

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042757.D
 Acq On : 24 Jul 2025 08:23
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 25 01:22:24 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	2.787	49	147950	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	427210	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	383056	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	311165	10.257	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	187566	9.589	ppbv	99
3) Chlorodifluoromethane	1.476	51	244317	9.588	ppbv	98
4) Chloromethane	1.531	50	74335	9.393	ppbv	95
5) Vinyl Chloride	1.580	62	65064	8.321	ppbv	99
6) Bromomethane	1.667	94	28685	9.490	ppbv	92
7) Chloroethane	1.703	64	27550	9.119	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	150238	9.339	ppbv	97
9) Propene	1.483	41	87903	9.491	ppbv	96
10) Heptane	4.978	43	249314	9.984	ppbv	98
11) Trichlorofluoromethane	1.878	101	193823	9.612	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	148112	9.666	ppbv	98
13) Ethanol	1.719	45	7492	9.958	ppbv	92
14) Bromoethene	1.781	108	52933	9.757	ppbv	99
15) Acetone	1.836	43	156375	7.654	ppbv	98
16) 1,3-Butadiene	1.609	39	79550	9.129	ppbv	98
17) tert-Butyl alcohol	2.040	59	176200	9.563	ppbv	99
18) 1,1-Dichloroethene	2.033	96	63402	9.158	ppbv	91
19) Isopropyl Alcohol	1.884	45	98884	9.108	ppbv #	40
20) Methylene Chloride	2.062	84	55642	8.643	ppbv	92
21) Allyl Chloride	2.095	41	123118	9.778	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	71805	9.641	ppbv	96
23) Vinyl Acetate	2.460	43	254582	10.279	ppbv	99
24) 1,1-Dichloroethane	2.409	63	144940	9.481	ppbv	98
25) Ethyl Acetate	2.833	43	440225	9.735	ppbv	99
26) Hexane	2.826	57	191695	9.663	ppbv	99
27) Carbon Disulfide	2.150	76	171134	10.077	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	84661	9.034	ppbv	97
29) Chloroform	2.849	83	296376	9.669	ppbv	99
30) Cyclohexane	3.859	84	163787	9.735	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	199128	9.769	ppbv	95
32) 1,1,1-Trichloroethane	3.367	97	297466	9.316	ppbv	99
34) 2-Butanone	2.554	43	291075	9.619	ppbv	98
35) Carbon Tetrachloride	3.761	117	314409	9.908	ppbv	99
36) Benzene	3.655	78	393168	9.711	ppbv	99
37) 1,2-Dichloroethane	3.218	62	241809	9.914	ppbv	100
38) Trichloroethene	4.545	130	173991	8.945	ppbv	97
39) 1,2-Dichloropropane	4.309	63	144022	9.637	ppbv	99
40) 1,4-Dioxane	4.574	88	65828	9.450	ppbv #	96
41) Tetrahydrofuran	3.053	42	158450	10.290	ppbv	99
42) Bromodichloromethane	4.487	83	323680	10.190	ppbv	100
43) Methyl Methacrylate	4.875	69	152285	10.582	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	659271	9.990	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	172061	10.662	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :

Quant Time: Jul 25 01:22:24 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

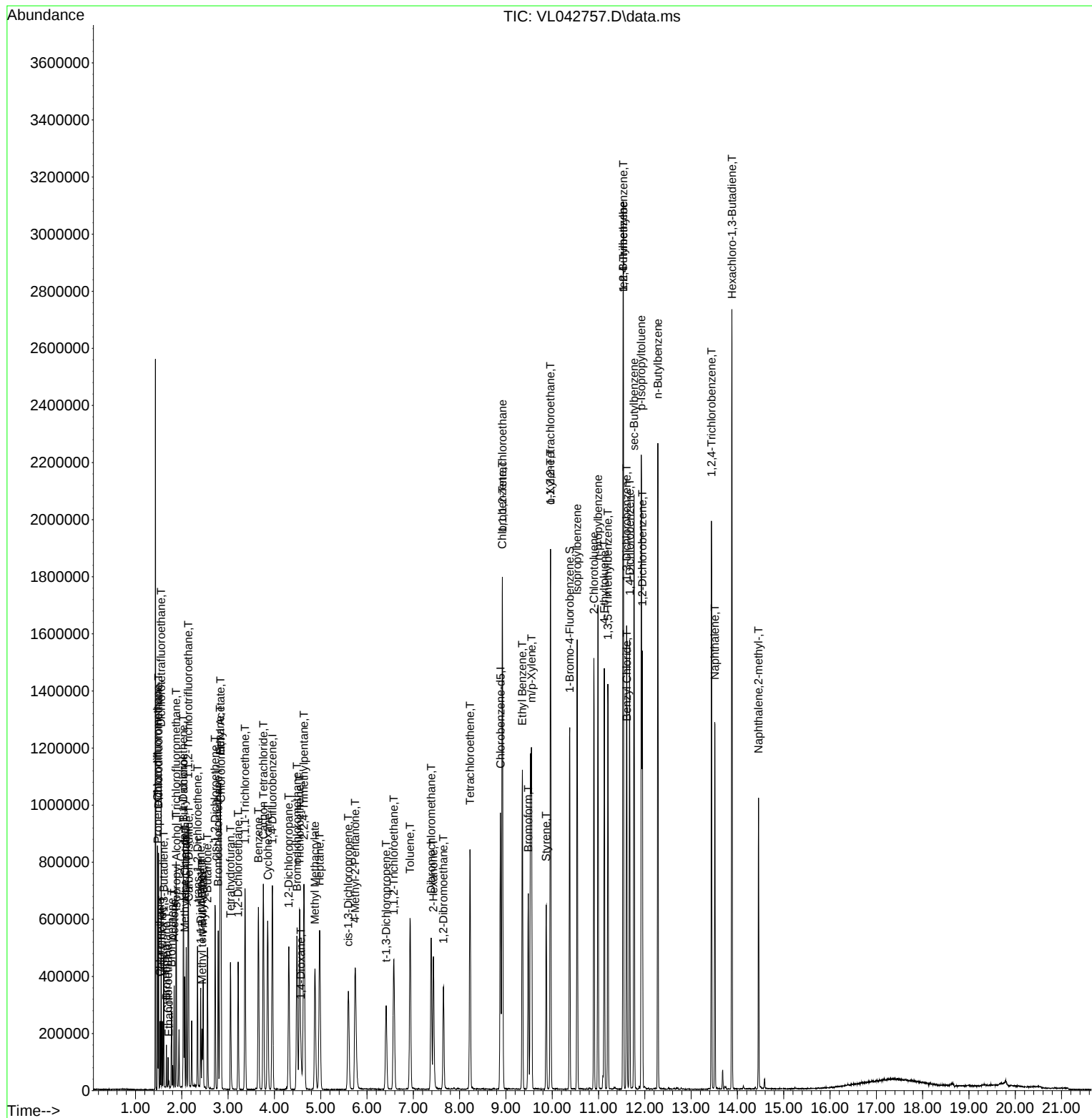
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	215829	10.554	ppbv	98
47) 1,1,2-Trichloroethane	6.581	97	154154	9.676	ppbv	96
48) Dibromochloromethane	7.387	129	263525	10.419	ppbv	99
49) Bromoform	9.481	173	229121	10.390	ppbv	98
50) 4-Methyl-2-Pentanone	5.746	43	387968	9.953	ppbv	99
51) 2-Hexanone	7.435	43	317003	10.761	ppbv #	99
52) Tetrachloroethene	8.225	164	146976	8.758	ppbv	97
53) Toluene	6.930	91	442405	10.175	ppbv	100
54) 1,2-Dibromoethane	7.649	107	227212	10.094	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	198082	9.946	ppbv	99
57) Chlorobenzene	8.921	112	349201	9.419	ppbv	97
58) Ethyl Benzene	9.354	91	622947	10.298	ppbv	100
59) m/p-Xylene	9.552	91	463296	9.583	ppbv #	19
60) o-Xylene	9.963	91	500129	10.353	ppbv	99
61) Styrene	9.869	104	221916	10.920	ppbv	99
62) Isopropylbenzene	10.539	105	722087	10.134	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	284428	9.171	ppbv	99
64) n-propylbenzene	10.989	120	192843	10.381	ppbv	99
65) tert-Butylbenzene	11.533	119	647770	10.234	ppbv	98
66) Benzyl Chloride	11.614	91	59138	11.381	ppbv	99
67) sec-Butylbenzene	11.769	105	905366	10.057	ppbv	100
69) p-Isopropyltoluene	11.924	119	782501	10.660	ppbv	100
70) n-Butylbenzene	12.280	91	792521	11.177	ppbv	99
71) 2-Chlorotoluene	10.902	91	557912	10.211	ppbv	99
72) 4-Ethyltoluene	11.125	105	620030	10.747	ppbv	99
73) 1,3,5-Trimethylbenzene	11.203	105	515645	10.856	ppbv	97
74) 1,2,4-Trimethylbenzene	11.536	105	561445	10.834	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	361599	9.953	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	366590	10.312	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	348523	9.761	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	286611	8.868	ppbv	99
79) Naphthalene	13.514	128	573161	10.185	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	273990	9.773	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	321227	10.157	ppbv	99

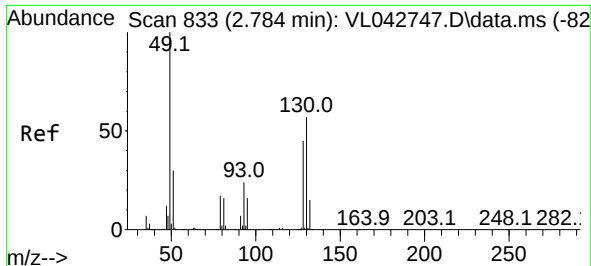
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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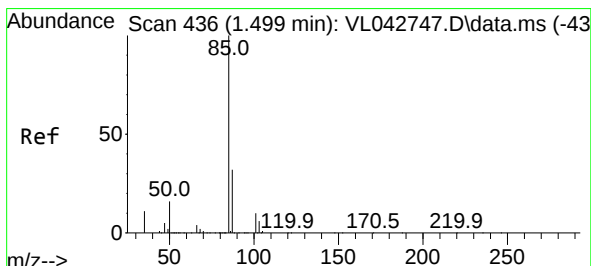
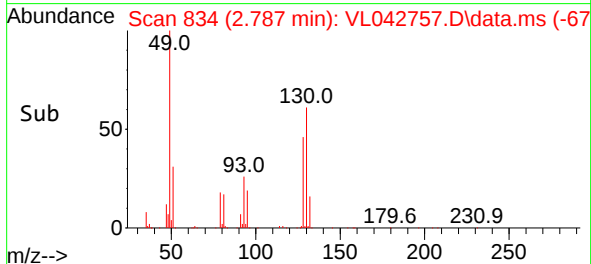
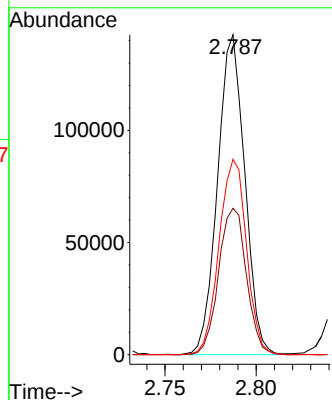
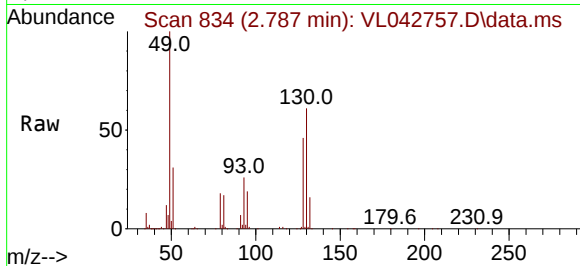




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

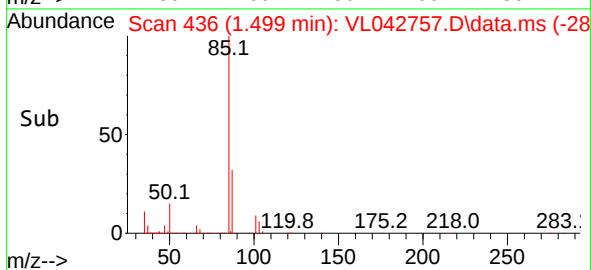
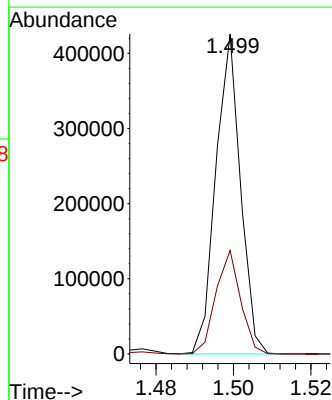
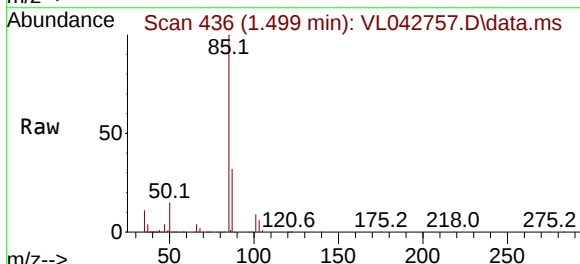
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 49 Resp: 147950
 Ion Ratio Lower Upper
 49 100
 128 46.7 23.6 71.0
 130 61.5 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 9.589 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion: 85 Resp: 187566
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2

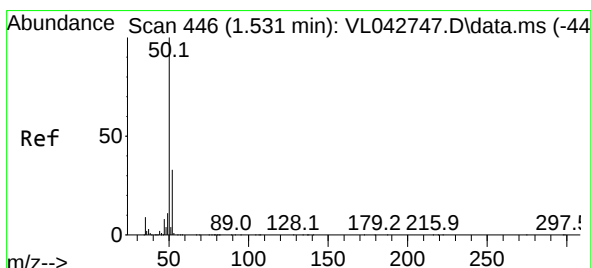
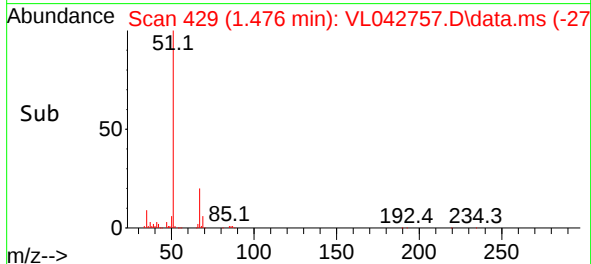
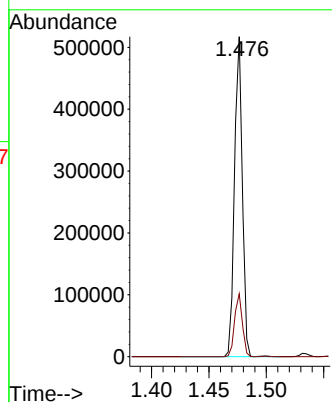
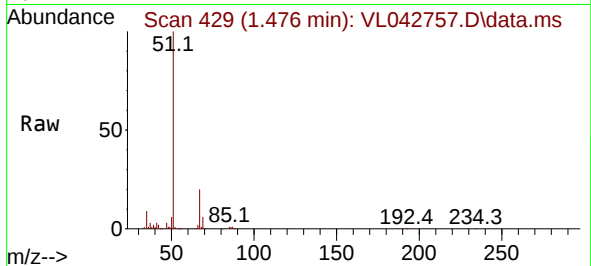




#3
Chlorodifluoromethane
Concen: 9.588 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

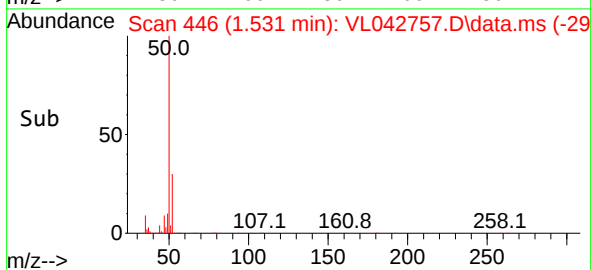
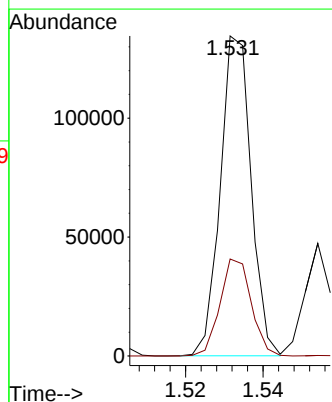
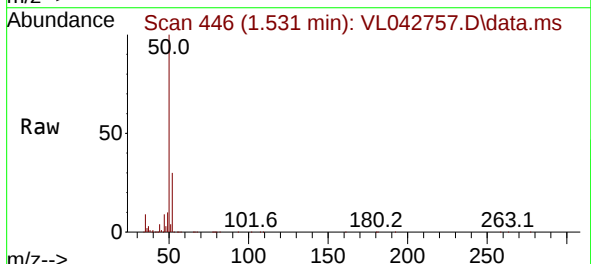
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MSVOA_L
ClientSampleId :

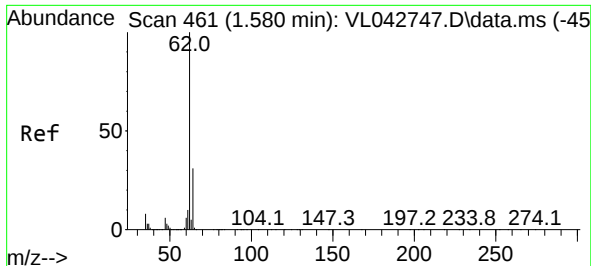
Tgt Ion: 51 Resp: 244317
Ion Ratio Lower Upper
51 100
67 19.7 15.0 22.6



#4
Chloromethane
Concen: 9.393 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 50 Resp: 74335
Ion Ratio Lower Upper
50 100
52 30.3 26.6 40.0

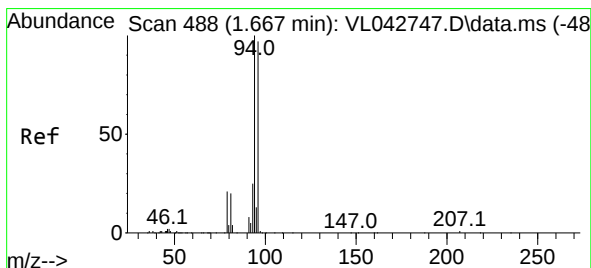
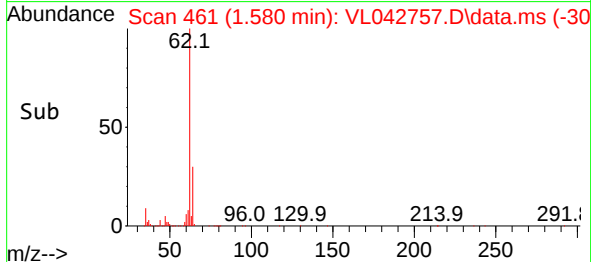
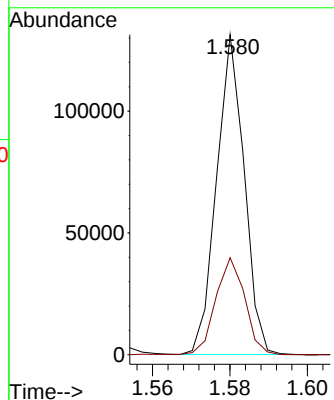
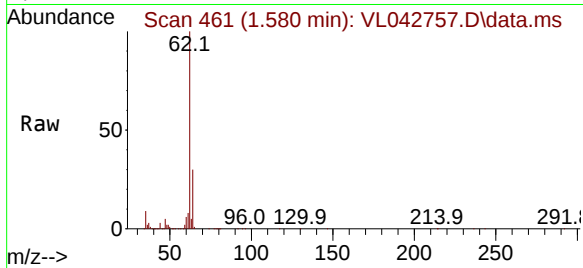




#5
 Vinyl Chloride
 Concen: 8.321 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

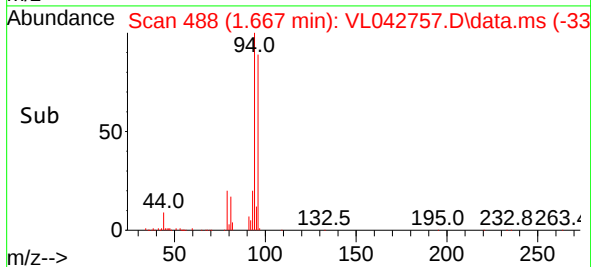
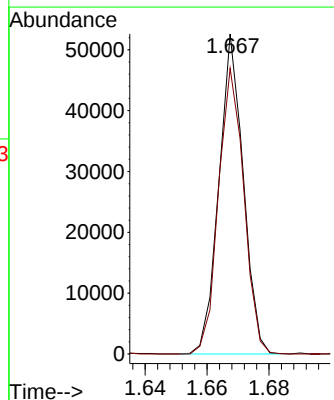
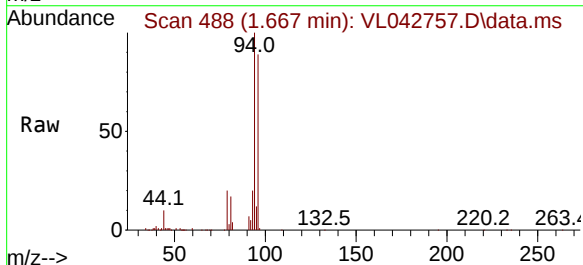
Instrument :
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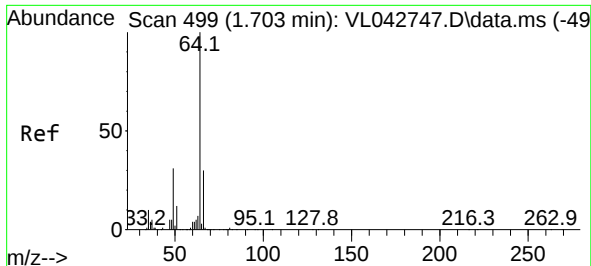
Tgt Ion: 62 Resp: 65064
 Ion Ratio Lower Upper
 62 100
 64 30.2 24.5 36.7



#6
 Bromomethane
 Concen: 9.490 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion: 94 Resp: 28685
 Ion Ratio Lower Upper
 94 100
 96 89.3 77.6 116.4

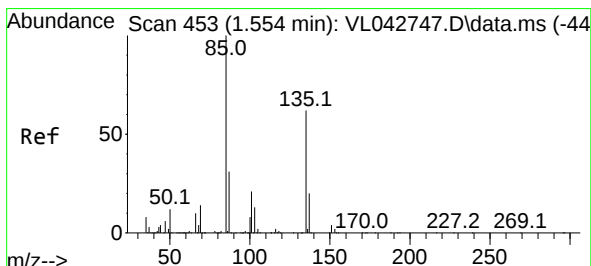
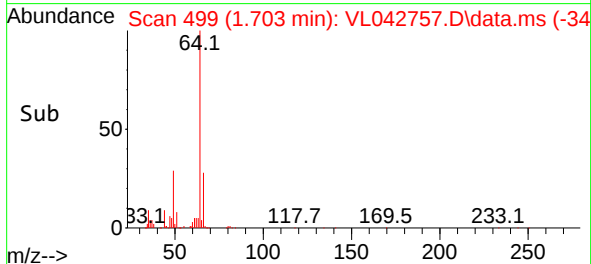
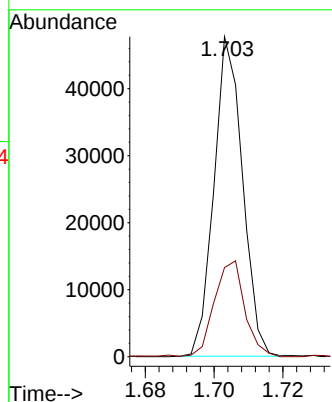
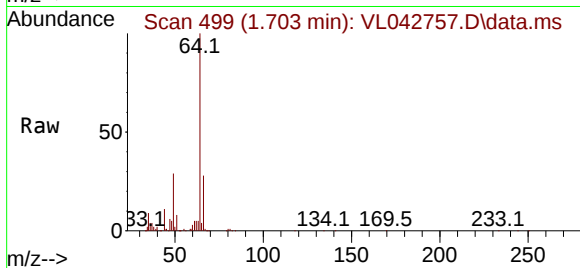




#7
Chloroethane
Concen: 9.119 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

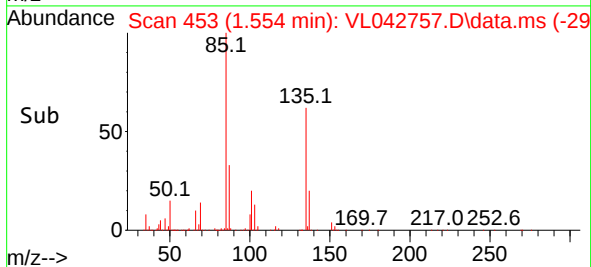
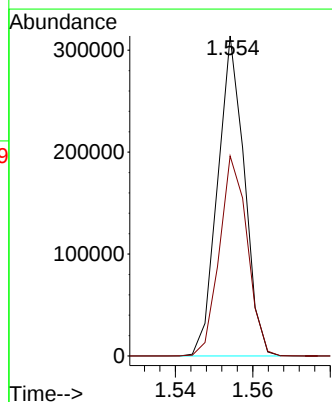
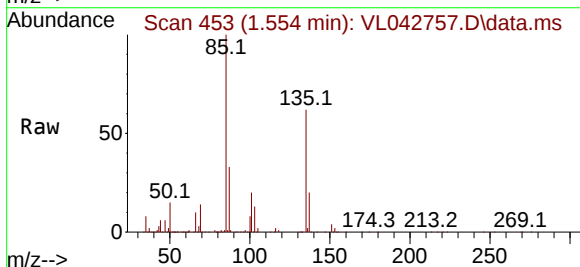
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MSVOA_1
ClientSampleId :

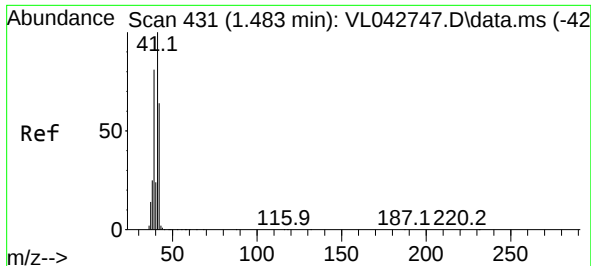
Tgt Ion: 64 Resp: 27550
Ion Ratio Lower Upper
64 100
66 27.8 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 9.339 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 85 Resp: 150238
Ion Ratio Lower Upper
85 100
135 65.3 50.6 76.0

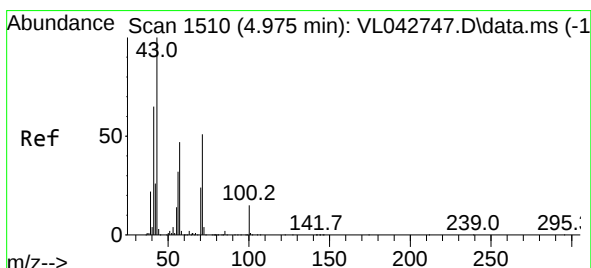
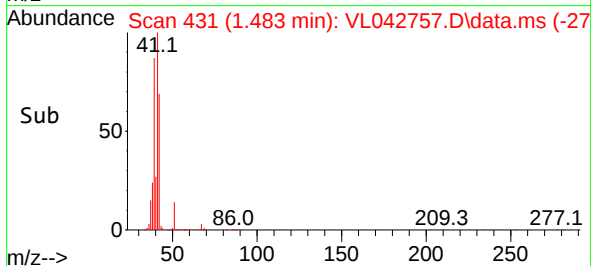
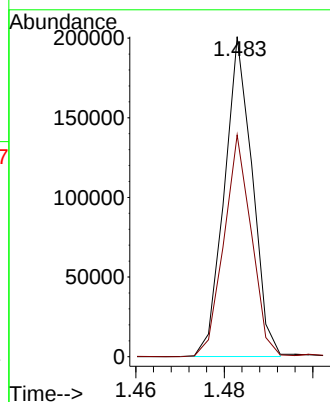
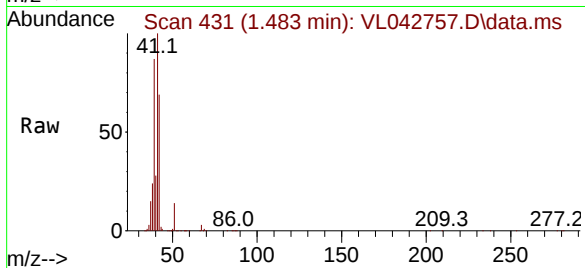




#9
Propene
Concen: 9.491 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

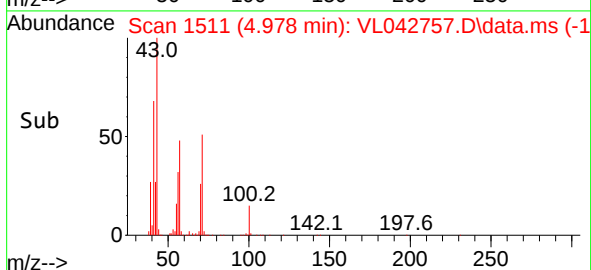
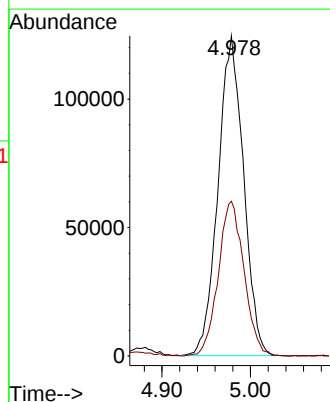
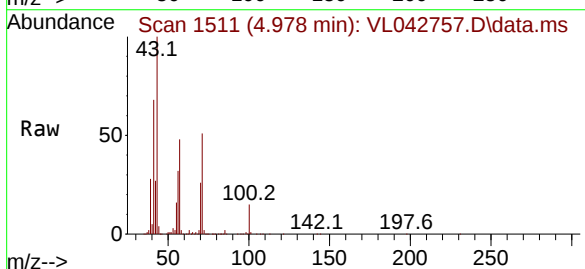
Instrument :
MSVOA_L
ClientSampleId :

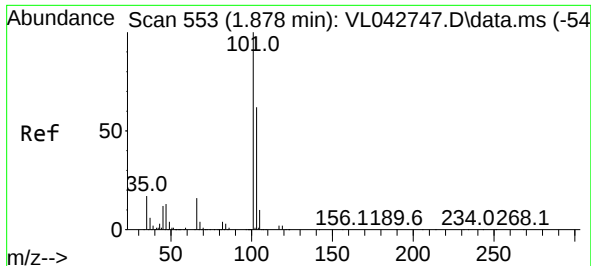
Tgt Ion: 41 Resp: 87903
Ion Ratio Lower Upper
41 100
42 69.8 53.2 79.8



#10
Heptane
Concen: 9.984 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
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Tgt Ion: 43 Resp: 249314
Ion Ratio Lower Upper
43 100
57 48.8 39.9 59.9

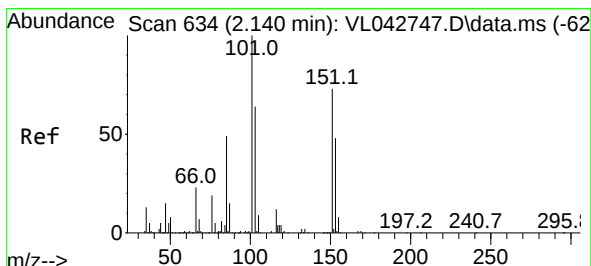
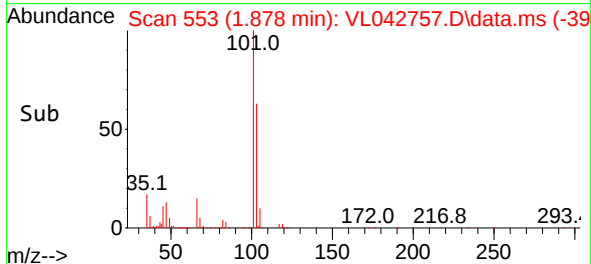
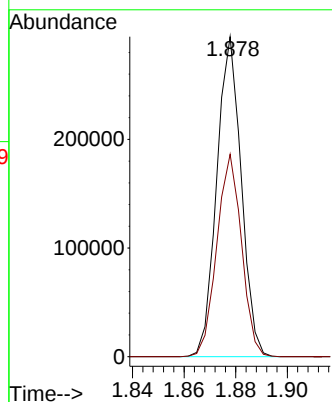
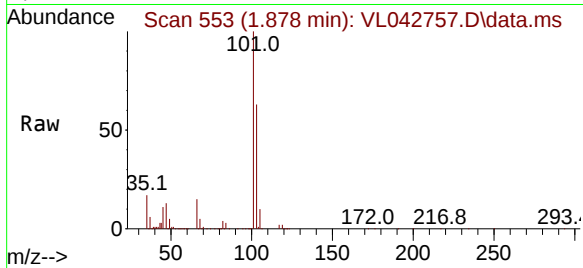




#11
 Trichlorofluoromethane
 Concen: 9.612 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

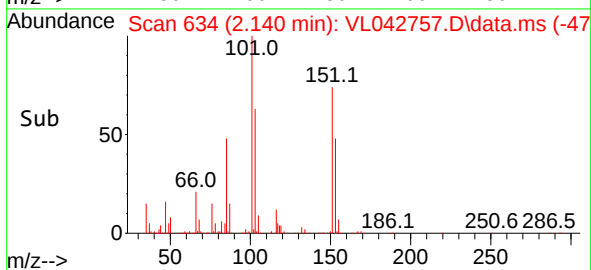
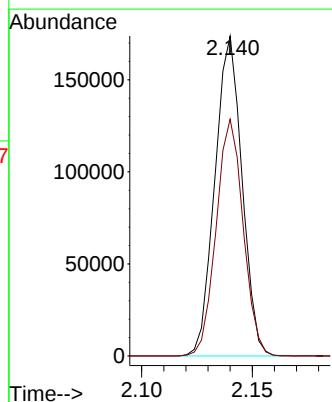
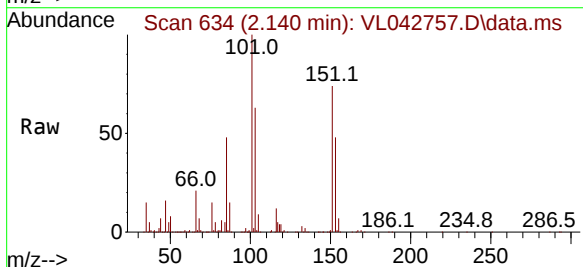
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:101 Resp: 193823
 Ion Ratio Lower Upper
 101 100
 103 63.3 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.666 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion:101 Resp: 148112
 Ion Ratio Lower Upper
 101 100
 151 73.7 60.5 90.7

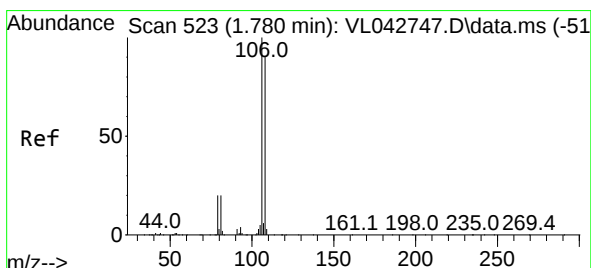
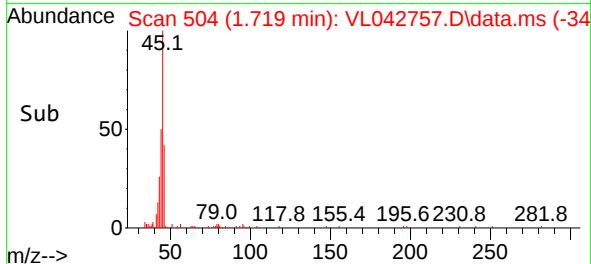
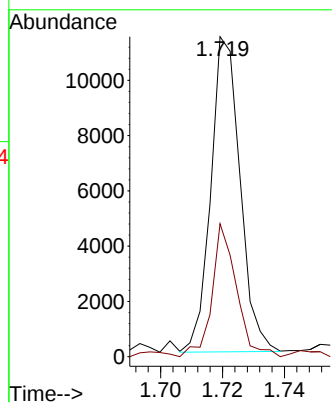
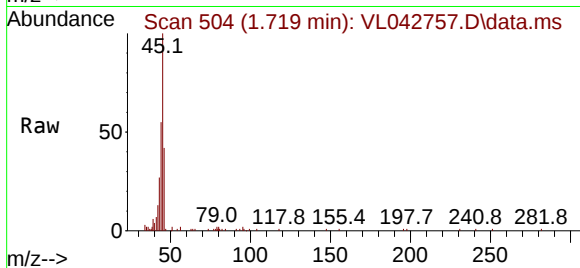




#13
Ethanol
Concen: 9.958 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

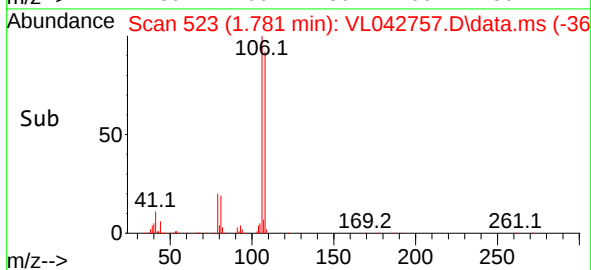
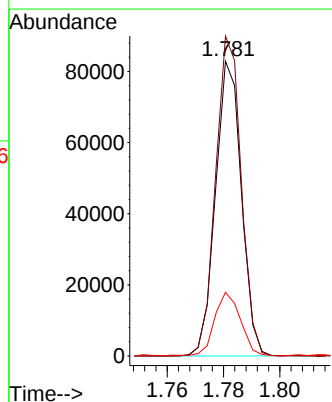
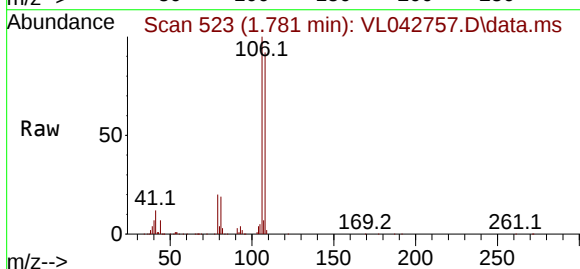
Instrument :
MSVOA_L
ClientSampleId :

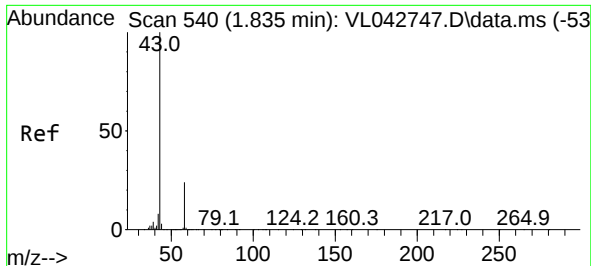
Tgt Ion: 45 Resp: 7492
Ion Ratio Lower Upper
45 100
46 39.3 17.8 71.4



#14
Bromoethene
Concen: 9.757 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 108 Resp: 52933
Ion Ratio Lower Upper
108 100
106 107.3 84.7 127.1
79 22.4 17.4 26.2

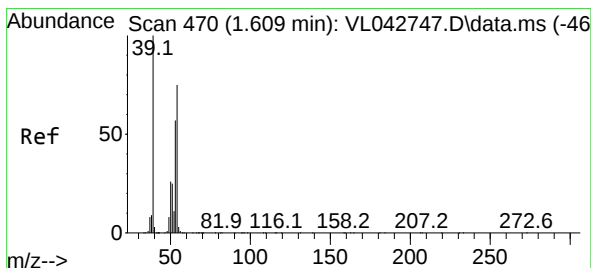
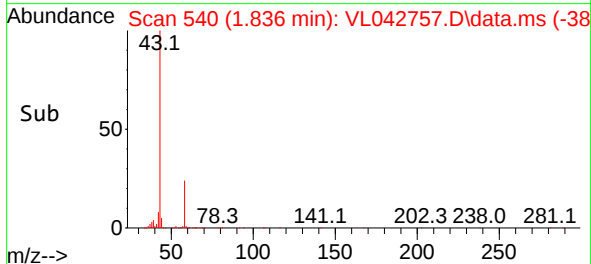
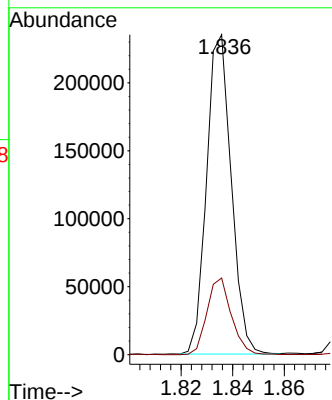
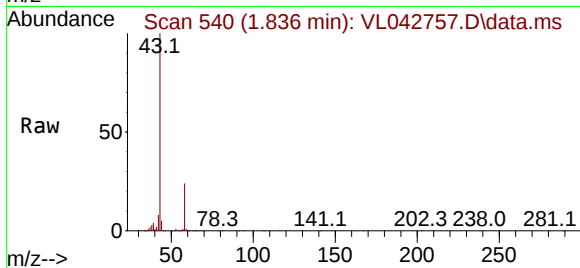




#15
Acetone
Concen: 7.654 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

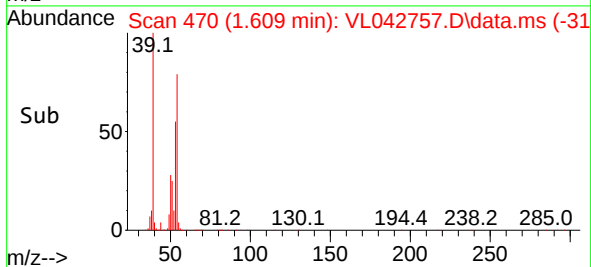
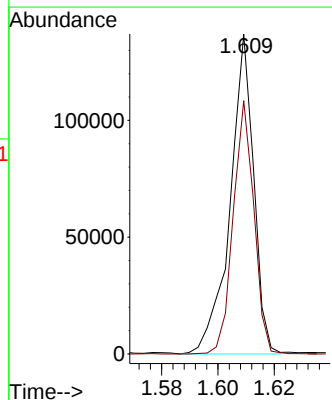
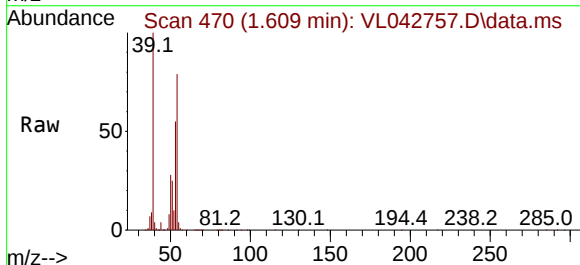
Instrument :
MSVOA_1
ClientSampleId :

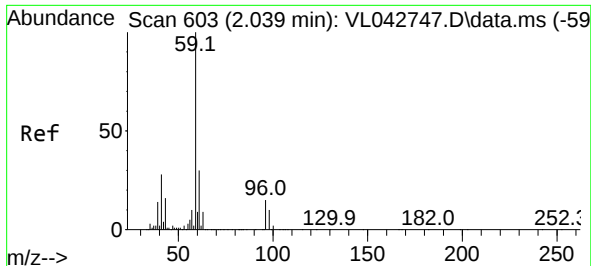
Tgt Ion: 43 Resp: 156375
Ion Ratio Lower Upper
43 100
58 23.9 19.8 29.8



#16
1,3-Butadiene
Concen: 9.129 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 39 Resp: 79550
Ion Ratio Lower Upper
39 100
54 69.6 54.5 81.7





#17

tert-Butyl alcohol

Concen: 9.563 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

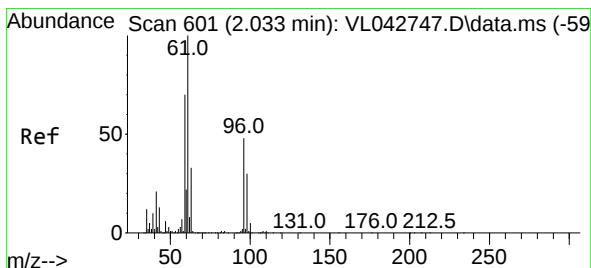
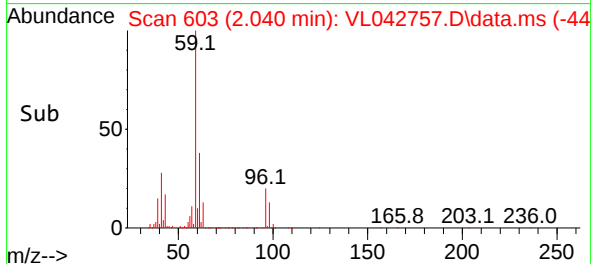
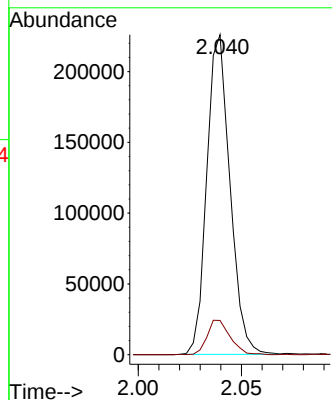
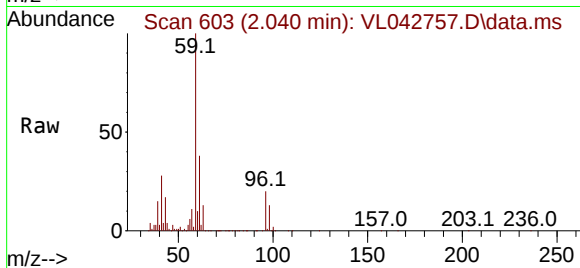
ClientSampleId :

Tgt Ion: 59 Resp: 176200

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.158 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

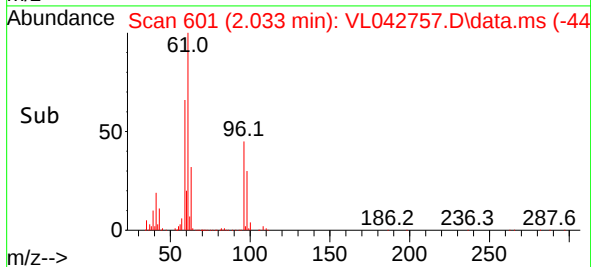
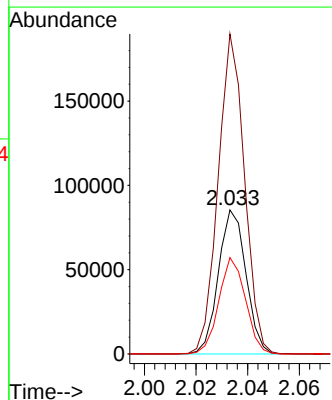
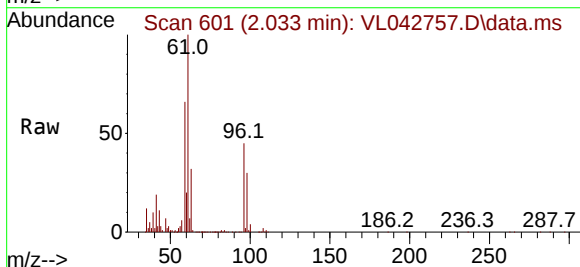
Tgt Ion: 96 Resp: 63402

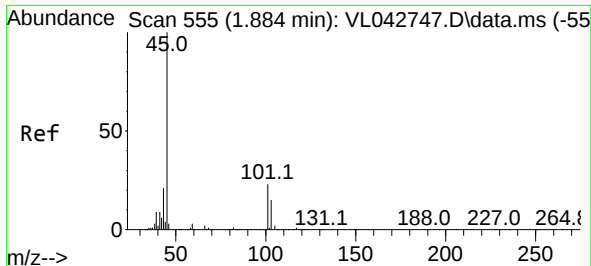
Ion Ratio Lower Upper

96 100

61 222.1 165.8 248.6

98 67.0 49.9 74.9

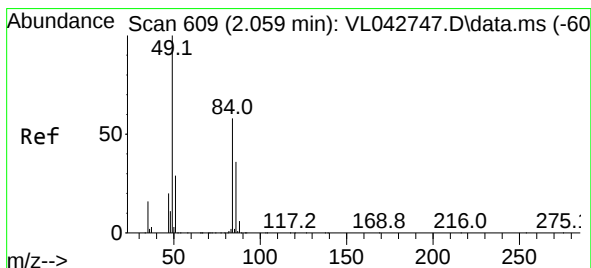
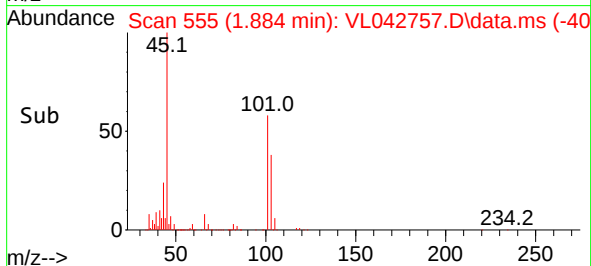
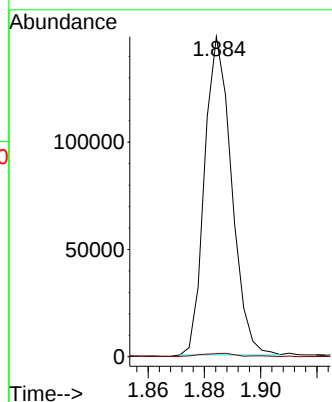
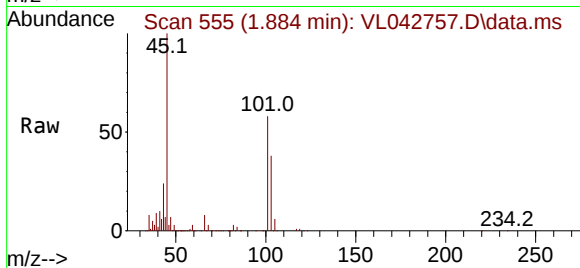




#19
Isopropyl Alcohol
Concen: 9.108 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

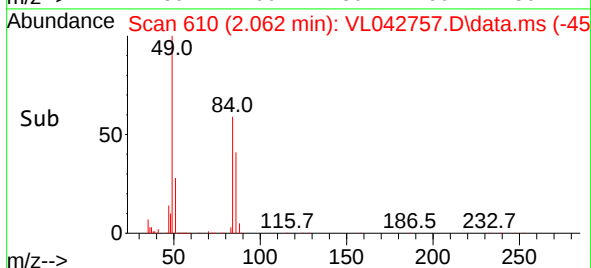
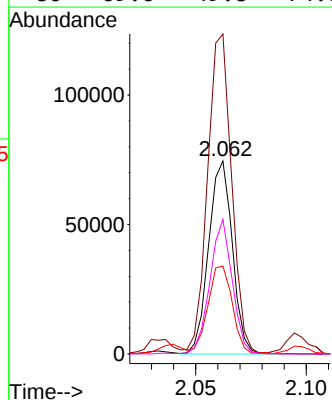
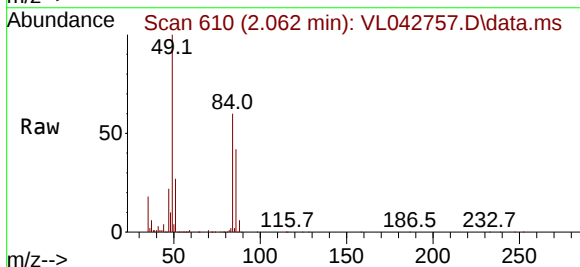
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 98884
Ion Ratio Lower Upper
45 100
58 1.7 30.0 45.0#



#20
Methylene Chloride
Concen: 8.643 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 84 Resp: 55642
Ion Ratio Lower Upper
84 100
49 163.9 138.6 208.0
51 44.6 40.6 61.0
86 69.6 49.8 74.8

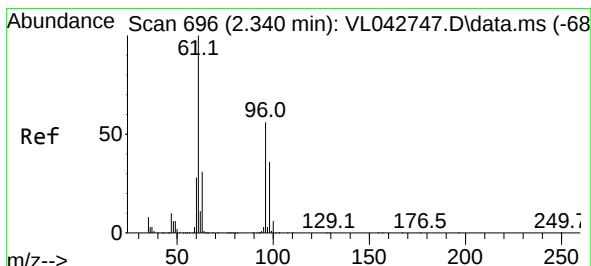
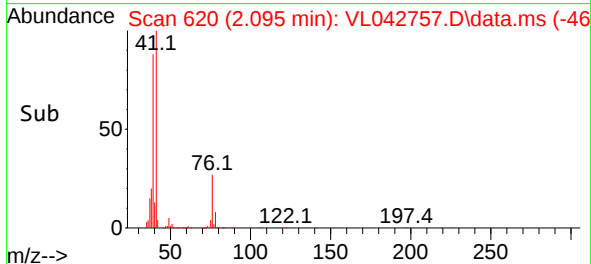
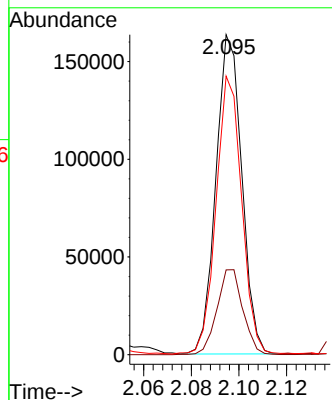
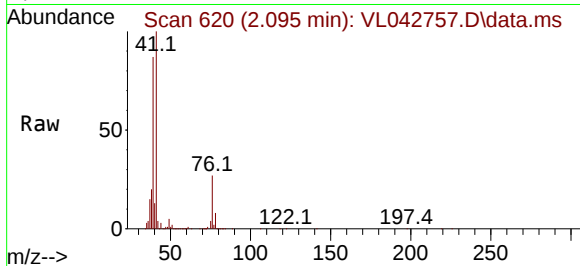




#21
 Allyl Chloride
 Concen: 9.778 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

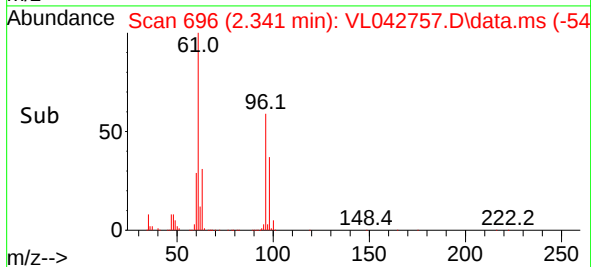
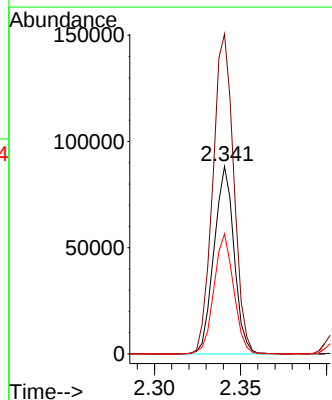
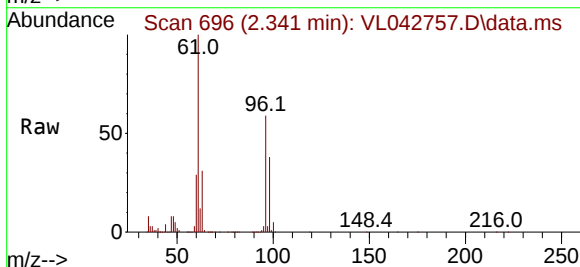
Instrument :
 MSVOA_L
 ClientSampleId :

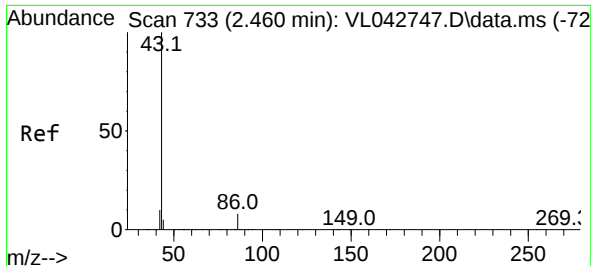
Tgt Ion: 41 Resp: 123118
 Ion Ratio Lower Upper
 41 100
 76 26.7 21.1 31.7
 39 86.4 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.641 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

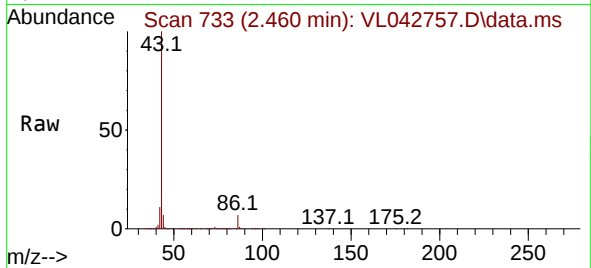
Tgt Ion: 96 Resp: 71805
 Ion Ratio Lower Upper
 96 100
 61 170.6 142.3 213.5
 98 64.1 50.6 76.0



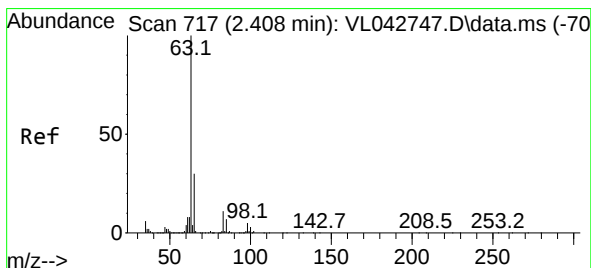
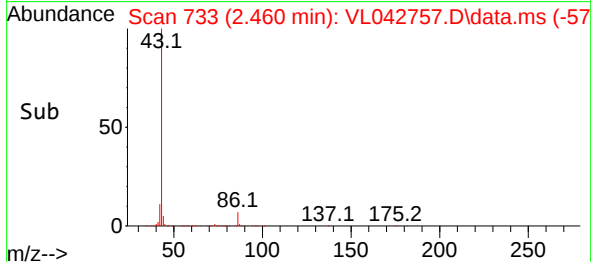
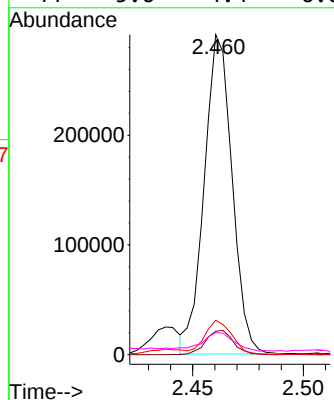


#23
 Vinyl Acetate
 Concen: 10.279 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Instrument :
 MSVOA_L
 ClientSampleId :

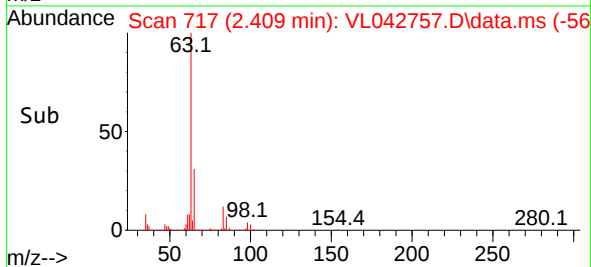
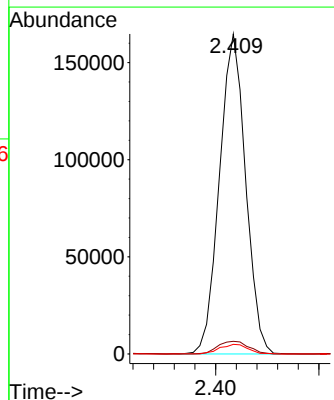
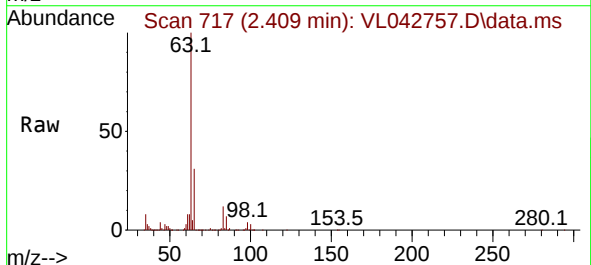


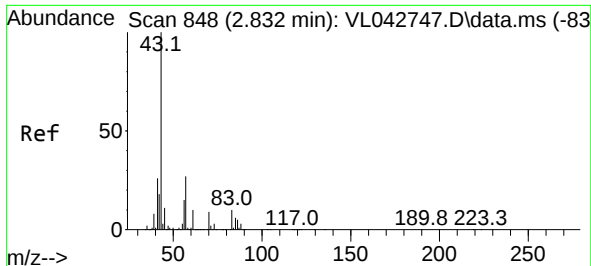
Tgt Ion:	43	Resp:	254582
Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.1	9.1
42	10.7	7.8	11.8
44	5.6	4.4	6.6



#24
 1,1-Dichloroethane
 Concen: 9.481 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion:	63	Resp:	144940
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.5	7.4
100	3.0	1.6	4.8

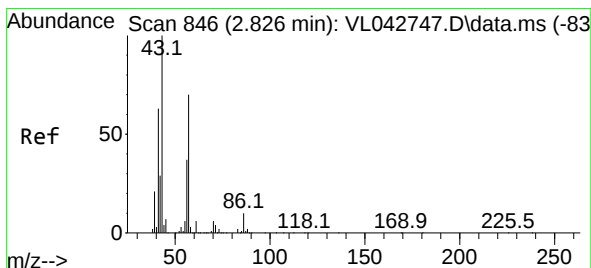
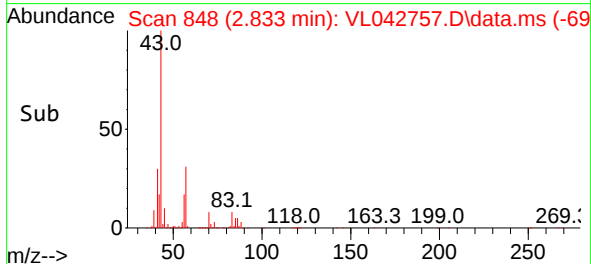
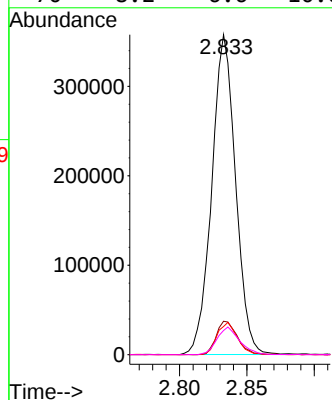
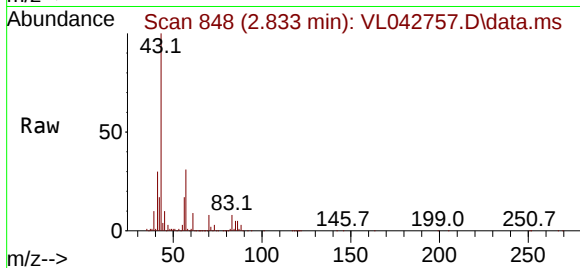




#25
Ethyl Acetate
Concen: 9.735 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

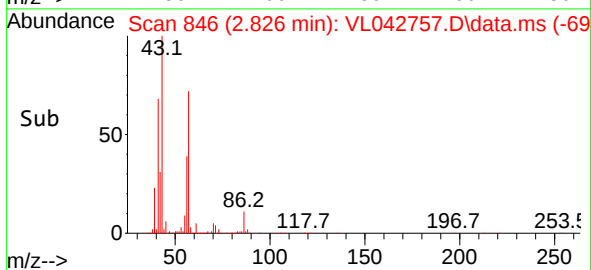
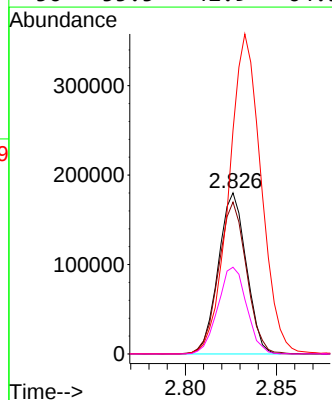
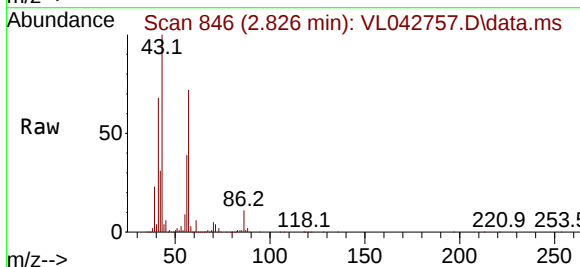
Instrument :
MSVOA_L
ClientSampleId :

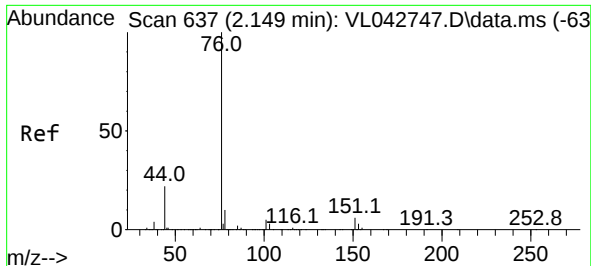
Tgt Ion: 43	Resp: 440225
Ion Ratio	Lower Upper
43 100	
45 9.4	7.8 11.6
61 8.7	6.7 10.1
70 8.2	6.6 10.0



#26
Hexane
Concen: 9.663 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 57	Resp: 191695
Ion Ratio	Lower Upper
57 100	
41 95.2	75.4 113.2
43 231.3	185.0 277.6
56 55.5	42.9 64.3

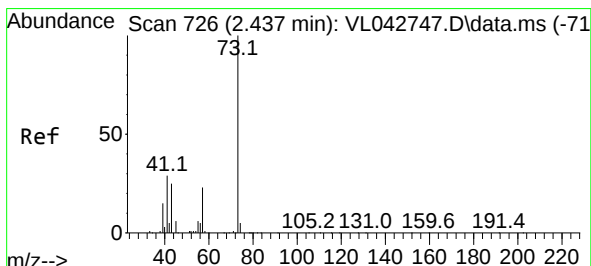
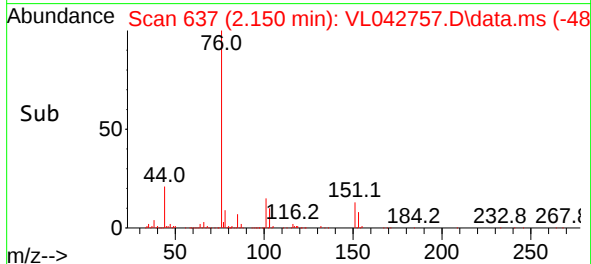
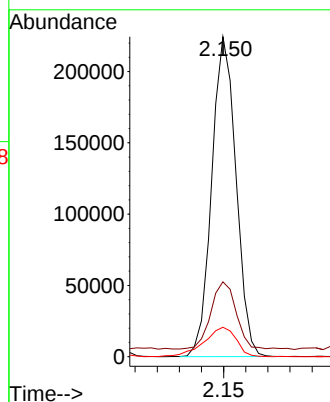
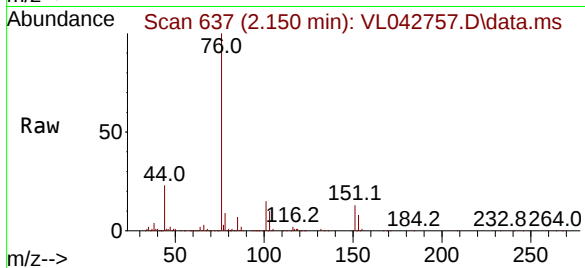




#27
Carbon Disulfide
Concen: 10.077 ppbv
RT: 2.150 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

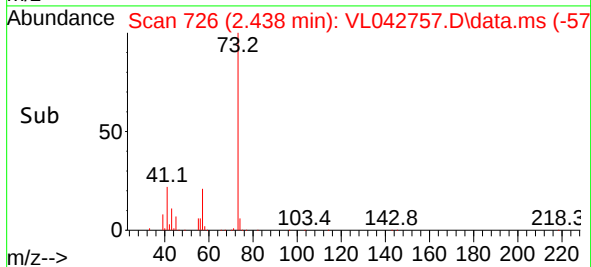
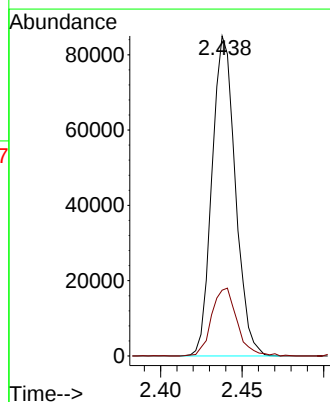
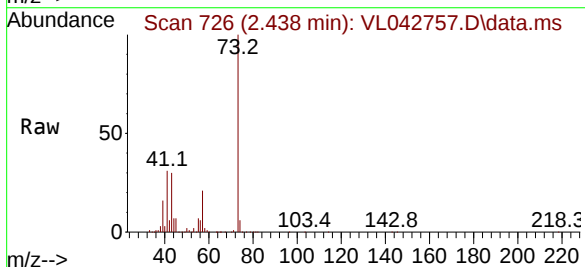
Instrument :
MSVOA_L
ClientSampleId :

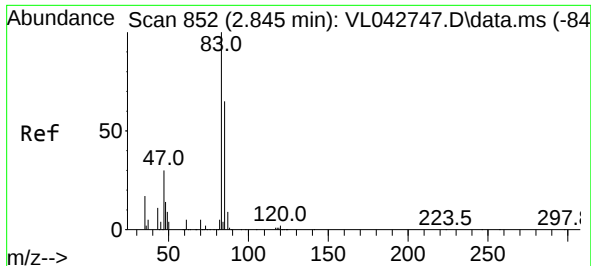
Tgt Ion: 76 Resp: 171134
Ion Ratio Lower Upper
76 100
44 24.4 19.3 28.9
78 12.2 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 9.034 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 73 Resp: 84661
Ion Ratio Lower Upper
73 100
57 23.2 19.8 29.8





#29

Chloroform

Concen: 9.669 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

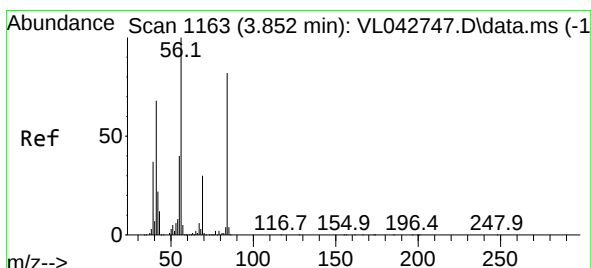
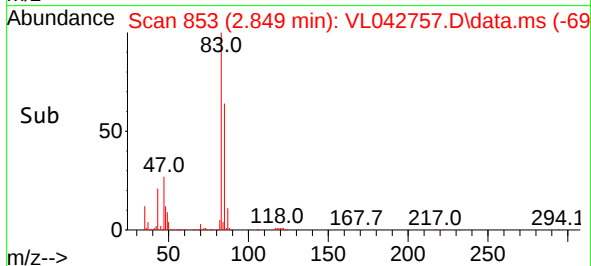
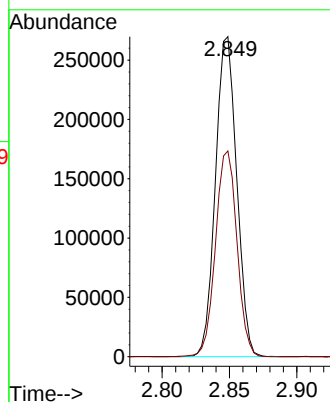
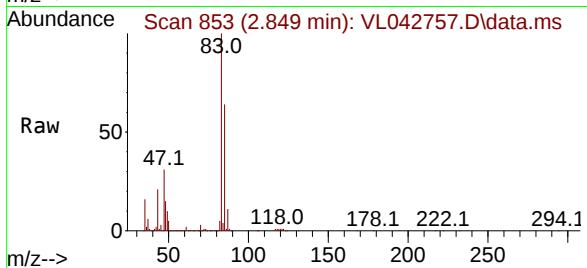
ClientSampleId :

Tgt Ion: 83 Resp: 296376

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2



#30

Cyclohexane

Concen: 9.735 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. 0.007 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

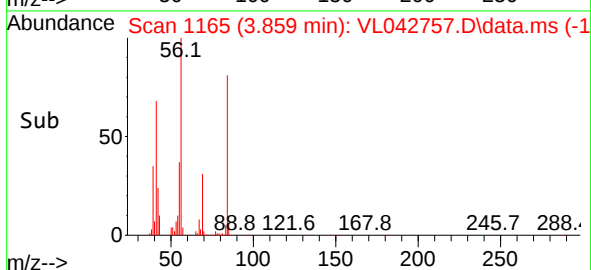
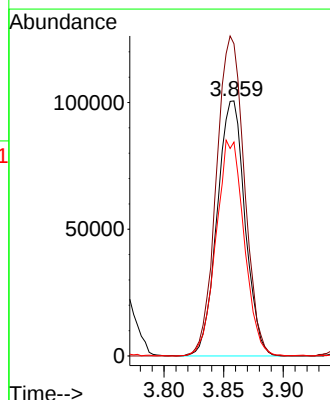
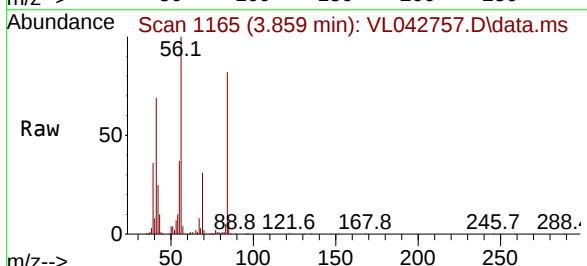
Tgt Ion: 84 Resp: 163787

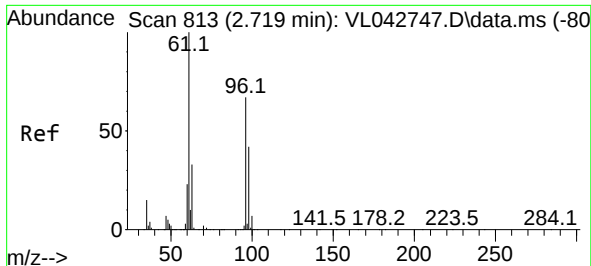
Ion Ratio Lower Upper

84 100

56 125.7 97.5 146.3

41 85.4 67.2 100.8

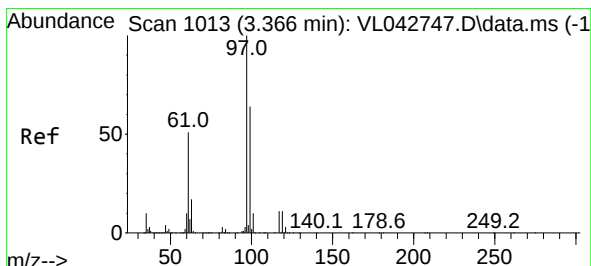
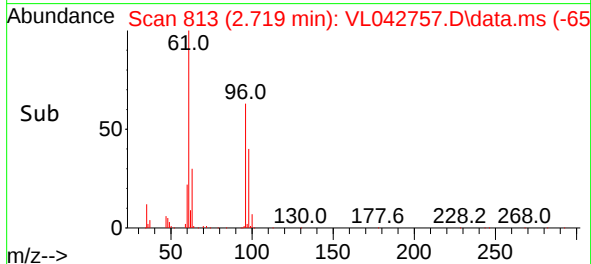
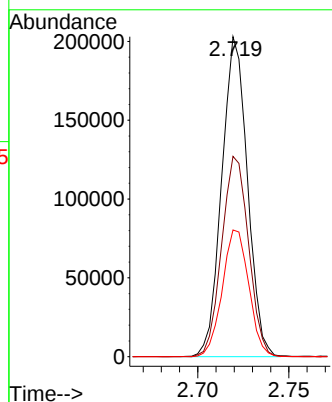
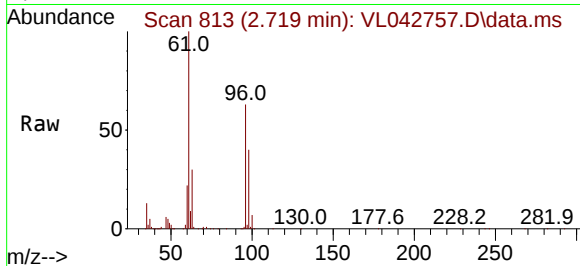




#31
 cis-1,2-Dichloroethene
 Concen: 9.769 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

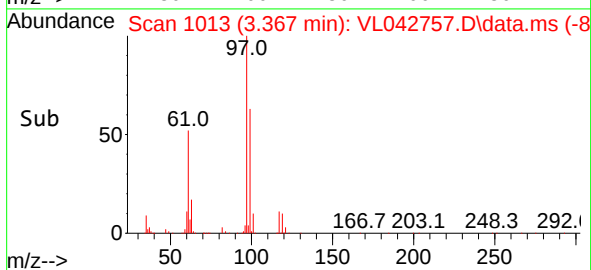
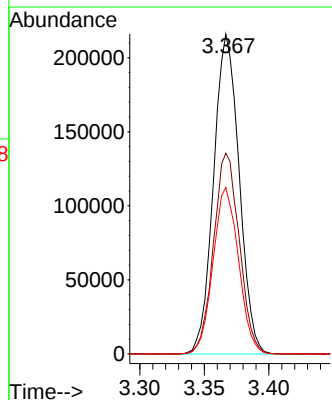
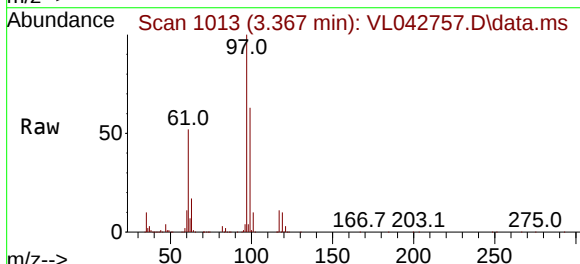
Instrument :
 MSVOA_L
 ClientSampleId :

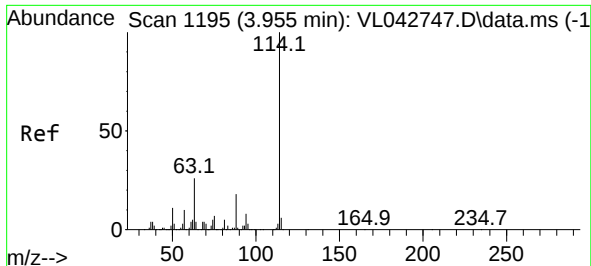
Tgt Ion: 61 Resp: 199128
 Ion Ratio Lower Upper
 61 100
 96 62.6 53.5 80.3
 98 39.6 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.316 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion: 97 Resp: 297466
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.0 76.6
 61 52.0 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

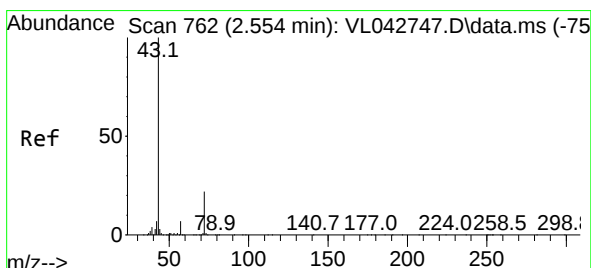
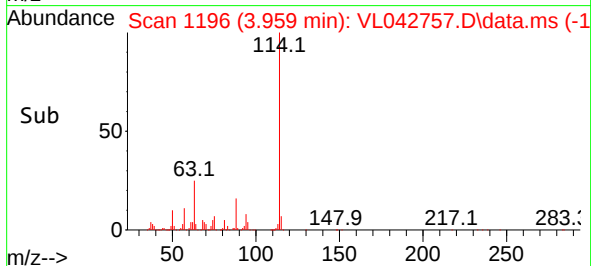
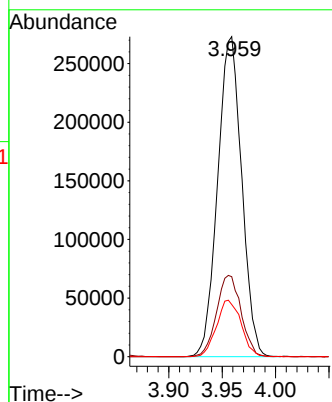
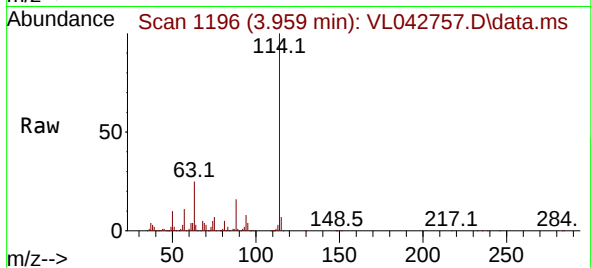
Tgt Ion:114 Resp: 427210

Ion Ratio Lower Upper

114 100

63 25.9 20.5 30.7

88 18.1 14.0 21.0



#34

2-Butanone

Concen: 9.619 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL042757.D

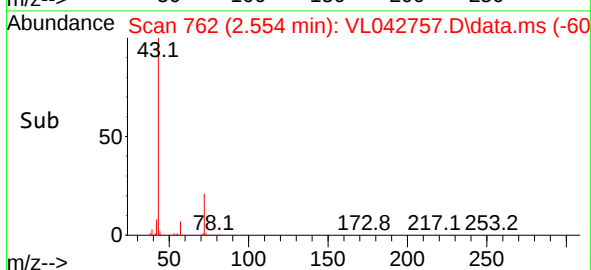
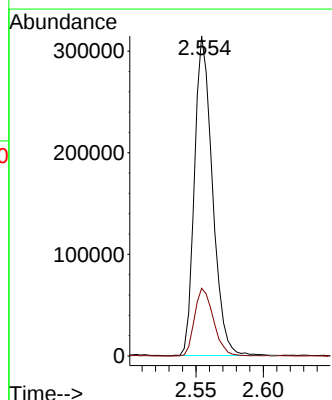
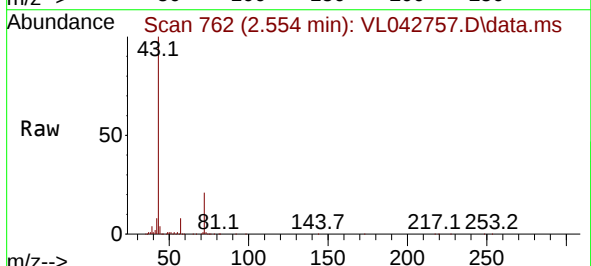
Acq: 24 Jul 2025 08:23

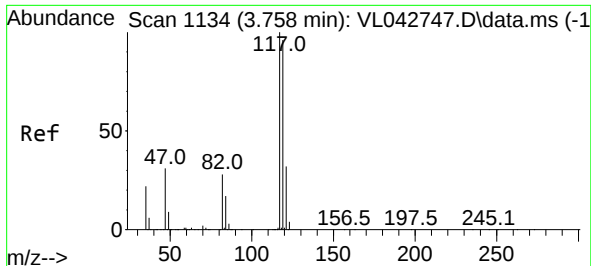
Tgt Ion: 43 Resp: 291075

Ion Ratio Lower Upper

43 100

72 22.5 17.4 26.0

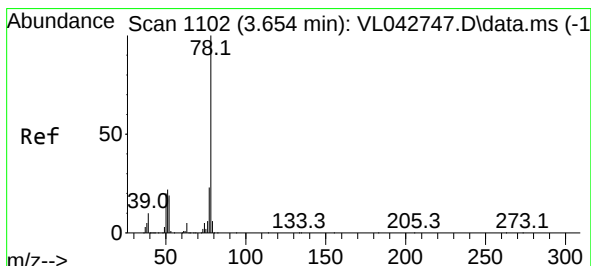
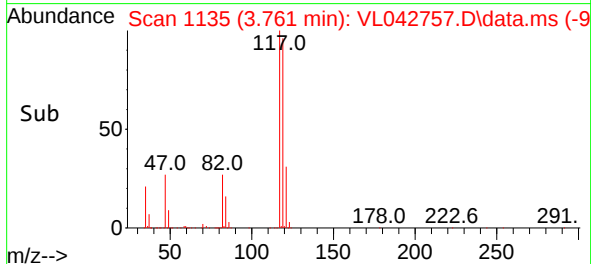
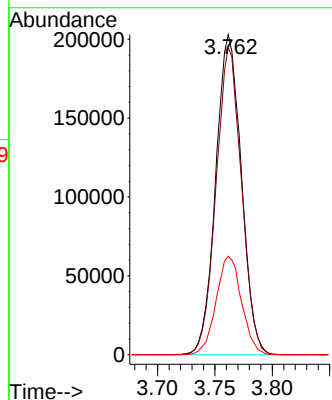
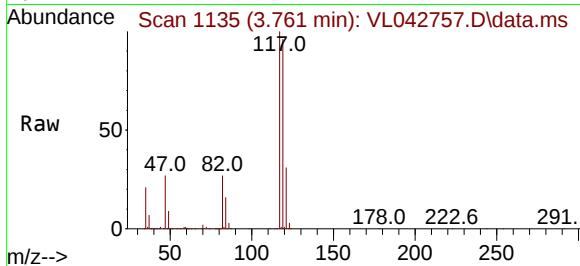




#35
Carbon Tetrachloride
Concen: 9.908 ppbv
RT: 3.761 min Scan# 1134
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

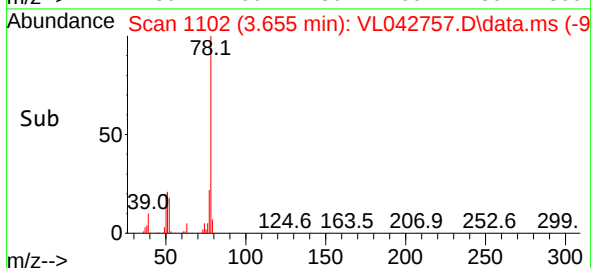
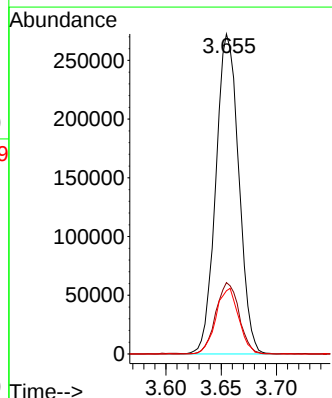
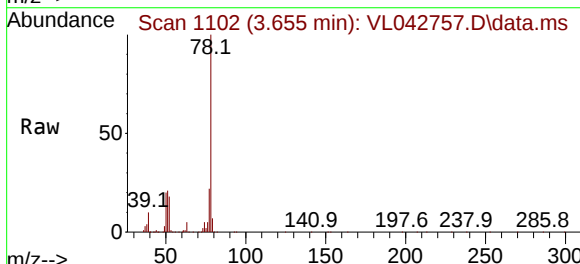
Instrument :
MSVOA_L
ClientSampleId :

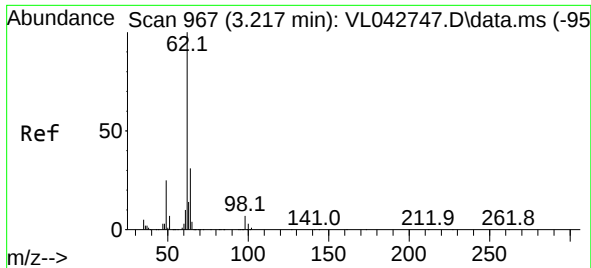
Tgt Ion:117 Resp: 314409
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7
121 30.8 25.5 38.3



#36
Benzene
Concen: 9.711 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 78 Resp: 393168
Ion Ratio Lower Upper
78 100
77 22.2 18.5 27.7
50 19.8 16.2 24.2

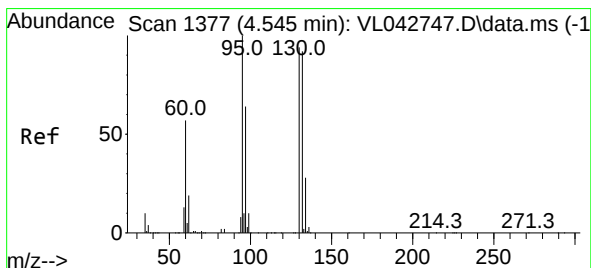
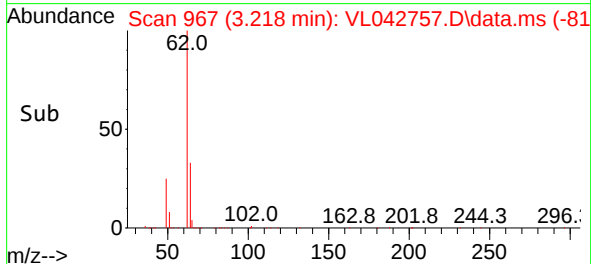
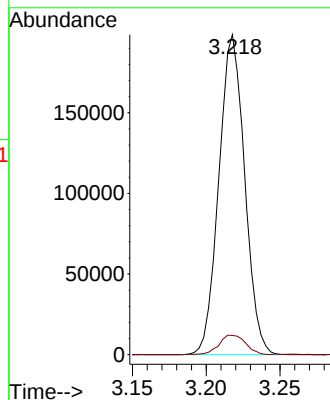
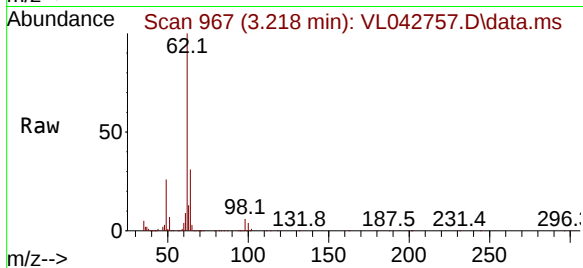




#37
1,2-Dichloroethane
Concen: 9.914 ppbv
RT: 3.218 min Scan# 967
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

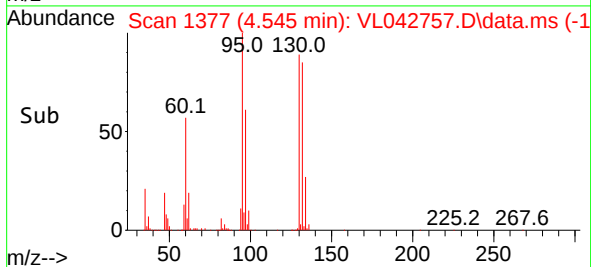
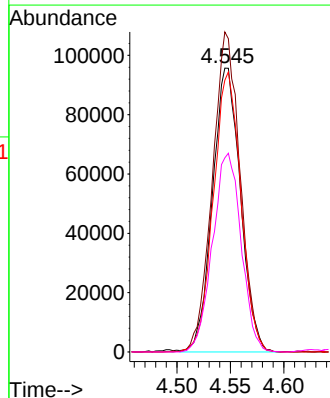
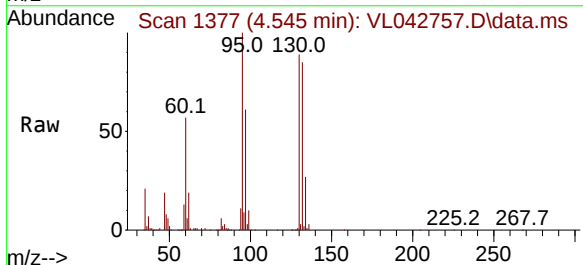
Instrument :
MSVOA_L
ClientSampleId :

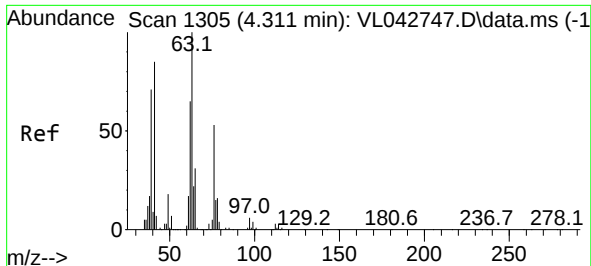
Tgt Ion: 62 Resp: 241809
Ion Ratio Lower Upper
62 100
98 6.4 5.2 7.8



#38
Trichloroethene
Concen: 8.945 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:130 Resp: 173991
Ion Ratio Lower Upper
130 100
95 112.7 85.4 128.2
132 95.7 78.2 117.2
97 68.4 54.8 82.2





#39

1,2-Dichloropropane

Concen: 9.637 ppbv

RT: 4.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

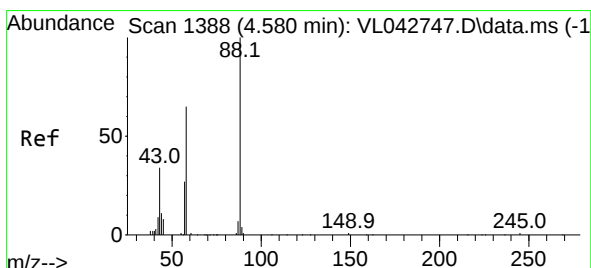
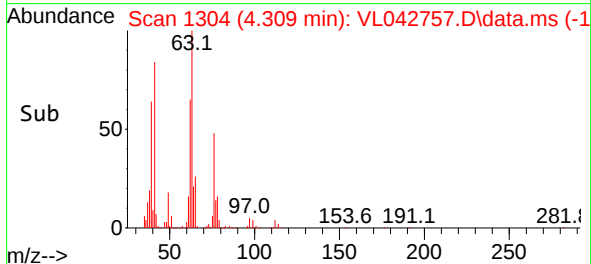
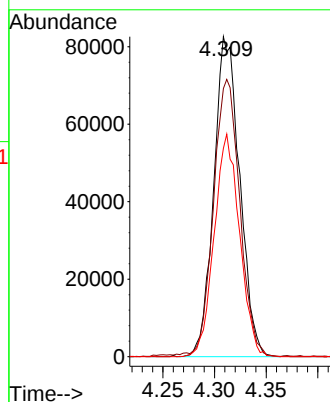
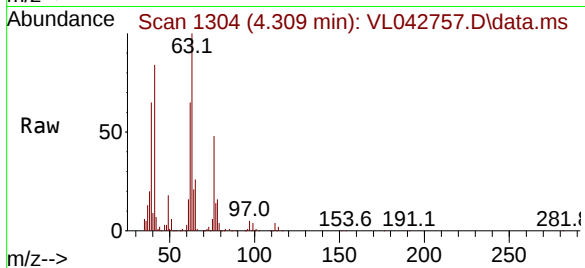
Tgt Ion: 63 Resp: 144022

Ion Ratio Lower Upper

63 100

41 83.7 68.2 102.4

62 65.1 52.0 78.0



#40

1,4-Dioxane

Concen: 9.450 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Tgt Ion: 88 Resp: 65828

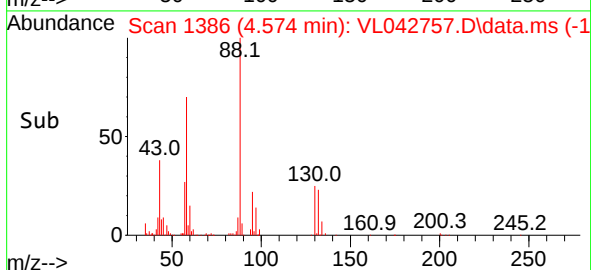
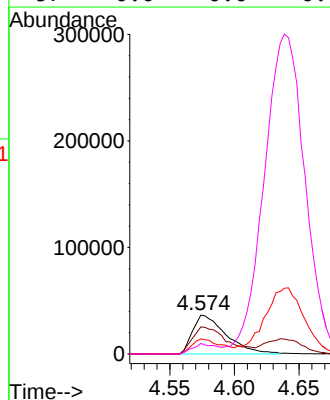
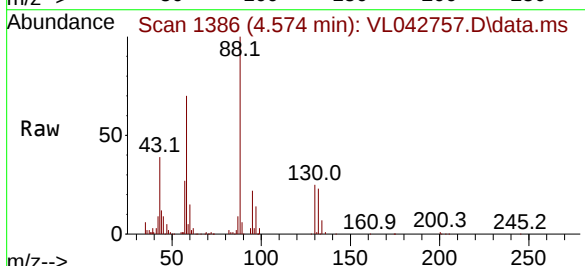
Ion Ratio Lower Upper

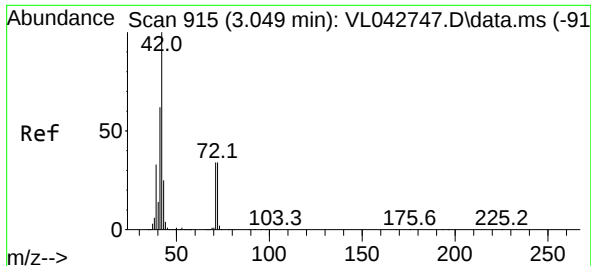
88 100

58 69.2 58.8 88.2

43 35.3 28.9 43.3

57 0.0 0.0 0.0

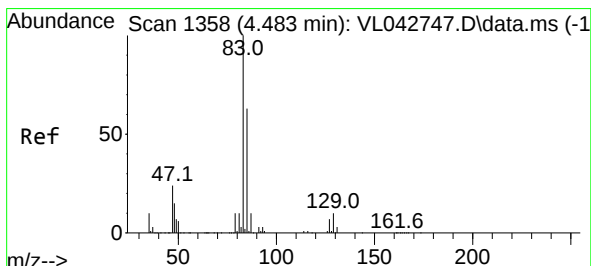
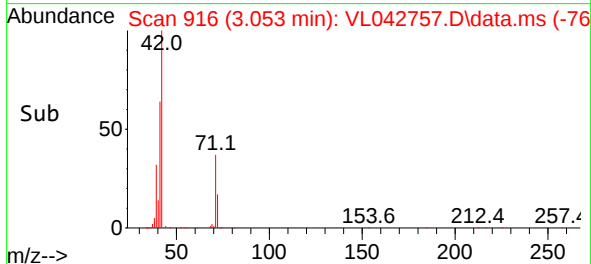
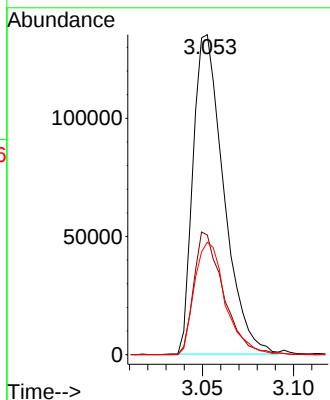
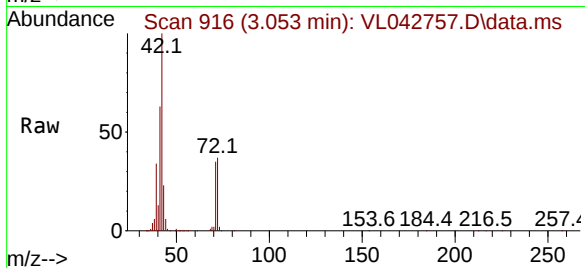




#41
Tetrahydrofuran
Concen: 10.290 ppbv
RT: 3.053 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

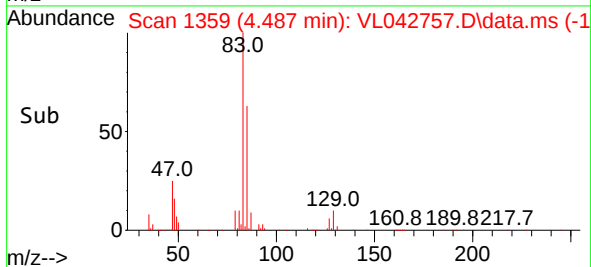
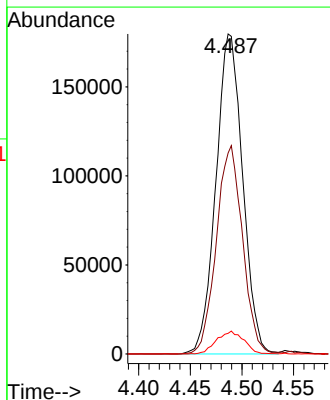
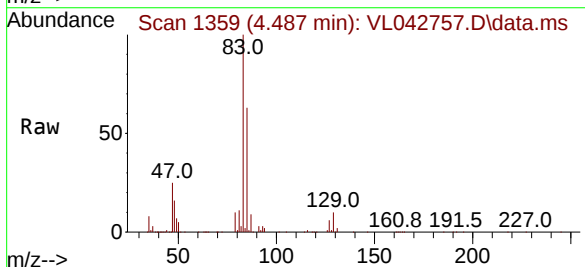
Instrument :
MSVOA_L
ClientSampleId :

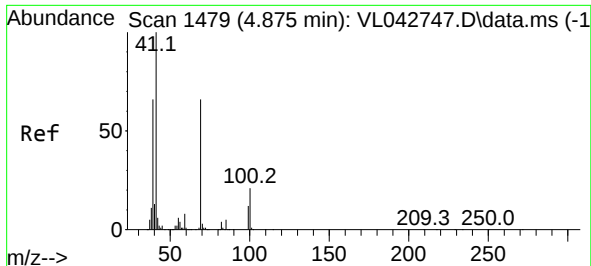
Tgt Ion: 42 Resp: 158450
Ion Ratio Lower Upper
42 100
72 37.2 30.9 46.3
71 35.8 28.6 43.0



#42
Bromodichloromethane
Concen: 10.190 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 83 Resp: 323680
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.4
127 6.4 5.4 8.2

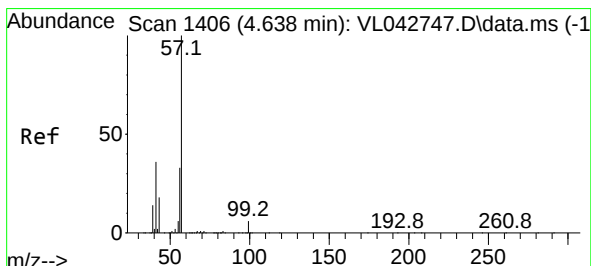
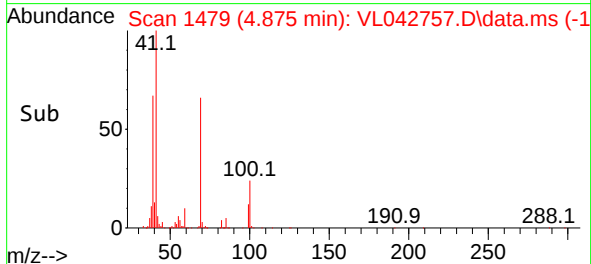
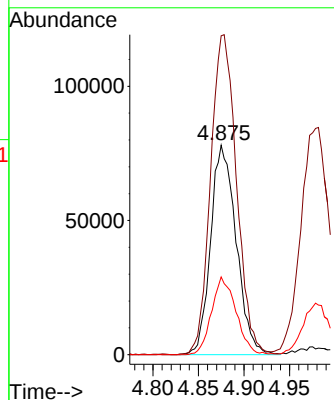
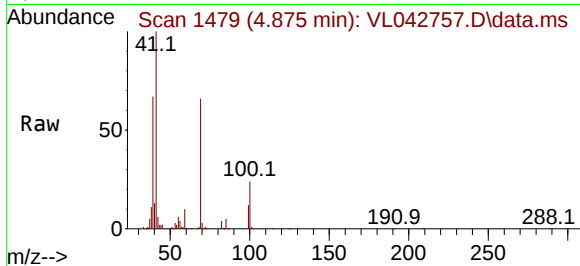




#43
Methyl Methacrylate
Concen: 10.582 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

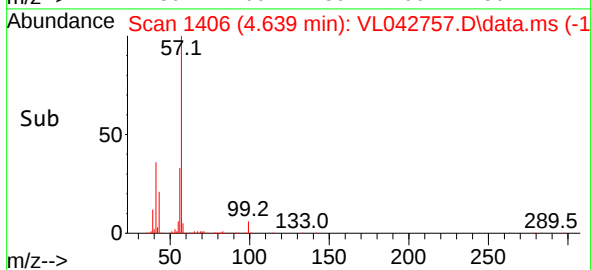
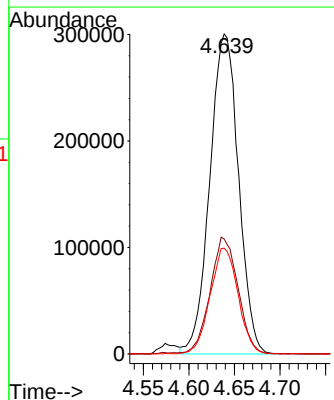
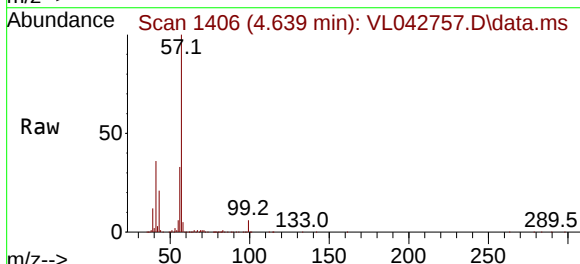
Instrument :
MSVOA_L
ClientSampleId :

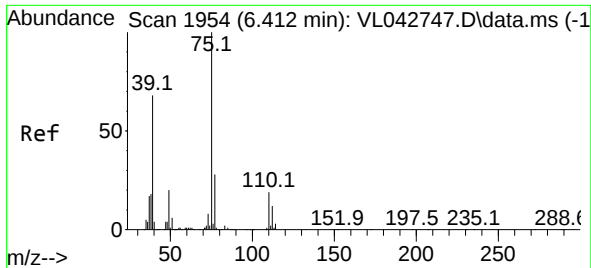
Tgt Ion: 69 Resp: 152285
Ion Ratio Lower Upper
69 100
41 154.8 125.7 188.5
100 35.6 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 9.990 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 57 Resp: 659271
Ion Ratio Lower Upper
57 100
41 35.9 28.3 42.5
56 32.2 25.8 38.6

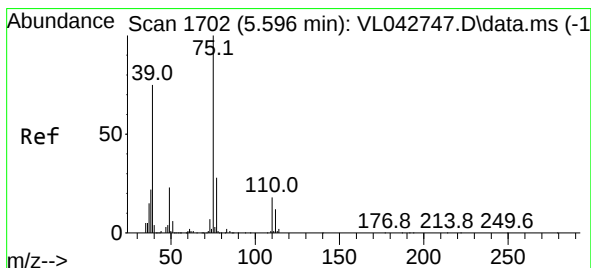
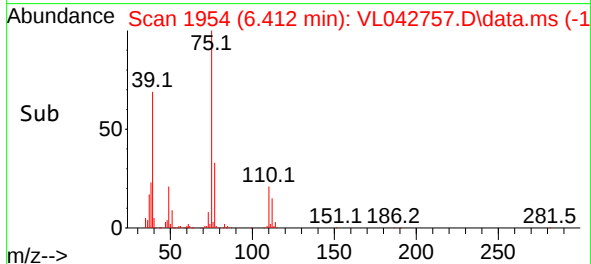
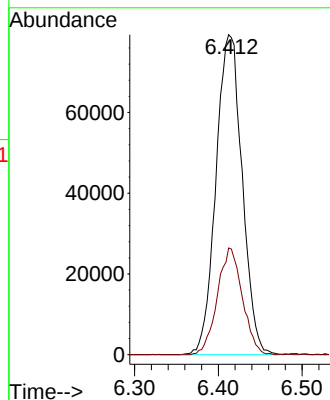
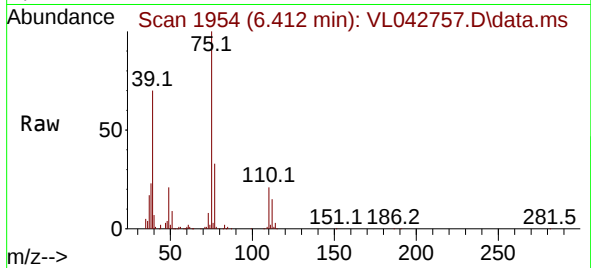




#45
 t-1,3-Dichloropropene
 Concen: 10.662 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

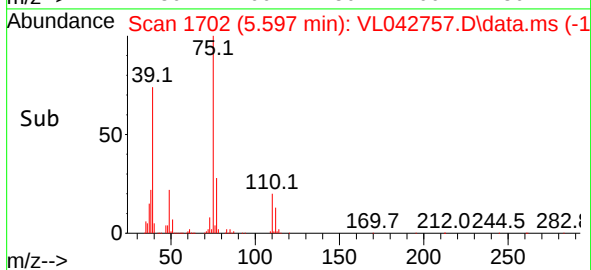
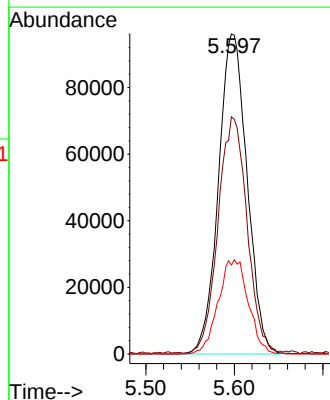
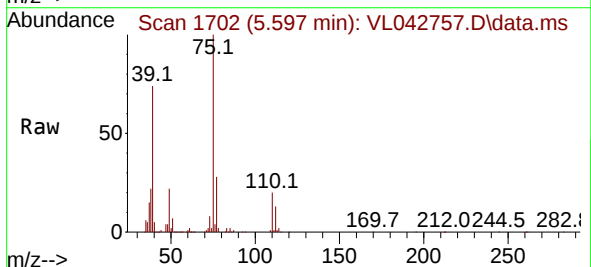
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 75 Resp: 172061
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.554 ppbv
 RT: 5.597 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion: 75 Resp: 215829
 Ion Ratio Lower Upper
 75 100
 39 73.6 60.2 90.2
 77 27.8 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 9.676 ppbv

RT: 6.581 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 154154

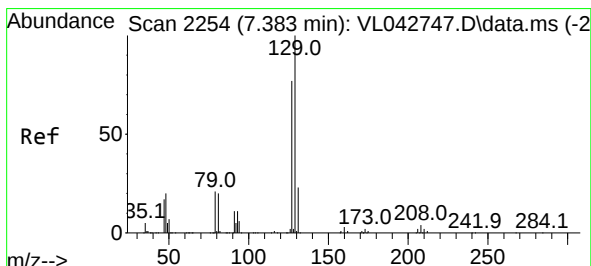
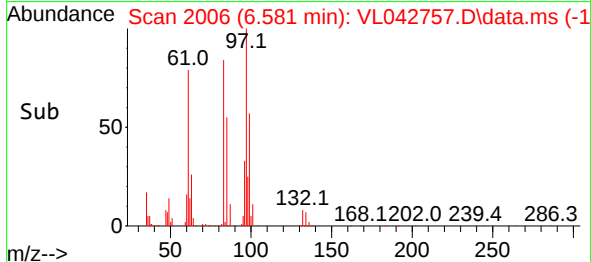
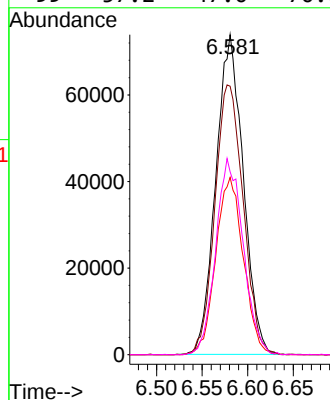
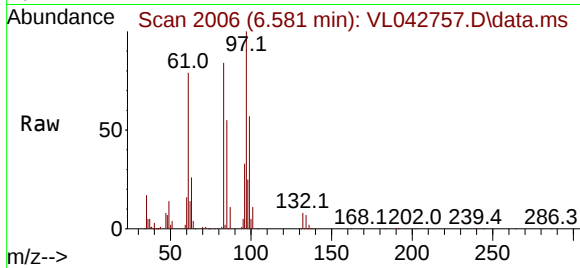
Ion Ratio Lower Upper

97 100

83 84.0 71.1 106.7

85 55.4 43.0 64.4

99 57.2 47.0 70.6



#48

Dibromochloromethane

Concen: 10.419 ppbv

RT: 7.387 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL042757.D

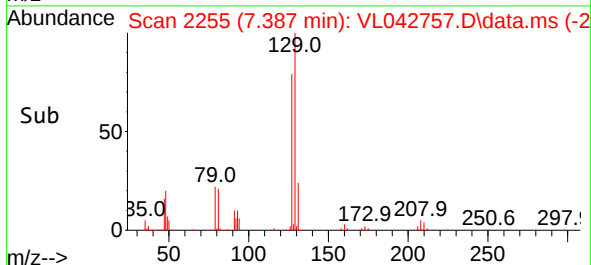
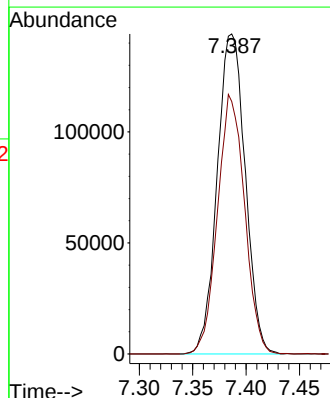
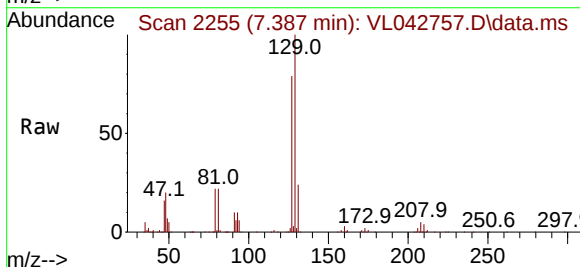
Acq: 24 Jul 2025 08:23

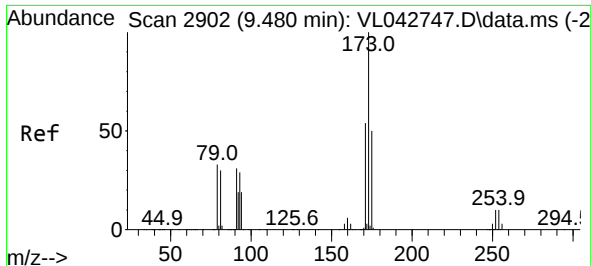
Tgt Ion: 129 Resp: 263525

Ion Ratio Lower Upper

129 100

127 78.3 38.7 116.1





#49

Bromoform

Concen: 10.390 ppbv

RT: 9.481 min Scan# 2902

Delta R.T. 0.000 min

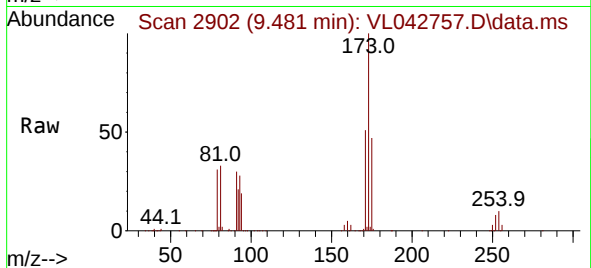
Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :



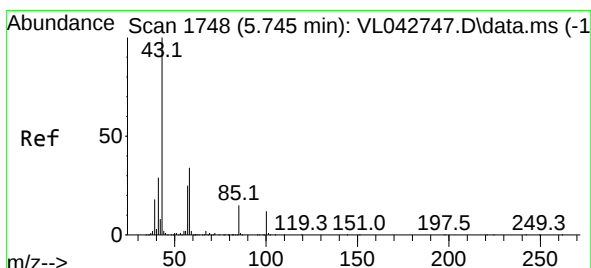
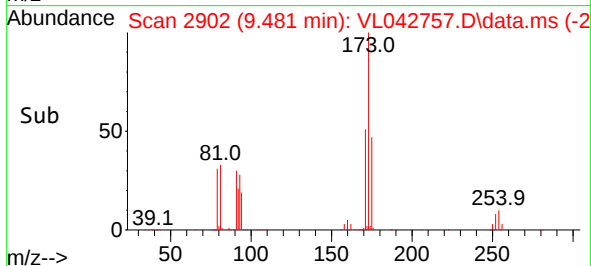
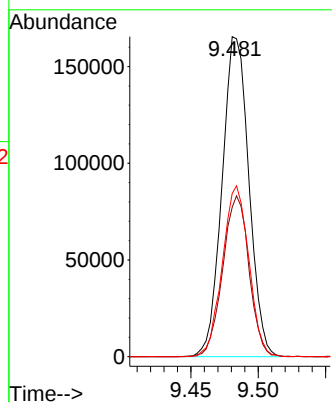
Tgt Ion:173 Resp: 229121

Ion Ratio Lower Upper

173 100

175 49.2 38.4 57.6

171 52.7 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 9.953 ppbv

RT: 5.746 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VL042757.D

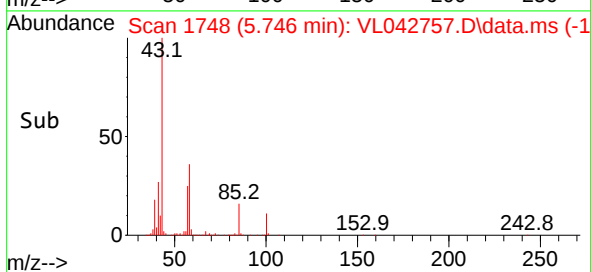
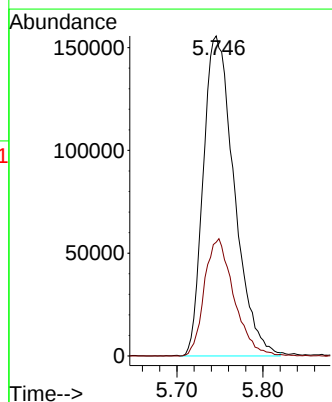
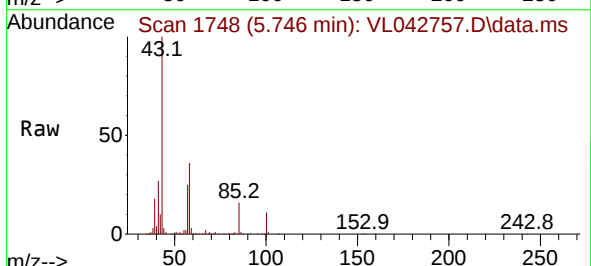
Acq: 24 Jul 2025 08:23

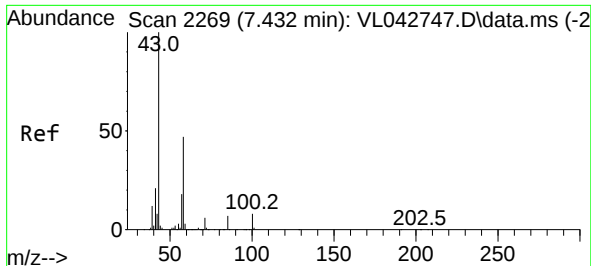
Tgt Ion: 43 Resp: 387968

Ion Ratio Lower Upper

43 100

58 35.2 27.8 41.8

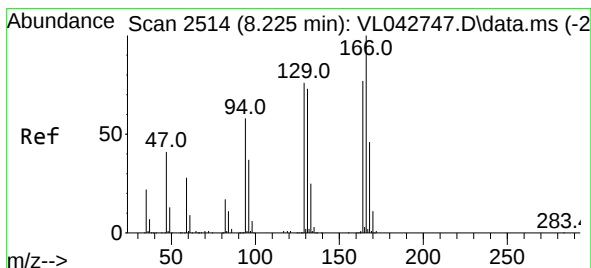
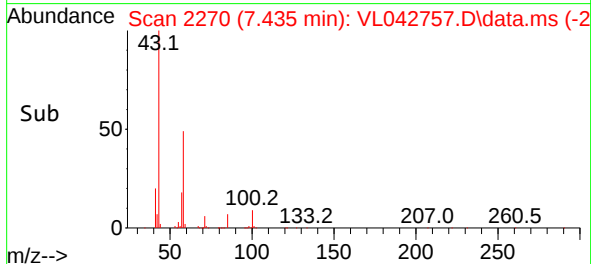
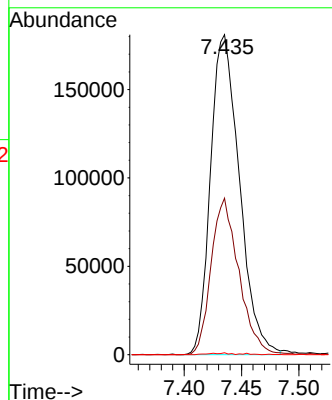
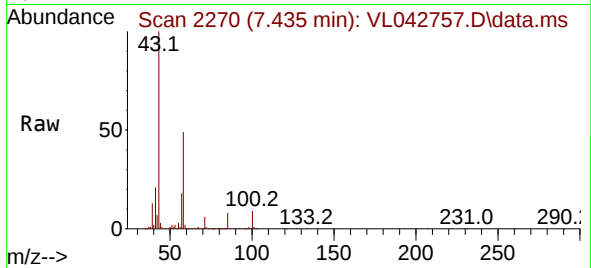




#51
2-Hexanone
Concen: 10.761 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

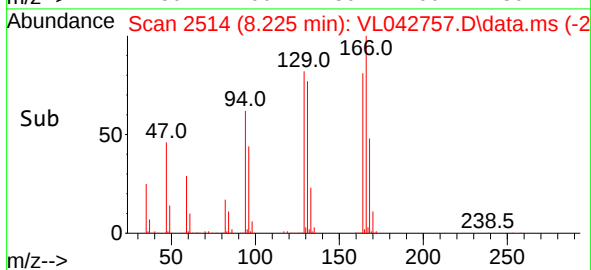
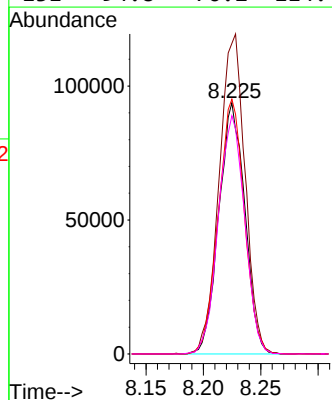
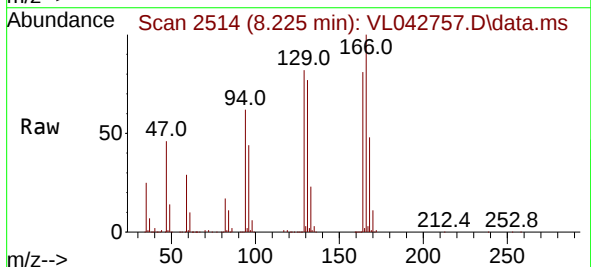
Instrument :
MSVOA_L
ClientSampleId :

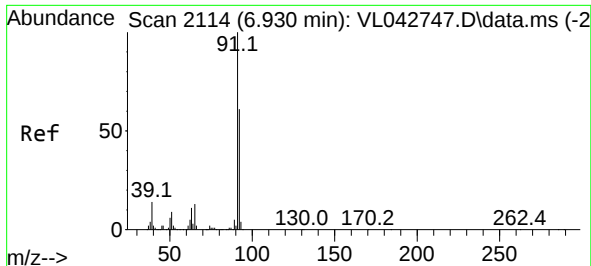
Tgt Ion: 43 Resp: 317003
Ion Ratio Lower Upper
43 100
58 47.2 38.0 57.0
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 8.758 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 164 Resp: 146976
Ion Ratio Lower Upper
164 100
166 123.6 104.0 156.0
129 101.5 79.2 118.8
131 94.8 76.2 114.4

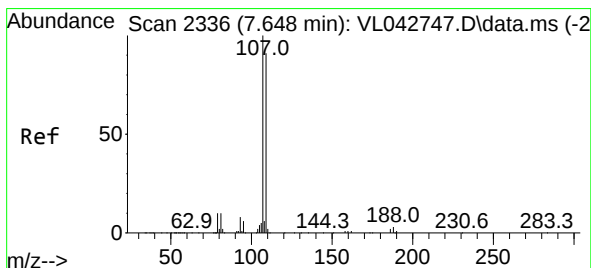
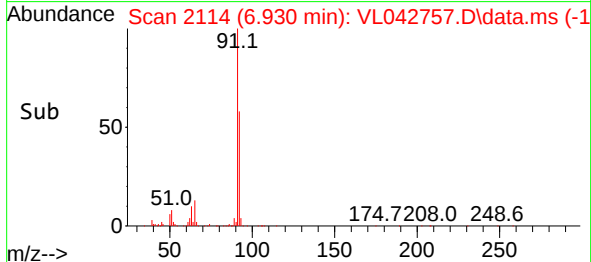
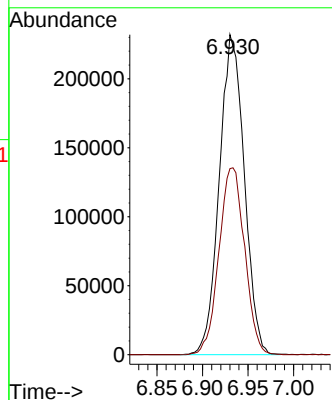
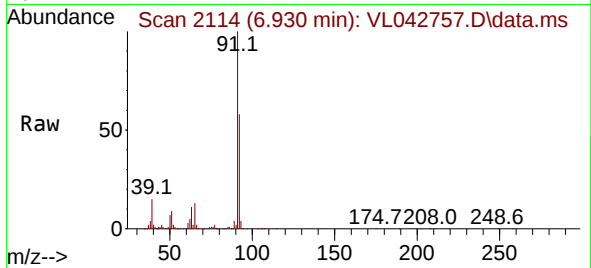




#53
Toluene
Concen: 10.175 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

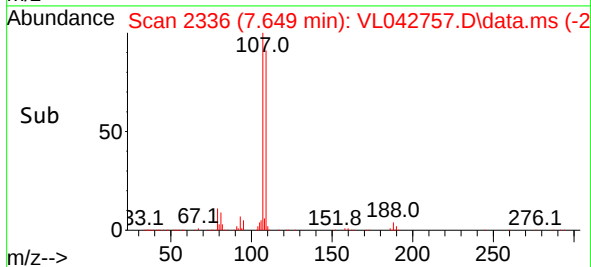
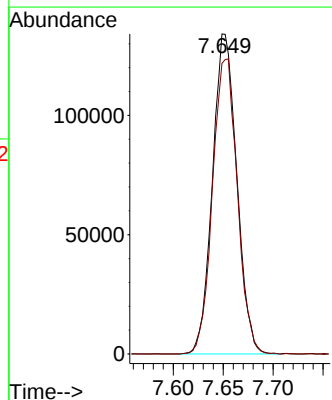
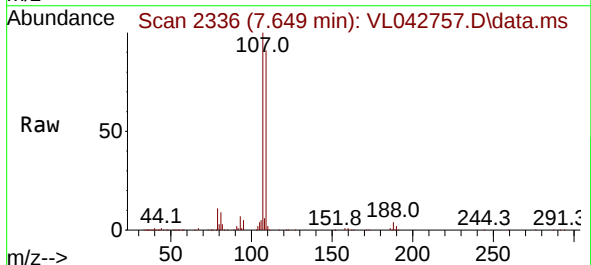
Instrument :
MSVOA_L
ClientSampleId :

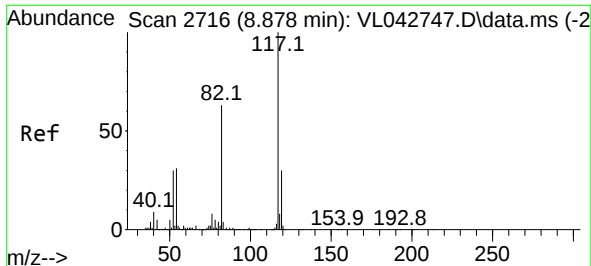
Tgt Ion: 91 Resp: 442405
Ion Ratio Lower Upper
91 100
92 60.1 48.0 72.0



#54
1,2-Dibromoethane
Concen: 10.094 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 107 Resp: 227212
Ion Ratio Lower Upper
107 100
109 90.8 72.7 109.1

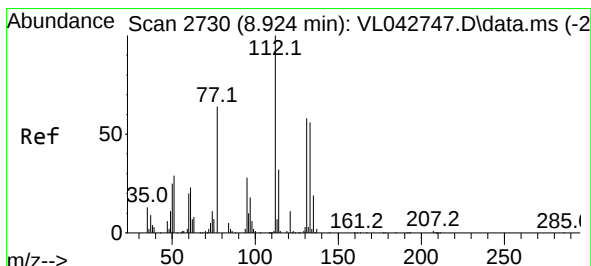
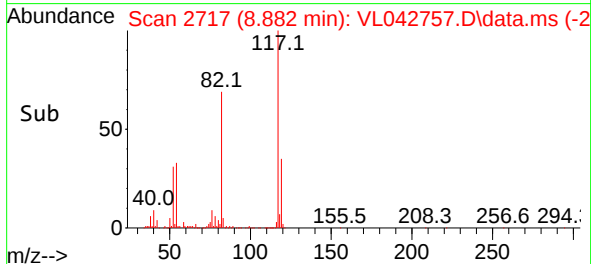
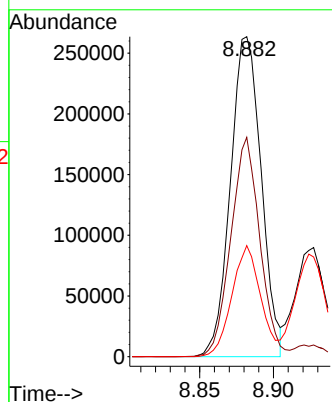
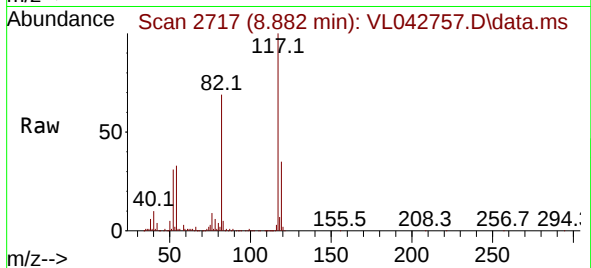




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2716
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

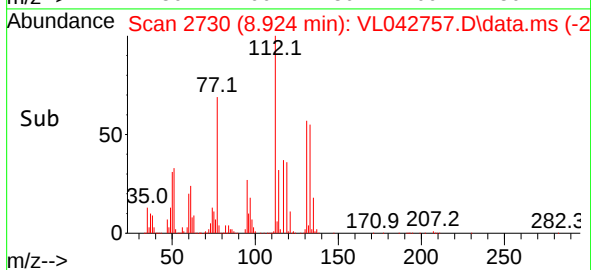
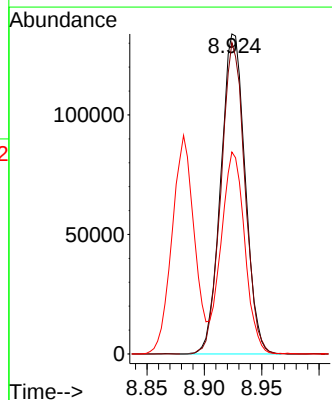
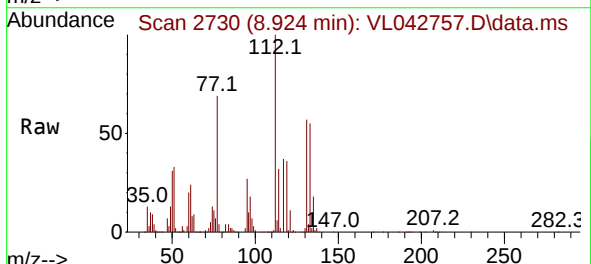
Instrument :
MSVOA_L
ClientSampleId :

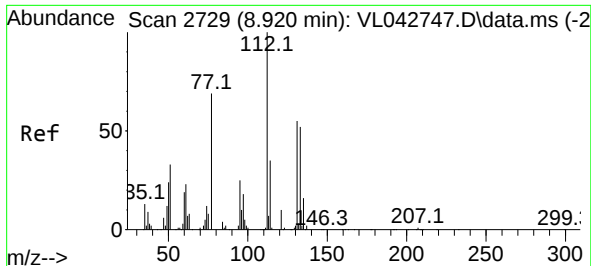
Tgt Ion:117 Resp: 383056
Ion Ratio Lower Upper
117 100
82 68.0 53.3 79.9
119 32.2 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.946 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:131 Resp: 198082
Ion Ratio Lower Upper
131 100
133 95.1 76.8 115.2
119 61.8 49.7 74.5





#57

Chlorobenzene

Concen: 9.419 ppbv

RT: 8.921 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

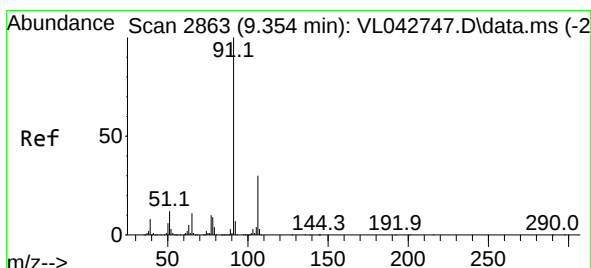
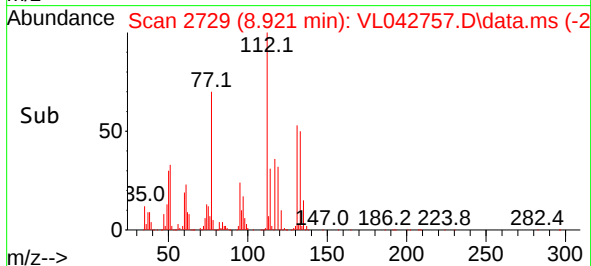
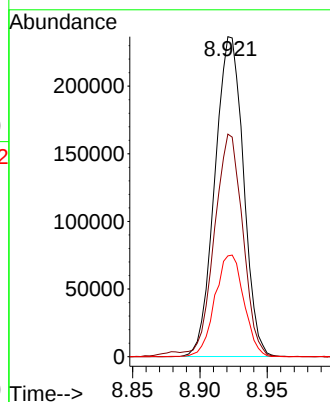
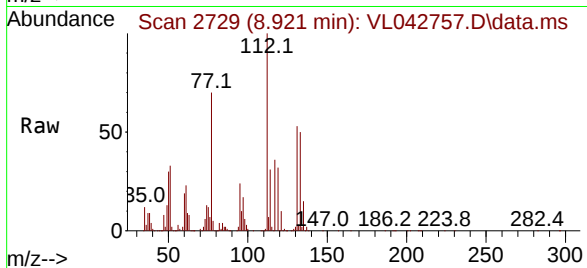
Tgt Ion:112 Resp: 349201

Ion Ratio Lower Upper

112 100

77 69.5 56.4 84.6

114 31.4 31.2 38.2



#58

Ethyl Benzene

Concen: 10.298 ppbv

RT: 9.354 min Scan# 2863

Delta R.T. 0.000 min

Lab File: VL042757.D

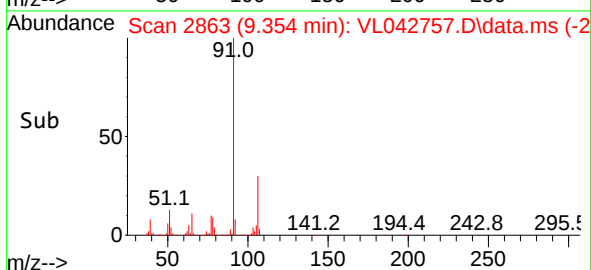
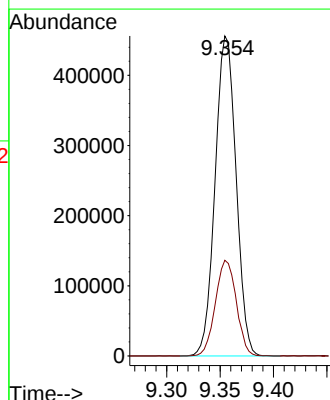
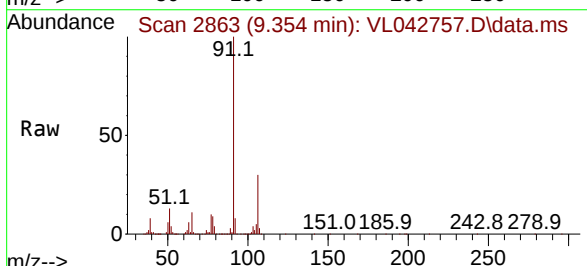
Acq: 24 Jul 2025 08:23

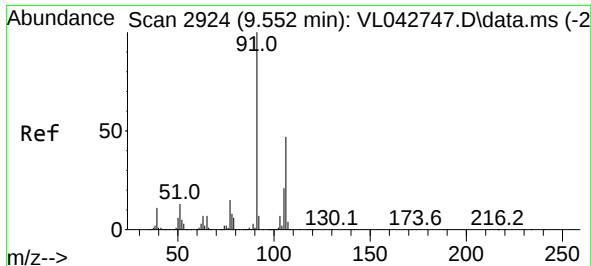
Tgt Ion: 91 Resp: 622947

Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.6





#59

m/p-Xylene

Concen: 9.583 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

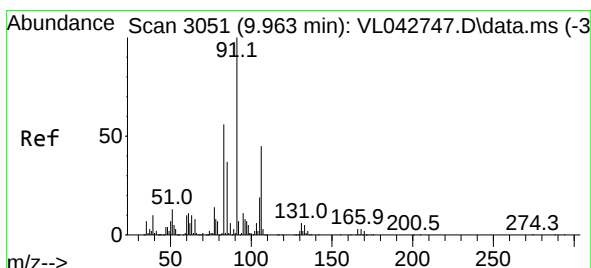
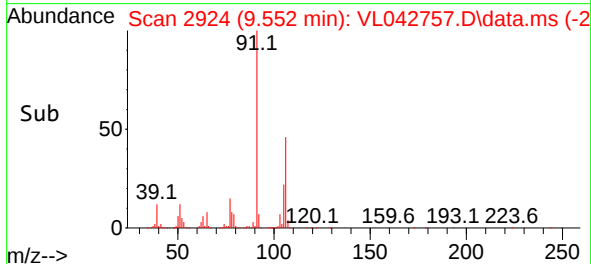
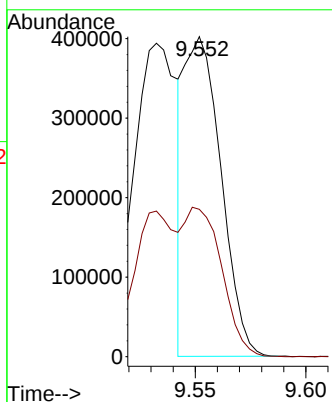
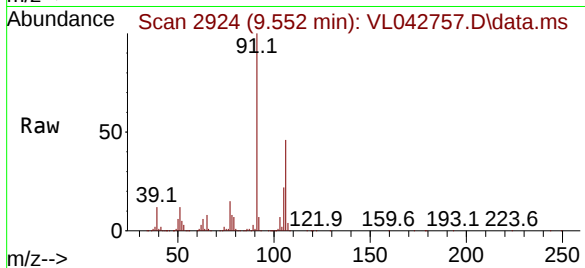
ClientSampleId :

Tgt Ion: 91 Resp: 463296

Ion Ratio Lower Upper

91 100

106 101.1 37.4 56.2#



#60

o-Xylene

Concen: 10.353 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042757.D

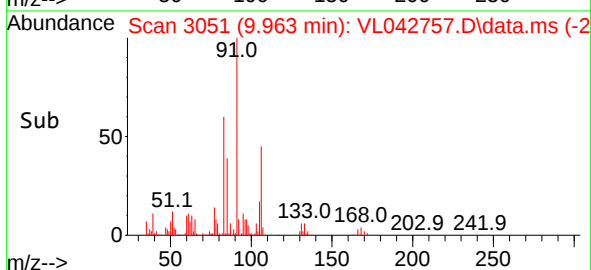
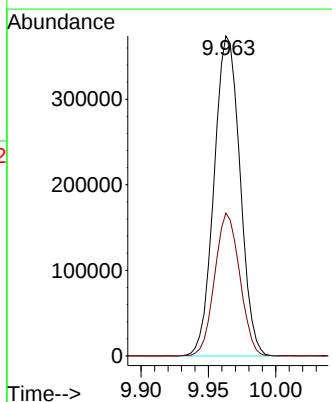
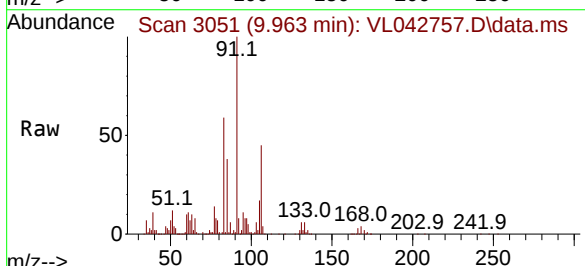
Acq: 24 Jul 2025 08:23

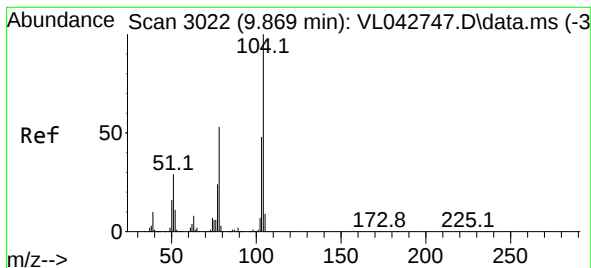
Tgt Ion: 91 Resp: 500129

Ion Ratio Lower Upper

91 100

106 43.2 22.0 66.0





#61

Styrene

Concen: 10.920 ppbv

RT: 9.869 min Scan# 3022

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

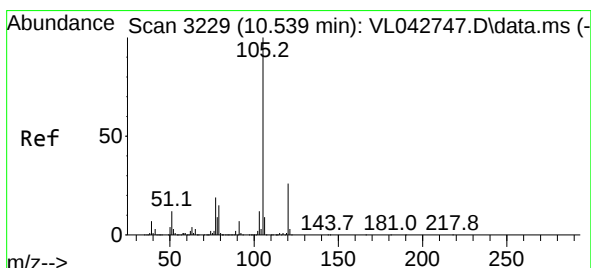
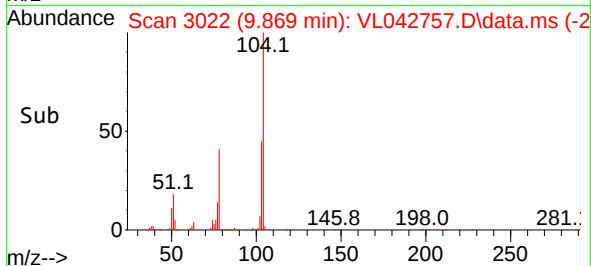
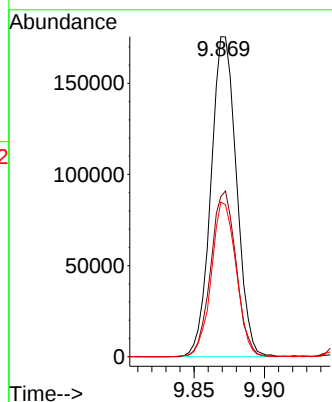
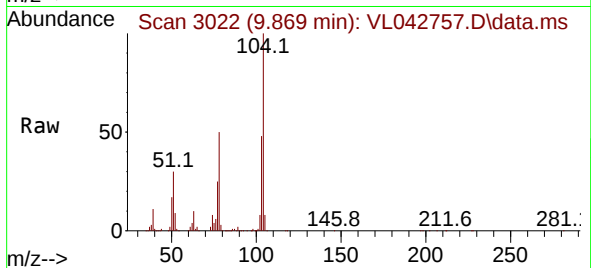
Tgt Ion:104 Resp: 221916

Ion Ratio Lower Upper

104 100

78 51.4 41.5 62.3

103 47.2 37.5 56.3



#62

Isopropylbenzene

Concen: 10.134 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.000 min

Lab File: VL042757.D

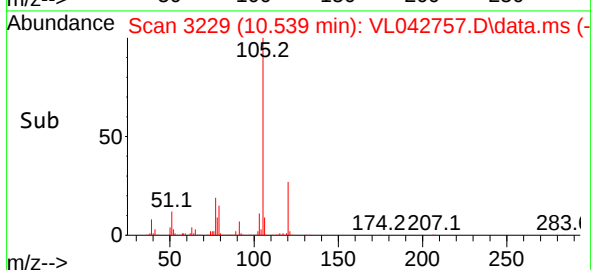
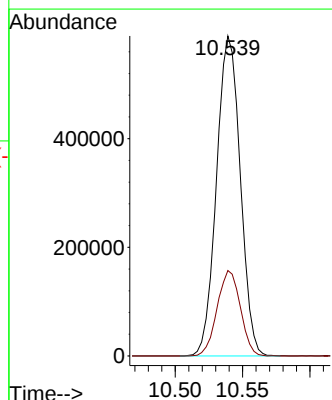
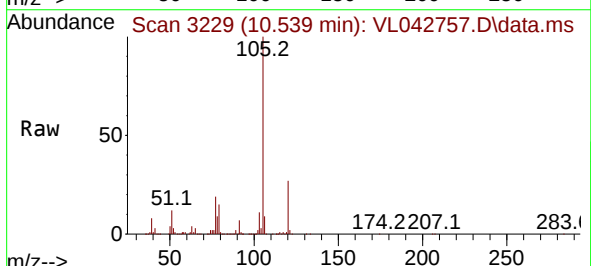
Acq: 24 Jul 2025 08:23

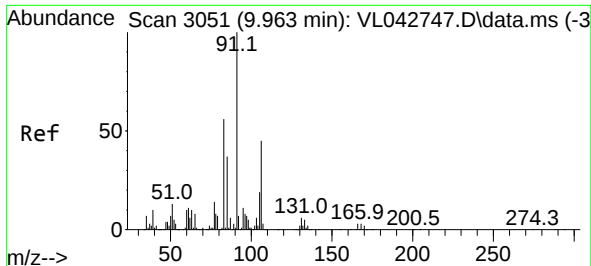
Tgt Ion:105 Resp: 722087

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

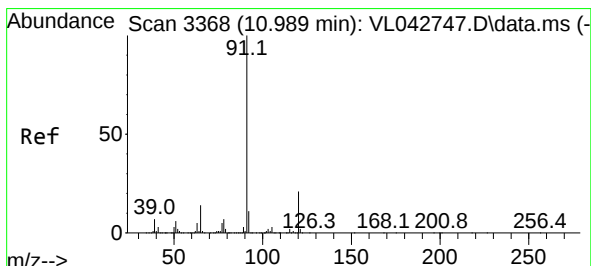
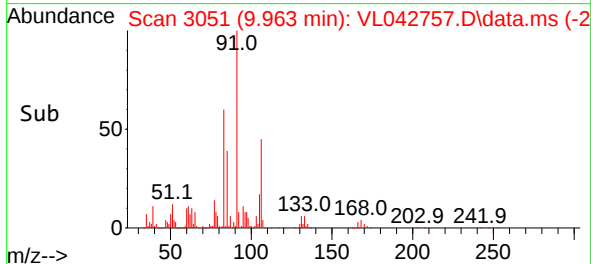
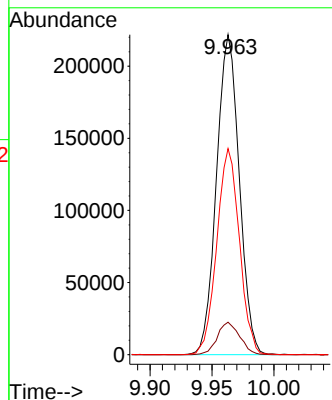
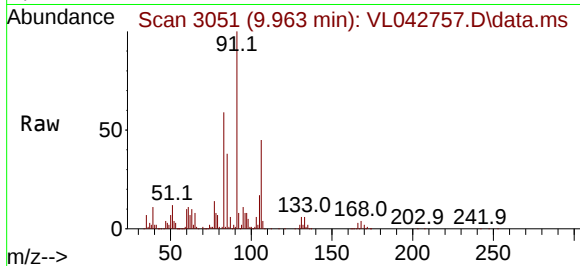




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.171 ppbv
 RT: 9.963 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

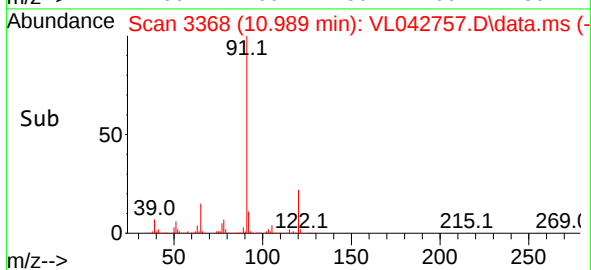
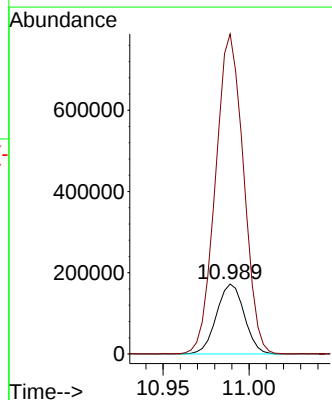
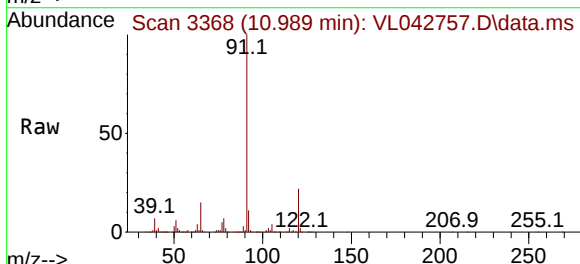
Instrument :
 MSVOA_L
 ClientSampleId :

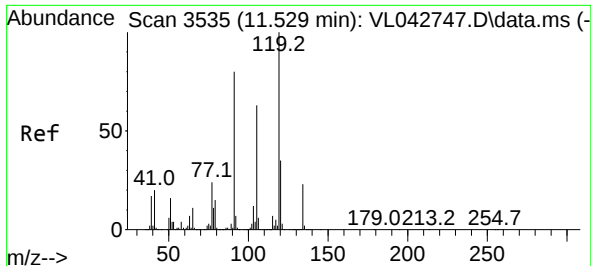
Tgt Ion: 83 Resp: 284428
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.0 15.0
 85 63.9 32.6 97.7



#64
 n-propylbenzene
 Concen: 10.381 ppbv
 RT: 10.989 min Scan# 3368
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion: 120 Resp: 192843
 Ion Ratio Lower Upper
 120 100
 91 463.5 372.7 559.1

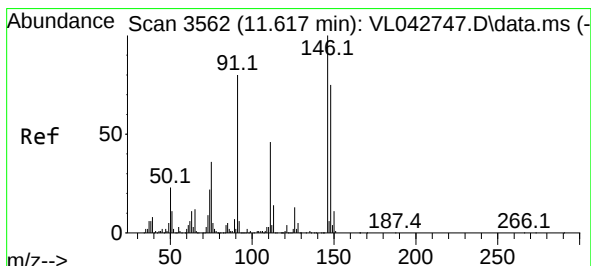
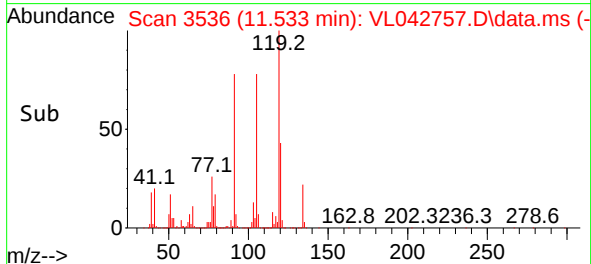
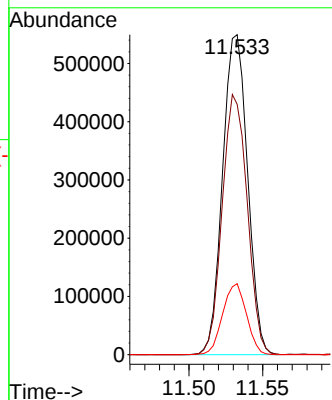
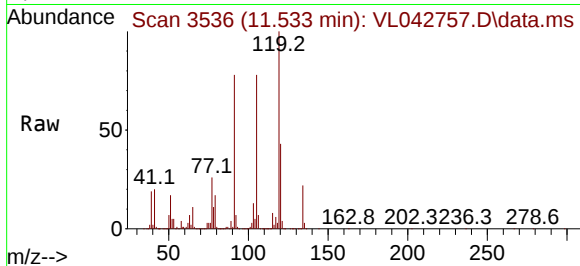




#65
tert-Butylbenzene
Concen: 10.234 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

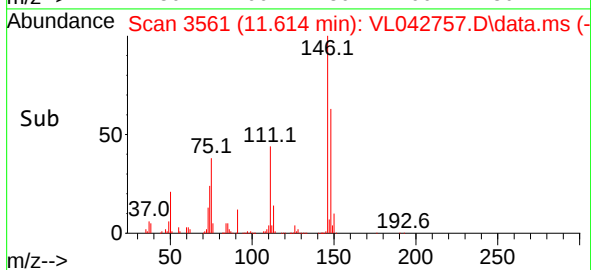
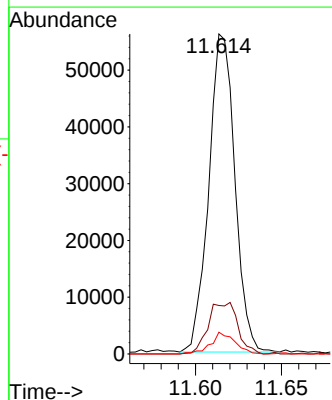
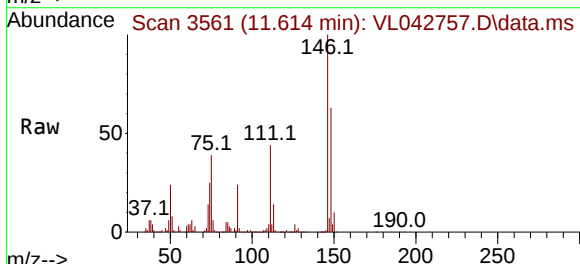
Instrument :
MSVOA_L
ClientSampleId :

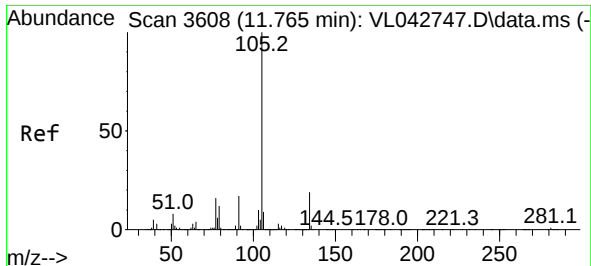
Tgt Ion:119 Resp: 647770
Ion Ratio Lower Upper
119 100
91 81.7 64.0 96.0
134 21.1 17.3 25.9



#66
Benzyl Chloride
Concen: 11.381 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 59138
Ion Ratio Lower Upper
91 100
126 18.4 14.4 21.6
128 6.5 5.2 7.8

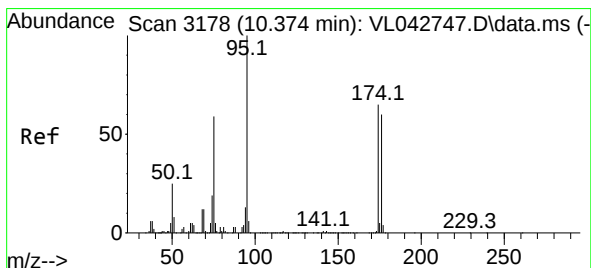
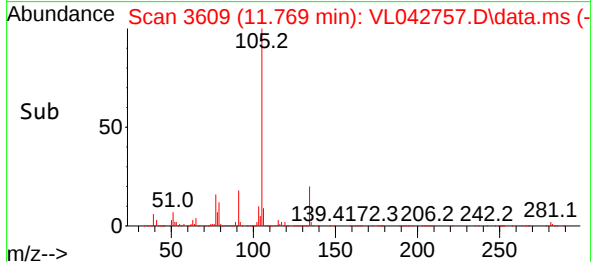
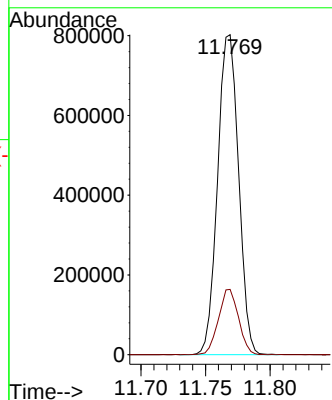
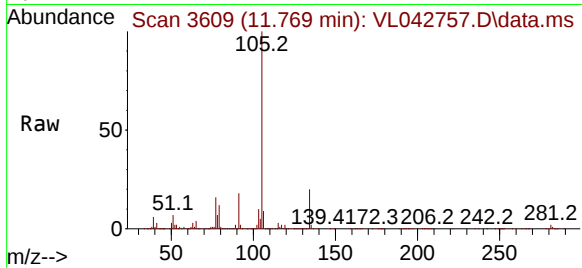




#67
 sec-Butylbenzene
 Concen: 10.057 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.003 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

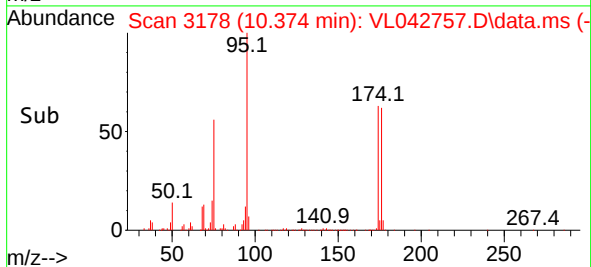
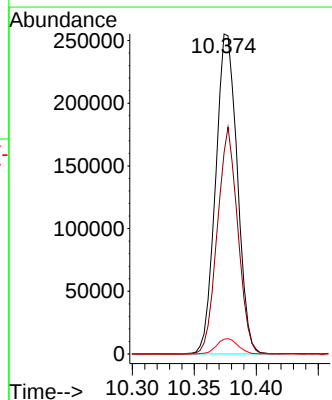
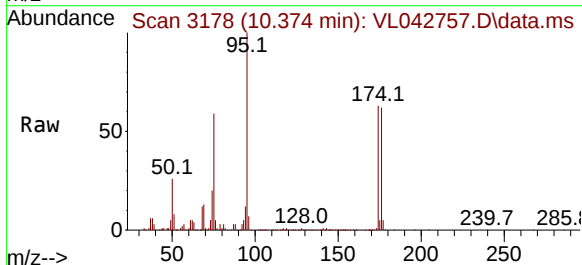
Instrument :
 MSVOA_L
 ClientSampleId :

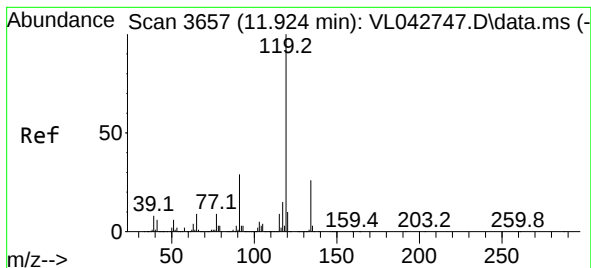
Tgt Ion:105 Resp: 905366
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.257 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042757.D
 Acq: 24 Jul 2025 08:23

Tgt Ion: 95 Resp: 311165
 Ion Ratio Lower Upper
 95 100
 174 66.9 53.8 80.6
 175 4.7 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.660 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

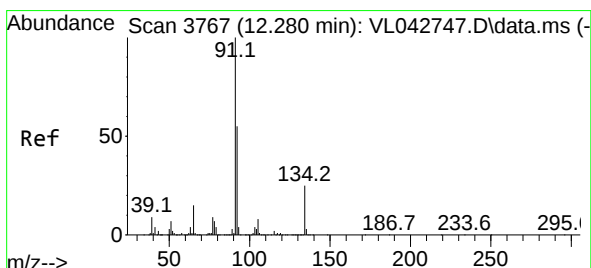
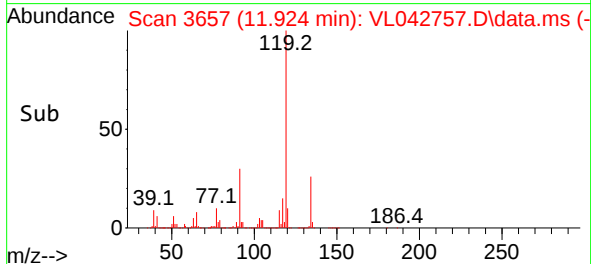
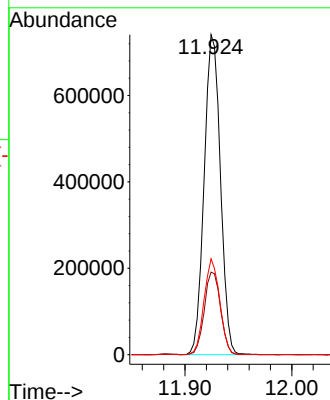
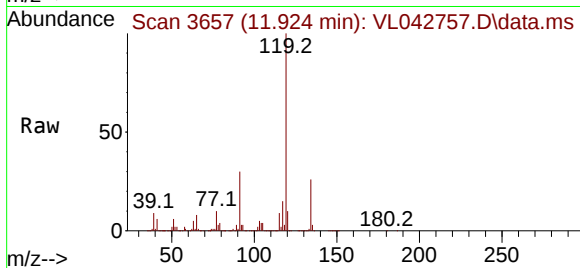
Tgt Ion:119 Resp: 782501

Ion Ratio Lower Upper

119 100

134 26.0 20.6 31.0

91 29.1 23.2 34.8



#70

n-Butylbenzene

Concen: 11.177 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

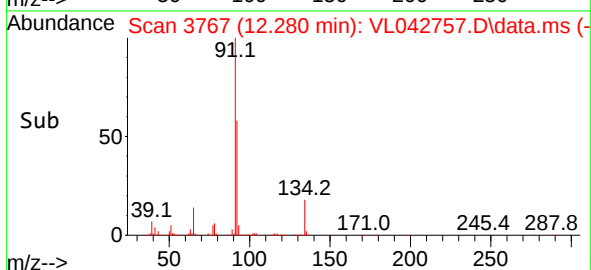
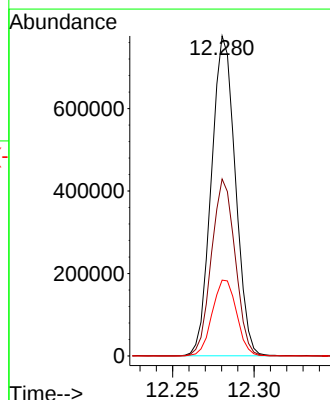
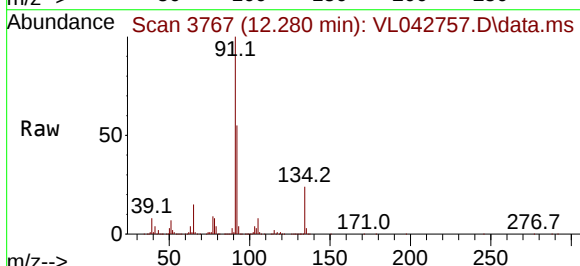
Tgt Ion: 91 Resp: 792521

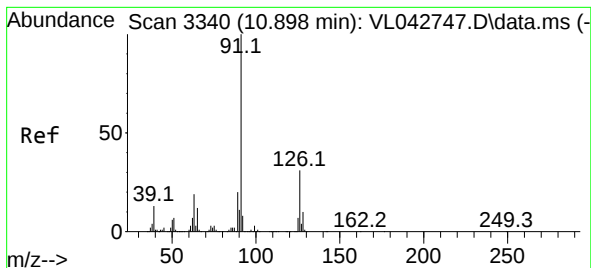
Ion Ratio Lower Upper

91 100

92 54.8 43.4 65.2

134 24.2 19.6 29.4

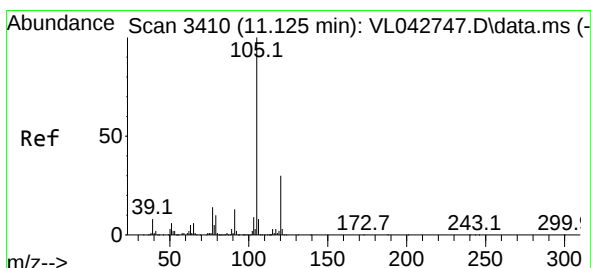
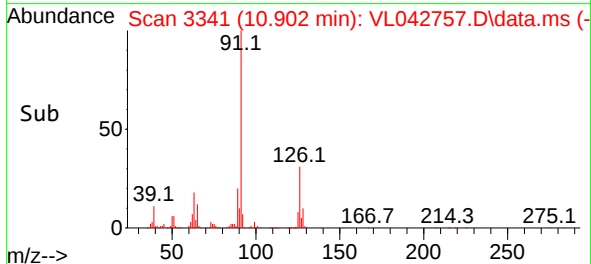
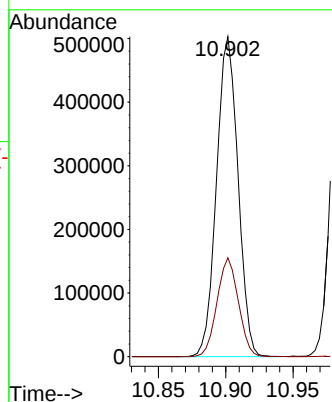
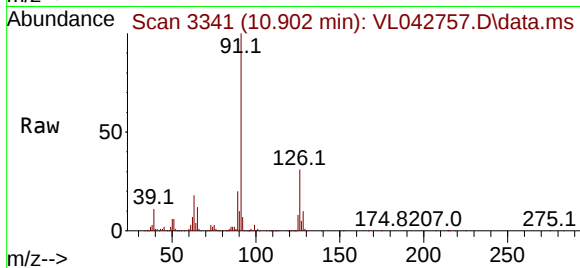




#71
2-Chlorotoluene
Concen: 10.211 ppbv
RT: 10.902 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

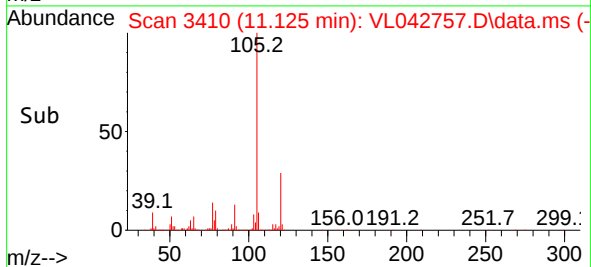
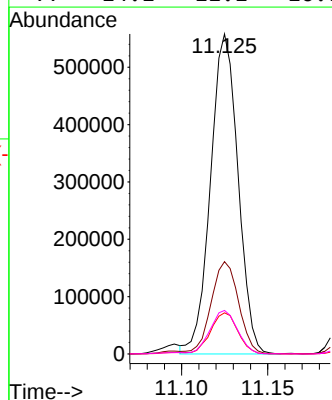
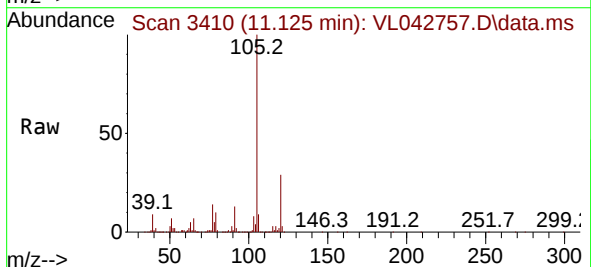
Instrument :
MSVOA_L
ClientSampleId :

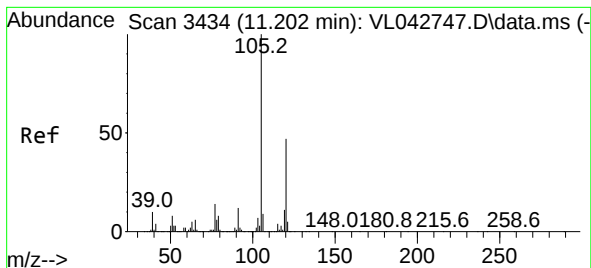
Tgt Ion: 91 Resp: 557912
Ion Ratio Lower Upper
91 100
126 30.6 12.0 48.2



#72
4-Ethyltoluene
Concen: 10.747 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 620030
Ion Ratio Lower Upper
105 100
120 29.6 24.4 36.6
91 13.3 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.856 ppbv

RT: 11.203 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

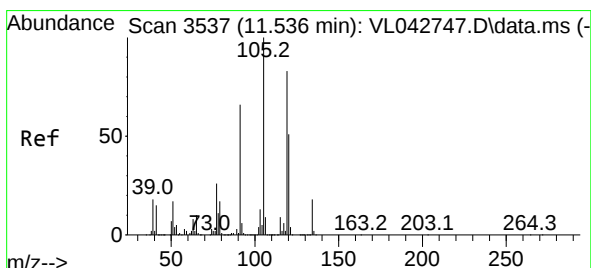
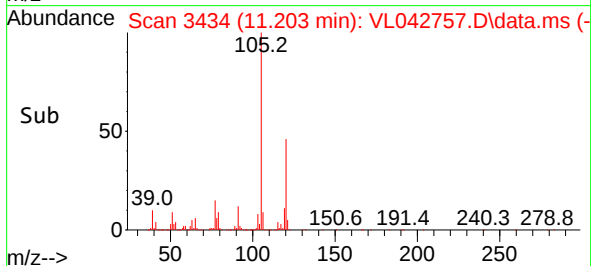
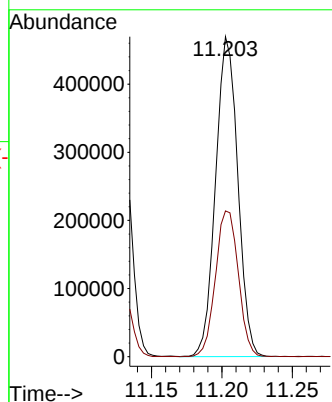
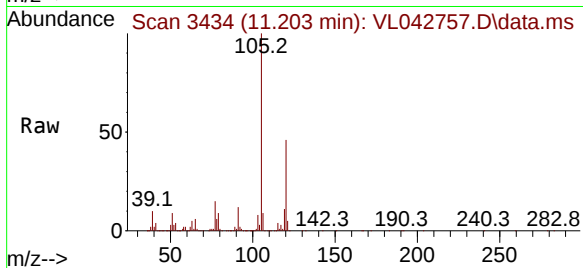
ClientSampleId :

Tgt Ion:105 Resp: 515645

Ion Ratio Lower Upper

105 100

120 45.5 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 10.834 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 561445

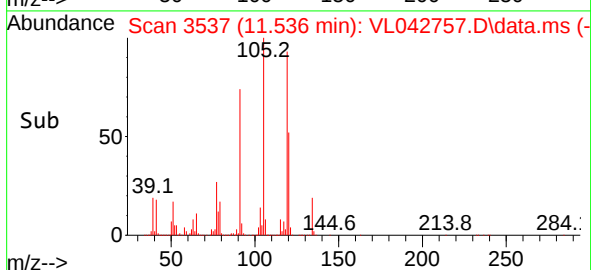
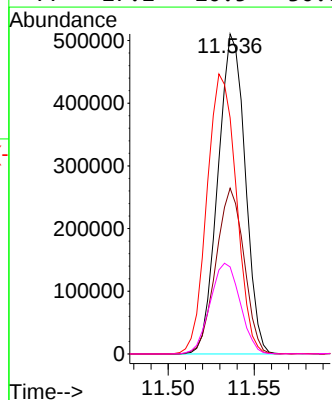
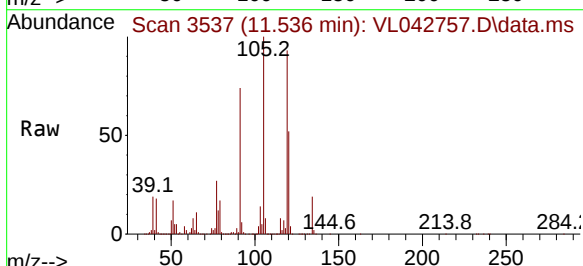
Ion Ratio Lower Upper

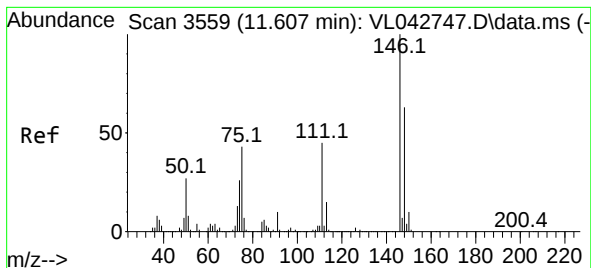
105 100

120 51.8 40.8 61.2

91 73.8 53.0 79.4

77 27.2 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 9.953 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_1

ClientSampleId :

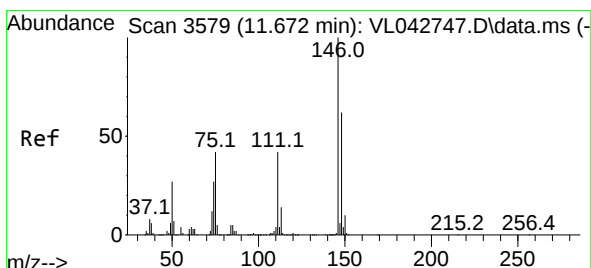
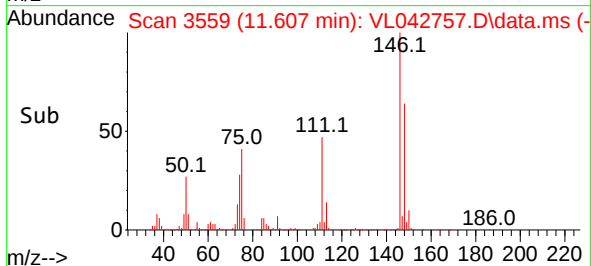
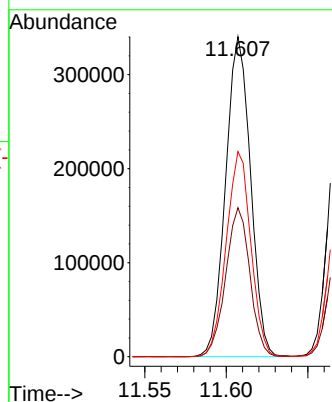
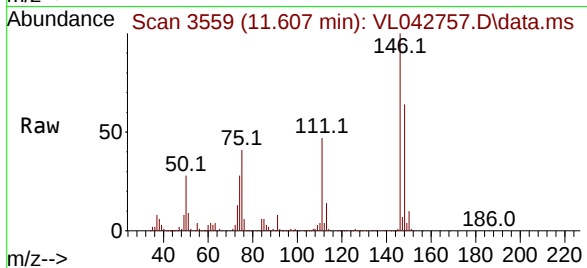
Tgt Ion:146 Resp: 361599

Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.0

148 63.5 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 10.312 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

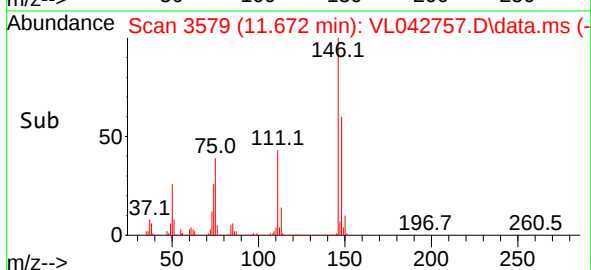
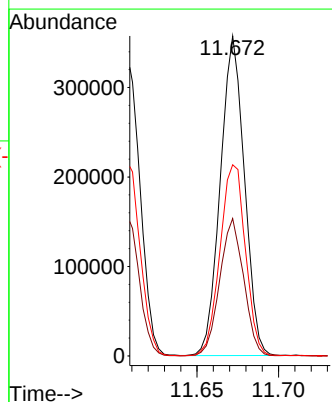
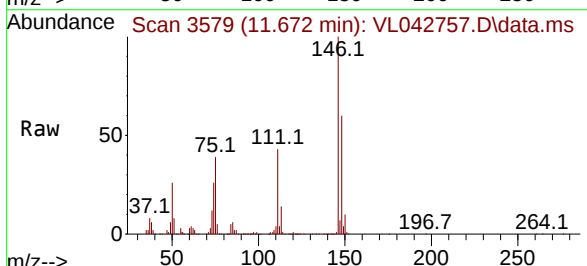
Tgt Ion:146 Resp: 366590

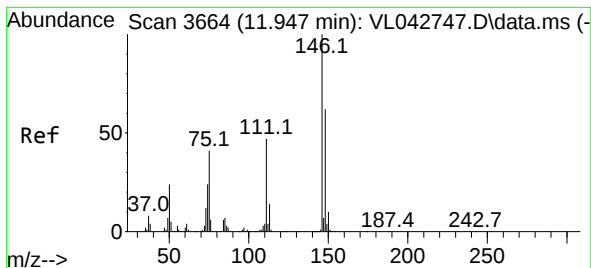
Ion Ratio Lower Upper

146 100

111 43.0 21.4 64.2

148 63.5 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.761 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

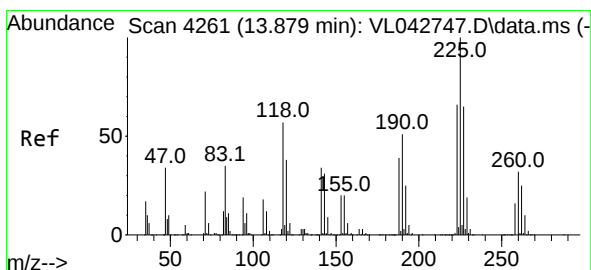
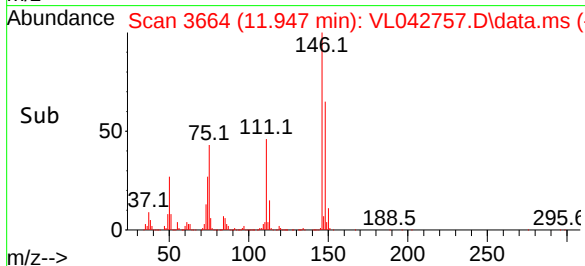
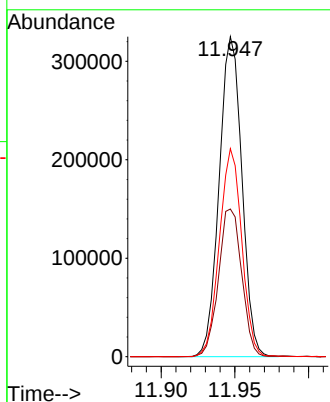
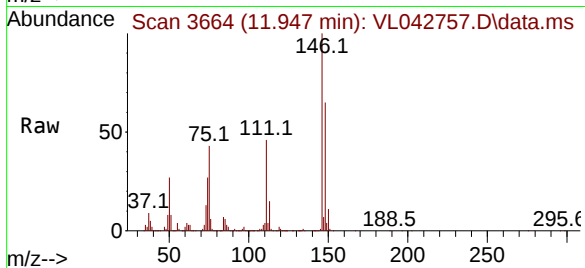
Tgt Ion:146 Resp: 348523

Ion Ratio Lower Upper

146 100

111 47.3 23.7 71.1

148 64.1 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 8.868 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.003 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

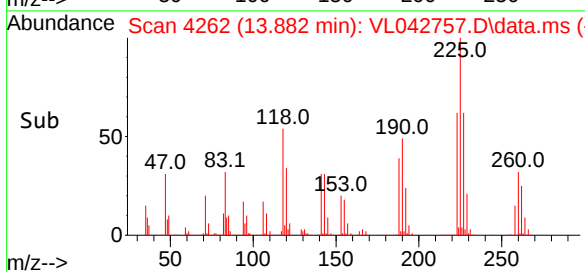
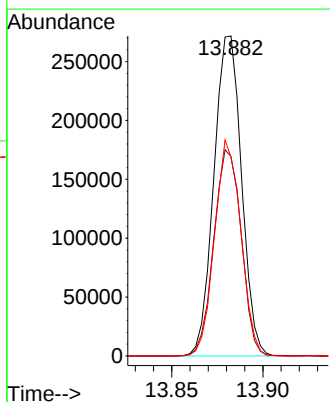
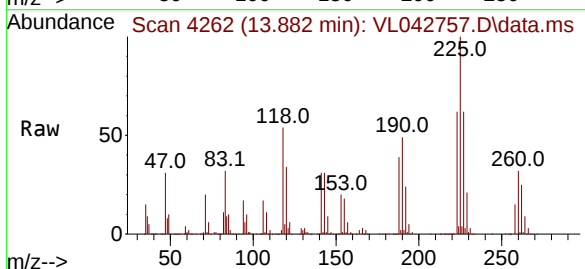
Tgt Ion:225 Resp: 286611

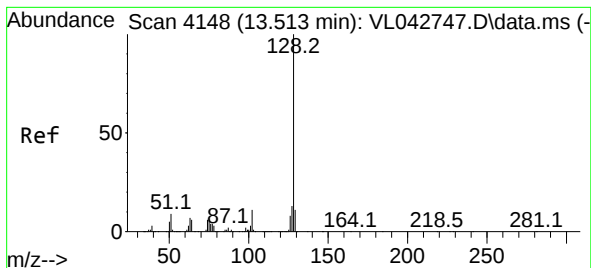
Ion Ratio Lower Upper

225 100

223 63.9 50.7 76.1

227 64.0 50.5 75.7





#79

Naphthalene

Concen: 10.185 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

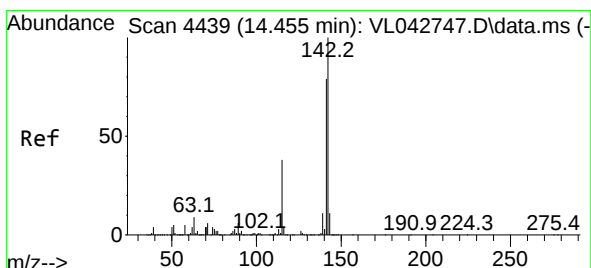
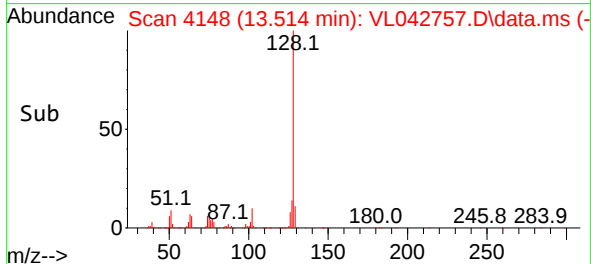
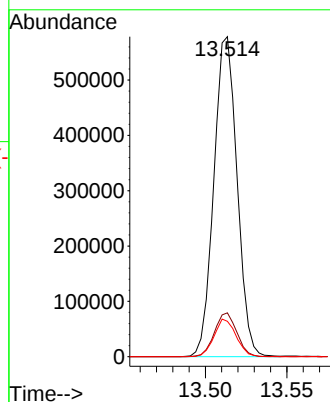
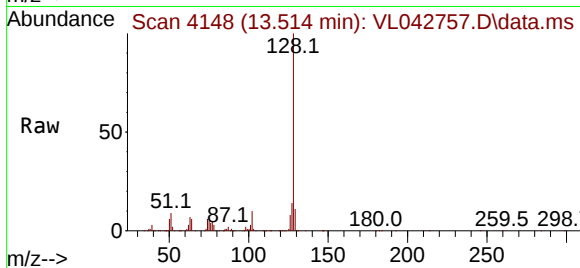
Tgt Ion:128 Resp: 573161

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

129 11.1 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 9.773 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.000 min

Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

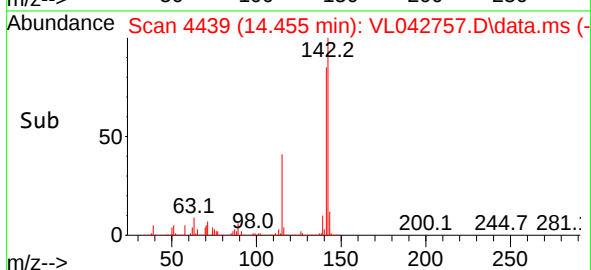
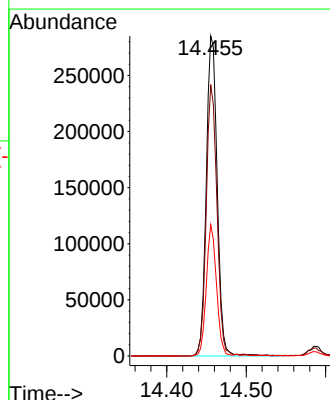
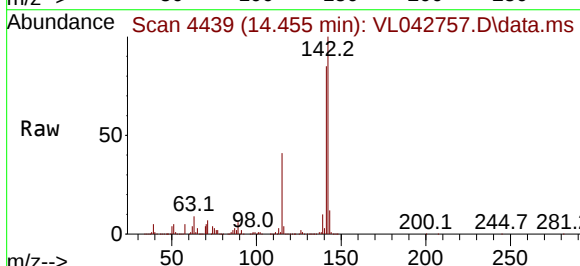
Tgt Ion:142 Resp: 273990

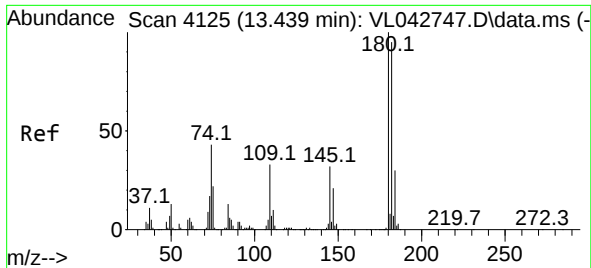
Ion Ratio Lower Upper

142 100

141 83.9 65.8 98.8

115 38.9 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.157 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

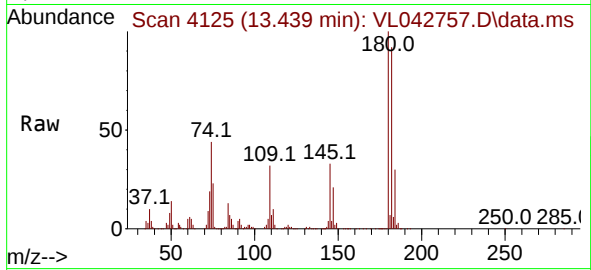
Lab File: VL042757.D

Acq: 24 Jul 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 321227

Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.2

184 30.9 24.8 37.2

