

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042845.D
 Acq On : 13 Aug 2025 10:17
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 14 01:48:25 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 01:44:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	126879	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	396264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	348005	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	262663	10.064	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	9937	0.534	ppbv	100
3) Chlorodifluoromethane	1.479	51	11115	0.540	ppbv	96
4) Chloromethane	1.538	50	4112	0.548	ppbv	90
5) Vinyl Chloride	1.586	62	3762	0.509	ppbv	94
6) Bromomethane	1.674	94	1576	0.533	ppbv	82
7) Chloroethane	1.709	64	1690	0.586	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	8079	0.531	ppbv	95
9) Propene	1.489	41	5225	0.589	ppbv	91
10) Heptane	4.998	43	12747	0.537	ppbv	93
11) Trichlorofluoromethane	1.884	101	10238	0.558	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7984	0.546	ppbv	98
13) Ethanol	1.725	45	562	0.639	ppbv #	1
14) Bromoethene	1.787	108	2932	0.554	ppbv #	85
15) Acetone	1.842	43	10836	0.646	ppbv	98
16) 1,3-Butadiene	1.612	39	4970	0.653	ppbv	99
17) tert-Butyl alcohol	2.049	59	12182	0.612	ppbv #	89
18) 1,1-Dichloroethene	2.039	96	3501	0.545	ppbv	92
19) Isopropyl Alcohol	1.891	45	6194	0.618	ppbv #	56
20) Methylene Chloride	2.069	84	5025	0.715	ppbv	90
21) Allyl Chloride	2.104	41	7120	0.600	ppbv #	76
22) trans-1,2-Dichloroethene	2.350	96	3996	0.556	ppbv	96
23) Vinyl Acetate	2.470	43	13709	0.621	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	8354	0.562	ppbv #	96
25) Ethyl Acetate	2.845	43	22148	0.545	ppbv #	96
26) Hexane	2.832	57	9879	0.527	ppbv	85
27) Carbon Disulfide	2.156	76	9539	0.523	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	5284	0.553	ppbv #	62
29) Chloroform	2.858	83	14586	0.545	ppbv	100
30) Cyclohexane	3.868	84	9037	0.550	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	10308	0.550	ppbv #	86
32) 1,1,1-Trichloroethane	3.379	97	14011	0.494	ppbv	97
34) 2-Butanone	2.567	43	14923	0.558	ppbv	100
35) Carbon Tetrachloride	3.774	117	13507	0.494	ppbv	97
36) Benzene	3.671	78	20073	0.529	ppbv	98
37) 1,2-Dichloroethane	3.230	62	10141	0.512	ppbv #	93
38) Trichloroethene	4.564	130	9918	0.572	ppbv #	88
39) 1,2-Dichloropropane	4.334	63	7491	0.541	ppbv	86
40) 1,4-Dioxane	4.613	88	2065	0.318	ppbv #	1
41) Tetrahydrofuran	3.072	42	7827	0.525	ppbv	93
42) Bromodichloromethane	4.509	83	15580	0.527	ppbv #	94
43) Methyl Methacrylate	4.897	69	7529	0.484	ppbv	89
44) 2,2,4-Trimethylpentane	4.651	57	16770	0.263	ppbv #	40
45) t-1,3-Dichloropropene	6.435	75	5507	0.312	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :

Quant Time: Aug 14 01:48:25 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 01:44:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	4895	0.221	ppbv	89
47) 1,1,2-Trichloroethane	6.597	97	3140	0.214	ppbv	90
48) Dibromochloromethane	7.406	129	11805	0.497	ppbv	100
49) Bromoform	9.497	173	9232	0.471	ppbv	95
50) 4-Methyl-2-Pentanone	5.778	43	11657	0.321	ppbv #	52
51) 2-Hexanone	7.458	43	14329	0.503	ppbv #	99
52) Tetrachloroethene	8.244	164	7304	0.531	ppbv #	87
53) Toluene	6.949	91	14358	0.318	ppbv #	41
54) 1,2-Dibromoethane	7.668	107	10873	0.507	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.940	131	9300	0.517	ppbv #	1
57) Chlorobenzene	8.937	112	17845	0.539	ppbv #	96
58) Ethyl Benzene	9.370	91	32261	0.525	ppbv	99
59) m/p-Xylene	9.542	91	27059	0.561	ppbv #	100
60) o-Xylene	9.979	91	26662	0.551	ppbv	100
61) Styrene	9.885	104	12379	0.546	ppbv	95
62) Isopropylbenzene	10.552	105	37401	0.529	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	13828	0.523	ppbv	95
64) n-propylbenzene	10.998	120	9922	0.550	ppbv	98
65) tert-Butylbenzene	11.542	119	33183	0.532	ppbv	97
66) Benzyl Chloride	11.626	91	4039	0.510	ppbv #	97
67) sec-Butylbenzene	11.778	105	46433	0.530	ppbv	96
69) p-Isopropyltoluene	11.934	119	40686	0.541	ppbv	99
70) n-Butylbenzene	12.290	91	38867	0.521	ppbv	99
71) 2-Chlorotoluene	10.911	91	29736	0.541	ppbv	97
72) 4-Ethyltoluene	11.138	105	30234	0.515	ppbv	97
73) 1,3,5-Trimethylbenzene	11.212	105	26942	0.540	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	29750	0.543	ppbv	94
75) 1,3-Dichlorobenzene	11.617	146	16311	0.524	ppbv	95
76) 1,4-Dichlorobenzene	11.681	146	16803	0.533	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	16306	0.535	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	14165	0.567	ppbv	99
79) Naphthalene	13.520	128	24056	0.491	ppbv	96
80) Naphthalene,2-methyl-	14.465	142	7482	0.405	ppbv	95
81) 1,2,4-Trichlorobenzene	13.449	180	10844	0.434	ppbv	97

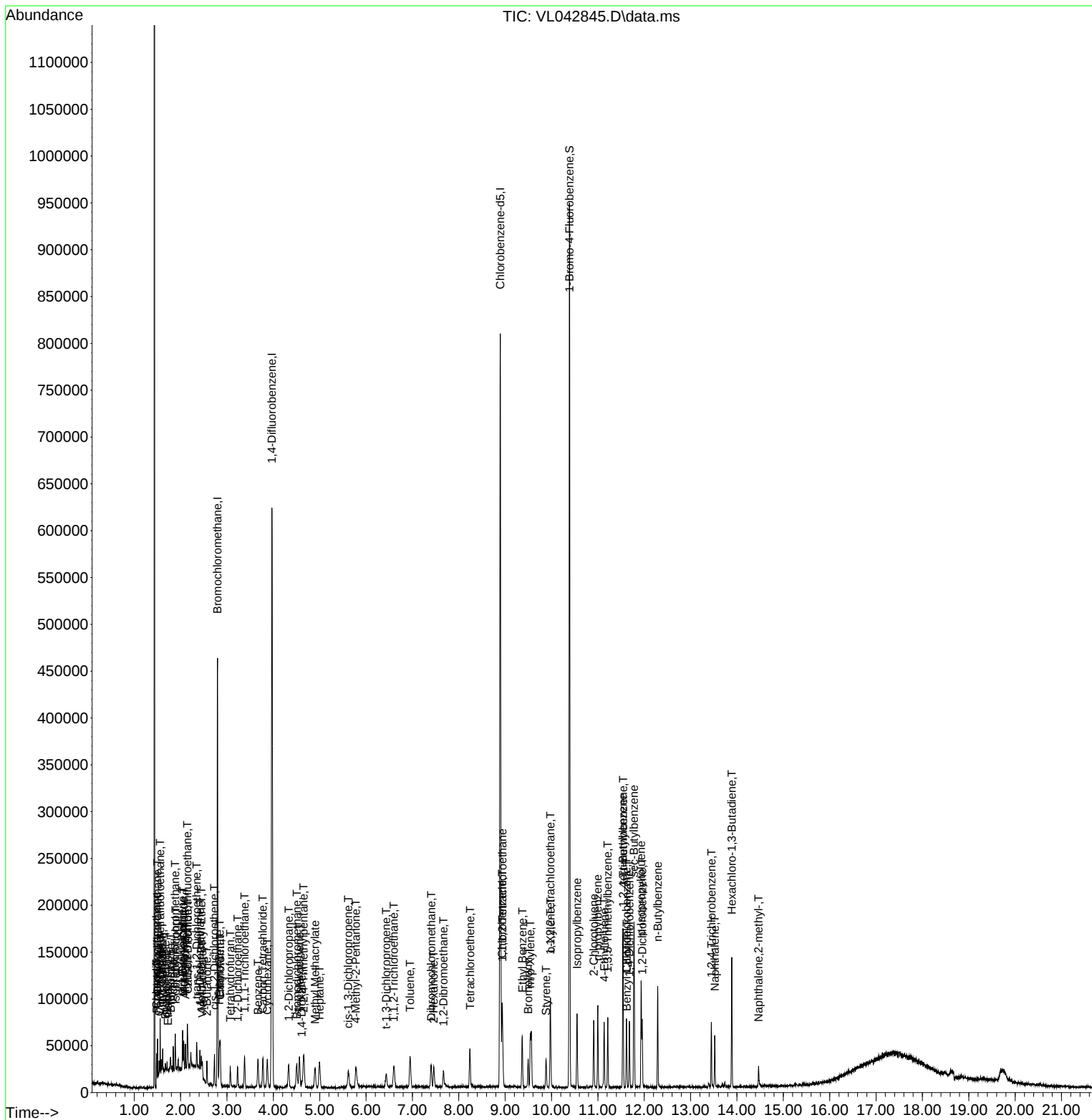
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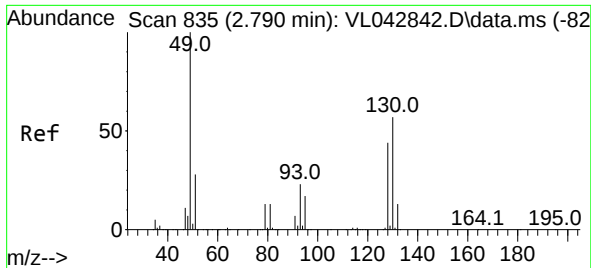
Instrument :

MSVOA L

ClientSampleId :

Response via : Initial Calibration

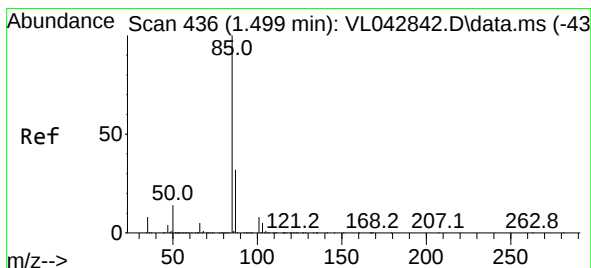
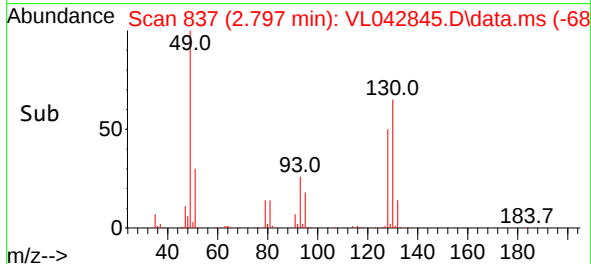
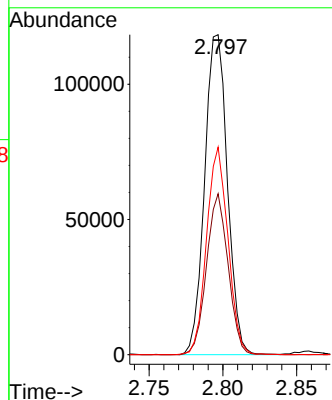
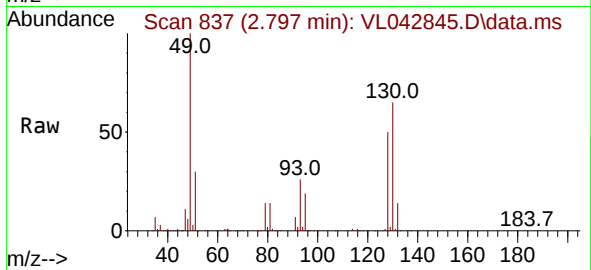




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

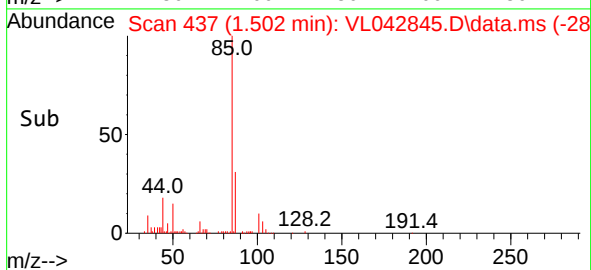
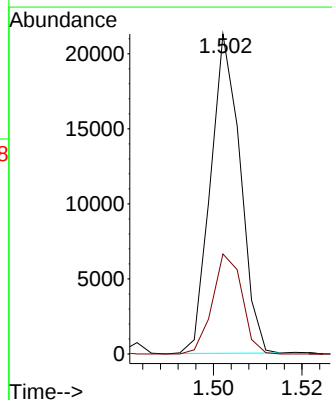
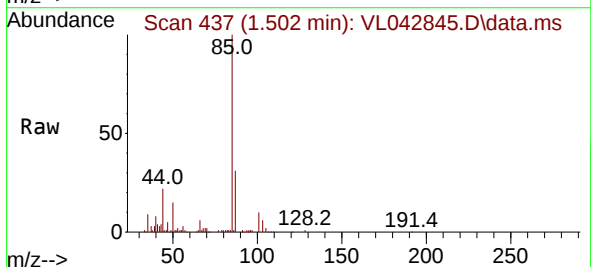
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MSVOA_L
ClientSampleId :

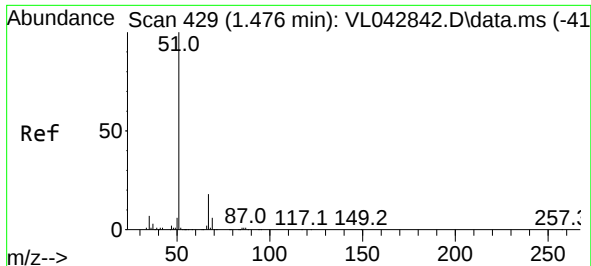
Tgt Ion: 49 Resp: 126879
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 60.9 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 0.534 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 85 Resp: 9937
Ion Ratio Lower Upper
85 100
87 31.3 25.3 37.9

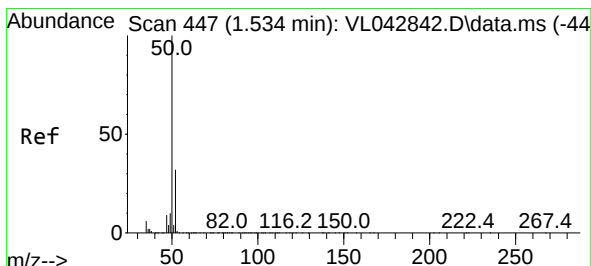
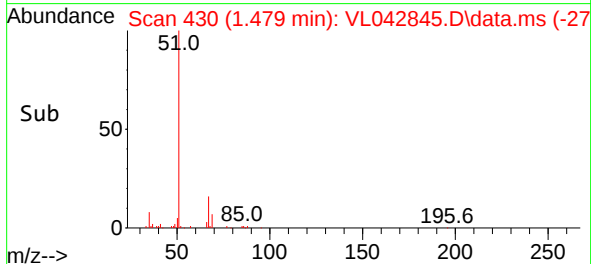
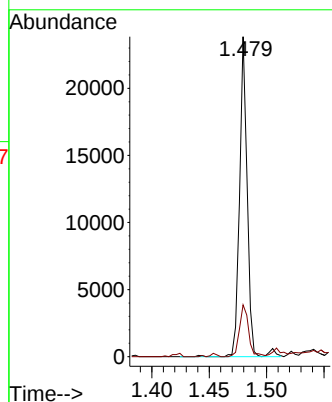
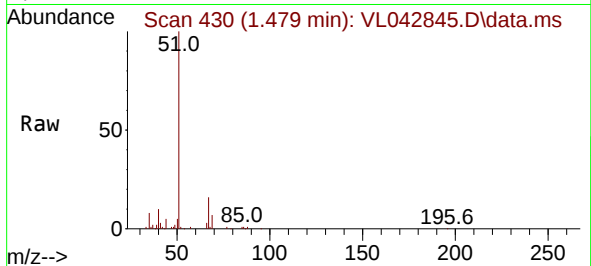




#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

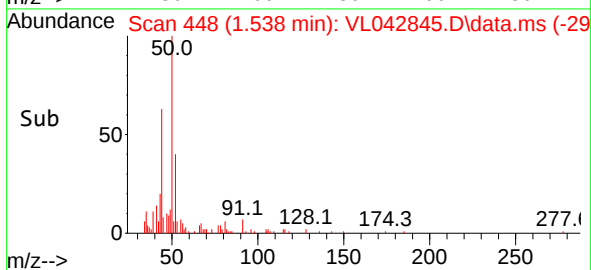
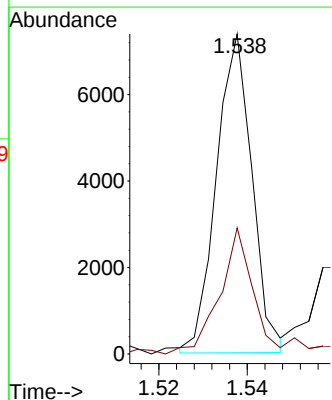
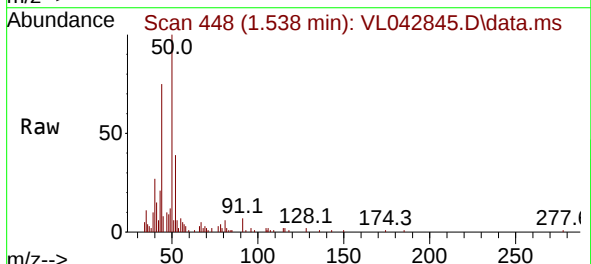
Instrument :
MSVOA_L
ClientSampleId :

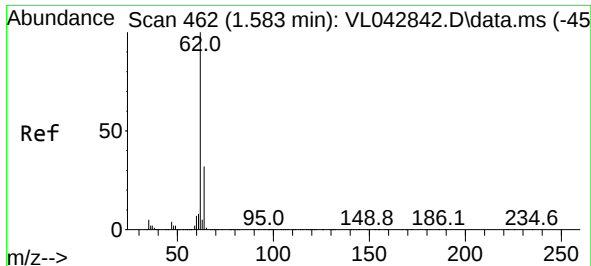
Tgt Ion: 51 Resp: 11115
Ion Ratio Lower Upper
51 100
67 20.5 14.9 22.3



#4
Chloromethane
Concen: 0.548 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 50 Resp: 4112
Ion Ratio Lower Upper
50 100
52 38.2 25.9 38.9

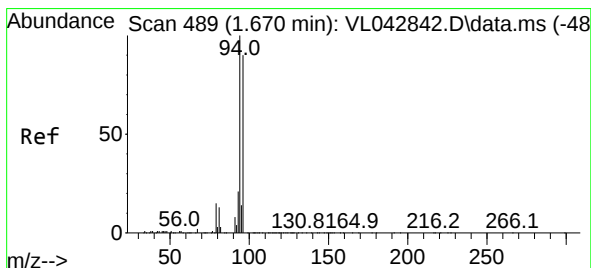
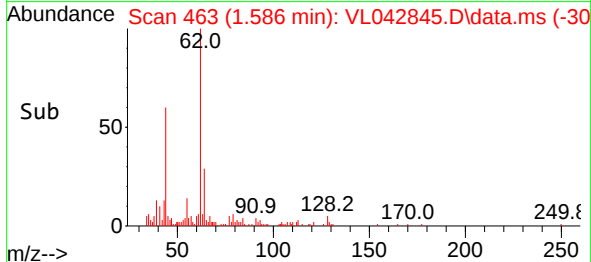
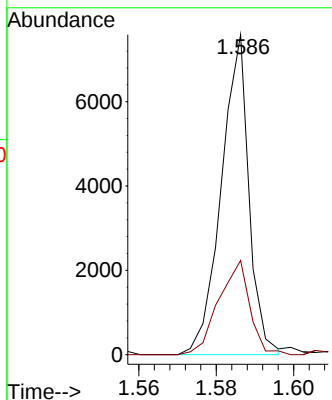
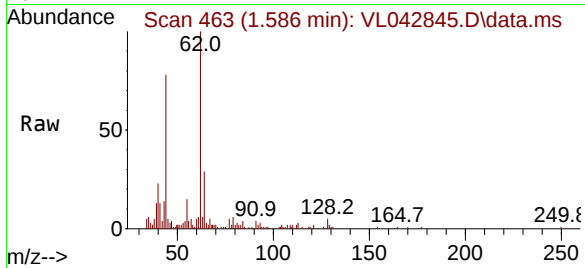




#5
 Vinyl Chloride
 Concen: 0.509 ppbv
 RT: 1.586 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

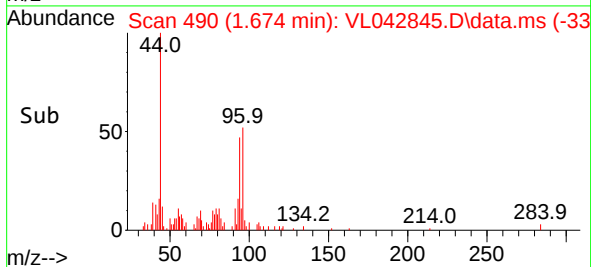
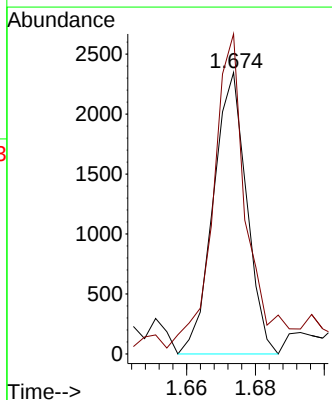
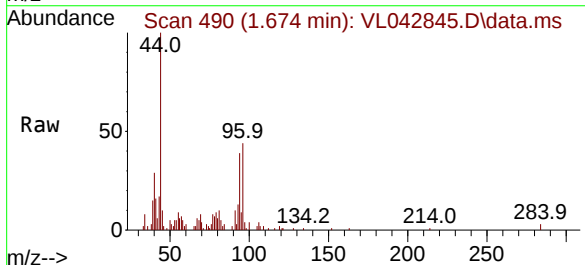
Instrument :
 MSVOA_L
 ClientSampleId :

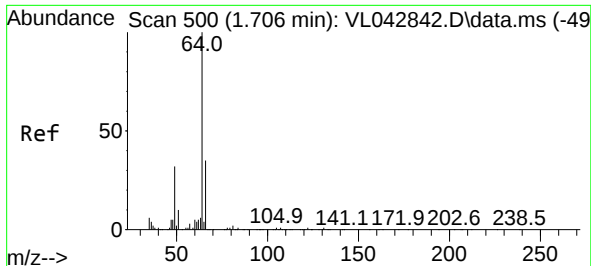
Tgt Ion: 62 Resp: 3762
 Ion Ratio Lower Upper
 62 100
 64 28.3 25.4 38.2



#6
 Bromomethane
 Concen: 0.533 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Tgt Ion: 94 Resp: 1576
 Ion Ratio Lower Upper
 94 100
 96 106.9 72.1 108.1

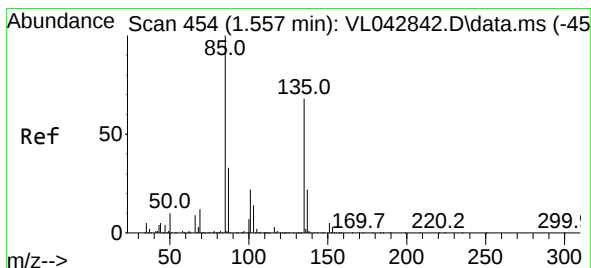
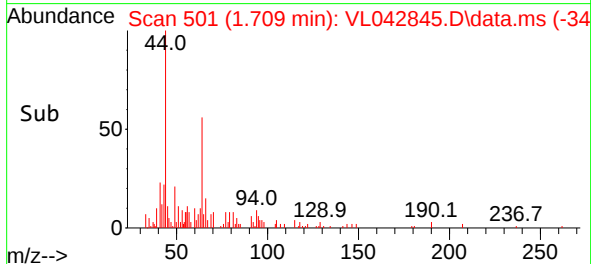
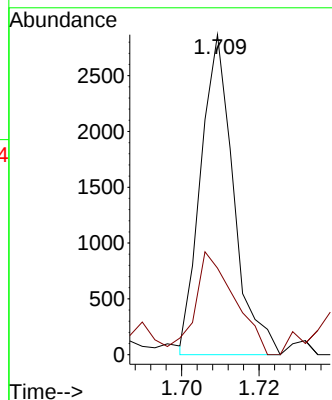
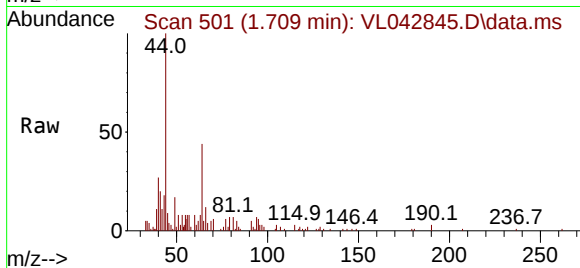




#7
Chloroethane
Concen: 0.586 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

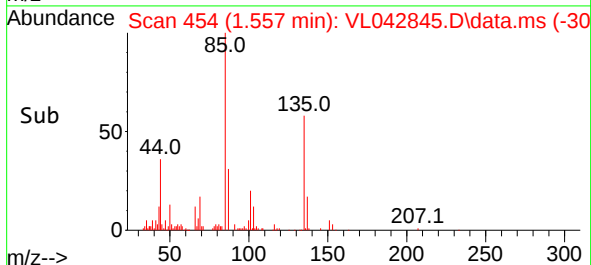
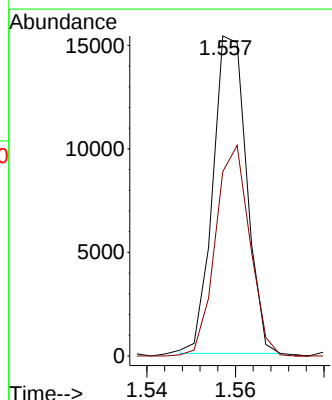
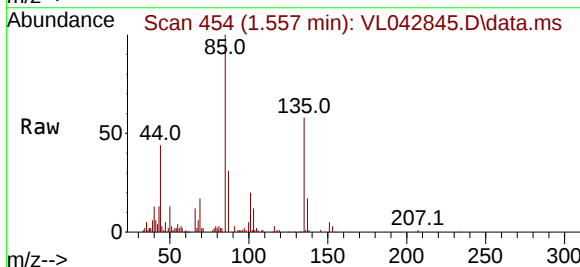
Instrument :
MSVOA_L
ClientSampleId :

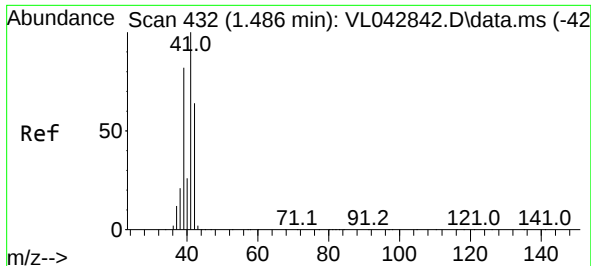
Tgt Ion: 64 Resp: 1690
Ion Ratio Lower Upper
64 100
66 27.0 28.6 42.8#



#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 85 Resp: 8079
Ion Ratio Lower Upper
85 100
135 67.7 51.2 76.8





#9

Propene

Concen: 0.589 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

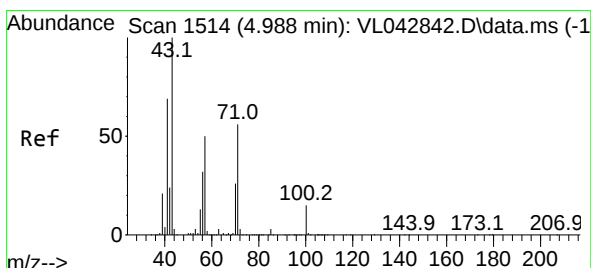
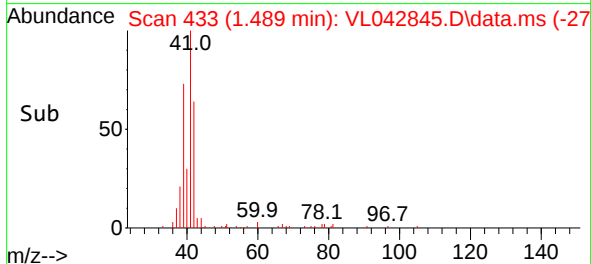
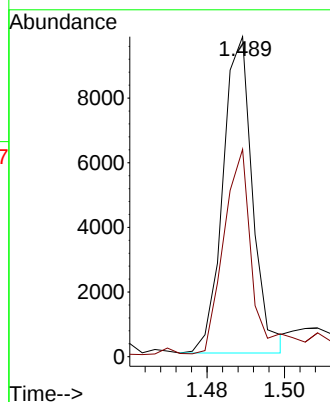
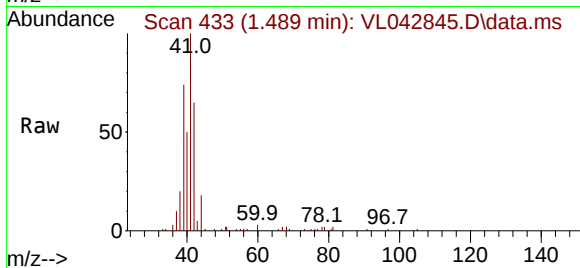
ClientSampleId :

Tgt Ion: 41 Resp: 5225

Ion Ratio Lower Upper

41 100

42 73.7 53.0 79.4



#10

Heptane

Concen: 0.537 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.010 min

Lab File: VL042845.D

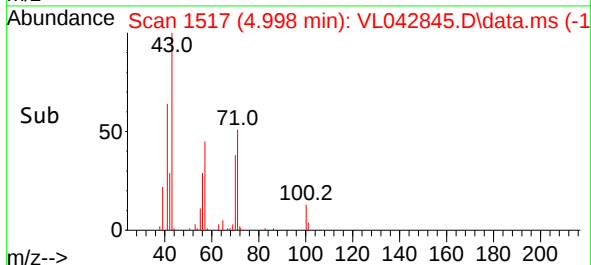
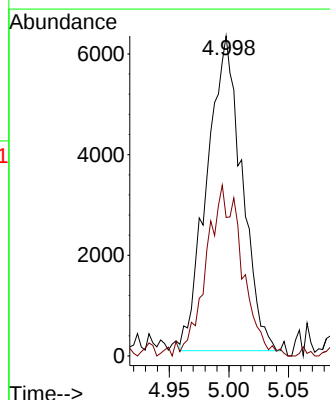
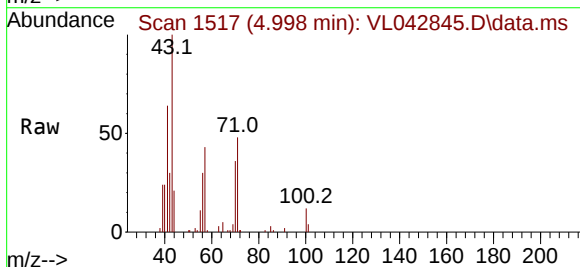
Acq: 13 Aug 2025 10:17

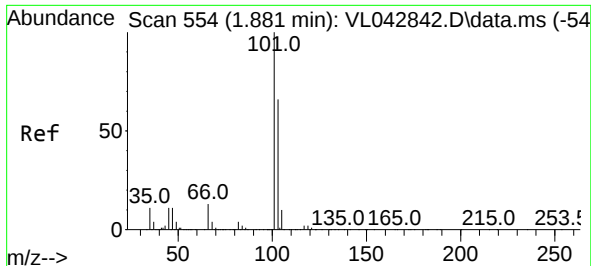
Tgt Ion: 43 Resp: 12747

Ion Ratio Lower Upper

43 100

57 56.9 41.4 62.0

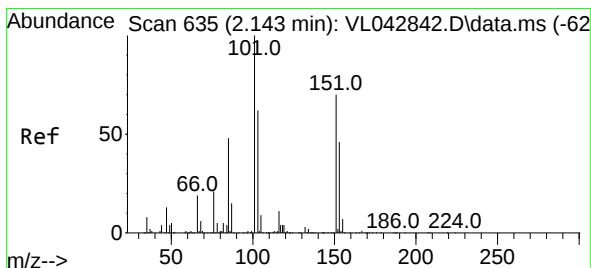
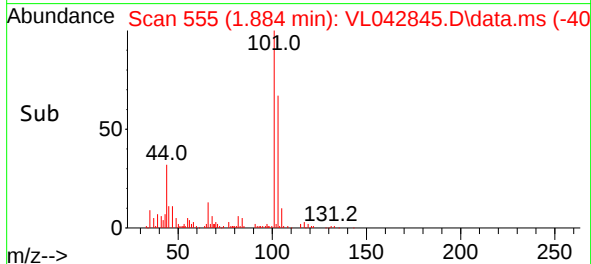
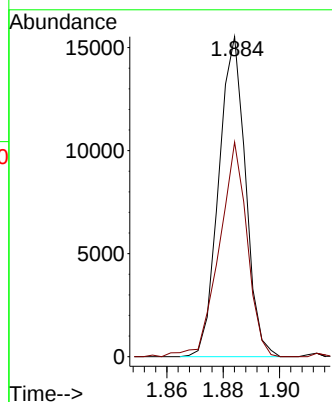
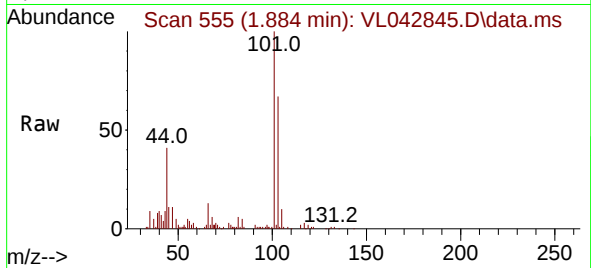




#11
 Trichlorofluoromethane
 Concen: 0.558 ppbv
 RT: 1.884 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

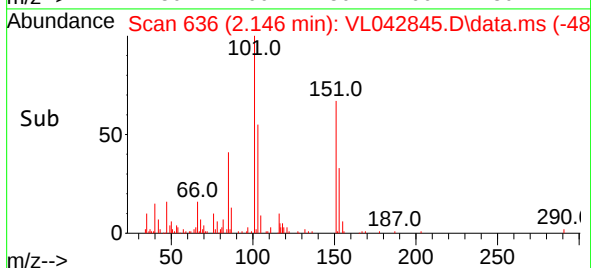
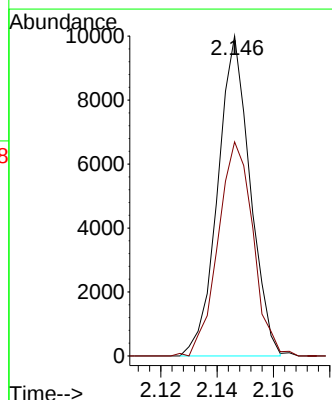
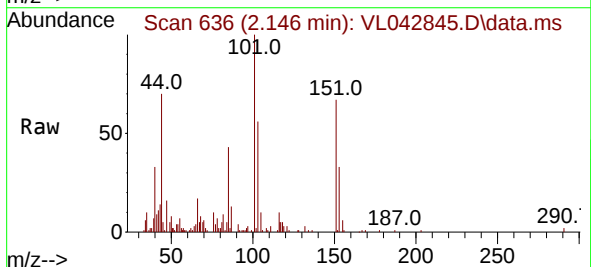
Instrument :
 MSVOA_L
 ClientSampleId :

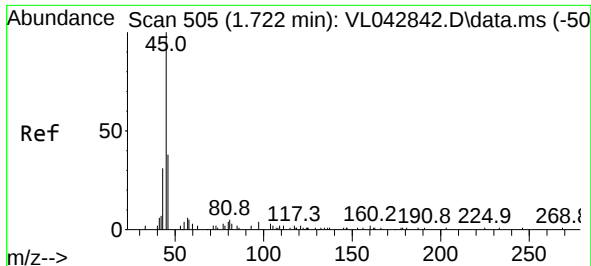
Tgt Ion:101 Resp: 10238
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.546 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Tgt Ion:101 Resp: 7984
 Ion Ratio Lower Upper
 101 100
 151 72.3 56.4 84.6

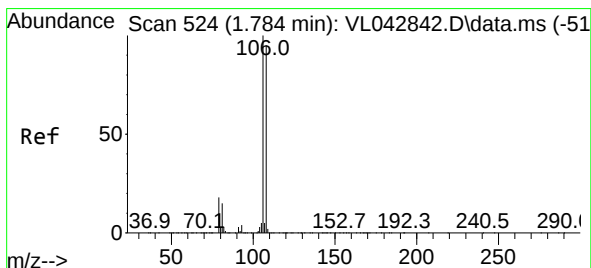
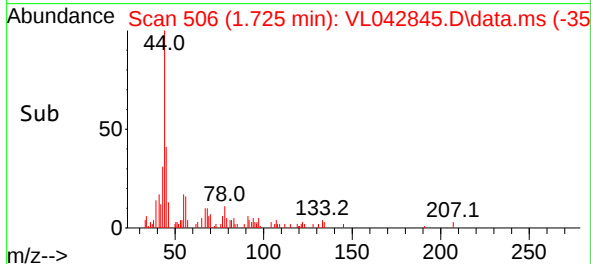
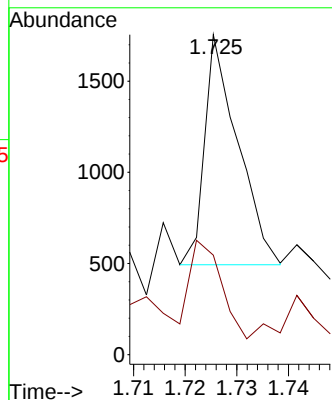
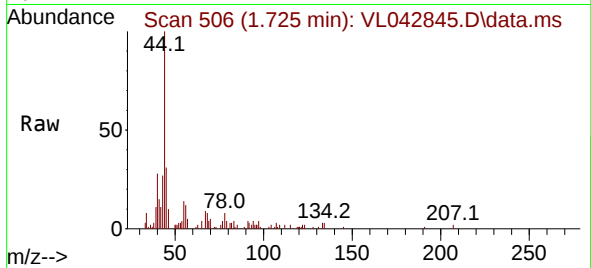




#13
Ethanol
Concen: 0.639 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

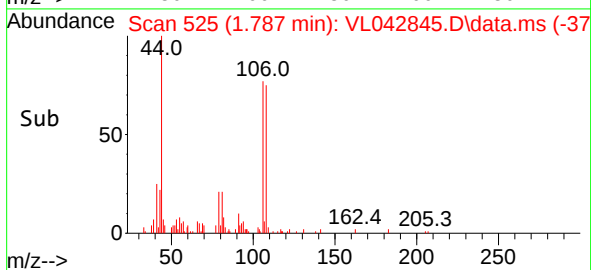
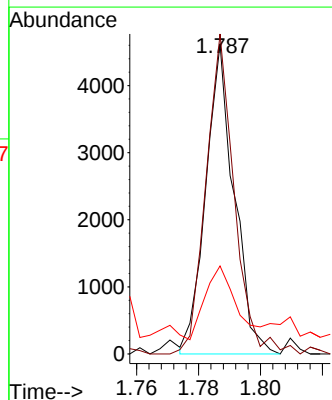
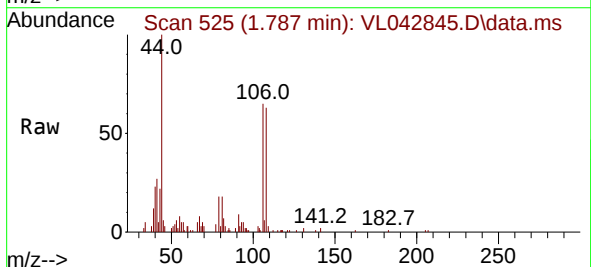
Instrument :
MSVOA_L
ClientSampleId :

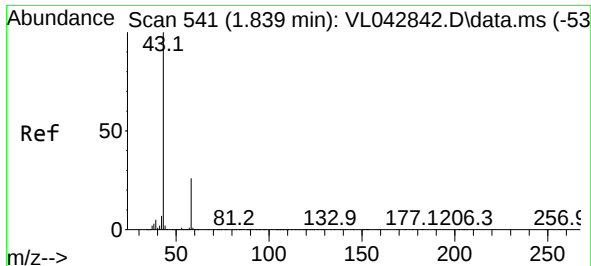
Tgt Ion: 45 Resp: 562
Ion Ratio Lower Upper
45 100
46 131.5 17.5 69.9#



#14
Bromoethene
Concen: 0.554 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 108 Resp: 2932
Ion Ratio Lower Upper
108 100
106 106.1 85.1 127.7
79 62.6 16.3 24.5#

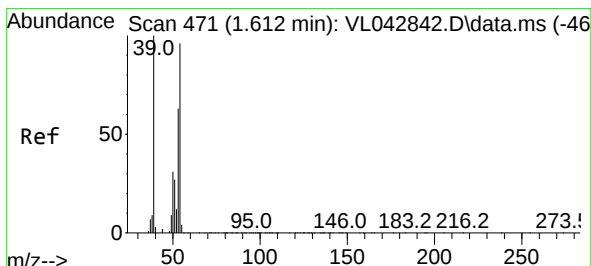
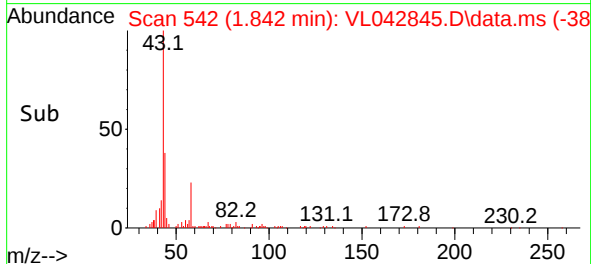
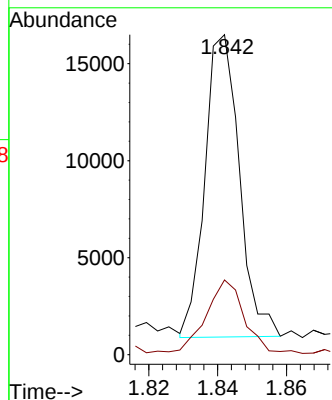
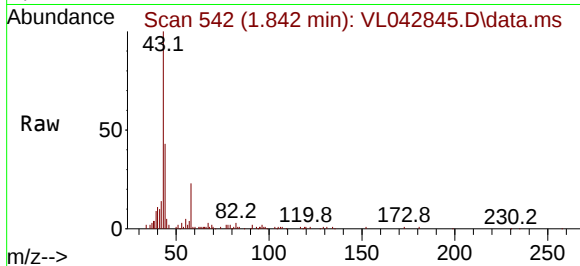




#15
Acetone
Concen: 0.646 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

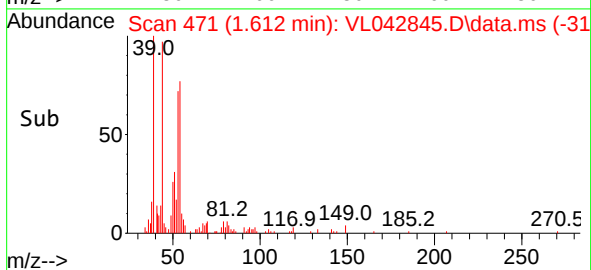
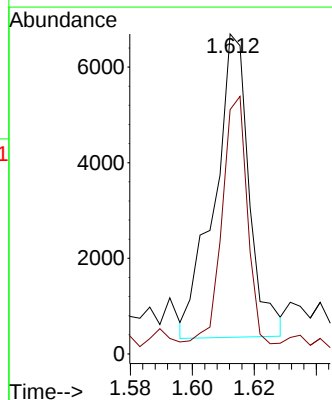
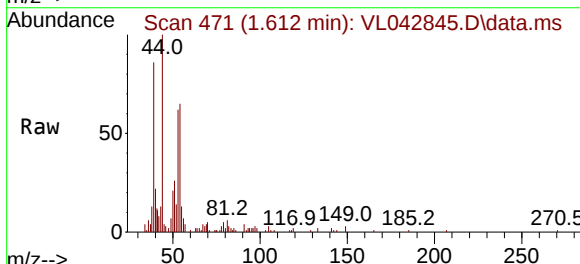
Instrument :
MSVOA_L
ClientSampleId :

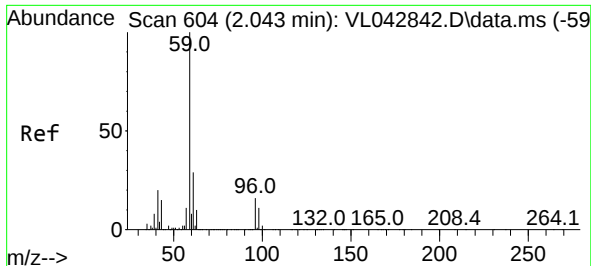
Tgt Ion: 43 Resp: 10836
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6



#16
1,3-Butadiene
Concen: 0.653 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 39 Resp: 4970
Ion Ratio Lower Upper
39 100
54 78.6 63.6 95.4

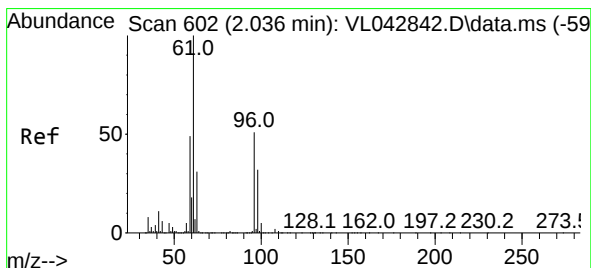
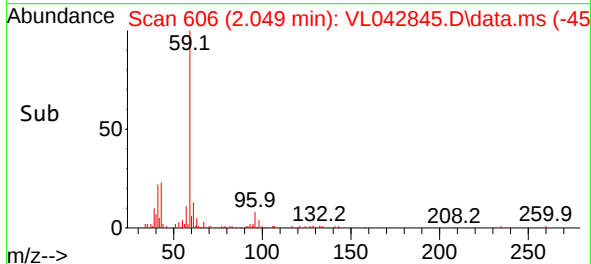
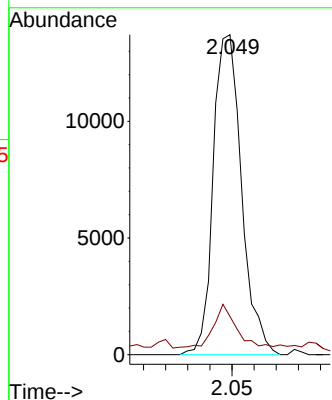
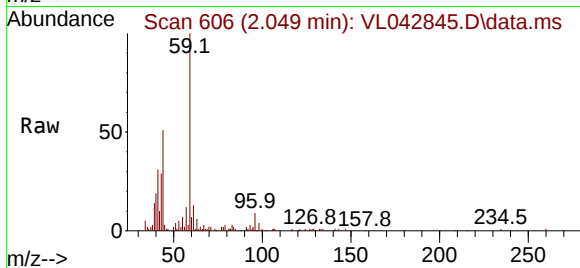




#17
tert-Butyl alcohol
Concen: 0.612 ppbv
RT: 2.049 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

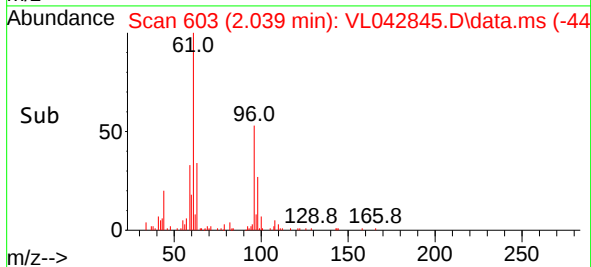
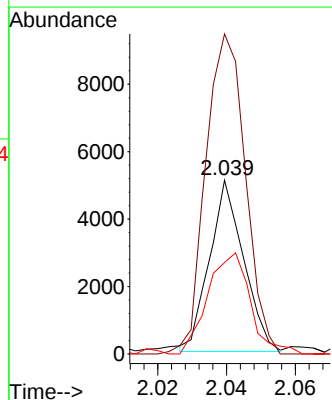
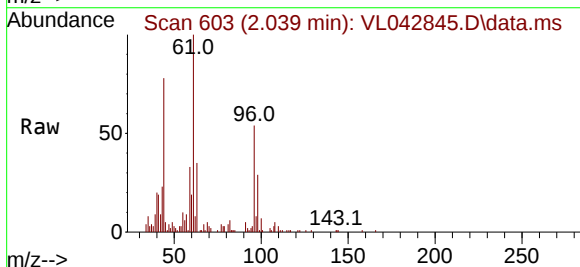
Instrument :
MSVOA_L
ClientSampleId :

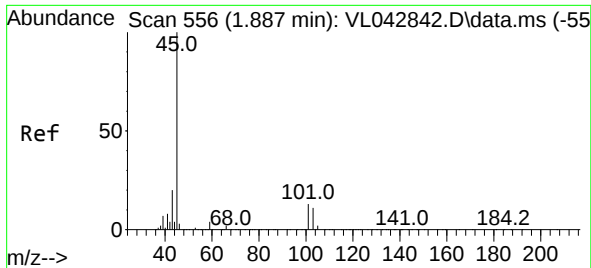
Tgt Ion: 59 Resp: 12182
Ion Ratio Lower Upper
59 100
57 15.3 9.0 13.4#



#18
1,1-Dichloroethene
Concen: 0.545 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 96 Resp: 3501
Ion Ratio Lower Upper
96 100
61 188.2 158.2 237.4
98 53.8 50.6 76.0

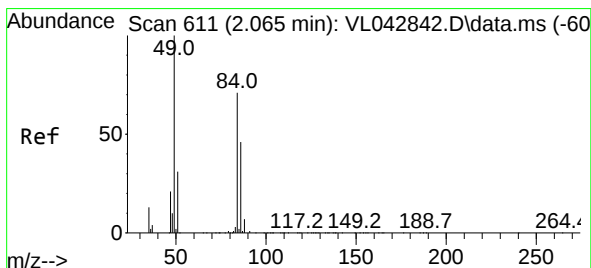
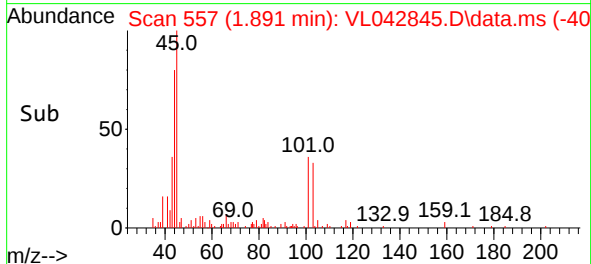
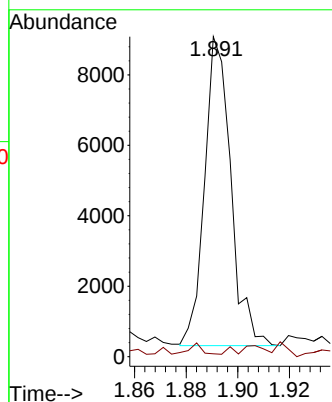
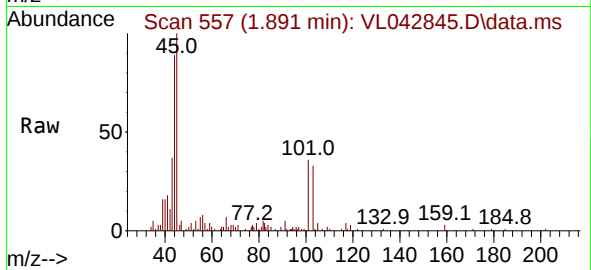




#19
Isopropyl Alcohol
Concen: 0.618 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

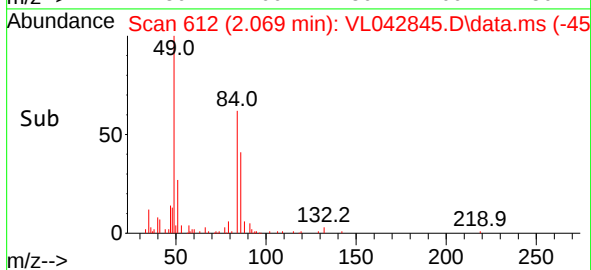
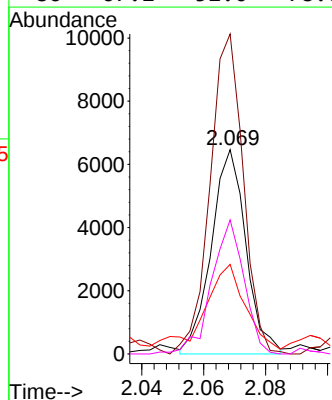
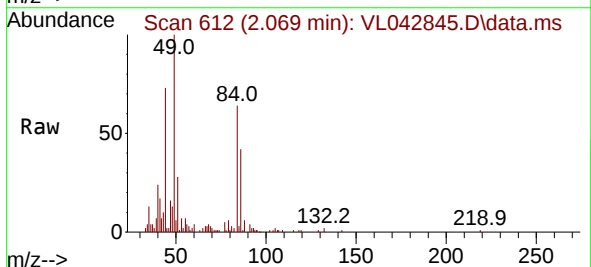
Instrument :
MSVOA_L
ClientSampleId :

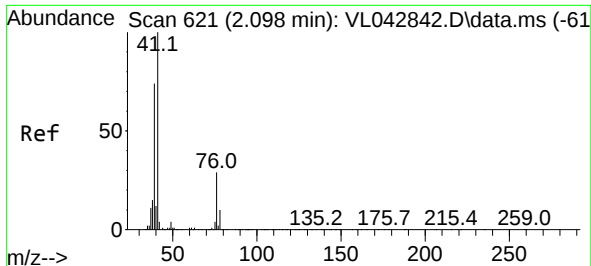
Tgt Ion: 45 Resp: 6194
Ion Ratio Lower Upper
45 100
58 13.3 32.7 49.1#



#20
Methylene Chloride
Concen: 0.715 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

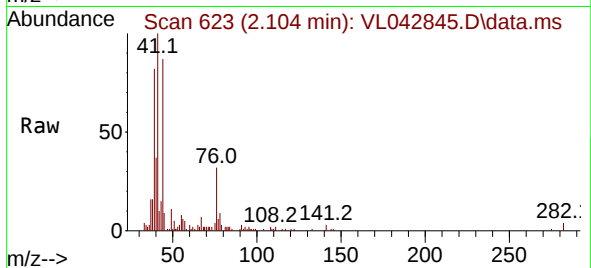
Tgt Ion: 84 Resp: 5025
Ion Ratio Lower Upper
84 100
49 159.3 112.3 168.5
51 42.5 36.0 54.0
86 67.2 52.0 78.0



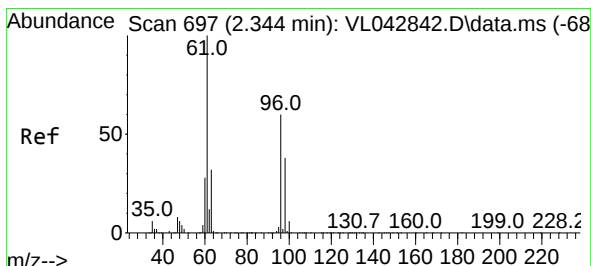
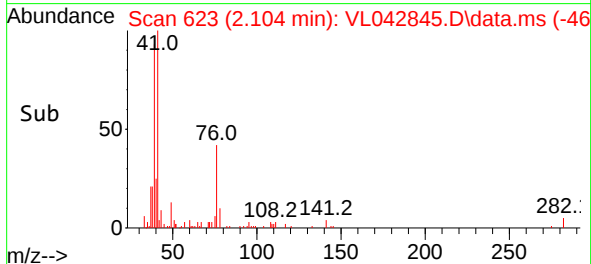
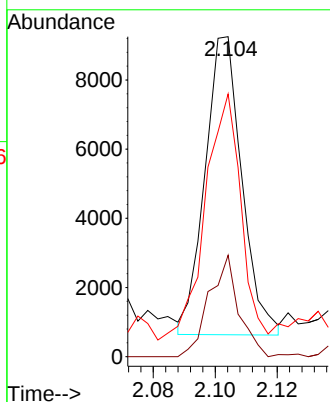


#21
 Allyl Chloride
 Concen: 0.600 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Instrument :
 MSVOA_L
 ClientSampleId :

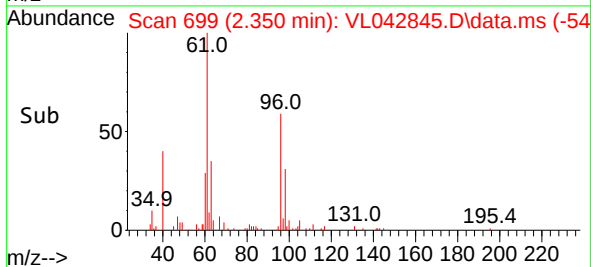
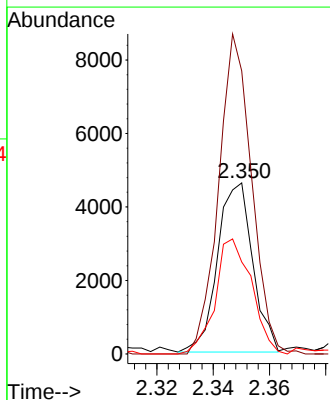
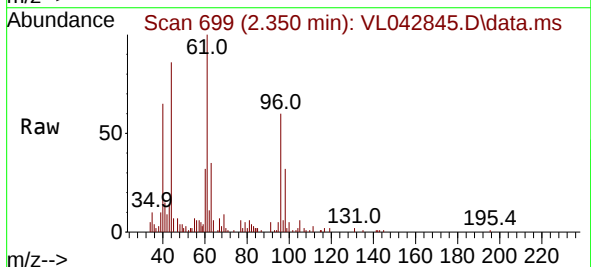


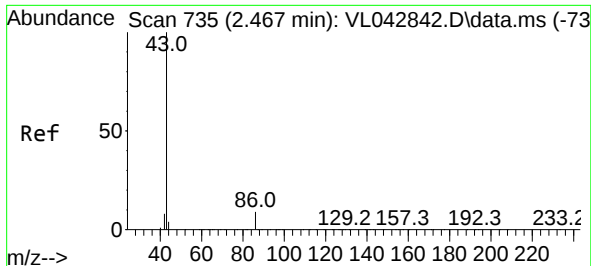
Tgt Ion: 41 Resp: 7120
 Ion Ratio Lower Upper
 41 100
 76 27.8 23.9 35.9
 39 98.9 57.8 86.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.556 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.006 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

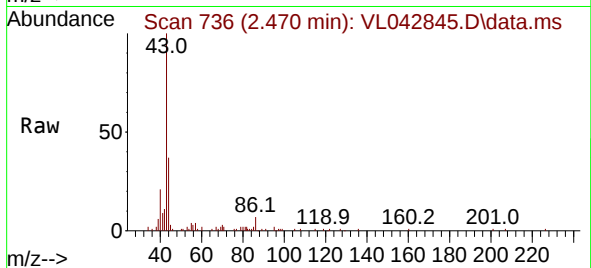
Tgt Ion: 96 Resp: 3996
 Ion Ratio Lower Upper
 96 100
 61 167.3 132.6 199.0
 98 54.4 50.0 75.0





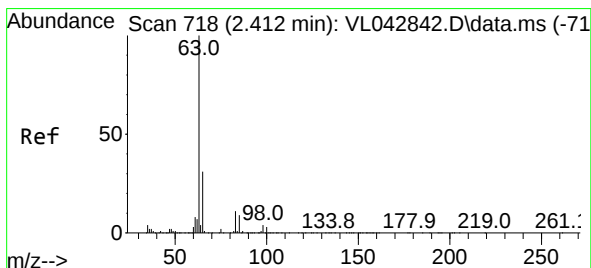
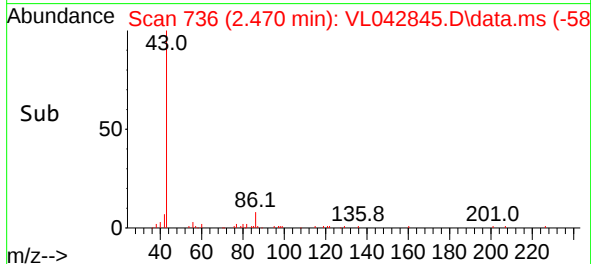
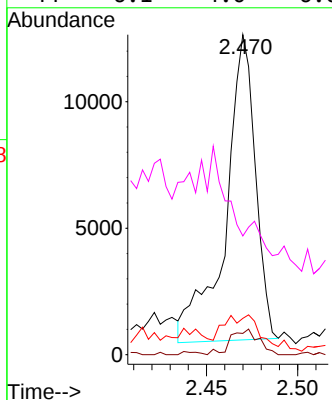
#23
 Vinyl Acetate
 Concen: 0.621 ppbv
 RT: 2.470 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 13709

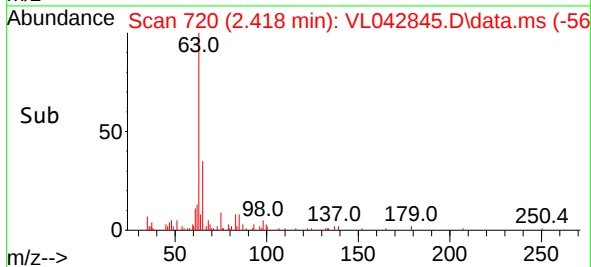
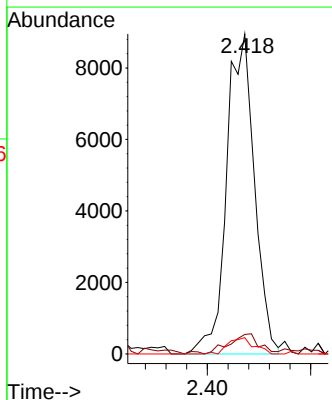
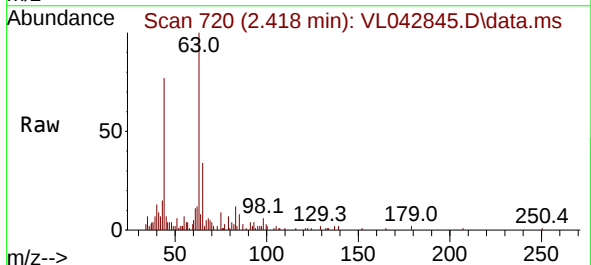
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	9.8
42	9.3	7.0	10.6
44	6.1	4.0	6.0

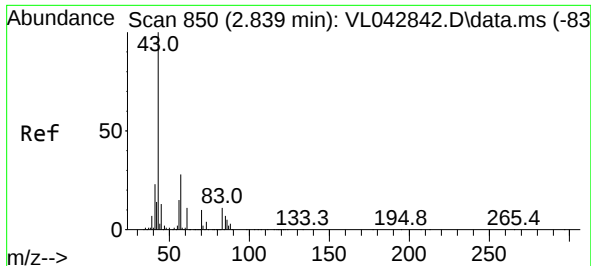


#24
 1,1-Dichloroethane
 Concen: 0.562 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Tgt Ion: 63 Resp: 8354

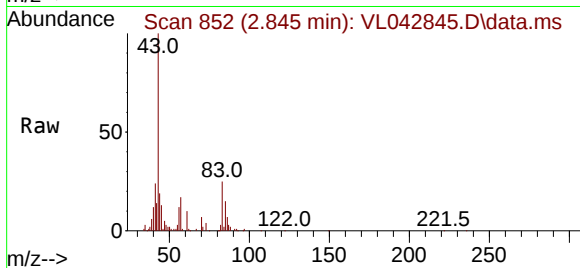
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.1	6.5
100	5.1	1.7	5.1



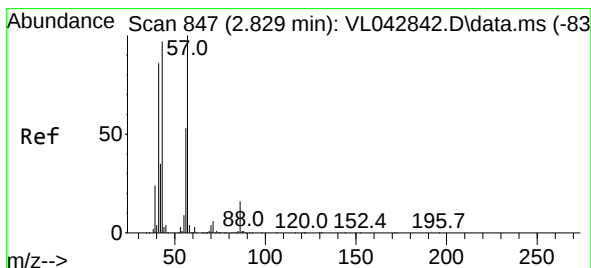
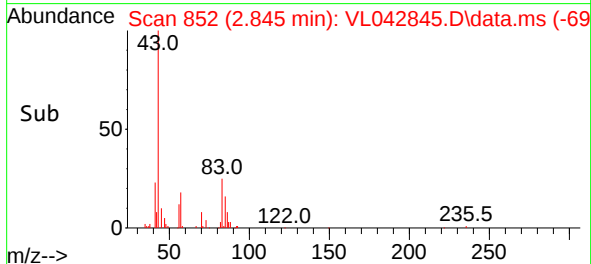
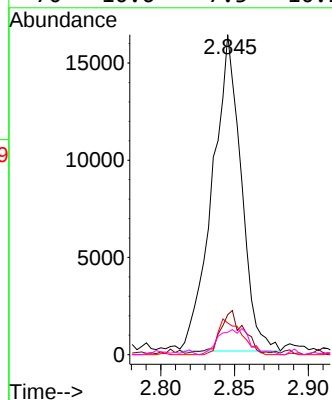


#25
Ethyl Acetate
Concen: 0.545 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :

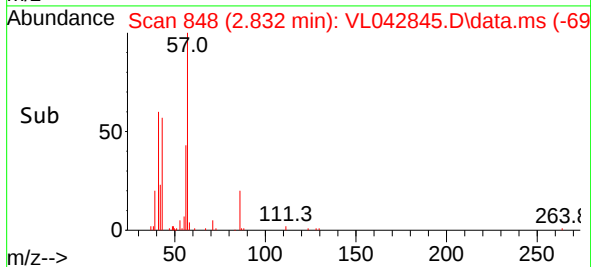
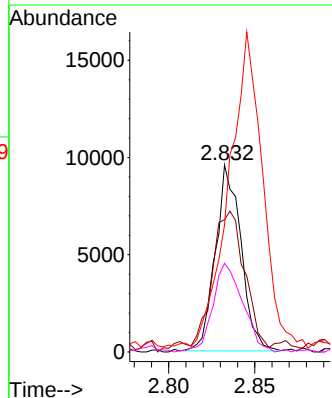
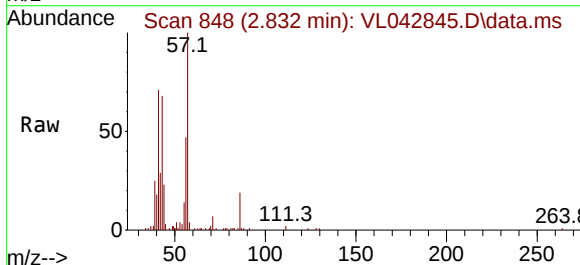


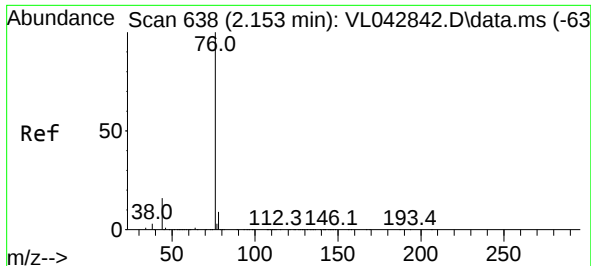
Tgt Ion:	43	Resp:	22148
Ion Ratio	100	Lower	Upper
45	13.2	8.1	12.1#
61	9.4	7.4	11.2
70	10.6	7.3	10.9



#26
Hexane
Concen: 0.527 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:	57	Resp:	9879
Ion Ratio	100	Lower	Upper
41	100.6	68.6	103.0
43	236.9	168.5	252.7
56	56.5	41.5	62.3





#27

Carbon Disulfide

Concen: 0.523 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042845.D

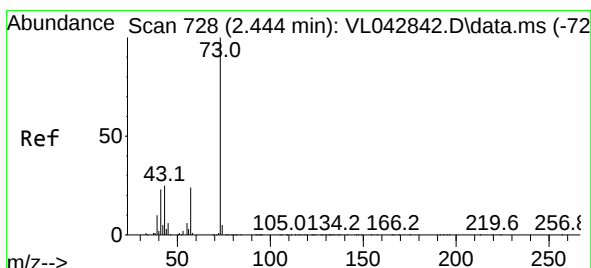
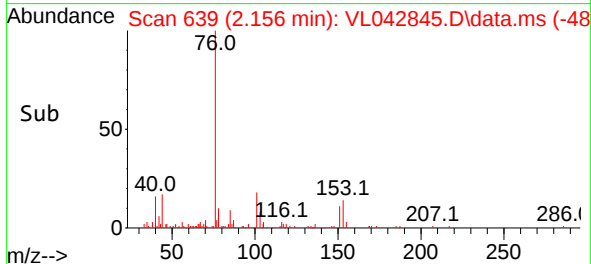
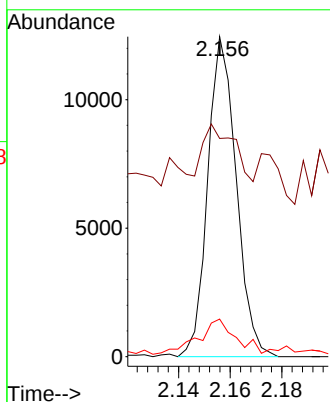
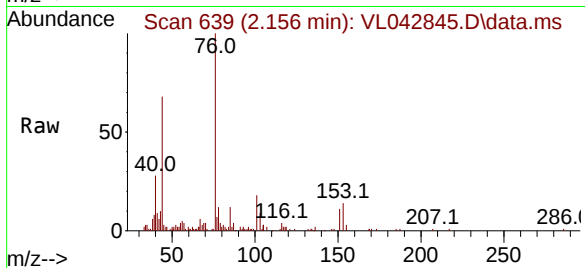
Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76	Resp: 9539
Ion Ratio	Lower Upper
76 100	
44 136.8	15.9 23.9#
78 22.2	9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.553 ppbv

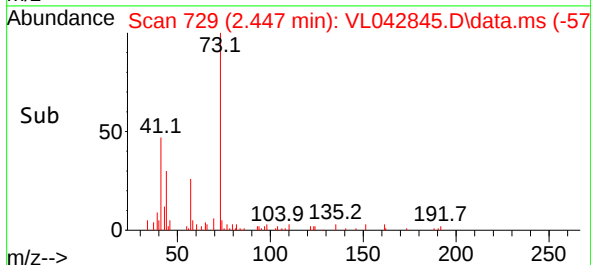
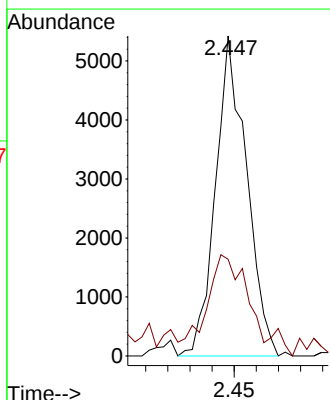
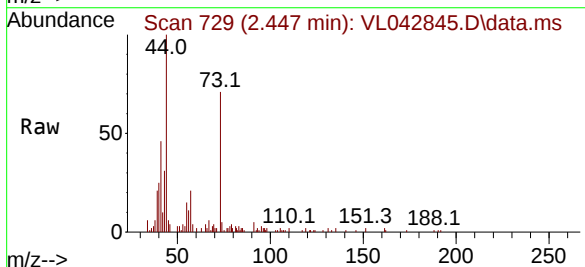
RT: 2.447 min Scan# 729

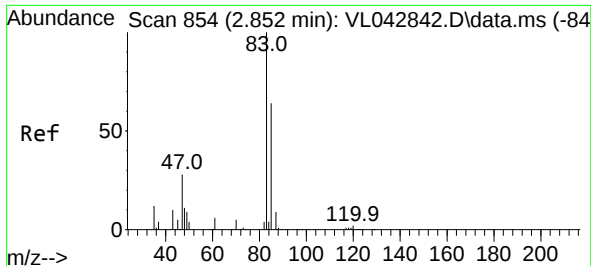
Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion: 73	Resp: 5284
Ion Ratio	Lower Upper
73 100	
57 46.5	21.6 32.4#





#29

Chloroform

Concen: 0.545 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

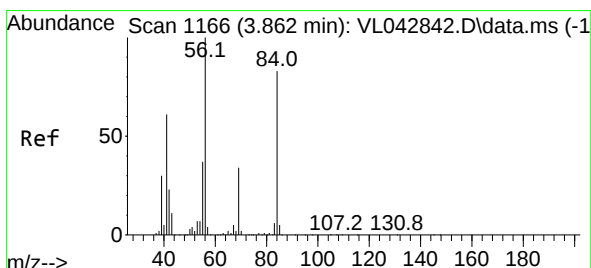
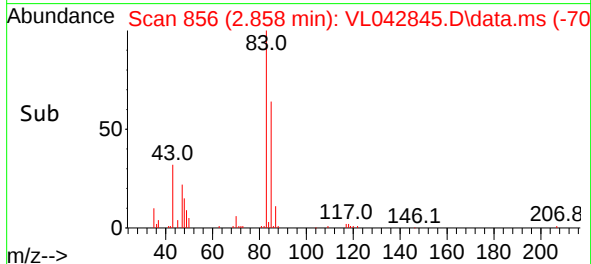
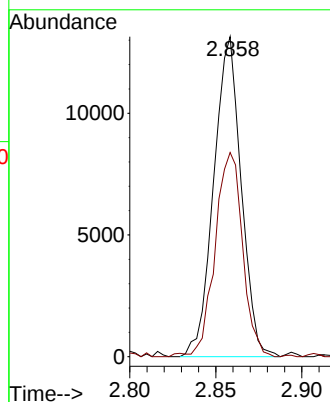
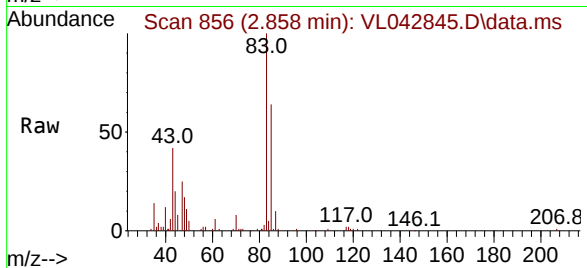
ClientSampleId :

Tgt Ion: 83 Resp: 14586

Ion Ratio Lower Upper

83 100

85 63.8 51.1 76.7



#30

Cyclohexane

Concen: 0.550 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

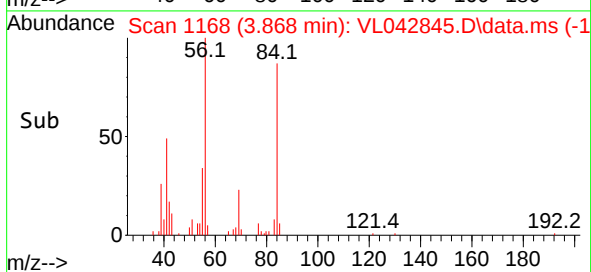
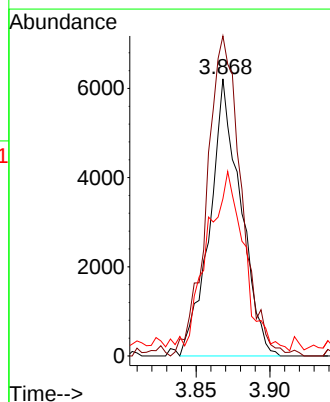
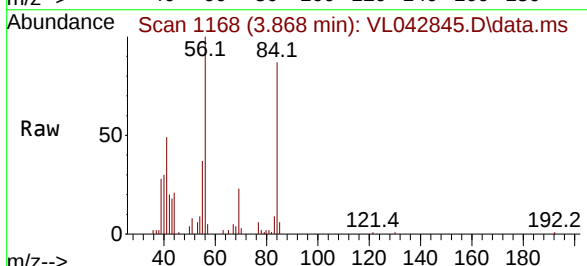
Tgt Ion: 84 Resp: 9037

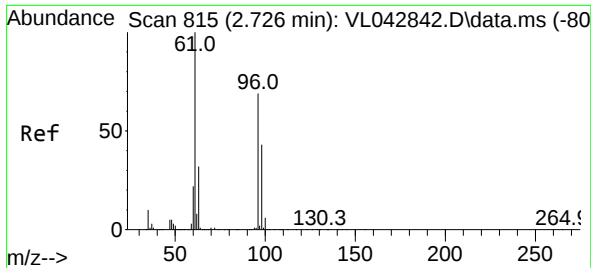
Ion Ratio Lower Upper

84 100

56 131.1 98.8 148.2

41 80.1 61.3 91.9

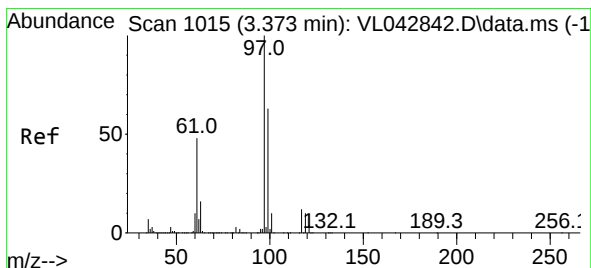
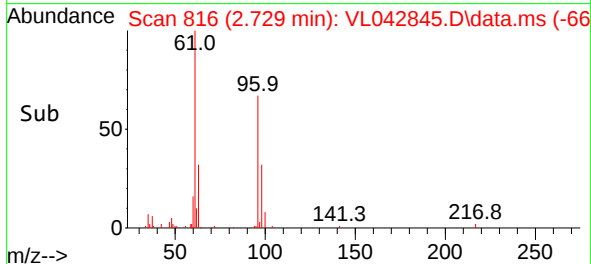
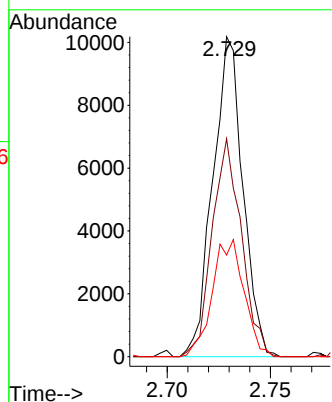
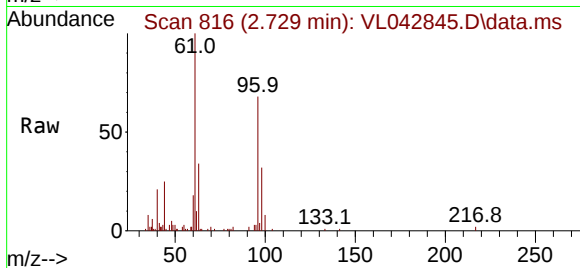




#31
 cis-1,2-Dichloroethene
 Concen: 0.550 ppbv
 RT: 2.729 min Scan# 815
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

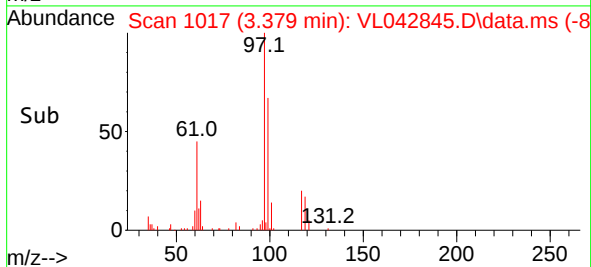
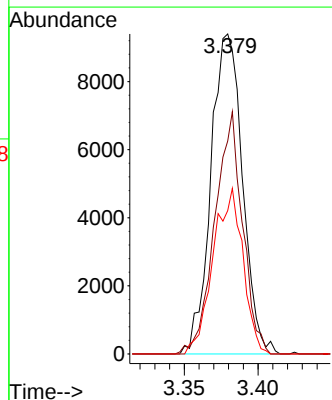
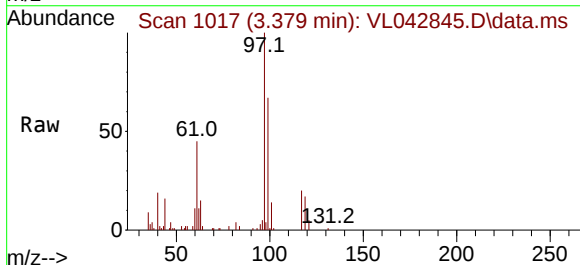
Instrument :
 MSVOA_L
 ClientSampleId :

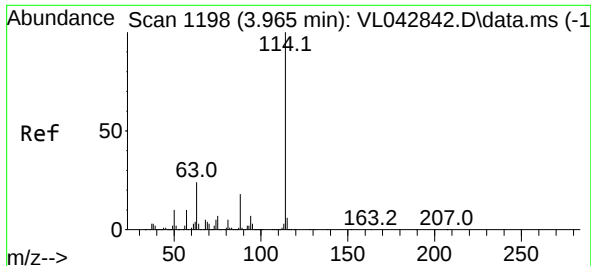
Tgt Ion: 61 Resp: 10308
 Ion Ratio Lower Upper
 61 100
 96 61.7 55.0 82.6
 98 28.7 34.3 51.5#



#32
 1,1,1-Trichloroethane
 Concen: 0.494 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.007 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Tgt Ion: 97 Resp: 14011
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.0 76.6
 61 48.9 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: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

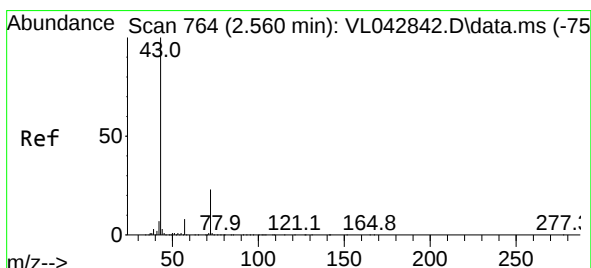
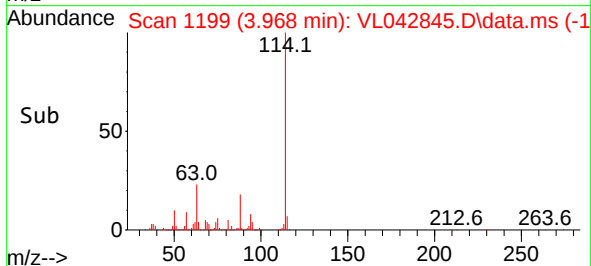
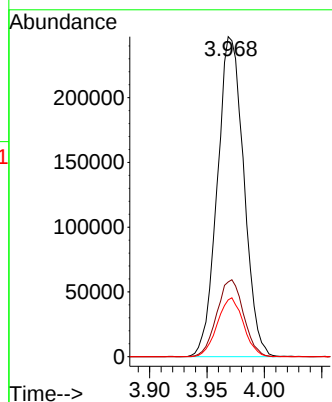
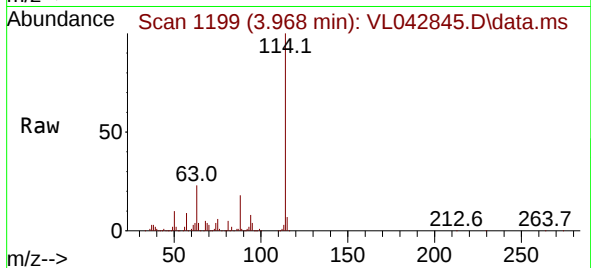
Tgt Ion:114 Resp: 396264

Ion Ratio Lower Upper

114 100

63 24.3 19.7 29.5

88 18.1 14.4 21.6



#34

2-Butanone

Concen: 0.558 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042845.D

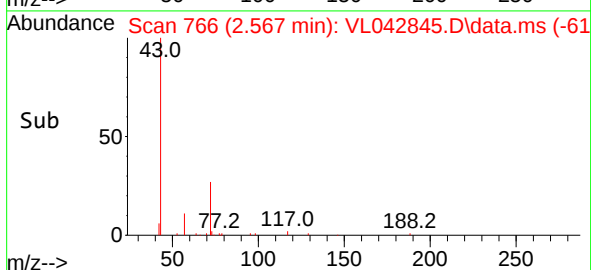
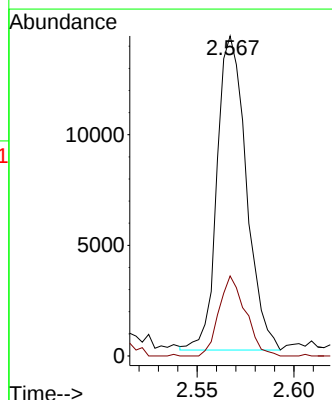
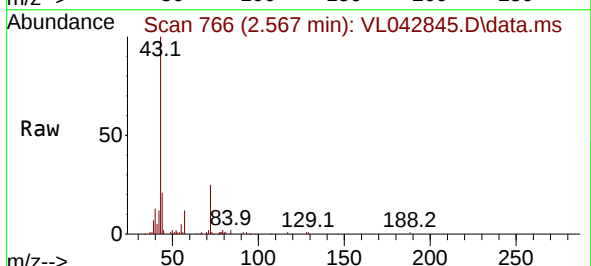
Acq: 13 Aug 2025 10:17

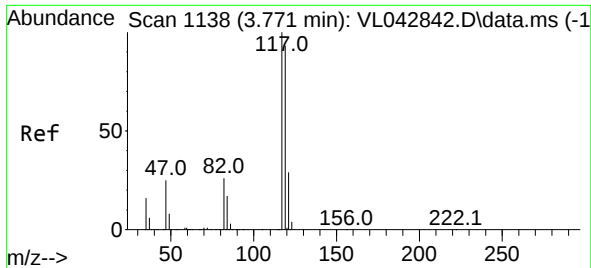
Tgt Ion: 43 Resp: 14923

Ion Ratio Lower Upper

43 100

72 23.3 18.6 28.0

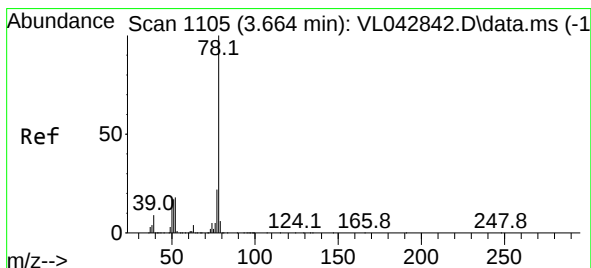
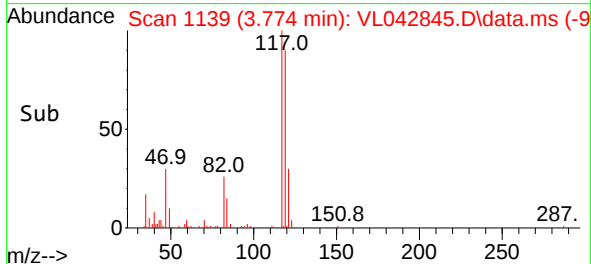
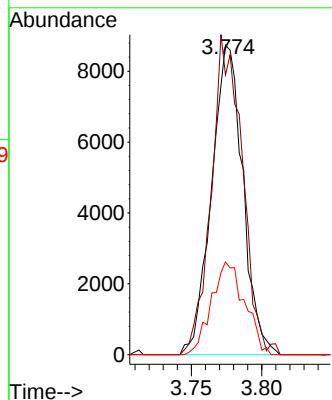
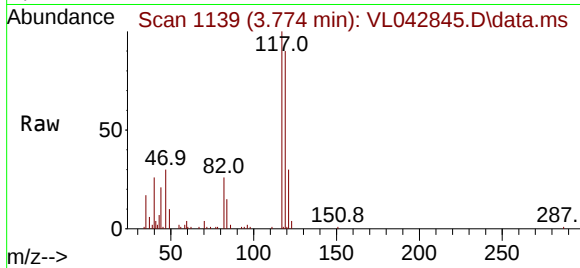




#35
Carbon Tetrachloride
Concen: 0.494 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

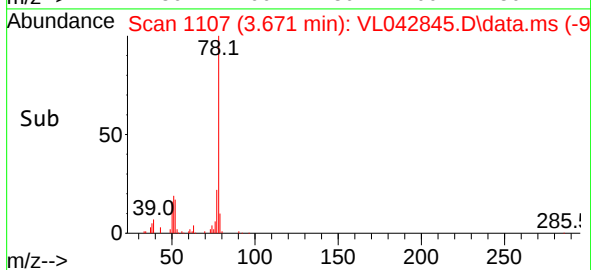
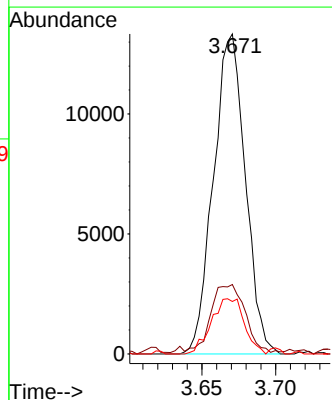
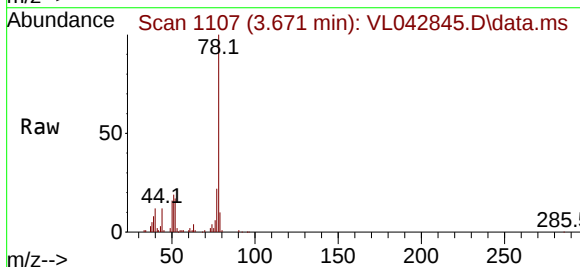
Instrument :
MSVOA_L
ClientSampleId :

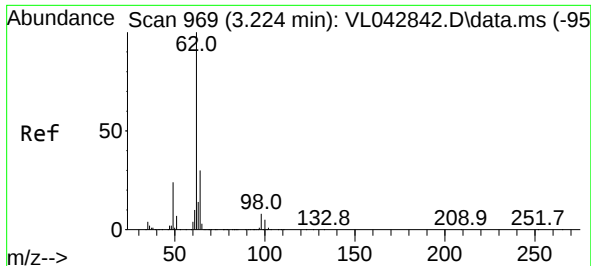
Tgt Ion:117 Resp: 13507
Ion Ratio Lower Upper
117 100
119 90.3 74.7 112.1
121 30.0 23.2 34.8



#36
Benzene
Concen: 0.529 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 78 Resp: 20073
Ion Ratio Lower Upper
78 100
77 21.0 17.7 26.5
50 16.4 13.9 20.9





#37

1,2-Dichloroethane

Concen: 0.512 ppbv

RT: 3.230 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

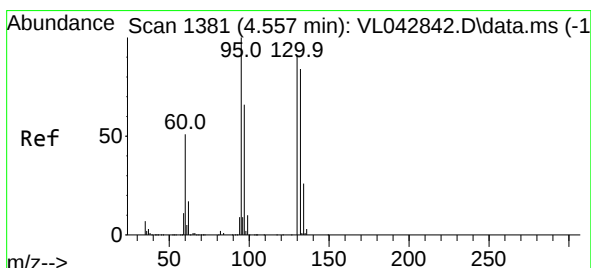
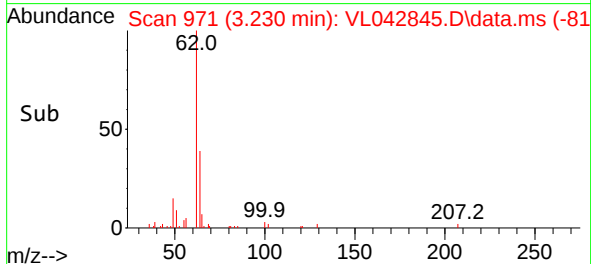
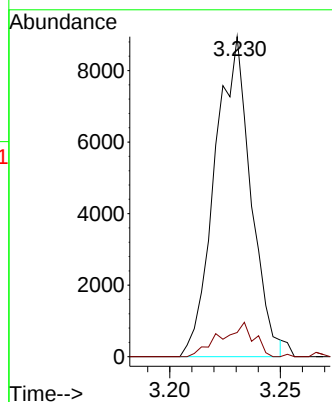
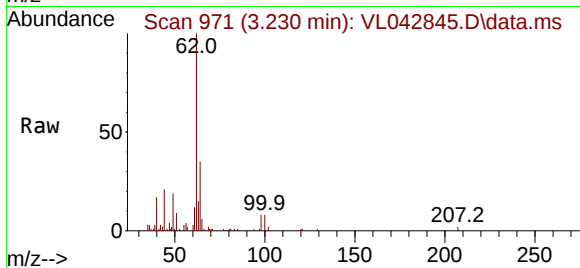
ClientSampleId :

Tgt Ion: 62 Resp: 10141

Ion Ratio Lower Upper

62 100

98 10.0 5.9 8.9#



#38

Trichloroethene

Concen: 0.572 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion:130 Resp: 9918

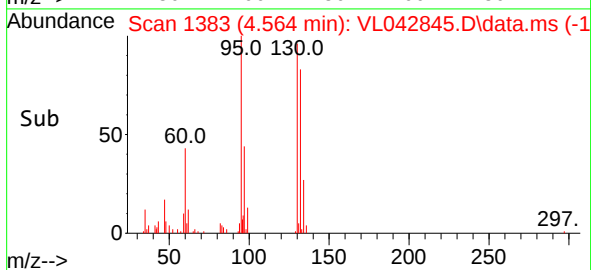
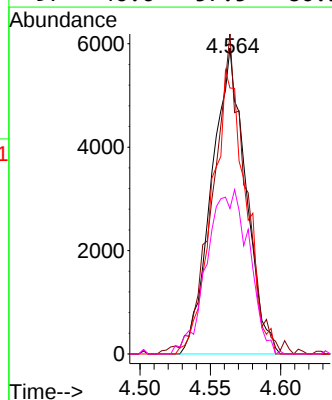
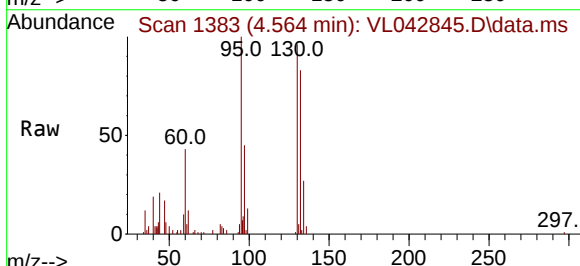
Ion Ratio Lower Upper

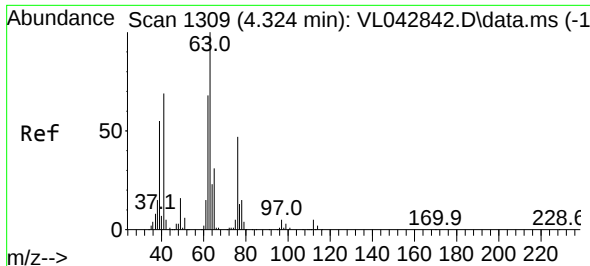
130 100

95 103.5 87.6 131.4

132 86.9 73.8 110.8

97 46.6 57.5 86.3#





#39

1,2-Dichloropropane

Concen: 0.541 ppbv

RT: 4.334 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL042845.D

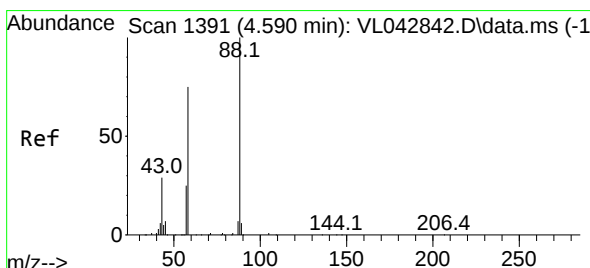
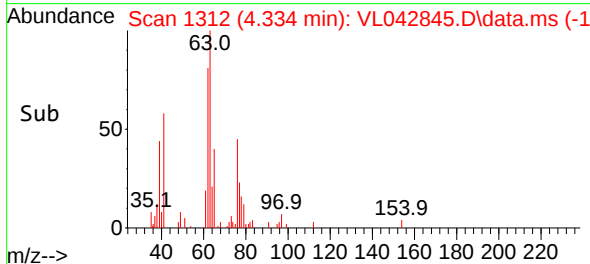
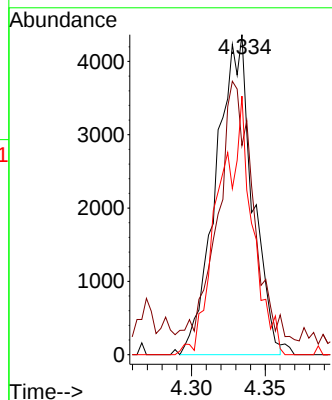
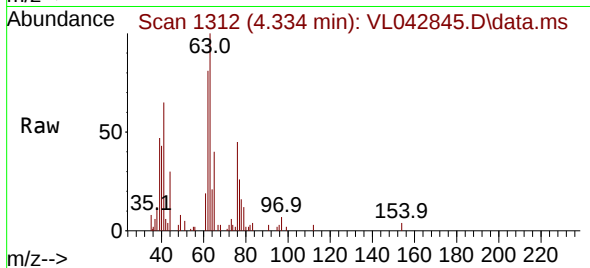
Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 63	Resp: 7491	
Ion Ratio	Lower	Upper
63	100	
41	57.8	55.0 82.4
62	79.7	54.4 81.6



#40

1,4-Dioxane

Concen: 0.318 ppbv

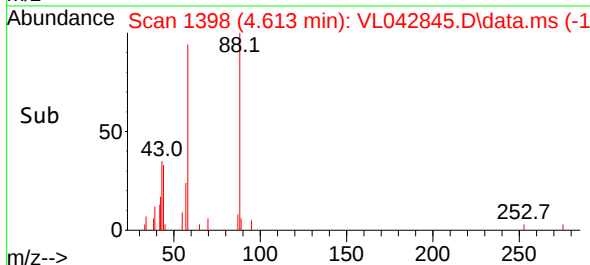
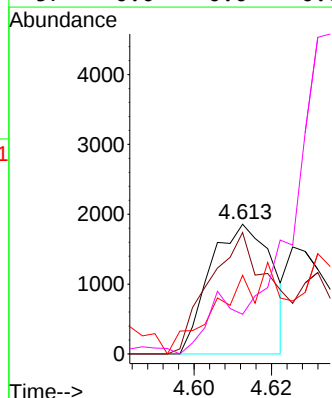
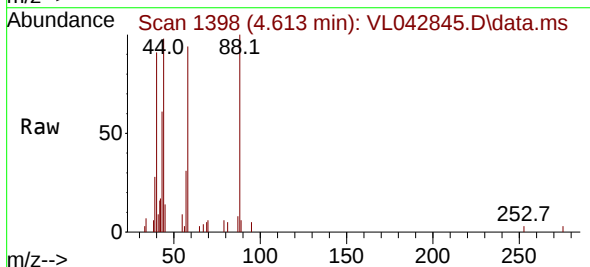
RT: 4.613 min Scan# 1398

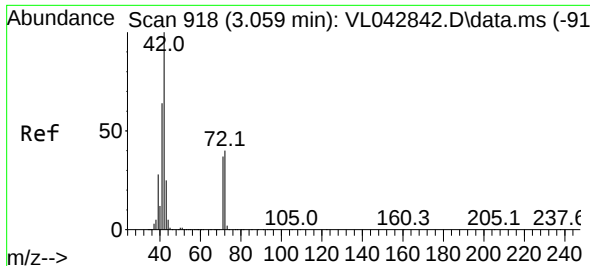
Delta R.T. 0.023 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion: 88	Resp: 2065
Ion Ratio	Lower Upper
88 100	
58 214.7	53.8 80.6#
43 0.0	22.8 34.2#
57 0.0	0.0 0.0

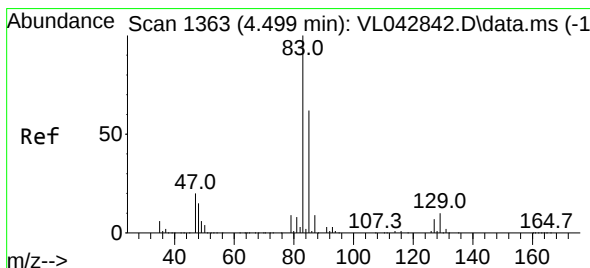
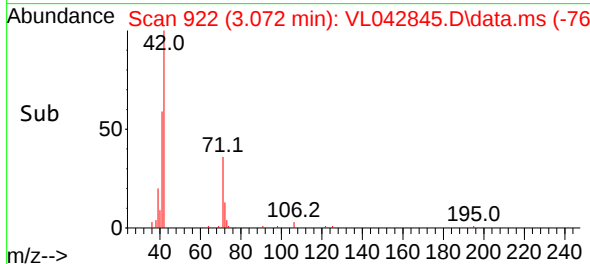
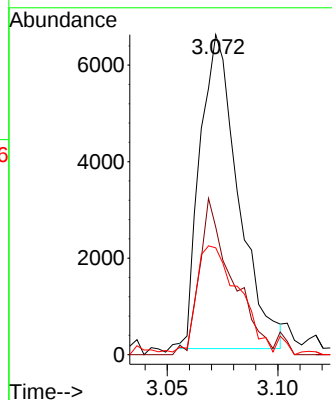
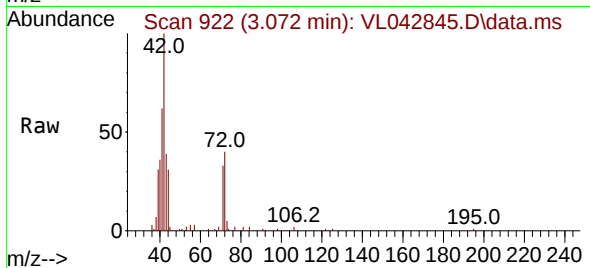




#41
Tetrahydrofuran
Concen: 0.525 ppbv
RT: 3.072 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

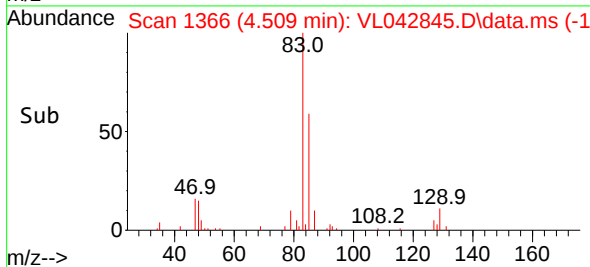
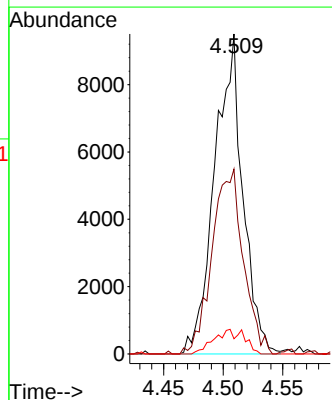
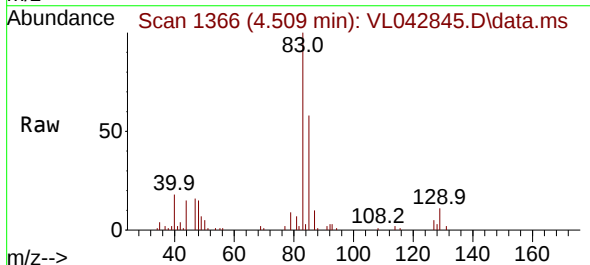
Instrument :
MSVOA_L
ClientSampleId :

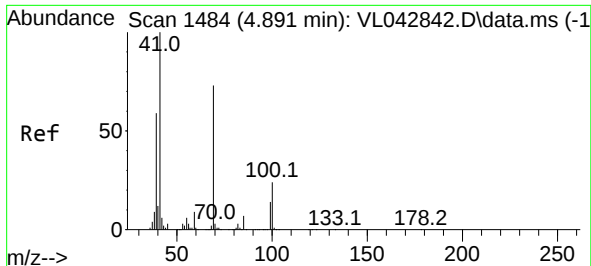
Tgt Ion: 42 Resp: 7827
Ion Ratio Lower Upper
42 100
72 44.5 32.6 48.8
71 42.0 30.0 45.0



#42
Bromodichloromethane
Concen: 0.527 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 83 Resp: 15580
Ion Ratio Lower Upper
83 100
85 57.7 49.8 74.8
127 4.7 5.8 8.6#

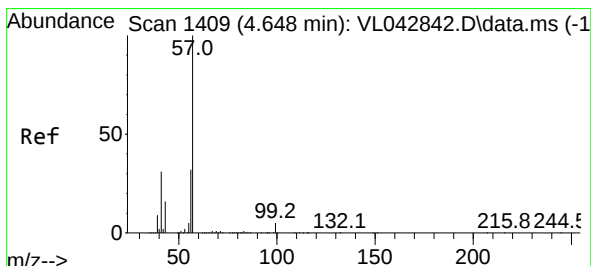
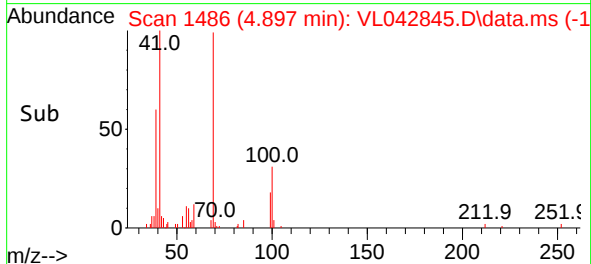
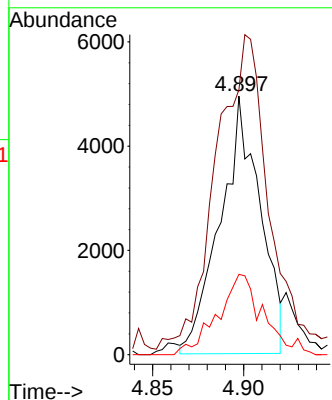
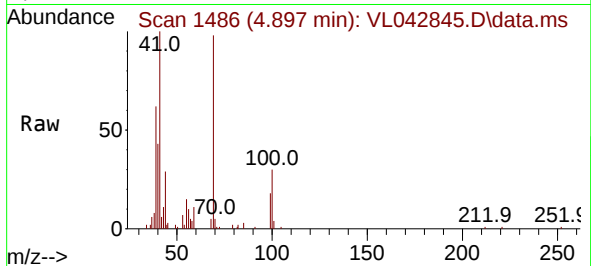




#43
Methyl Methacrylate
Concen: 0.484 ppbv
RT: 4.897 min Scan# 1410
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

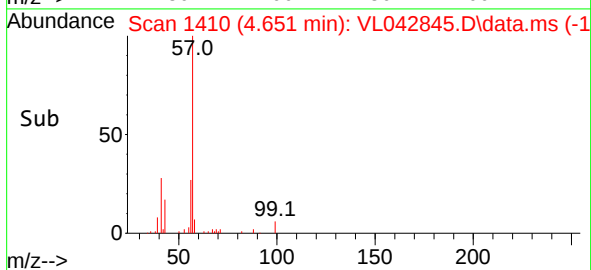
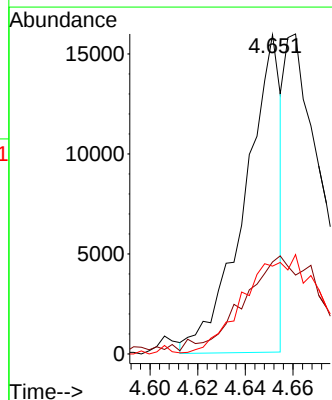
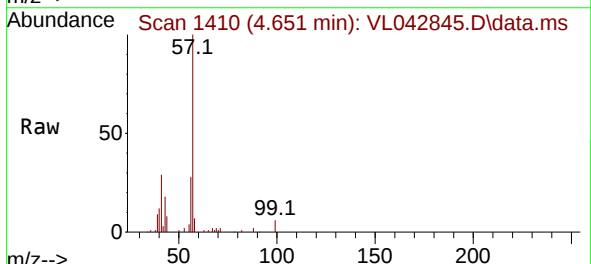
Instrument :
MSVOA_L
ClientSampleId :

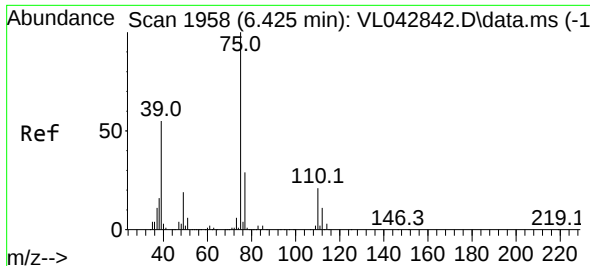
Tgt Ion: 69 Resp: 7529
Ion Ratio Lower Upper
69 100
41 158.8 114.6 172.0
100 35.6 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 0.263 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 57 Resp: 16770
Ion Ratio Lower Upper
57 100
41 65.8 24.8 37.2#
56 0.0 25.5 38.3#





#45

t-1,3-Dichloropropene

Concen: 0.312 ppbv

RT: 6.435 min Scan# 1958

Delta R.T. 0.010 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

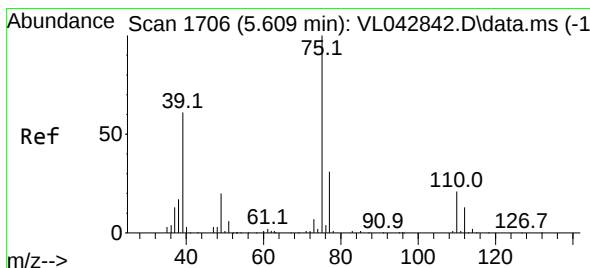
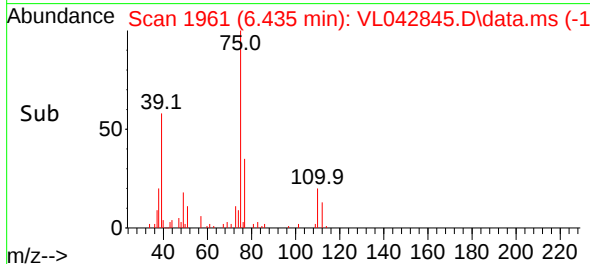
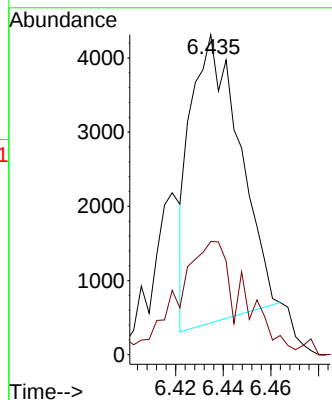
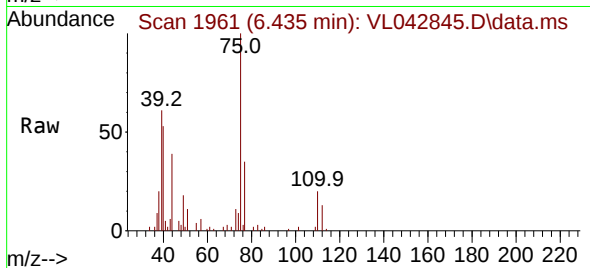
ClientSampleId :

Tgt Ion: 75 Resp: 5507

Ion Ratio Lower Upper

75 100

77 35.4 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 0.221 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

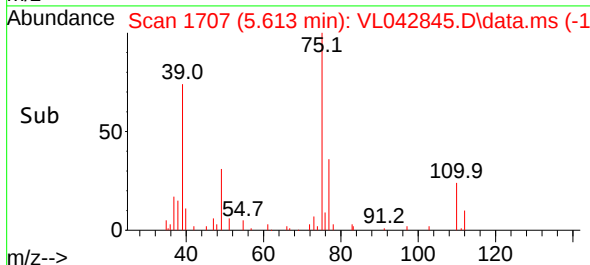
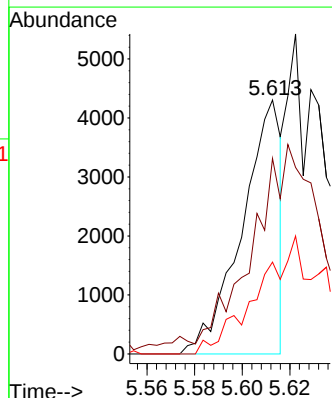
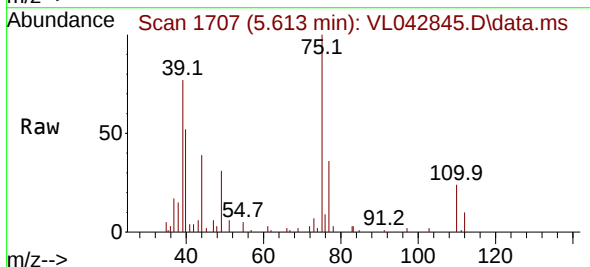
Tgt Ion: 75 Resp: 4895

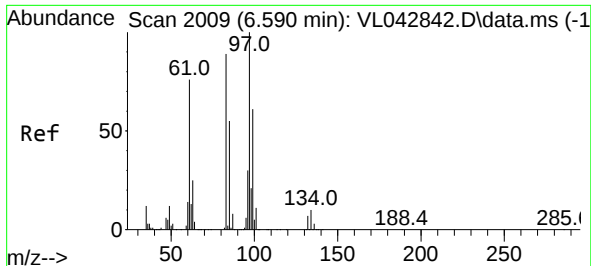
Ion Ratio Lower Upper

75 100

39 70.0 48.9 73.3

77 36.2 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 0.214 ppbv

RT: 6.597 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 3140

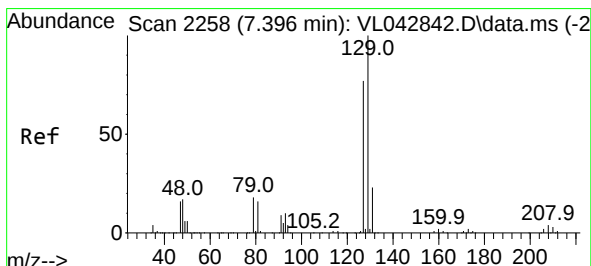
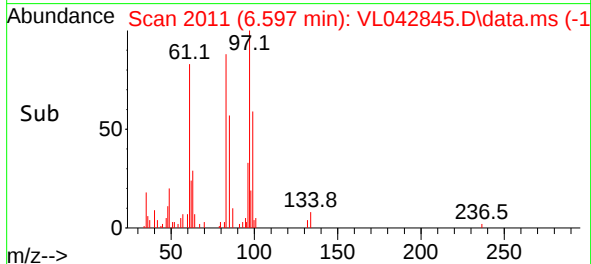
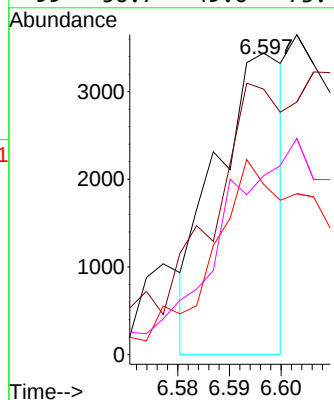
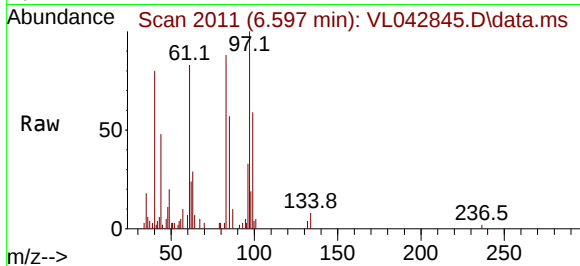
Ion Ratio Lower Upper

97 100

83 74.9 71.0 106.4

85 59.0 43.6 65.4

99 56.7 49.0 73.4



#48

Dibromochloromethane

Concen: 0.497 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. 0.010 min

Lab File: VL042845.D

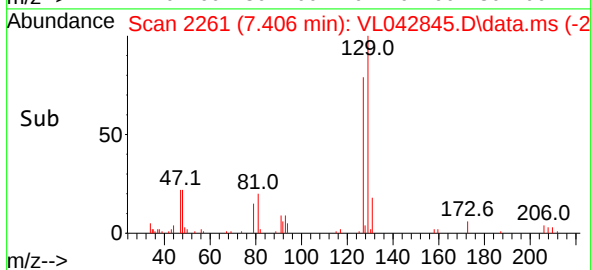
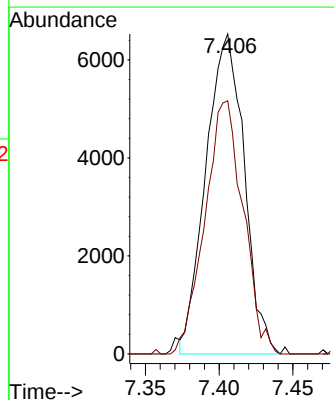
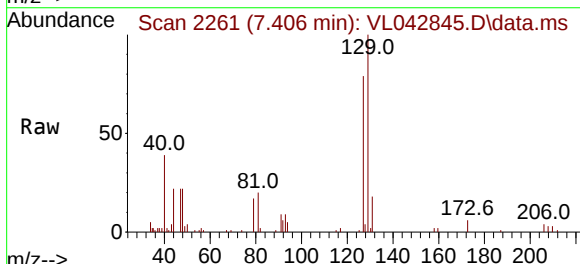
Acq: 13 Aug 2025 10:17

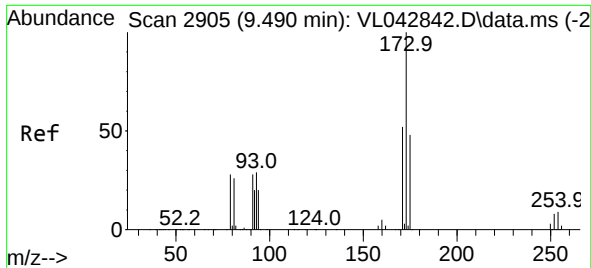
Tgt Ion: 129 Resp: 11805

Ion Ratio Lower Upper

129 100

127 79.1 39.4 118.2

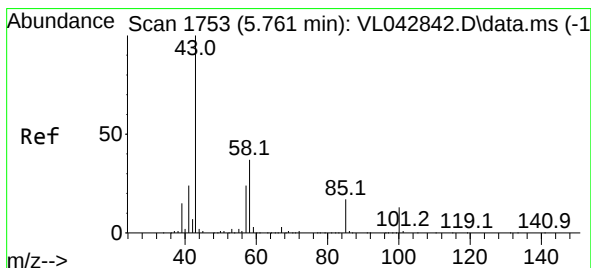
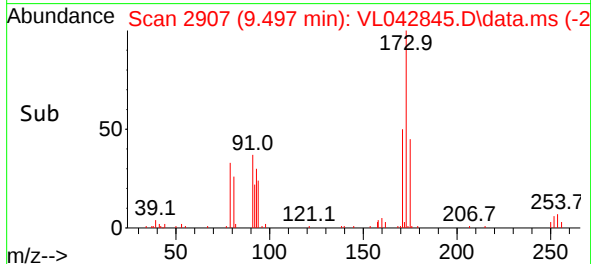
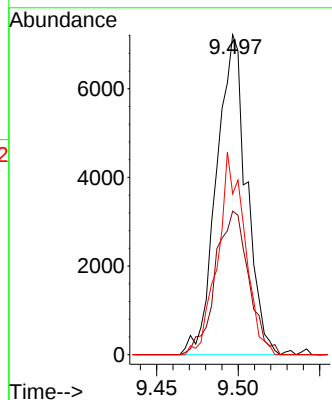
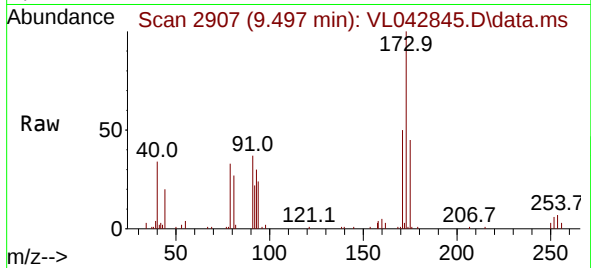




#49
Bromoform
Concen: 0.471 ppbv
RT: 9.497 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

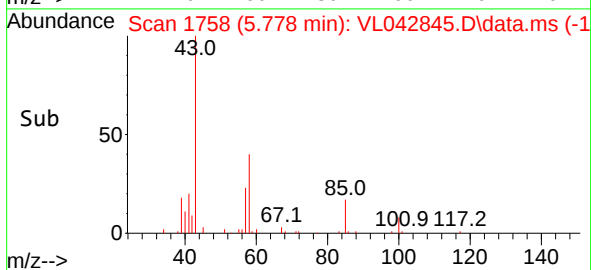
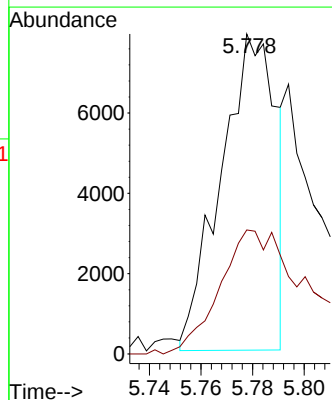
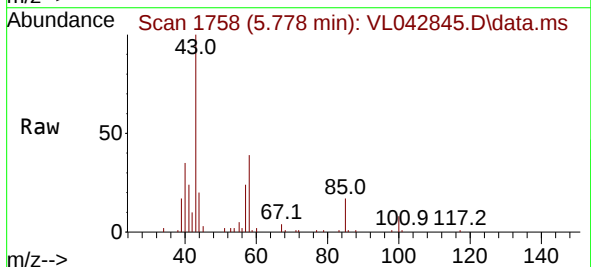
Instrument :
MSVOA_L
ClientSampleId :

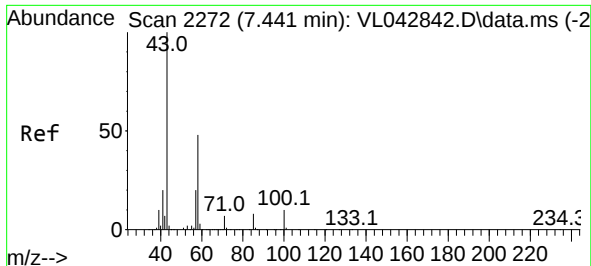
Tgt Ion:173 Resp: 9232
Ion Ratio Lower Upper
173 100
175 49.9 39.2 58.8
171 57.0 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 0.321 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 11657
Ion Ratio Lower Upper
43 100
58 66.0 29.8 44.8#

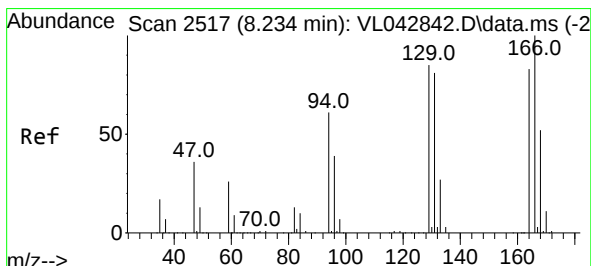
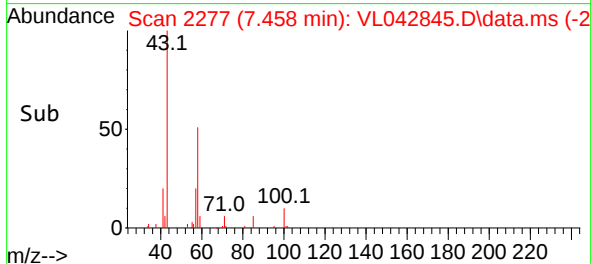
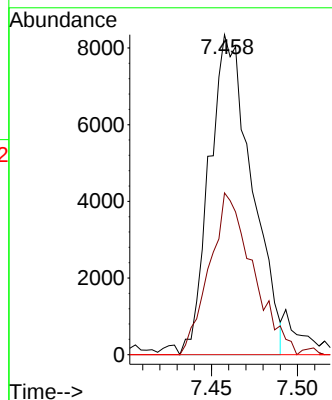
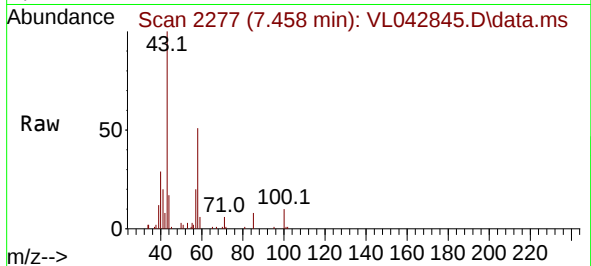




#51
2-Hexanone
Concen: 0.503 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

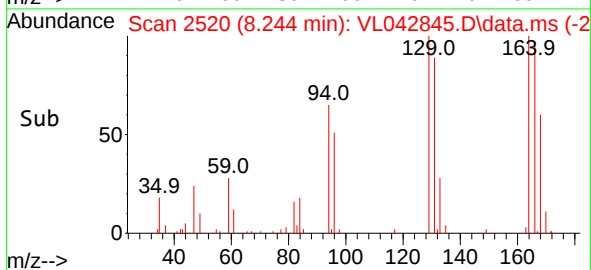
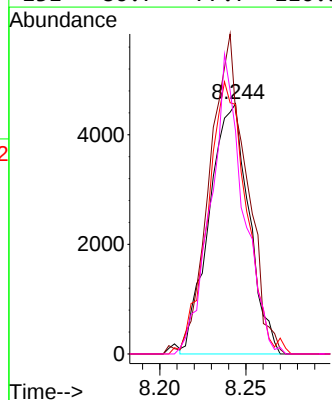
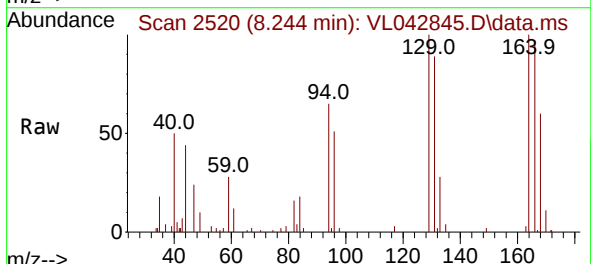
Instrument :
MSVOA_L
ClientSampleId :

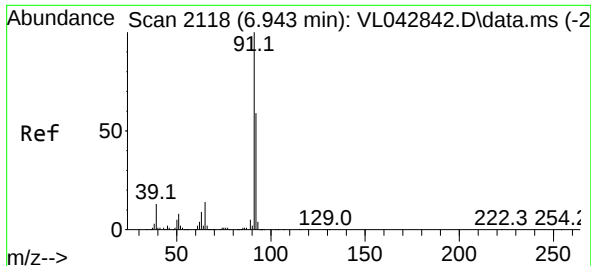
Tgt Ion: 43 Resp: 14329
Ion Ratio Lower Upper
43 100
58 52.3 41.0 61.6
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:164 Resp: 7304
Ion Ratio Lower Upper
164 100
166 95.1 96.5 144.7#
129 98.0 81.8 122.6
131 86.7 77.7 116.5

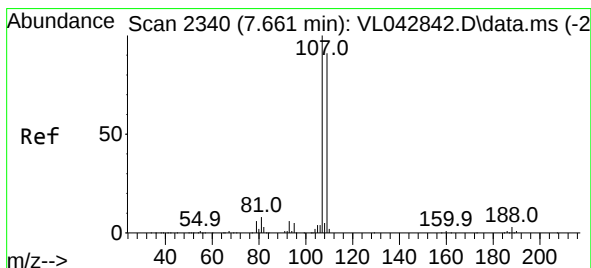
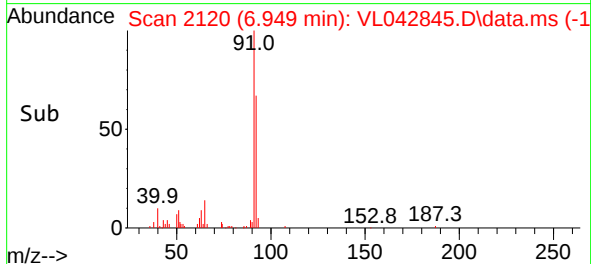
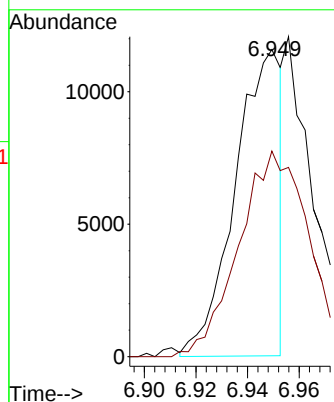
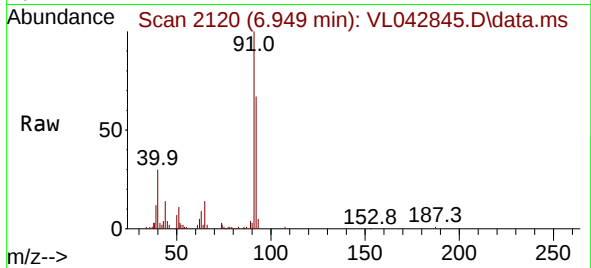




#53
Toluene
Concen: 0.318 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

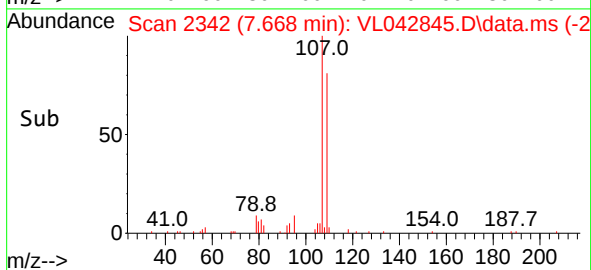
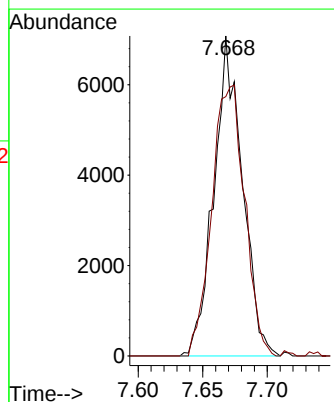
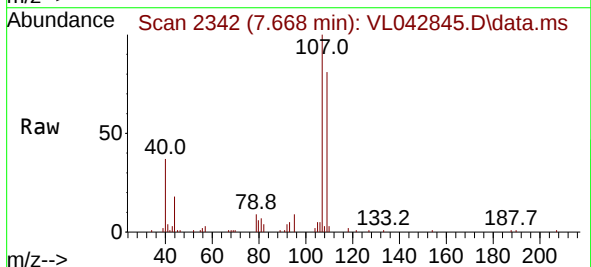
Instrument :
MSVOA_L
ClientSampleId :

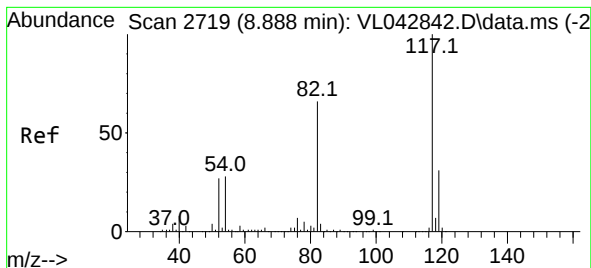
Tgt Ion: 91 Resp: 14358
Ion Ratio Lower Upper
91 100
92 104.5 47.8 71.6#



#54
1,2-Dibromoethane
Concen: 0.507 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 107 Resp: 10873
Ion Ratio Lower Upper
107 100
109 81.0 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2719

Delta R.T. 0.007 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

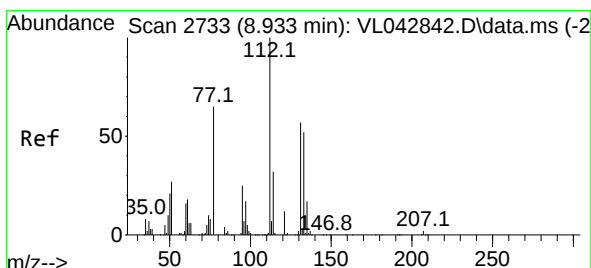
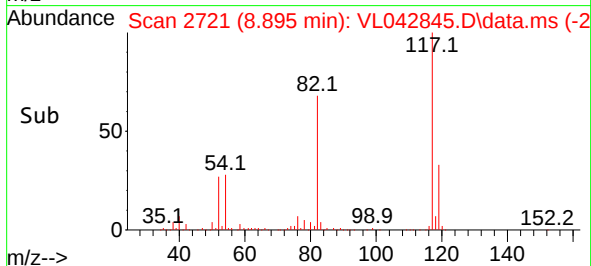
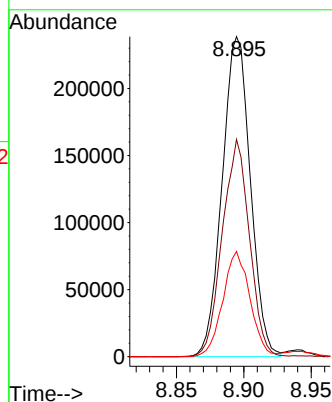
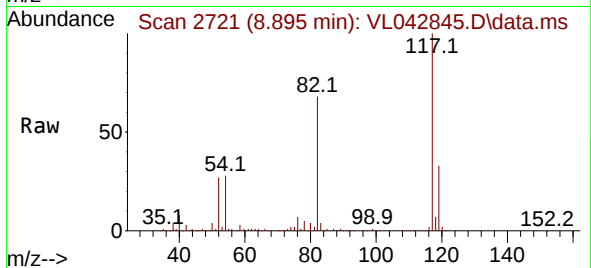
Tgt Ion:117 Resp: 348005

Ion Ratio Lower Upper

117 100

82 65.4 54.6 81.8

119 33.4 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 0.517 ppbv

RT: 8.940 min Scan# 2735

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

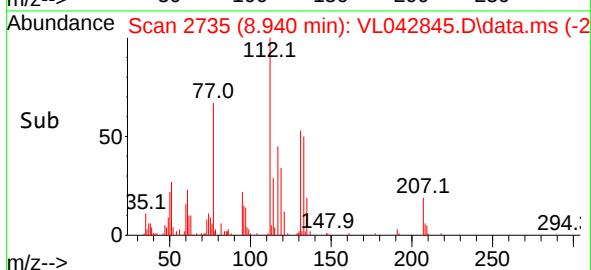
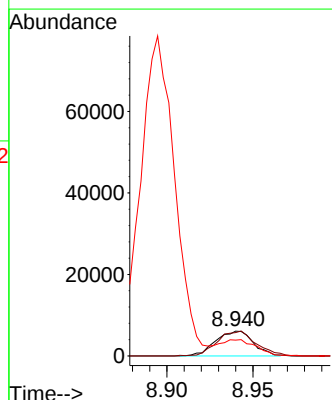
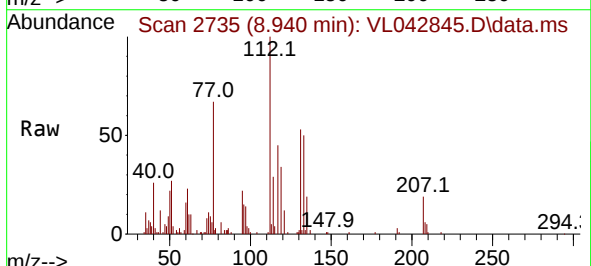
Tgt Ion:131 Resp: 9300

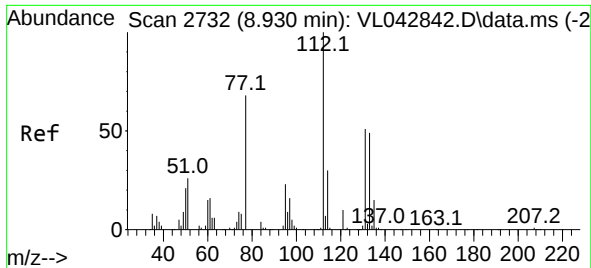
Ion Ratio Lower Upper

131 100

133 102.5 77.4 116.0

119 1250.4 51.2 76.8#

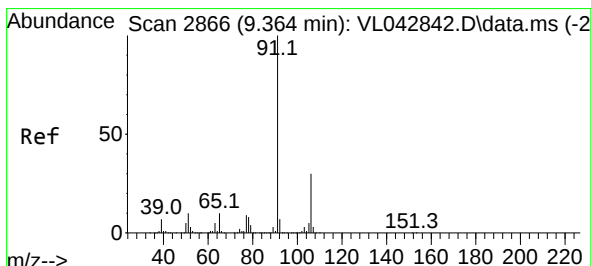
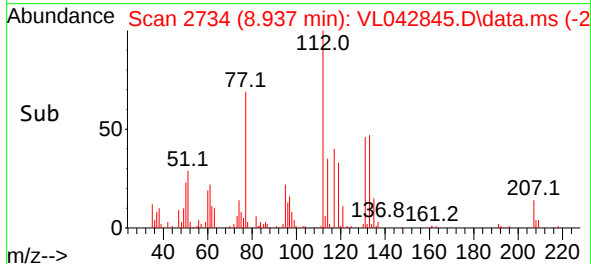
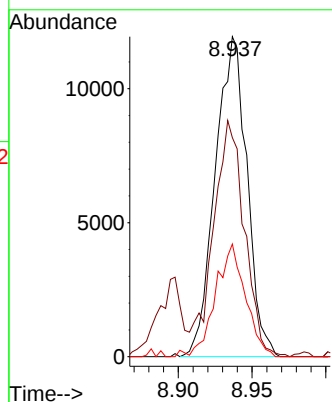
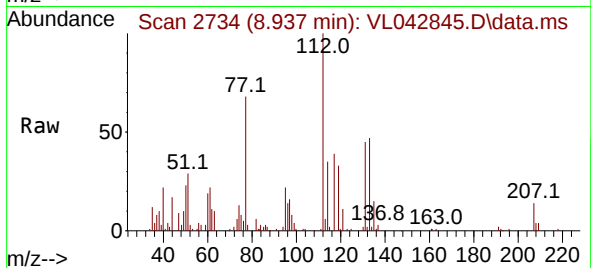




#57
Chlorobenzene
Concen: 0.539 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

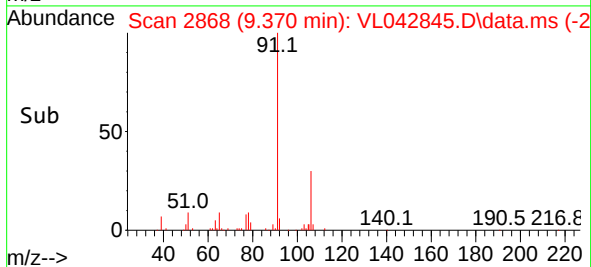
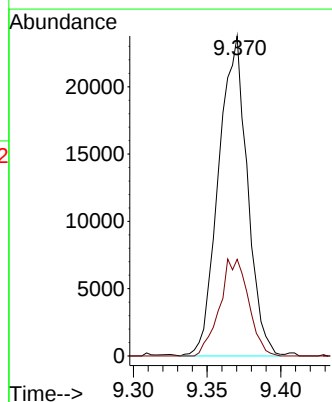
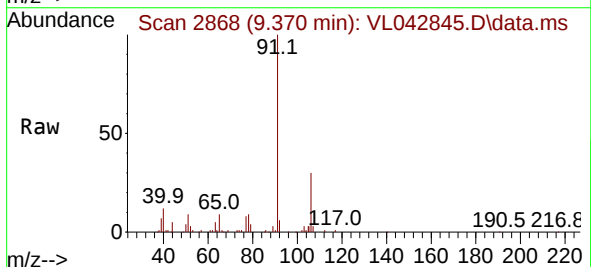
Instrument :
MSVOA_L
ClientSampleId :

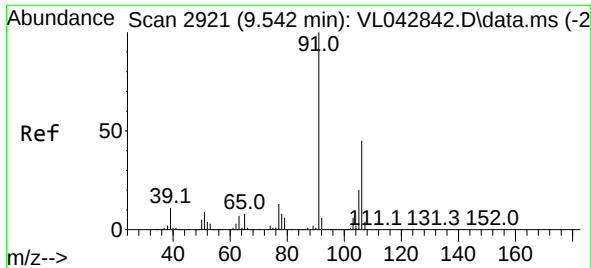
Tgt Ion:112 Resp: 17845
Ion Ratio Lower Upper
112 100
77 67.8 55.5 83.3
114 35.2 27.2 33.2#



#58
Ethyl Benzene
Concen: 0.525 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 32261
Ion Ratio Lower Upper
91 100
106 30.2 23.9 35.9

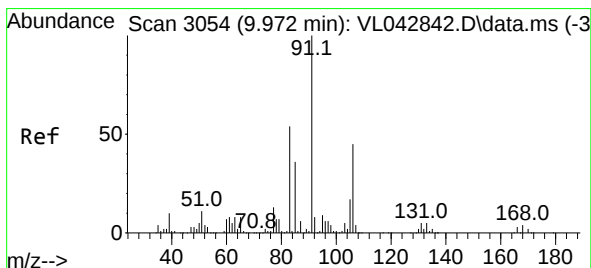
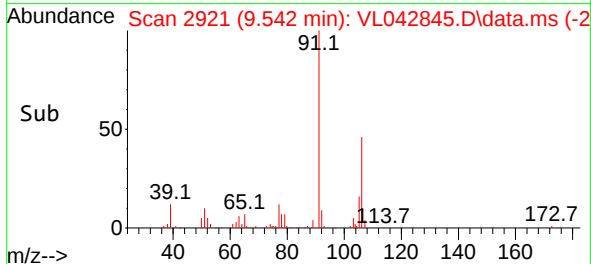
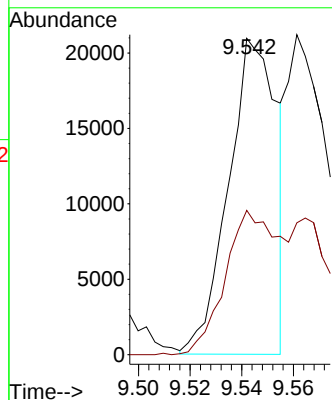
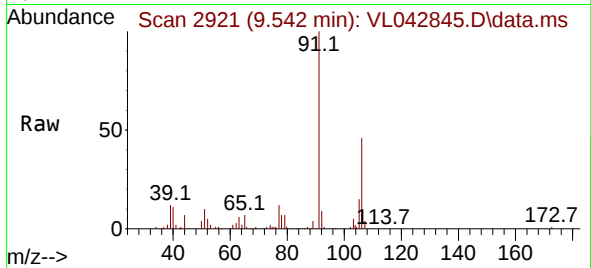




#59
m/p-Xylene
Concen: 0.561 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

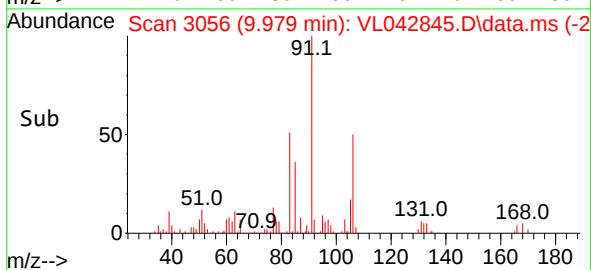
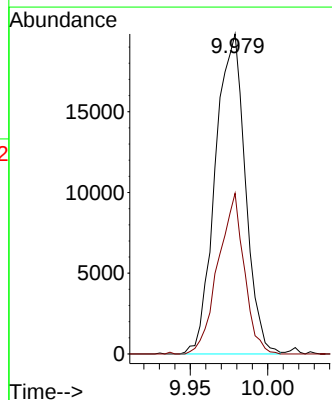
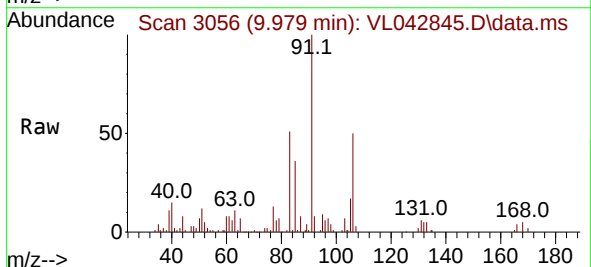
Instrument :
MSVOA_L
ClientSampleId :

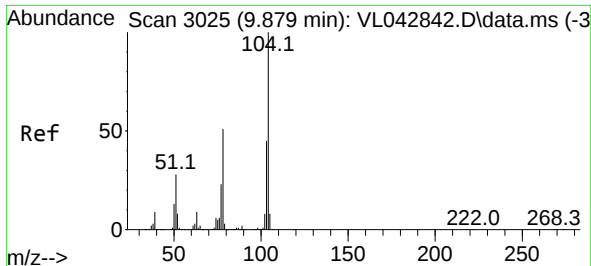
Tgt Ion: 91 Resp: 27059
Ion Ratio Lower Upper
91 100
106 87.4 0.0 0.0#



#60
o-Xylene
Concen: 0.551 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 26662
Ion Ratio Lower Upper
91 100
106 43.8 21.8 65.4

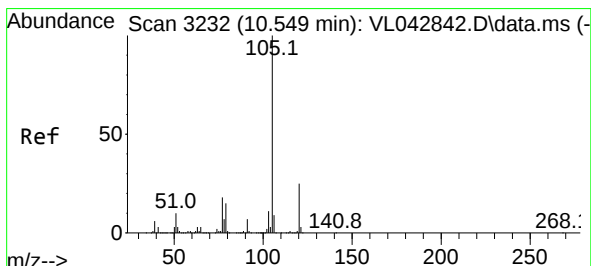
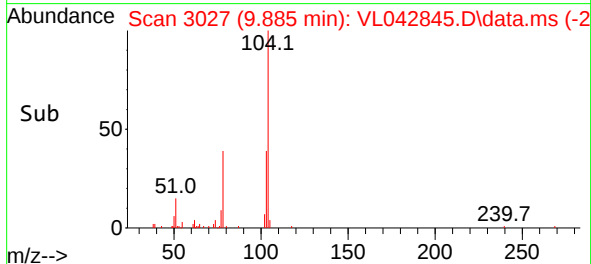
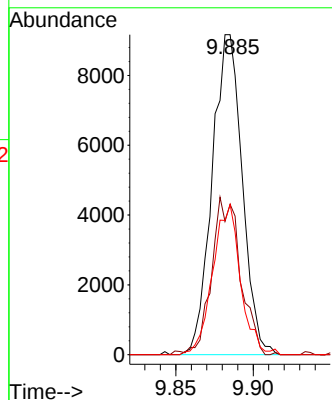
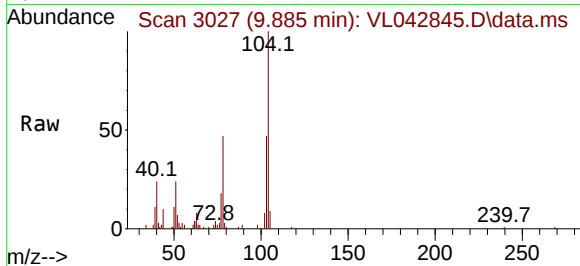




#61
Styrene
Concen: 0.546 ppbv
RT: 9.885 min Scan# 3025
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

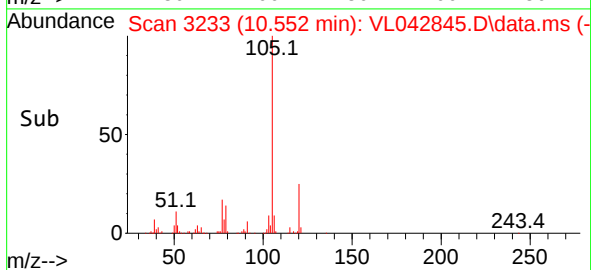
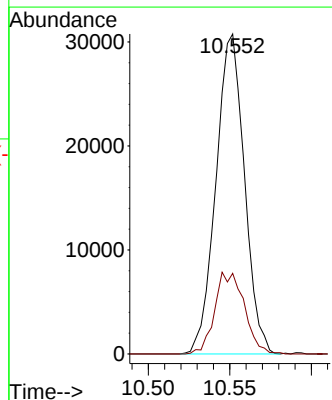
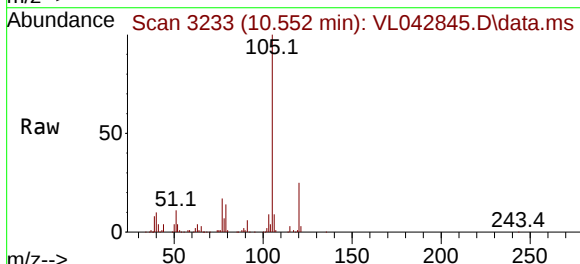
Instrument :
MSVOA_L
ClientSampleId :

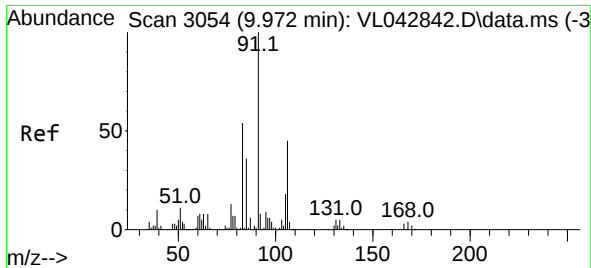
Tgt Ion:104 Resp: 12379
Ion Ratio Lower Upper
104 100
78 47.4 40.6 61.0
103 43.4 37.7 56.5



#62
Isopropylbenzene
Concen: 0.529 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 37401
Ion Ratio Lower Upper
105 100
120 26.5 20.6 30.8

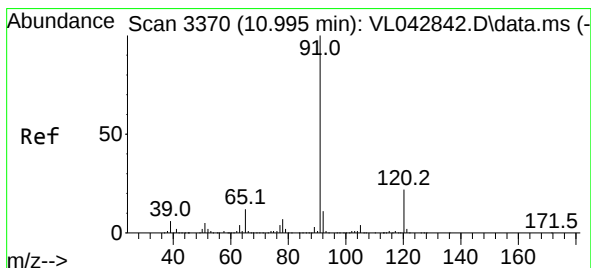
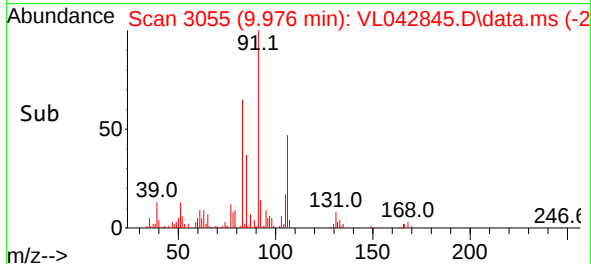
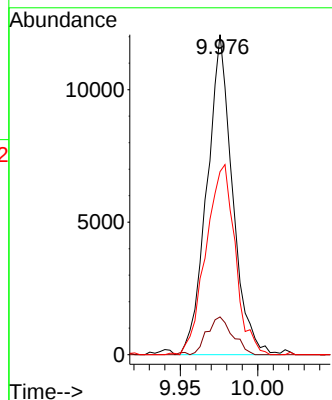
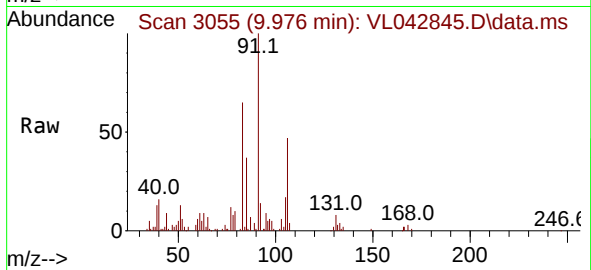




#63
1,1,2,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

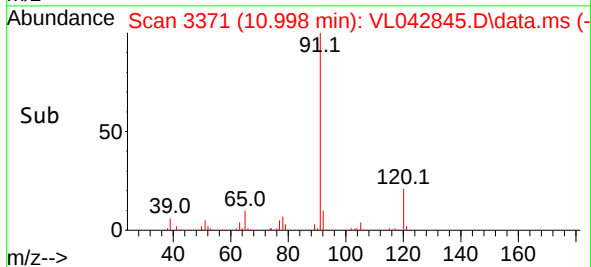
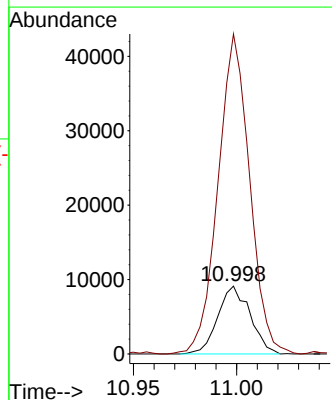
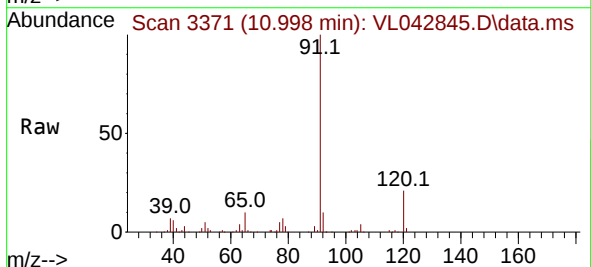
Instrument :
MSVOA_L
ClientSampleId :

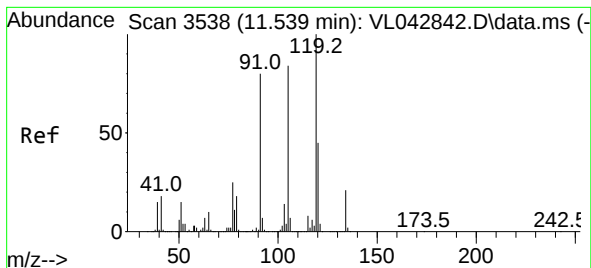
Tgt Ion: 83 Resp: 13828
Ion Ratio Lower Upper
83 100
131 12.0 4.8 14.3
85 68.3 32.3 96.8



#64
n-propylbenzene
Concen: 0.550 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 120 Resp: 9922
Ion Ratio Lower Upper
120 100
91 463.3 375.8 563.6

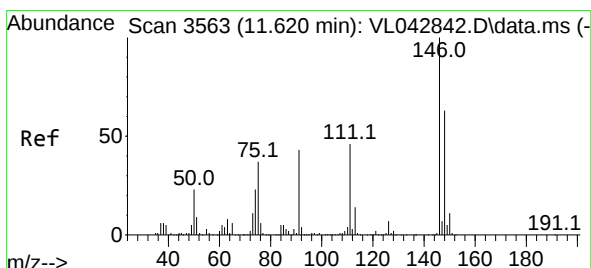
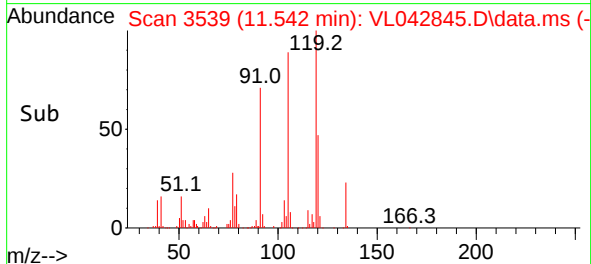
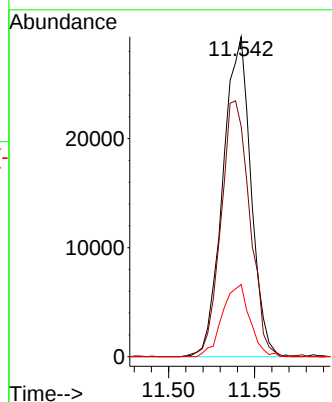
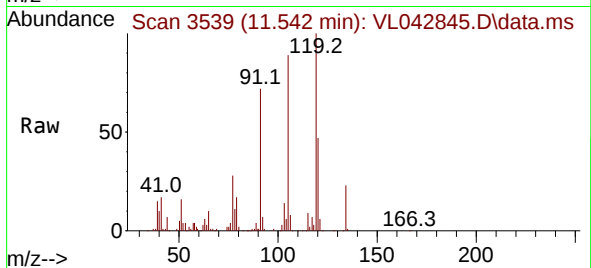




#65
tert-Butylbenzene
Concen: 0.532 ppbv
RT: 11.542 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

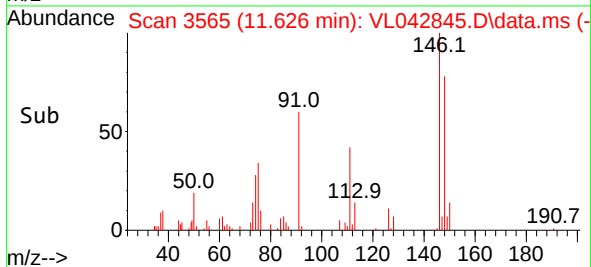
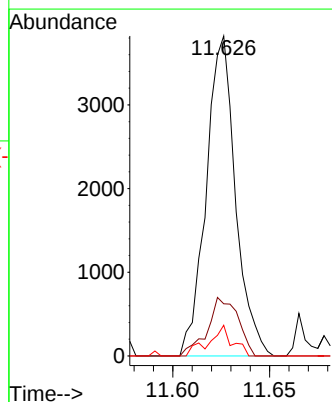
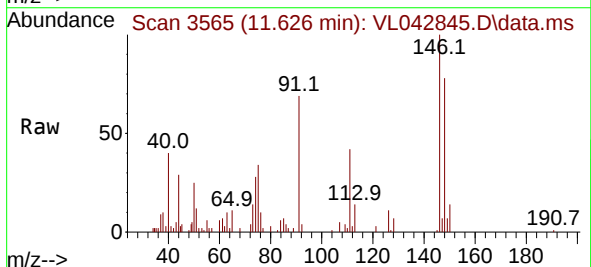
Instrument :
MSVOA_L
ClientSampleId :

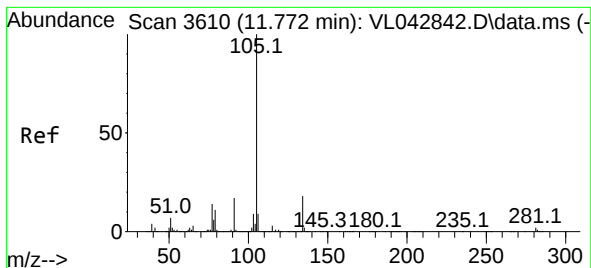
Tgt Ion:119 Resp: 33183
Ion Ratio Lower Upper
119 100
91 82.8 63.9 95.9
134 22.1 17.0 25.4



#66
Benzyl Chloride
Concen: 0.510 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 4039
Ion Ratio Lower Upper
91 100
126 19.0 14.2 21.4
128 7.6 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.530 ppbv

RT: 11.778 min Scan# 3610

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

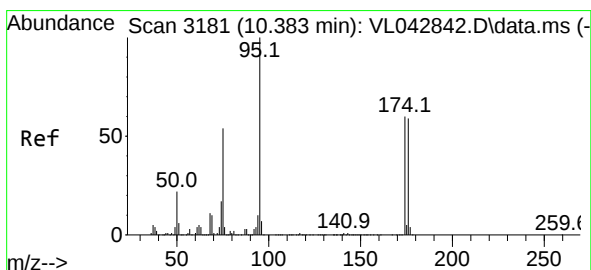
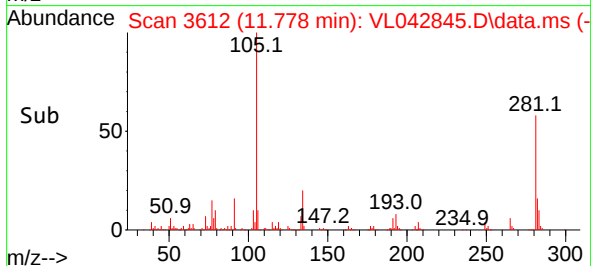
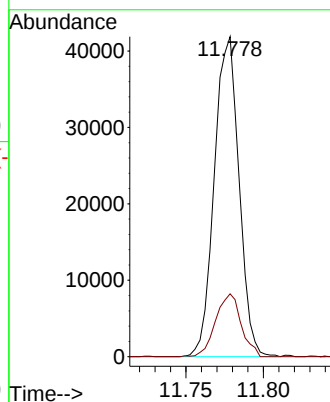
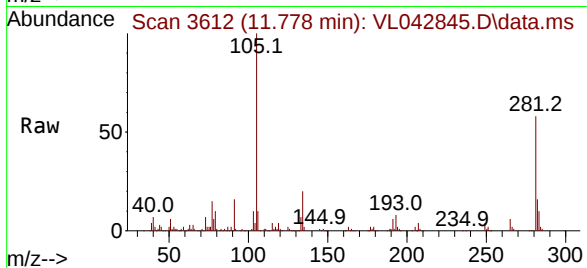
ClientSampleId :

Tgt Ion:105 Resp: 46433

Ion Ratio Lower Upper

105 100

134 20.3 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.064 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

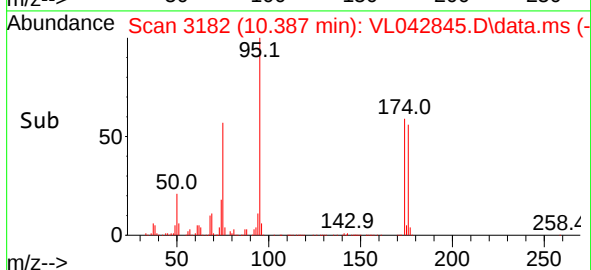
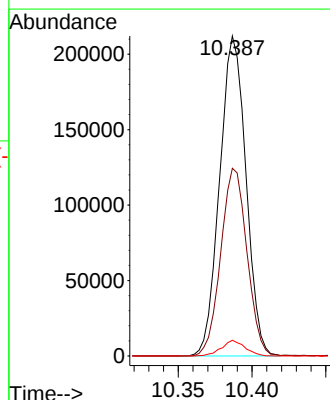
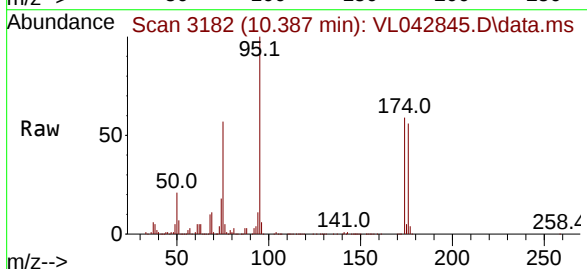
Tgt Ion: 95 Resp: 262663

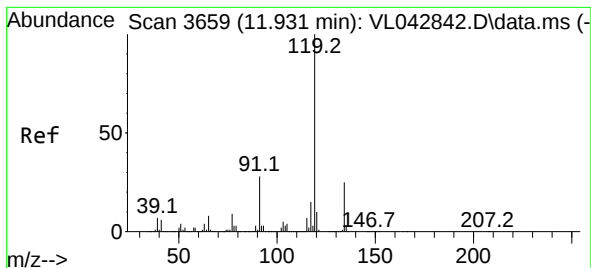
Ion Ratio Lower Upper

95 100

174 58.8 48.4 72.6

175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.541 ppbv

RT: 11.934 min Scan# 3659

Delta R.T. 0.003 min

Lab File: VL042845.D

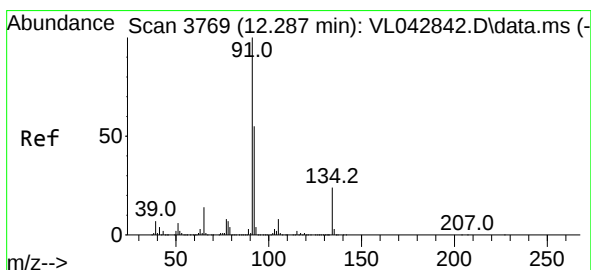
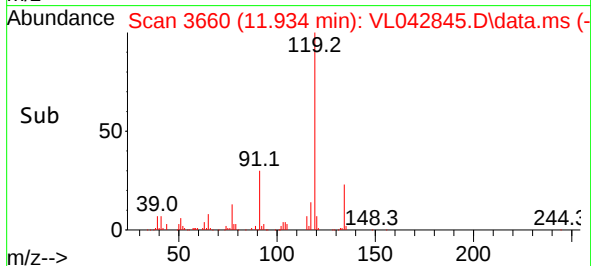
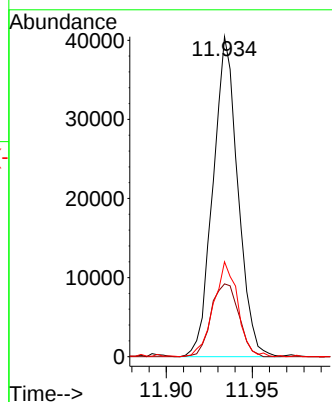
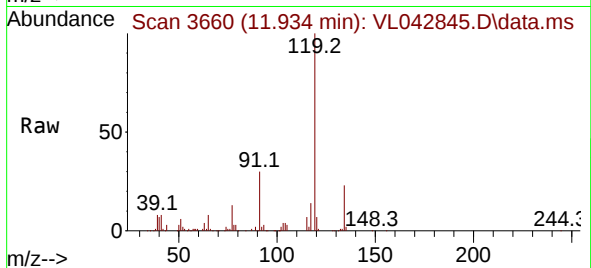
Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	119	Resp:	40686
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.0	22.6	34.0



#70

n-Butylbenzene

Concen: 0.521 ppbv

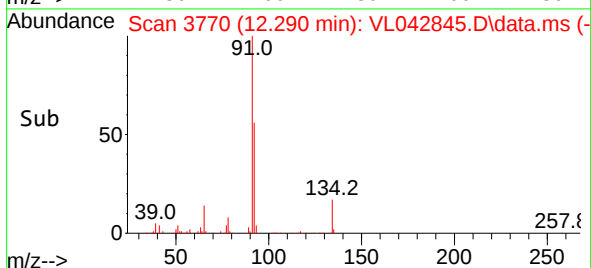
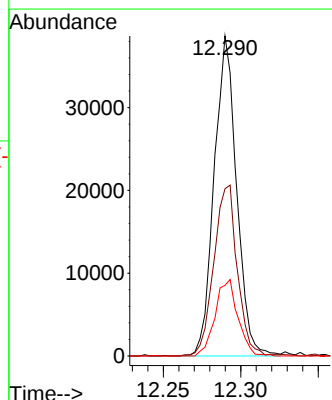
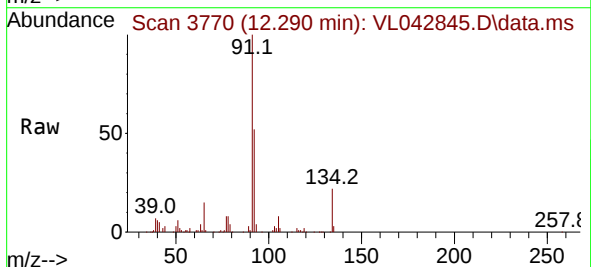
RT: 12.290 min Scan# 3770

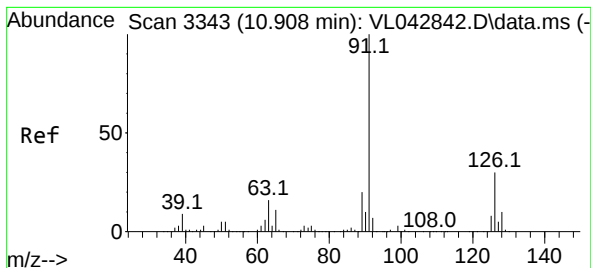
Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion:	91	Resp:	38867
Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.6	66.8
134	24.2	19.0	28.4





#71

2-Chlorotoluene

Concen: 0.541 ppbv

RT: 10.911 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

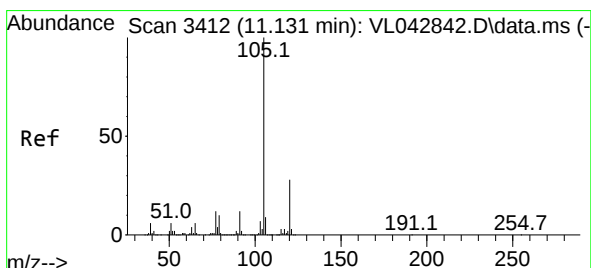
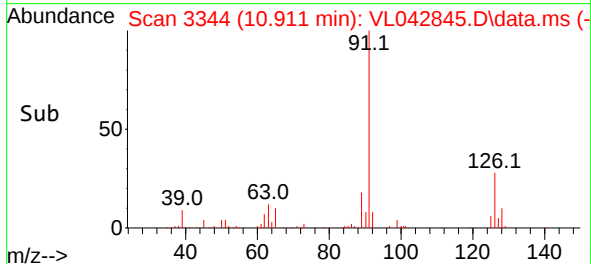
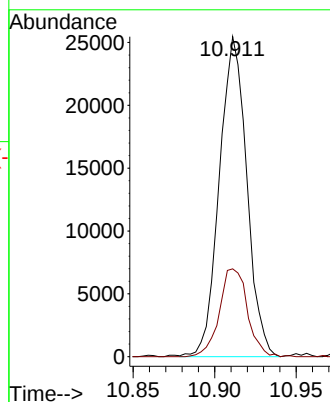
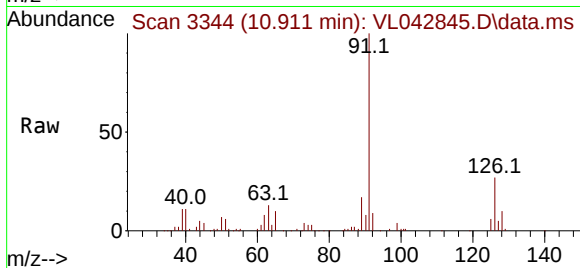
ClientSampleId :

Tgt Ion: 91 Resp: 29736

Ion Ratio Lower Upper

91 100

126 28.2 12.0 47.8



#72

4-Ethyltoluene

Concen: 0.515 ppbv

RT: 11.138 min Scan# 3414

Delta R.T. 0.007 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion: 105 Resp: 30234

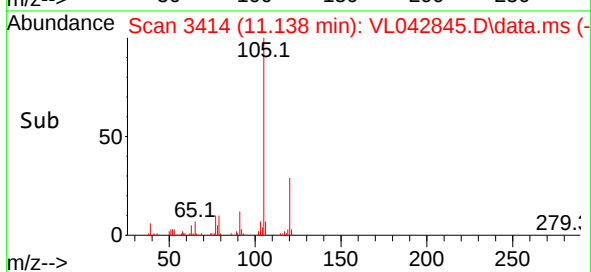
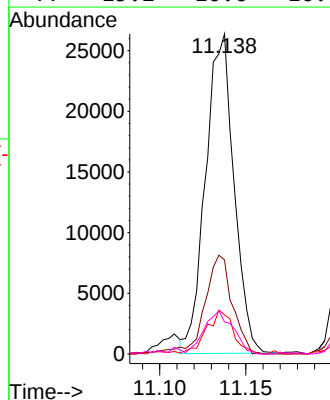
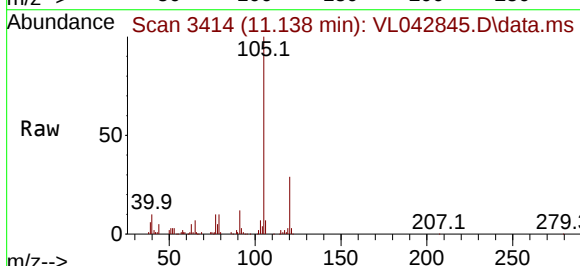
Ion Ratio Lower Upper

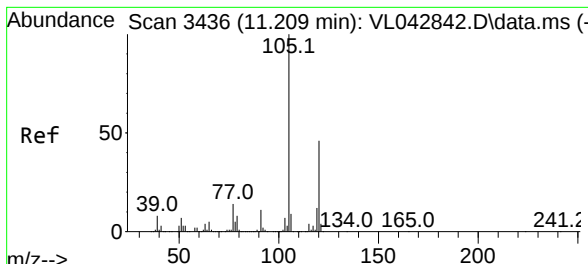
105 100

120 30.5 23.4 35.2

91 13.8 9.8 14.6

77 15.2 10.6 16.0

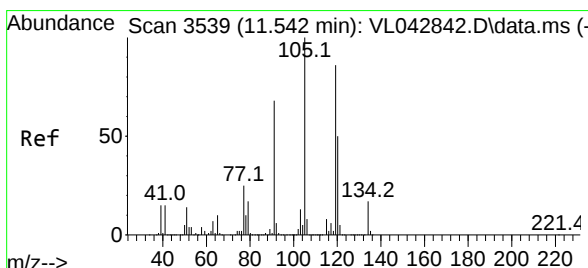
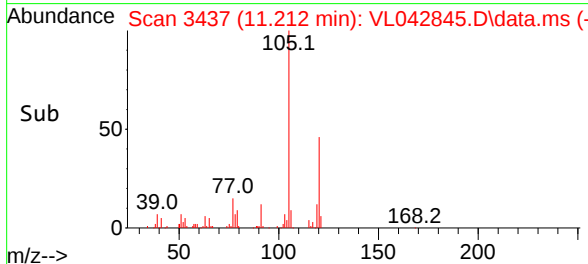
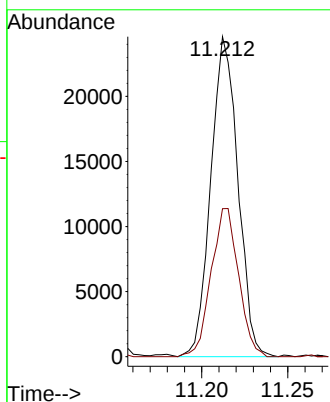
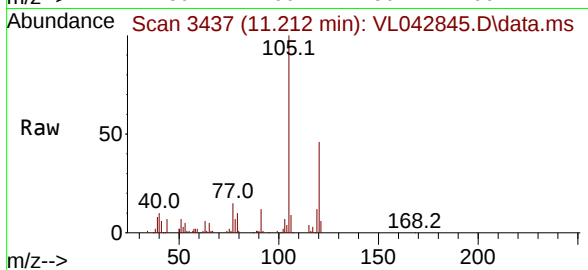




#73
 1,3,5-Trimethylbenzene
 Concen: 0.540 ppbv
 RT: 11.212 min Scan# 3437
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

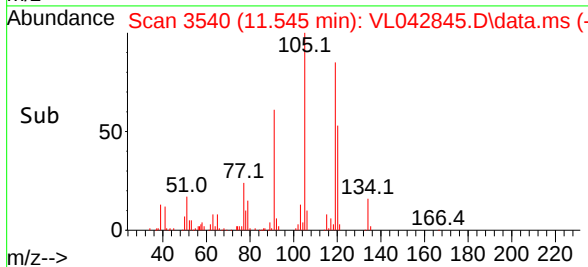
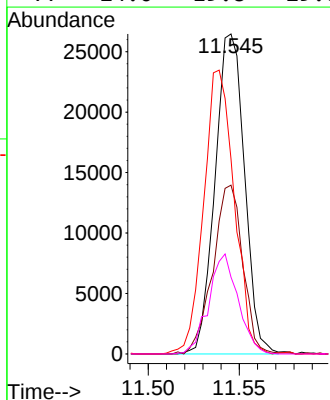
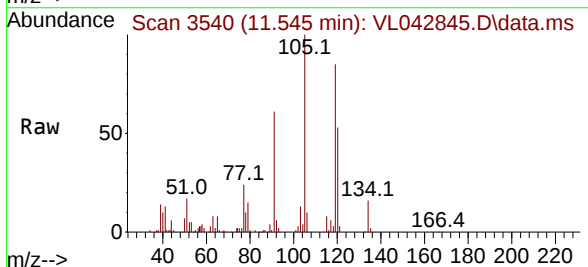
Instrument :
 MSVOA_L
 ClientSampleId :

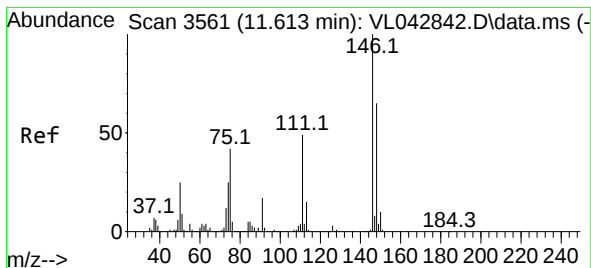
Tgt Ion:105 Resp: 26942
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.543 ppbv
 RT: 11.545 min Scan# 3540
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 29750
 Ion Ratio Lower Upper
 105 100
 120 52.4 39.8 59.6
 91 60.6 54.2 81.4
 77 24.0 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 0.524 ppbv

RT: 11.617 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

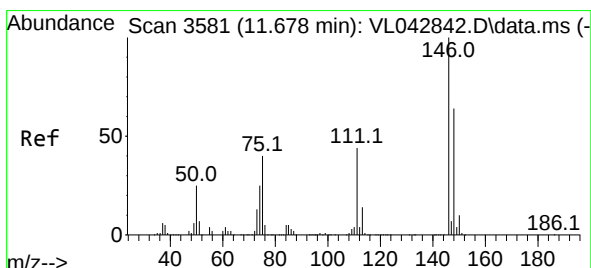
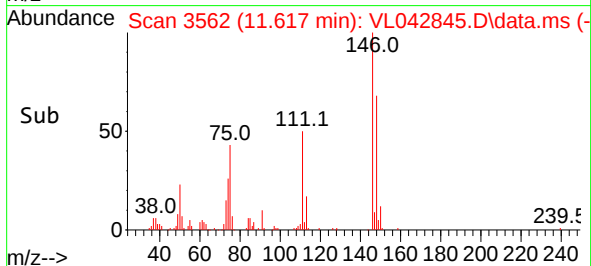
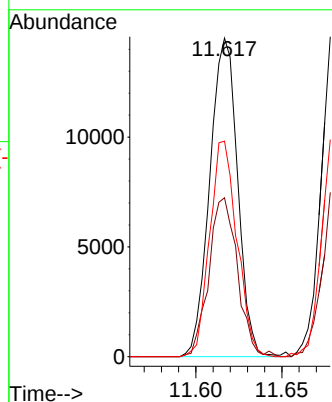
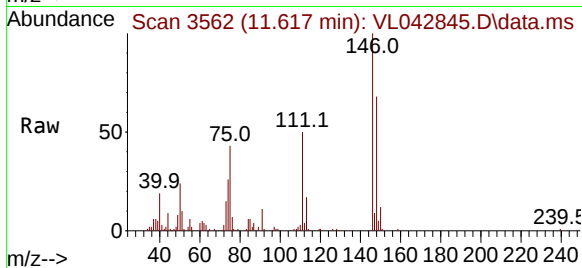
Tgt Ion:146 Resp: 16311

Ion Ratio Lower Upper

146 100

111 51.2 23.9 71.7

148 66.5 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 0.533 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

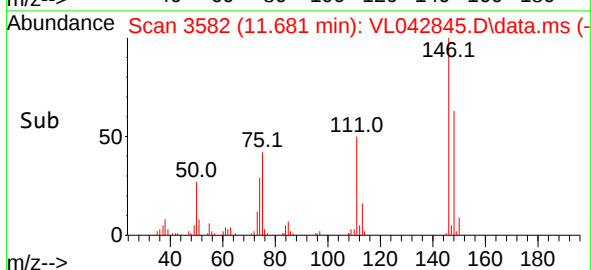
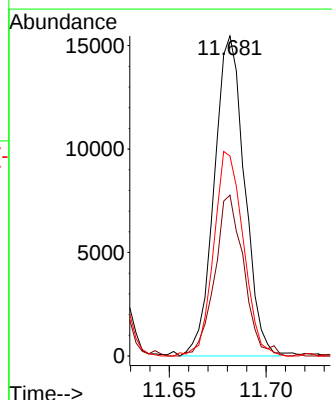
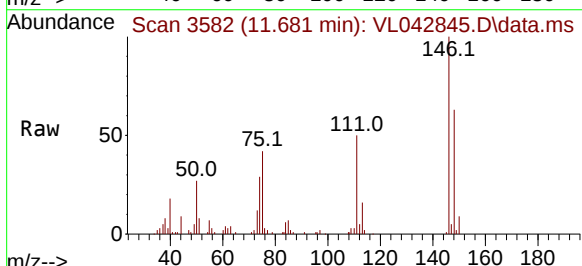
Tgt Ion:146 Resp: 16803

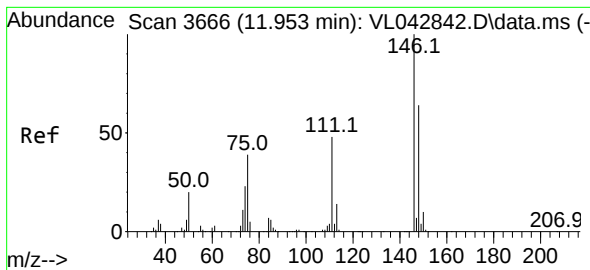
Ion Ratio Lower Upper

146 100

111 48.3 22.7 68.1

148 62.7 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 0.535 ppbv

RT: 11.956 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042845.D

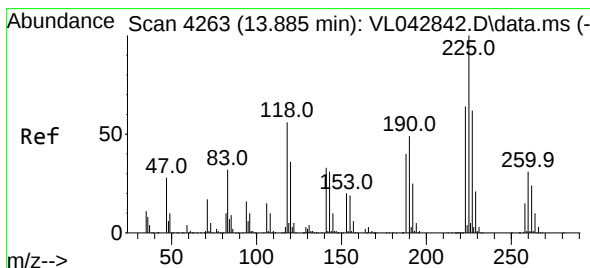
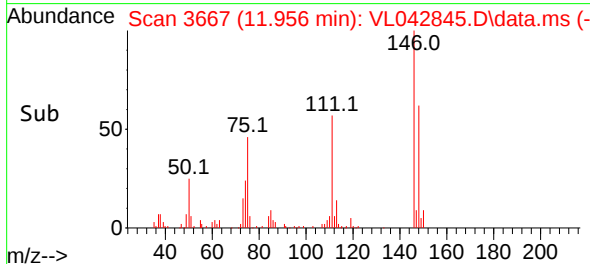
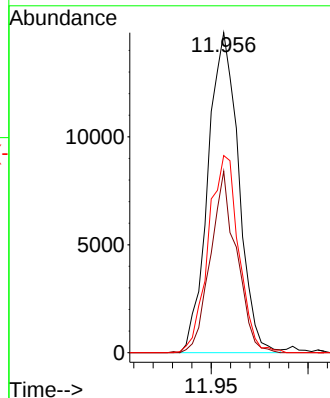
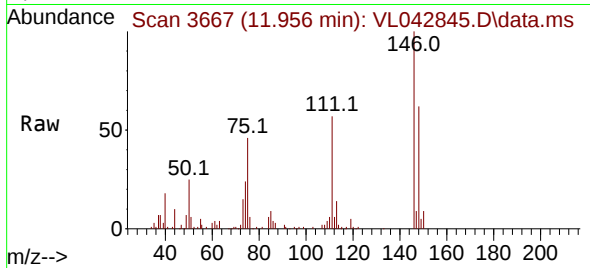
Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	16306
Ion Ratio	Lower	Upper
146	100	
111	48.2	24.6 74.0
148	61.1	32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.567 ppbv

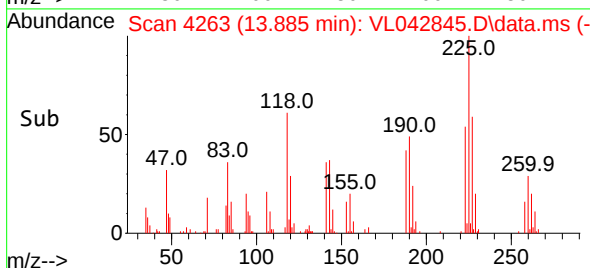
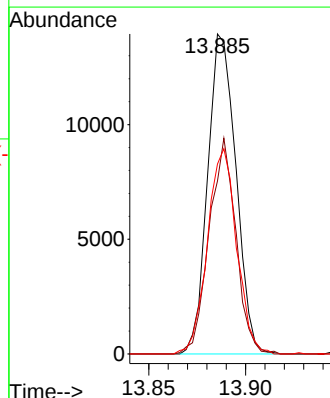
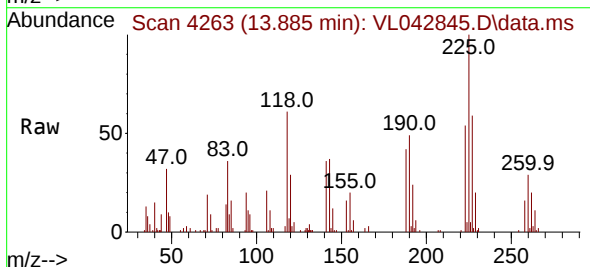
RT: 13.885 min Scan# 4263

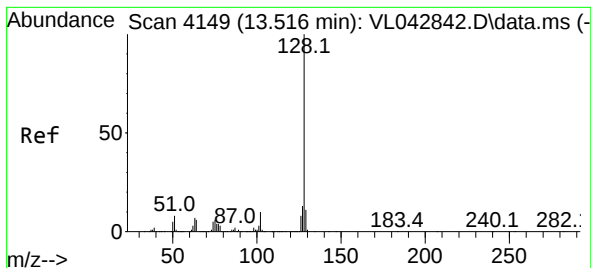
Delta R.T. 0.000 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion:225	Resp:	14165
Ion Ratio	Lower	Upper
225	100	
223	63.7	51.4 77.2
227	66.2	51.9 77.9





#79

Naphthalene

Concen: 0.491 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042845.D

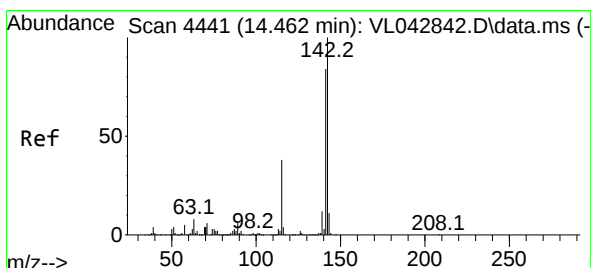
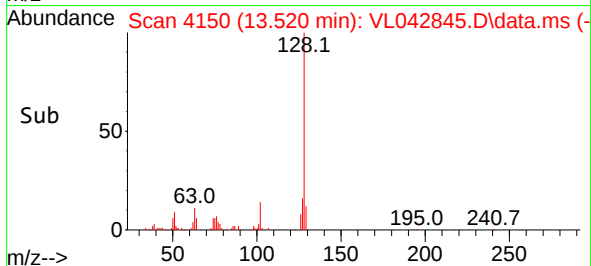
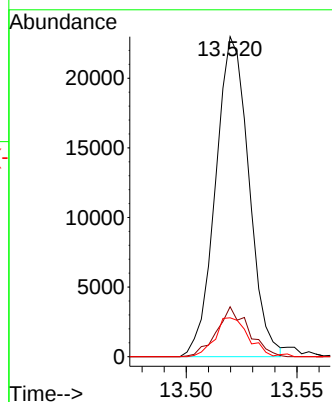
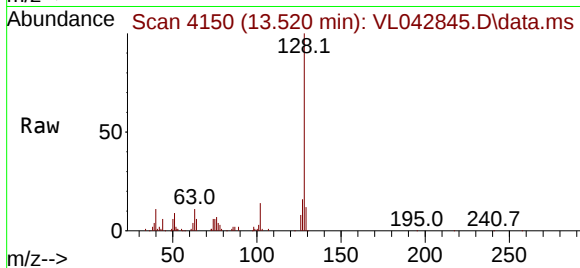
Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	128	Resp:	24056
Ion Ratio	Lower	Upper	
128	100		
127	15.6	10.6	16.0
129	12.2	8.9	13.3



#80

Naphthalene,2-methyl-

Concen: 0.405 ppbv

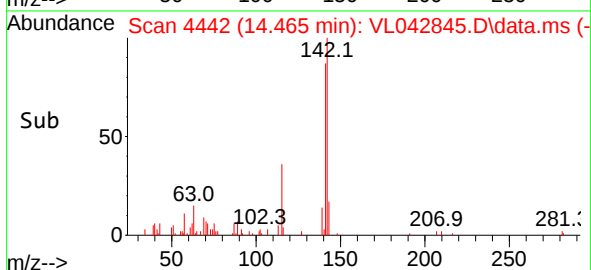
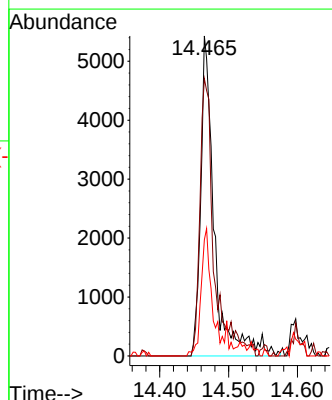
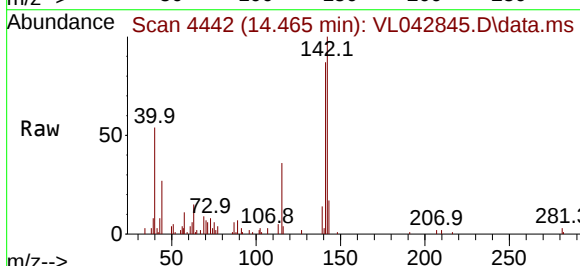
RT: 14.465 min Scan# 4442

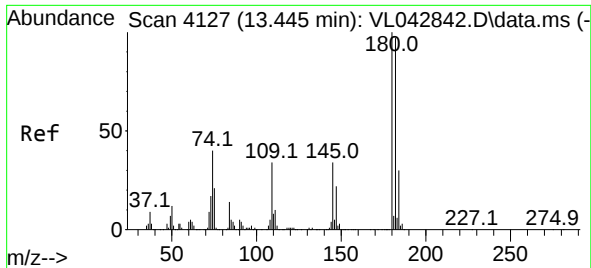
Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

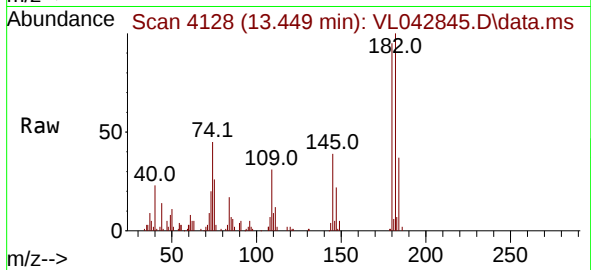
Tgt Ion:	142	Resp:	7482
Ion Ratio	Lower	Upper	
142	100		
141	90.9	67.0	100.6
115	38.5	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.434 ppbv
 RT: 13.449 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	180	Resp:	10844
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.9	115.3
184	32.6	24.5	36.7

