

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042851.D
 Acq On : 13 Aug 2025 14:32
 Operator : SY/MD
 Sample : VL0813ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 14 02:17:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	116881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	368200	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322291	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	244955	10.134	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	159958	9.338	ppbv	100
3) Chlorodifluoromethane	1.479	51	177225	9.360	ppbv	100
4) Chloromethane	1.534	50	62240	9.004	ppbv	99
5) Vinyl Chloride	1.583	62	59335	8.716	ppbv	99
6) Bromomethane	1.670	94	23152	8.505	ppbv	97
7) Chloroethane	1.706	64	23657	8.898	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	132763	9.471	ppbv	95
9) Propene	1.486	41	71030	8.686	ppbv	97
10) Heptane	4.991	43	199706	9.118	ppbv	98
11) Trichlorofluoromethane	1.881	101	153519	9.084	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	123905	9.198	ppbv	97
13) Ethanol	1.725	45	5608	7.501	ppbv	100
14) Bromoethene	1.784	108	45076	9.244	ppbv	98
15) Acetone	1.839	43	115155	7.448	ppbv	100
16) 1,3-Butadiene	1.612	39	58958	8.412	ppbv	99
17) tert-Butyl alcohol	2.043	59	158939	8.668	ppbv	99
18) 1,1-Dichloroethene	2.036	96	55494	9.371	ppbv	97
19) Isopropyl Alcohol	1.890	45	78860	8.540	ppbv	100
20) Methylene Chloride	2.065	84	48184	7.439	ppbv	90
21) Allyl Chloride	2.101	41	96710	8.854	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	62464	9.117	ppbv	94
23) Vinyl Acetate	2.467	43	206801	9.728	ppbv	99
24) 1,1-Dichloroethane	2.415	63	123052	8.993	ppbv	98
25) Ethyl Acetate	2.842	43	344281	9.200	ppbv	99
26) Hexane	2.832	57	159005	9.206	ppbv	97
27) Carbon Disulfide	2.156	76	153403	9.126	ppbv #	91
28) Methyl tert-Butyl Ether	2.444	73	84816	9.630	ppbv	93
29) Chloroform	2.855	83	234067	9.492	ppbv	99
30) Cyclohexane	3.865	84	140375	9.270	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	158712	9.199	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	245800	9.431	ppbv	100
34) 2-Butanone	2.560	43	224149	9.016	ppbv	100
35) Carbon Tetrachloride	3.771	117	235598	9.281	ppbv	96
36) Benzene	3.664	78	330026	9.360	ppbv	99
37) 1,2-Dichloroethane	3.227	62	181878	9.874	ppbv	98
38) Trichloroethene	4.557	130	144018	8.944	ppbv	95
39) 1,2-Dichloropropane	4.324	63	119442	9.275	ppbv	97
40) 1,4-Dioxane	4.593	88	53171	8.683	ppbv #	92
41) Tetrahydrofuran	3.059	42	127578	9.204	ppbv	98
42) Bromodichloromethane	4.502	83	261380	9.522	ppbv	98
43) Methyl Methacrylate	4.894	69	131335	9.042	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	540935	9.039	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	152588	9.309	ppbv	99

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

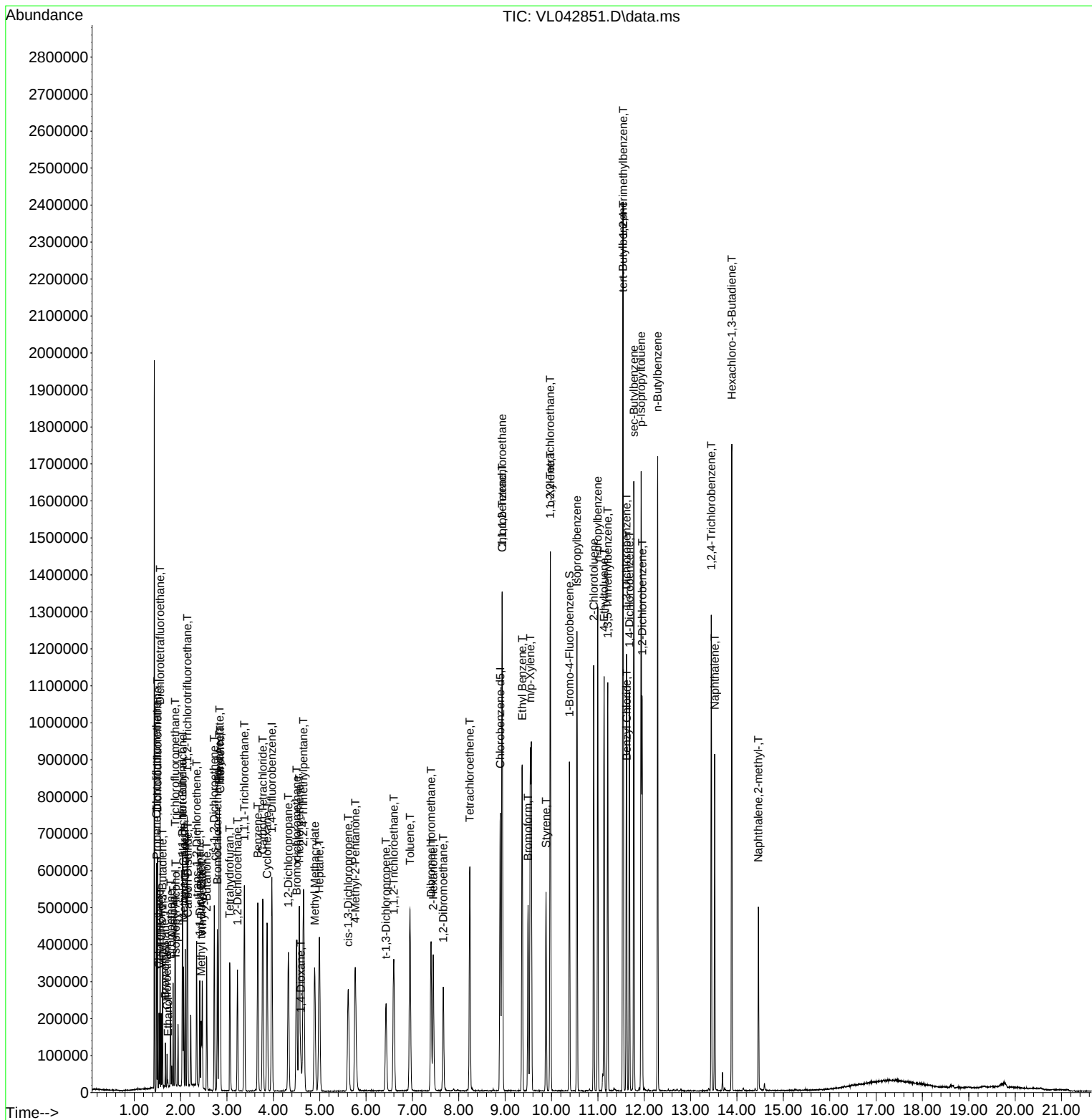
Instrument :
 MSVOA_L
 ClientSampleId :

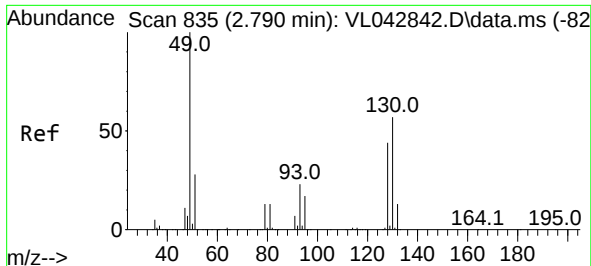
Quant Time: Aug 14 02:17:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	189646	9.285	ppbv	98
47) 1,1,2-Trichloroethane	6.597	97	127667	9.357	ppbv	97
48) Dibromochloromethane	7.402	129	207804	9.412	ppbv	100
49) Bromoform	9.493	173	168015	9.228	ppbv	100
50) 4-Methyl-2-Pentanone	5.768	43	312046	9.286	ppbv	100
51) 2-Hexanone	7.448	43	248690	9.404	ppbv	98
52) Tetrachloroethene	8.238	164	107577	8.434	ppbv	94
53) Toluene	6.949	91	386291	9.216	ppbv	100
54) 1,2-Dibromoethane	7.665	107	184932	9.275	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.937	131	156352	9.381	ppbv	98
57) Chlorobenzene	8.933	112	285789	9.326	ppbv	98
58) Ethyl Benzene	9.367	91	534013	9.389	ppbv	99
59) m/p-Xylene	9.545	91	418211	9.381	ppbv #	100
60) o-Xylene	9.976	91	417423	9.308	ppbv	100
61) Styrene	9.882	104	197790	9.414	ppbv	99
62) Isopropylbenzene	10.548	105	607606	9.271	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	221716	8.990	ppbv	100
64) n-propylbenzene	10.998	120	153914	9.205	ppbv	98
65) tert-Butylbenzene	11.539	119	518992	8.983	ppbv	98
66) Benzyl Chloride	11.623	91	62299	8.494	ppbv	99
67) sec-Butylbenzene	11.775	105	741280	9.141	ppbv	99
69) p-Isopropyltoluene	11.934	119	612316	8.795	ppbv	98
70) n-Butylbenzene	12.290	91	629840	9.122	ppbv	98
71) 2-Chlorotoluene	10.911	91	467569	9.188	ppbv	98
72) 4-Ethyltoluene	11.134	105	505391	9.297	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	425759	9.210	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	456933	9.005	ppbv	97
75) 1,3-Dichlorobenzene	11.617	146	259541	8.997	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	261302	8.957	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	250432	8.866	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	173363	7.488	ppbv	98
79) Naphthalene	13.520	128	410796	8.930	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	145644	8.473	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	204023	8.824	ppbv	99

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

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

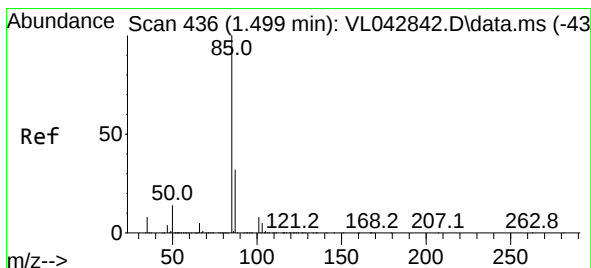
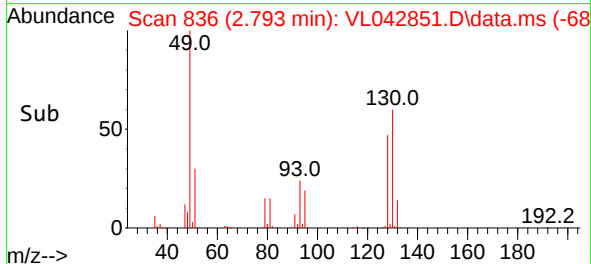
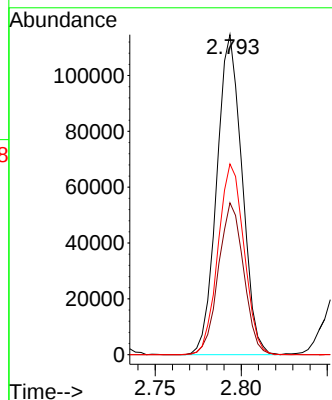
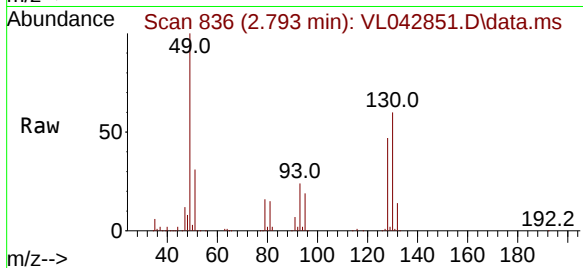




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

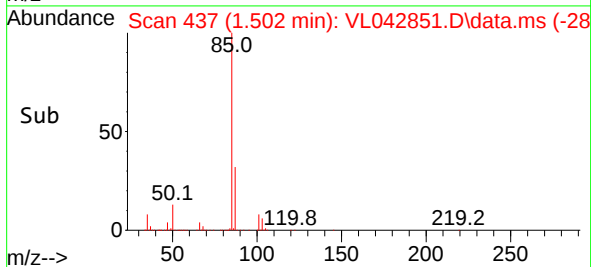
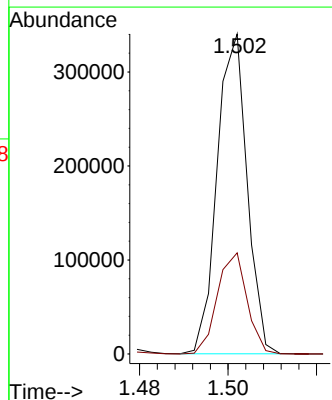
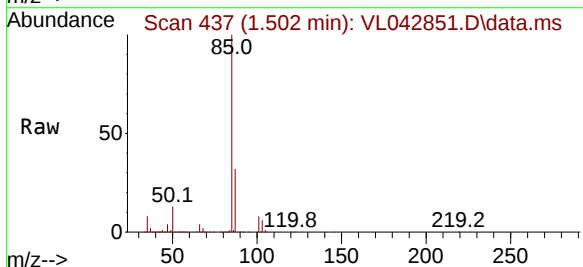
Instrument :
 MSVOA_L
 ClientSampleId :

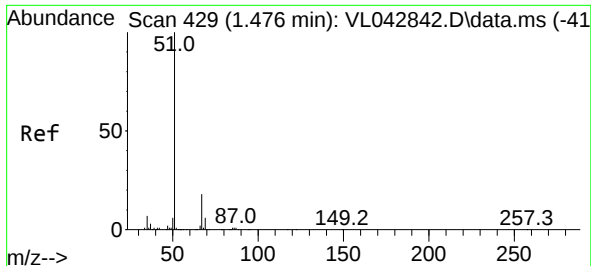
Tgt Ion: 49 Resp: 116881
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.7 71.1
 130 61.4 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 9.338 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 159958
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.3 37.9

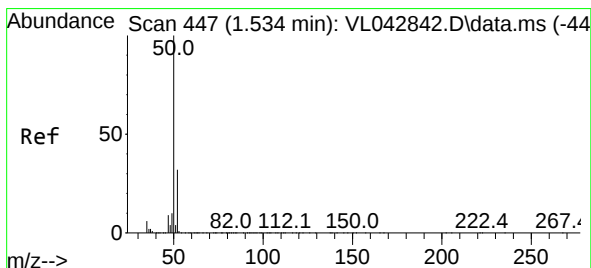
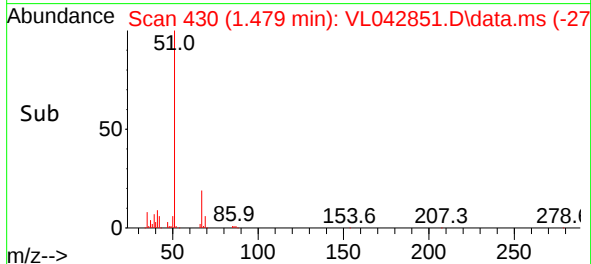
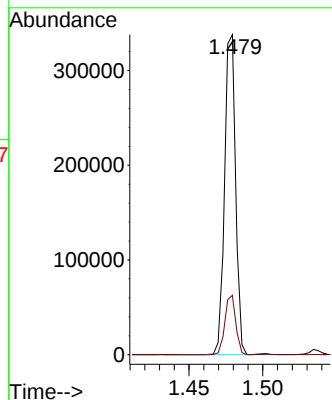
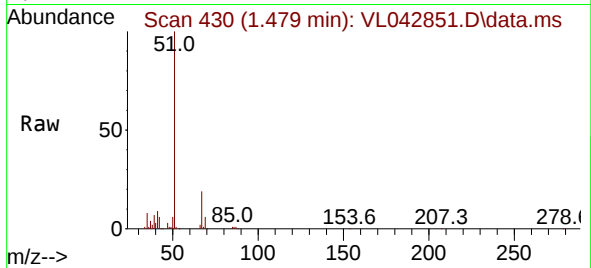




#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

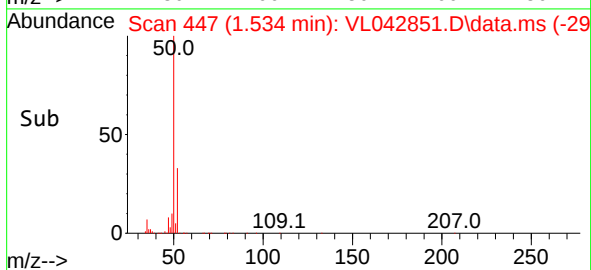
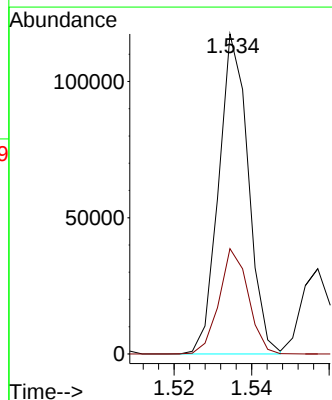
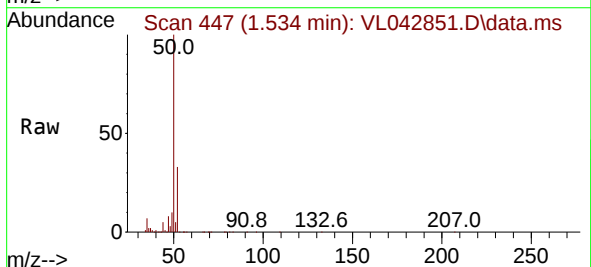
Instrument :
MSVOA_L
ClientSampleId :

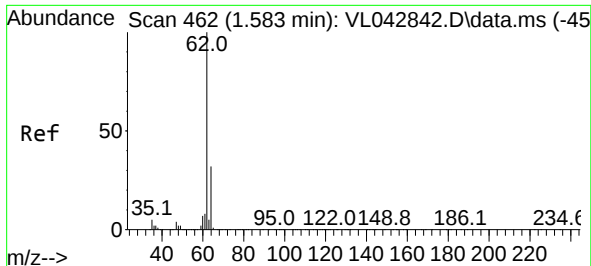
Tgt Ion: 51 Resp: 177225
Ion Ratio Lower Upper
51 100
67 18.5 14.9 22.3



#4
Chloromethane
Concen: 9.004 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 50 Resp: 62240
Ion Ratio Lower Upper
50 100
52 32.8 25.9 38.9

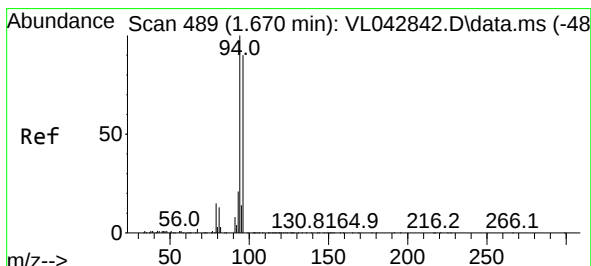
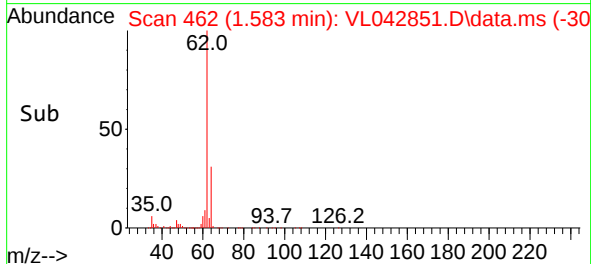
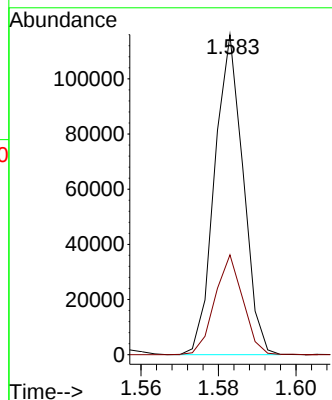
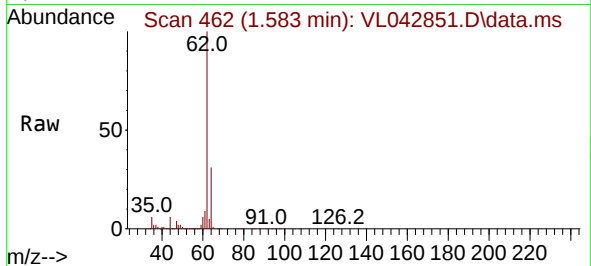




#5
 Vinyl Chloride
 Concen: 8.716 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

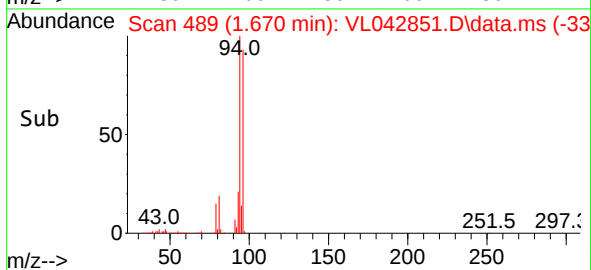
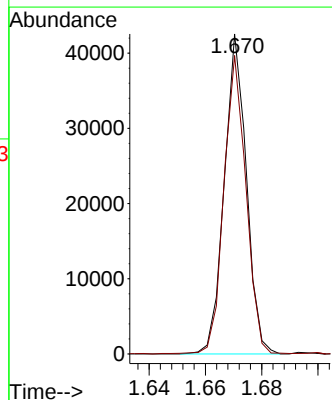
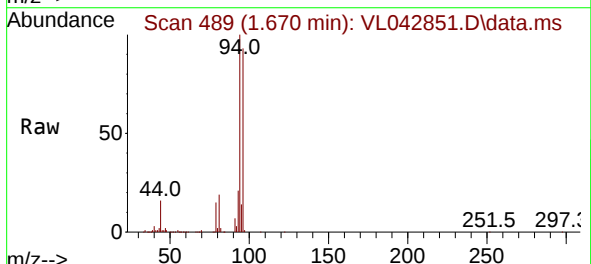
Instrument :
 MSVOA_L
 ClientSampleId :

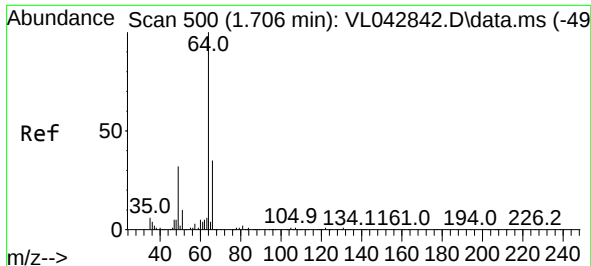
Tgt Ion: 62 Resp: 59335
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.4 38.2



#6
 Bromomethane
 Concen: 8.505 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Tgt Ion: 94 Resp: 23152
 Ion Ratio Lower Upper
 94 100
 96 93.1 72.1 108.1

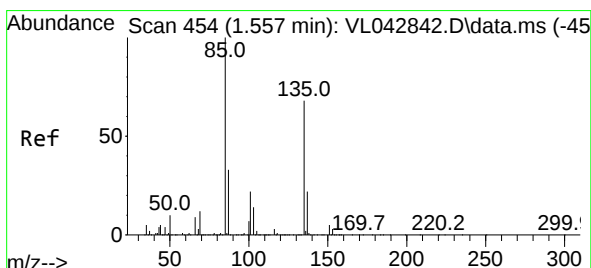
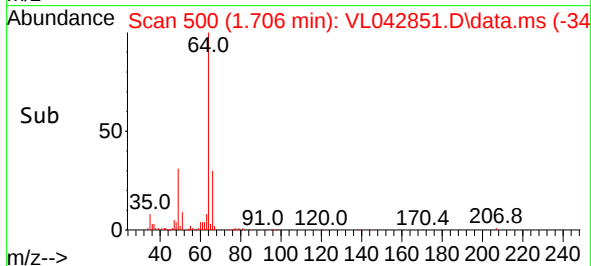
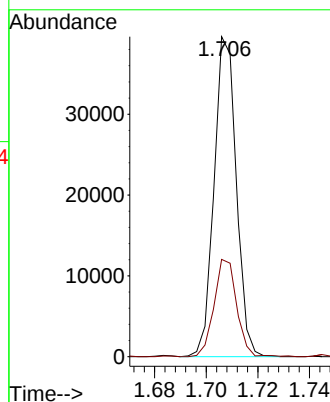
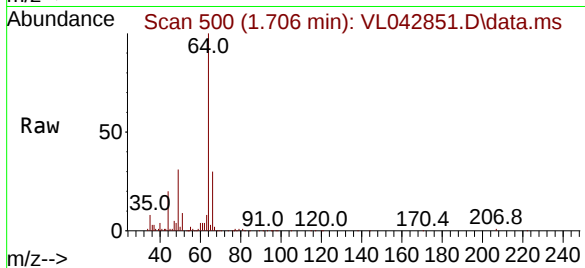




#7
Chloroethane
Concen: 8.898 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

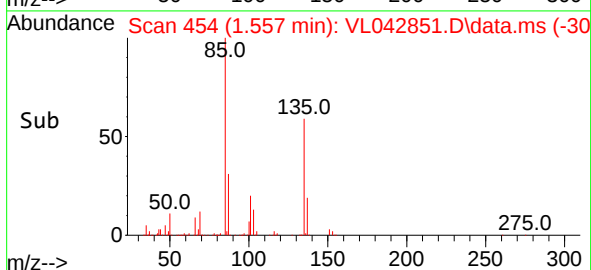
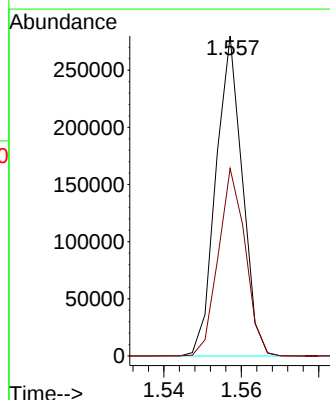
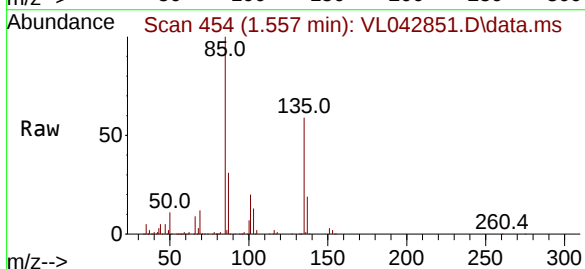
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ClientSampleId :

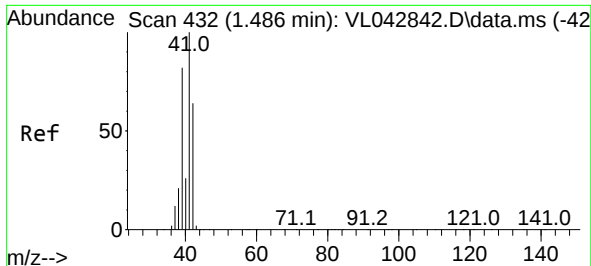
Tgt Ion: 64 Resp: 23657
Ion Ratio Lower Upper
64 100
66 30.4 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 9.471 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 132763
Ion Ratio Lower Upper
85 100
135 59.9 51.2 76.8





#9

Propene

Concen: 8.686 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

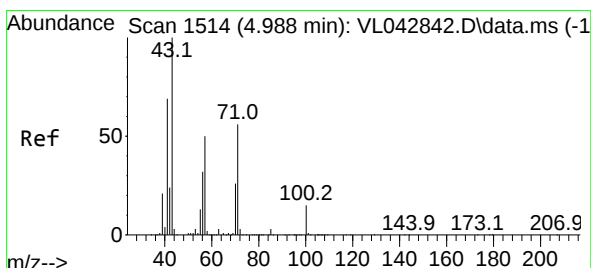
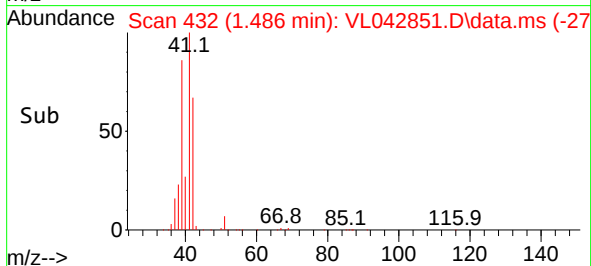
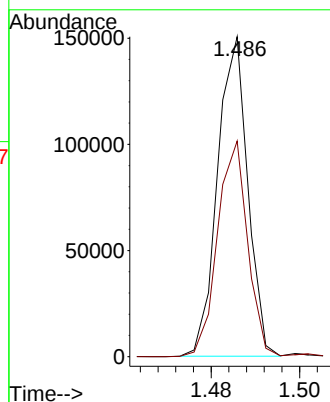
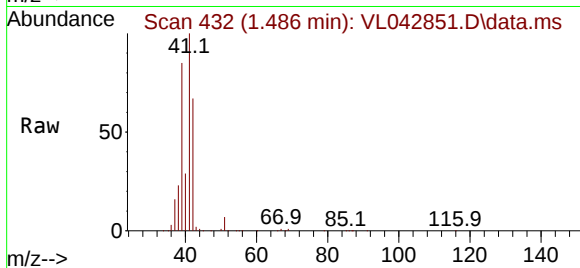
ClientSampleId :

Tgt Ion: 41 Resp: 71030

Ion Ratio Lower Upper

41 100

42 68.8 53.0 79.4



#10

Heptane

Concen: 9.118 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL042851.D

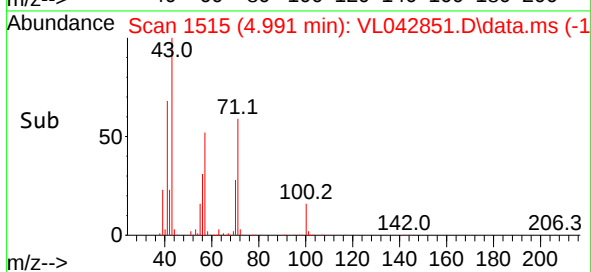
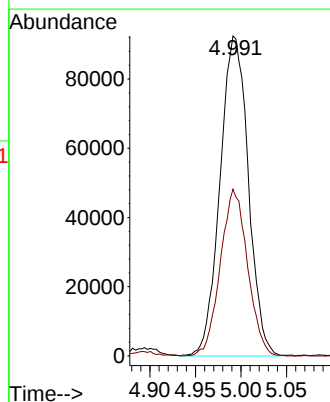
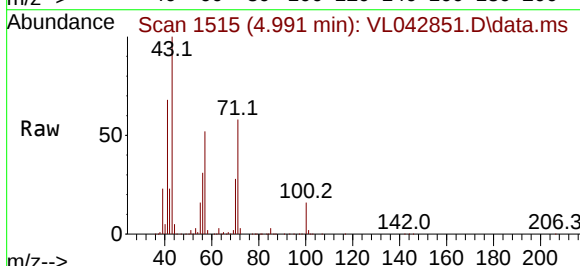
Acq: 13 Aug 2025 14:32

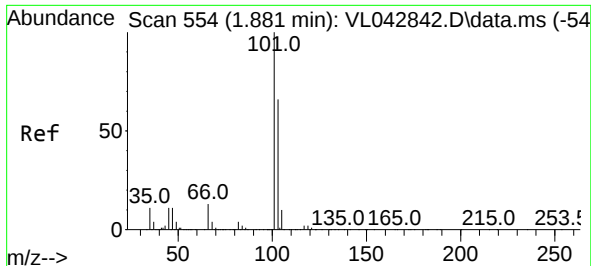
Tgt Ion: 43 Resp: 199706

Ion Ratio Lower Upper

43 100

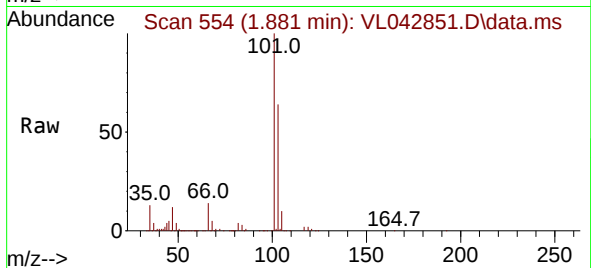
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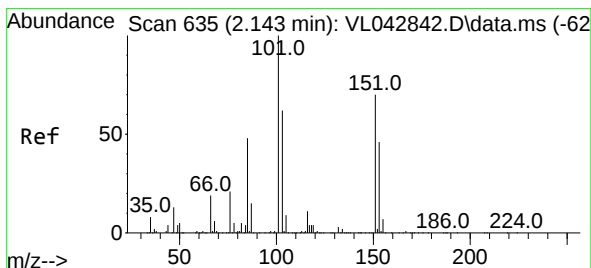
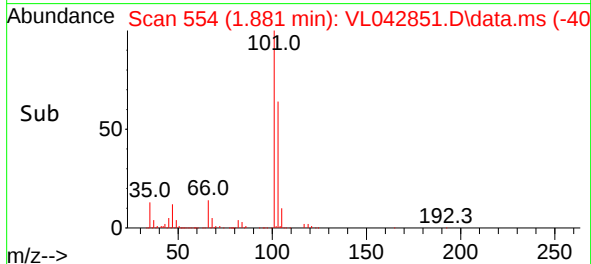
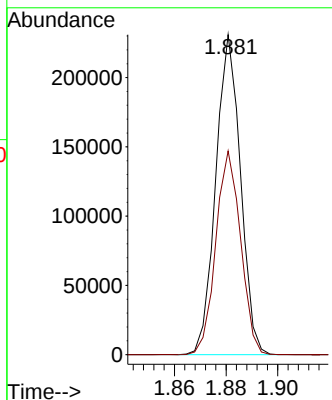


#11
 Trichlorofluoromethane
 Concen: 9.084 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Instrument :
 MSVOA_L
 ClientSampleId :

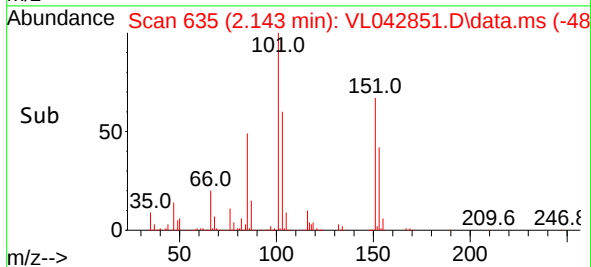
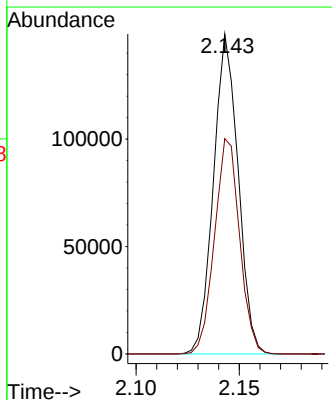
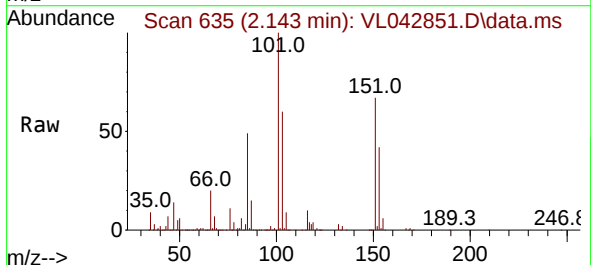


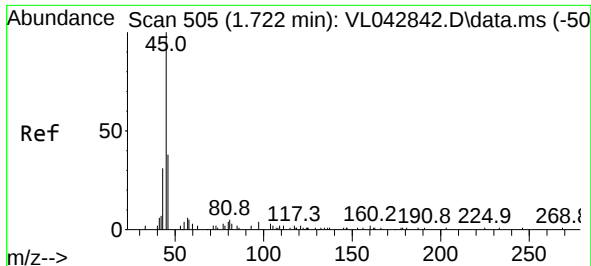
Tgt Ion:101 Resp: 153519
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.198 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Tgt Ion:101 Resp: 123905
 Ion Ratio Lower Upper
 101 100
 151 68.3 56.4 84.6

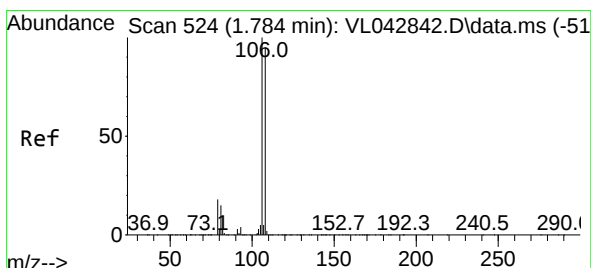
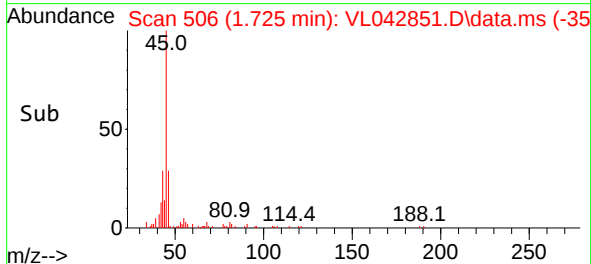
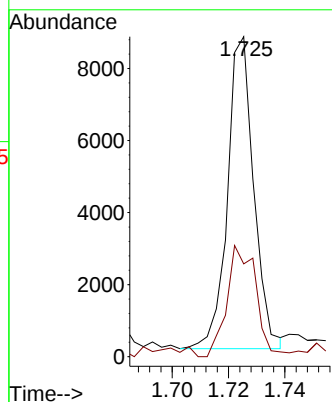
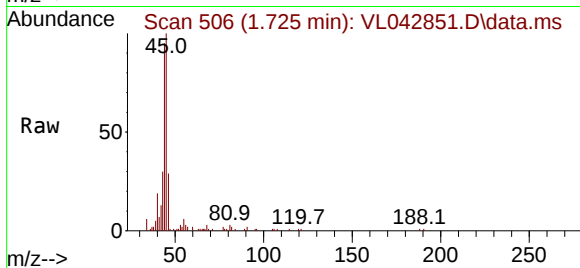




#13
Ethanol
Concen: 7.501 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

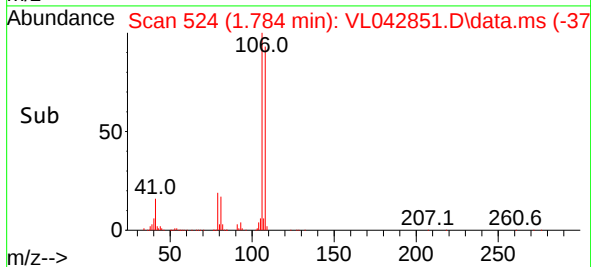
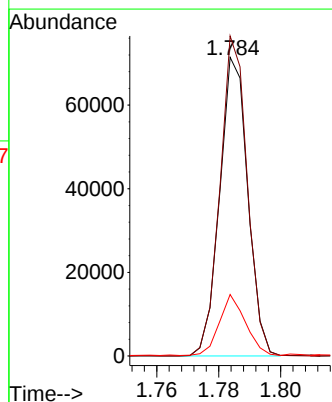
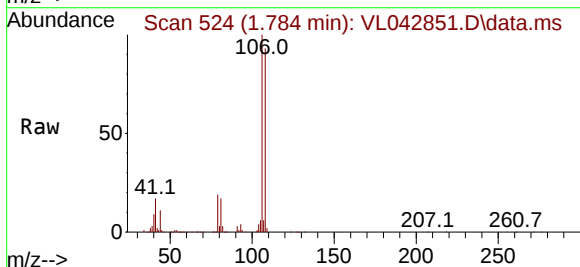
Instrument :
MSVOA_L
ClientSampleId :

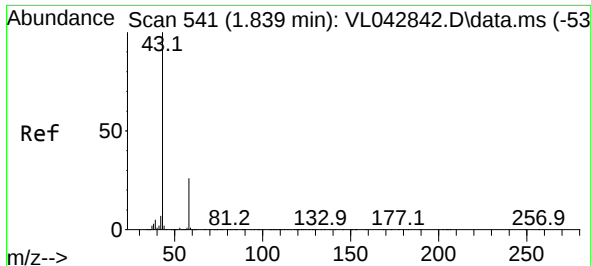
Tgt Ion: 45 Resp: 5608
Ion Ratio Lower Upper
45 100
46 43.8 17.5 69.9



#14
Bromoethene
Concen: 9.244 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 108 Resp: 45076
Ion Ratio Lower Upper
108 100
106 104.0 85.1 127.7
79 19.6 16.3 24.5

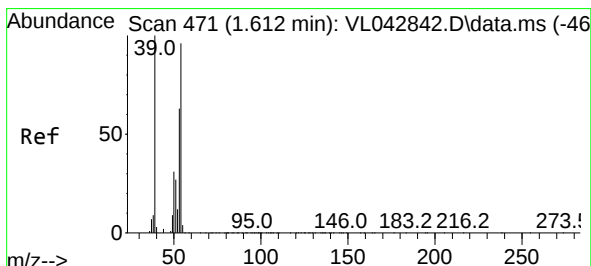
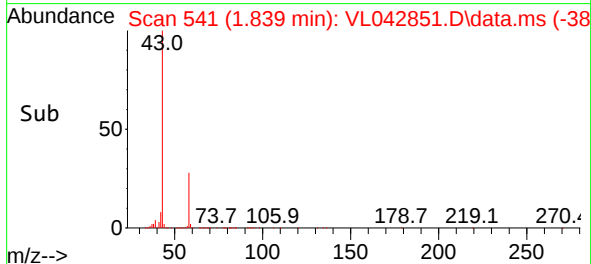
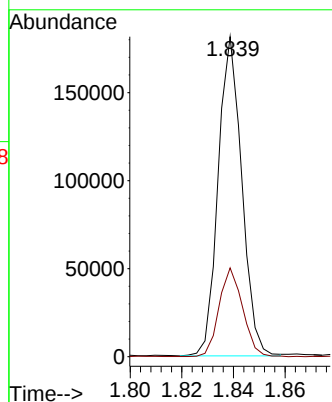
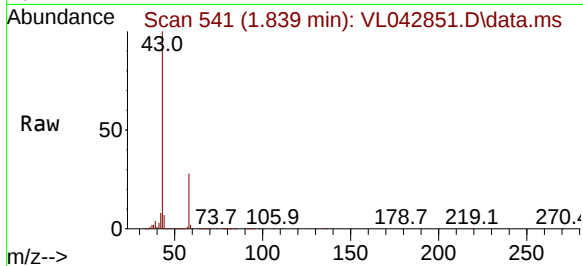




#15
Acetone
Concen: 7.448 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

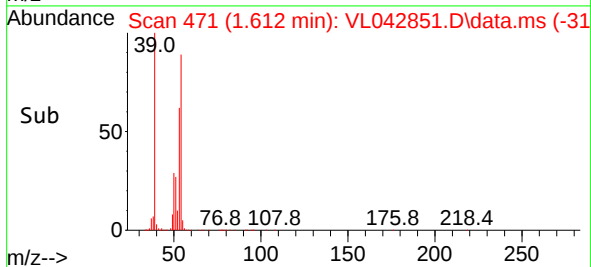
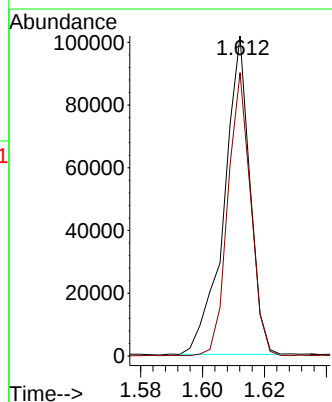
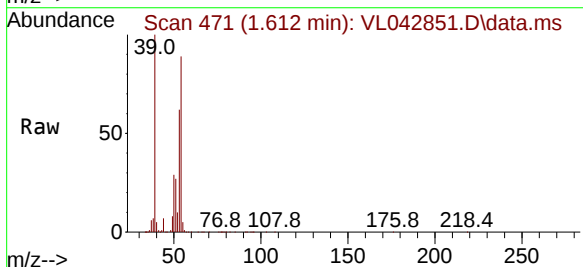
Instrument :
MSVOA_L
ClientSampleId :

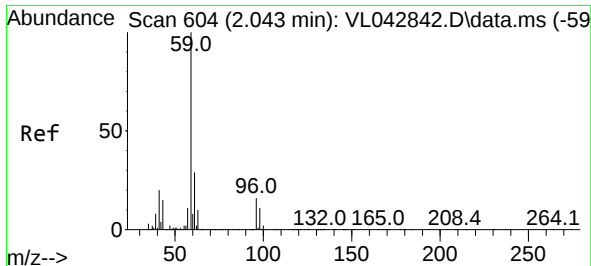
Tgt Ion: 43 Resp: 115155
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6



#16
1,3-Butadiene
Concen: 8.412 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 39 Resp: 58958
Ion Ratio Lower Upper
39 100
54 79.0 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.668 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

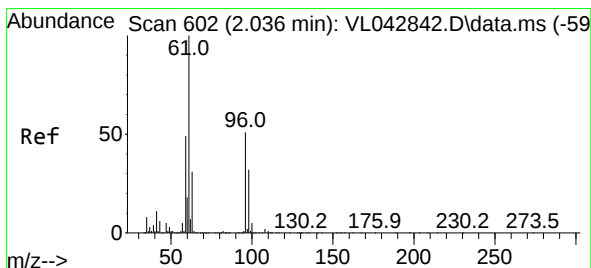
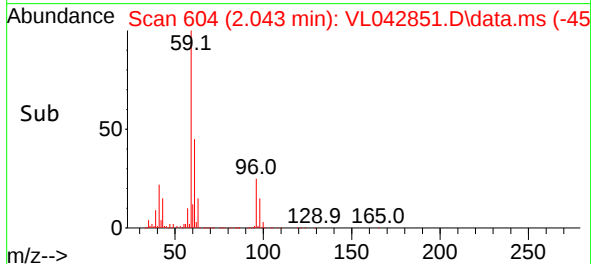
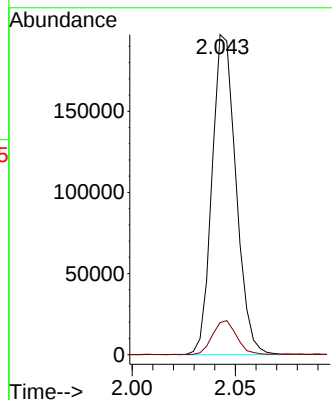
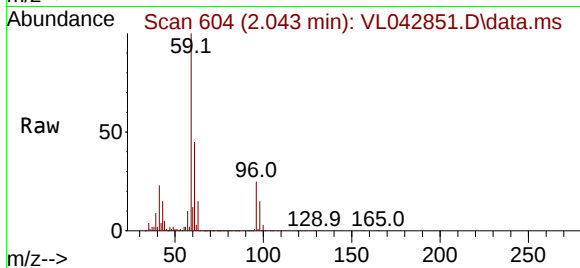
ClientSampleId :

Tgt Ion: 59 Resp: 158939

Ion Ratio Lower Upper

59 100

57 10.9 9.0 13.4



#18

1,1-Dichloroethene

Concen: 9.371 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

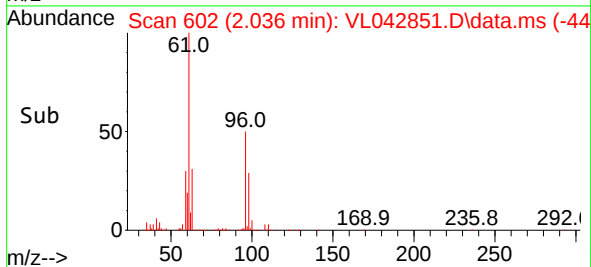
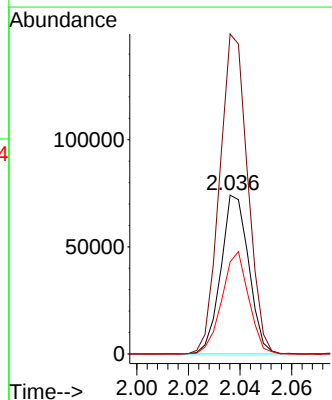
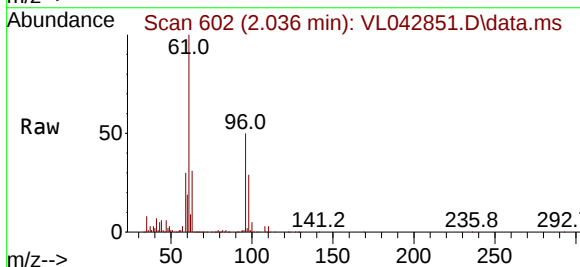
Tgt Ion: 96 Resp: 55494

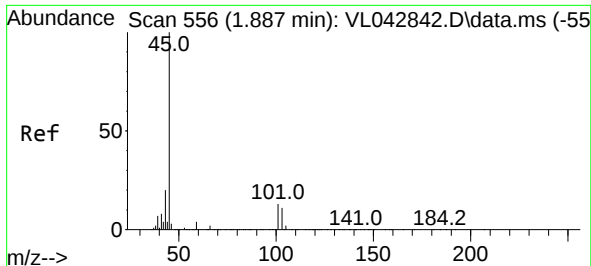
Ion Ratio Lower Upper

96 100

61 201.4 158.2 237.4

98 58.0 50.6 76.0





#19

Isopropyl Alcohol

Concen: 8.540 ppbv

RT: 1.890 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

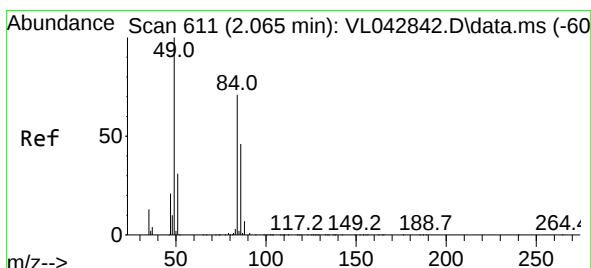
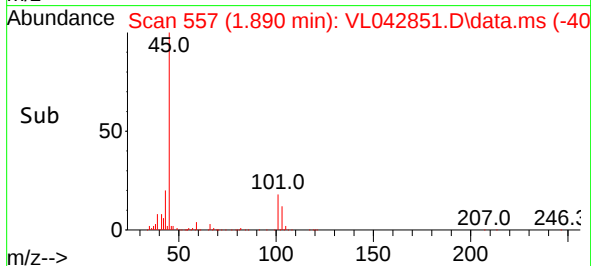
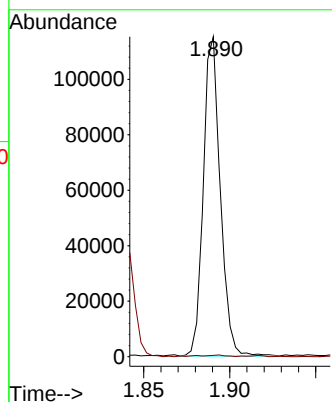
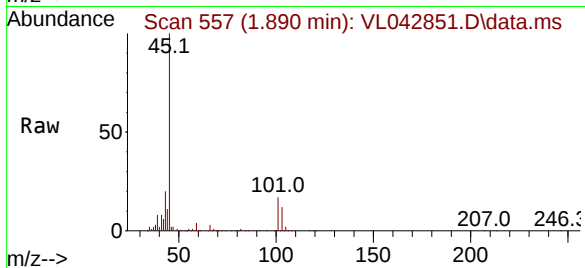
ClientSampleId :

Tgt Ion: 45 Resp: 78860

Ion Ratio Lower Upper

45 100

58 41.0 32.7 49.1



#20

Methylene Chloride

Concen: 7.439 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion: 84 Resp: 48184

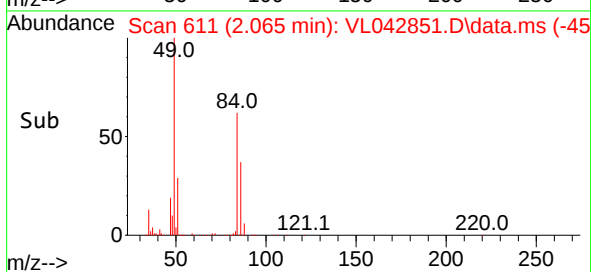
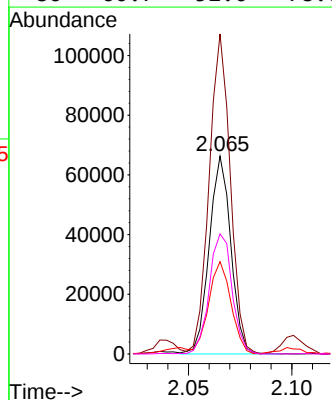
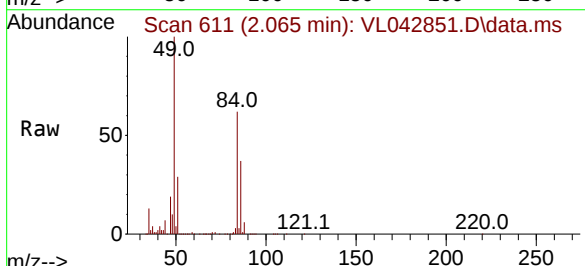
Ion Ratio Lower Upper

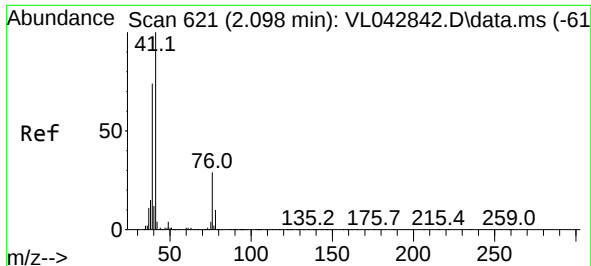
84 100

49 159.6 112.3 168.5

51 45.1 36.0 54.0

86 60.7 52.0 78.0

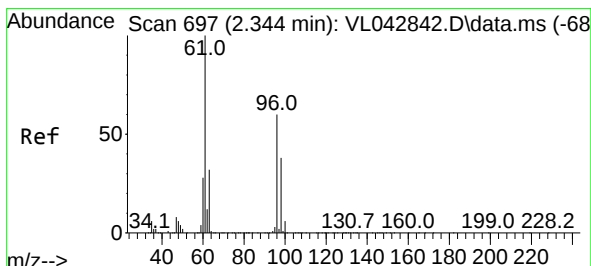
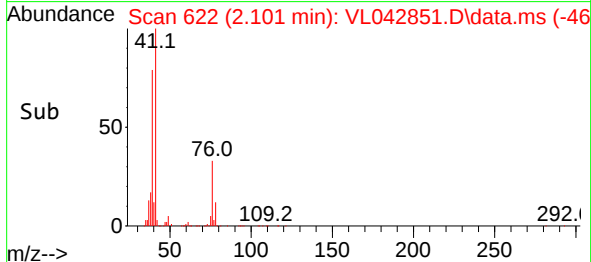
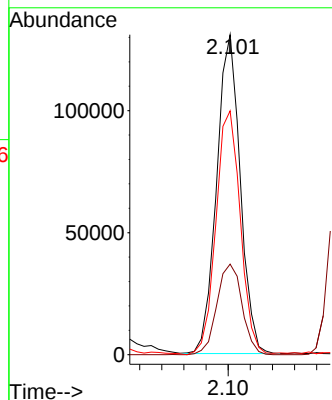
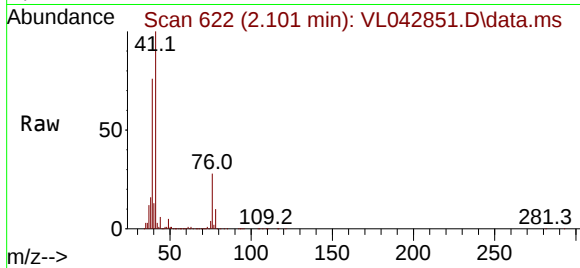




#21
 Allyl Chloride
 Concen: 8.854 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

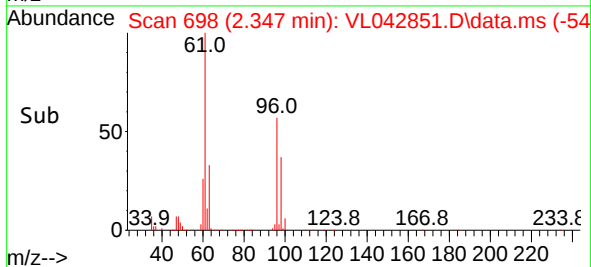
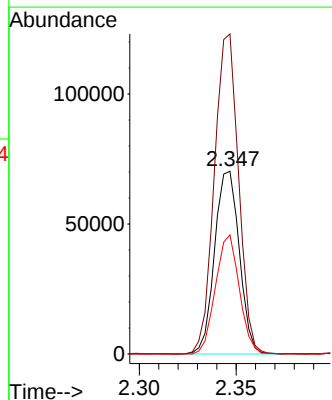
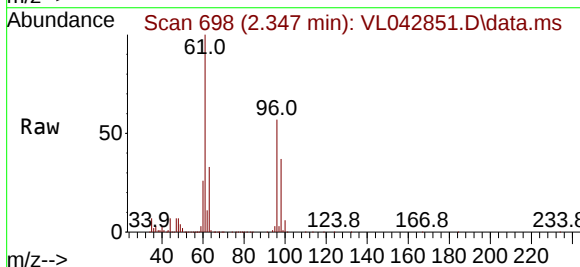
Instrument :
 MSVOA_L
 ClientSampleId :

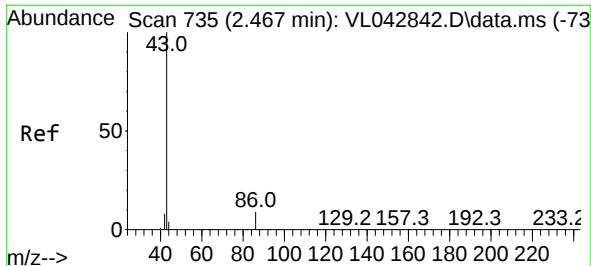
Tgt Ion: 41 Resp: 96710
 Ion Ratio Lower Upper
 41 100
 76 30.3 23.9 35.9
 39 78.0 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.117 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

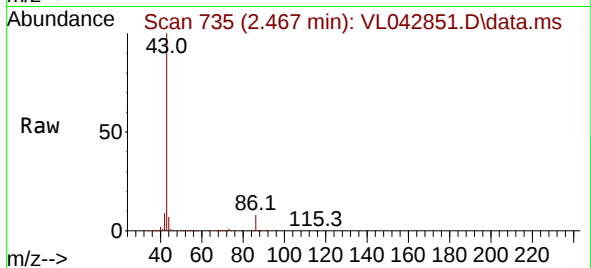
Tgt Ion: 96 Resp: 62464
 Ion Ratio Lower Upper
 96 100
 61 175.1 132.6 199.0
 98 65.1 50.0 75.0





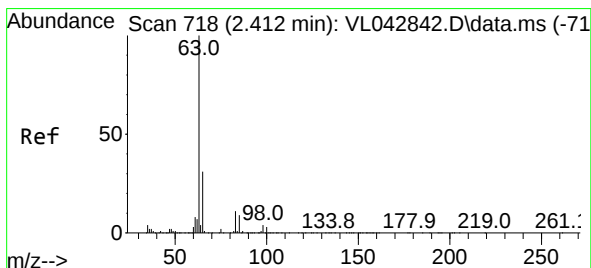
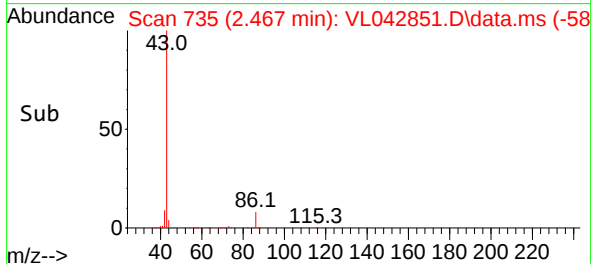
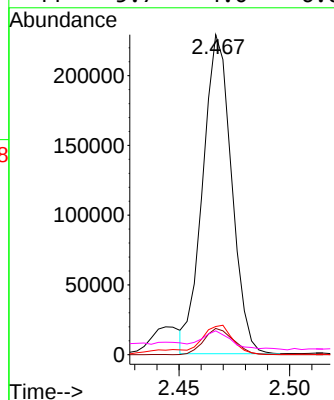
#23
 Vinyl Acetate
 Concen: 9.728 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 206801

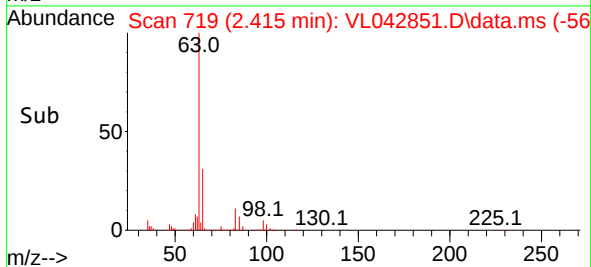
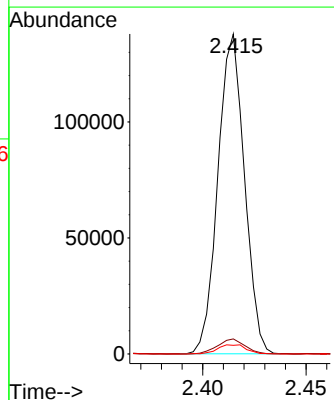
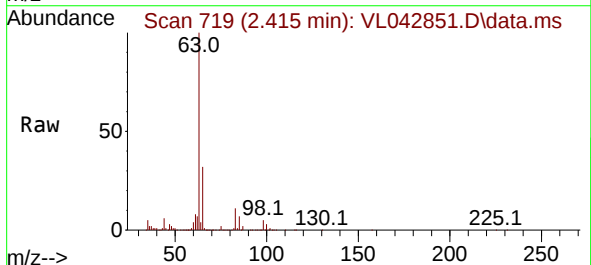
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.7	7.0	10.6
44	5.7	4.0	6.0

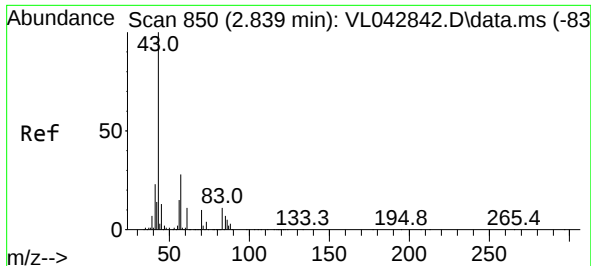


#24
 1,1-Dichloroethane
 Concen: 8.993 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Tgt Ion: 63 Resp: 123052

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.7	1.7	5.1

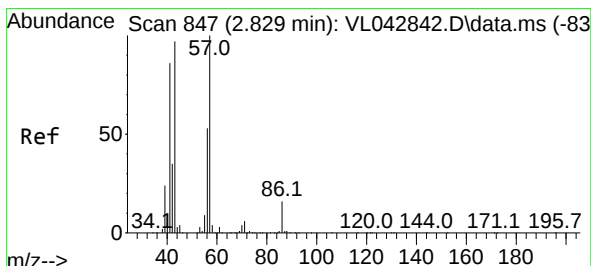
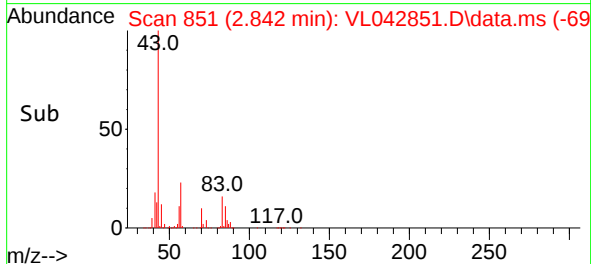
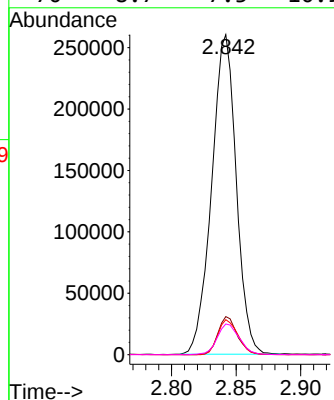
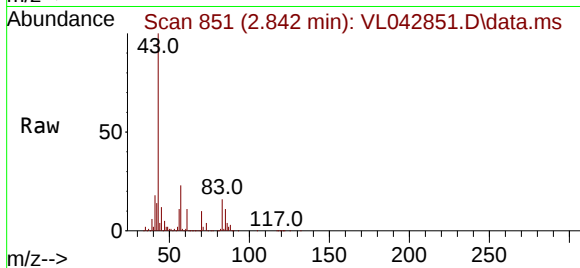




#25
Ethyl Acetate
Concen: 9.200 ppbv
RT: 2.842 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

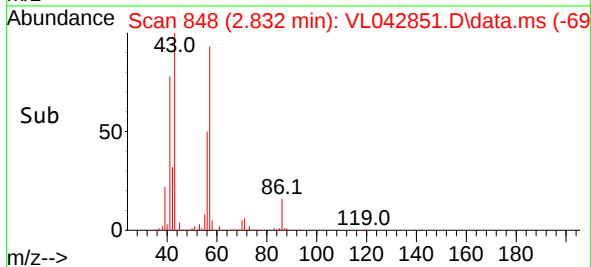
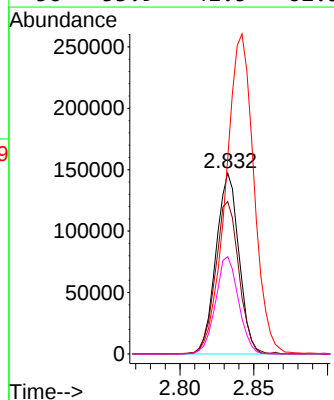
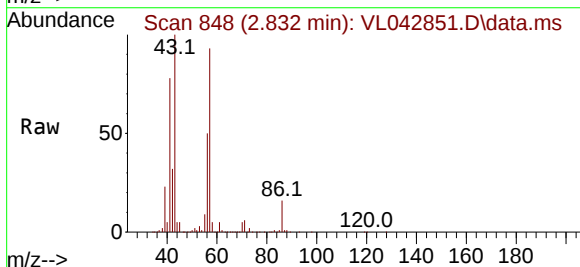
Instrument :
MSVOA_L
ClientSampleId :

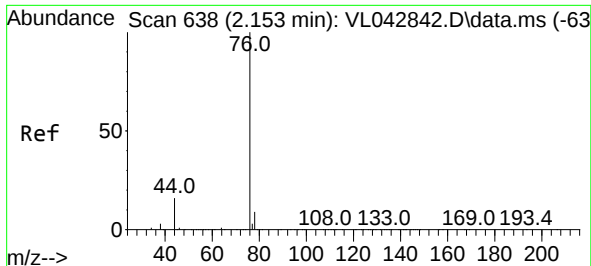
Tgt Ion:	43	Resp:	344281
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.1	12.1
61	9.1	7.4	11.2
70	8.7	7.3	10.9



#26
Hexane
Concen: 9.206 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:	57	Resp:	159005
Ion	Ratio	Lower	Upper
57	100		
41	87.1	68.6	103.0
43	217.5	168.5	252.7
56	53.9	41.5	62.3

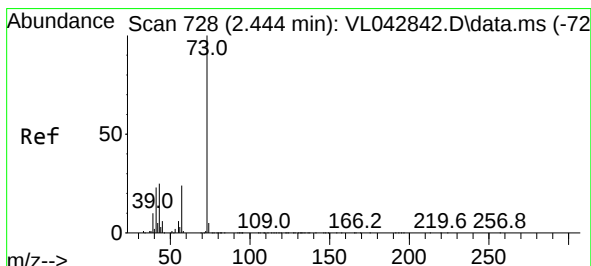
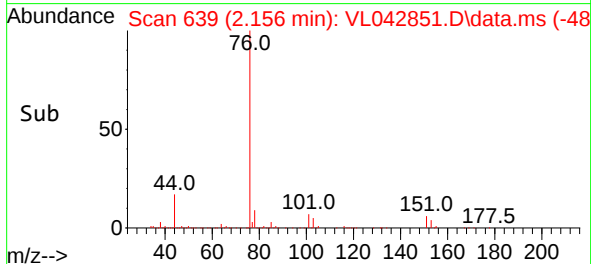
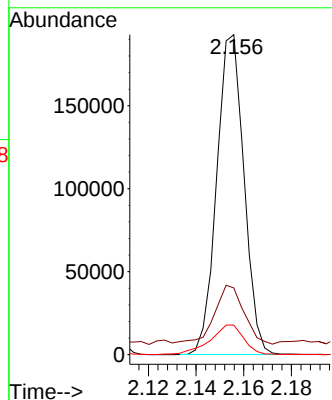
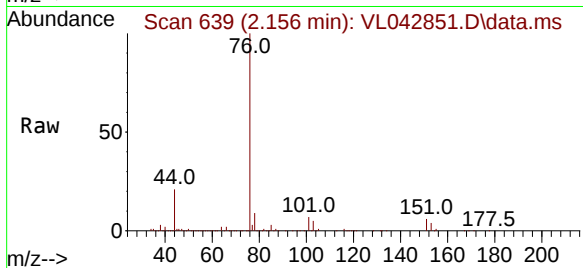




#27
Carbon Disulfide
Concen: 9.126 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

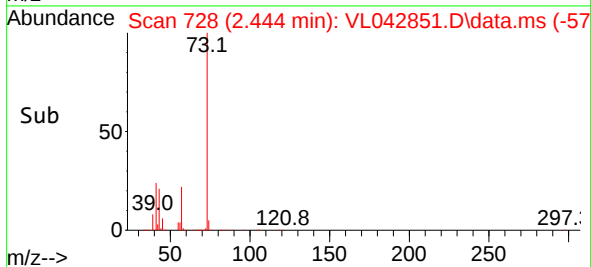
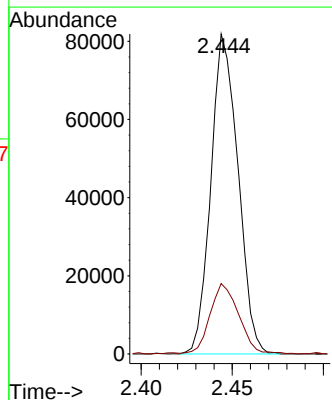
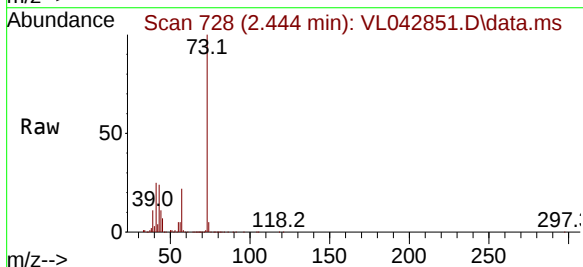
Instrument :
MSVOA_L
ClientSampleId :

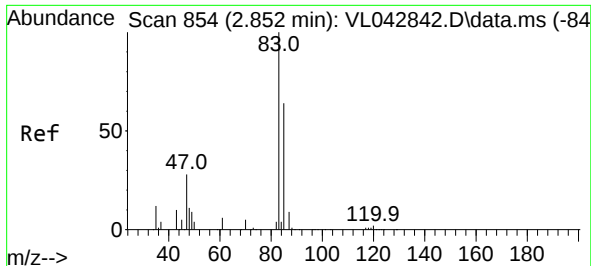
Tgt Ion: 76 Resp: 153403
Ion Ratio Lower Upper
76 100
44 26.3 15.9 23.9#
78 11.6 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 9.630 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 73 Resp: 84816
Ion Ratio Lower Upper
73 100
57 23.2 21.6 32.4





#29

Chloroform

Concen: 9.492 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

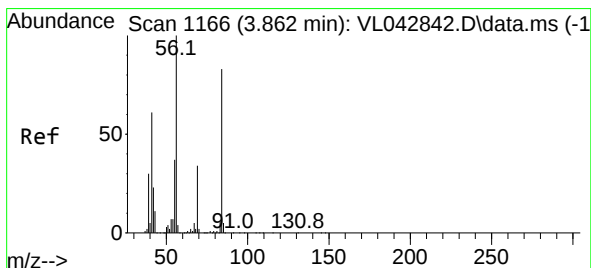
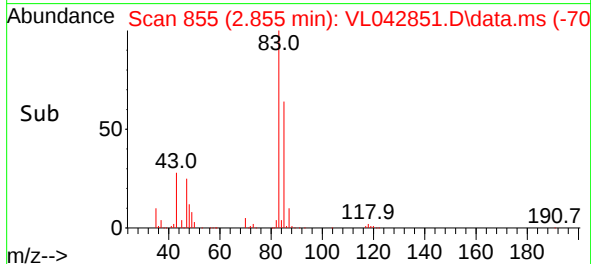
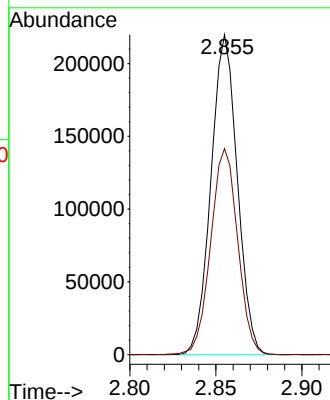
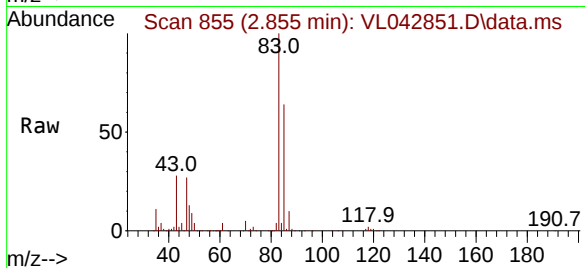
ClientSampleId :

Tgt Ion: 83 Resp: 234067

Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7



#30

Cyclohexane

Concen: 9.270 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

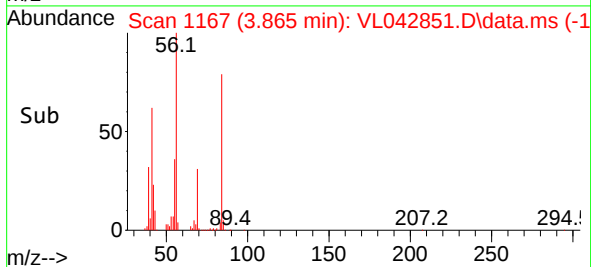
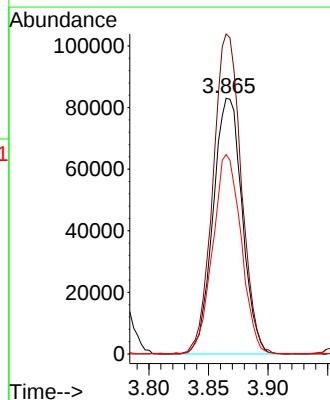
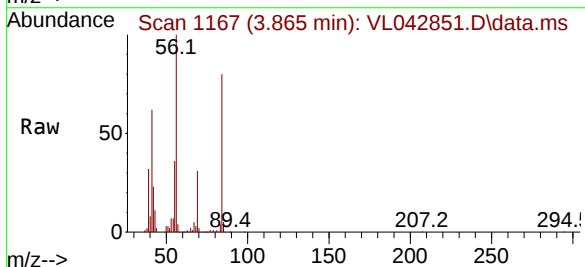
Tgt Ion: 84 Resp: 140375

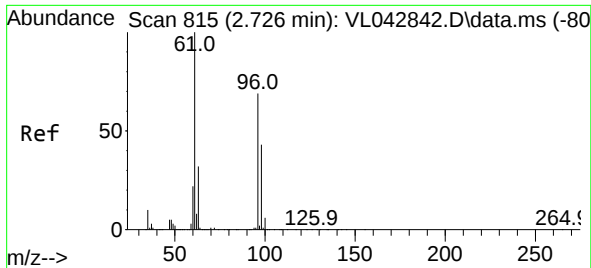
Ion Ratio Lower Upper

84 100

56 122.1 98.8 148.2

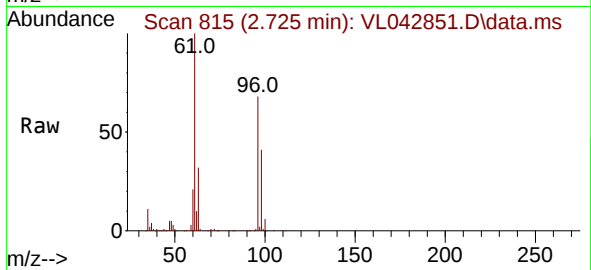
41 76.3 61.3 91.9



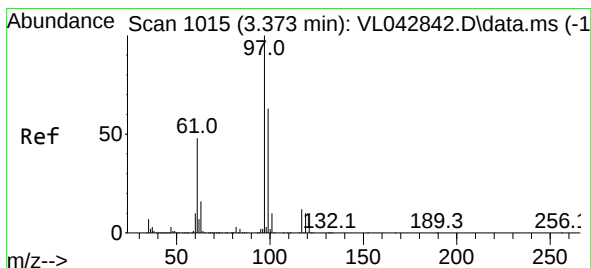
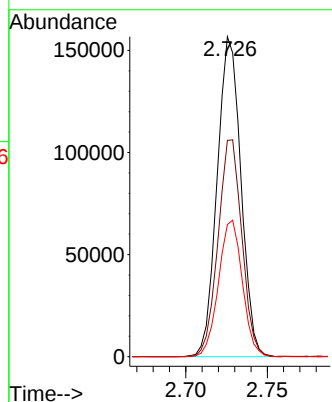
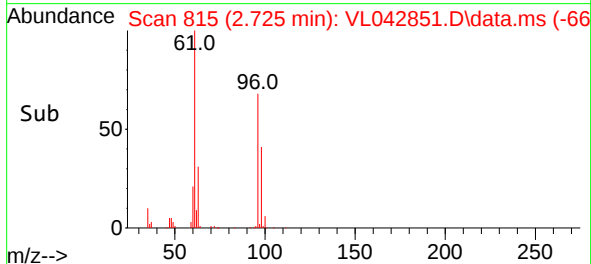


#31
 cis-1,2-Dichloroethene
 Concen: 9.199 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

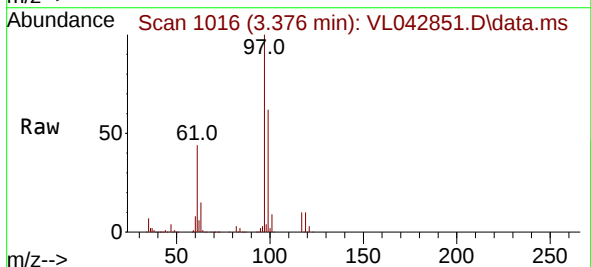
Instrument :
 MSVOA_L
 ClientSampleId :



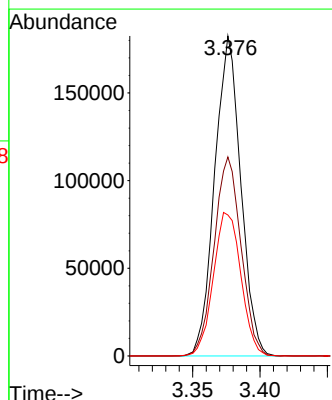
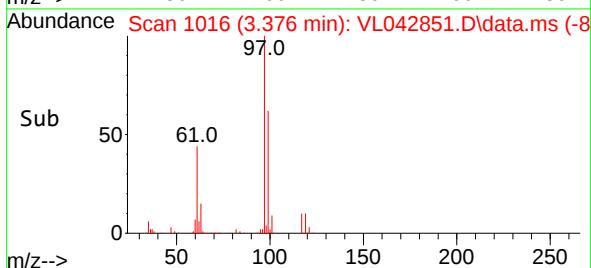
Tgt Ion: 61 Resp: 158712
 Ion Ratio Lower Upper
 61 100
 96 67.6 55.0 82.6
 98 41.3 34.3 51.5

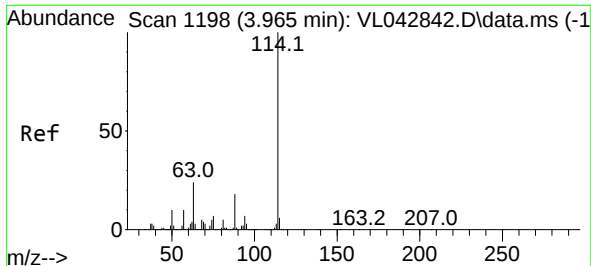


#32
 1,1,1-Trichloroethane
 Concen: 9.431 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



Tgt Ion: 97 Resp: 245800
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 47.4 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

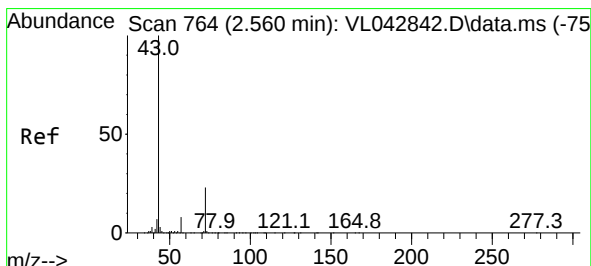
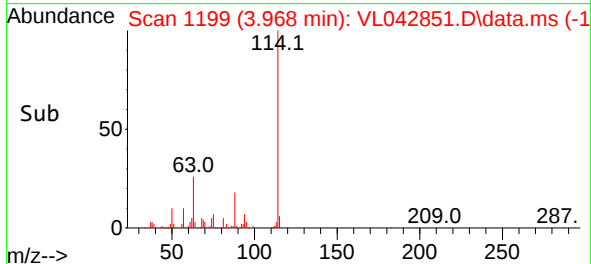
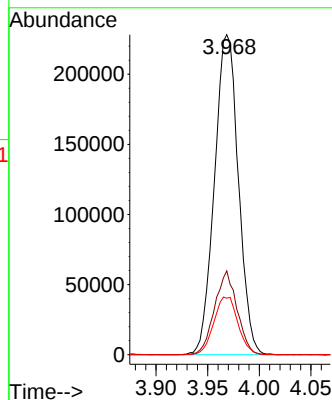
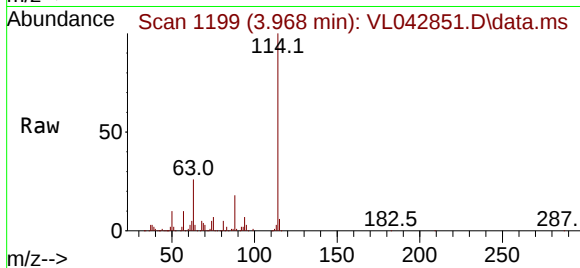
Tgt Ion:114 Resp: 368200

Ion Ratio Lower Upper

114 100

63 24.6 19.7 29.5

88 18.1 14.4 21.6



#34

2-Butanone

Concen: 9.016 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.000 min

Lab File: VL042851.D

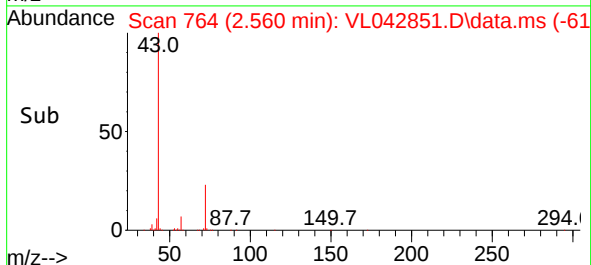
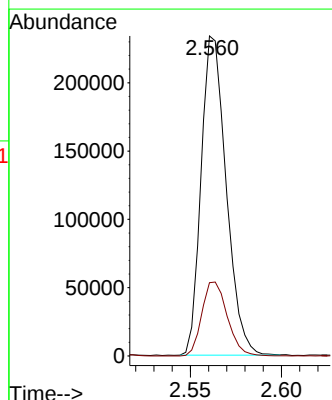
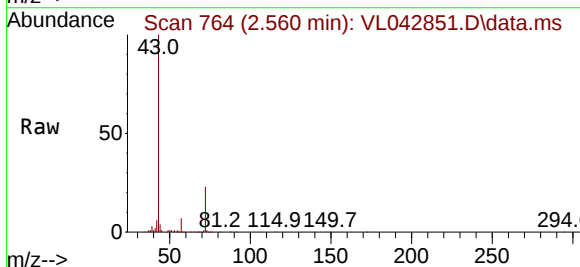
Acq: 13 Aug 2025 14:32

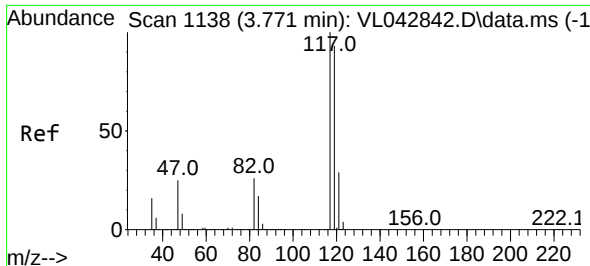
Tgt Ion: 43 Resp: 224149

Ion Ratio Lower Upper

43 100

72 23.5 18.6 28.0

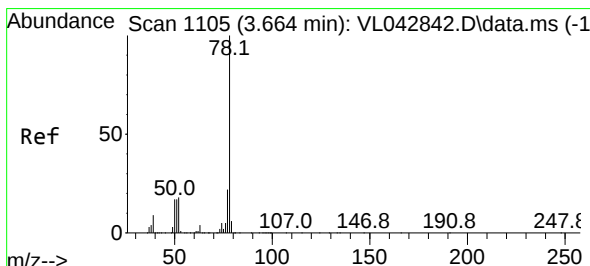
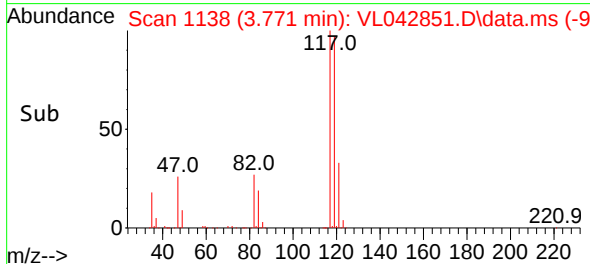
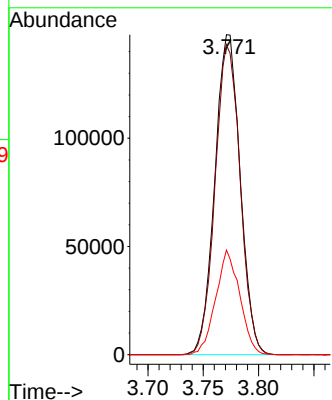
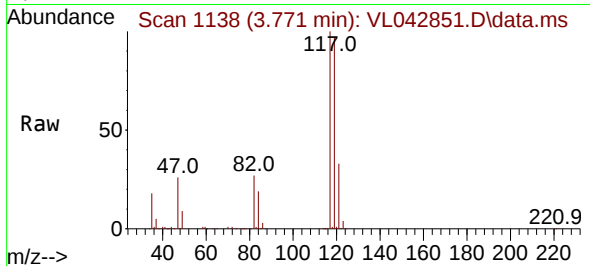




#35
Carbon Tetrachloride
Concen: 9.281 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

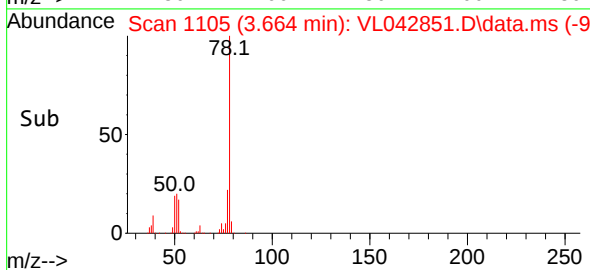
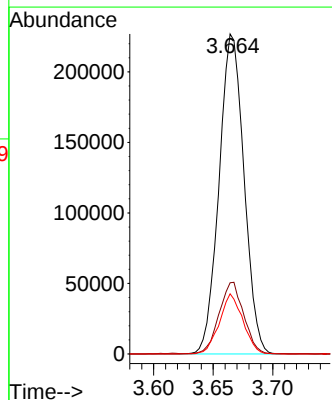
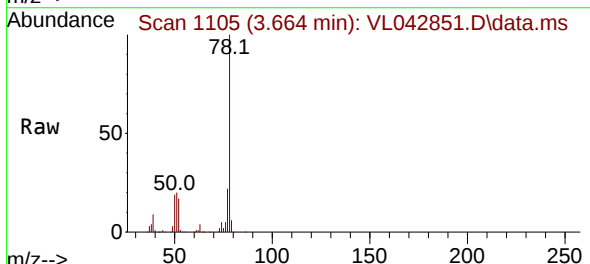
Instrument :
MSVOA_L
ClientSampleId :

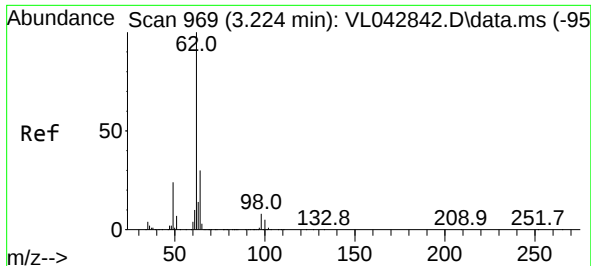
Tgt Ion:117 Resp: 235598
Ion Ratio Lower Upper
117 100
119 96.8 74.7 112.1
121 32.7 23.2 34.8



#36
Benzene
Concen: 9.360 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 78 Resp: 330026
Ion Ratio Lower Upper
78 100
77 22.2 17.7 26.5
50 18.8 13.9 20.9





#37

1,2-Dichloroethane

Concen: 9.874 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

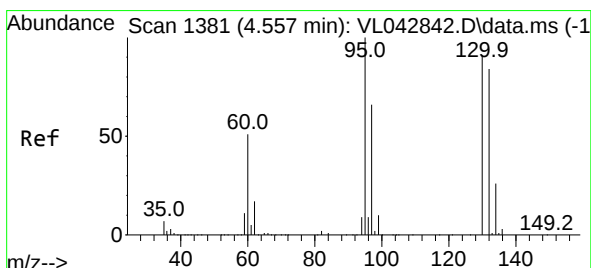
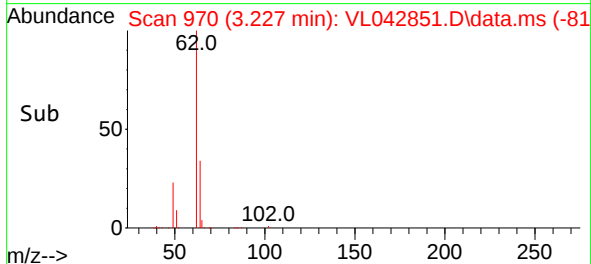
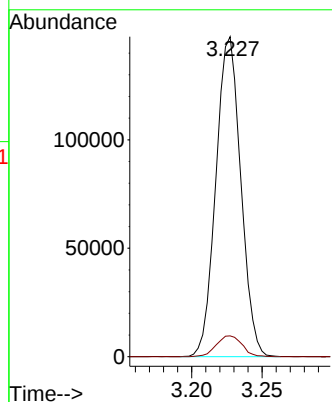
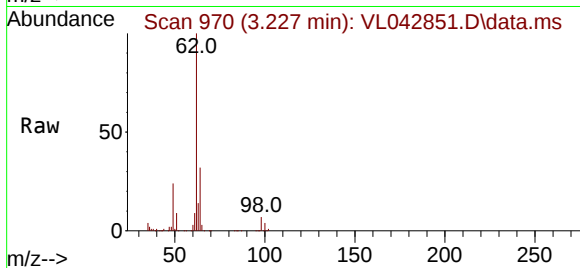
ClientSampleId :

Tgt Ion: 62 Resp: 181878

Ion Ratio Lower Upper

62 100

98 6.7 5.9 8.9



#38

Trichloroethene

Concen: 8.944 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion:130 Resp: 144018

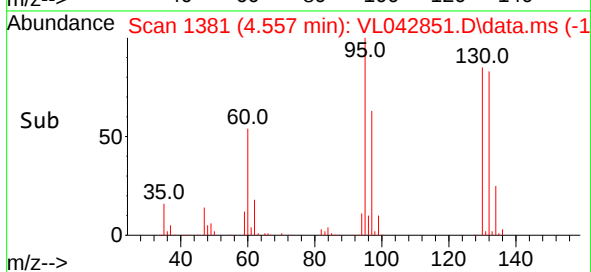
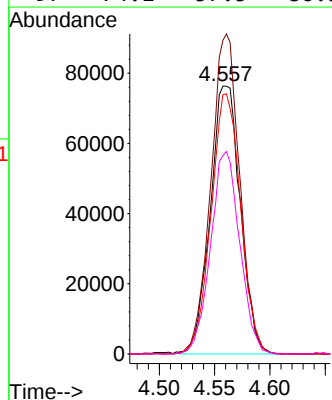
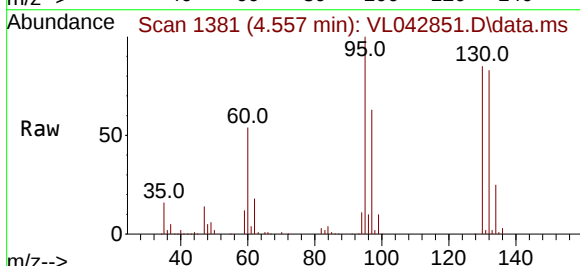
Ion Ratio Lower Upper

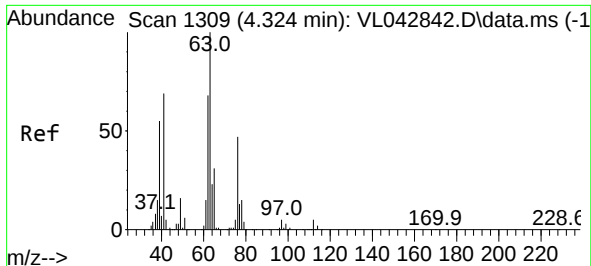
130 100

95 117.1 87.6 131.4

132 96.6 73.8 110.8

97 74.1 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.275 ppbv

RT: 4.324 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

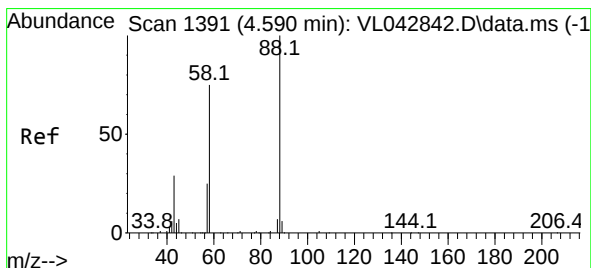
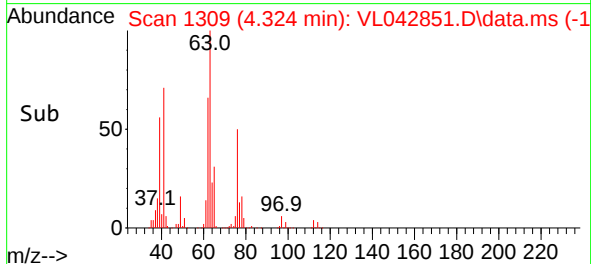
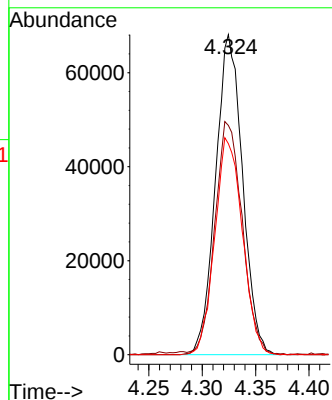
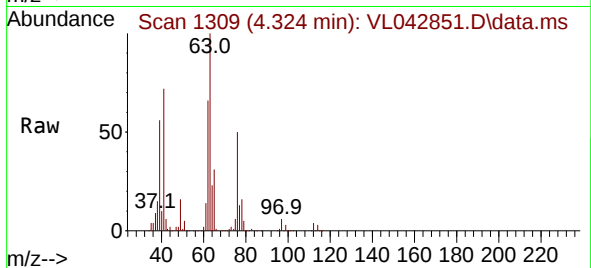
Tgt Ion: 63 Resp: 119442

Ion Ratio Lower Upper

63 100

41 71.4 55.0 82.4

62 66.0 54.4 81.6



#40

1,4-Dioxane

Concen: 8.683 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion: 88 Resp: 53171

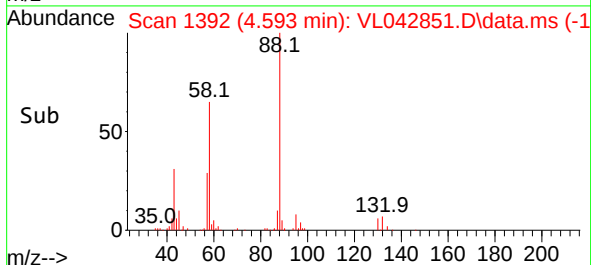
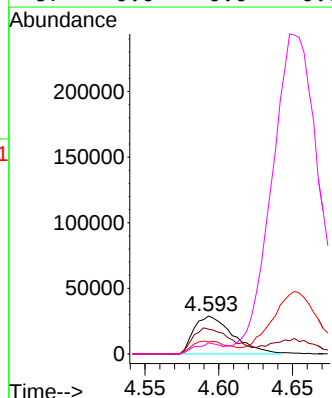
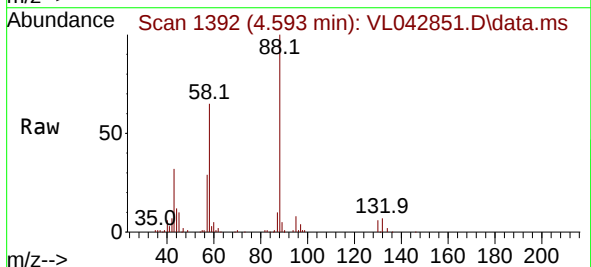
Ion Ratio Lower Upper

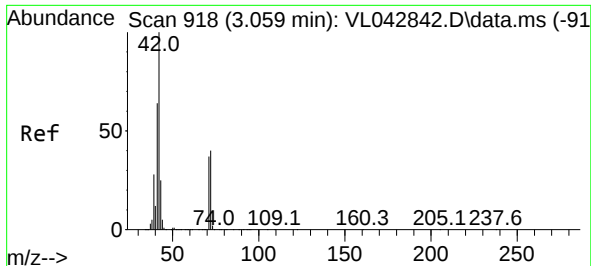
88 100

58 71.1 53.8 80.6

43 36.3 22.8 34.2#

57 0.0 0.0 0.0

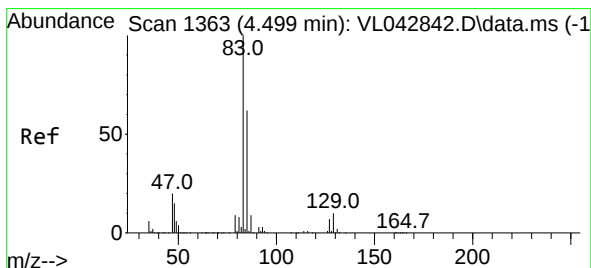
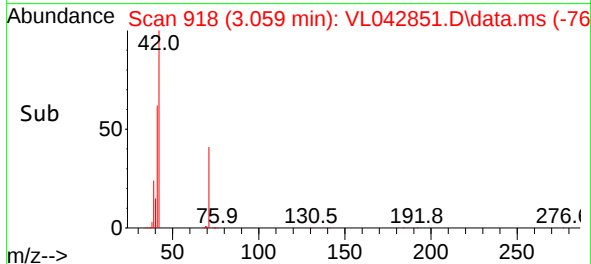
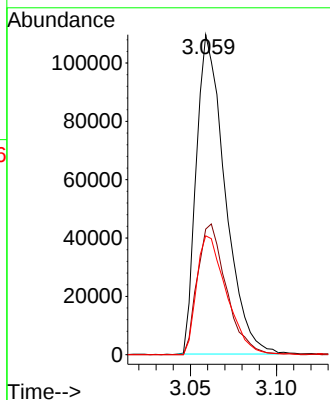
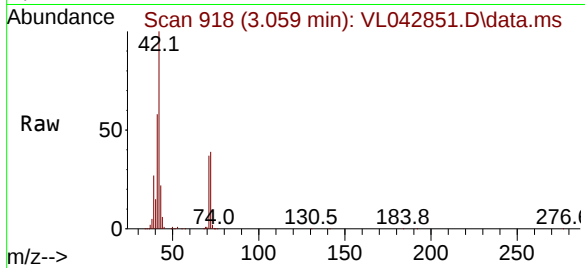




#41
Tetrahydrofuran
Concen: 9.204 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

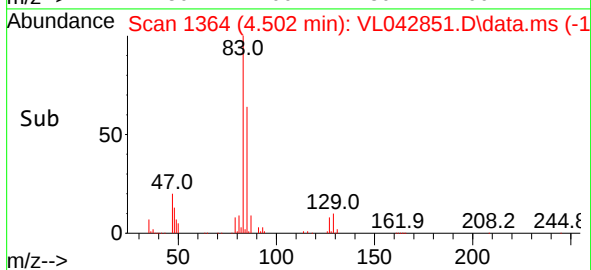
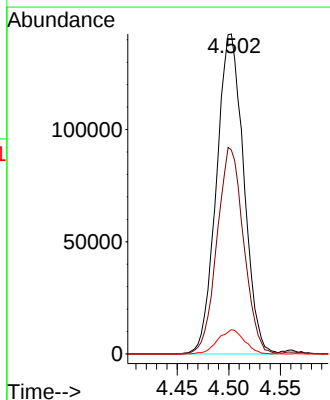
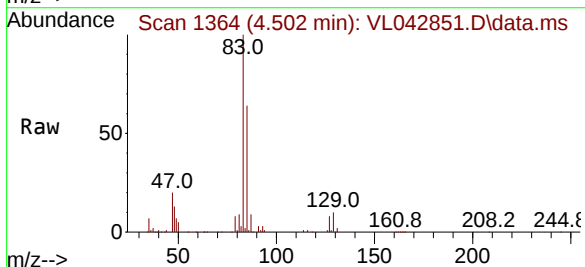
Instrument :
MSVOA_L
ClientSampleId :

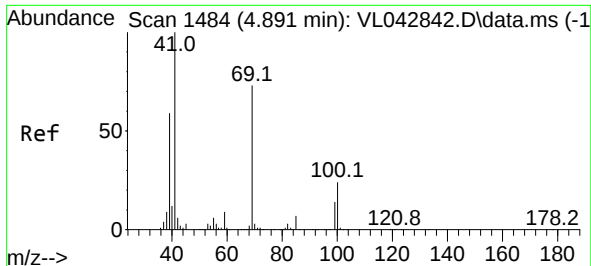
Tgt Ion: 42 Resp: 127578
Ion Ratio Lower Upper
42 100
72 41.2 32.6 48.8
71 38.9 30.0 45.0



#42
Bromodichloromethane
Concen: 9.522 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 83 Resp: 261380
Ion Ratio Lower Upper
83 100
85 63.8 49.8 74.8
127 7.6 5.8 8.6





#43

Methyl Methacrylate

Concen: 9.042 ppbv

RT: 4.894 min Scan# 1485

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

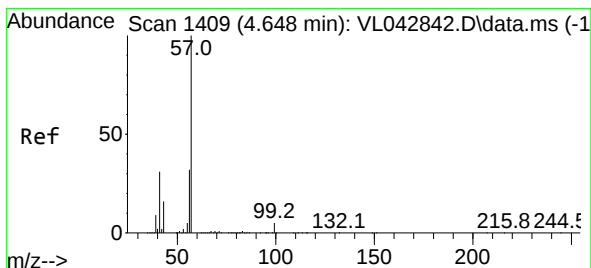
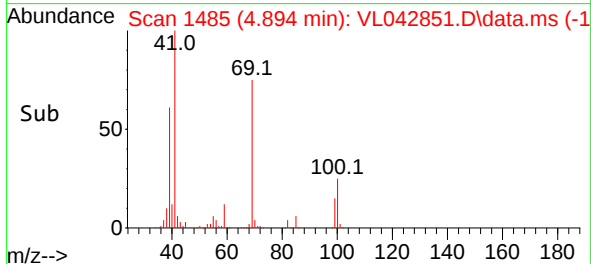
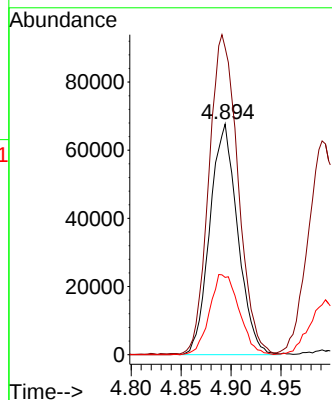
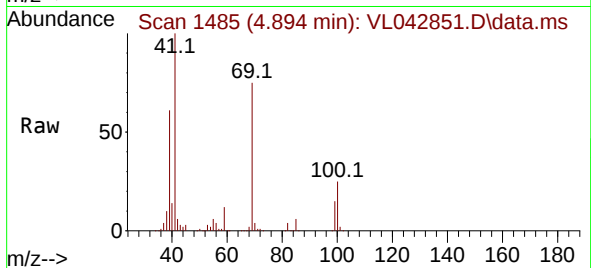
Tgt Ion: 69 Resp: 131335

Ion Ratio Lower Upper

69 100

41 145.5 114.6 172.0

100 36.8 30.2 45.4



#44

2,2,4-Trimethylpentane

Concen: 9.039 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

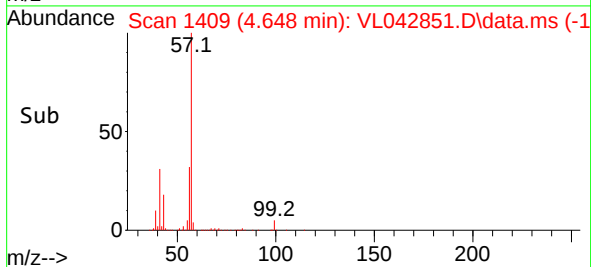
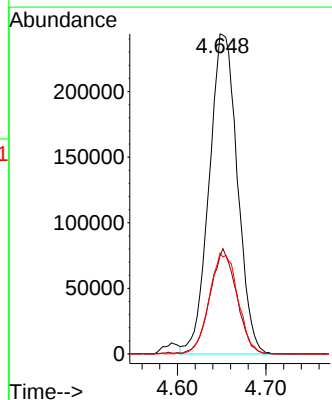
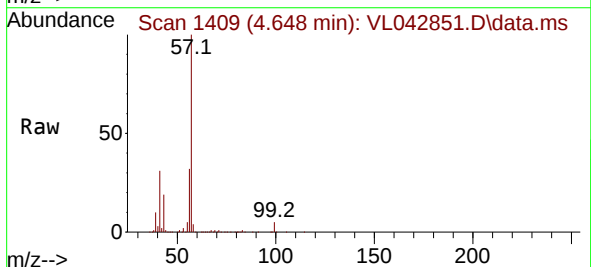
Tgt Ion: 57 Resp: 540935

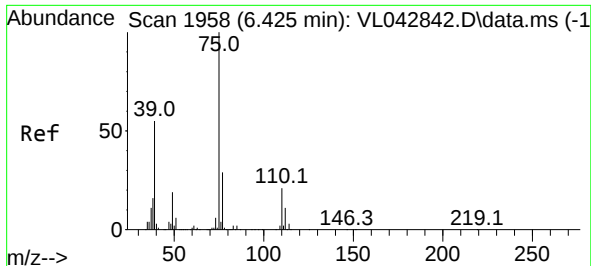
Ion Ratio Lower Upper

57 100

41 31.5 24.8 37.2

56 31.9 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 9.309 ppbv

RT: 6.431 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

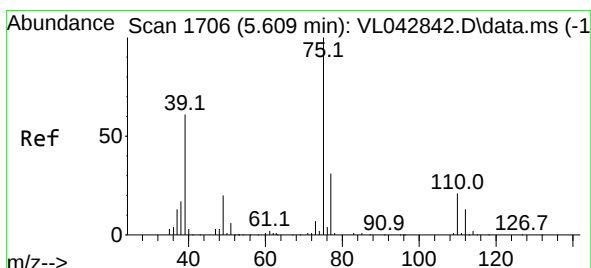
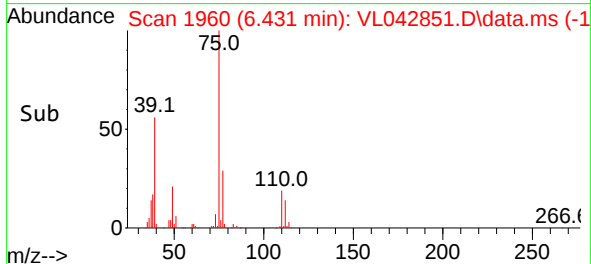
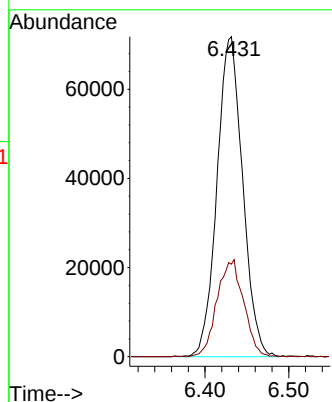
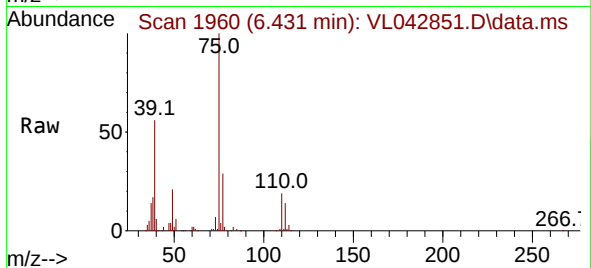
ClientSampleId :

Tgt Ion: 75 Resp: 152588

Ion Ratio Lower Upper

75 100

77 28.9 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 9.285 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

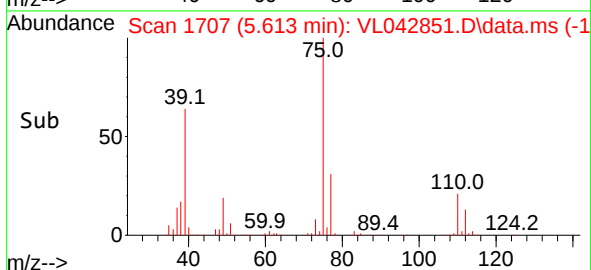
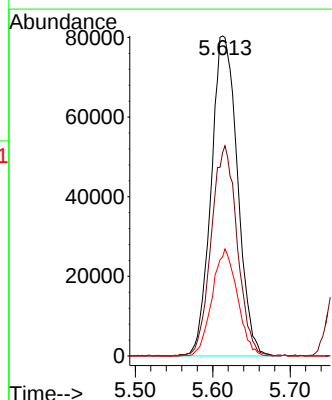
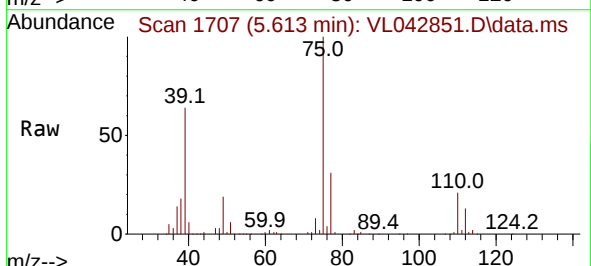
Tgt Ion: 75 Resp: 189646

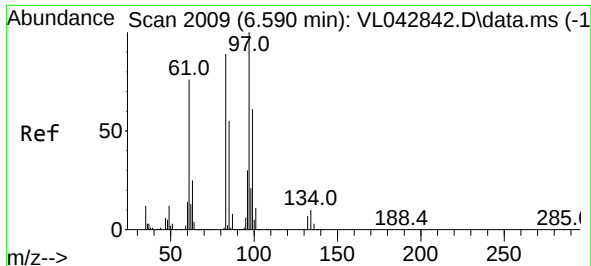
Ion Ratio Lower Upper

75 100

39 63.2 48.9 73.3

77 30.9 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 9.357 ppbv

RT: 6.597 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 127667

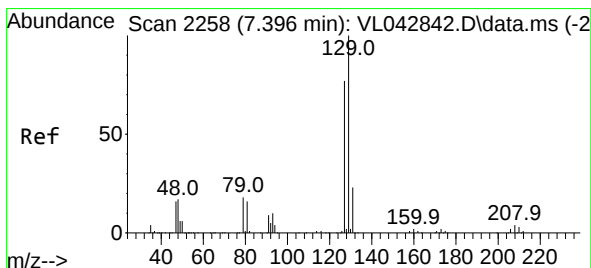
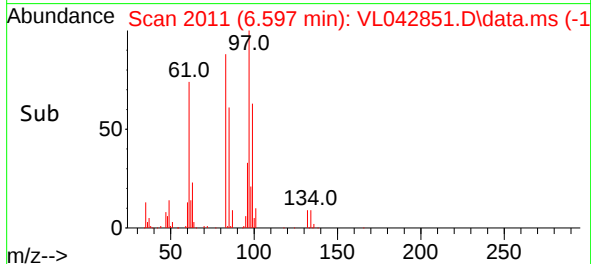
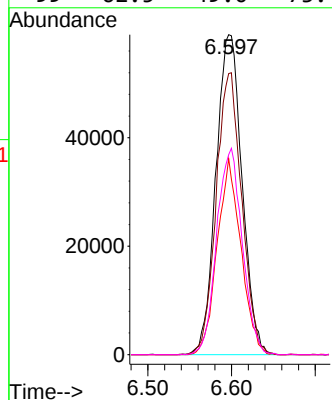
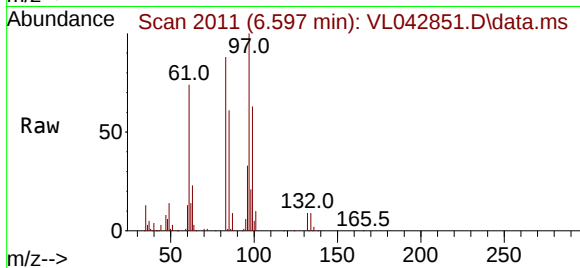
Ion Ratio Lower Upper

97 100

83 87.8 71.0 106.4

85 61.3 43.6 65.4

99 62.5 49.0 73.4



#48

Dibromochloromethane

Concen: 9.412 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. 0.006 min

Lab File: VL042851.D

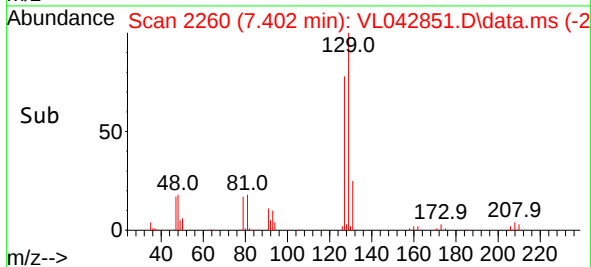
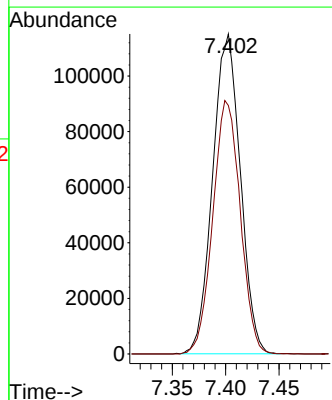
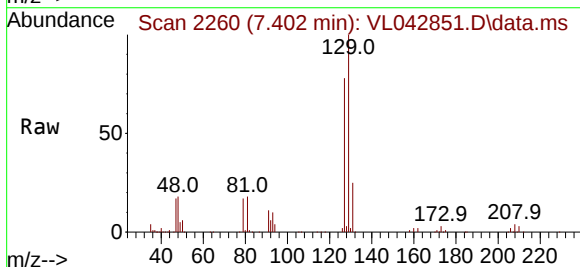
Acq: 13 Aug 2025 14:32

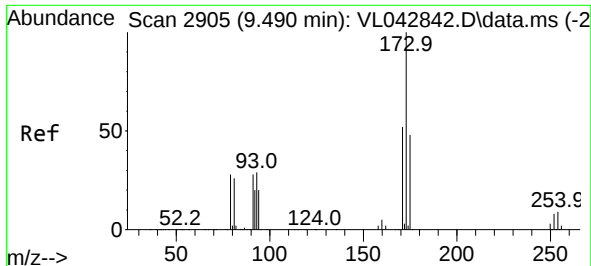
Tgt Ion: 129 Resp: 207804

Ion Ratio Lower Upper

129 100

127 78.4 39.4 118.2





#49

Bromoform

Concen: 9.228 ppbv

RT: 9.493 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VL042851.D

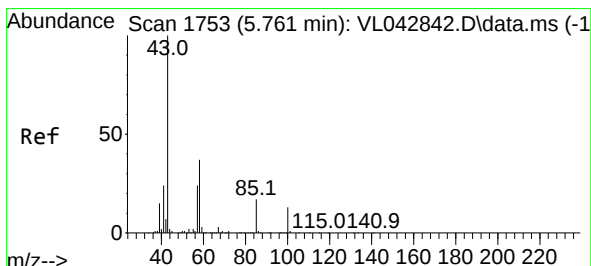
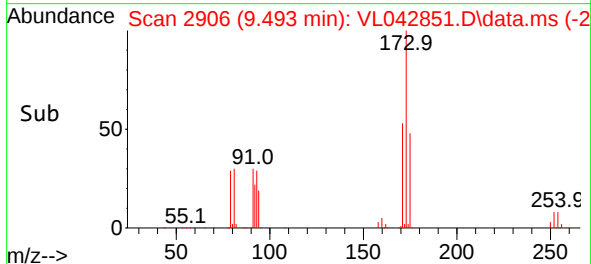
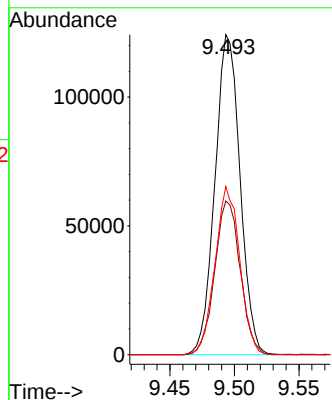
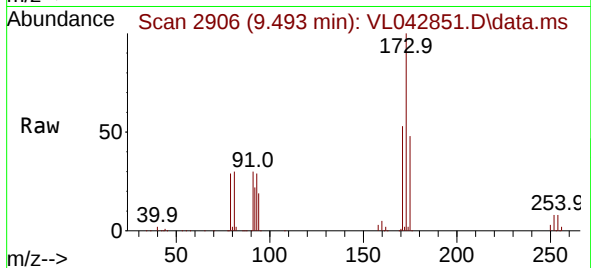
Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp: 168015
Ion Ratio	Lower Upper
173	100
175	48.7 39.2 58.8
171	51.7 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 9.286 ppbv

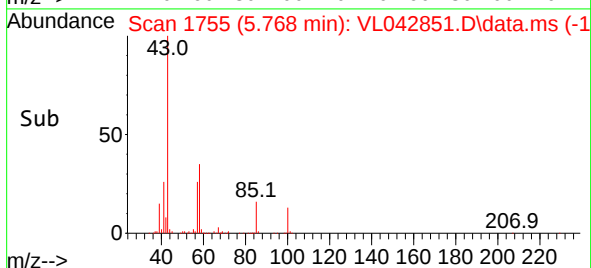
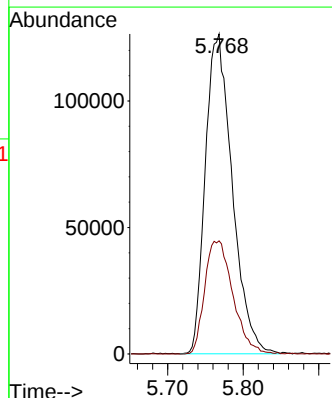
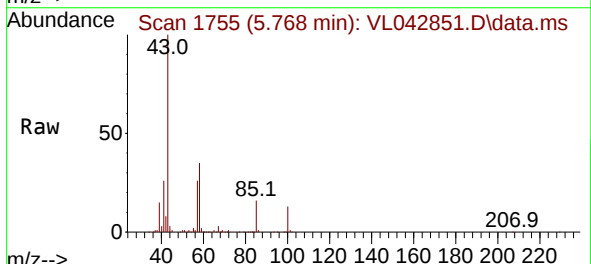
RT: 5.768 min Scan# 1755

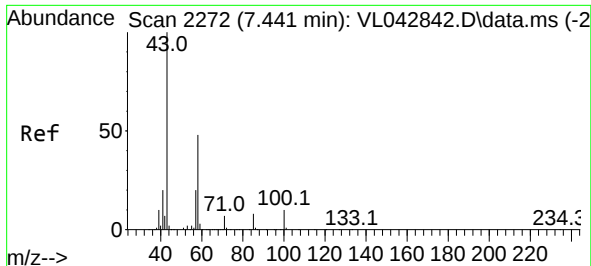
Delta R.T. 0.006 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion: 43	Resp: 312046
Ion Ratio	Lower Upper
43	100
58	37.2 29.8 44.8

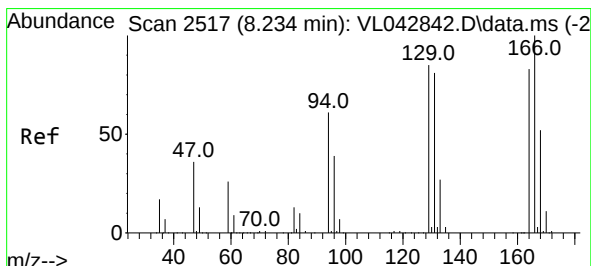
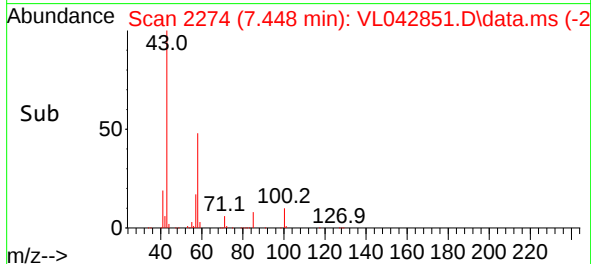
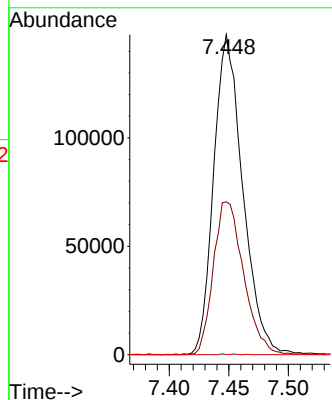
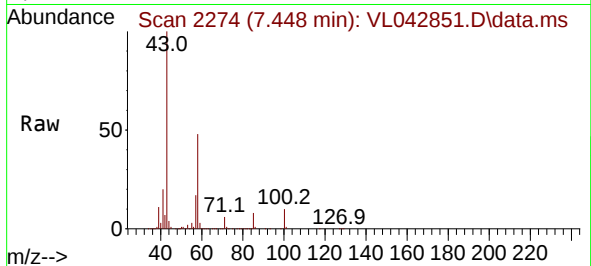




#51
2-Hexanone
Concen: 9.404 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

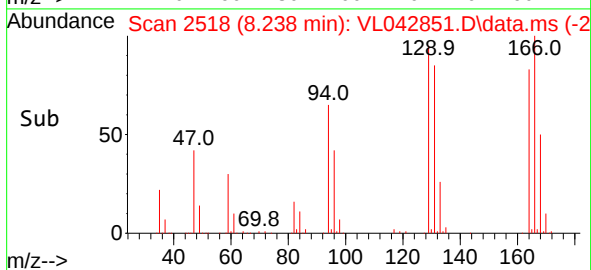
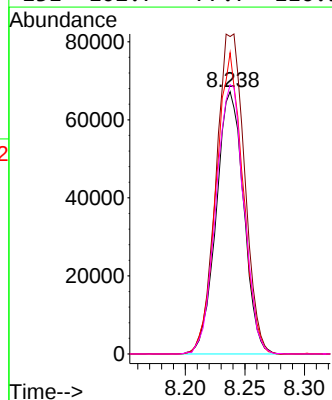
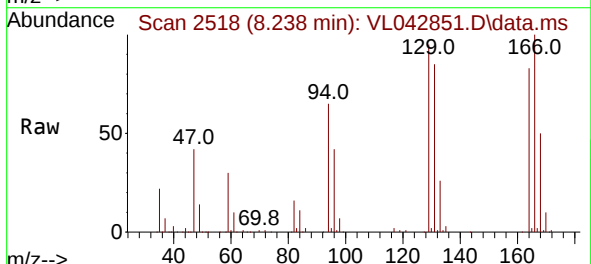
Instrument :
MSVOA_L
ClientSampleId :

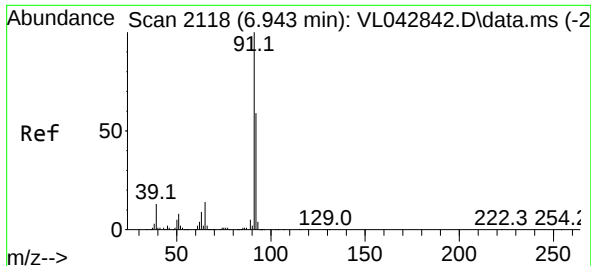
Tgt Ion: 43 Resp: 248690
Ion Ratio Lower Upper
43 100
58 50.3 41.0 61.6
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.434 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:164 Resp: 107577
Ion Ratio Lower Upper
164 100
166 121.0 96.5 144.7
129 114.9 81.8 122.6
131 102.7 77.7 116.5

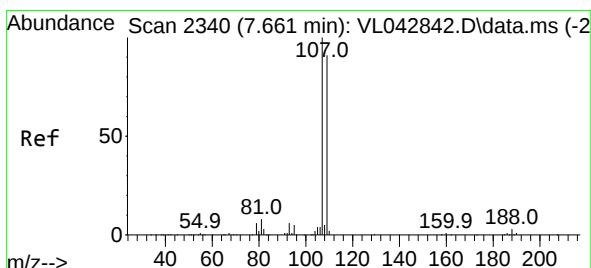
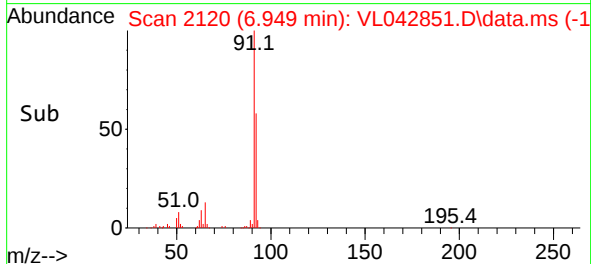
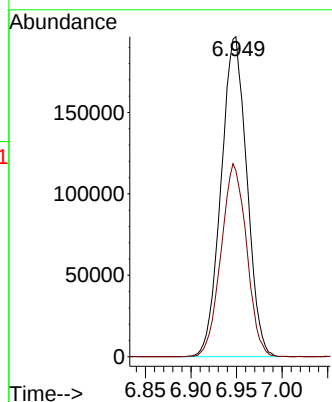
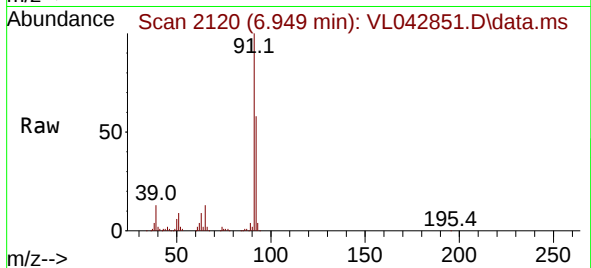




#53
Toluene
Concen: 9.216 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

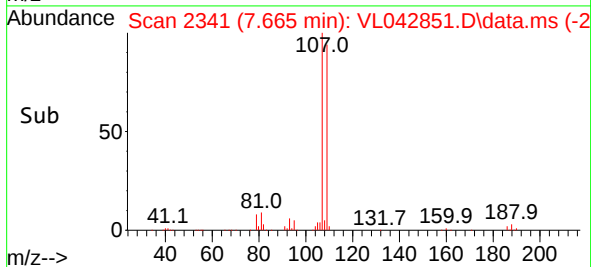
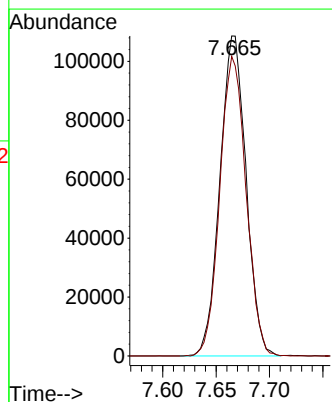
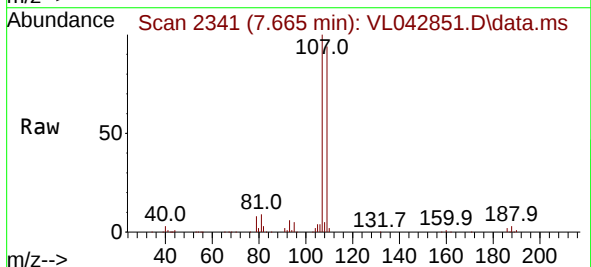
Instrument :
MSVOA_L
ClientSampleId :

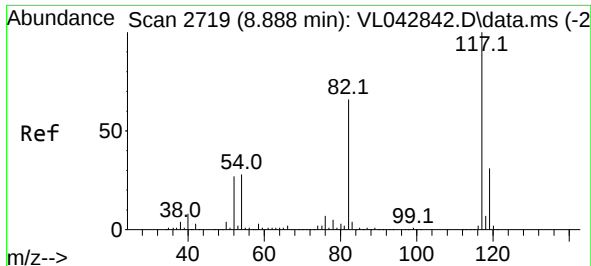
Tgt Ion: 91 Resp: 386291
Ion Ratio Lower Upper
91 100
92 59.7 47.8 71.6



#54
1,2-Dibromoethane
Concen: 9.275 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

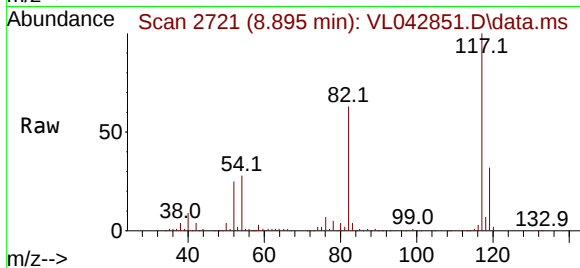
Tgt Ion: 107 Resp: 184932
Ion Ratio Lower Upper
107 100
109 93.6 72.5 108.7



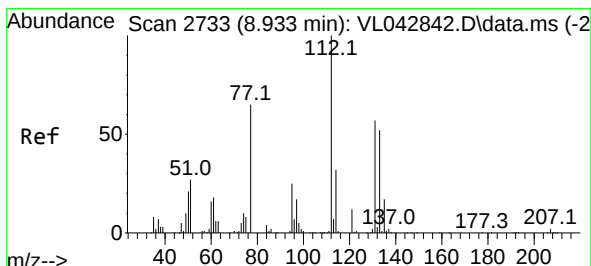
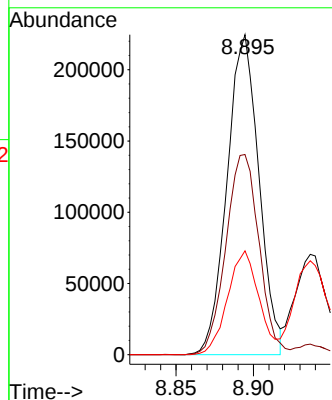
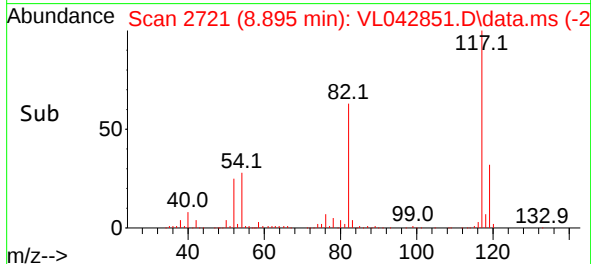


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

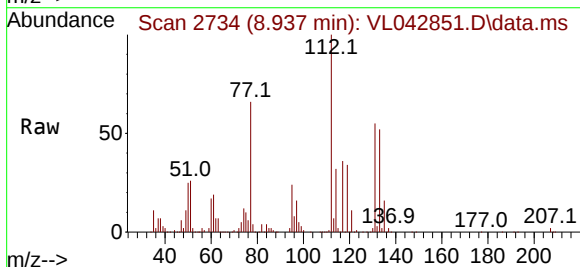
Instrument :
MSVOA_L
ClientSampleId :



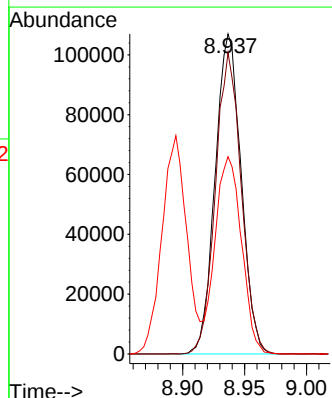
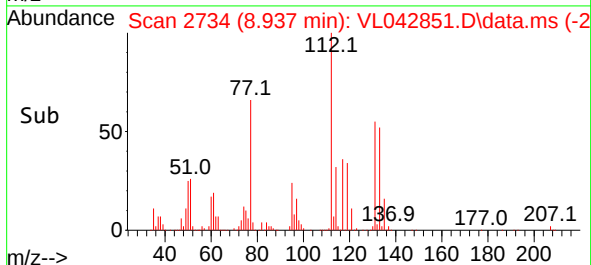
Tgt Ion:117 Resp: 322291
Ion Ratio Lower Upper
117 100
82 67.9 54.6 81.8
119 31.0 25.9 38.9

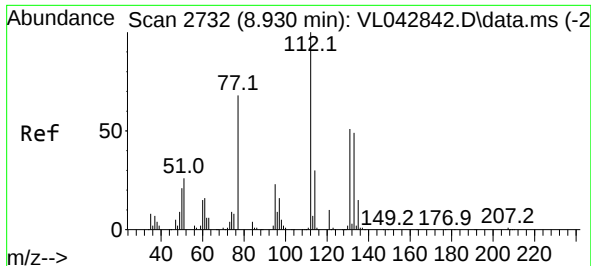


#56
1,1,1,2-Tetrachloroethane
Concen: 9.381 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



Tgt Ion:131 Resp: 156352
Ion Ratio Lower Upper
131 100
133 93.5 77.4 116.0
119 63.4 51.2 76.8

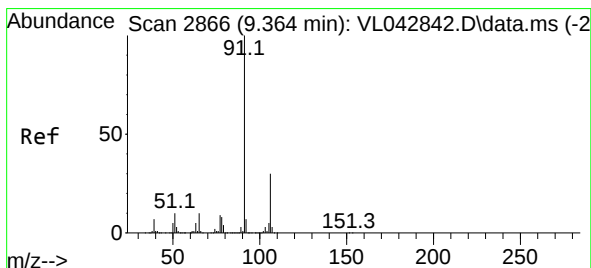
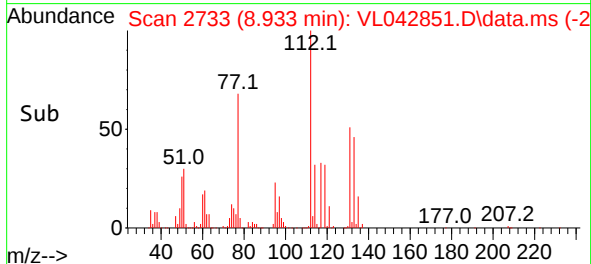
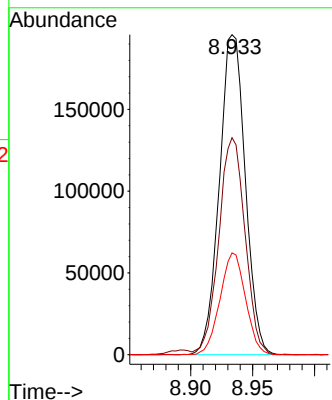
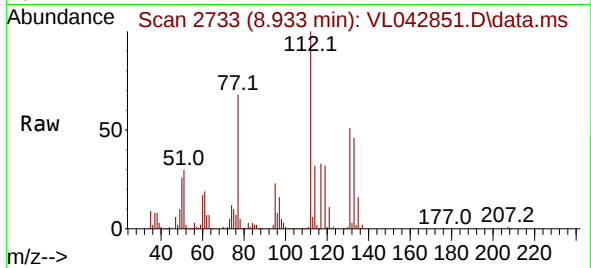




#57
Chlorobenzene
Concen: 9.326 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

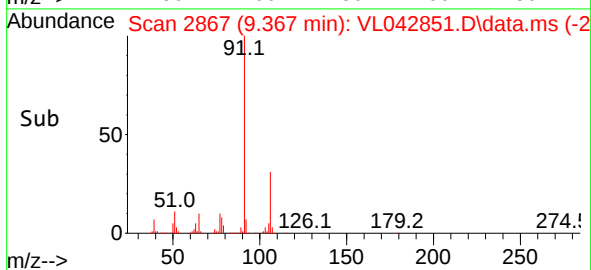
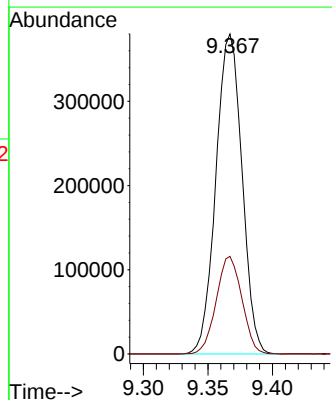
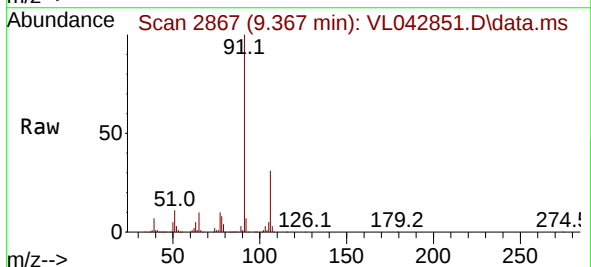
Instrument :
MSVOA_L
ClientSampleId :

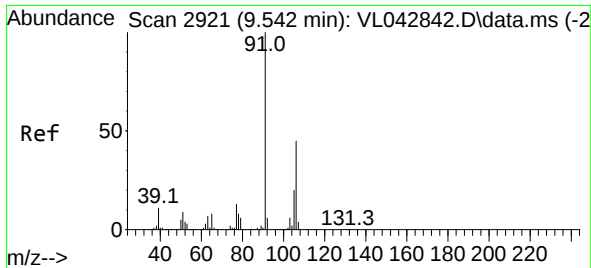
Tgt Ion:112 Resp: 285789
Ion Ratio Lower Upper
112 100
77 67.7 55.5 83.3
114 31.8 27.2 33.2



#58
Ethyl Benzene
Concen: 9.389 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 534013
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9

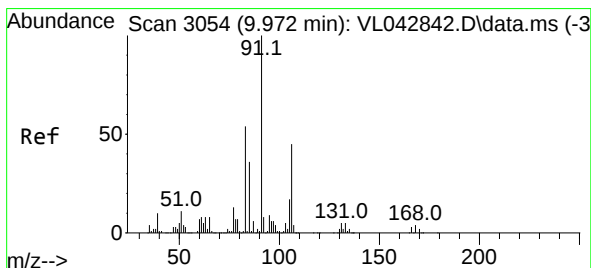
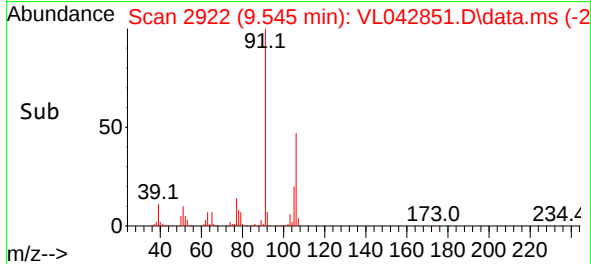
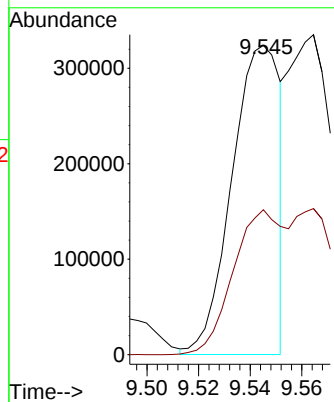
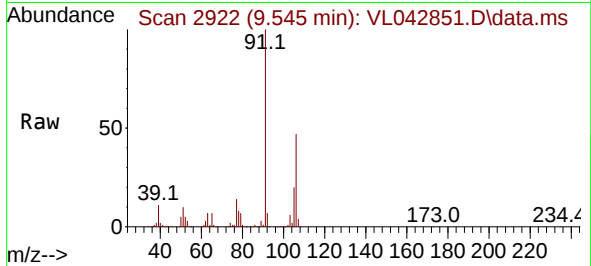




#59
m/p-Xylene
Concen: 9.381 ppbv
RT: 9.545 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

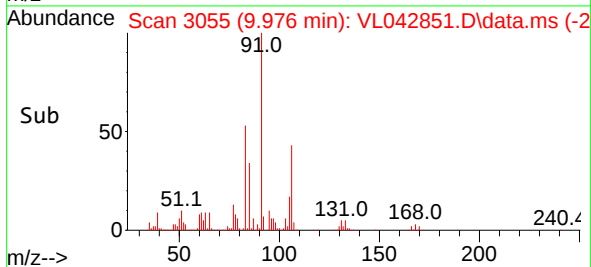
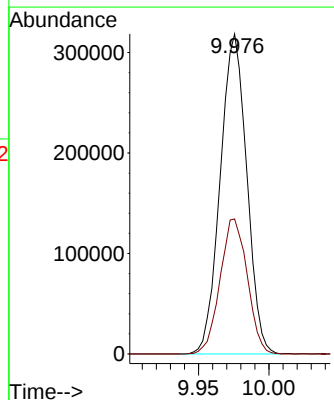
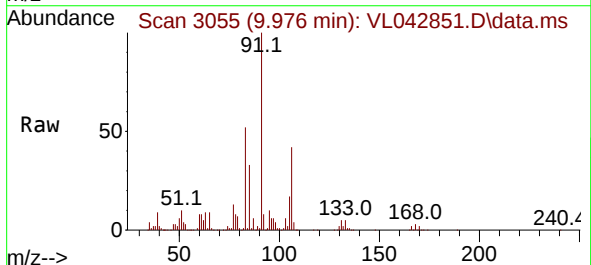
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 418211
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 9.308 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 417423
Ion Ratio Lower Upper
91 100
106 43.4 21.8 65.4

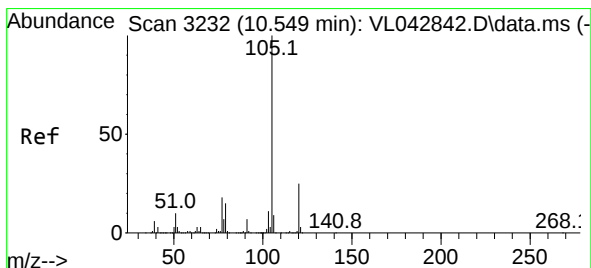
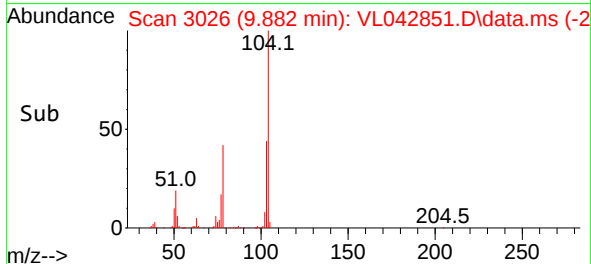
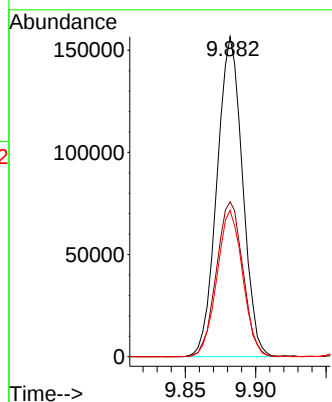
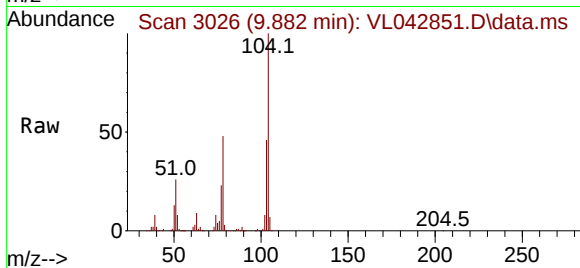




#61
Styrene
Concen: 9.414 ppbv
RT: 9.882 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

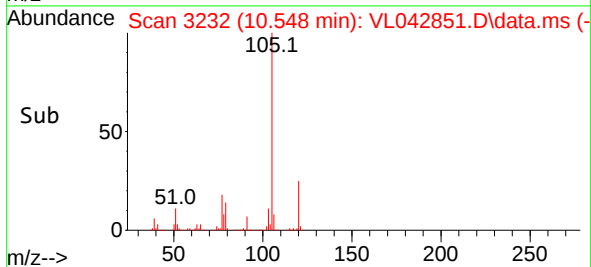
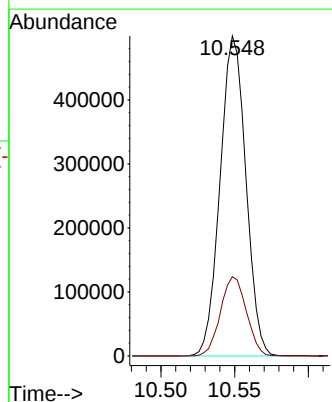
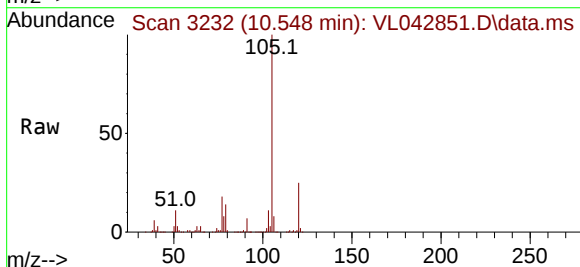
Instrument :
MSVOA_L
ClientSampleId :

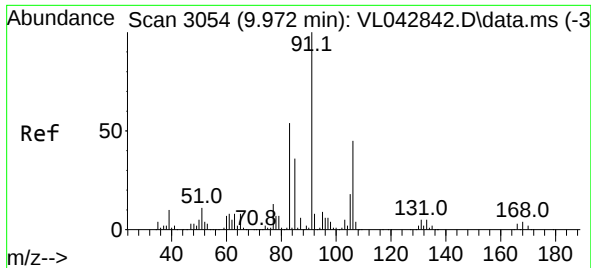
Tgt Ion:104 Resp: 197790
Ion Ratio Lower Upper
104 100
78 50.3 40.6 61.0
103 46.1 37.7 56.5



#62
Isopropylbenzene
Concen: 9.271 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 607606
Ion Ratio Lower Upper
105 100
120 24.9 20.6 30.8

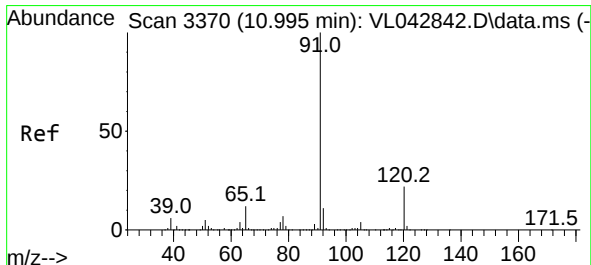
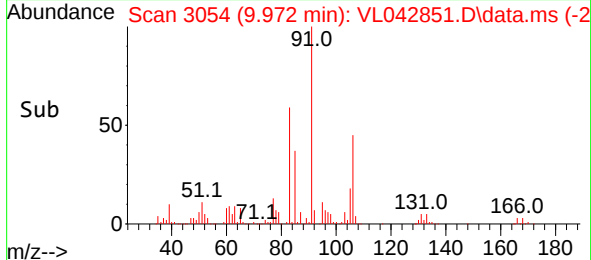
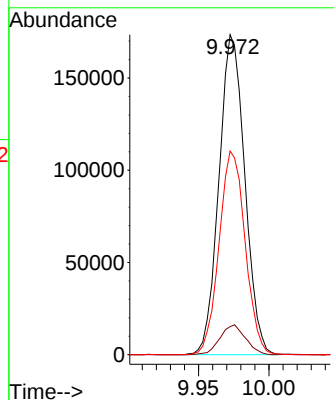
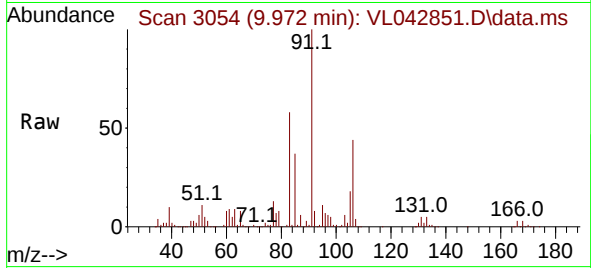




#63
1,1,2,2-Tetrachloroethane
Concen: 8.990 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

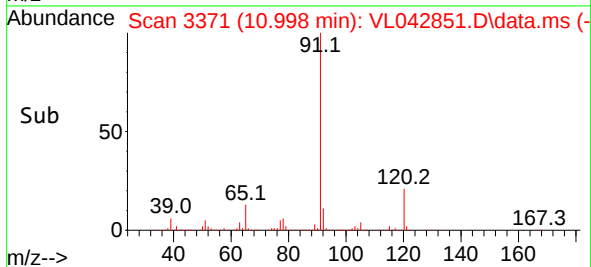
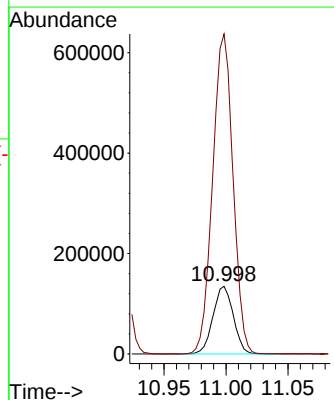
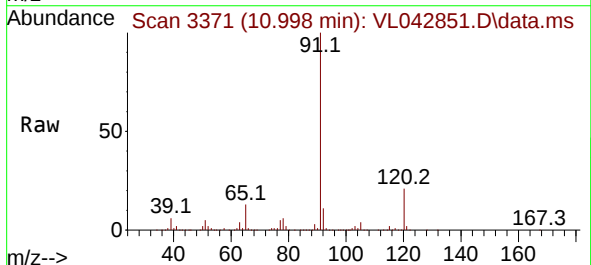
Instrument :
MSVOA_L
ClientSampleId :

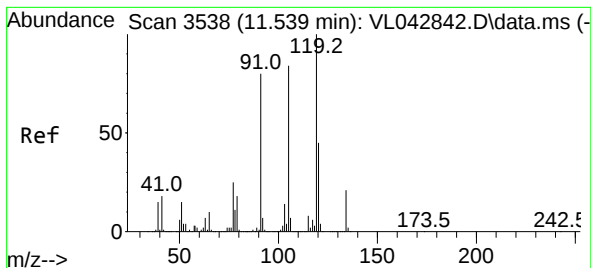
Tgt Ion: 83 Resp: 221716
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 64.1 32.3 96.8



#64
n-propylbenzene
Concen: 9.205 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 120 Resp: 153914
Ion Ratio Lower Upper
120 100
91 475.5 375.8 563.6

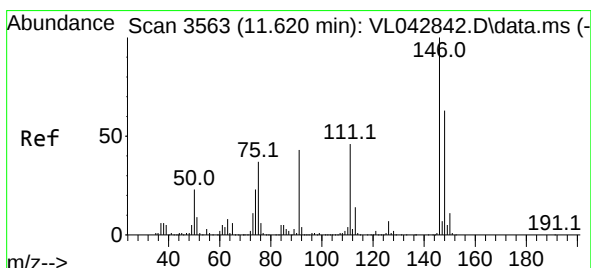
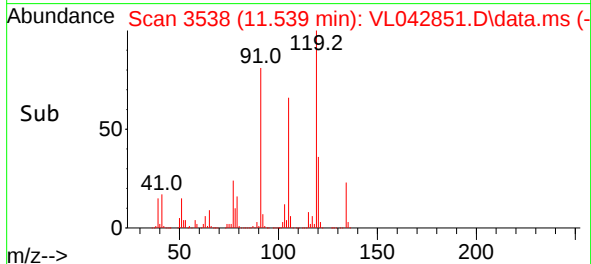
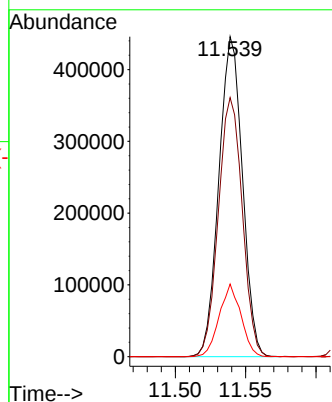
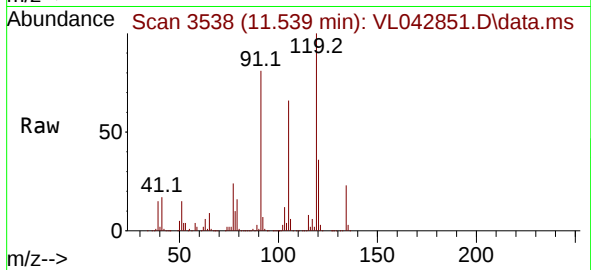




#65
tert-Butylbenzene
Concen: 8.983 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

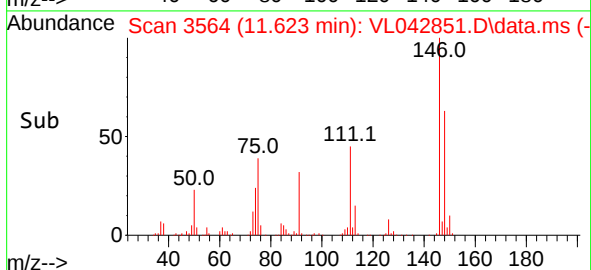
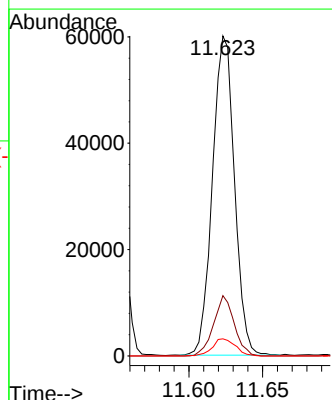
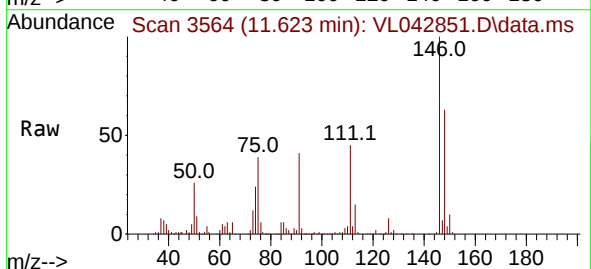
Instrument :
MSVOA_L
ClientSampleId :

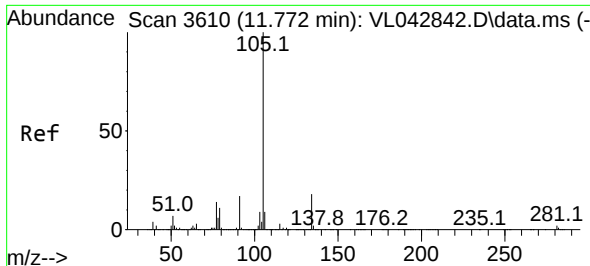
Tgt Ion:119 Resp: 518992
Ion Ratio Lower Upper
119 100
91 82.2 63.9 95.9
134 21.0 17.0 25.4



#66
Benzyl Chloride
Concen: 8.494 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 62299
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.4
128 5.7 5.0 7.6

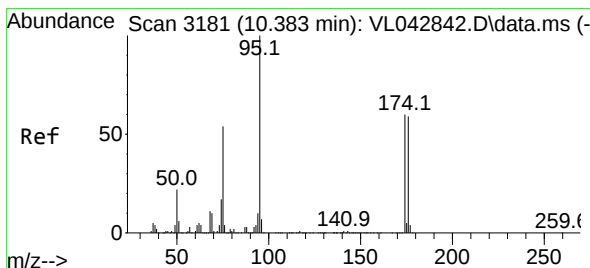
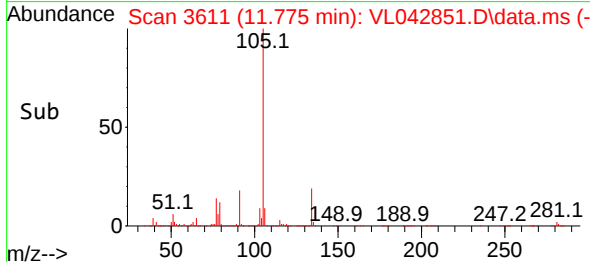
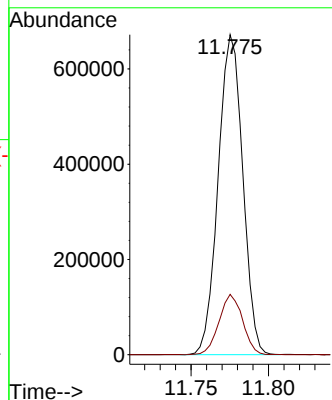
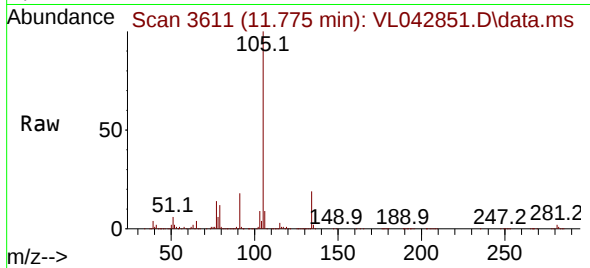




#67
 sec-Butylbenzene
 Concen: 9.141 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

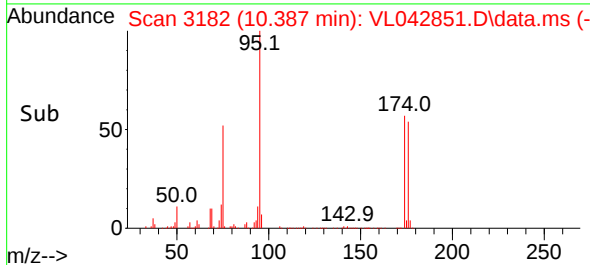
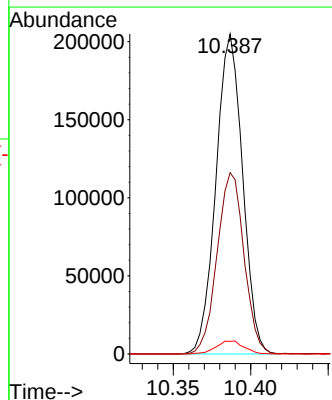
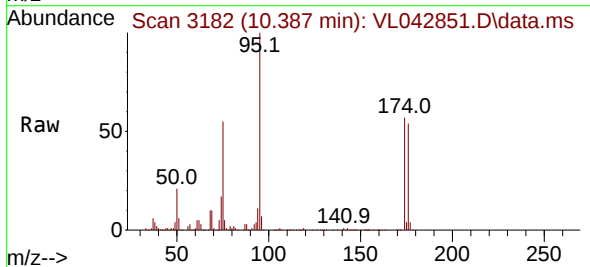
Instrument :
 MSVOA_L
 ClientSampleId :

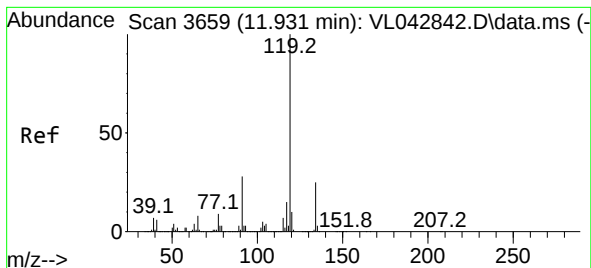
Tgt Ion:105 Resp: 741280
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.134 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Tgt Ion: 95 Resp: 244955
 Ion Ratio Lower Upper
 95 100
 174 57.3 48.4 72.6
 175 4.2 3.8 5.8





#69

p-Isopropyltoluene

Concen: 8.795 ppbv

RT: 11.934 min Scan# 3659

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

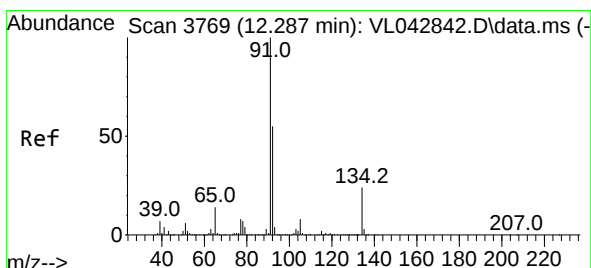
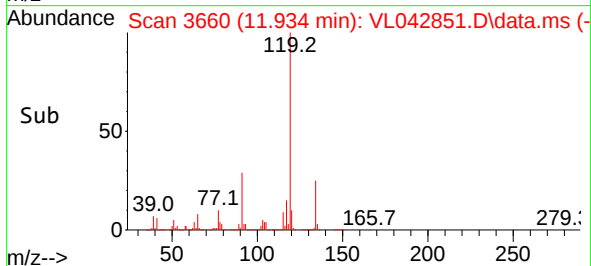
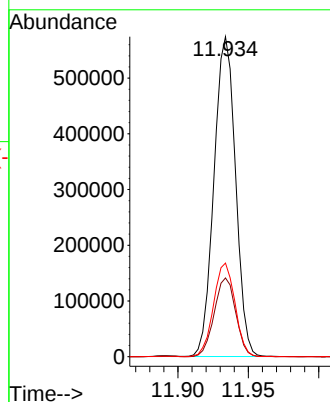
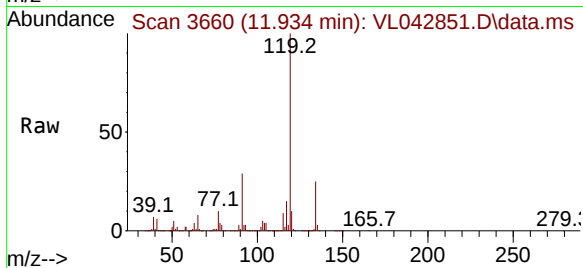
Tgt Ion:119 Resp: 612316

Ion Ratio Lower Upper

119 100

134 24.7 20.6 30.8

91 29.3 22.6 34.0



#70

n-Butylbenzene

Concen: 9.122 ppbv

RT: 12.290 min Scan# 3770

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

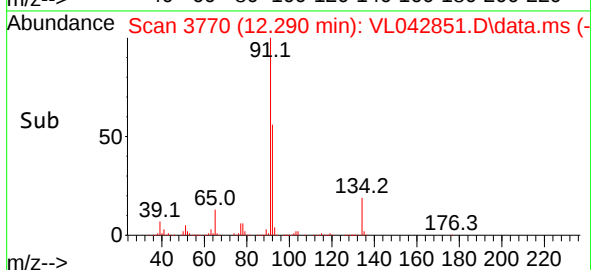
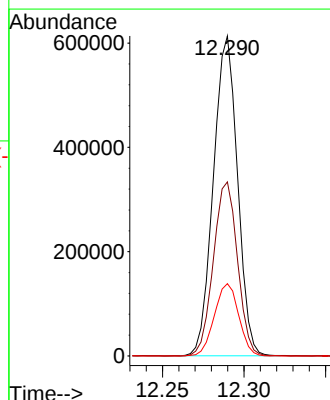
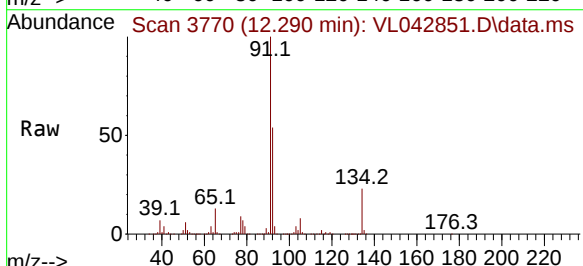
Tgt Ion: 91 Resp: 629840

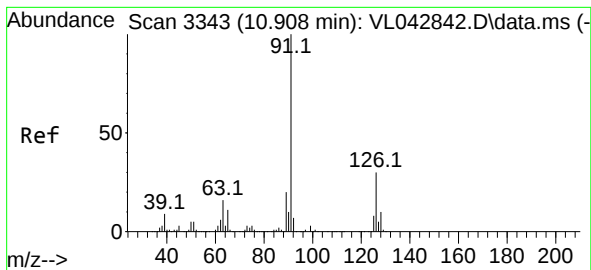
Ion Ratio Lower Upper

91 100

92 54.6 44.6 66.8

134 22.9 19.0 28.4

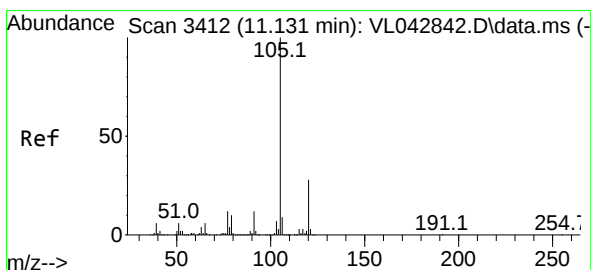
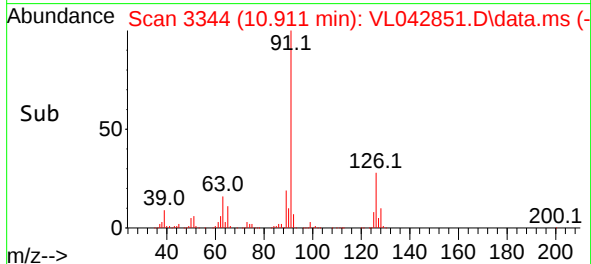
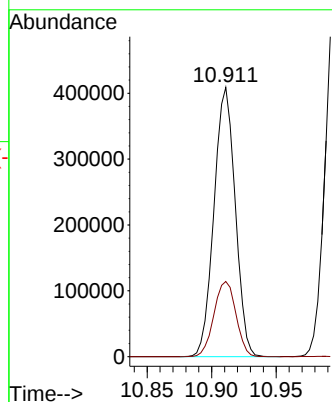
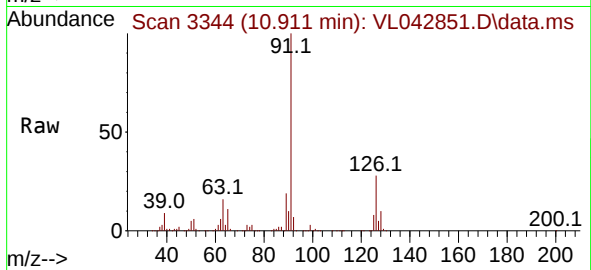




#71
2-Chlorotoluene
Concen: 9.188 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

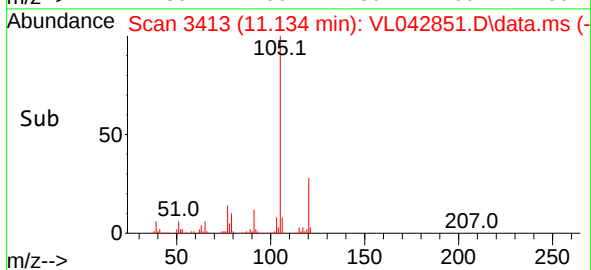
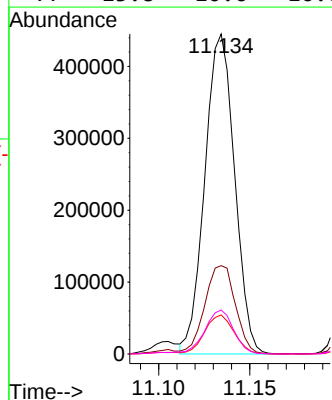
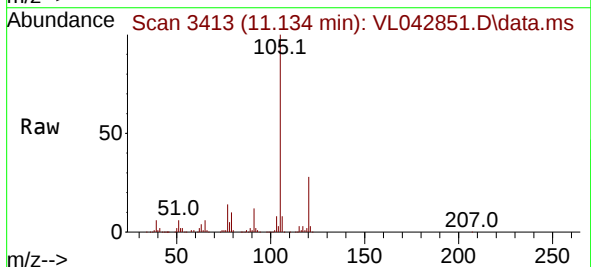
Instrument :
MSVOA_L
ClientSampleId :

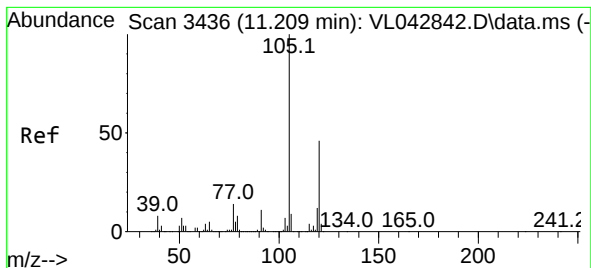
Tgt Ion: 91 Resp: 467569
Ion Ratio Lower Upper
91 100
126 28.9 12.0 47.8



#72
4-Ethyltoluene
Concen: 9.297 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 105 Resp: 505391
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.2
91 12.6 9.8 14.6
77 13.8 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.210 ppbv

RT: 11.212 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

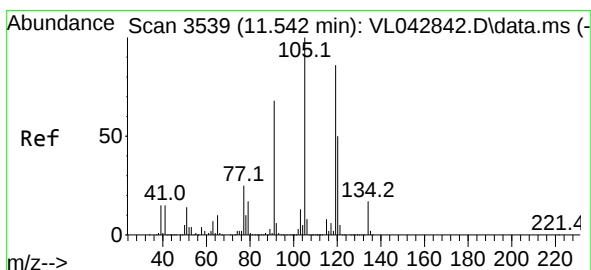
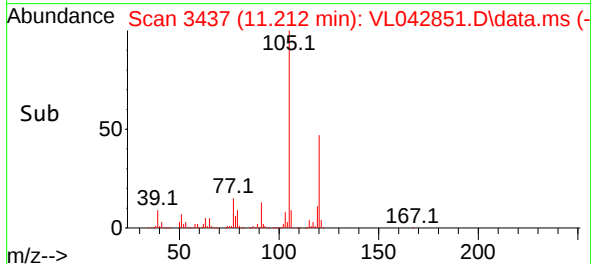
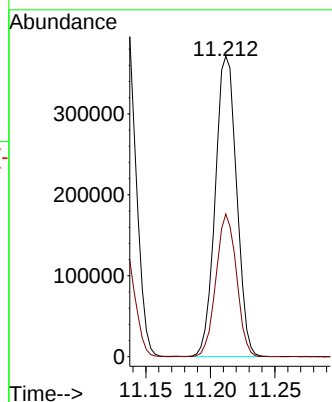
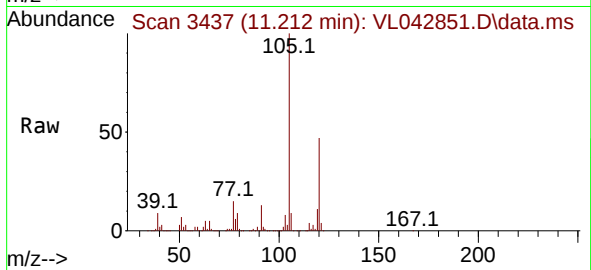
ClientSampleId :

Tgt Ion:105 Resp: 425759

Ion Ratio Lower Upper

105 100

120 47.5 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 9.005 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 456933

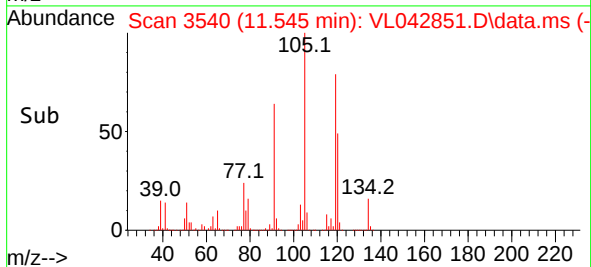
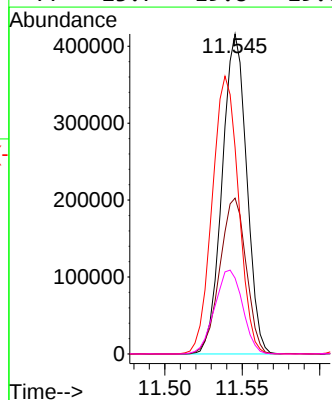
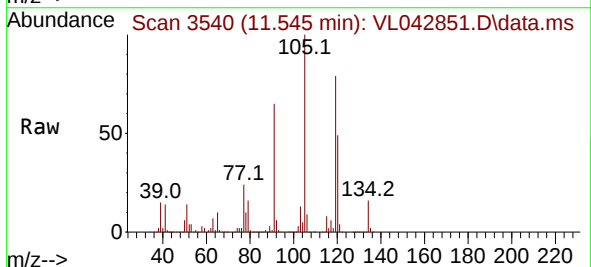
Ion Ratio Lower Upper

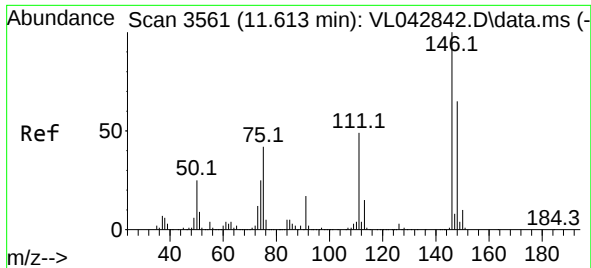
105 100

120 48.7 39.8 59.6

91 64.5 54.2 81.4

77 23.7 19.8 29.6

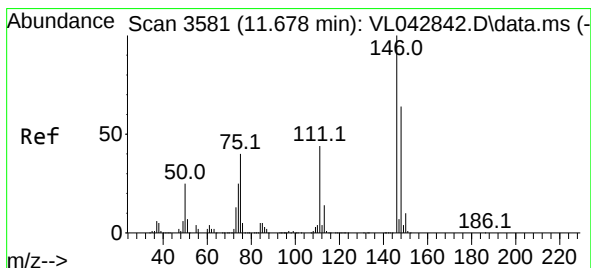
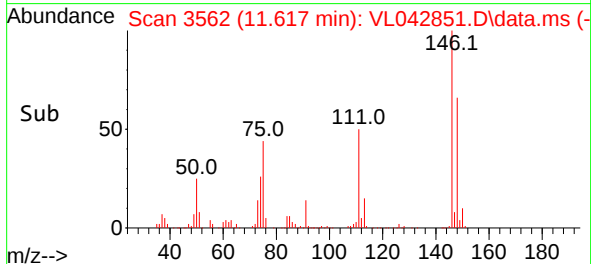
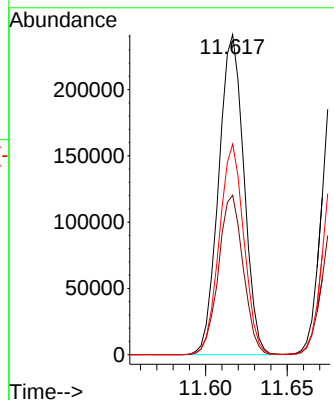
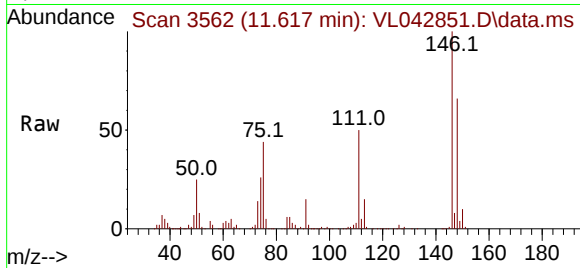




#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

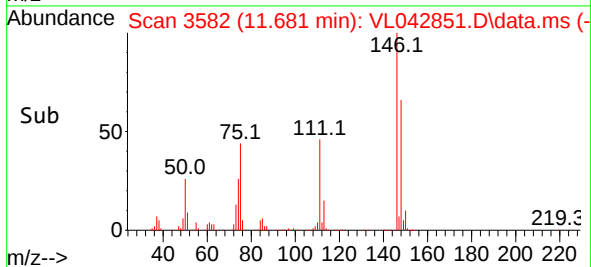
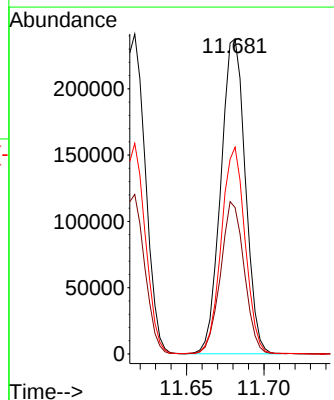
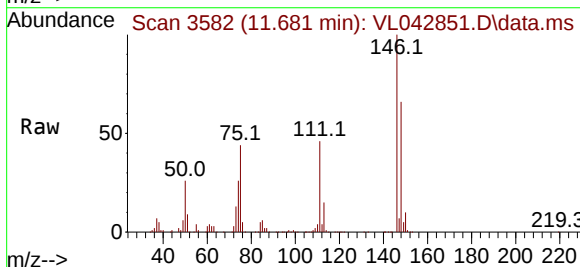
Instrument :
MSVOA_L
ClientSampleId :

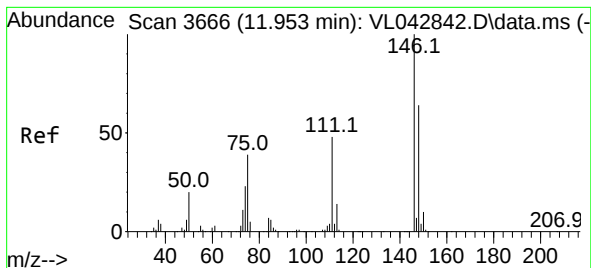
Tgt Ion:146 Resp: 259541
Ion Ratio Lower Upper
146 100
111 48.9 23.9 71.7
148 64.2 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 8.957 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:146 Resp: 261302
Ion Ratio Lower Upper
146 100
111 46.8 22.7 68.1
148 64.1 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 8.866 ppbv

RT: 11.956 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

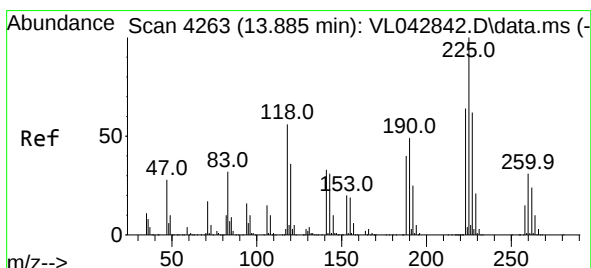
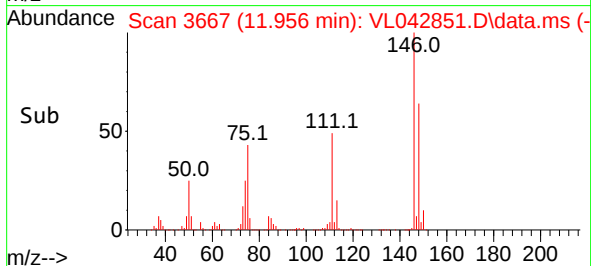
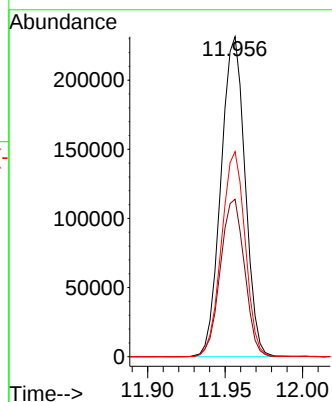
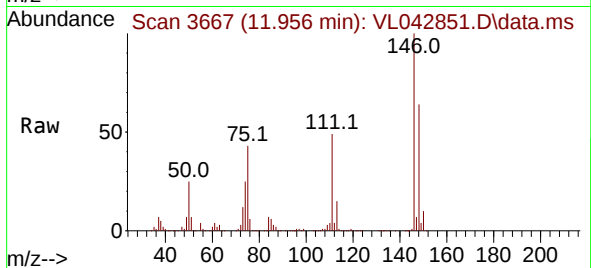
Tgt Ion:146 Resp: 250432

Ion Ratio Lower Upper

146 100

111 49.6 24.6 74.0

148 63.1 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 7.488 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

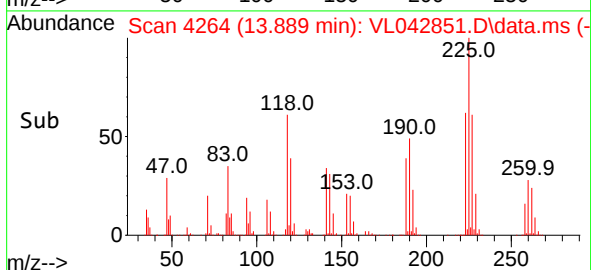
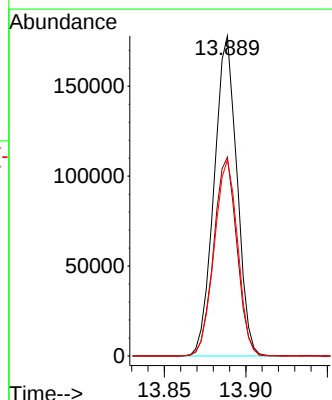
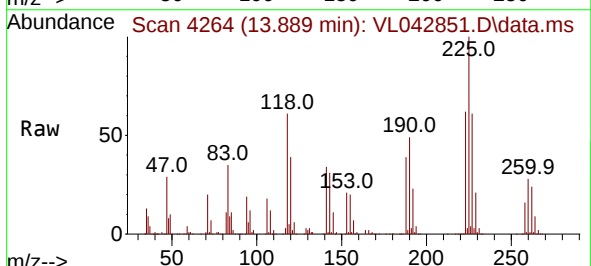
Tgt Ion:225 Resp: 173363

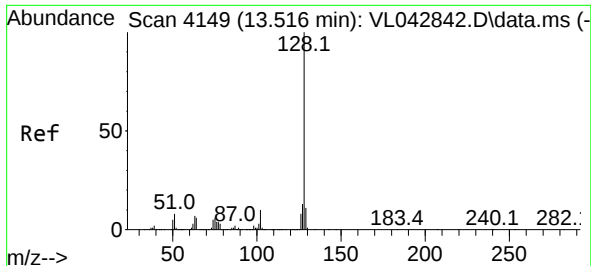
Ion Ratio Lower Upper

225 100

223 63.0 51.4 77.2

227 63.0 51.9 77.9

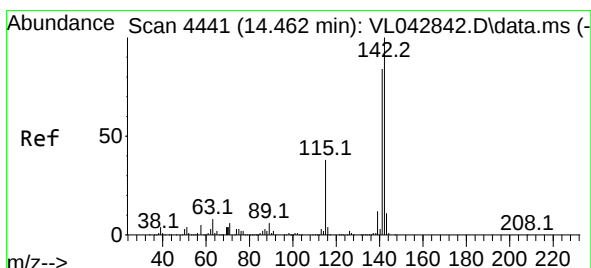
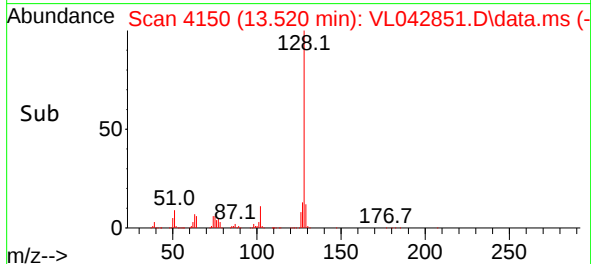
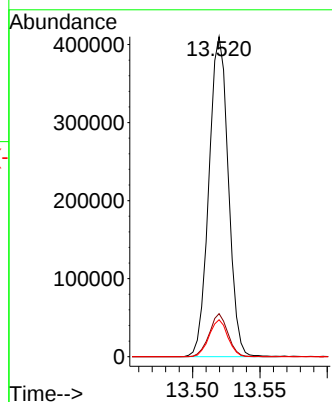
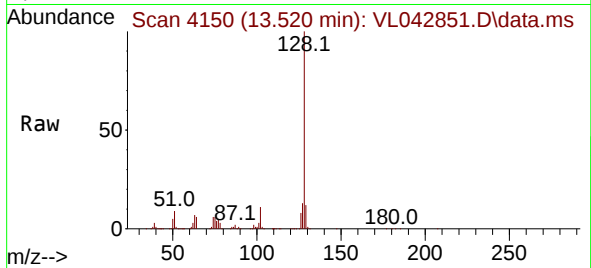




#79
Naphthalene
Concen: 8.930 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

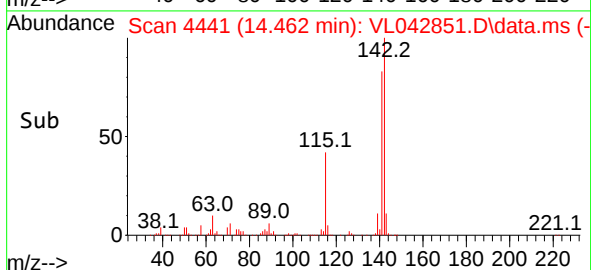
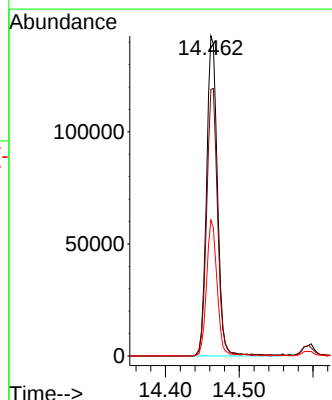
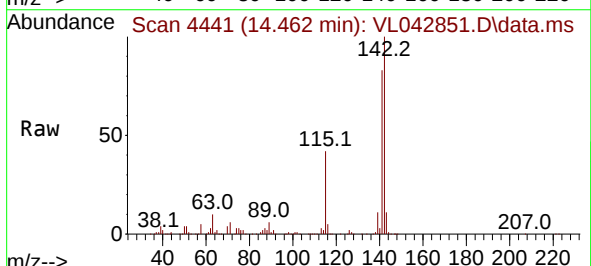
Instrument :
MSVOA_L
ClientSampleId :

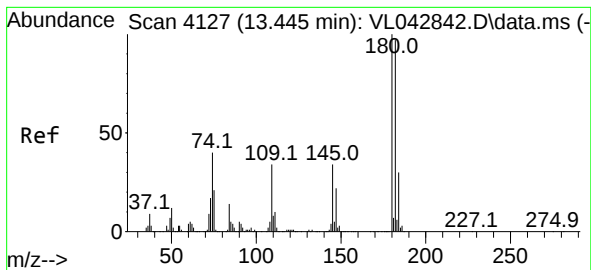
Tgt Ion:128 Resp: 410796
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.5 8.9 13.3



#80
Naphthalene,2-methyl-
Concen: 8.473 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:142 Resp: 145644
Ion Ratio Lower Upper
142 100
141 84.8 67.0 100.6
115 41.7 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.824 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:180 Resp: 204023
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.9 115.3
 184 30.0 24.5 36.7

