

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042759.D
 Acq On : 24 Jul 2025 10:57
 Operator : SY/MD
 Sample : VL0724ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 25 01:24:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	147044	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	409745	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	372748	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	301860	10.226	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	180968	9.308	ppbv	100
3) Chlorodifluoromethane	1.473	51	242102	9.559	ppbv	100
4) Chloromethane	1.531	50	73859	9.390	ppbv	96
5) Vinyl Chloride	1.577	62	63036	8.112	ppbv	98
6) Bromomethane	1.667	94	28082	9.347	ppbv	93
7) Chloroethane	1.703	64	24726	8.235	ppbv #	86
8) Dichlorotetrafluoroethane	1.551	85	144903	9.063	ppbv	98
9) Propene	1.483	41	84555	9.186	ppbv	98
10) Heptane	4.972	43	246854	9.946	ppbv	99
11) Trichlorofluoromethane	1.874	101	185482	9.255	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.137	101	145000	9.521	ppbv	97
13) Ethanol	1.719	45	7271	9.697	ppbv	95
14) Bromoethene	1.781	108	49468	9.174	ppbv	98
15) Acetone	1.832	43	151299	7.451	ppbv	98
16) 1,3-Butadiene	1.606	39	76114	8.788	ppbv	98
17) tert-Butyl alcohol	2.036	59	163459	8.926	ppbv	96
18) 1,1-Dichloroethene	2.030	96	60208	8.750	ppbv	94
19) Isopropyl Alcohol	1.884	45	96416	8.936	ppbv #	40
20) Methylene Chloride	2.059	84	52131	8.147	ppbv	97
21) Allyl Chloride	2.091	41	119495	9.549	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	68496	9.253	ppbv	98
23) Vinyl Acetate	2.460	43	238863	9.704	ppbv	98
24) 1,1-Dichloroethane	2.405	63	140101	9.221	ppbv	98
25) Ethyl Acetate	2.829	43	435118	9.681	ppbv	100
26) Hexane	2.823	57	191824	9.730	ppbv	98
27) Carbon Disulfide	2.146	76	166394	9.858	ppbv	96
28) Methyl tert-Butyl Ether	2.438	73	80712	8.666	ppbv	99
29) Chloroform	2.845	83	296040	9.717	ppbv	97
30) Cyclohexane	3.852	84	162375	9.711	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	193439	9.548	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	293531	9.250	ppbv	99
34) 2-Butanone	2.551	43	288013	9.923	ppbv	100
35) Carbon Tetrachloride	3.758	117	313003	10.284	ppbv	96
36) Benzene	3.651	78	382210	9.842	ppbv	99
37) 1,2-Dichloroethane	3.214	62	237484	10.152	ppbv	100
38) Trichloroethene	4.541	130	170959	9.164	ppbv	96
39) 1,2-Dichloropropane	4.308	63	141270	9.855	ppbv	95
40) 1,4-Dioxane	4.574	88	64606	9.669	ppbv #	94
41) Tetrahydrofuran	3.049	42	155794	10.549	ppbv	98
42) Bromodichloromethane	4.483	83	319463	10.486	ppbv	97
43) Methyl Methacrylate	4.872	69	149548	10.835	ppbv	98
44) 2,2,4-Trimethylpentane	4.632	57	652445	10.308	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	166529	10.759	ppbv	97

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

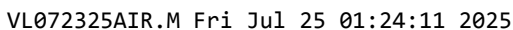
Instrument :
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 ClientSampleId :

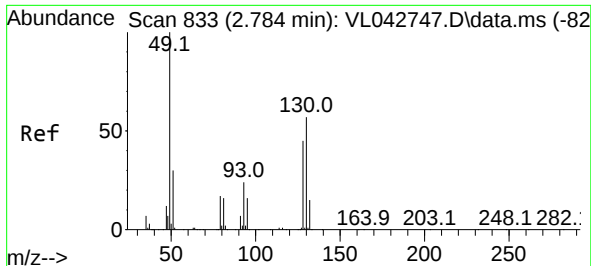
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	209089	10.660	ppbv	93
47) 1,1,2-Trichloroethane	6.581	97	152989	10.012	ppbv	92
48) Dibromochloromethane	7.383	129	261055	10.762	ppbv	100
49) Bromoform	9.481	173	232332	10.984	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	383204	10.249	ppbv	100
51) 2-Hexanone	7.429	43	311933	11.041	ppbv #	99
52) Tetrachloroethene	8.222	164	143808	8.934	ppbv	97
53) Toluene	6.927	91	429910	10.310	ppbv	100
54) 1,2-Dibromoethane	7.649	107	221820	10.275	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.921	131	194327	10.027	ppbv	100
57) Chlorobenzene	8.917	112	348937	9.673	ppbv #	95
58) Ethyl Benzene	9.351	91	615722	10.460	ppbv	99
59) m/p-Xylene	9.549	91	464623	9.876	ppbv #	30
60) o-Xylene	9.960	91	493768	10.504	ppbv	100
61) Styrene	9.869	104	216283	10.938	ppbv	99
62) Isopropylbenzene	10.536	105	718669	10.365	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.960	83	285543	9.462	ppbv	100
64) n-propylbenzene	10.986	120	192364	10.641	ppbv	98
65) tert-Butylbenzene	11.529	119	644135	10.458	ppbv	98
66) Benzyl Chloride	11.614	91	58462	11.562	ppbv	99
67) sec-Butylbenzene	11.766	105	905326	10.335	ppbv	99
69) p-Isopropyltoluene	11.921	119	774218	10.839	ppbv	99
70) n-Butylbenzene	12.277	91	795999	11.537	ppbv	99
71) 2-Chlorotoluene	10.898	91	554642	10.432	ppbv	100
72) 4-Ethyltoluene	11.122	105	616153	10.975	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	511323	11.062	ppbv	98
74) 1,2,4-Trimethylbenzene	11.533	105	567154	11.247	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	359124	10.158	ppbv	100
76) 1,4-Dichlorobenzene	11.669	146	366455	10.593	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	349845	10.069	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	286338	9.105	ppbv	100
79) Naphthalene	13.510	128	571679	10.428	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	262069	9.625	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	313681	10.192	ppbv	100

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

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

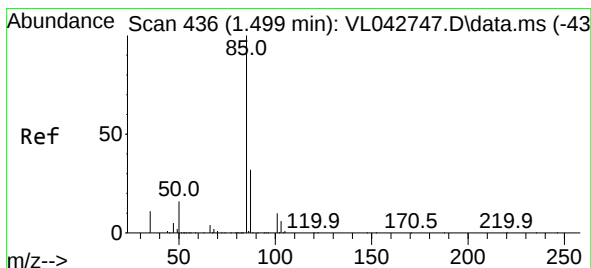
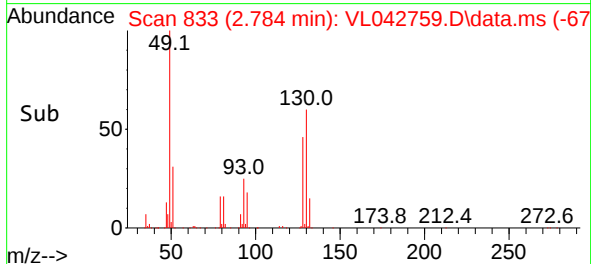
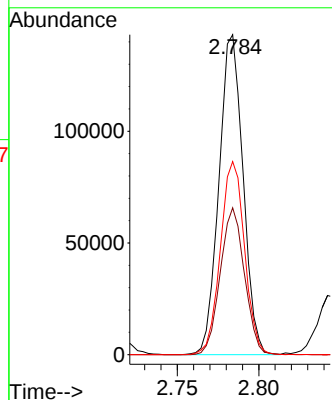
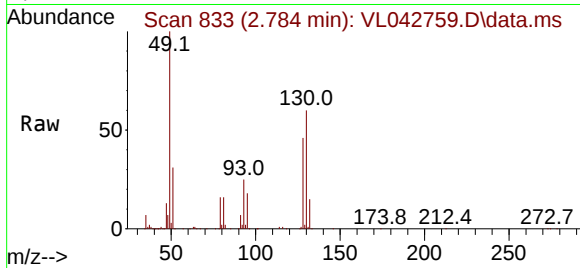




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

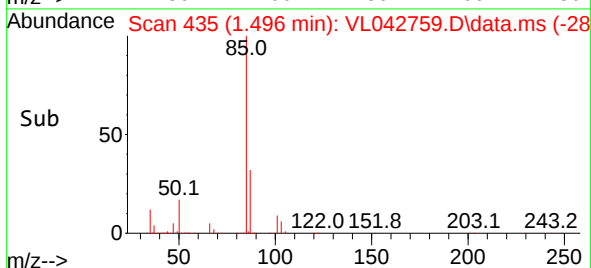
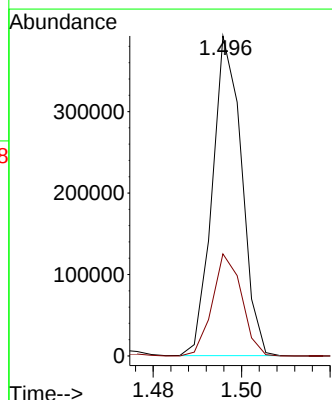
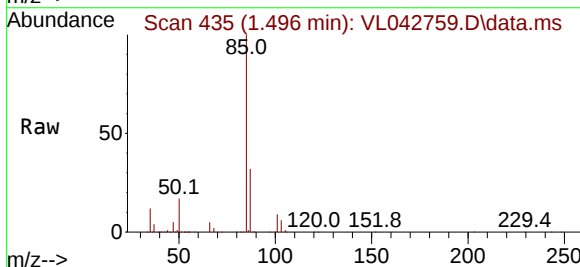
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 49 Resp: 147044
 Ion Ratio Lower Upper
 49 100
 128 46.0 23.6 71.0
 130 60.7 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 9.308 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Tgt Ion: 85 Resp: 180968
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.4 38.2

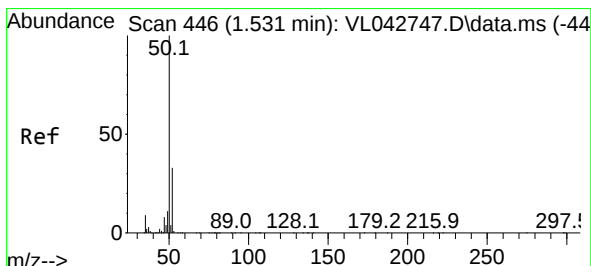
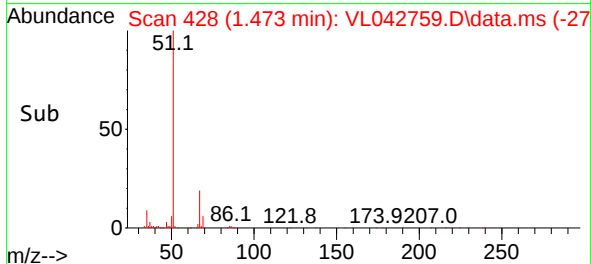
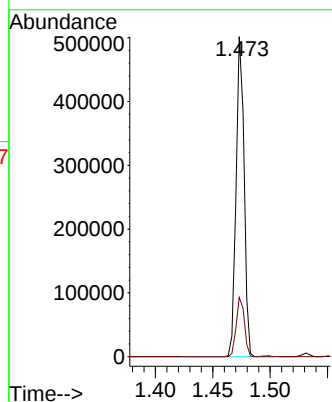
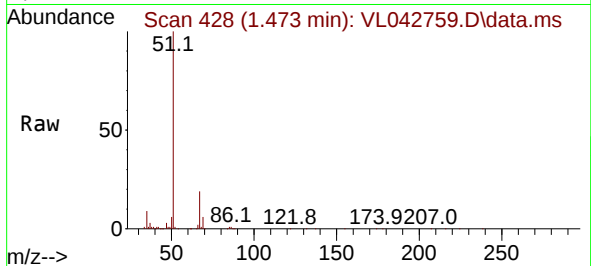




#3
Chlorodifluoromethane
Concen: 9.559 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

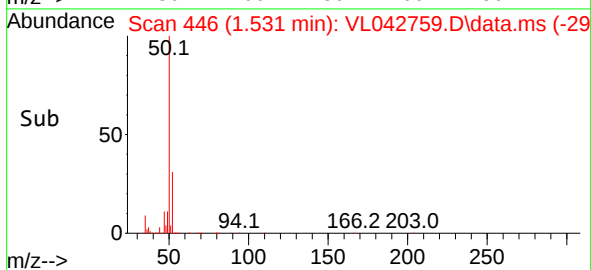
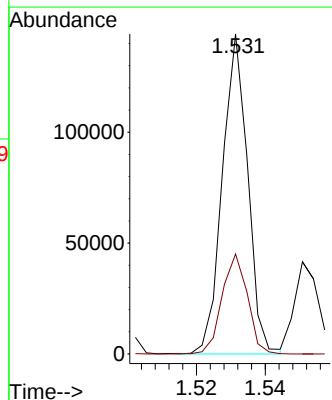
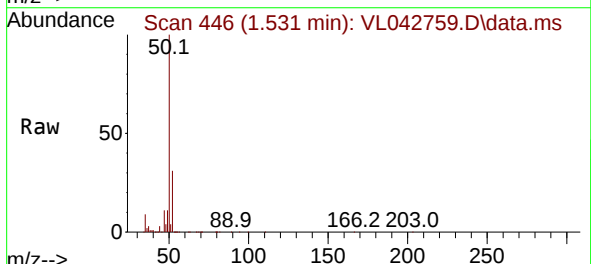
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MSVOA_L
ClientSampleId :

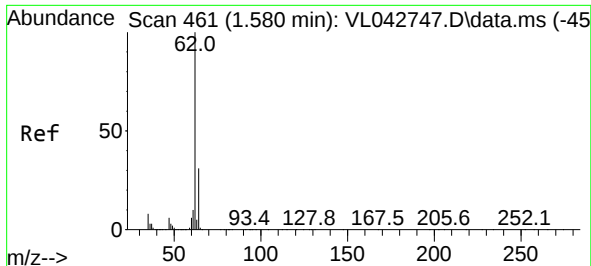
Tgt Ion: 51 Resp: 242102
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.6



#4
Chloromethane
Concen: 9.390 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 50 Resp: 73859
Ion Ratio Lower Upper
50 100
52 31.1 26.6 40.0

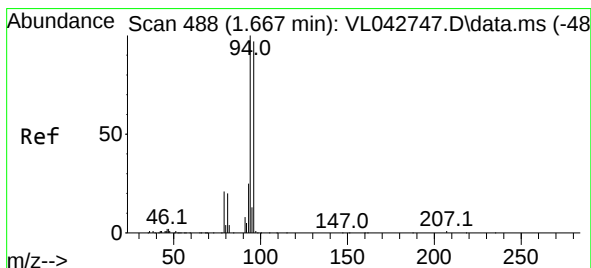
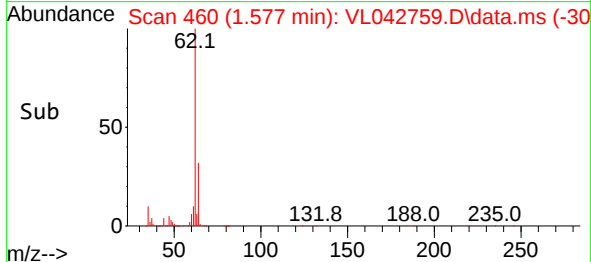
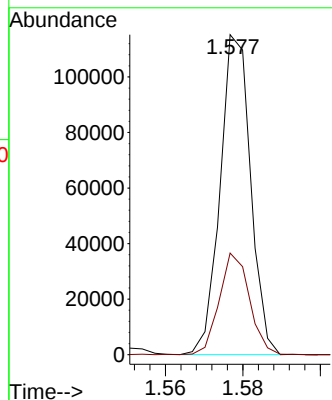
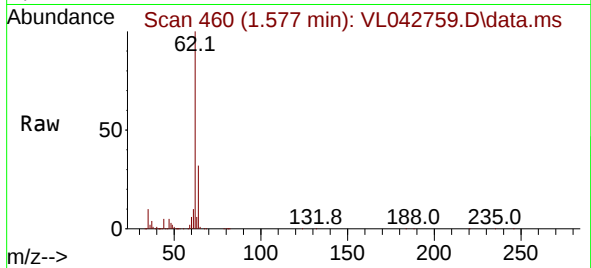




#5
Vinyl Chloride
Concen: 8.112 ppbv
RT: 1.577 min Scan# 460
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

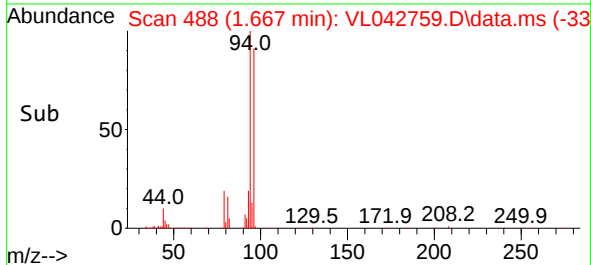
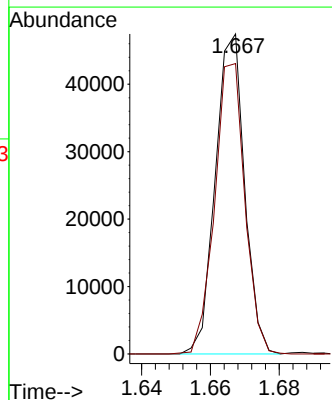
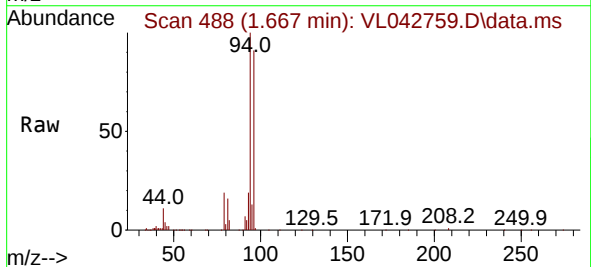
Instrument :
MSVOA_L
ClientSampleId :

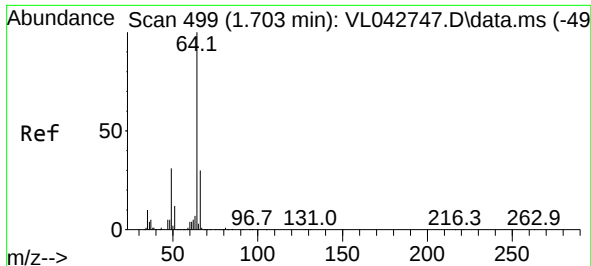
Tgt Ion: 62 Resp: 63036
Ion Ratio Lower Upper
62 100
64 31.7 24.5 36.7



#6
Bromomethane
Concen: 9.347 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 94 Resp: 28082
Ion Ratio Lower Upper
94 100
96 90.5 77.6 116.4

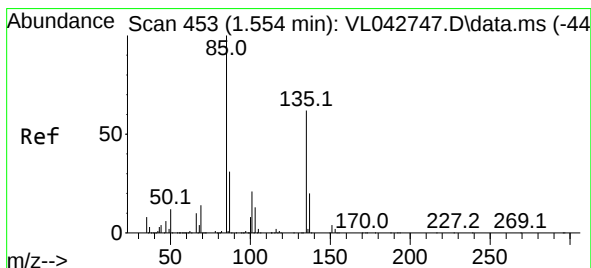
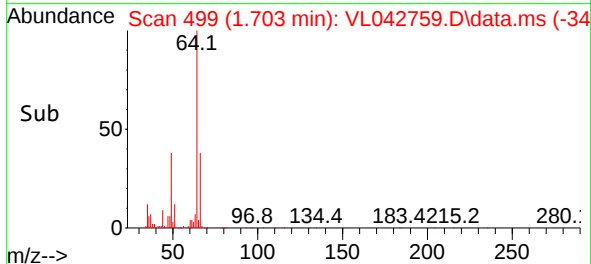
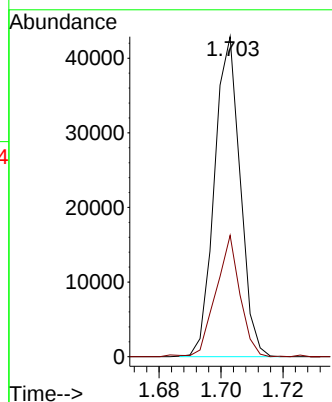
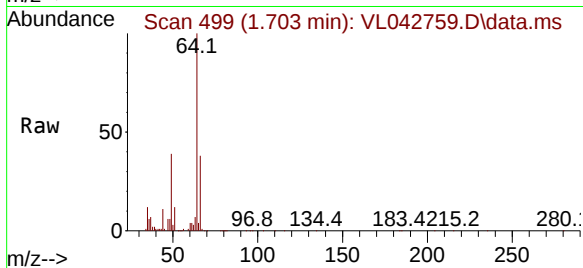




#7
Chloroethane
Concen: 8.235 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

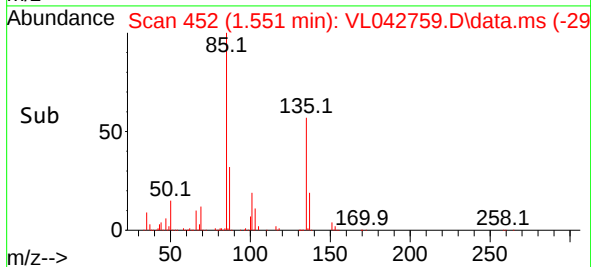
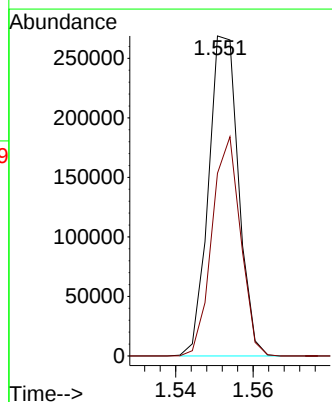
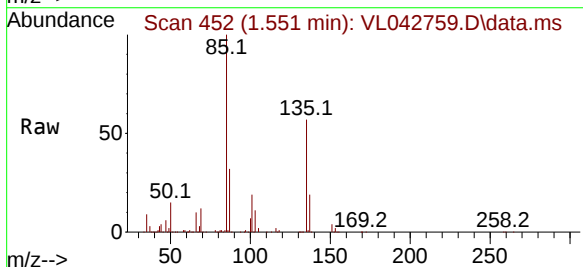
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MSVOA_L
ClientSampleId :

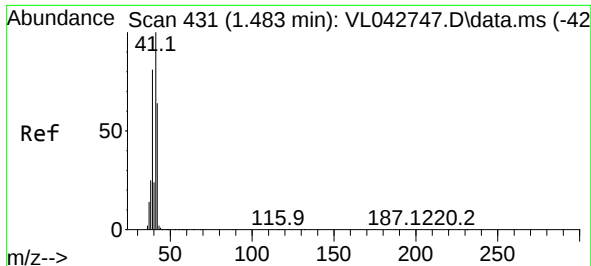
Tgt Ion: 64 Resp: 24726
Ion Ratio Lower Upper
64 100
66 37.9 24.1 36.1#



#8
Dichlorotetrafluoroethane
Concen: 9.063 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 85 Resp: 144903
Ion Ratio Lower Upper
85 100
135 65.2 50.6 76.0





#9

Propene

Concen: 9.186 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

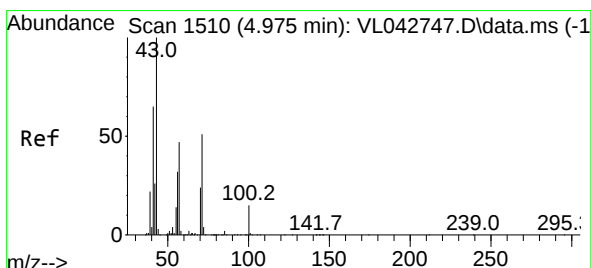
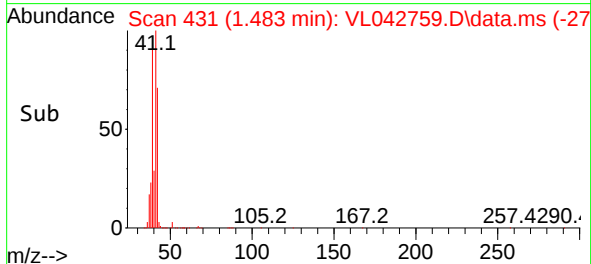
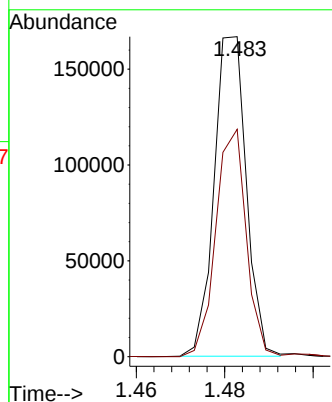
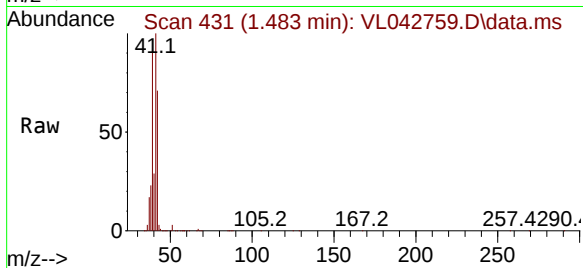
ClientSampleId :

Tgt Ion: 41 Resp: 84555

Ion Ratio Lower Upper

41 100

42 68.0 53.2 79.8



#10

Heptane

Concen: 9.946 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.003 min

Lab File: VL042759.D

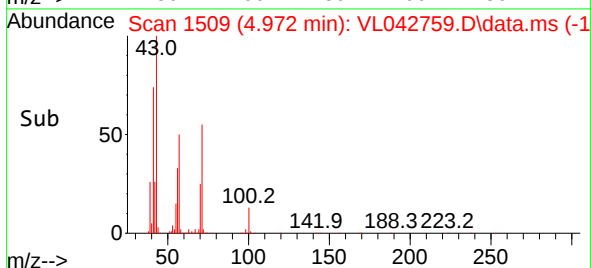
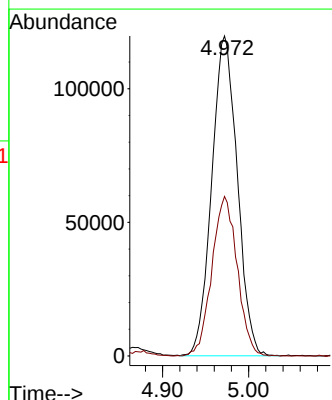
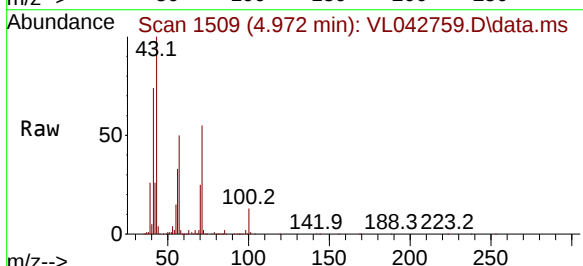
Acq: 24 Jul 2025 10:57

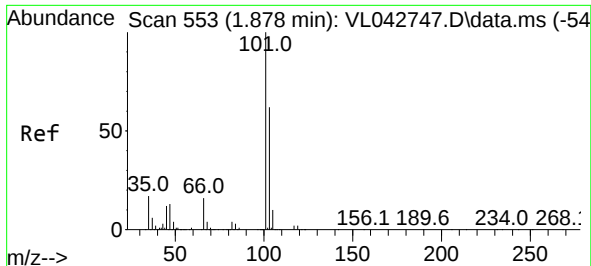
Tgt Ion: 43 Resp: 246854

Ion Ratio Lower Upper

43 100

57 49.4 39.9 59.9

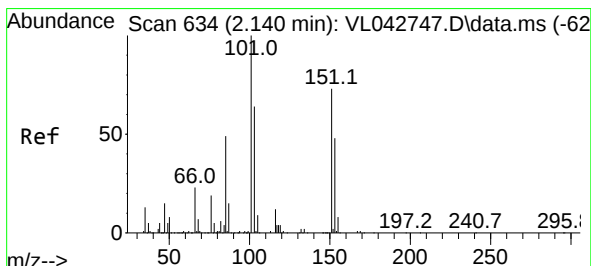
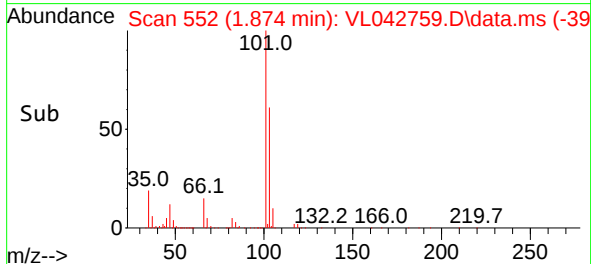
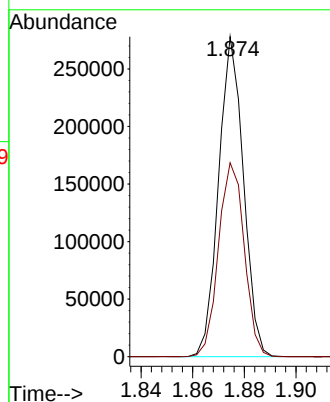
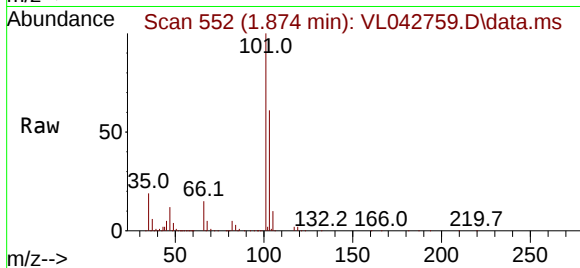




#11
 Trichlorofluoromethane
 Concen: 9.255 ppbv
 RT: 1.874 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

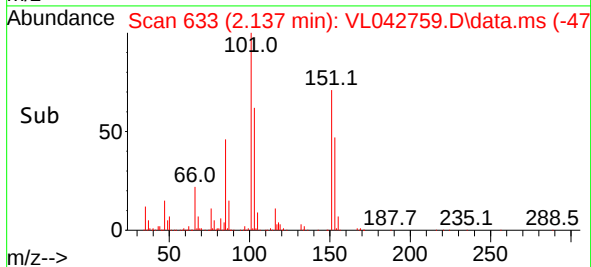
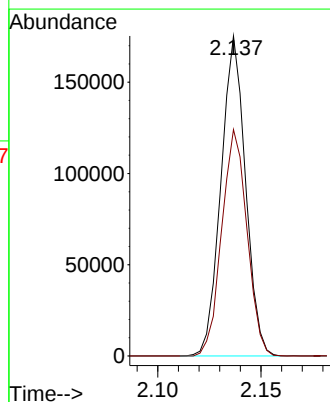
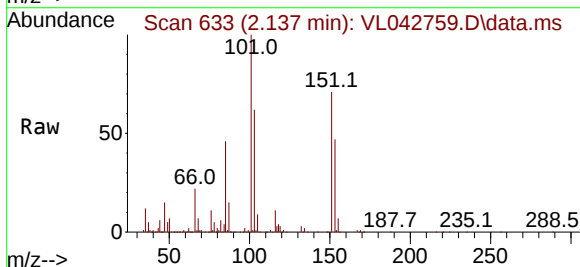
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:101 Resp: 185482
 Ion Ratio Lower Upper
 101 100
 103 60.6 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.521 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Tgt Ion:101 Resp: 145000
 Ion Ratio Lower Upper
 101 100
 151 72.7 60.5 90.7





#13

Ethanol

Concen: 9.697 ppbv

RT: 1.719 min Scan# 504

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

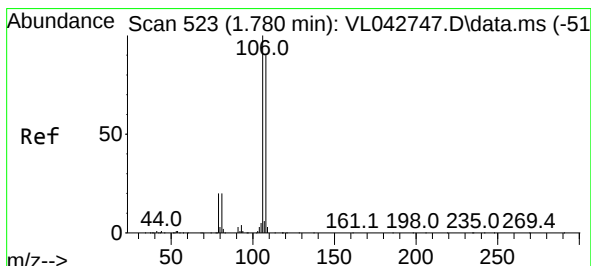
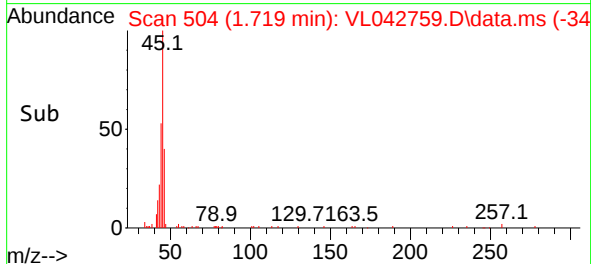
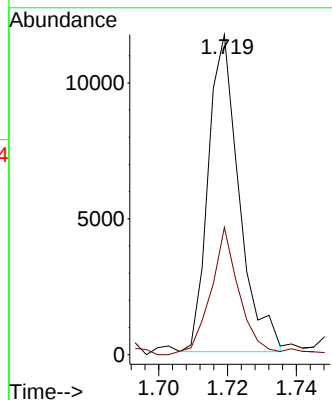
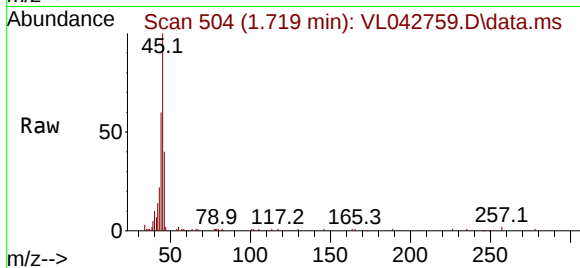
ClientSampleId :

Tgt Ion: 45 Resp: 7271

Ion Ratio Lower Upper

45 100

46 41.1 17.8 71.4



#14

Bromoethene

Concen: 9.174 ppbv

RT: 1.781 min Scan# 523

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

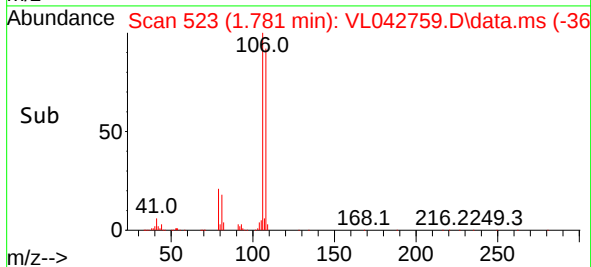
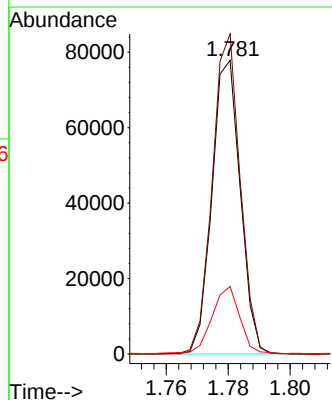
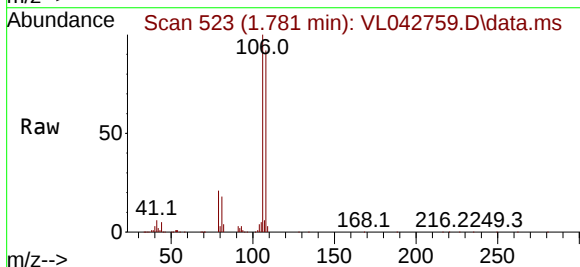
Tgt Ion: 108 Resp: 49468

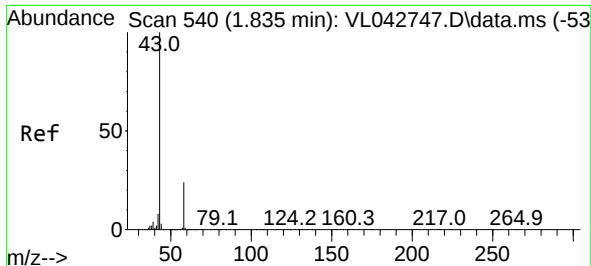
Ion Ratio Lower Upper

108 100

106 107.0 84.7 127.1

79 23.8 17.4 26.2

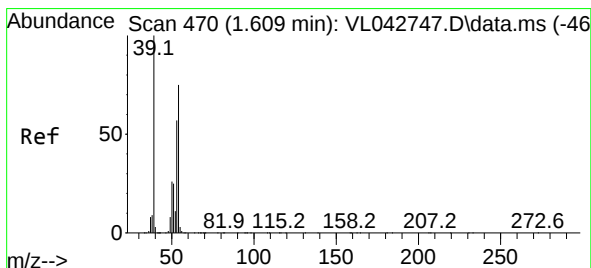
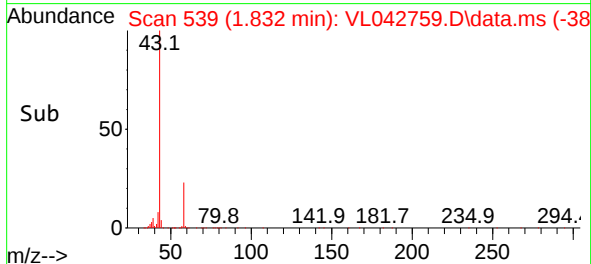
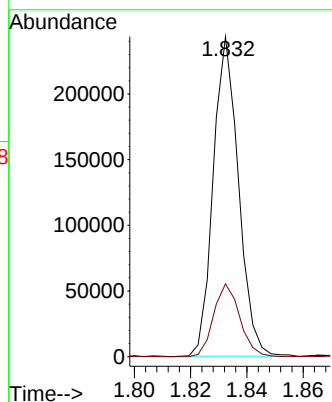
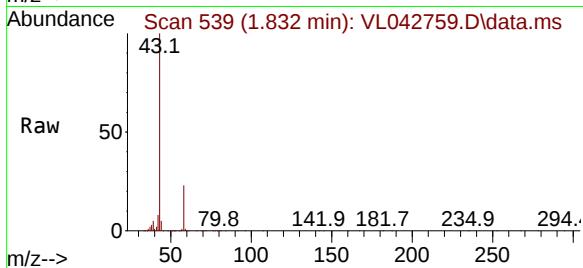




#15
Acetone
Concen: 7.451 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

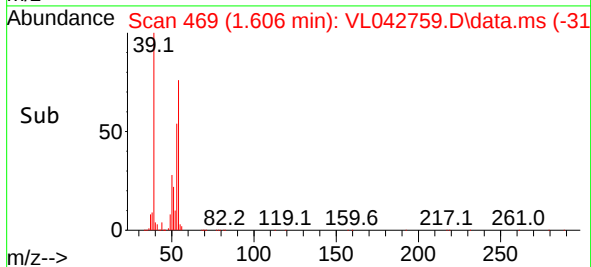
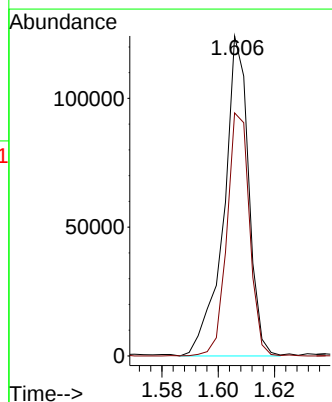
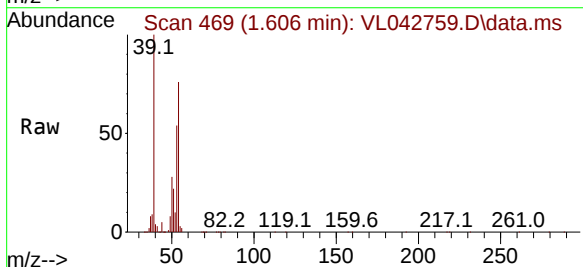
Instrument :
MSVOA_L
ClientSampleId :

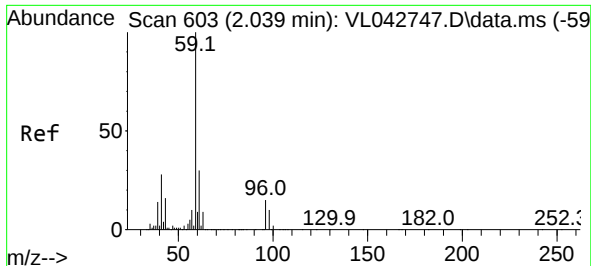
Tgt Ion: 43 Resp: 151299
Ion Ratio Lower Upper
43 100
58 23.7 19.8 29.8



#16
1,3-Butadiene
Concen: 8.788 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 39 Resp: 76114
Ion Ratio Lower Upper
39 100
54 69.3 54.5 81.7

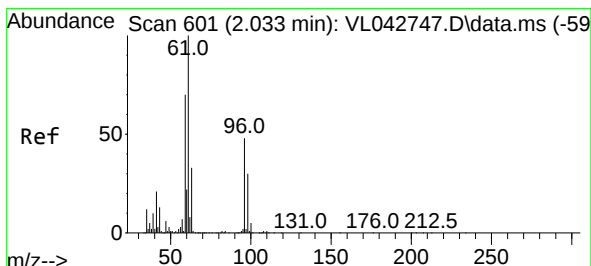
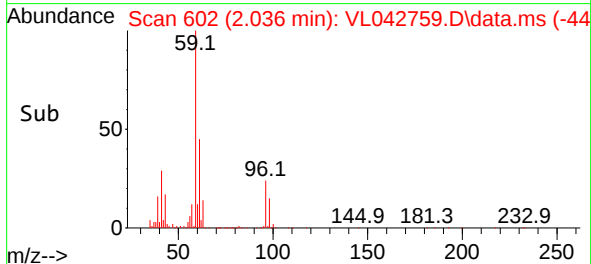
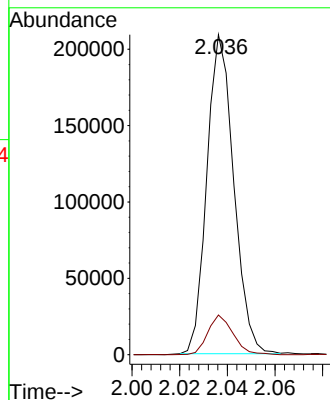
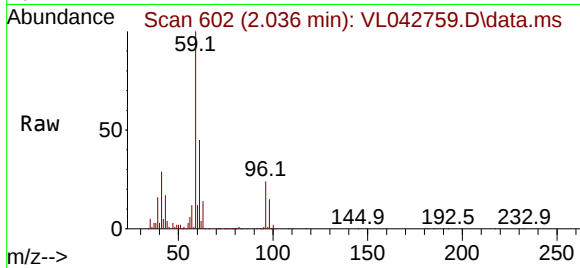




#17
tert-Butyl alcohol
Concen: 8.926 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

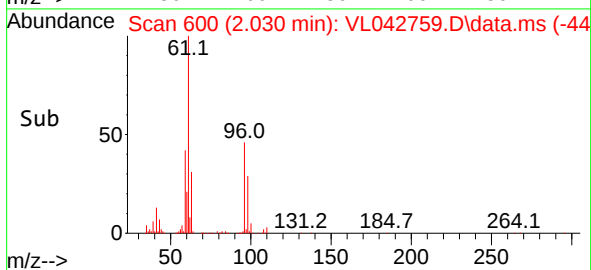
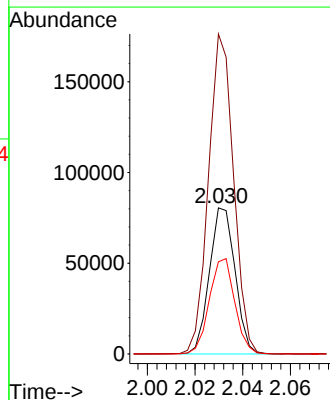
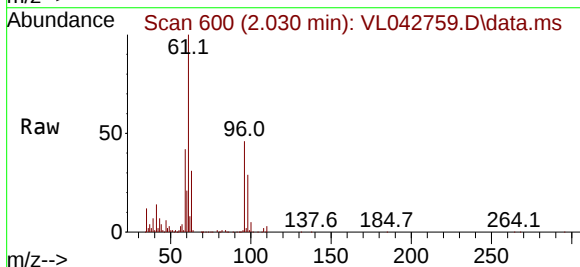
Instrument :
MSVOA_L
ClientSampleId :

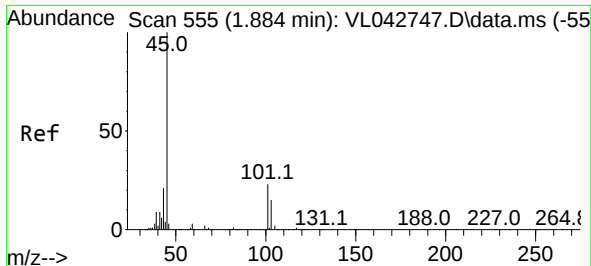
Tgt Ion: 59 Resp: 163459
Ion Ratio Lower Upper
59 100
57 11.7 8.3 12.5



#18
1,1-Dichloroethene
Concen: 8.750 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 96 Resp: 60208
Ion Ratio Lower Upper
96 100
61 219.0 165.8 248.6
98 63.1 49.9 74.9

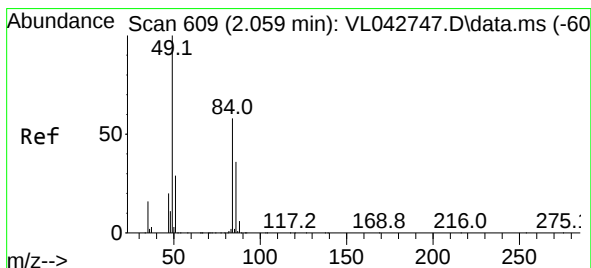
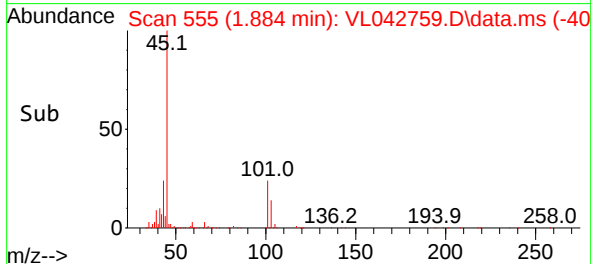
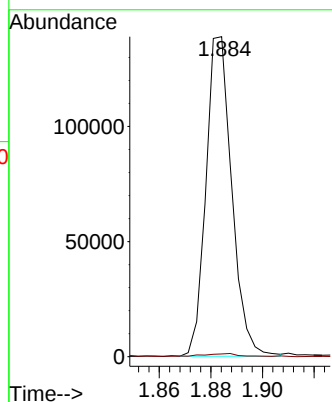
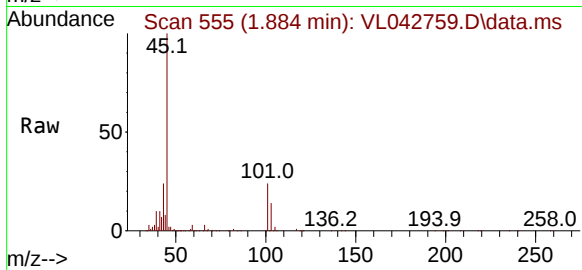




#19
Isopropyl Alcohol
Concen: 8.936 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

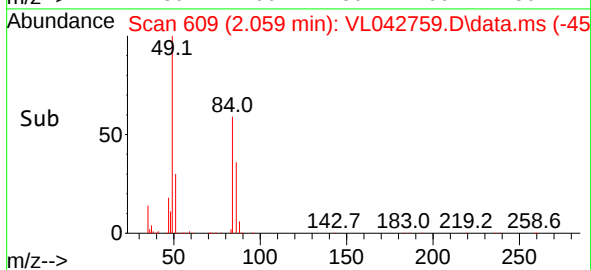
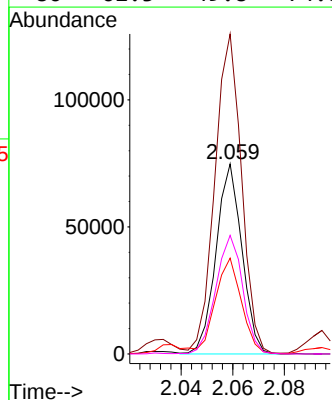
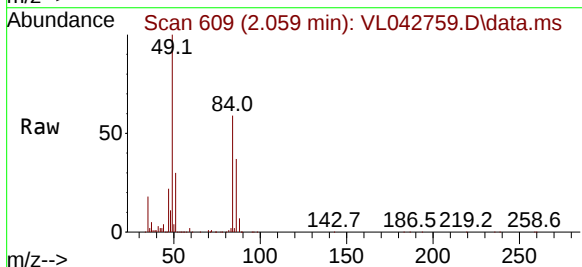
Instrument :
MSVOA_L
ClientSampleId :

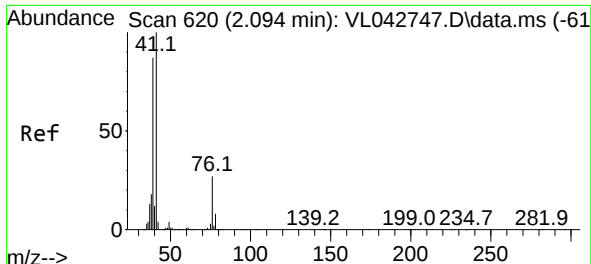
Tgt Ion: 45 Resp: 96416
Ion Ratio Lower Upper
45 100
58 1.7 30.0 45.0#



#20
Methylene Chloride
Concen: 8.147 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 84 Resp: 52131
Ion Ratio Lower Upper
84 100
49 167.6 138.6 208.0
51 50.3 40.6 61.0
86 62.3 49.8 74.8





#21

Allyl Chloride

Concen: 9.549 ppbv

RT: 2.091 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

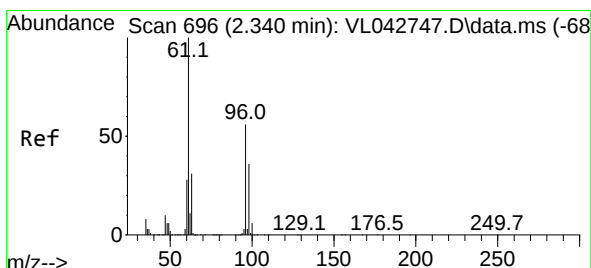
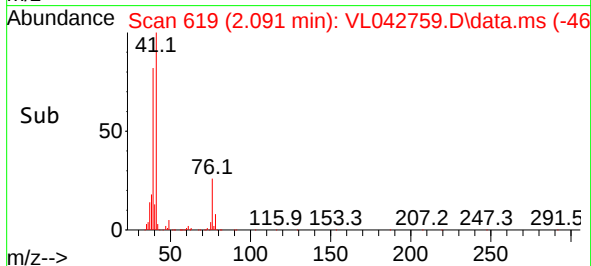
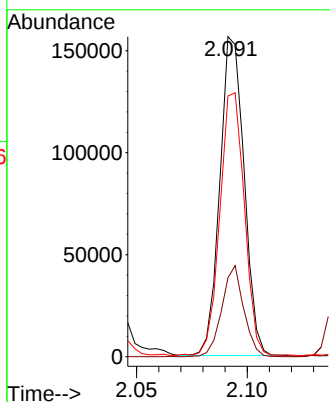
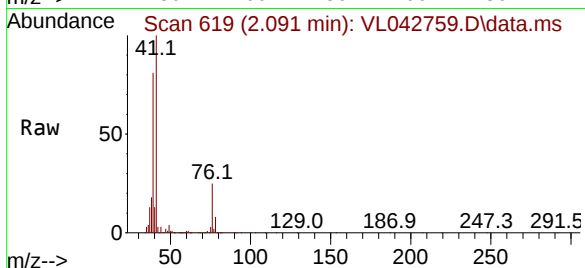
Tgt Ion: 41 Resp: 119495

Ion Ratio Lower Upper

41 100

76 25.7 21.1 31.7

39 82.9 68.3 102.5



#22

trans-1,2-Dichloroethene

Concen: 9.253 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

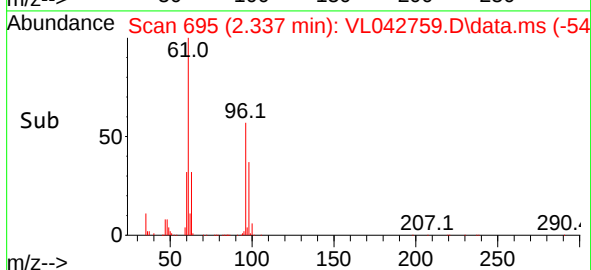
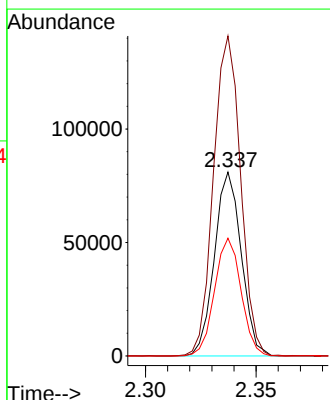
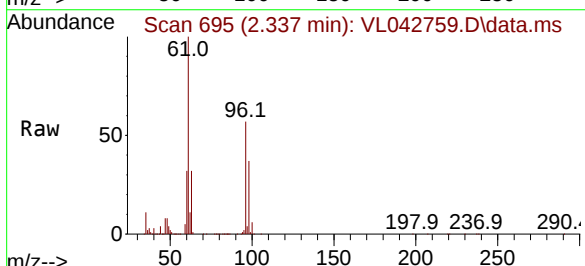
Tgt Ion: 96 Resp: 68496

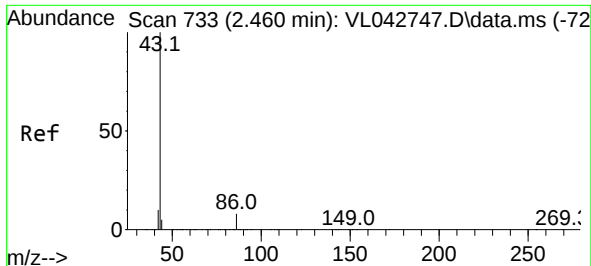
Ion Ratio Lower Upper

96 100

61 173.8 142.3 213.5

98 64.0 50.6 76.0

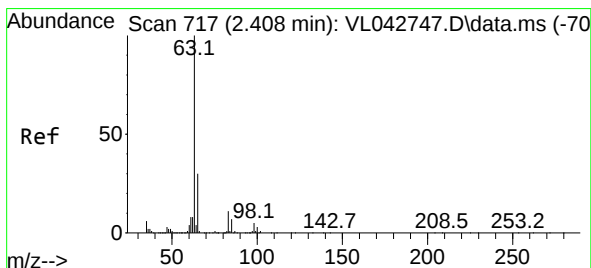
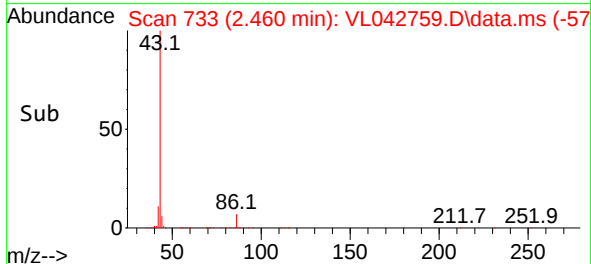
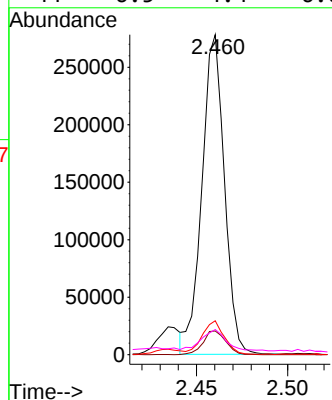
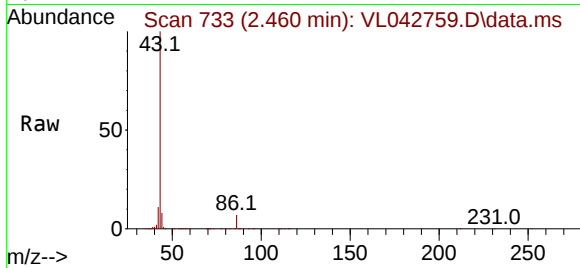




#23
 Vinyl Acetate
 Concen: 9.704 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

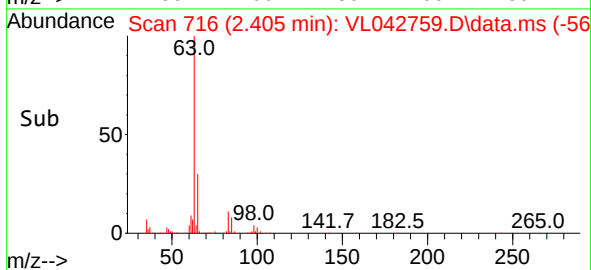
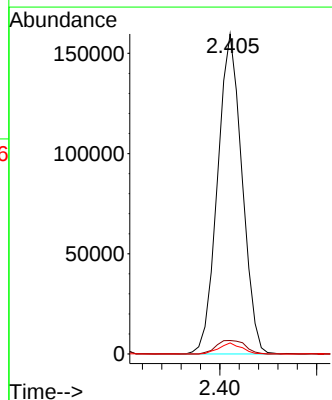
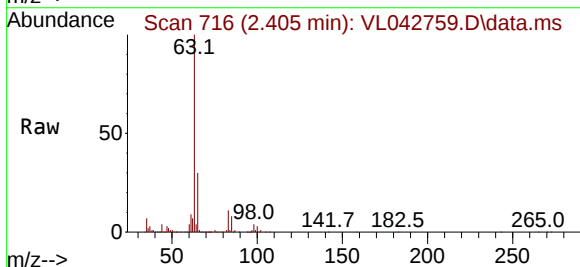
Instrument :
 MSVOA_L
 ClientSampleId :

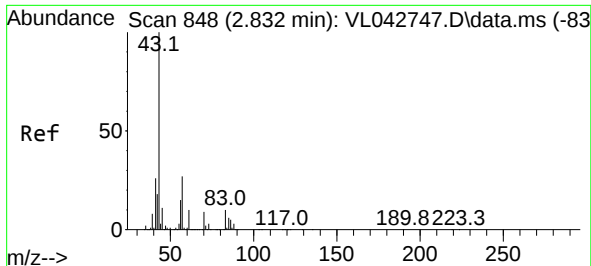
Tgt Ion:	43	Resp:	238863
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.1	9.1
42	10.4	7.8	11.8
44	6.5	4.4	6.6



#24
 1,1-Dichloroethane
 Concen: 9.221 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Tgt Ion:	63	Resp:	140101
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.4
100	3.4	1.6	4.8

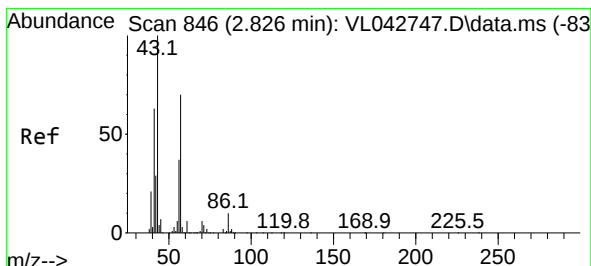
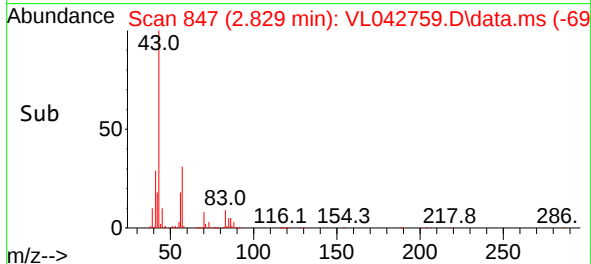
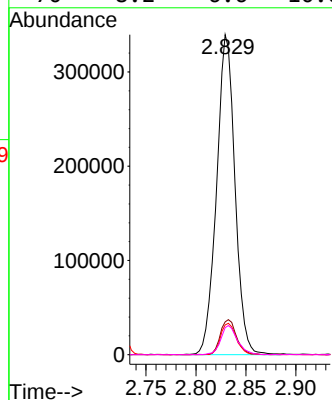
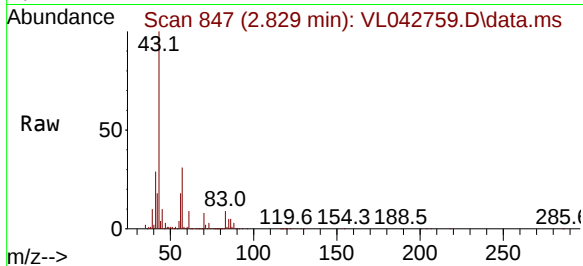




#25
Ethyl Acetate
Concen: 9.681 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

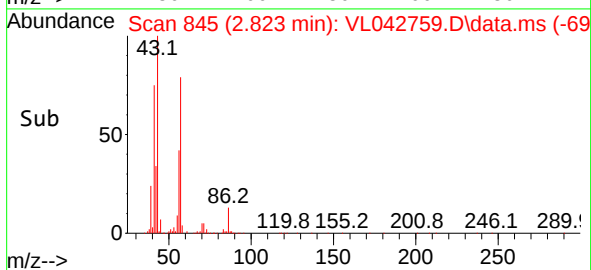
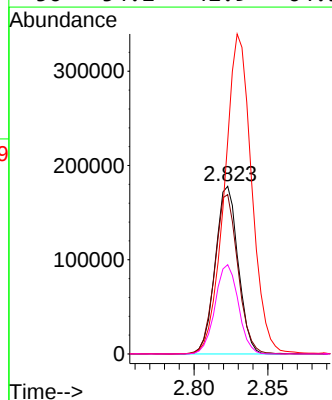
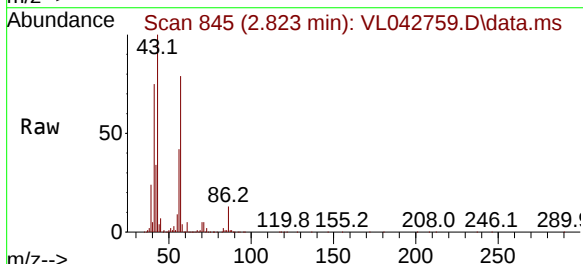
Instrument :
MSVOA_L
ClientSampleId :

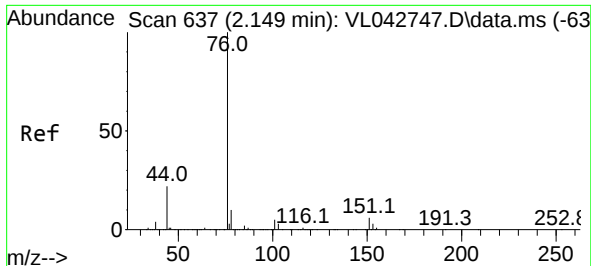
Tgt Ion: 43 Resp: 435118
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.6
61 8.4 6.7 10.1
70 8.2 6.6 10.0



#26
Hexane
Concen: 9.730 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 57 Resp: 191824
Ion Ratio Lower Upper
57 100
41 96.7 75.4 113.2
43 227.7 185.0 277.6
56 54.2 42.9 64.3

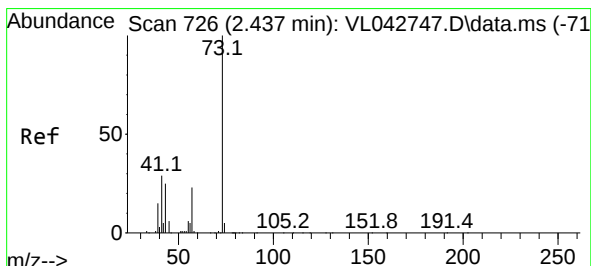
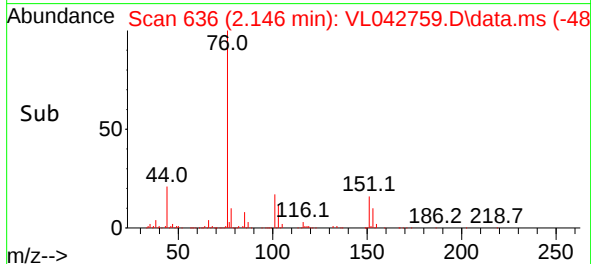
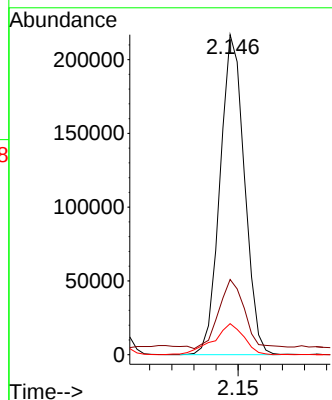
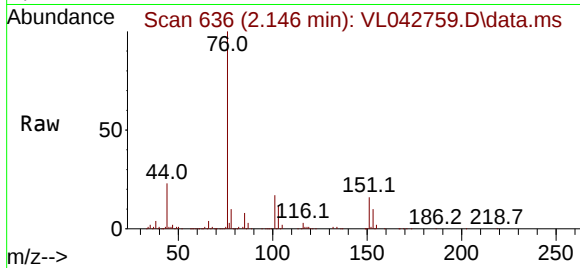




#27
Carbon Disulfide
Concen: 9.858 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

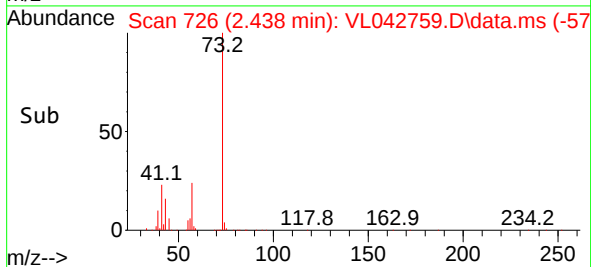
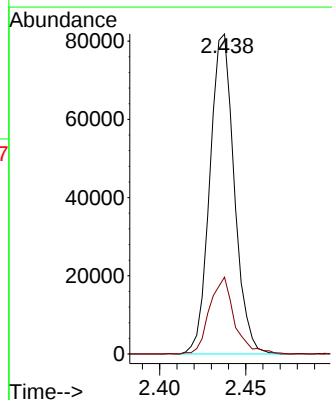
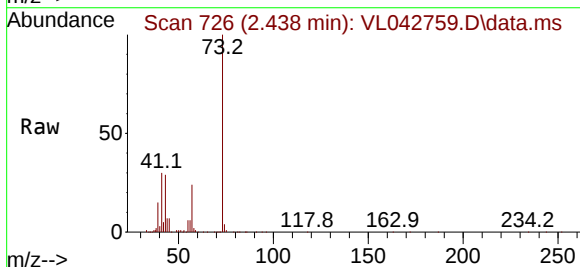
Instrument :
MSVOA_L
ClientSampleId :

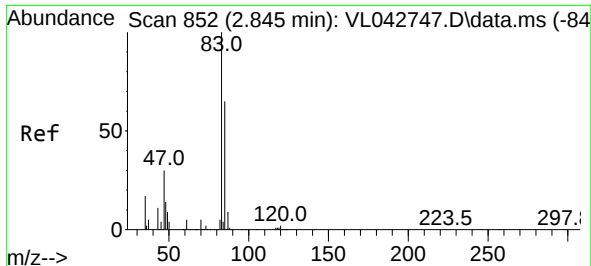
Tgt Ion: 76 Resp: 166394
Ion Ratio Lower Upper
76 100
44 26.7 19.3 28.9
78 12.1 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 8.666 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 73 Resp: 80712
Ion Ratio Lower Upper
73 100
57 24.4 19.8 29.8





#29

Chloroform

Concen: 9.717 ppbv

RT: 2.845 min Scan# 852

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

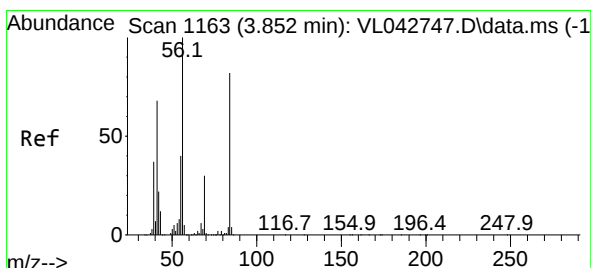
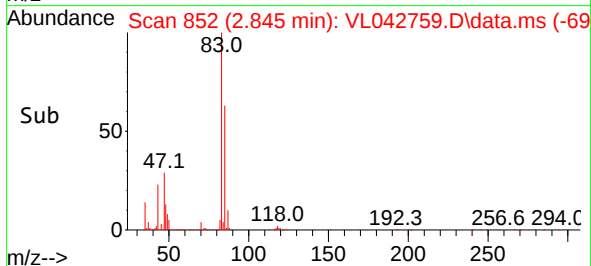
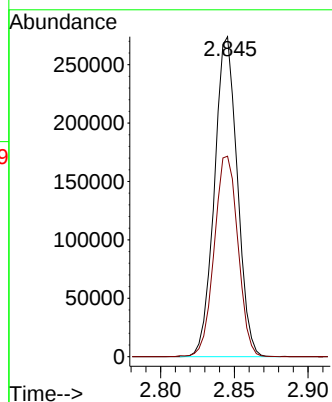
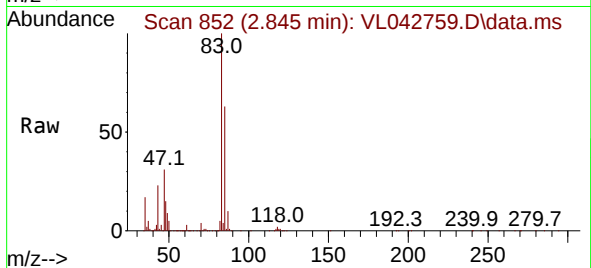
ClientSampleId :

Tgt Ion: 83 Resp: 296040

Ion Ratio Lower Upper

83 100

85 62.6 52.2 78.2



#30

Cyclohexane

Concen: 9.711 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

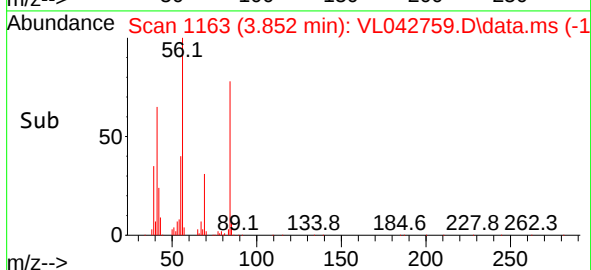
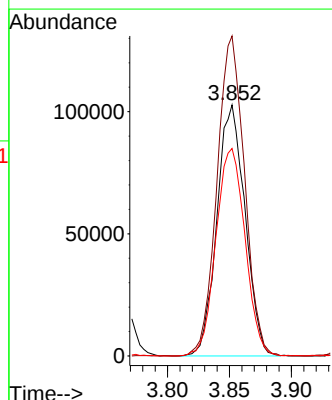
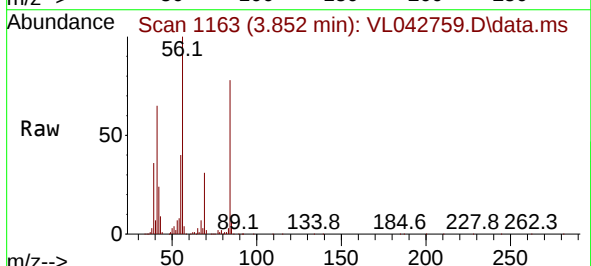
Tgt Ion: 84 Resp: 162375

Ion Ratio Lower Upper

84 100

56 125.0 97.5 146.3

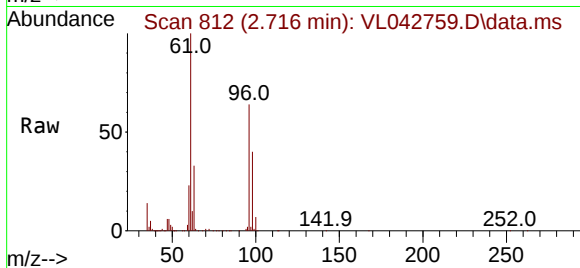
41 85.8 67.2 100.8



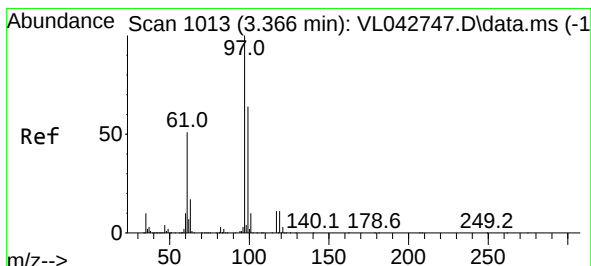
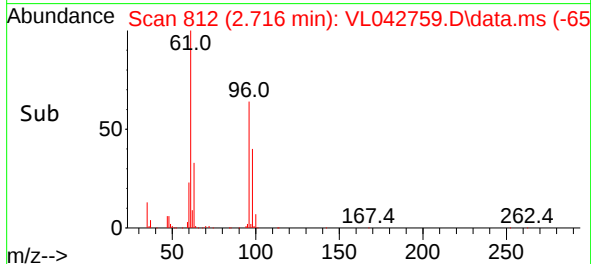
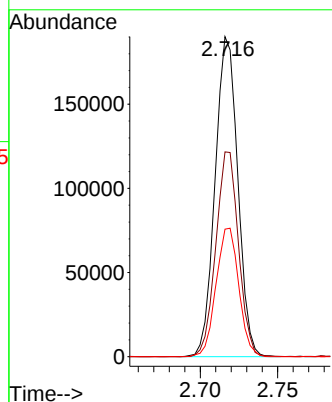


#31
 cis-1,2-Dichloroethene
 Concen: 9.548 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Instrument :
 MSVOA_L
 ClientSampleId :

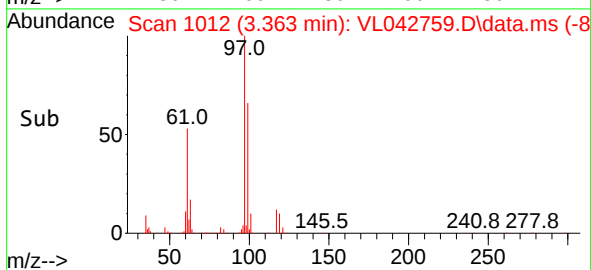
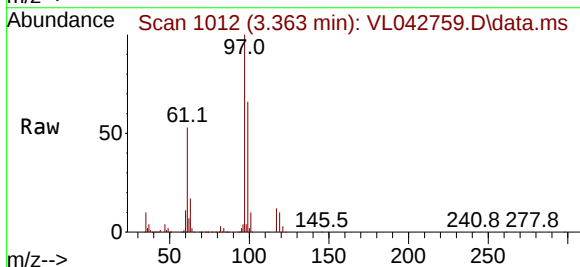
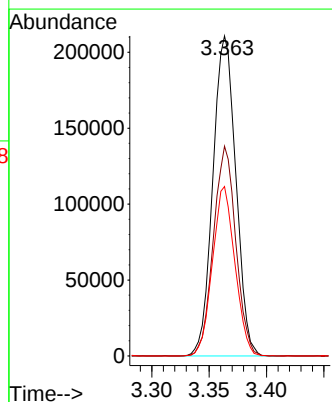


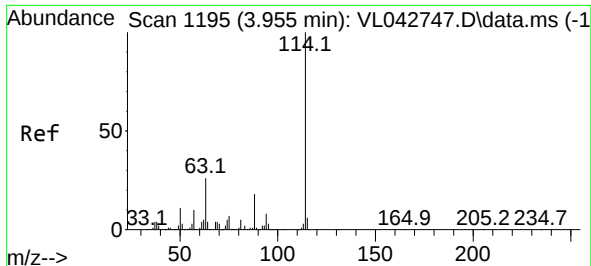
Tgt Ion: 61 Resp: 193439
 Ion Ratio Lower Upper
 61 100
 96 64.0 53.5 80.3
 98 39.8 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.250 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Tgt Ion: 97 Resp: 293531
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.6
 61 51.8 40.9 61.3

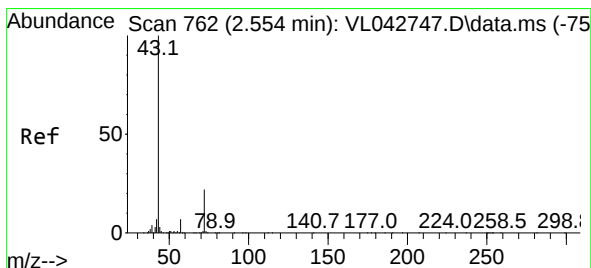
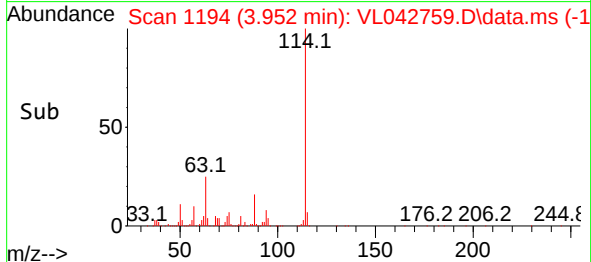
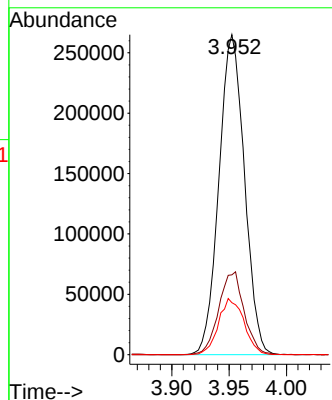
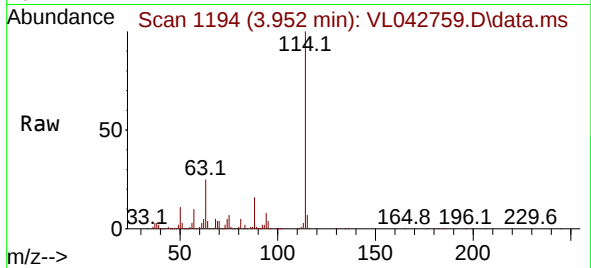




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

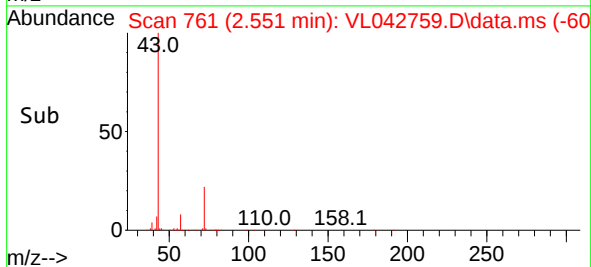
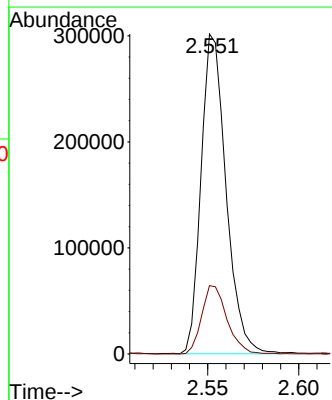
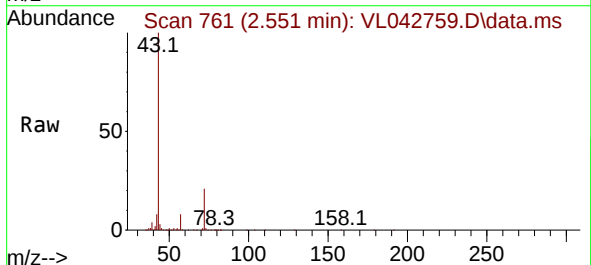
Instrument :
MSVOA_L
ClientSampleId :

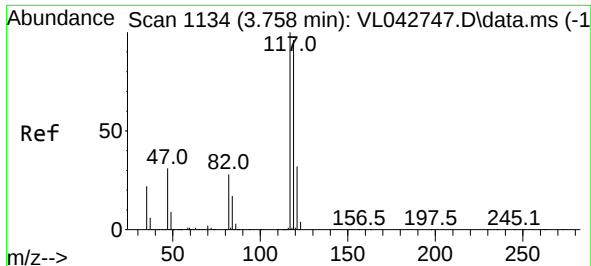
Tgt Ion:114 Resp: 409745
Ion Ratio Lower Upper
114 100
63 25.9 20.5 30.7
88 17.6 14.0 21.0



#34
2-Butanone
Concen: 9.923 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 288013
Ion Ratio Lower Upper
43 100
72 21.8 17.4 26.0

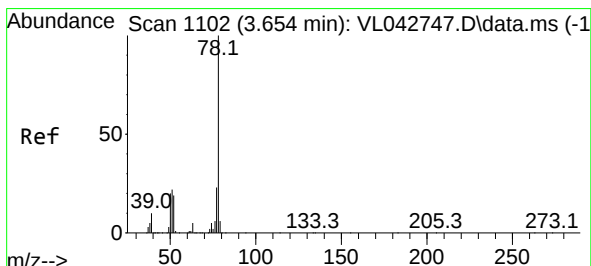
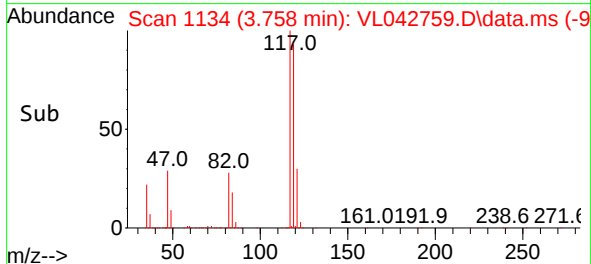
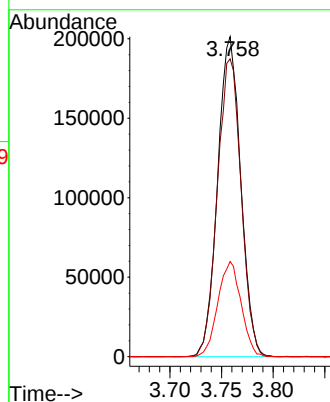
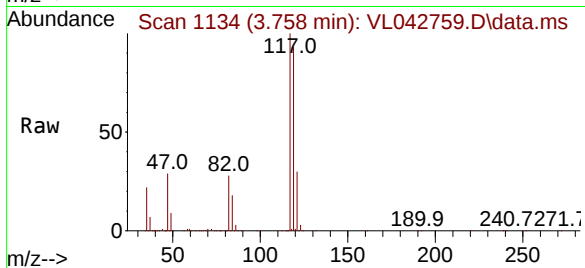




#35
Carbon Tetrachloride
Concen: 10.284 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

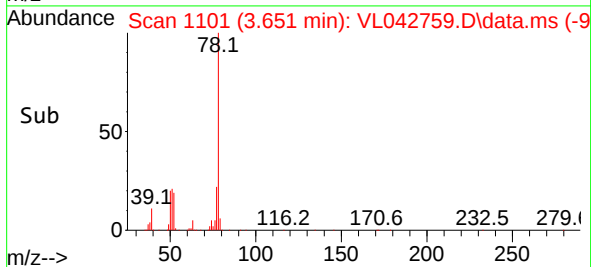
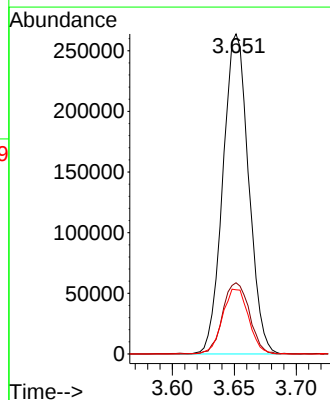
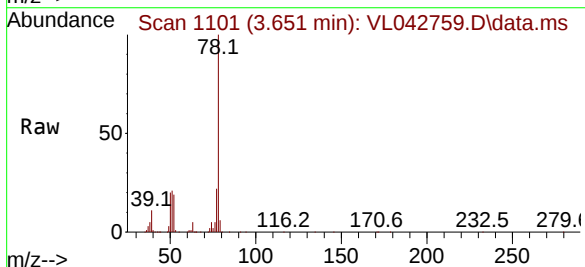
Instrument :
MSVOA_L
ClientSampleId :

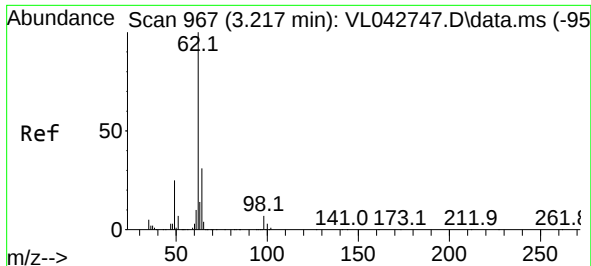
Tgt Ion:117 Resp: 313003
Ion Ratio Lower Upper
117 100
119 93.1 77.1 115.7
121 29.8 25.5 38.3



#36
Benzene
Concen: 9.842 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 78 Resp: 382210
Ion Ratio Lower Upper
78 100
77 22.2 18.5 27.7
50 20.0 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.152 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

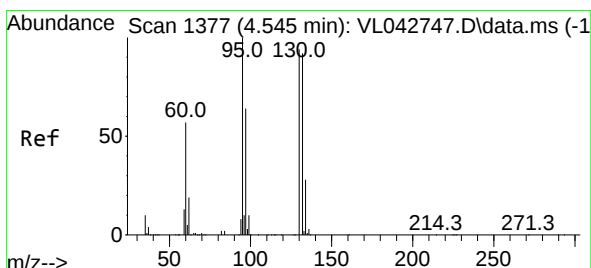
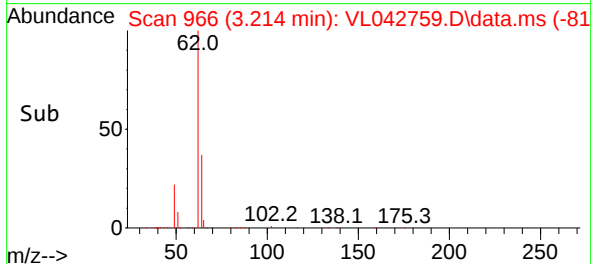
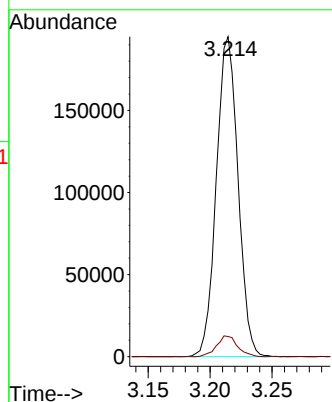
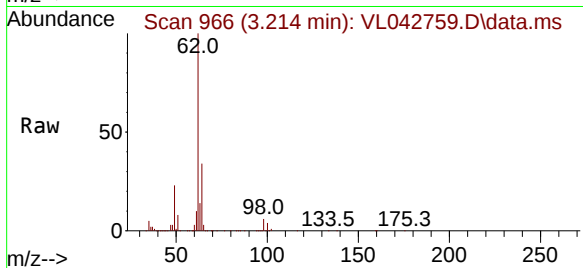
ClientSampleId :

Tgt Ion: 62 Resp: 237484

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



#38

Trichloroethene

Concen: 9.164 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Tgt Ion:130 Resp: 170959

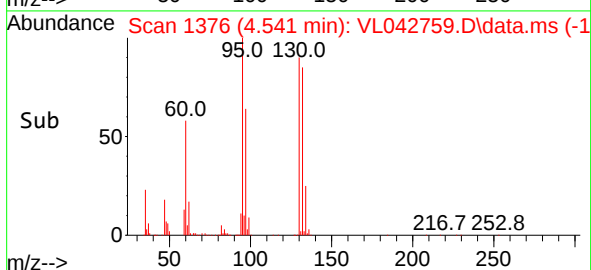
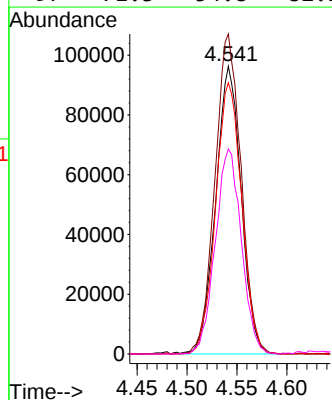
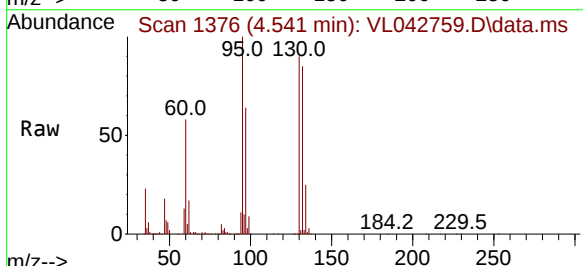
Ion Ratio Lower Upper

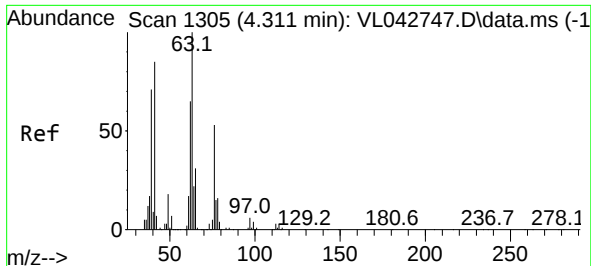
130 100

95 111.2 85.4 128.2

132 94.2 78.2 117.2

97 71.3 54.8 82.2





#39

1,2-Dichloropropane

Concen: 9.855 ppbv

RT: 4.308 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

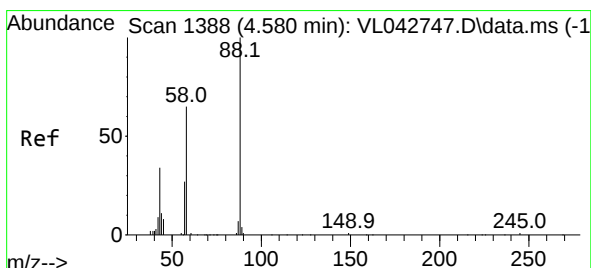
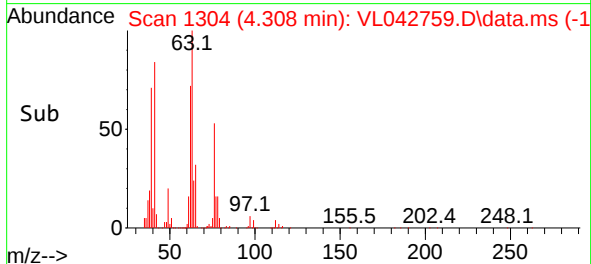
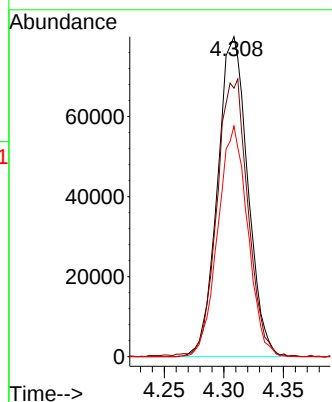
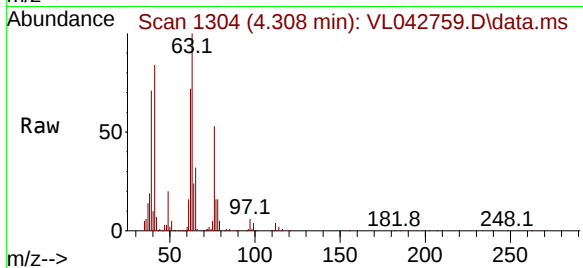
Tgt Ion: 63 Resp: 141270

Ion Ratio Lower Upper

63 100

41 83.4 68.2 102.4

62 71.8 52.0 78.0



#40

1,4-Dioxane

Concen: 9.669 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Tgt Ion: 88 Resp: 64606

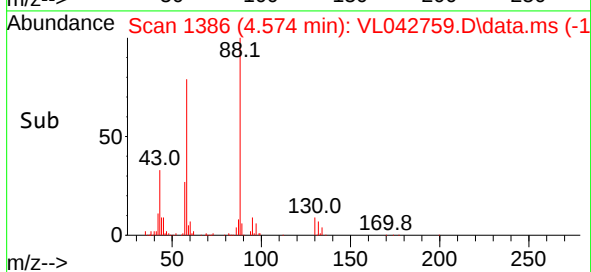
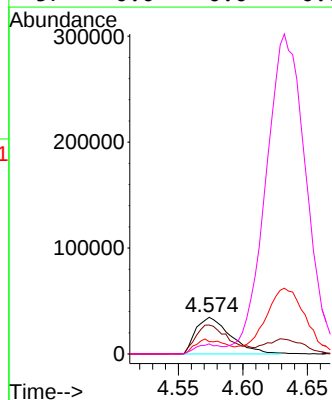
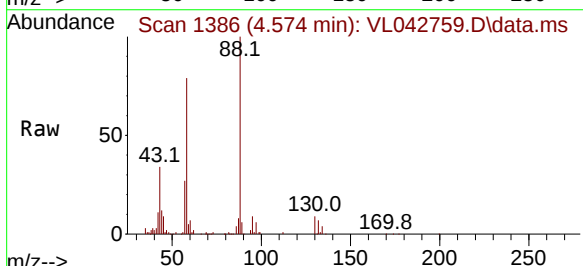
Ion Ratio Lower Upper

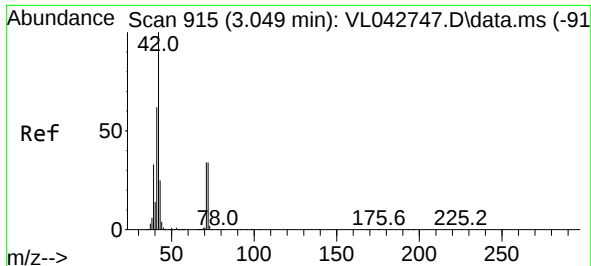
88 100

58 78.0 58.8 88.2

43 40.0 28.9 43.3

57 0.0 0.0 0.0

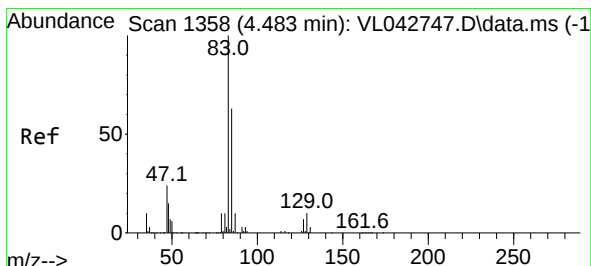
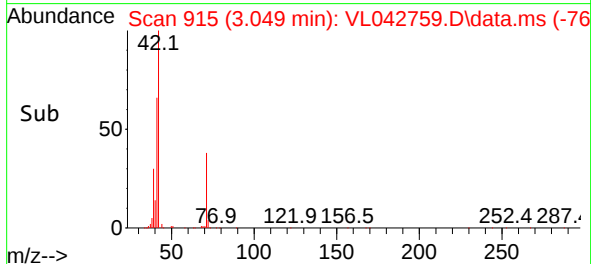
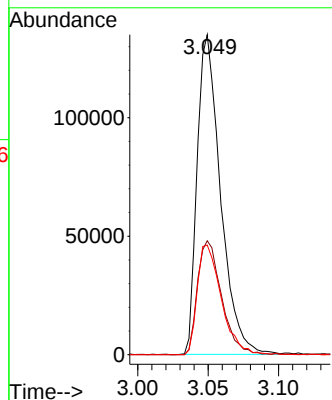
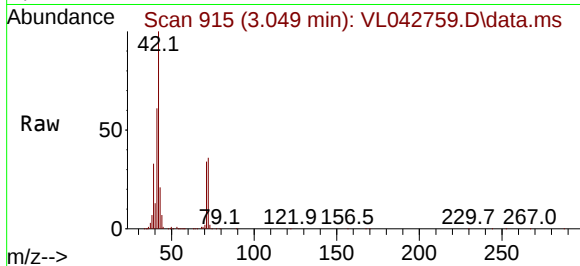




#41
Tetrahydrofuran
Concen: 10.549 ppbv
RT: 3.049 min Scan# 915
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

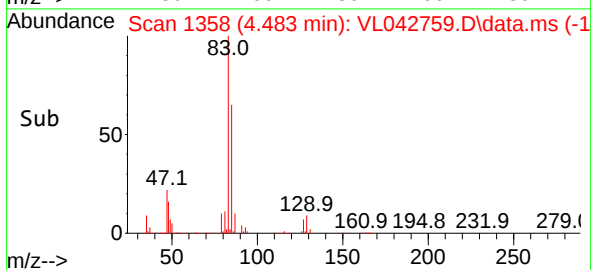
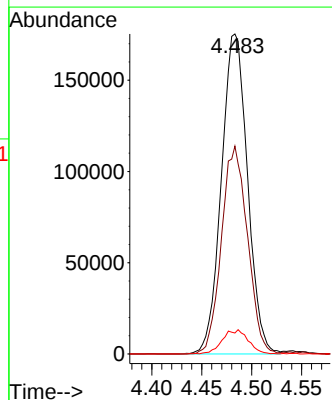
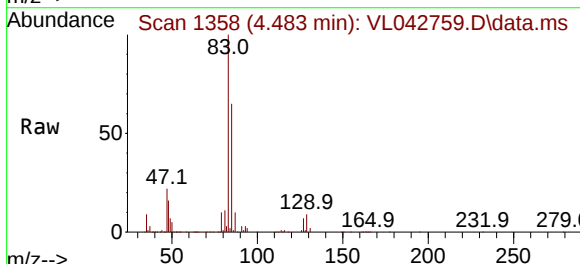
Instrument :
MSVOA_L
ClientSampleId :

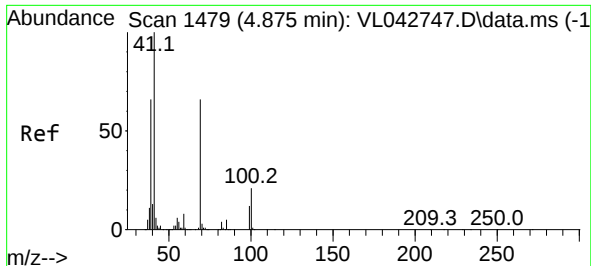
Tgt Ion: 42 Resp: 155794
Ion Ratio Lower Upper
42 100
72 36.9 30.9 46.3
71 35.5 28.6 43.0



#42
Bromodichloromethane
Concen: 10.486 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 83 Resp: 319463
Ion Ratio Lower Upper
83 100
85 65.0 50.2 75.4
127 6.5 5.4 8.2

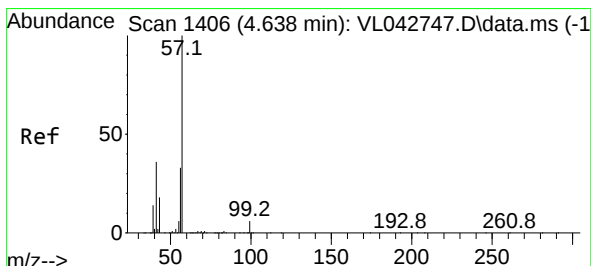
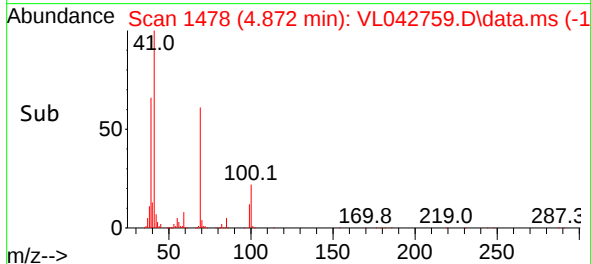
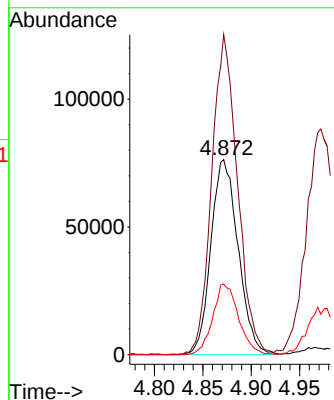
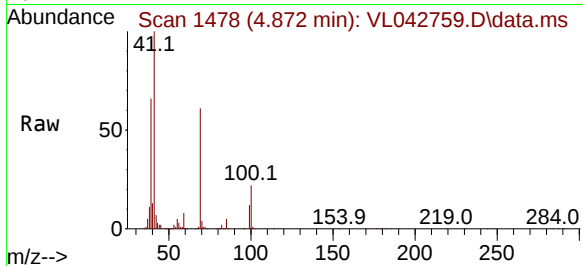




#43
Methyl Methacrylate
Concen: 10.835 ppbv
RT: 4.872 min Scan# 1479
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

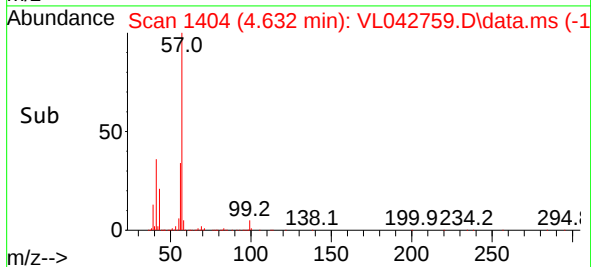
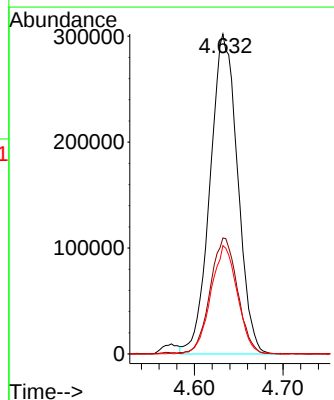
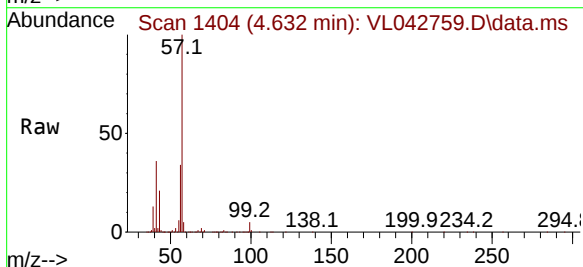
Instrument :
MSVOA_L
ClientSampleId :

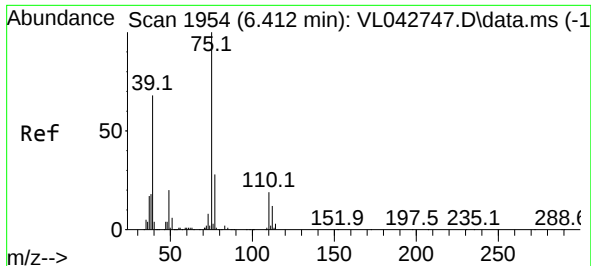
Tgt Ion: 69 Resp: 149548
Ion Ratio Lower Upper
69 100
41 154.4 125.7 188.5
100 34.3 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 10.308 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 57 Resp: 652445
Ion Ratio Lower Upper
57 100
41 36.4 28.3 42.5
56 32.8 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 10.759 ppbv

RT: 6.406 min Scan# 1954

Delta R.T. -0.006 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

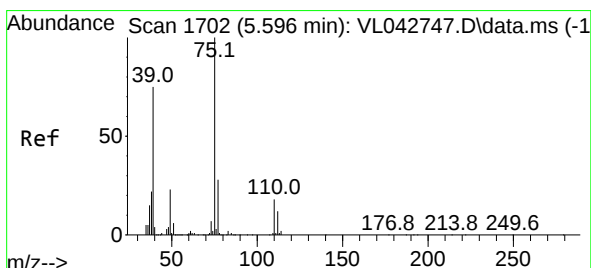
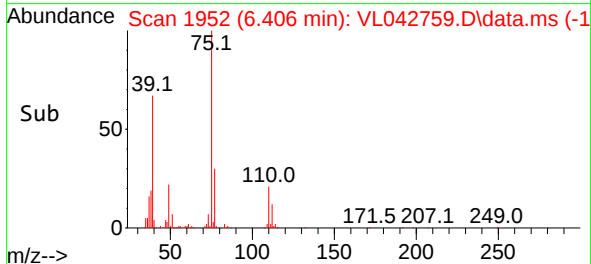
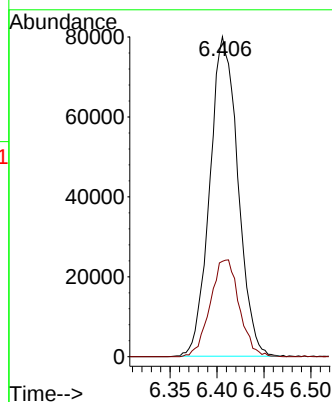
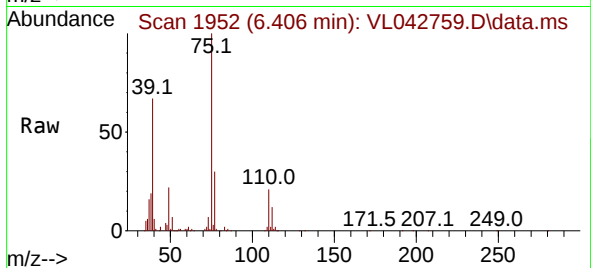
ClientSampleId :

Tgt Ion: 75 Resp: 166529

Ion Ratio Lower Upper

75 100

77 29.8 22.4 33.6



#46

cis-1,3-Dichloropropene

Concen: 10.660 ppbv

RT: 5.590 min Scan# 1700

Delta R.T. -0.006 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

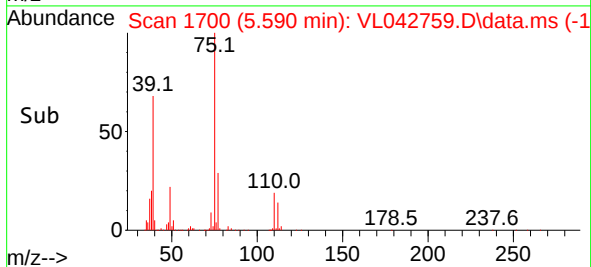
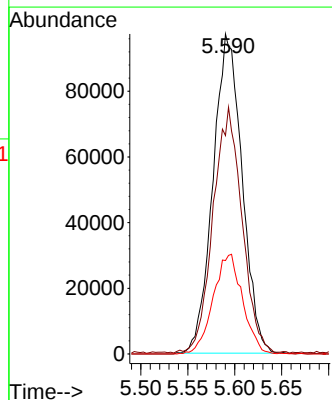
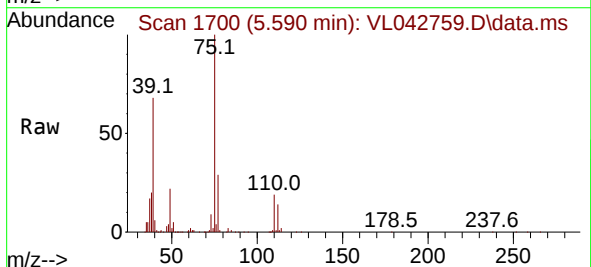
Tgt Ion: 75 Resp: 209089

Ion Ratio Lower Upper

75 100

39 67.9 60.2 90.2

77 29.0 22.6 34.0

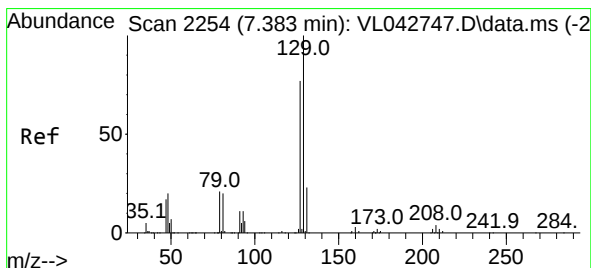
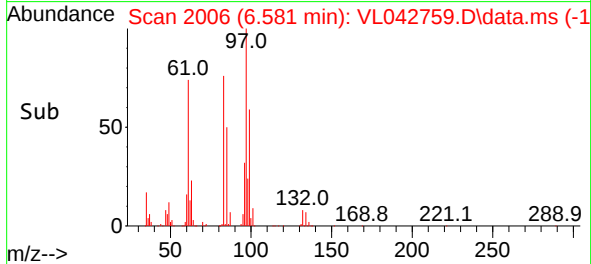
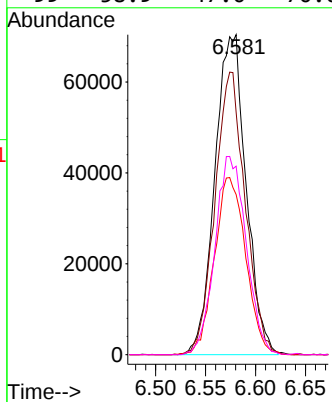
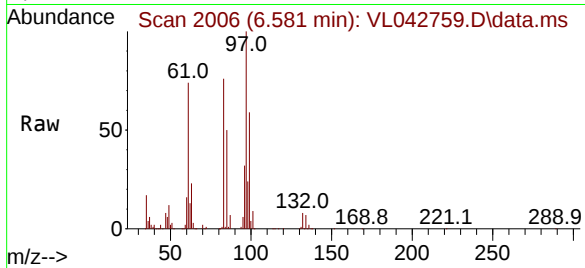




#47
1,1,2-Trichloroethane
Concen: 10.012 ppbv
RT: 6.581 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

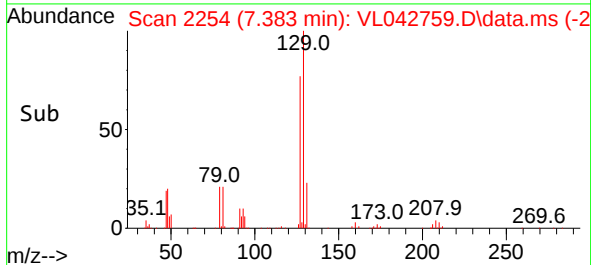
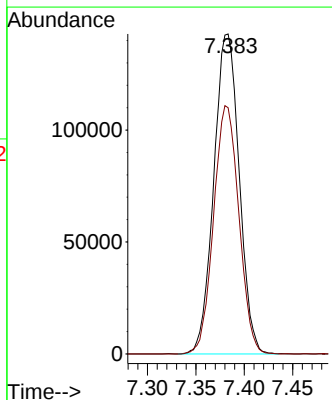
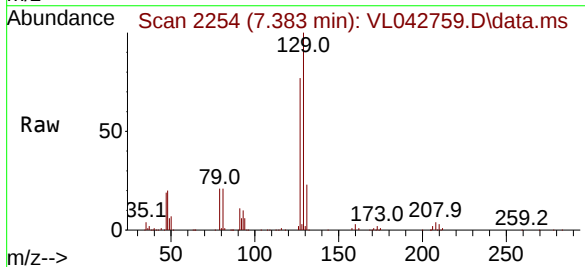
Instrument :
MSVOA_L
ClientSampleId :

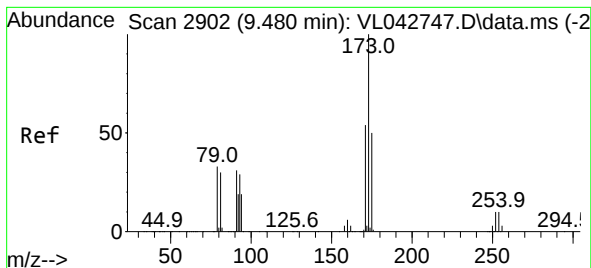
Tgt Ion: 97 Resp: 152989
Ion Ratio Lower Upper
97 100
83 75.8 71.1 106.7
85 49.9 43.0 64.4
99 58.9 47.0 70.6



#48
Dibromochloromethane
Concen: 10.762 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 129 Resp: 261055
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





#49

Bromoform

Concen: 10.984 ppbv

RT: 9.481 min Scan# 2902

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

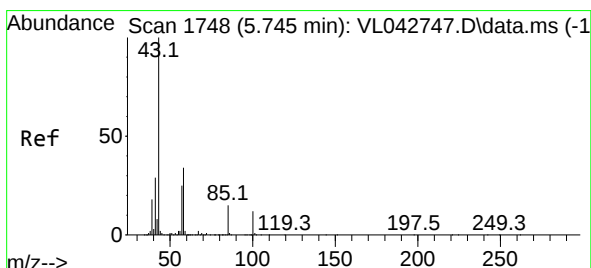
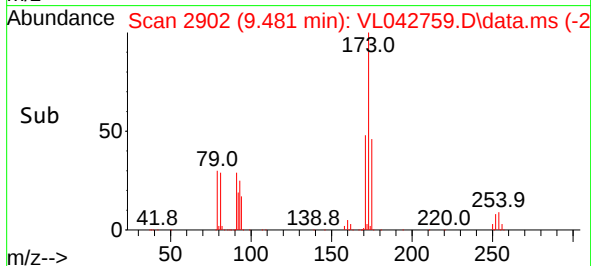
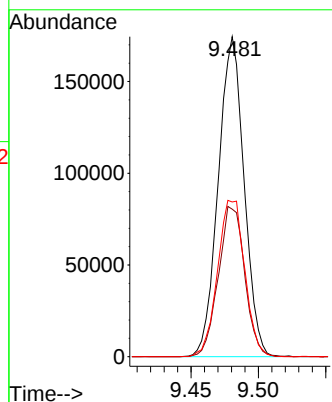
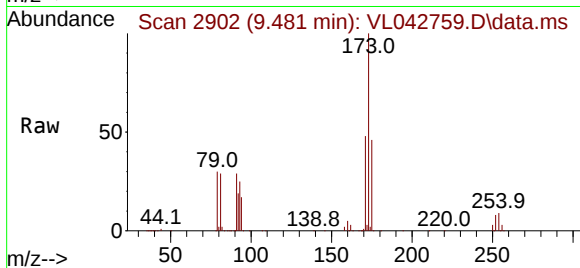
Tgt Ion:173 Resp: 232332

Ion Ratio Lower Upper

173 100

175 47.9 38.4 57.6

171 51.5 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 10.249 ppbv

RT: 5.739 min Scan# 1746

Delta R.T. -0.006 min

Lab File: VL042759.D

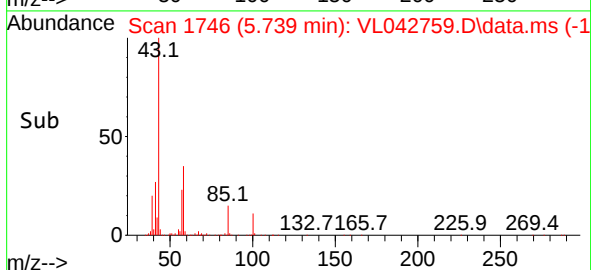
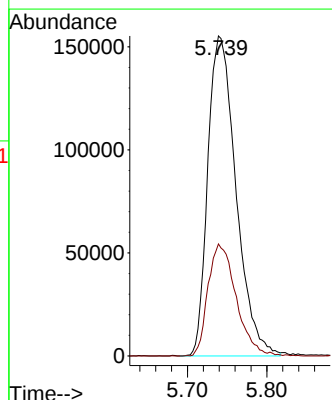
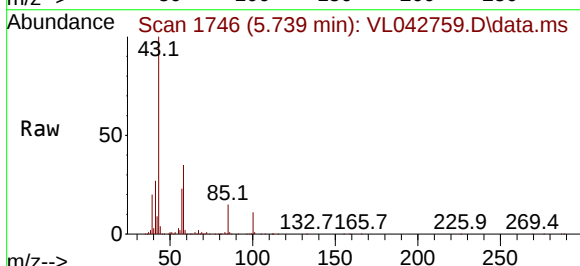
Acq: 24 Jul 2025 10:57

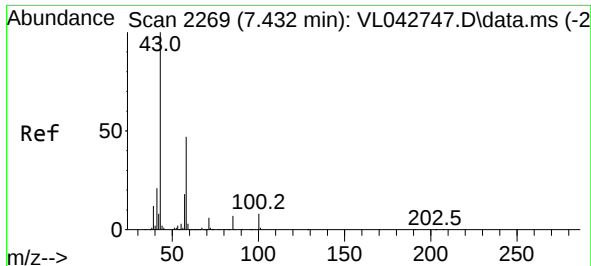
Tgt Ion: 43 Resp: 383204

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.8

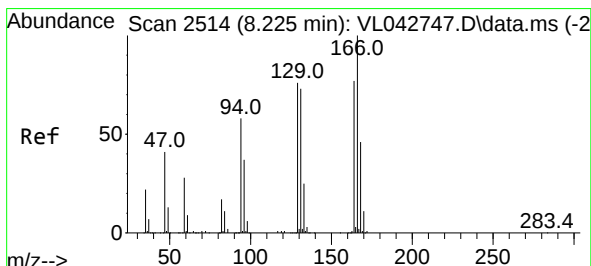
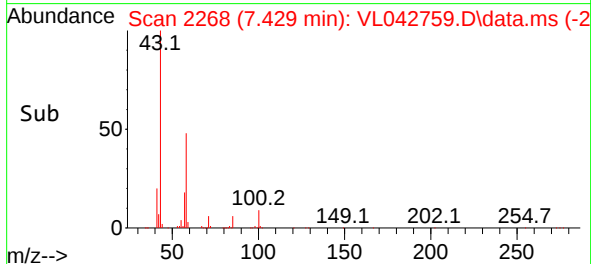
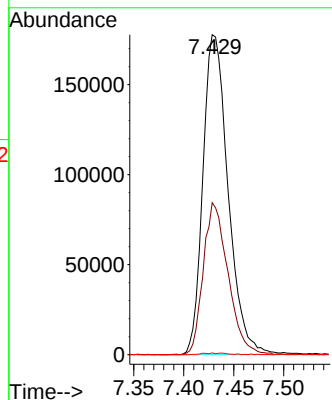
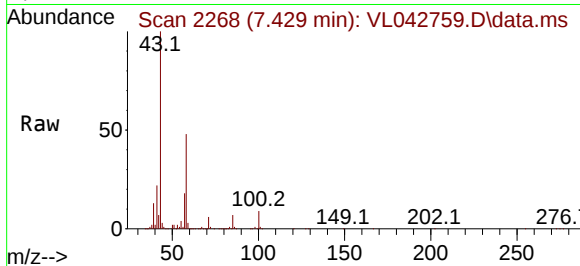




#51
2-Hexanone
Concen: 11.041 ppbv
RT: 7.429 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

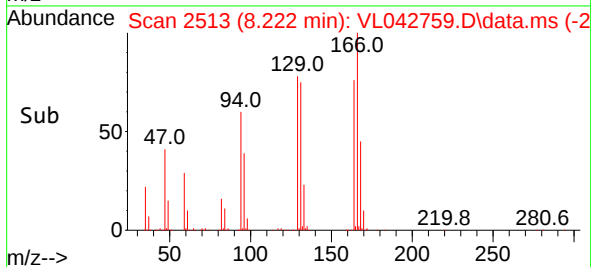
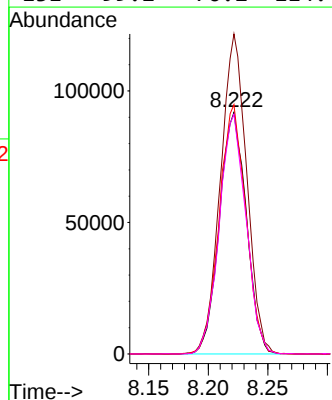
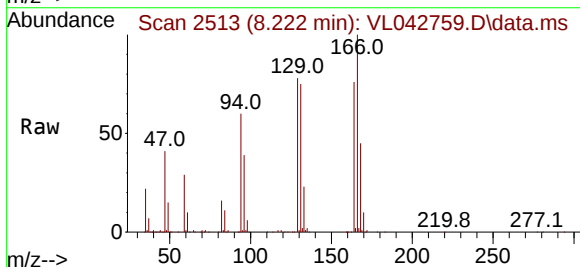
Instrument :
MSVOA_L
ClientSampleId :

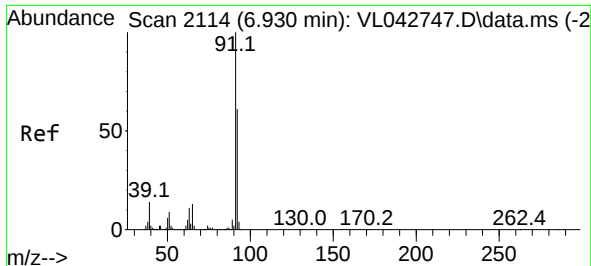
Tgt Ion: 43 Resp: 311933
Ion Ratio Lower Upper
43 100
58 46.7 38.0 57.0
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 8.934 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:164 Resp: 143808
Ion Ratio Lower Upper
164 100
166 132.4 104.0 156.0
129 103.1 79.2 118.8
131 99.2 76.2 114.4

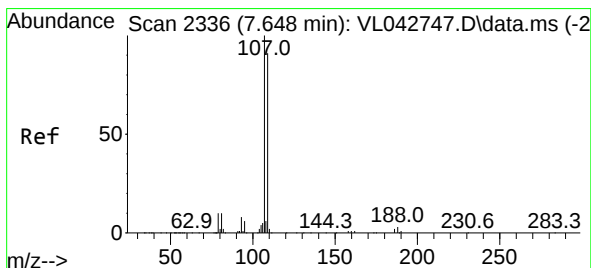
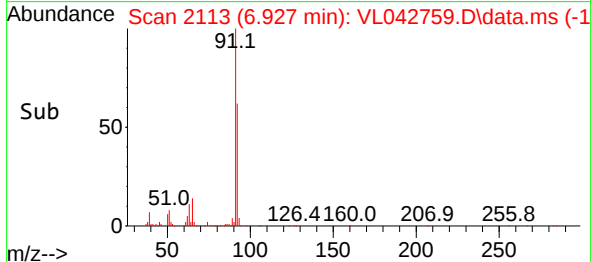
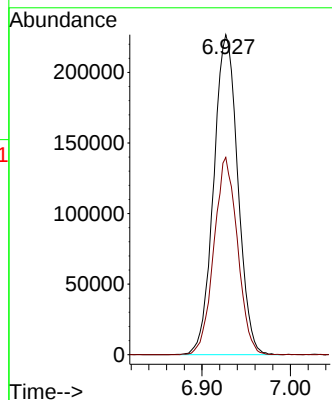
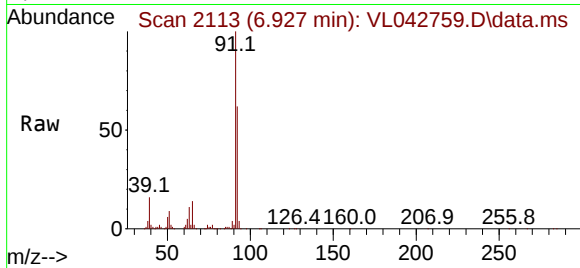




#53
Toluene
Concen: 10.310 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

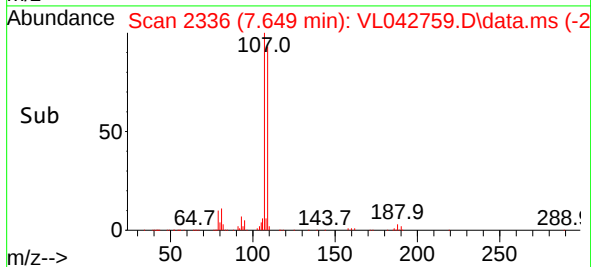
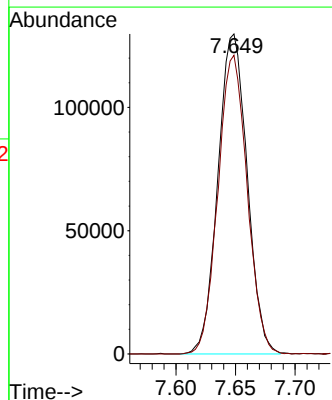
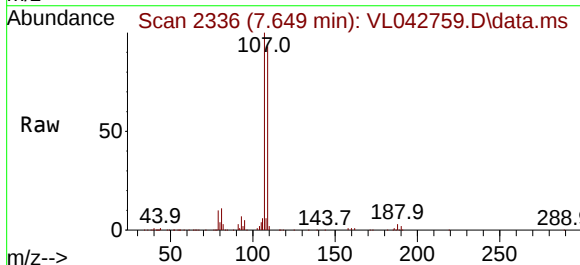
Instrument :
MSVOA_L
ClientSampleId :

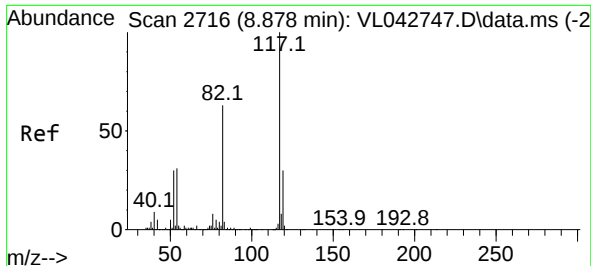
Tgt Ion: 91 Resp: 429910
Ion Ratio Lower Upper
91 100
92 60.2 48.0 72.0



#54
1,2-Dibromoethane
Concen: 10.275 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 107 Resp: 221820
Ion Ratio Lower Upper
107 100
109 93.4 72.7 109.1

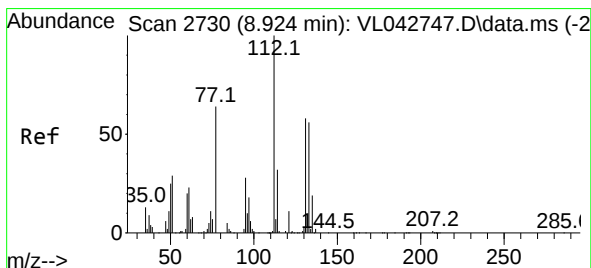
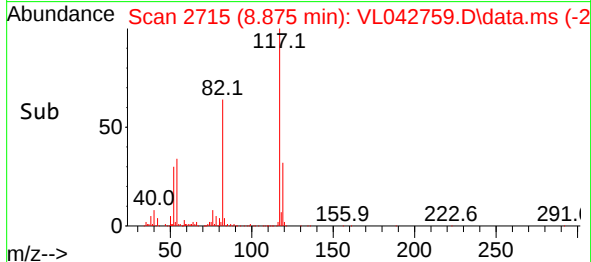
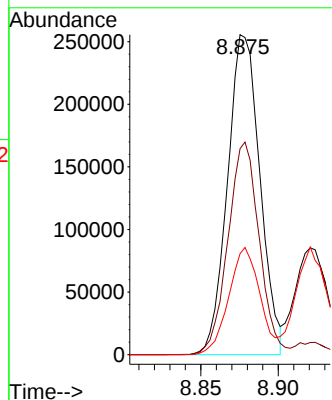
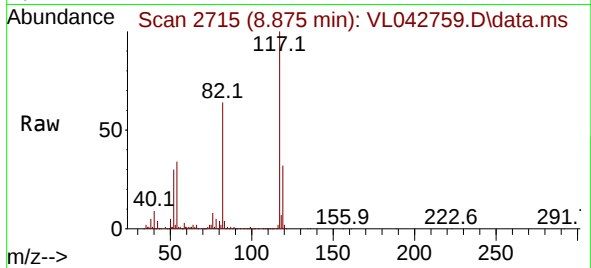




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

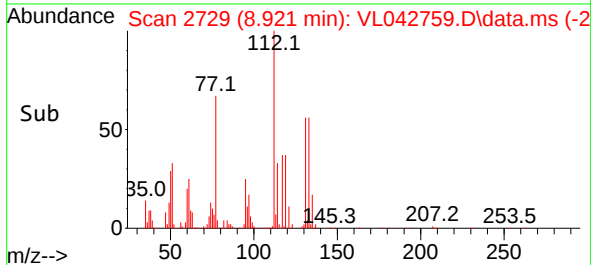
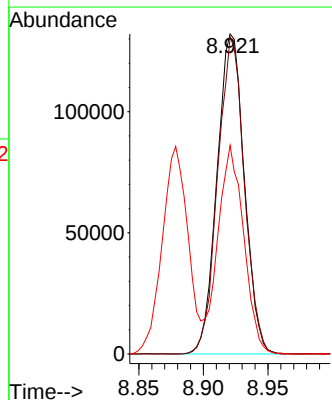
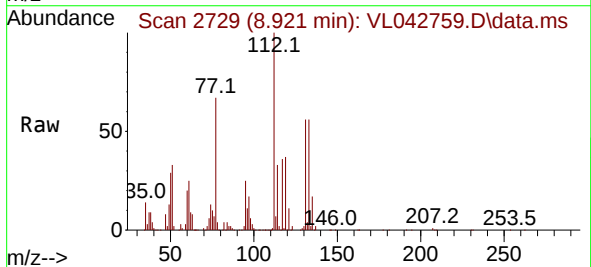
Instrument :
MSVOA_L
ClientSampleId :

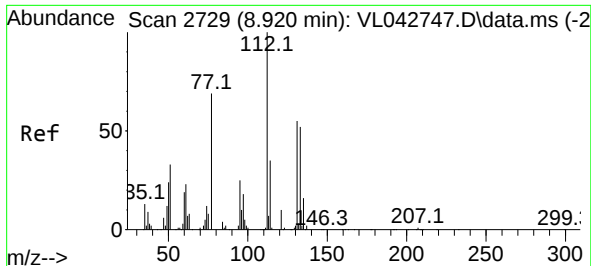
Tgt Ion:117 Resp: 372748
Ion Ratio Lower Upper
117 100
82 67.8 53.3 79.9
119 31.3 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 10.027 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:131 Resp: 194327
Ion Ratio Lower Upper
131 100
133 96.5 76.8 115.2
119 62.1 49.7 74.5

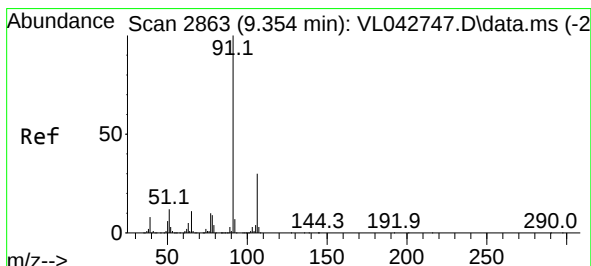
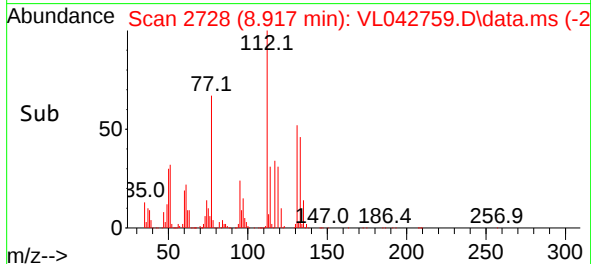
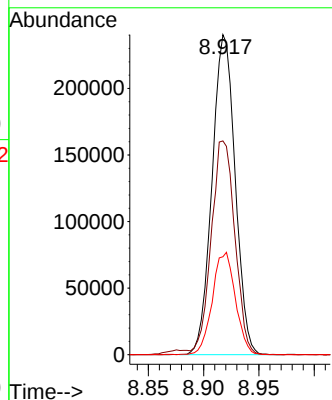
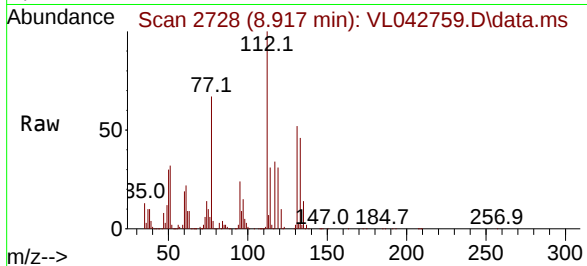




#57
Chlorobenzene
Concen: 9.673 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

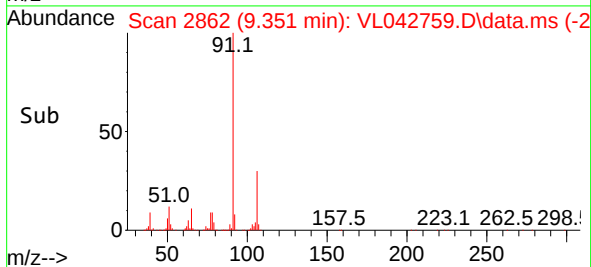
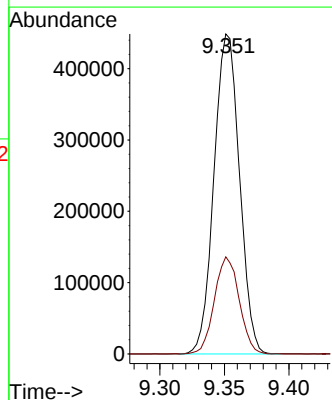
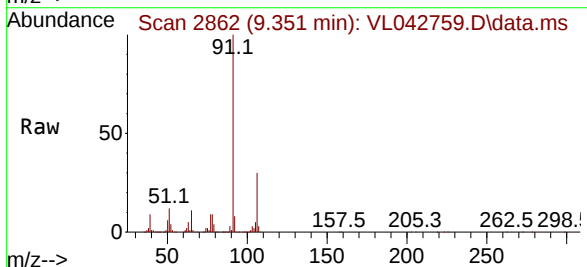
Instrument :
MSVOA_L
ClientSampleId :

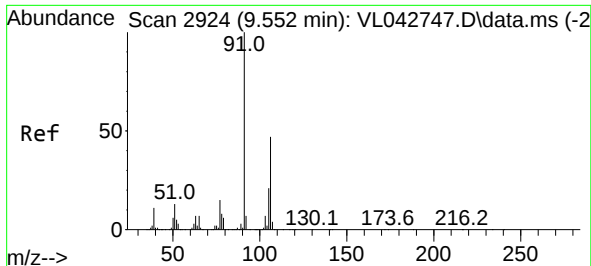
Tgt Ion:112 Resp: 348937
Ion Ratio Lower Upper
112 100
77 66.8 56.4 84.6
114 30.6 31.2 38.2#



#58
Ethyl Benzene
Concen: 10.460 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 615722
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6





#59

m/p-Xylene

Concen: 9.876 ppbv

RT: 9.549 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

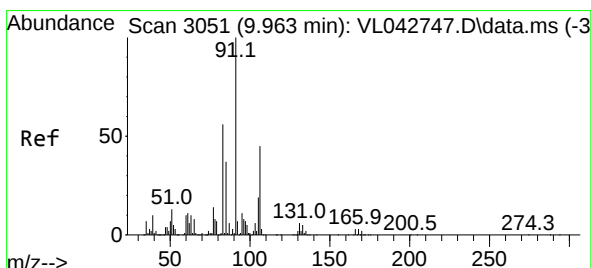
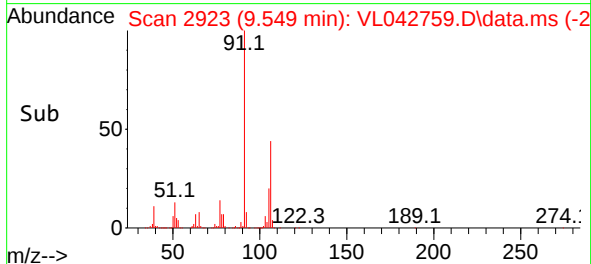
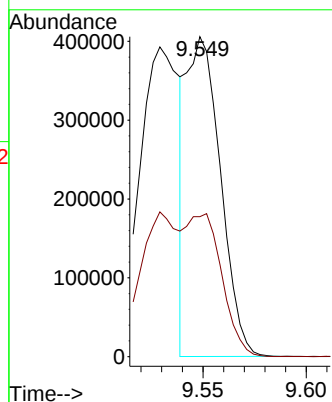
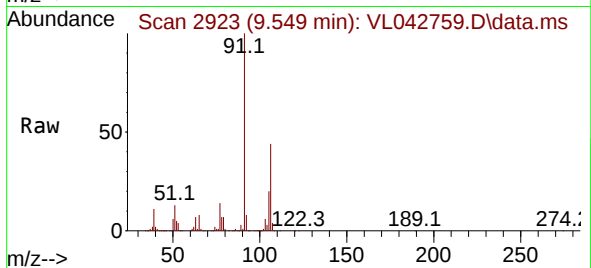
ClientSampleId :

Tgt Ion: 91 Resp: 464623

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 10.504 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042759.D

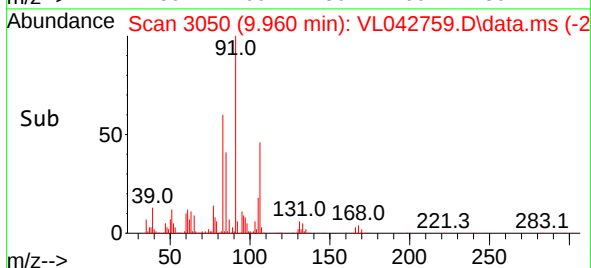
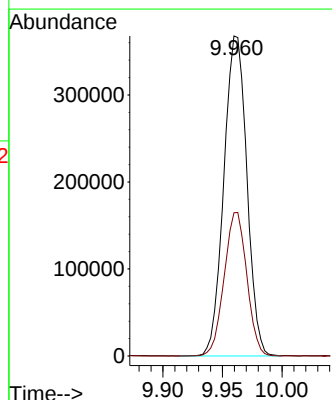
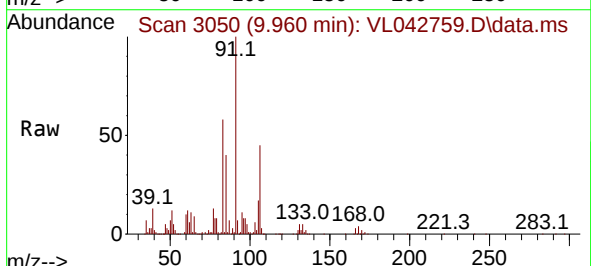
Acq: 24 Jul 2025 10:57

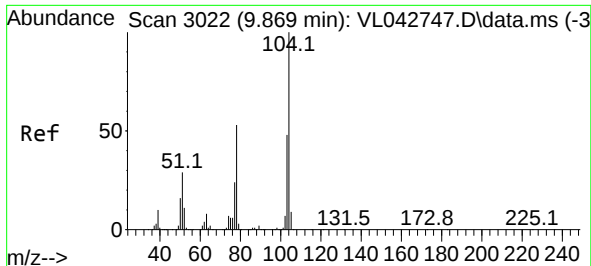
Tgt Ion: 91 Resp: 493768

Ion Ratio Lower Upper

91 100

106 44.0 22.0 66.0

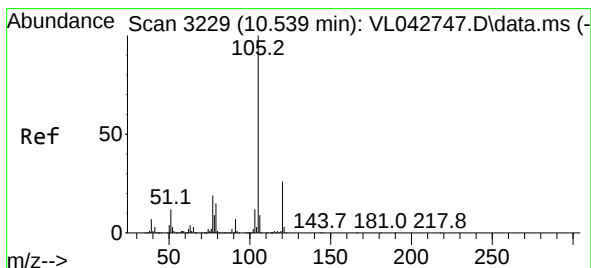
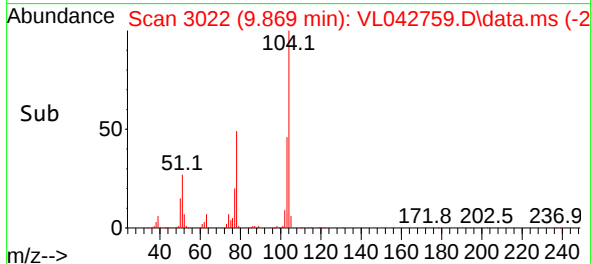
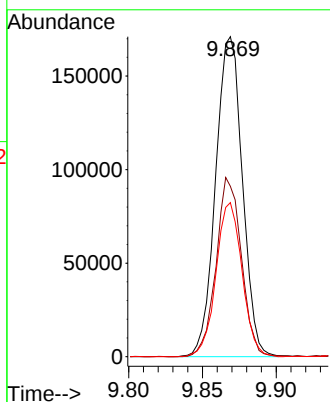
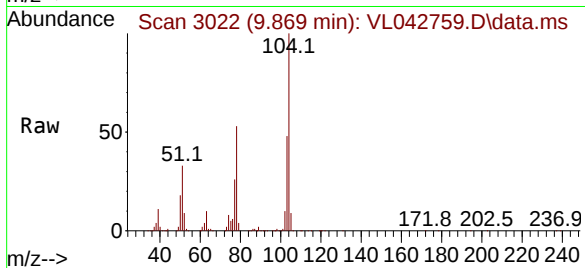




#61
Styrene
Concen: 10.938 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

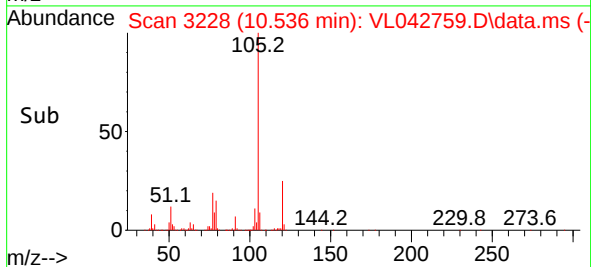
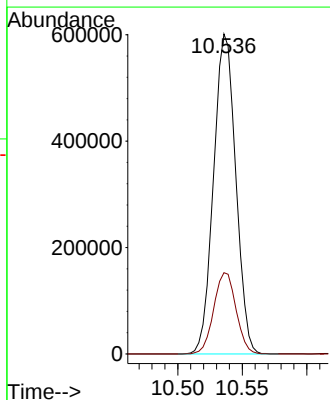
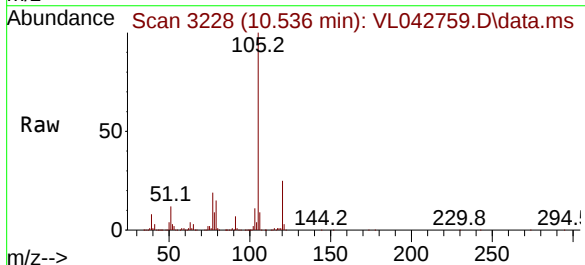
Instrument :
MSVOA_L
ClientSampleId :

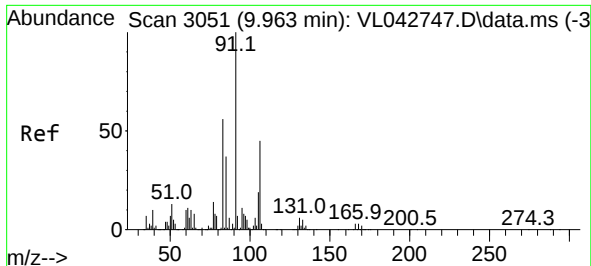
Tgt Ion:104 Resp: 216283
Ion Ratio Lower Upper
104 100
78 53.0 41.5 62.3
103 46.9 37.5 56.3



#62
Isopropylbenzene
Concen: 10.365 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 718669
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7

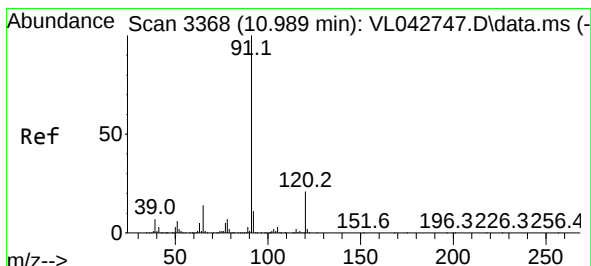
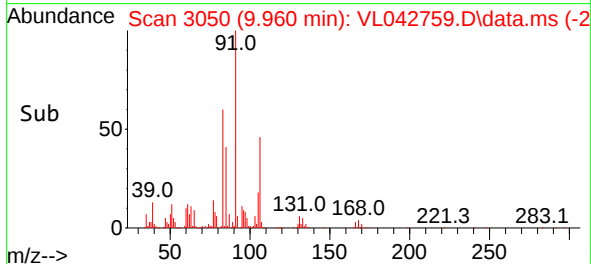
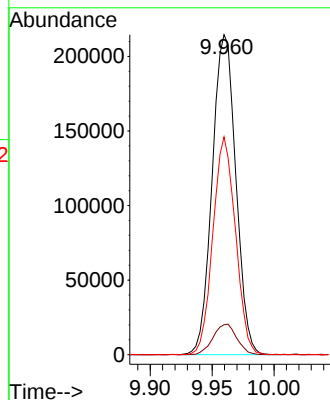
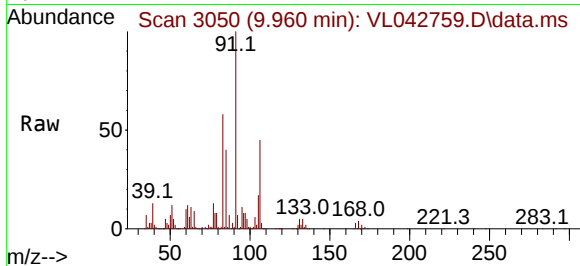




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.462 ppbv
 RT: 9.960 min Scan# 3051
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

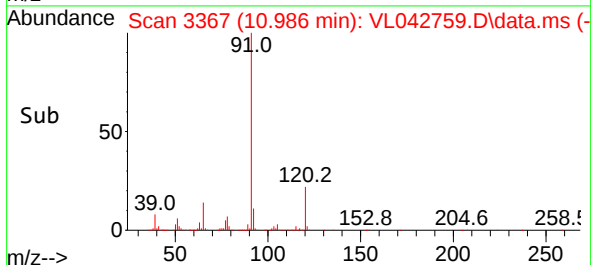
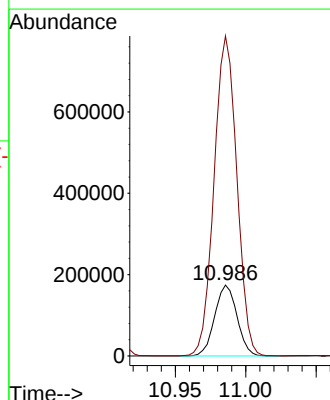
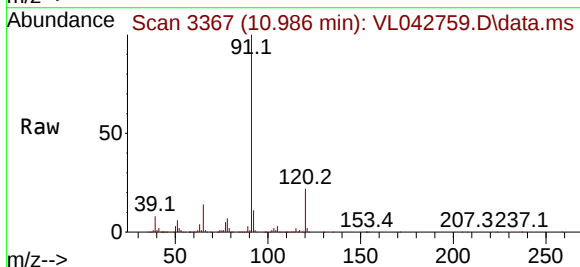
Instrument :
 MSVOA_L
 ClientSampleId :

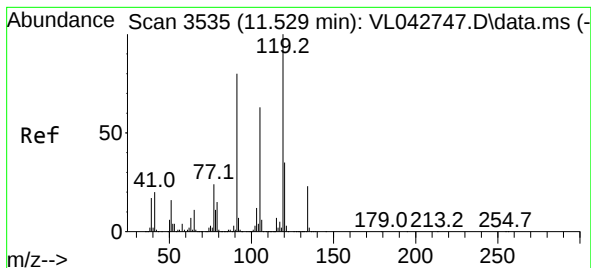
Tgt Ion: 83 Resp: 285543
 Ion Ratio Lower Upper
 83 100
 131 9.6 5.0 15.0
 85 64.8 32.6 97.7



#64
 n-propylbenzene
 Concen: 10.641 ppbv
 RT: 10.986 min Scan# 3367
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Tgt Ion: 120 Resp: 192364
 Ion Ratio Lower Upper
 120 100
 91 460.8 372.7 559.1





#65

tert-Butylbenzene

Concen: 10.458 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

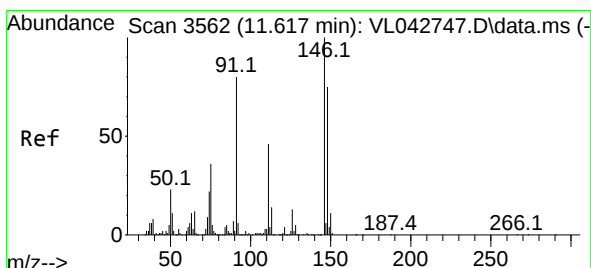
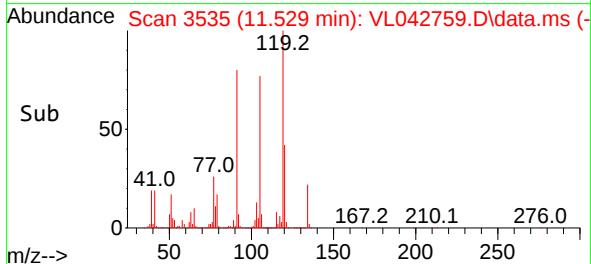
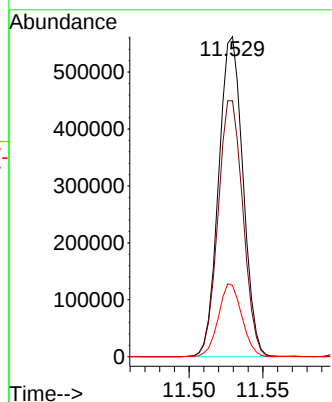
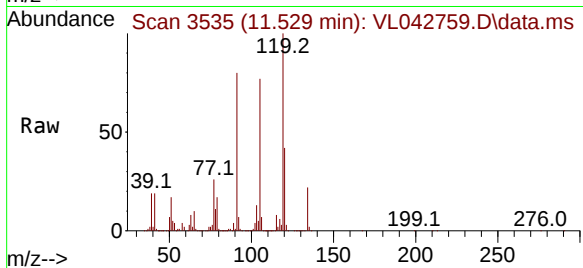
Tgt Ion:119 Resp: 644135

Ion Ratio Lower Upper

119 100

91 82.1 64.0 96.0

134 22.0 17.3 25.9



#66

Benzyl Chloride

Concen: 11.562 ppbv

RT: 11.614 min Scan# 3561

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

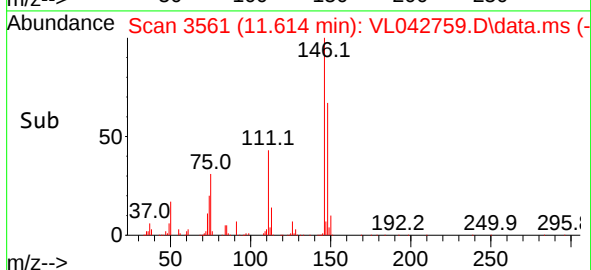
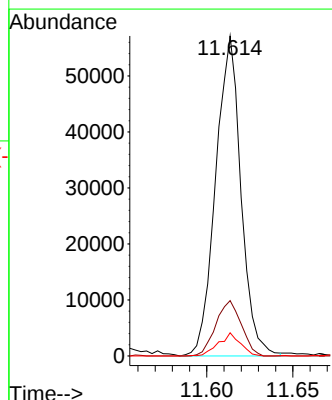
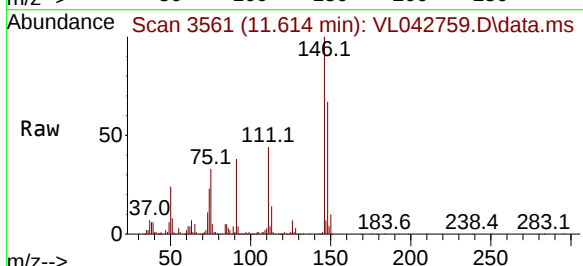
Tgt Ion: 91 Resp: 58462

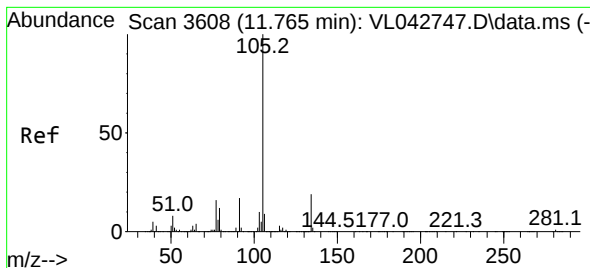
Ion Ratio Lower Upper

91 100

126 17.4 14.4 21.6

128 6.3 5.2 7.8





#67

sec-Butylbenzene

Concen: 10.335 ppbv

RT: 11.766 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

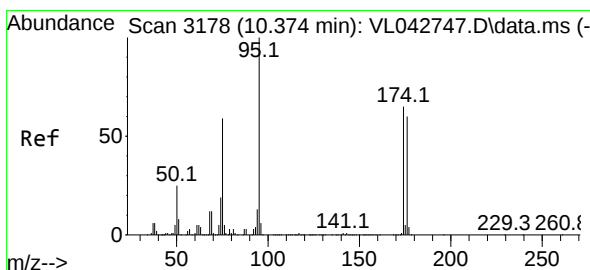
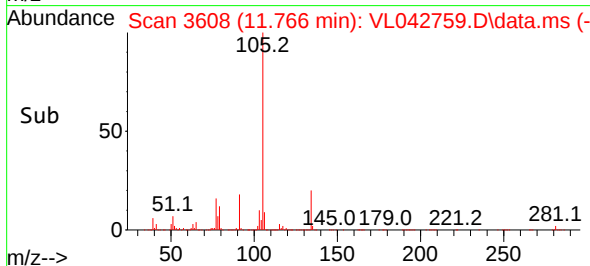
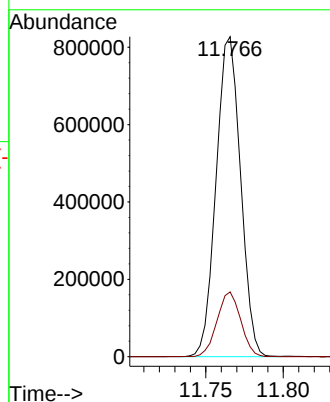
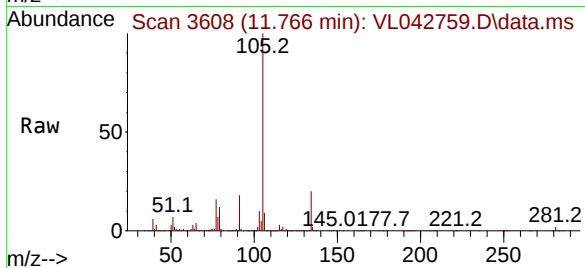
ClientSampleId :

Tgt Ion:105 Resp: 905326

Ion Ratio Lower Upper

105 100

134 19.6 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.226 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.000 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

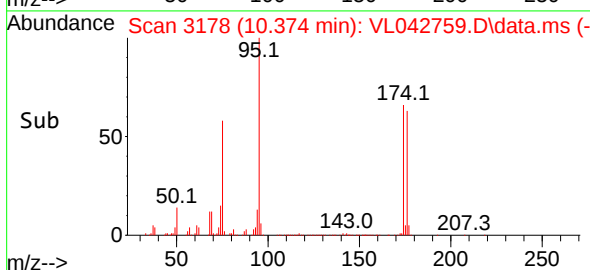
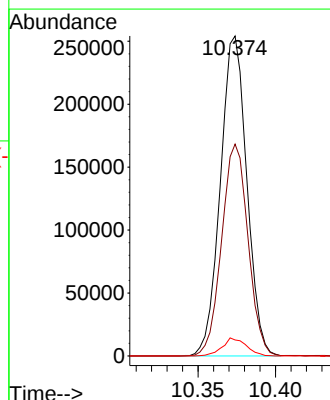
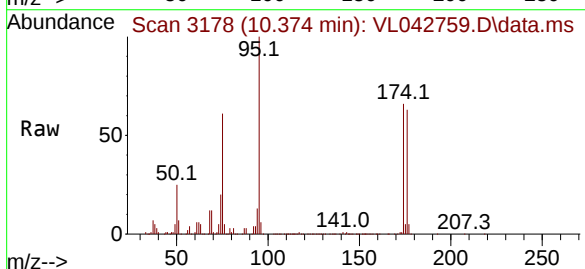
Tgt Ion: 95 Resp: 301860

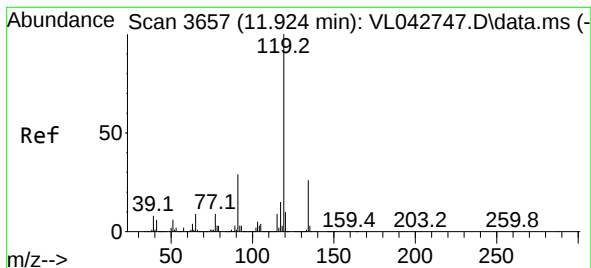
Ion Ratio Lower Upper

95 100

174 66.2 53.8 80.6

175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.839 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

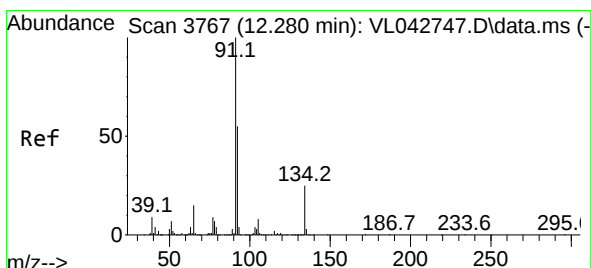
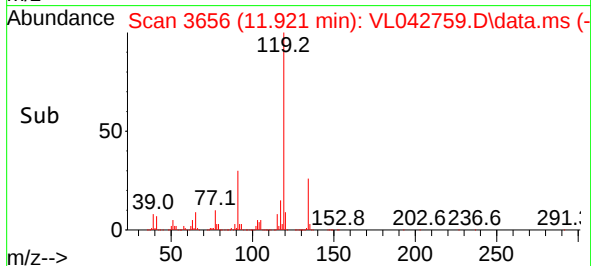
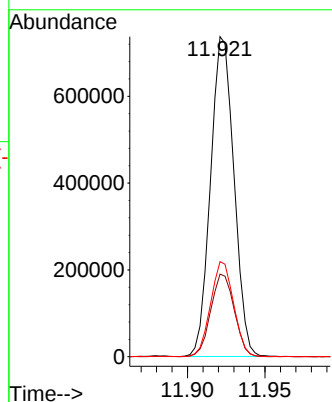
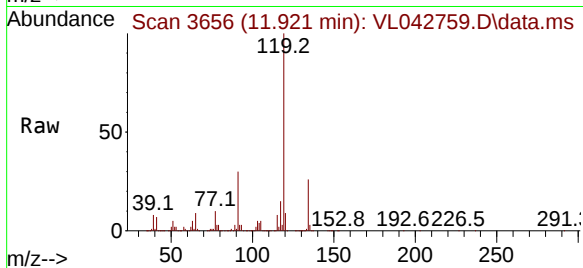
Tgt Ion:119 Resp: 774218

Ion Ratio Lower Upper

119 100

134 26.0 20.6 31.0

91 29.3 23.2 34.8



#70

n-Butylbenzene

Concen: 11.537 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

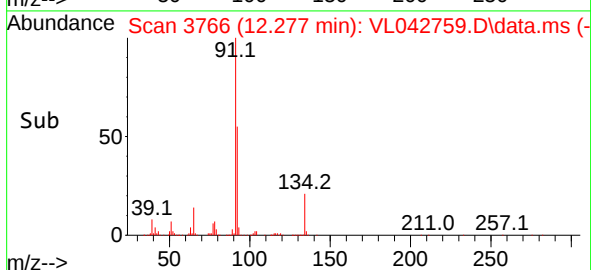
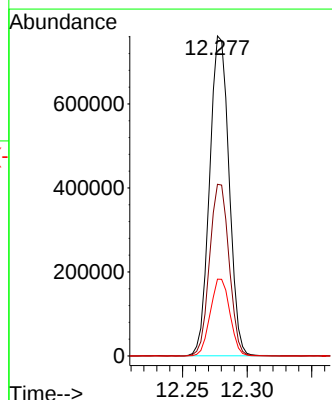
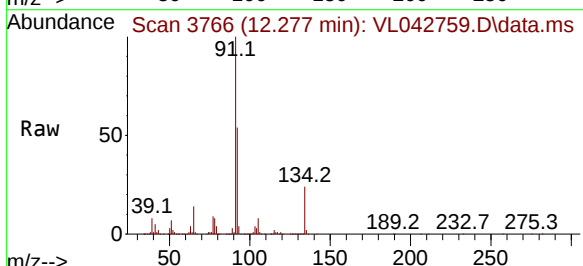
Tgt Ion: 91 Resp: 795999

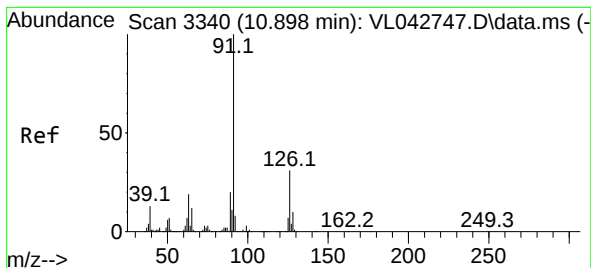
Ion Ratio Lower Upper

91 100

92 53.9 43.4 65.2

134 24.3 19.6 29.4

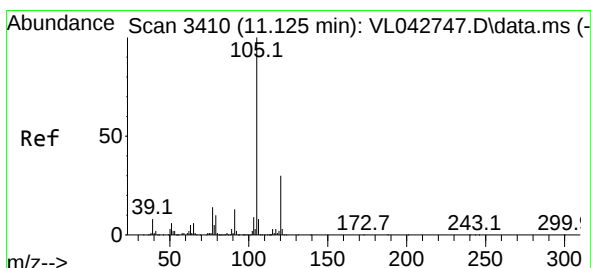
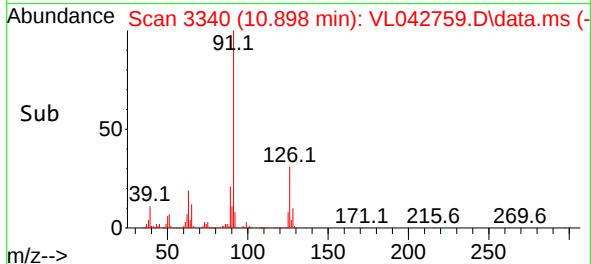
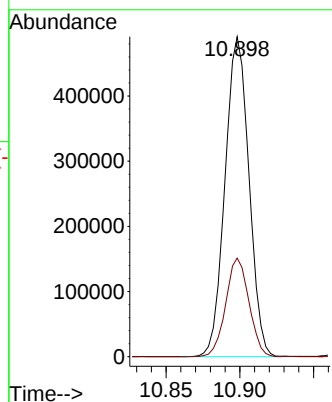
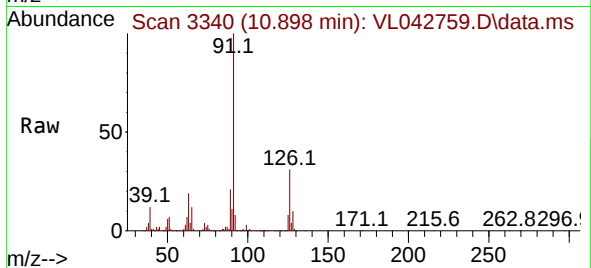




#71
2-Chlorotoluene
Concen: 10.432 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

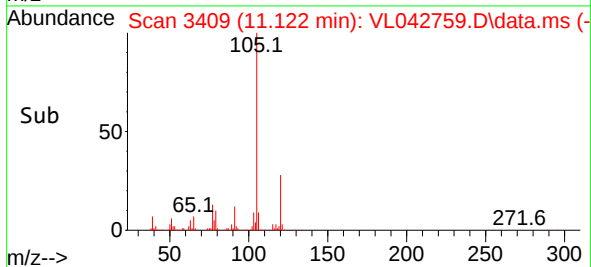
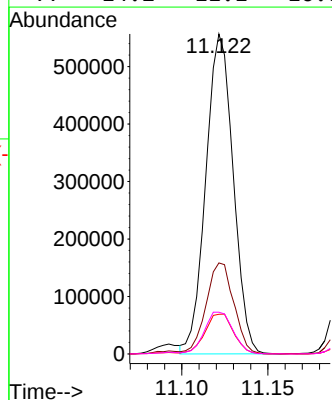
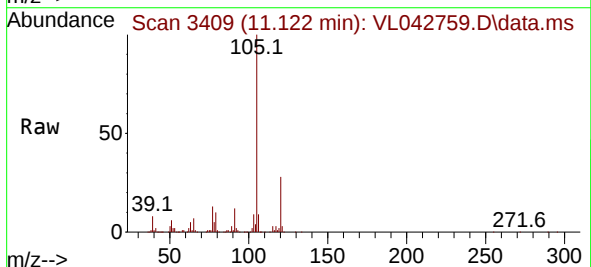
Instrument :
MSVOA_L
ClientSampleId :

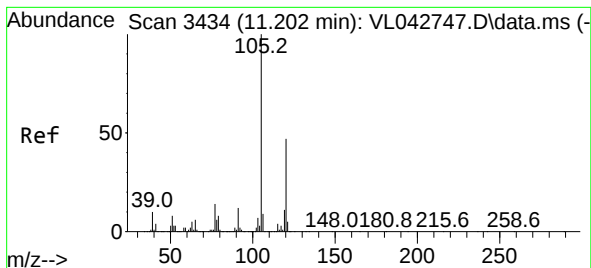
Tgt Ion: 91 Resp: 554642
Ion Ratio Lower Upper
91 100
126 29.9 12.0 48.2



#72
4-Ethyltoluene
Concen: 10.975 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 105 Resp: 616153
Ion Ratio Lower Upper
105 100
120 29.5 24.4 36.6
91 13.4 10.6 15.8
77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.062 ppbv

RT: 11.199 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

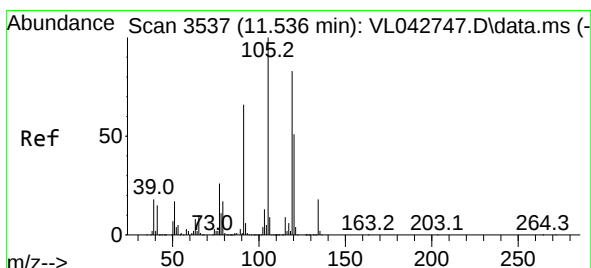
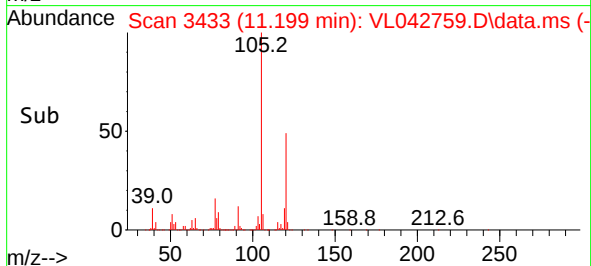
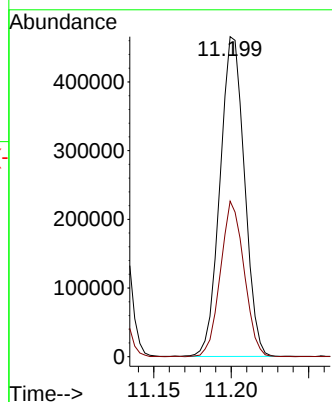
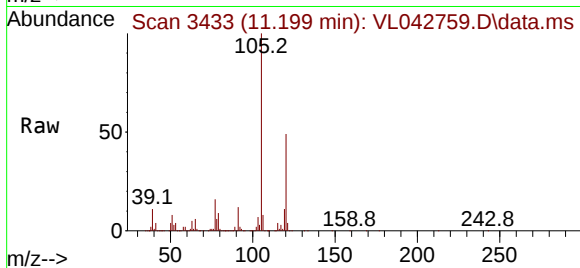
ClientSampleId :

Tgt Ion:105 Resp: 511323

Ion Ratio Lower Upper

105 100

120 48.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 11.247 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 567154

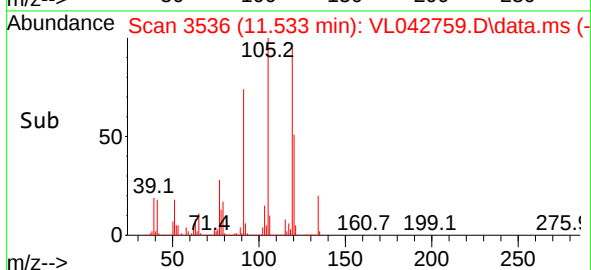
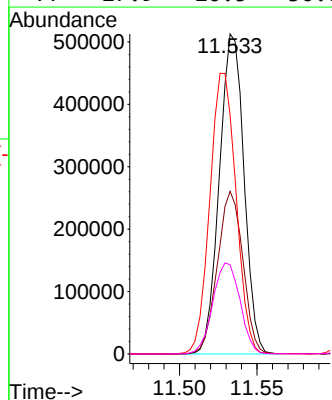
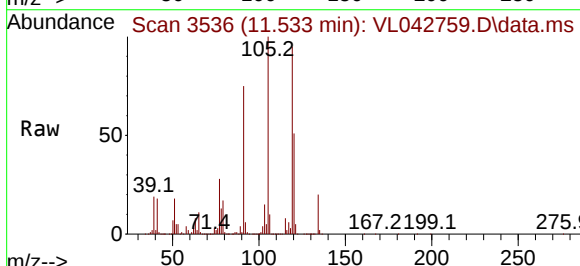
Ion Ratio Lower Upper

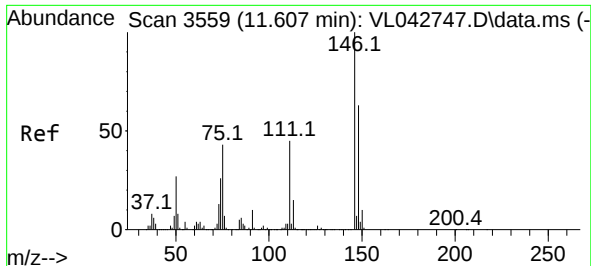
105 100

120 50.8 40.8 61.2

91 74.4 53.0 79.4

77 27.9 20.5 30.7

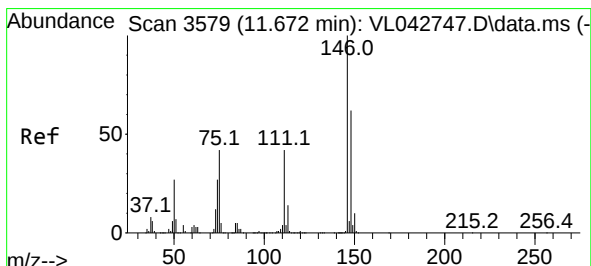
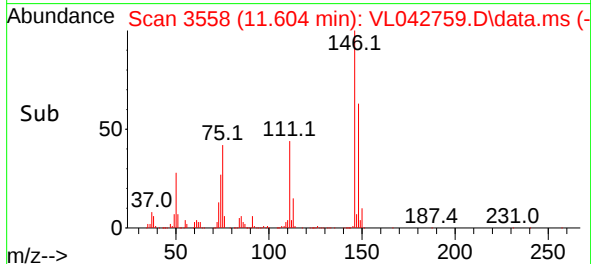
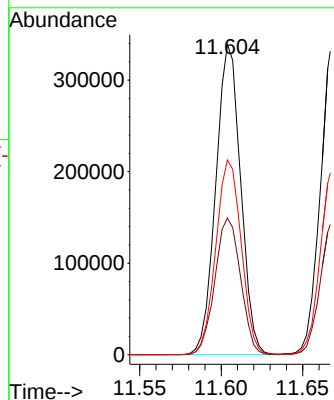
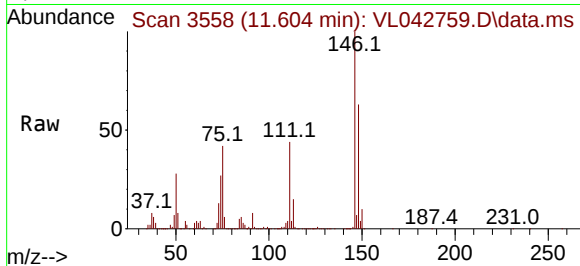




#75
1,3-Dichlorobenzene
Concen: 10.158 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

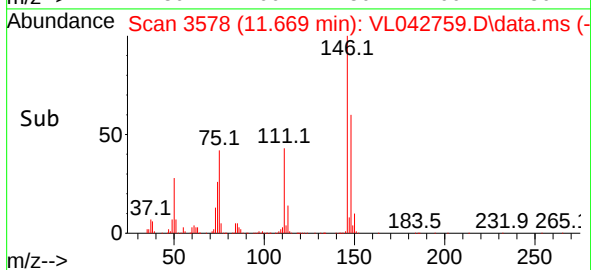
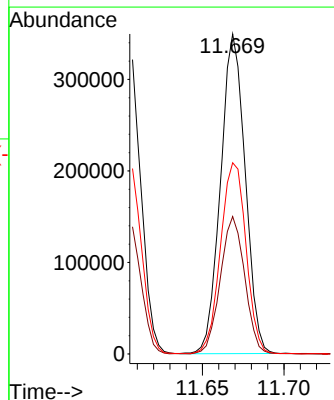
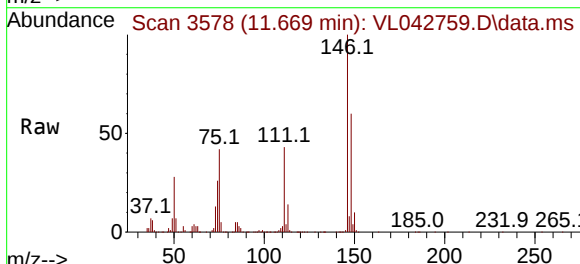
Instrument :
MSVOA_L
ClientSampleId :

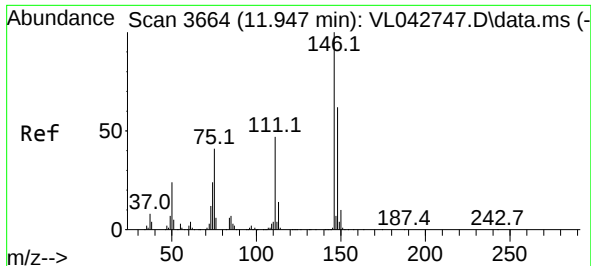
Tgt Ion:146 Resp: 359124
Ion Ratio Lower Upper
146 100
111 45.5 22.7 68.0
148 64.2 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 10.593 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:146 Resp: 366455
Ion Ratio Lower Upper
146 100
111 42.7 21.4 64.2
148 62.2 32.1 96.3

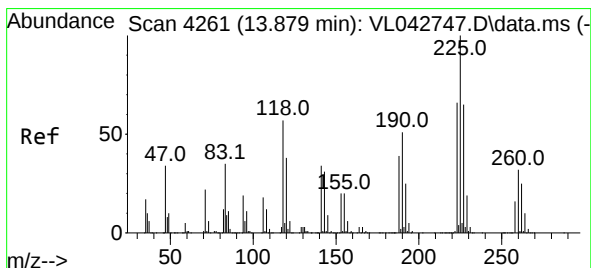
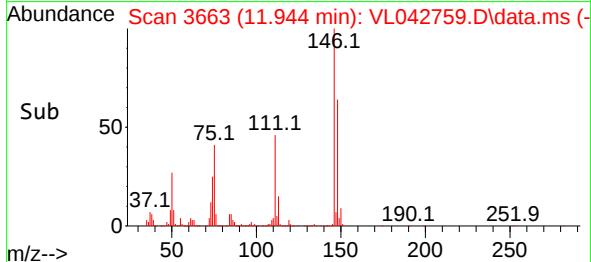
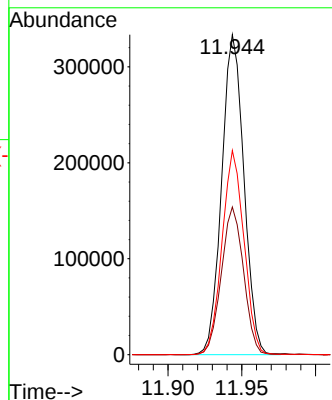
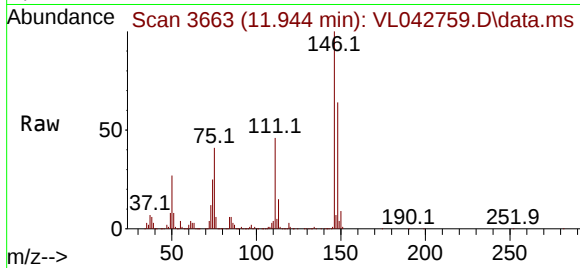




#77
 1,2-Dichlorobenzene
 Concen: 10.069 ppbv
 RT: 11.944 min Scan# 3663
 Delta R.T. -0.003 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

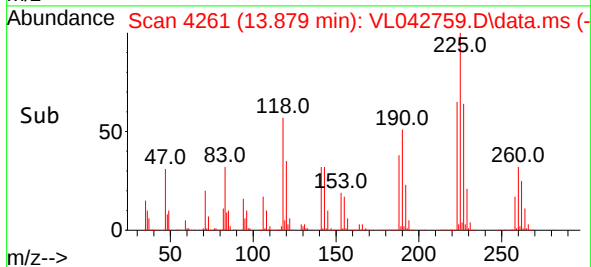
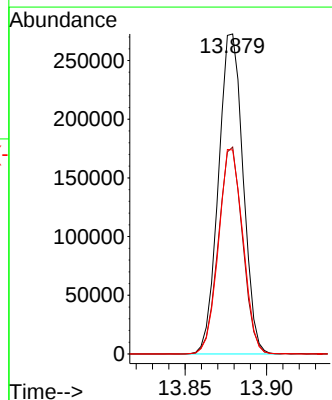
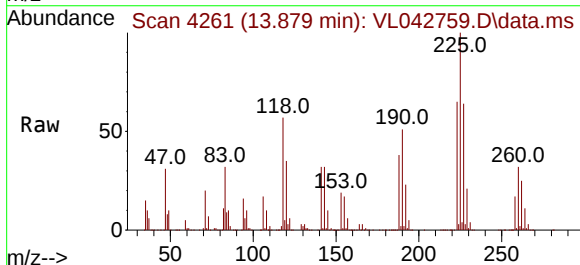
Instrument :
 MSVOA_L
 ClientSampleId :

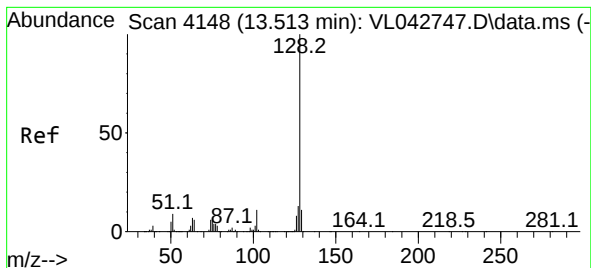
Tgt Ion:146 Resp: 349845
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.7 71.1
 148 63.1 32.6 97.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.105 ppbv
 RT: 13.879 min Scan# 4261
 Delta R.T. 0.000 min
 Lab File: VL042759.D
 Acq: 24 Jul 2025 10:57

Tgt Ion:225 Resp: 286338
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.7 76.1
 227 63.4 50.5 75.7





#79

Naphthalene

Concen: 10.428 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :

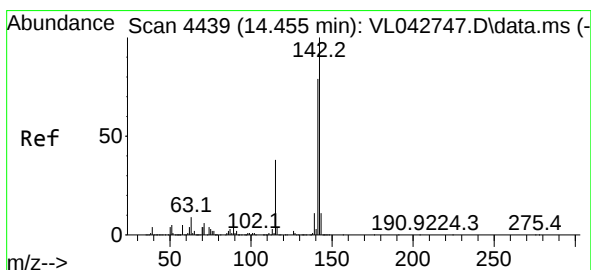
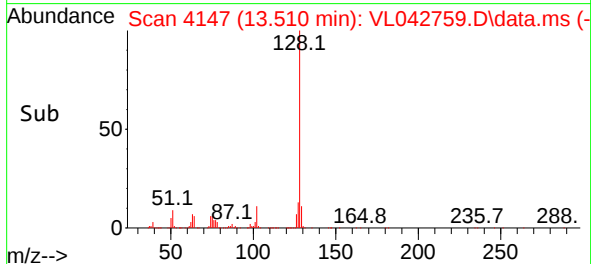
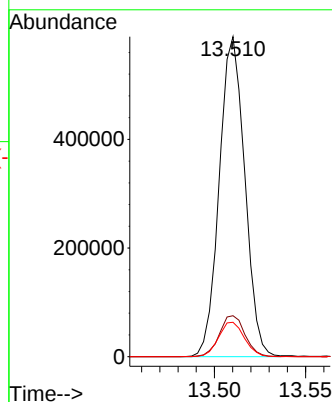
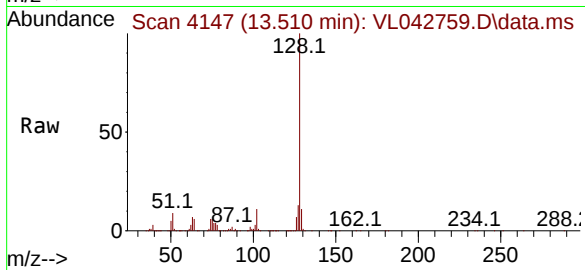
Tgt Ion:128 Resp: 571679

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.7 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 9.625 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. -0.003 min

Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

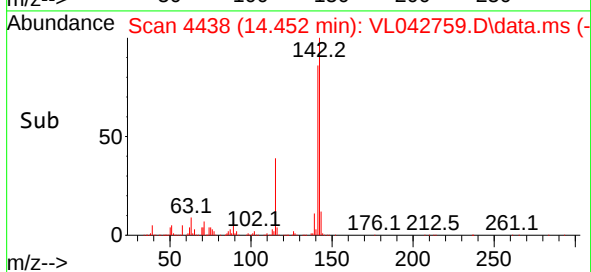
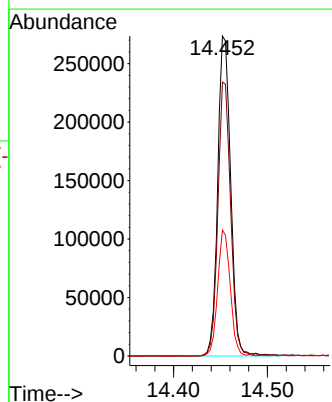
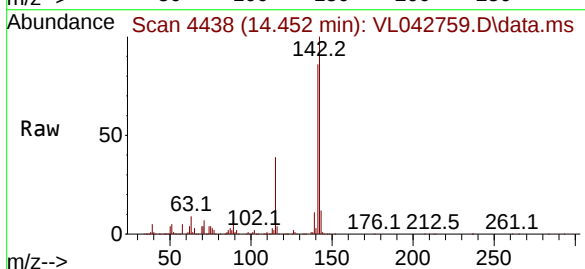
Tgt Ion:142 Resp: 262069

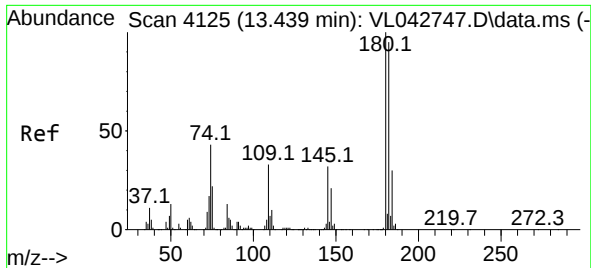
Ion Ratio Lower Upper

142 100

141 84.8 65.8 98.8

115 38.7 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.192 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.003 min

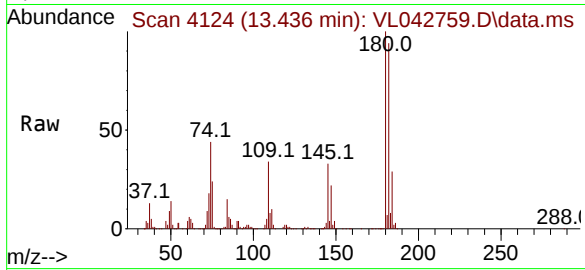
Lab File: VL042759.D

Acq: 24 Jul 2025 10:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 313681

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 30.7 24.8 37.2

