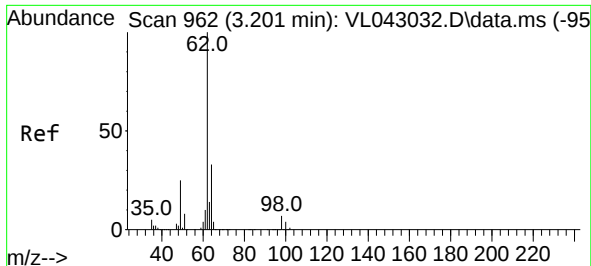
Ion Ratio Lower Upper

78 100

77 23.4 19.2 28.8

50 18.0 14.9 22.3





#37

1,2-Dichloroethane

Concen: 10.564 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.023 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

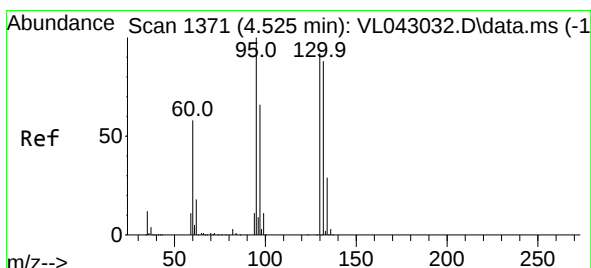
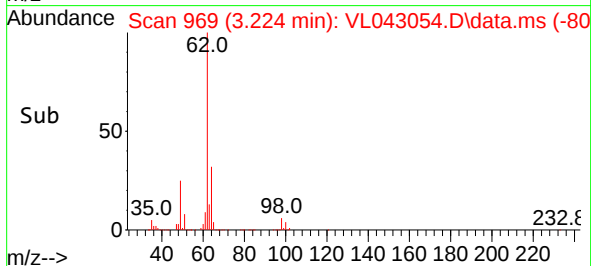
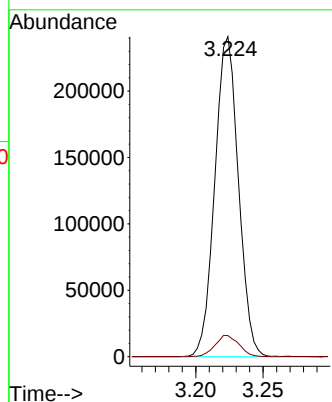
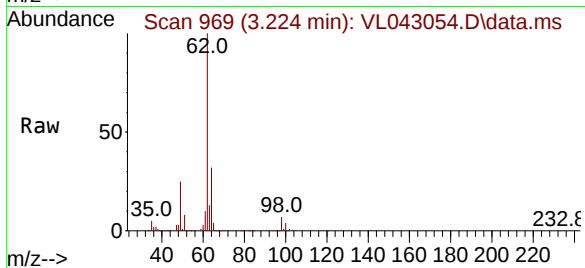
VSTDCCC010

Tgt Ion: 62 Resp: 293620

Ion Ratio Lower Upper

62 100

98 6.8 5.6 8.4



#38

Trichloroethene

Concen: 10.606 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.029 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Tgt Ion:130 Resp: 207337

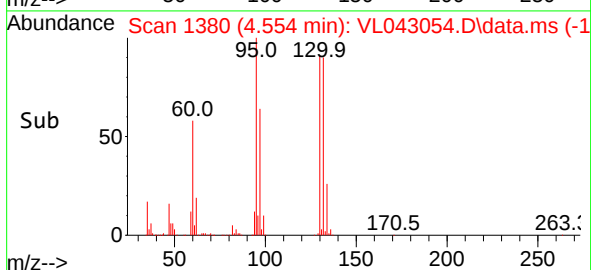
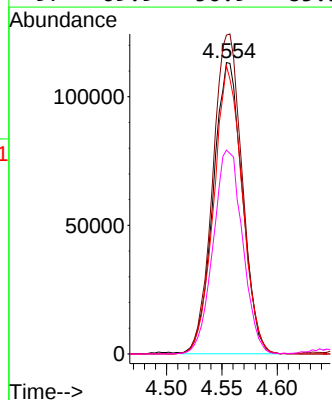
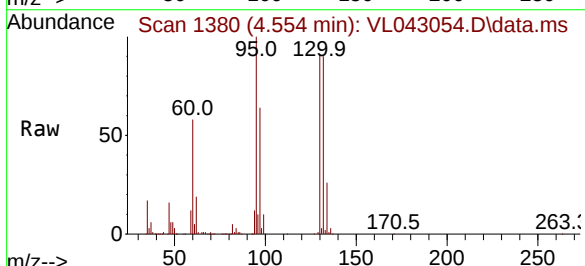
Ion Ratio Lower Upper

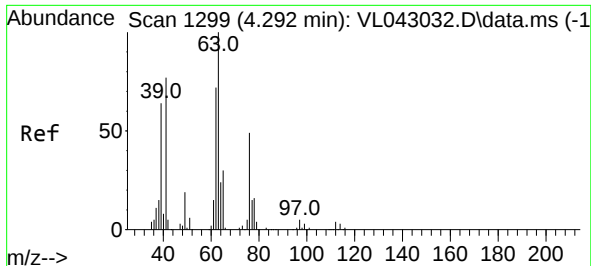
130 100

95 109.4 86.4 129.6

132 98.9 75.7 113.5

97 69.9 56.9 85.3





#39

1,2-Dichloropropane

Concen: 10.529 ppbv

RT: 4.321 min Scan# 11

Delta R.T. 0.029 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

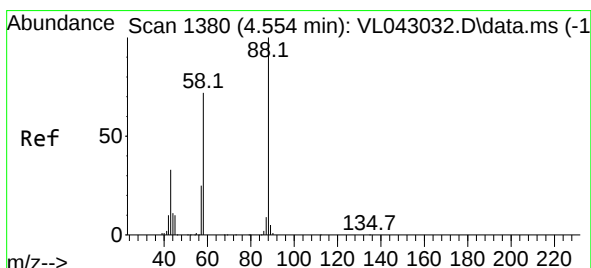
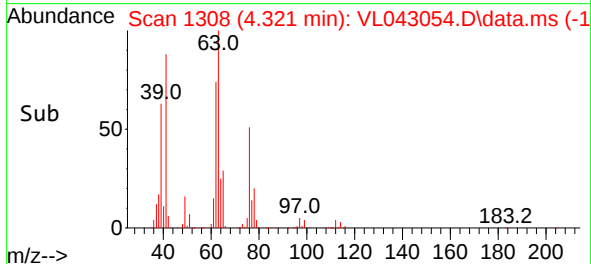
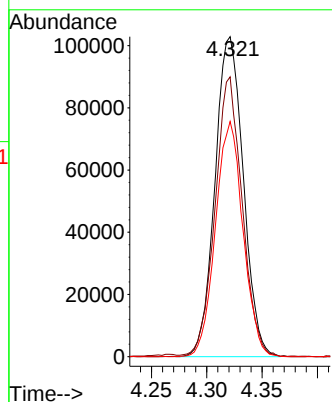
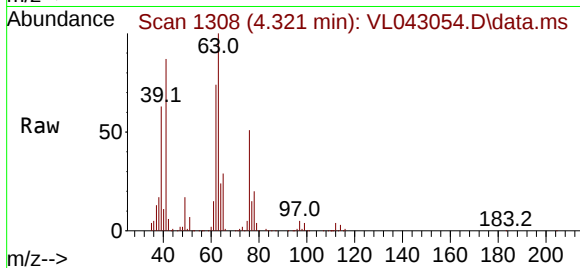
Tgt Ion: 63 Resp: 183162

Ion Ratio Lower Upper

63 100

41 87.3 61.6 92.4

62 73.4 58.1 87.1



#40

1,4-Dioxane

Concen: 10.609 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. 0.032 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Tgt Ion: 88 Resp: 79156

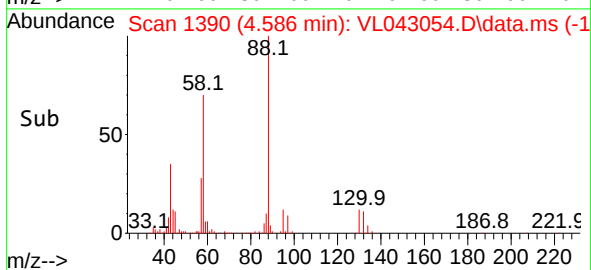
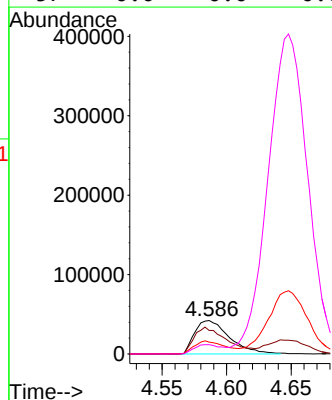
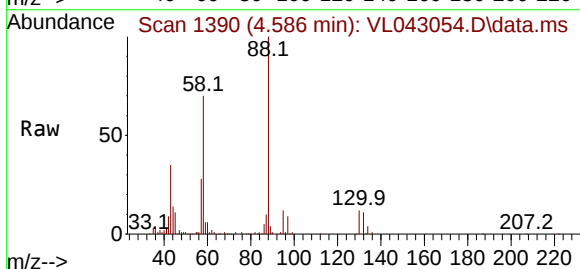
Ion Ratio Lower Upper

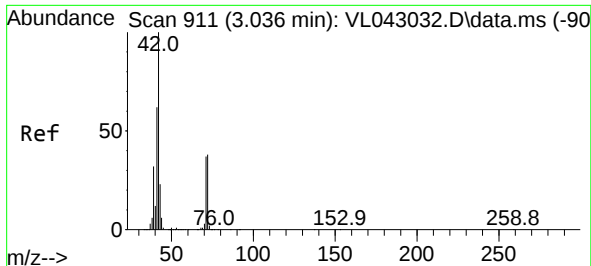
88 100

58 76.0 56.2 84.2

43 36.7 25.7 38.5

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.173 ppbv

RT: 3.055 min Scan# 911

Delta R.T. 0.019 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

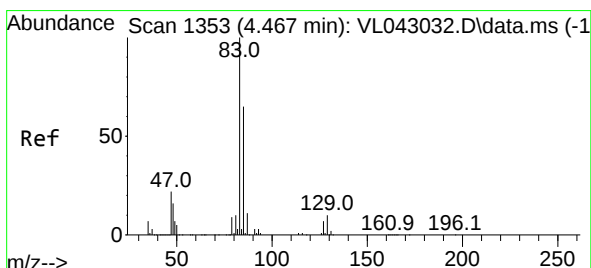
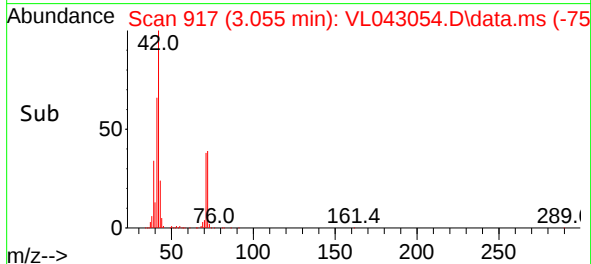
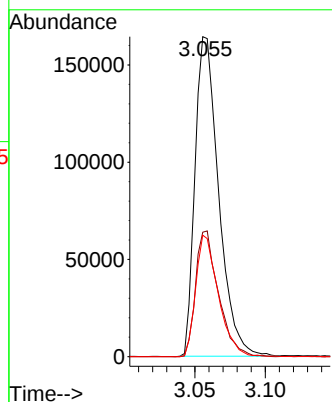
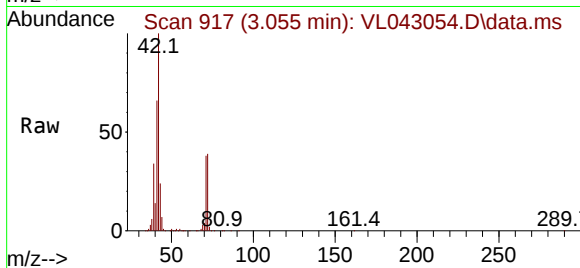
Tgt Ion: 42 Resp: 192469

Ion Ratio Lower Upper

42 100

72 38.0 31.0 46.6

71 36.4 29.8 44.6



#42

Bromodichloromethane

Concen: 10.561 ppbv

RT: 4.496 min Scan# 1362

Delta R.T. 0.029 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

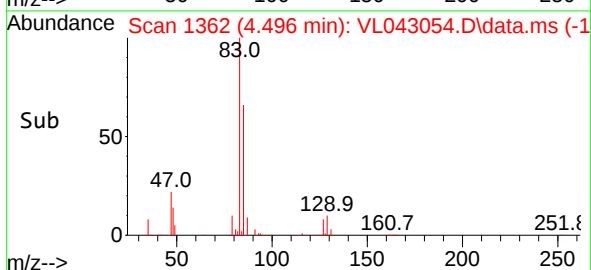
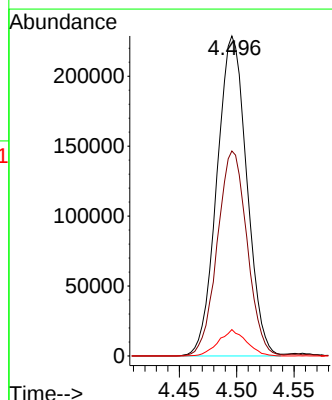
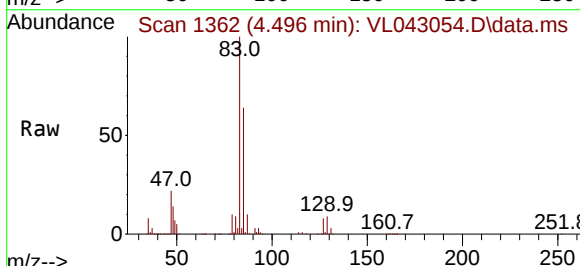
Tgt Ion: 83 Resp: 414498

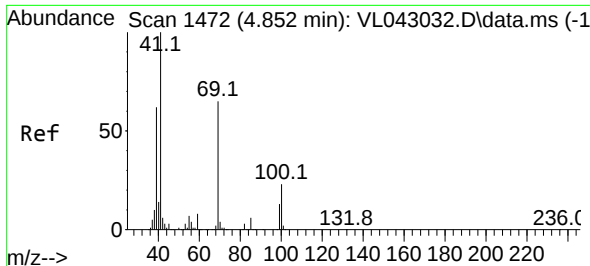
Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.8

127 8.3 5.9 8.9

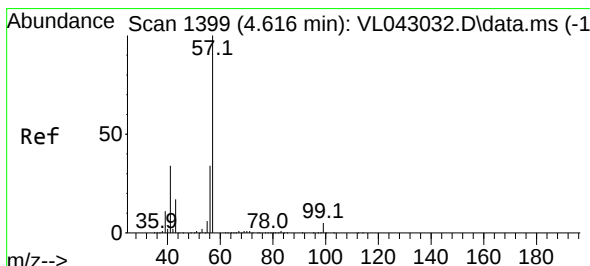
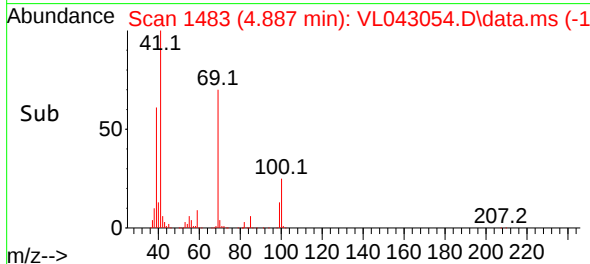
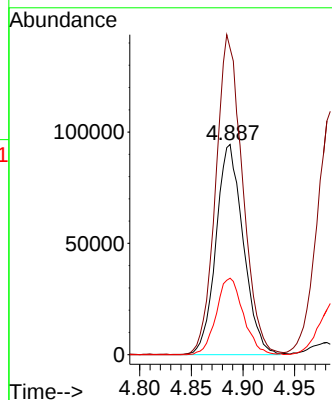
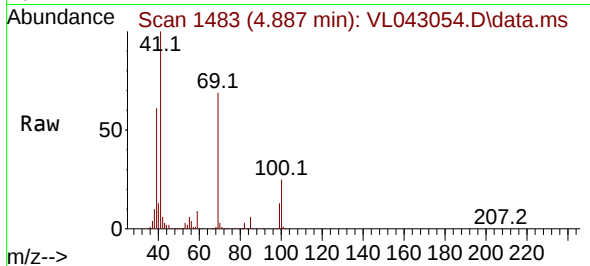




#43
Methyl Methacrylate
Concen: 11.131 ppbv
RT: 4.887 min Scan# 1472
Delta R.T. 0.035 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

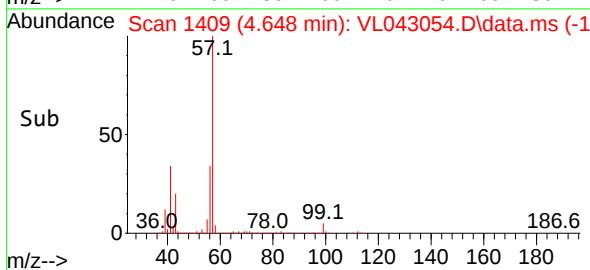
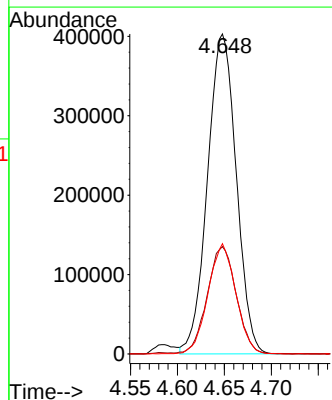
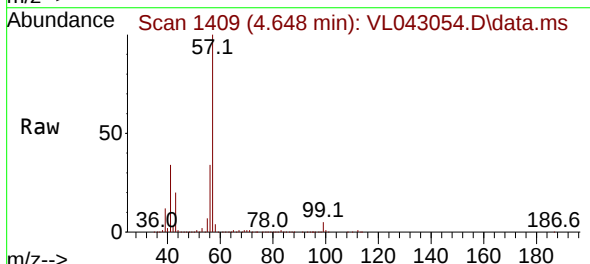
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

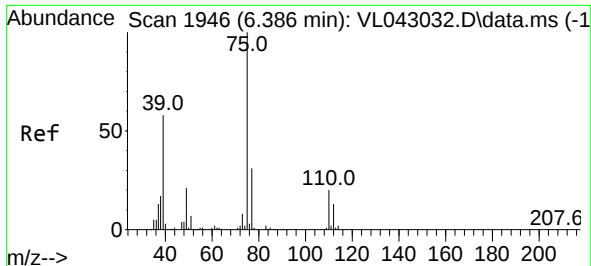
Tgt Ion: 69 Resp: 173411
Ion Ratio Lower Upper
69 100
41 149.7 118.0 177.0
100 36.2 28.3 42.5



#44
2,2,4-Trimethylpentane
Concen: 11.400 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.032 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 57 Resp: 858487
Ion Ratio Lower Upper
57 100
41 34.2 27.0 40.4
56 33.3 26.0 39.0

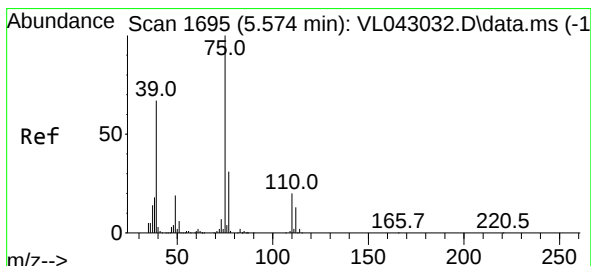
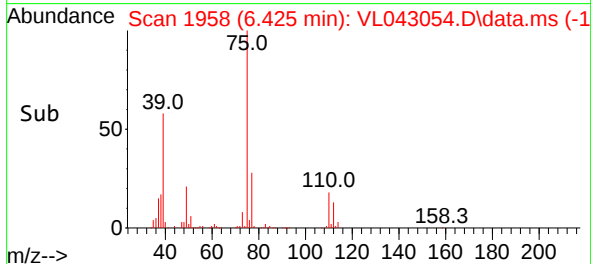
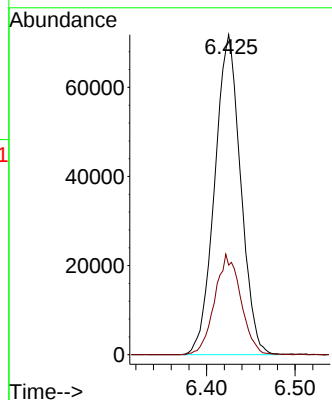
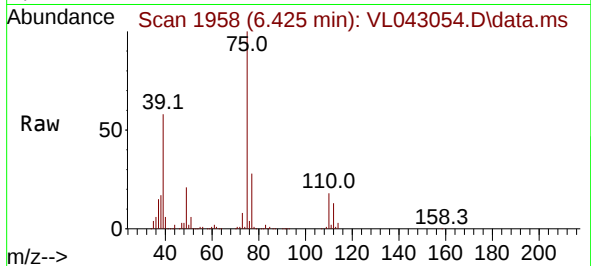




#45
t-1,3-Dichloropropene
Concen: 10.275 ppbv
RT: 6.425 min Scan# 1946
Delta R.T. 0.039 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

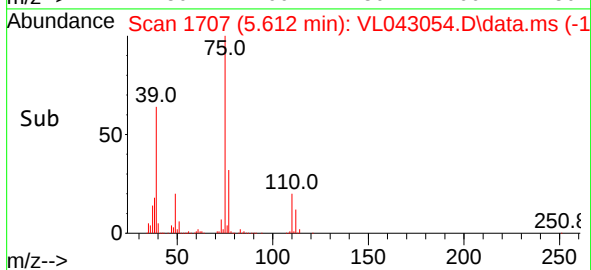
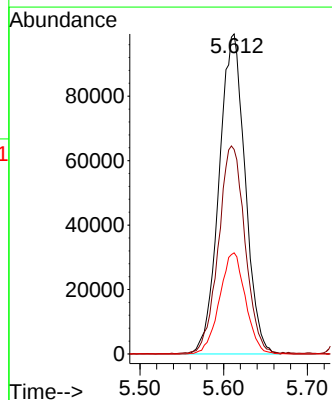
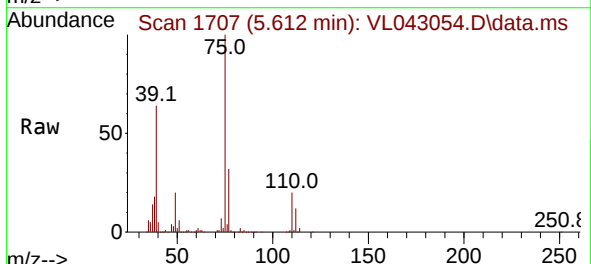
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

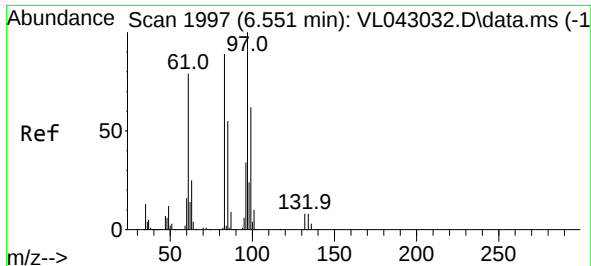
Tgt Ion: 75 Resp: 146489
Ion Ratio Lower Upper
75 100
77 28.0 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 10.684 ppbv
RT: 5.612 min Scan# 1707
Delta R.T. 0.039 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 75 Resp: 214603
Ion Ratio Lower Upper
75 100
39 63.7 53.4 80.0
77 31.6 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 10.247 ppbv

RT: 6.587 min Scan# 20

Delta R.T. 0.035 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 198270

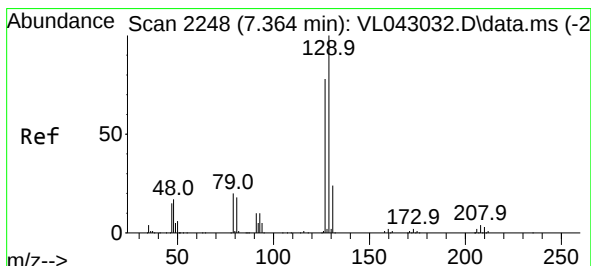
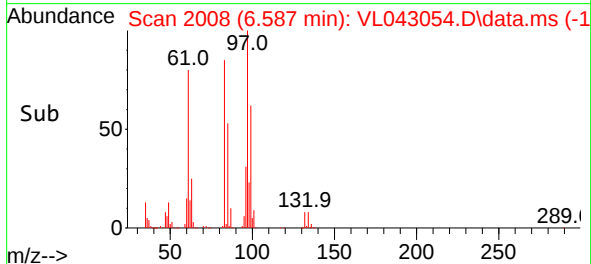
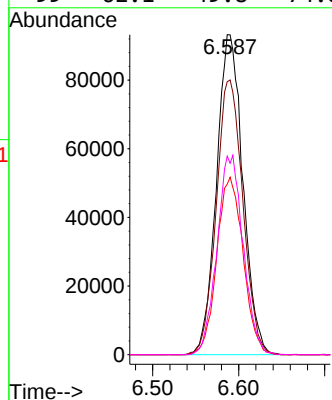
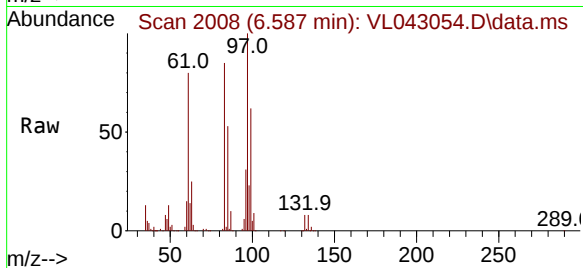
Ion Ratio Lower Upper

97 100

83 85.3 71.1 106.7

85 53.3 44.3 66.5

99 62.1 49.8 74.8



#48

Dibromochloromethane

Concen: 10.490 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.032 min

Lab File: VL043054.D

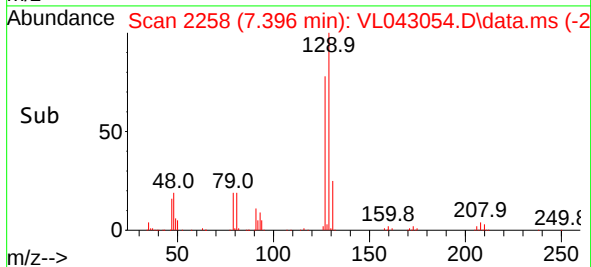
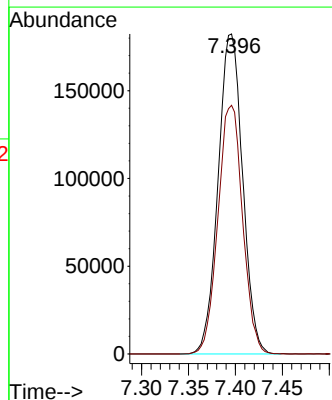
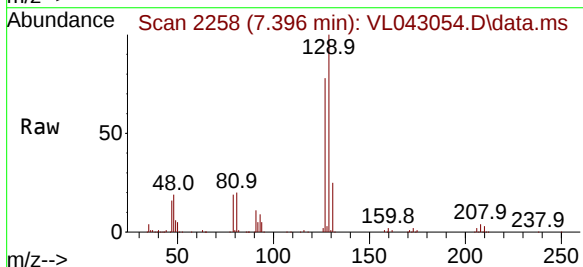
Acq: 08 Oct 2025 08:54

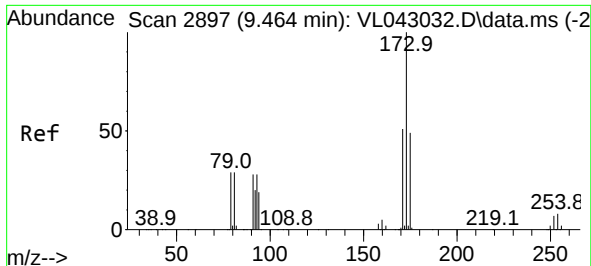
Tgt Ion: 129 Resp: 331247

Ion Ratio Lower Upper

129 100

127 78.1 38.6 116.0

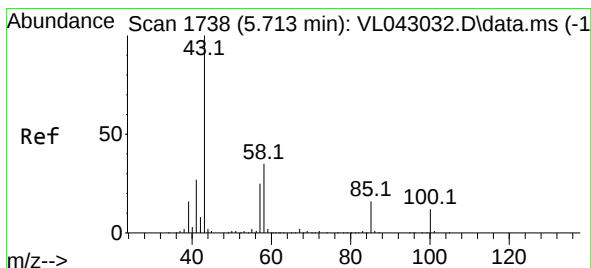
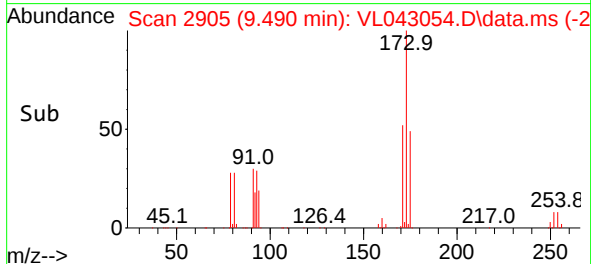
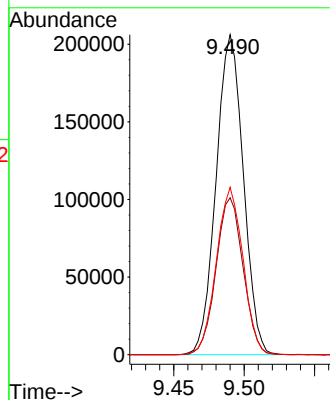
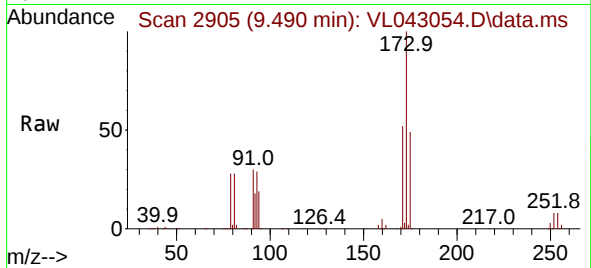




#49
Bromoform
Concen: 10.541 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.026 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

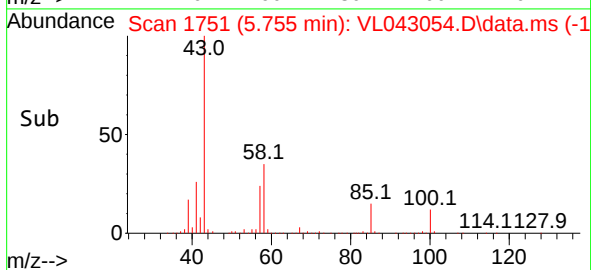
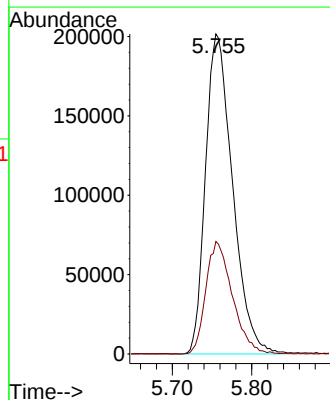
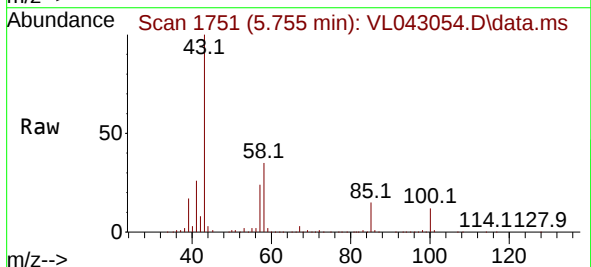
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

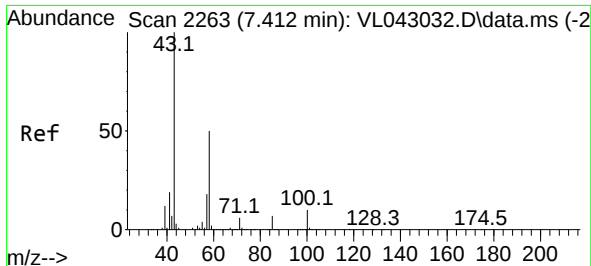
Tgt Ion:173 Resp: 278004
Ion Ratio Lower Upper
173 100
175 48.8 39.1 58.7
171 51.2 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 11.716 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.042 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 43 Resp: 476185
Ion Ratio Lower Upper
43 100
58 34.5 28.7 43.1

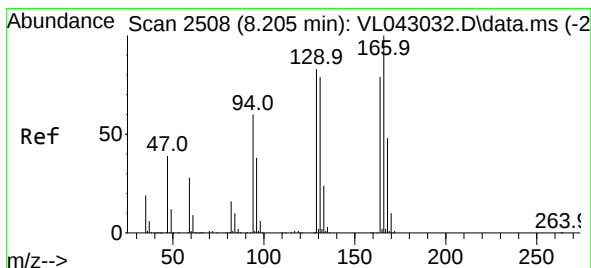
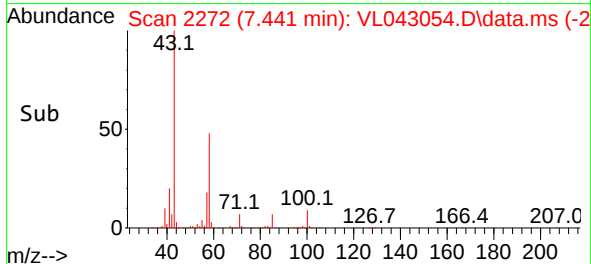
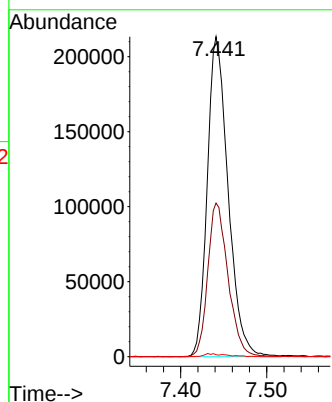
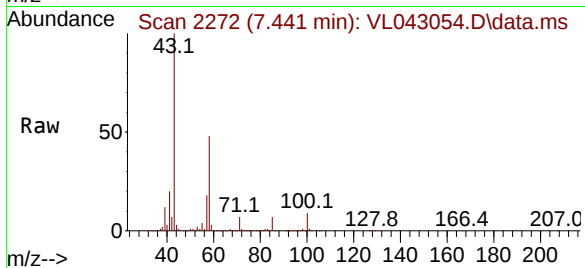




#51
2-Hexanone
Concen: 12.373 ppbv
RT: 7.441 min Scan# 2117
Delta R.T. 0.029 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

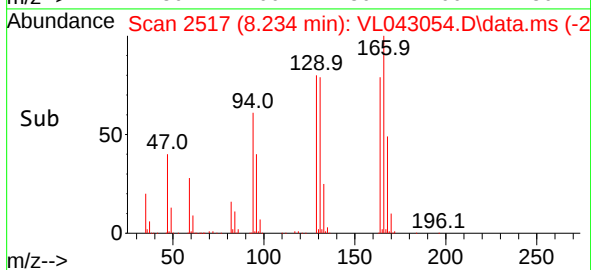
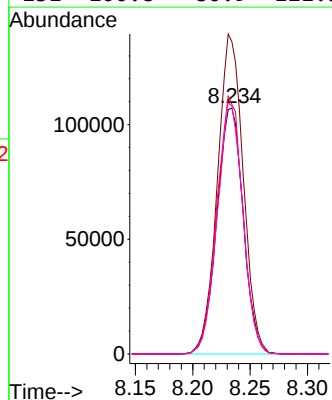
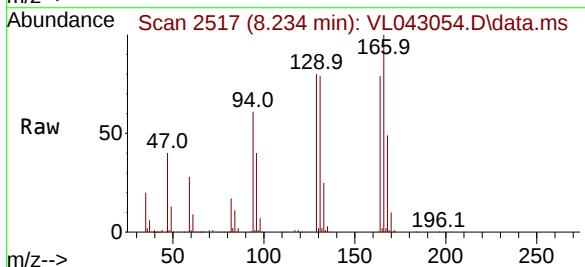
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

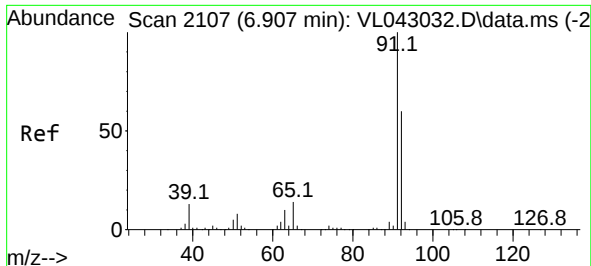
Tgt Ion: 43 Resp: 357942
Ion Ratio Lower Upper
43 100
58 47.0 39.1 58.7
98 1.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 9.842 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.029 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 164 Resp: 171023
Ion Ratio Lower Upper
164 100
166 127.1 101.8 152.8
129 101.4 84.5 126.7
131 100.8 80.9 121.3

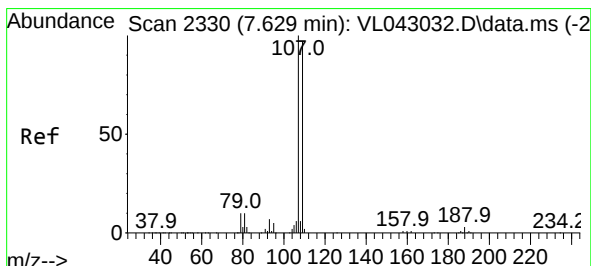
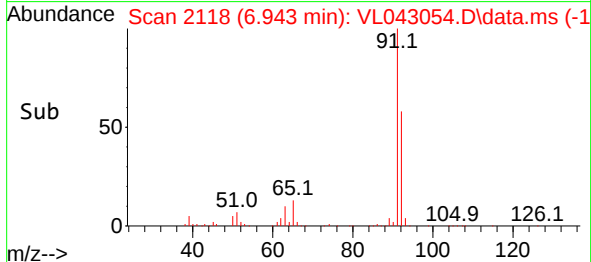
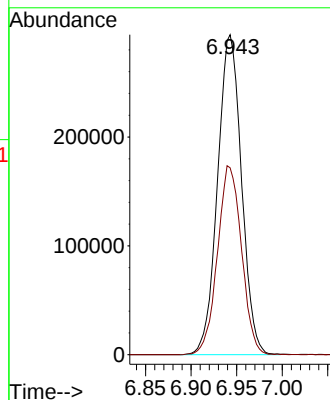
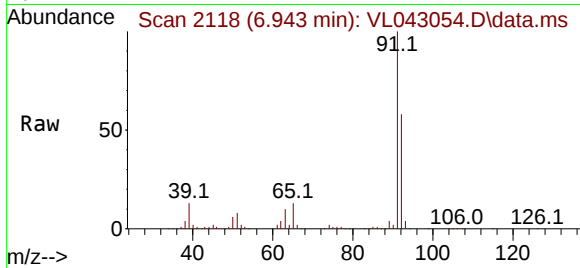




#53
Toluene
Concen: 11.344 ppbv
RT: 6.943 min Scan# 2107
Delta R.T. 0.035 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

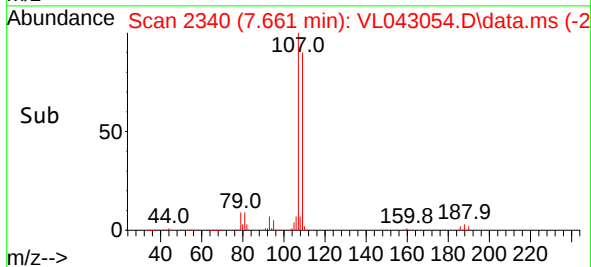
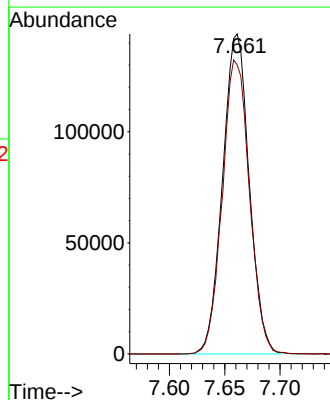
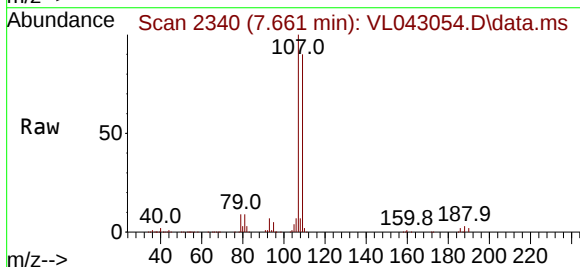
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

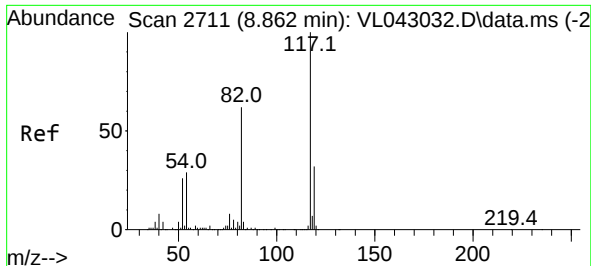
Tgt Ion: 91 Resp: 537460
Ion Ratio Lower Upper
91 100
92 59.3 47.8 71.6



#54
1,2-Dibromoethane
Concen: 10.528 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.032 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 107 Resp: 241443
Ion Ratio Lower Upper
107 100
109 90.4 77.4 116.0

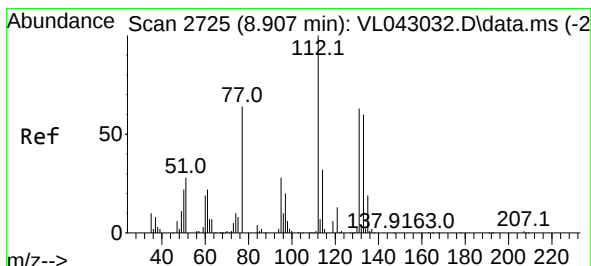
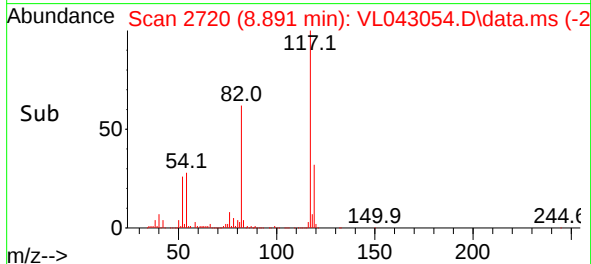
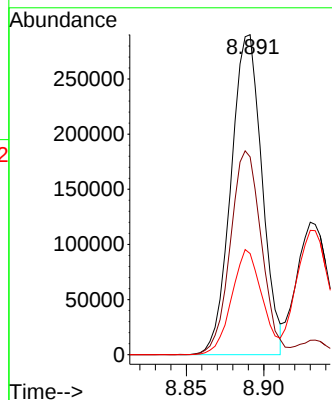
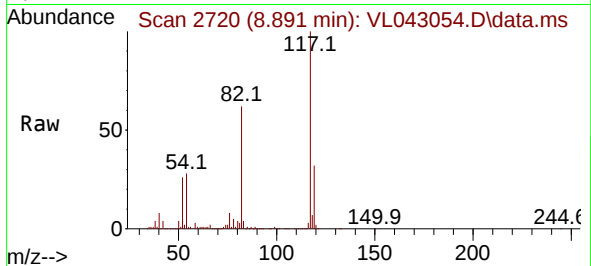




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

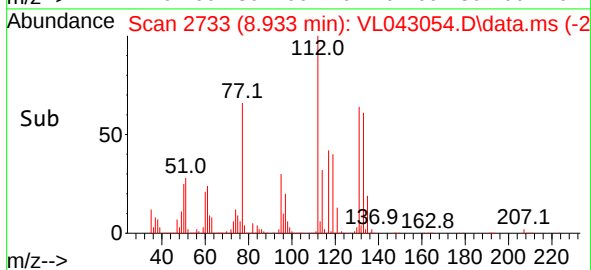
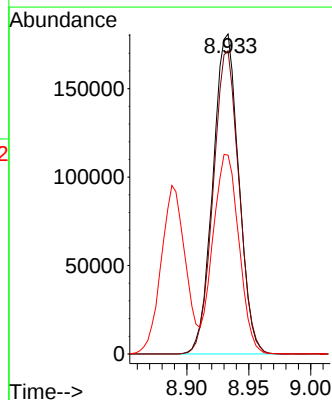
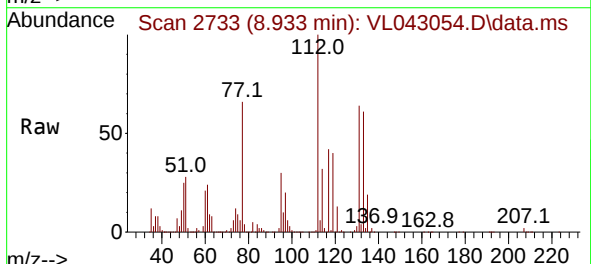
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

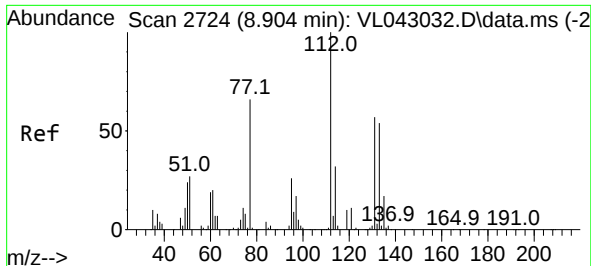
Tgt Ion:117 Resp: 404989
Ion Ratio Lower Upper
117 100
82 68.5 53.0 79.6
119 33.6 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 10.662 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.026 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion:131 Resp: 263217
Ion Ratio Lower Upper
131 100
133 94.6 76.2 114.4
119 62.5 49.4 74.2

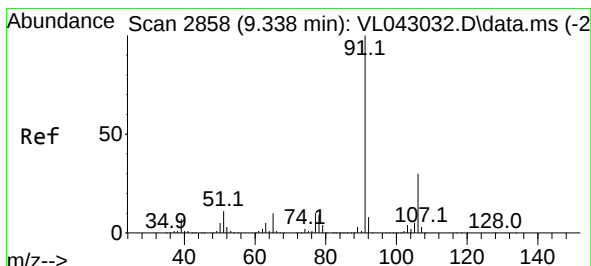
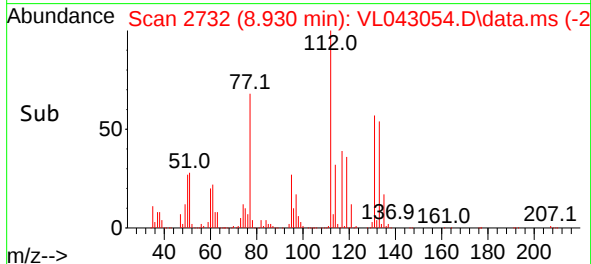
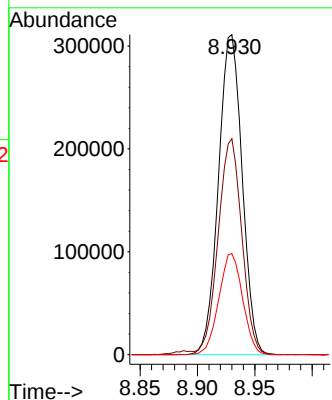
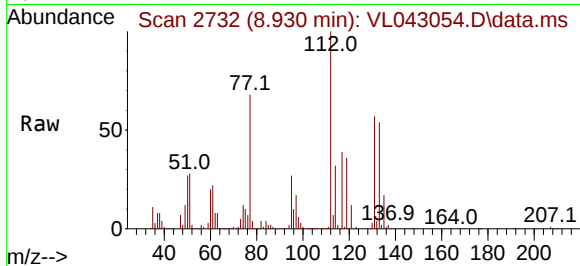




#57
Chlorobenzene
Concen: 10.467 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

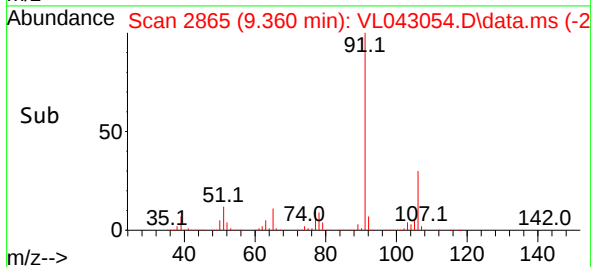
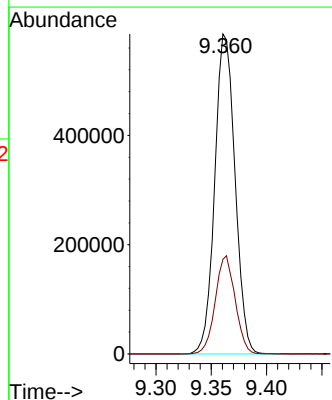
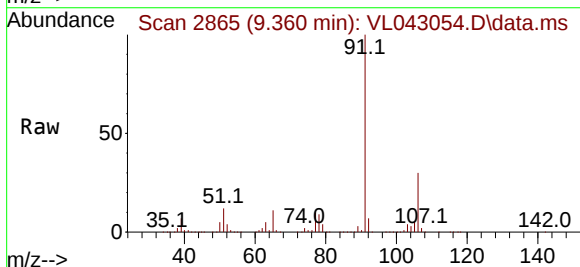
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

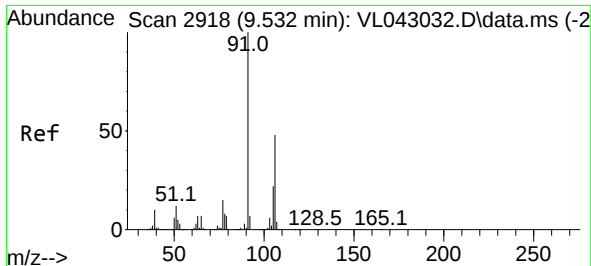
Tgt Ion:112 Resp: 448132
Ion Ratio Lower Upper
112 100
77 67.5 53.2 79.8
114 31.6 28.6 35.0



#58
Ethyl Benzene
Concen: 11.896 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. 0.023 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 91 Resp: 746366
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1





#59

m/p-Xylene

Concen: 11.537 ppbv

RT: 9.558 min Scan# 2918

Delta R.T. 0.026 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

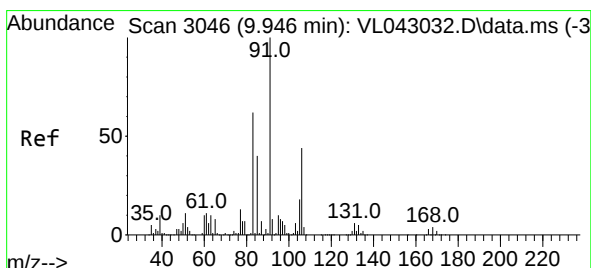
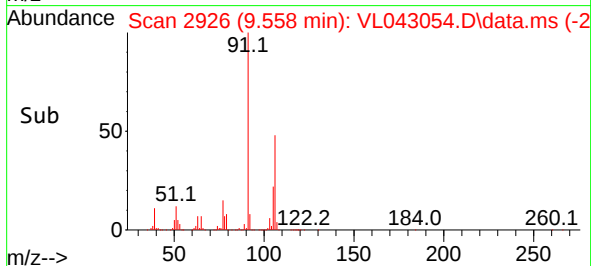
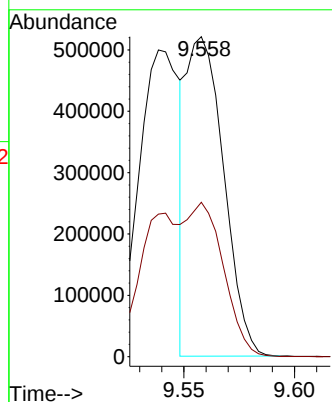
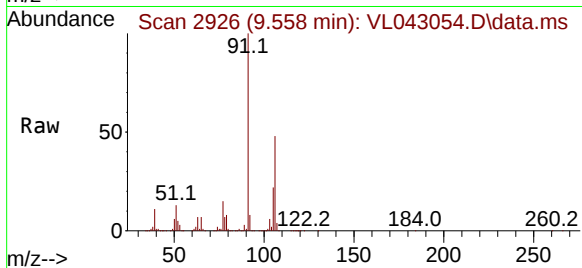
VSTDCCC010

Tgt Ion: 91 Resp: 610546

Ion Ratio Lower Upper

91 100

106 97.4 37.5 56.3#



#60

o-Xylene

Concen: 11.972 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.023 min

Lab File: VL043054.D

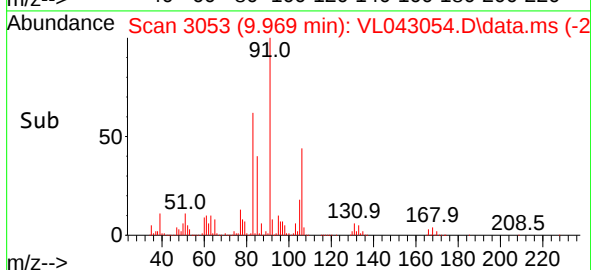
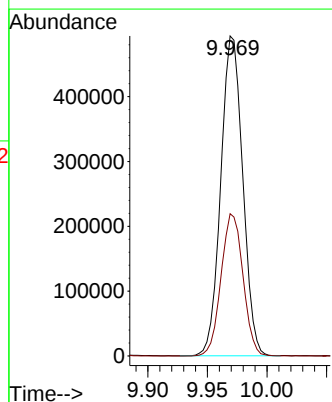
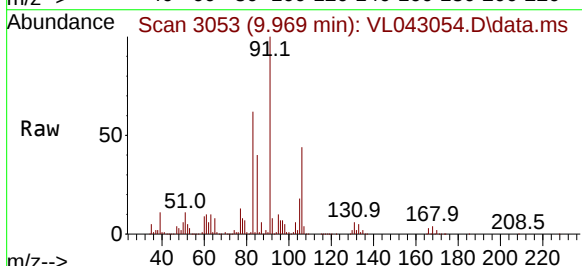
Acq: 08 Oct 2025 08:54

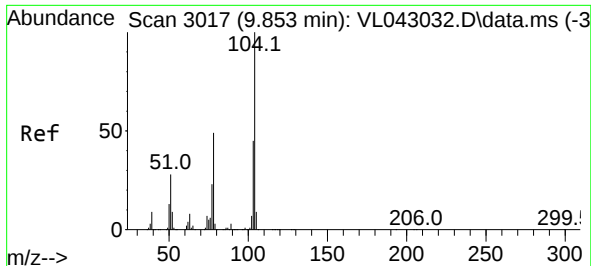
Tgt Ion: 91 Resp: 631124

Ion Ratio Lower Upper

91 100

106 44.5 21.9 65.5





#61

Styrene

Concen: 12.037 ppbv

RT: 9.878 min Scan# 3017

Delta R.T. 0.026 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

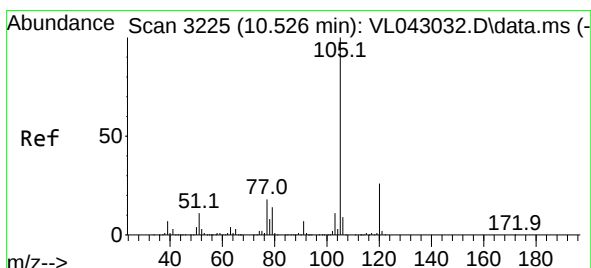
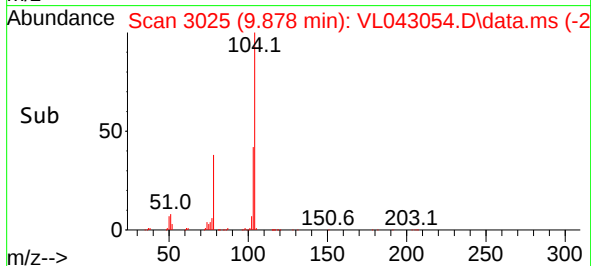
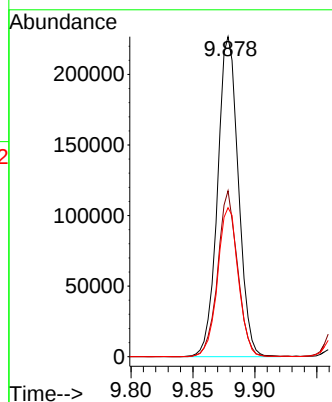
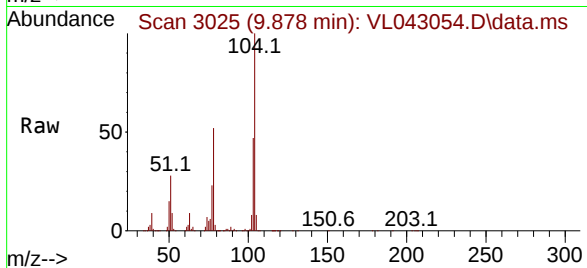
Tgt Ion:104 Resp: 265817

Ion Ratio Lower Upper

104 100

78 49.4 39.7 59.5

103 46.6 37.6 56.4



#62

Isopropylbenzene

Concen: 11.588 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.019 min

Lab File: VL043054.D

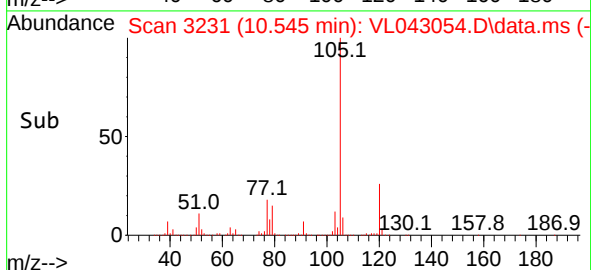
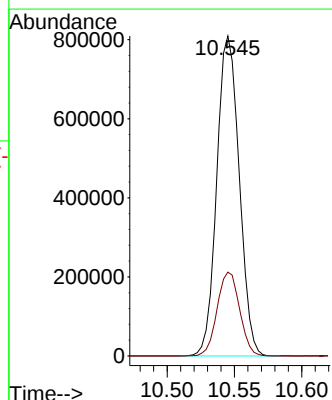
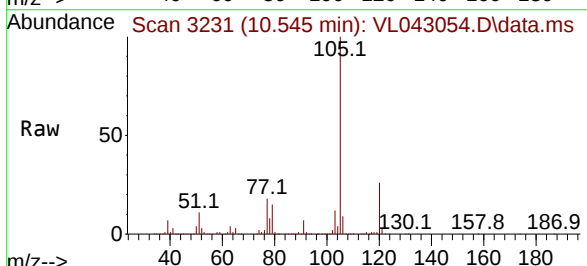
Acq: 08 Oct 2025 08:54

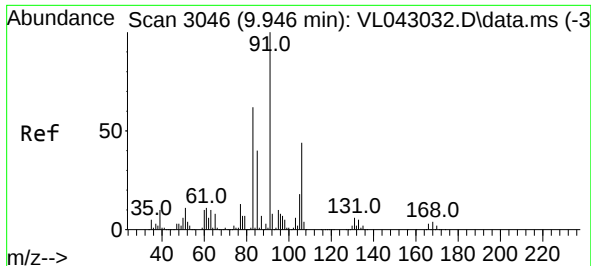
Tgt Ion:105 Resp: 937727

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

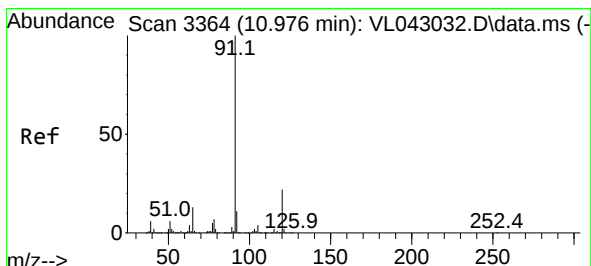
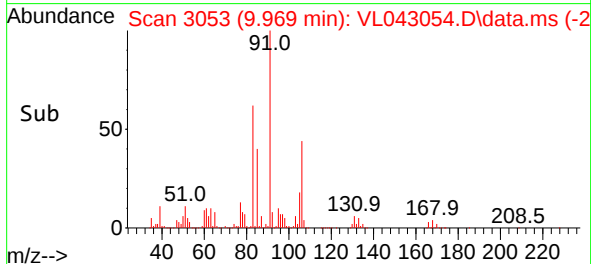
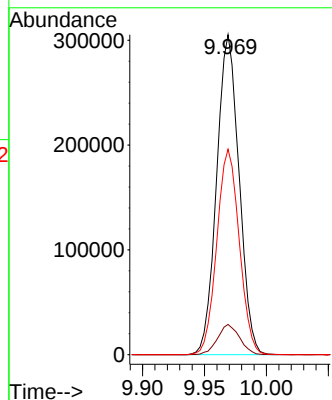
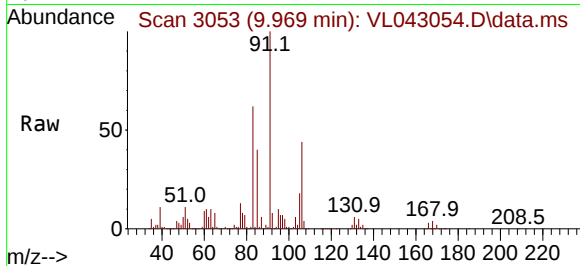




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.198 ppbv
 RT: 9.969 min Scan# 3046
 Delta R.T. 0.023 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

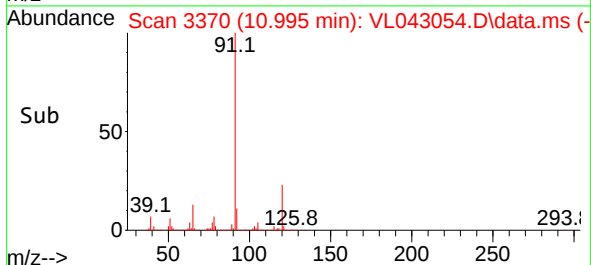
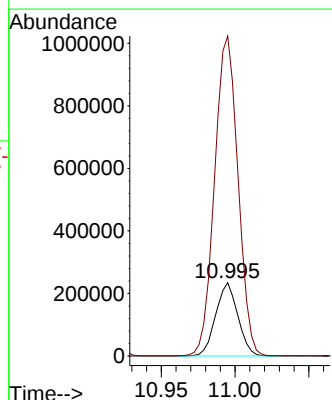
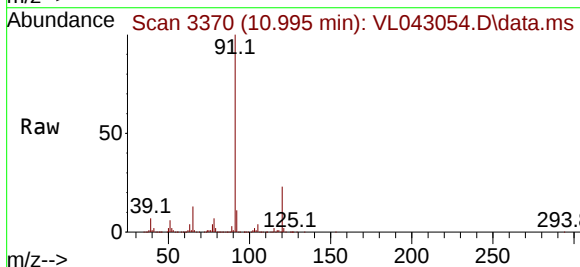
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

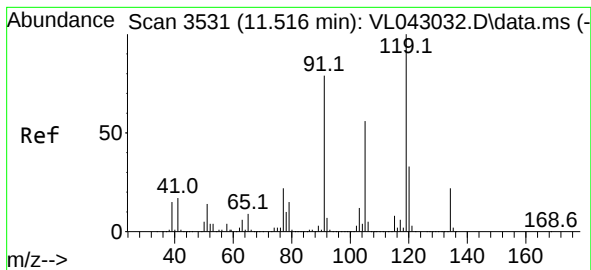
Tgt Ion: 83 Resp: 385656
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.1
 85 64.2 32.0 96.2



#64
 n-propylbenzene
 Concen: 11.774 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. 0.019 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 120 Resp: 243735
 Ion Ratio Lower Upper
 120 100
 91 464.3 367.0 550.4





#65

tert-Butylbenzene

Concen: 11.561 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. 0.019 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

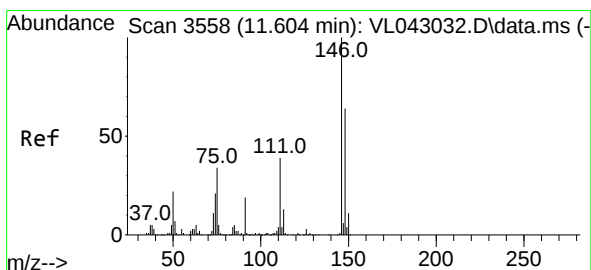
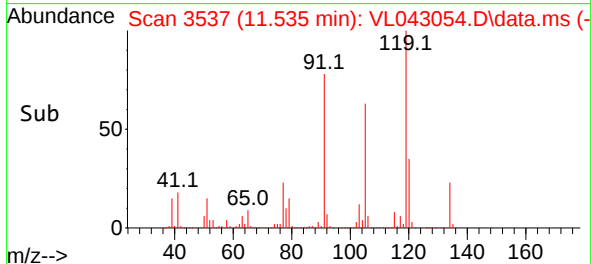
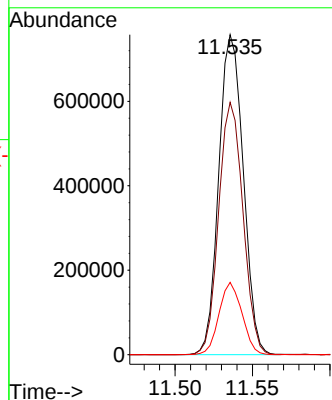
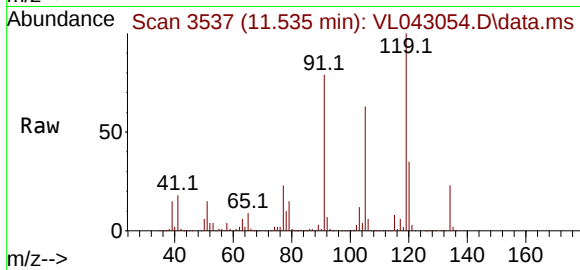
Tgt Ion:119 Resp: 832617

Ion Ratio Lower Upper

119 100

91 78.4 63.1 94.7

134 21.2 16.9 25.3



#66

Benzyl Chloride

Concen: 10.467 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.016 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

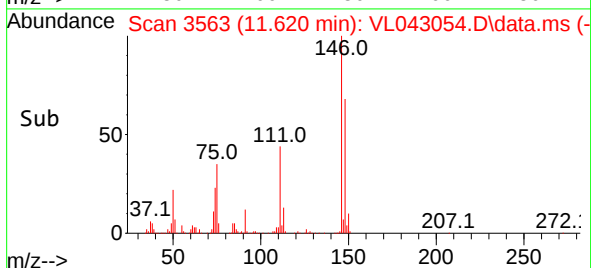
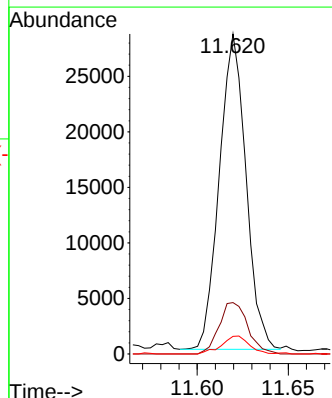
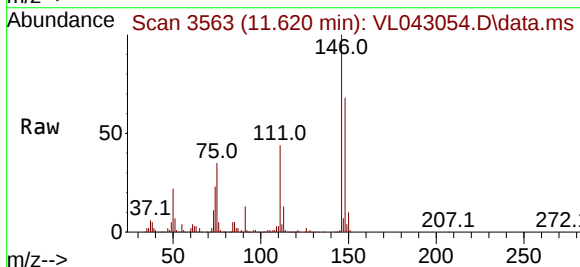
Tgt Ion: 91 Resp: 28811

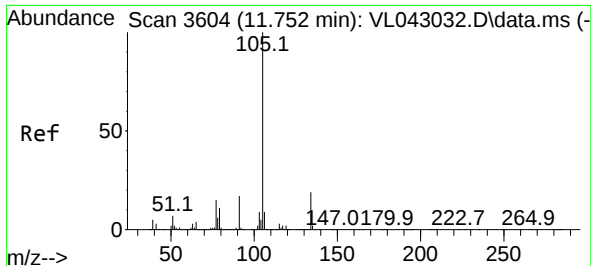
Ion Ratio Lower Upper

91 100

126 17.5 14.2 21.4

128 6.0 4.8 7.2

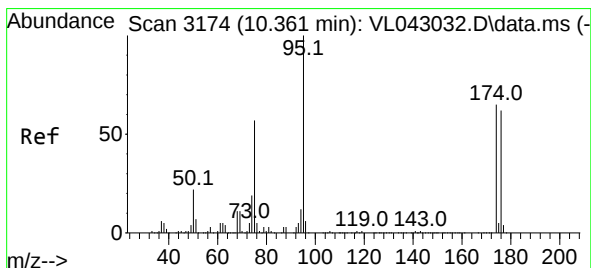
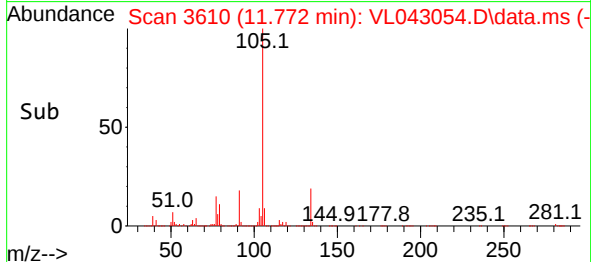
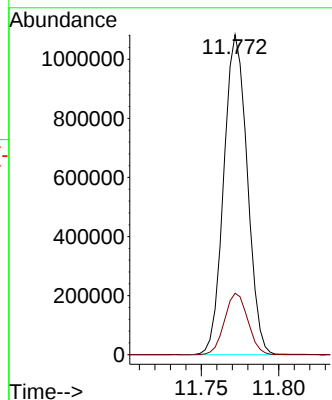
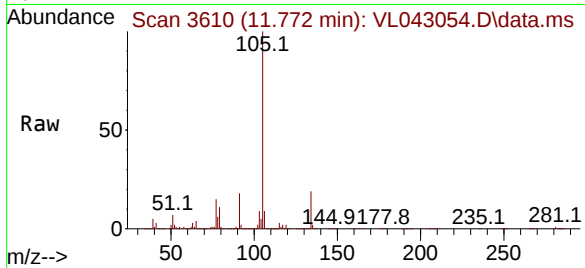




#67
 sec-Butylbenzene
 Concen: 11.350 ppbv
 RT: 11.772 min Scan# 3181
 Delta R.T. 0.019 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

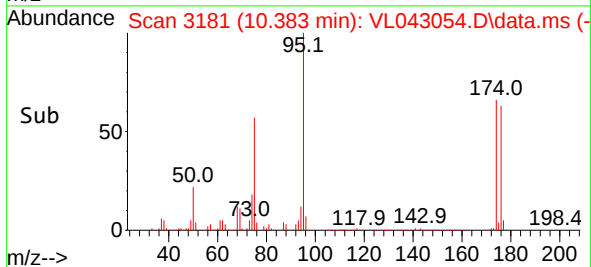
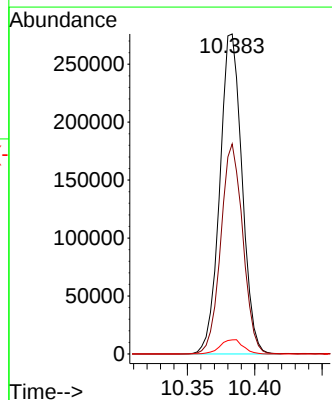
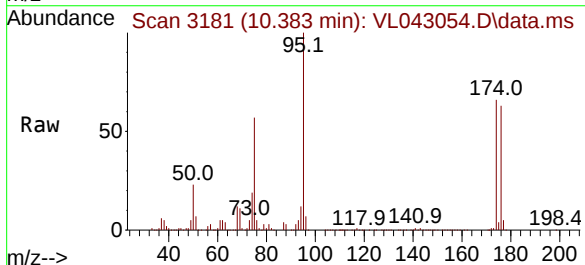
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

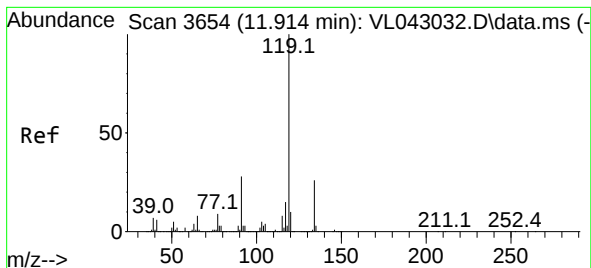
Tgt Ion:105 Resp: 1140714
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.860 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.023 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Tgt Ion: 95 Resp: 316847
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.3 78.5
 175 4.6 3.8 5.8





#69

p-Isopropyltoluene

Concen: 11.550 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.016 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

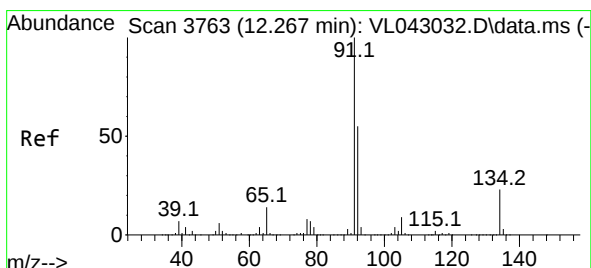
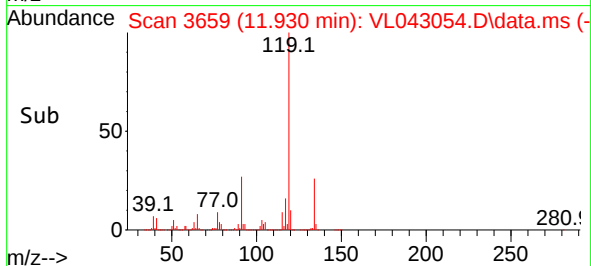
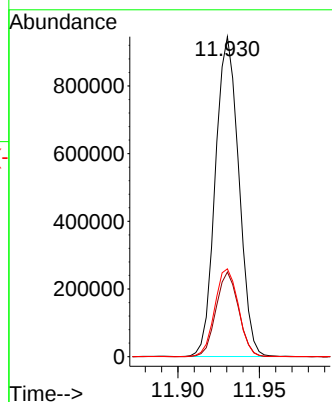
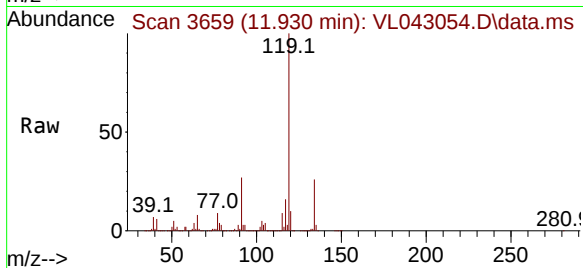
Tgt Ion:119 Resp: 944301

Ion Ratio Lower Upper

119 100

134 25.7 20.5 30.7

91 27.9 22.6 33.8



#70

n-Butylbenzene

Concen: 11.600 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. 0.019 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

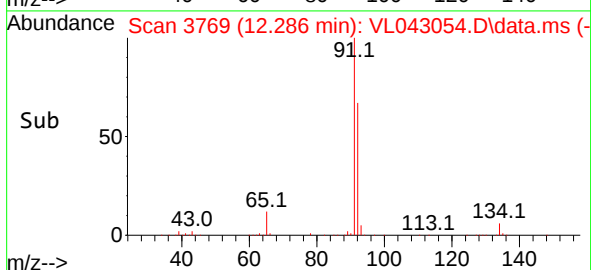
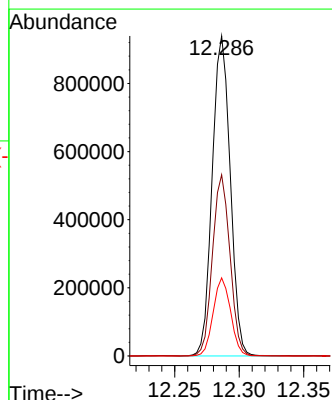
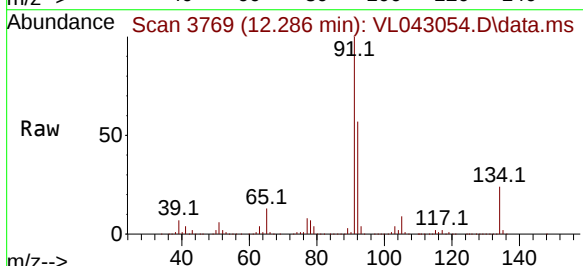
Tgt Ion: 91 Resp: 913129

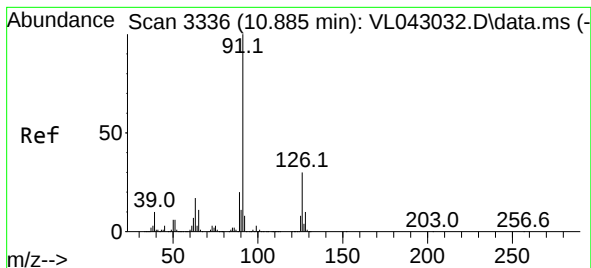
Ion Ratio Lower Upper

91 100

92 55.1 43.9 65.9

134 23.6 18.9 28.3

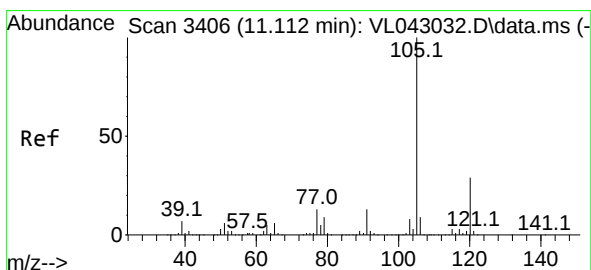
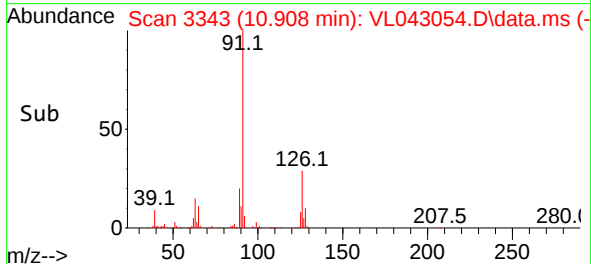
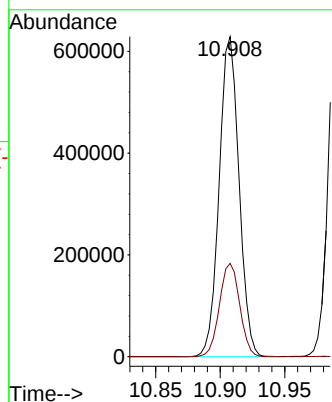
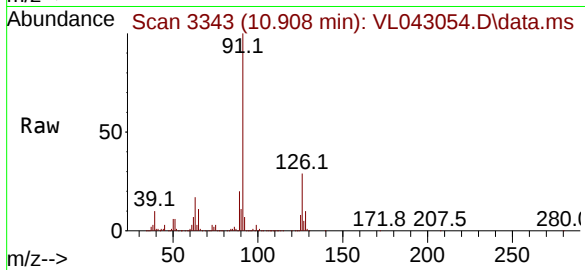




#71
2-Chlorotoluene
Concen: 11.439 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

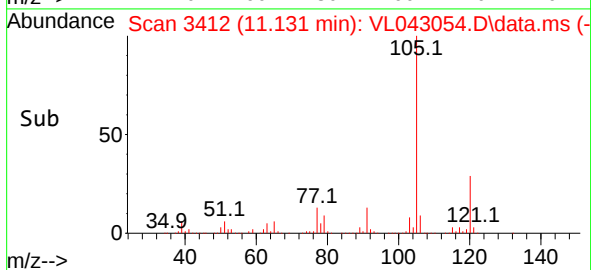
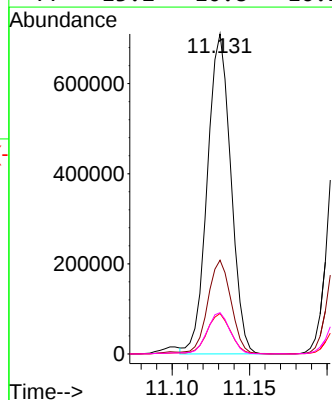
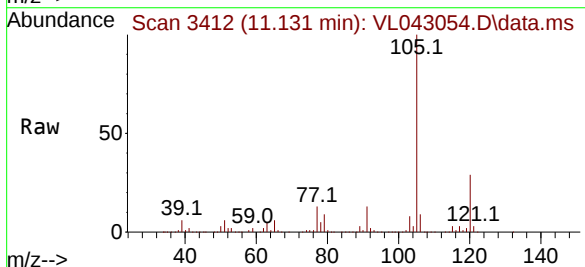
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

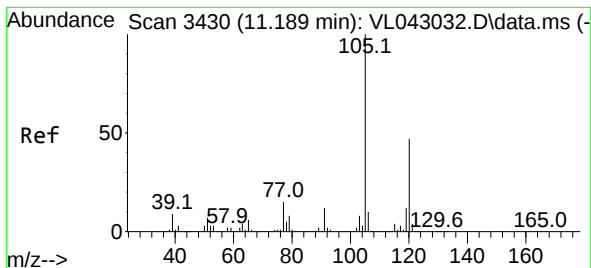
Tgt Ion: 91 Resp: 669943
Ion Ratio Lower Upper
91 100
126 29.7 12.2 48.6



#72
4-Ethyltoluene
Concen: 11.916 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.019 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion: 105 Resp: 747654
Ion Ratio Lower Upper
105 100
120 29.7 23.5 35.3
91 13.1 10.4 15.6
77 13.2 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 11.476 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.019 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Instrument :

MSVOA_L

ClientSampleId :

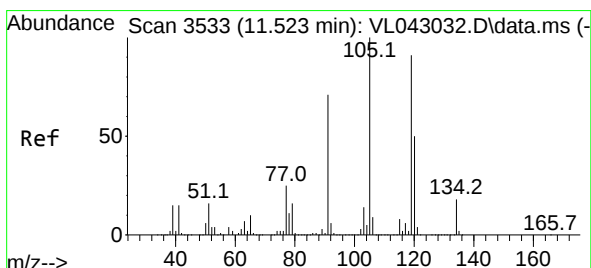
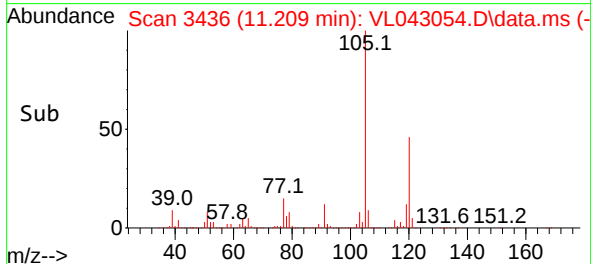
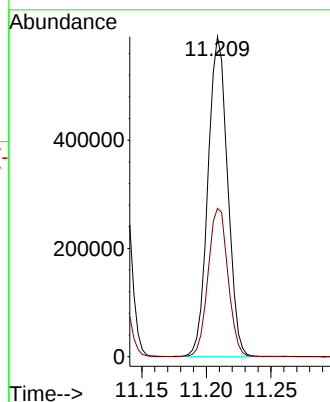
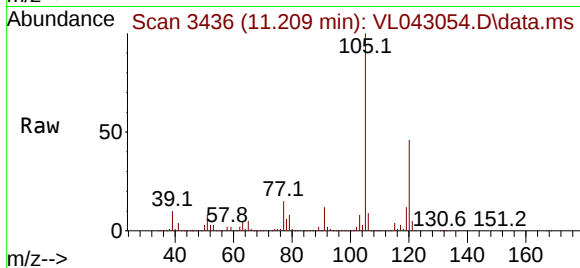
VSTDCCC010

Tgt Ion:105 Resp: 622884

Ion Ratio Lower Upper

105 100

120 46.3 37.5 56.3



#74

1,2,4-Trimethylbenzene

Concen: 11.459 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.019 min

Lab File: VL043054.D

Acq: 08 Oct 2025 08:54

Tgt Ion:105 Resp: 701955

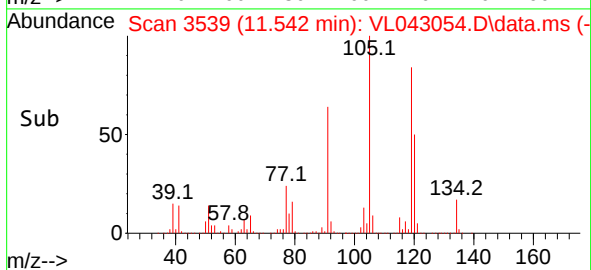
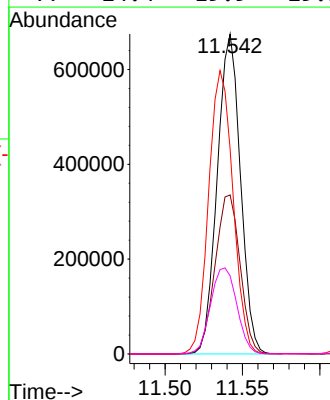
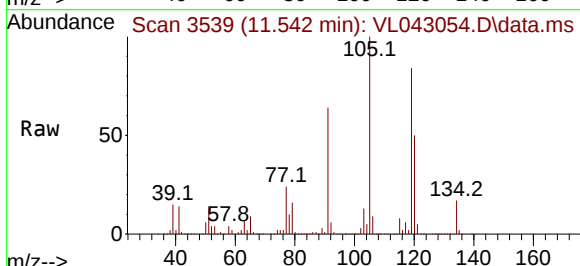
Ion Ratio Lower Upper

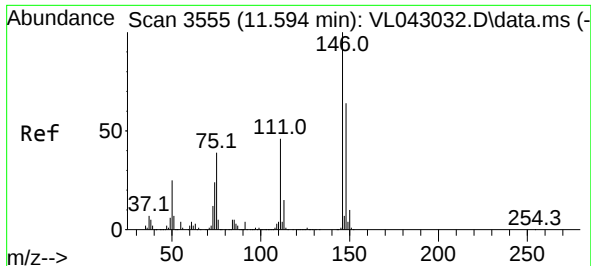
105 100

120 49.7 39.7 59.5

91 64.0 56.5 84.7

77 24.4 19.9 29.9

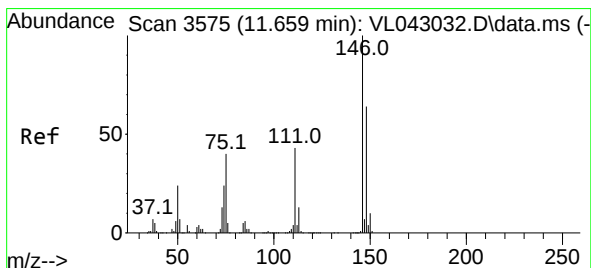
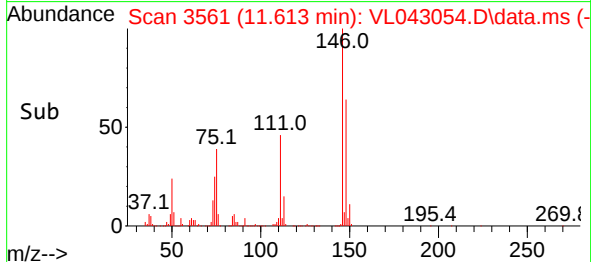
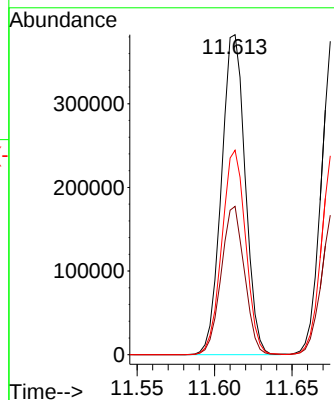
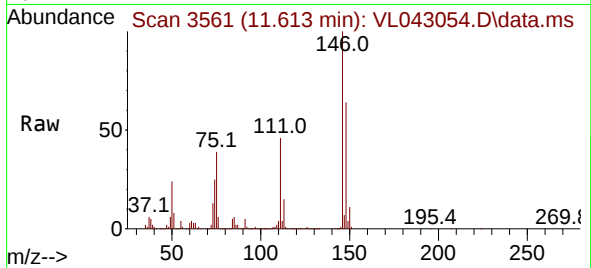




#75
1,3-Dichlorobenzene
Concen: 10.249 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.019 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

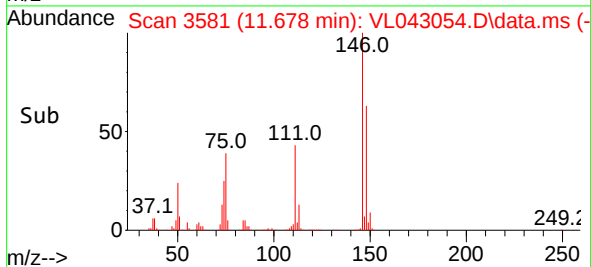
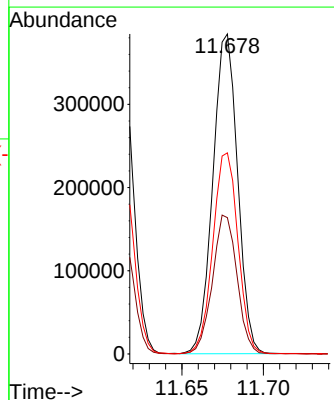
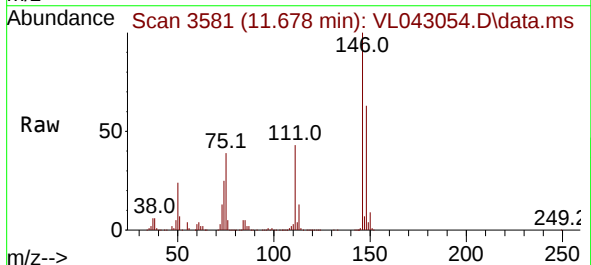
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

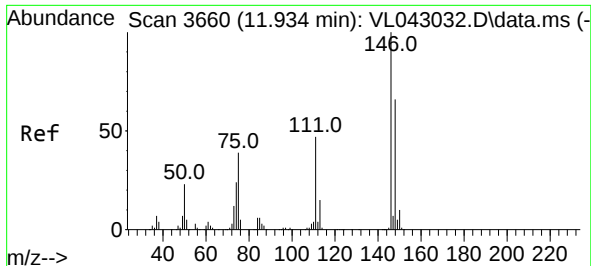
Tgt Ion:146 Resp: 408359
Ion Ratio Lower Upper
146 100
111 45.4 22.6 67.7
148 64.0 31.9 95.7



#76
1,4-Dichlorobenzene
Concen: 10.658 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.019 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion:146 Resp: 404912
Ion Ratio Lower Upper
146 100
111 43.4 21.7 65.1
148 64.1 32.1 96.3

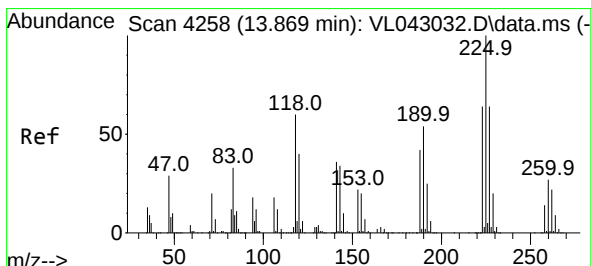
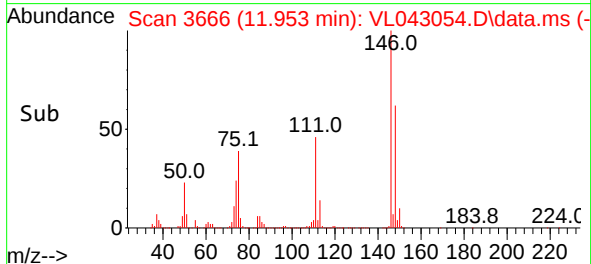
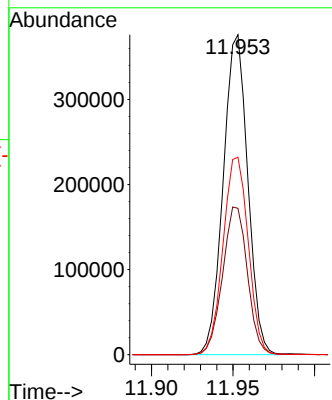
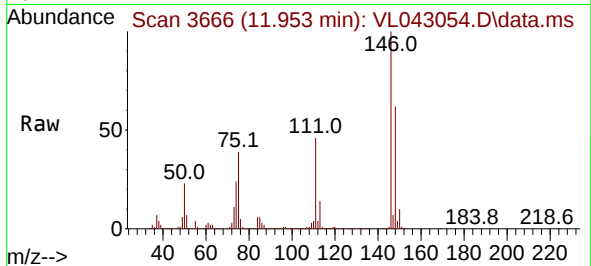




#77
1,2-Dichlorobenzene
Concen: 9.920 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.019 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

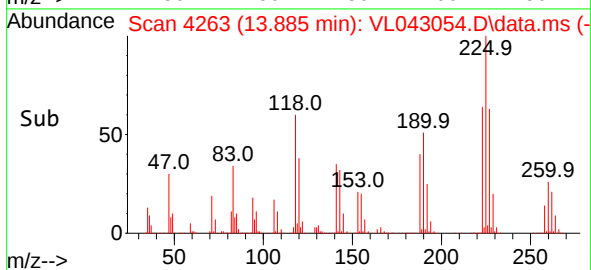
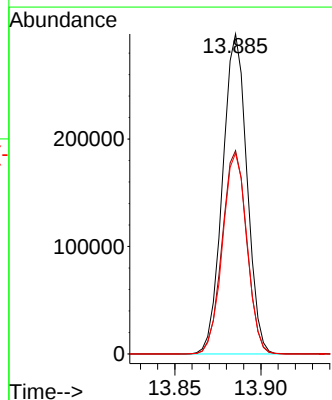
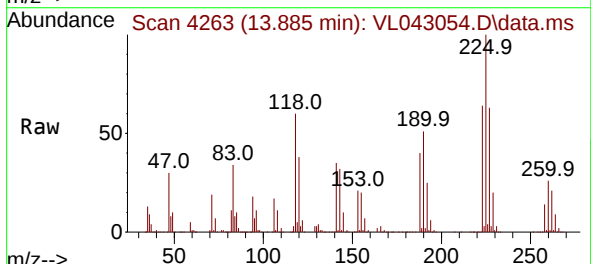
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

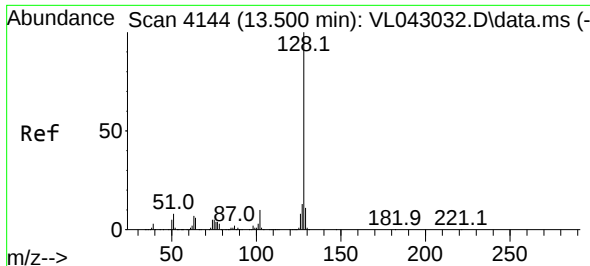
Tgt Ion:146 Resp: 393683
Ion Ratio Lower Upper
146 100
111 46.8 23.2 69.5
148 63.6 31.9 95.7



#78
Hexachloro-1,3-Butadiene
Concen: 10.593 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.016 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion:225 Resp: 292935
Ion Ratio Lower Upper
225 100
223 64.1 50.9 76.3
227 63.1 50.9 76.3

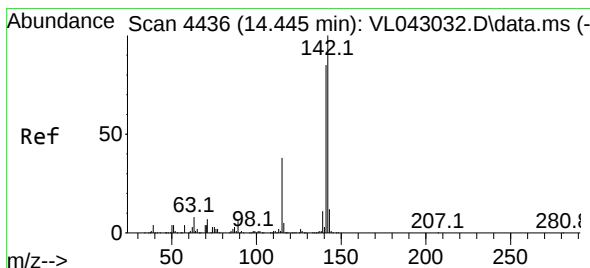
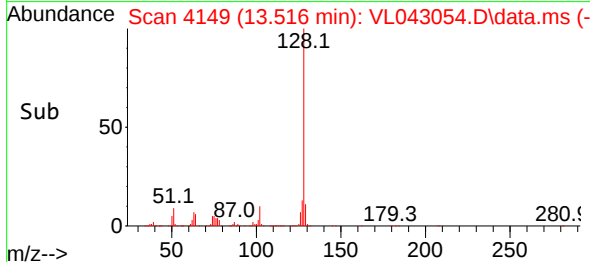
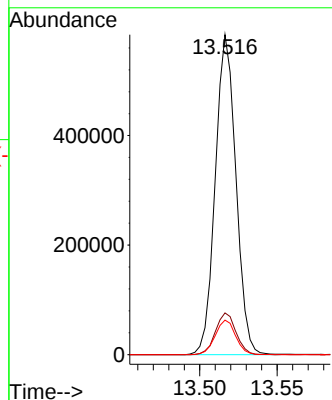
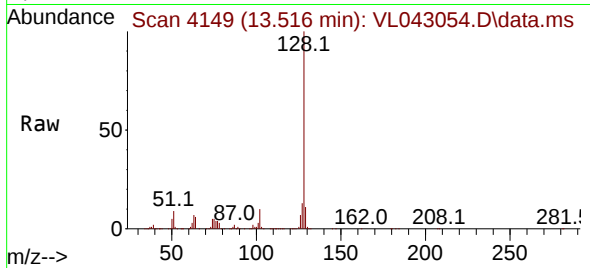




#79
Naphthalene
Concen: 10.391 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.016 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

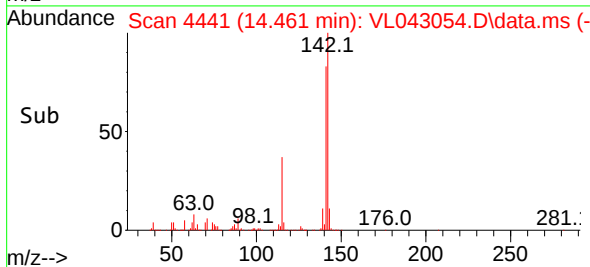
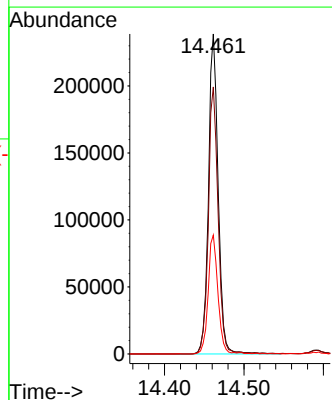
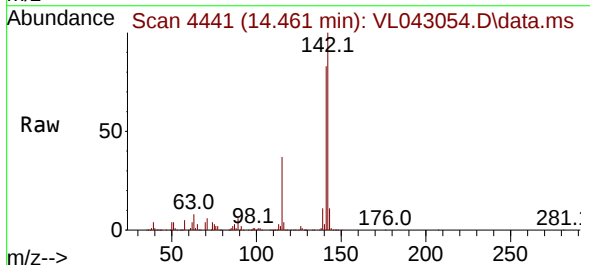
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

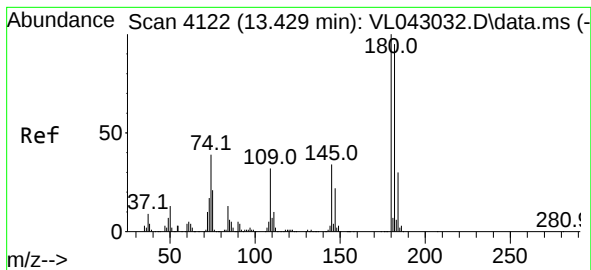
Tgt Ion:128 Resp: 541487
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.8 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 8.485 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.016 min
Lab File: VL043054.D
Acq: 08 Oct 2025 08:54

Tgt Ion:142 Resp: 203182
Ion Ratio Lower Upper
142 100
141 84.7 66.6 100.0
115 37.8 30.1 45.1





#81
 1,2,4-Trichlorobenzene
 Concen: 13.050 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL043054.D
 Acq: 08 Oct 2025 08:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 308127
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.9 115.3
 184 30.2 23.9 35.9

