

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042794.D
 Acq On : 31 Jul 2025 13:55
 Operator : SY/MD
 Sample : VL0731ABSD01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABSD01

Quant Time: Aug 01 01:15:48 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	2.790	49	143361	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	385270	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347681	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	285966	10.386	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	183911	9.703	ppbv	98
3) Chlorodifluoromethane	1.476	51	250299	10.137	ppbv	99
4) Chloromethane	1.534	50	70831	9.237	ppbv	97
5) Vinyl Chloride	1.580	62	63417	8.370	ppbv	98
6) Bromomethane	1.670	94	26564	9.069	ppbv	92
7) Chloroethane	1.706	64	25813	8.818	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	145635	9.343	ppbv	99
9) Propene	1.482	41	67742	7.549	ppbv	90
10) Heptane	4.988	43	256581	10.604	ppbv	98
11) Trichlorofluoromethane	1.877	101	175951	9.005	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139531	9.398	ppbv	99
13) Ethanol	1.722	45	6169	8.289	ppbv	96
14) Bromoethene	1.783	108	47516	9.039	ppbv	97
15) Acetone	1.835	43	145544	7.352	ppbv	99
16) 1,3-Butadiene	1.609	39	75425	8.933	ppbv	100
17) tert-Butyl alcohol	2.042	59	157530	8.823	ppbv	99
18) 1,1-Dichloroethene	2.036	96	59735	8.904	ppbv	92
19) Isopropyl Alcohol	1.887	45	89890	8.545	ppbv	94
20) Methylene Chloride	2.062	84	53184	8.525	ppbv	92
21) Allyl Chloride	2.097	41	113975	9.342	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	66660	9.237	ppbv	90
23) Vinyl Acetate	2.463	43	267217	11.134	ppbv	99
24) 1,1-Dichloroethane	2.411	63	136610	9.222	ppbv	99
25) Ethyl Acetate	2.839	43	450028	10.270	ppbv	99
26) Hexane	2.829	57	193724	10.078	ppbv	98
27) Carbon Disulfide	2.152	76	164945	10.023	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	81968	9.026	ppbv	99
29) Chloroform	2.852	83	302251	10.176	ppbv	100
30) Cyclohexane	3.865	84	158206	9.705	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	189601	9.599	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	297175	9.605	ppbv	98
34) 2-Butanone	2.560	43	293015	10.737	ppbv	100
35) Carbon Tetrachloride	3.768	117	315193	11.014	ppbv	97
36) Benzene	3.661	78	389839	10.677	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236593	10.756	ppbv	100
38) Trichloroethene	4.557	130	174966	9.974	ppbv	97
39) 1,2-Dichloropropane	4.318	63	144769	10.741	ppbv	99
40) 1,4-Dioxane	4.590	88	61985	9.866	ppbv #	97
41) Tetrahydrofuran	3.059	42	157948	11.374	ppbv	97
42) Bromodichloromethane	4.496	83	324724	11.336	ppbv	98
43) Methyl Methacrylate	4.887	69	147145	11.338	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	673176	11.311	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	159751	10.976	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042794.D
 Acq On : 31 Jul 2025 13:55
 Operator : SY/MD
 Sample : VL0731ABSD01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

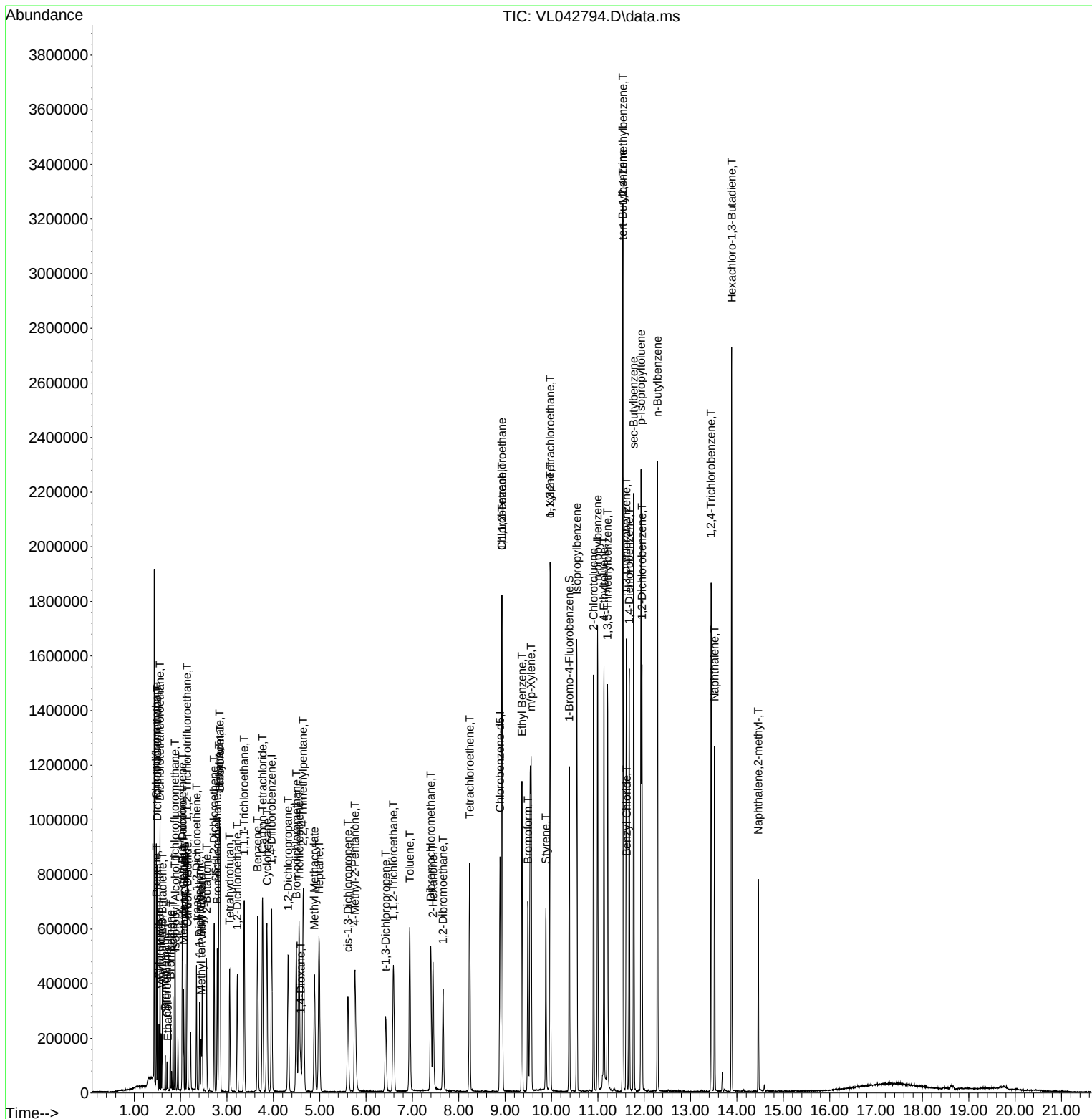
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABSD01

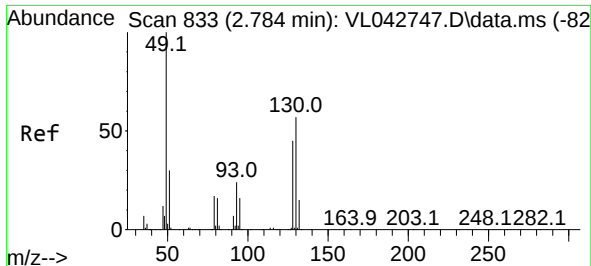
Quant Time: Aug 01 01:15:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	205816	11.160	ppbv	97
47) 1,1,2-Trichloroethane	6.590	97	156216	10.873	ppbv	98
48) Dibromochloromethane	7.396	129	262522	11.510	ppbv	99
49) Bromoform	9.493	173	234893	11.811	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	403132	11.467	ppbv	98
51) 2-Hexanone	7.441	43	322822	12.152	ppbv #	98
52) Tetrachloroethene	8.234	164	144051	9.518	ppbv	94
53) Toluene	6.943	91	436601	11.135	ppbv	99
54) 1,2-Dibromoethane	7.661	107	226779	11.172	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	199484	11.035	ppbv	99
57) Chlorobenzene	8.930	112	353946	10.519	ppbv	97
58) Ethyl Benzene	9.364	91	615615	11.212	ppbv	100
59) m/p-Xylene	9.558	91	510911	11.643	ppbv #	30
60) o-Xylene	9.969	91	509306	11.615	ppbv	99
61) Styrene	9.878	104	217878	11.813	ppbv	99
62) Isopropylbenzene	10.545	105	731077	11.304	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	290577	10.323	ppbv	99
64) n-propylbenzene	10.995	120	196210	11.637	ppbv	100
65) tert-Butylbenzene	11.535	119	656497	11.427	ppbv	99
66) Benzyl Chloride	11.623	91	64301	13.634	ppbv	99
67) sec-Butylbenzene	11.772	105	929357	11.374	ppbv	100
69) p-Isopropyltoluene	11.930	119	783925	11.766	ppbv	100
70) n-Butylbenzene	12.286	91	802758	12.474	ppbv	99
71) 2-Chlorotoluene	10.908	91	560672	11.306	ppbv	99
72) 4-Ethyltoluene	11.131	105	622768	11.893	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	522269	12.114	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	576097	12.248	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	370097	11.224	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	365448	11.326	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	357874	11.043	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	289316	9.863	ppbv	99
79) Naphthalene	13.516	128	552592	10.791	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	210490	8.445	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	310917	10.803	ppbv	99

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

Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

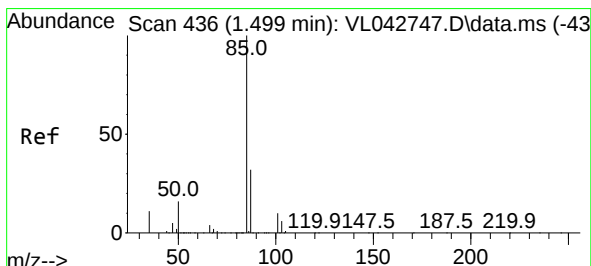
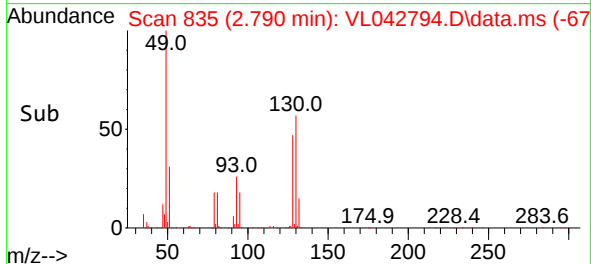
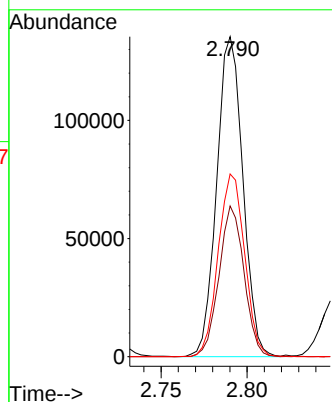
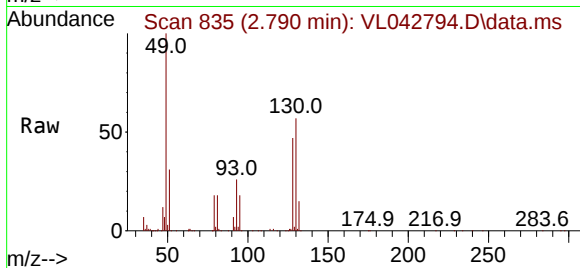




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

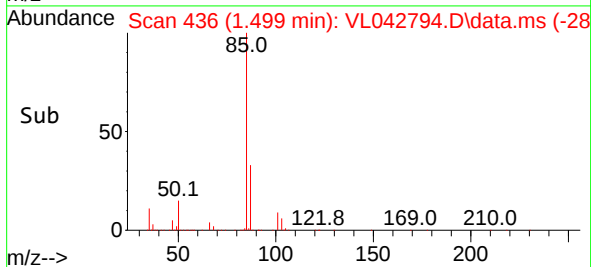
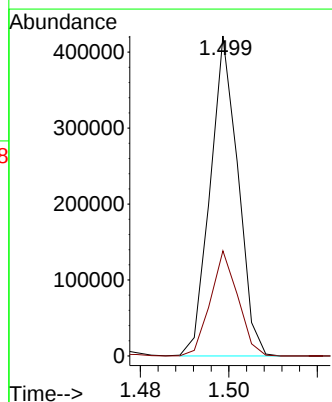
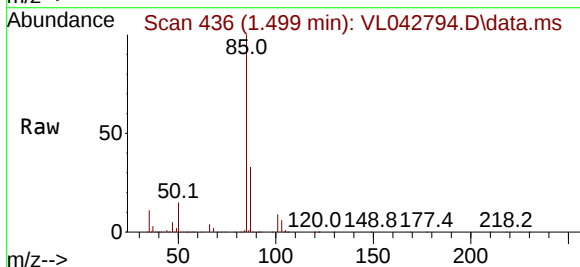
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABSD01

Tgt Ion: 49 Resp: 143361
 Ion Ratio Lower Upper
 49 100
 128 45.1 23.6 71.0
 130 57.8 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 9.703 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 85 Resp: 183911
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.4 38.2

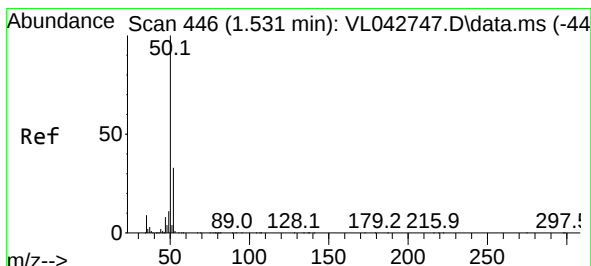
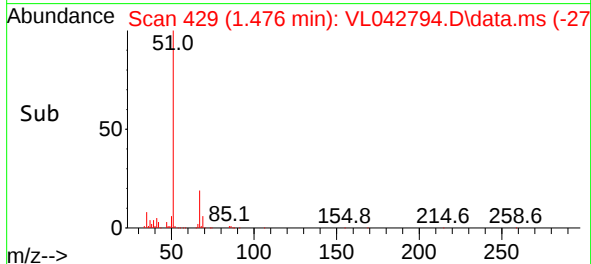
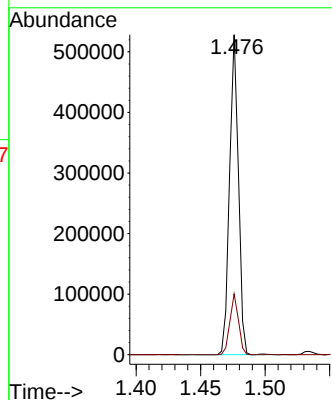
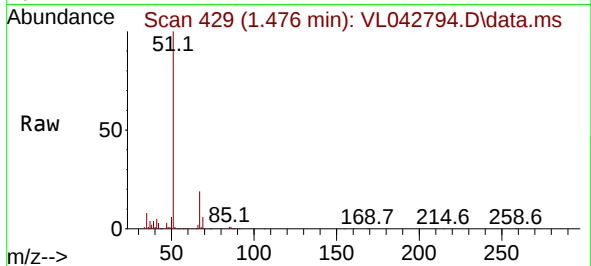




#3
Chlorodifluoromethane
Concen: 10.137 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

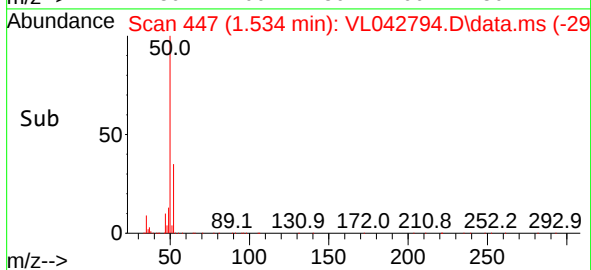
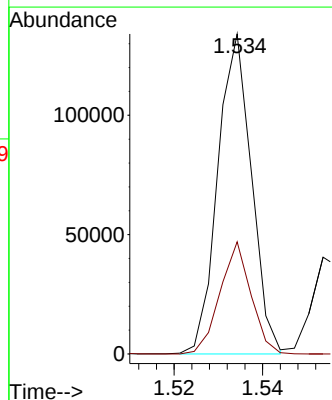
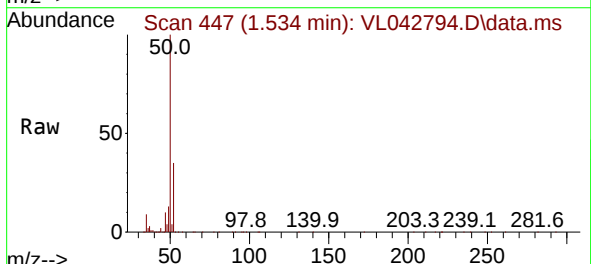
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

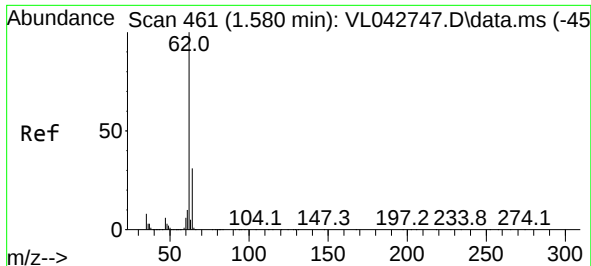
Tgt Ion: 51 Resp: 250299
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.6



#4
Chloromethane
Concen: 9.237 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 50 Resp: 70831
Ion Ratio Lower Upper
50 100
52 35.1 26.6 40.0

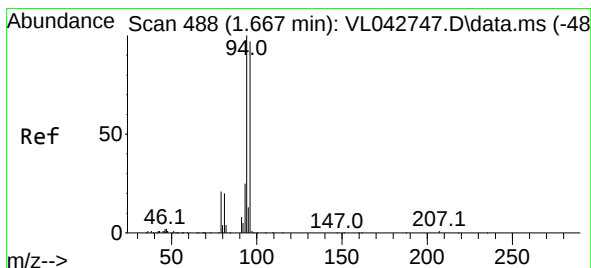
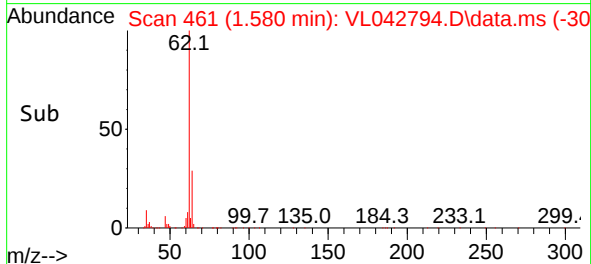
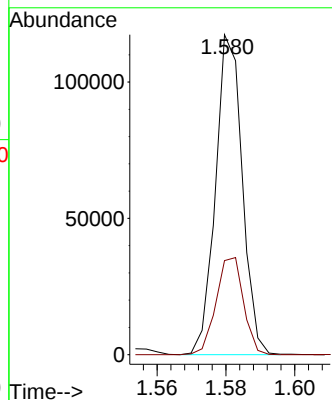
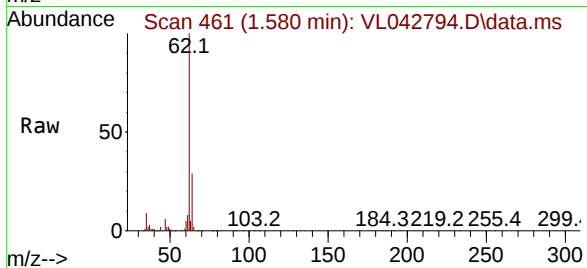




#5
 Vinyl Chloride
 Concen: 8.370 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

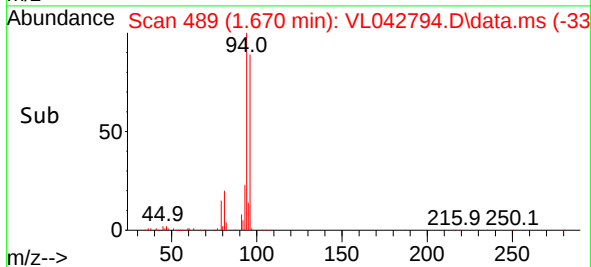
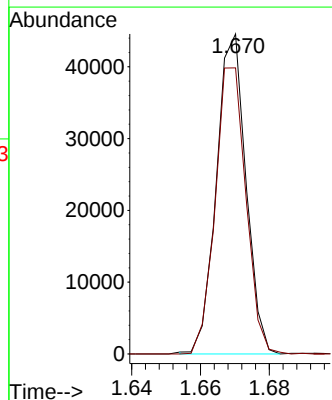
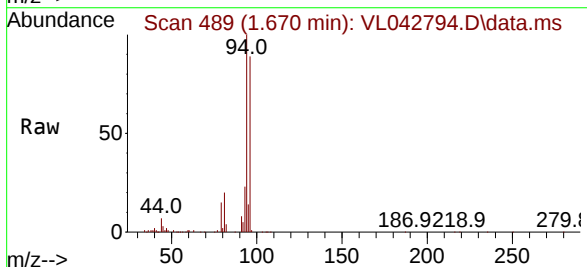
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABSD01

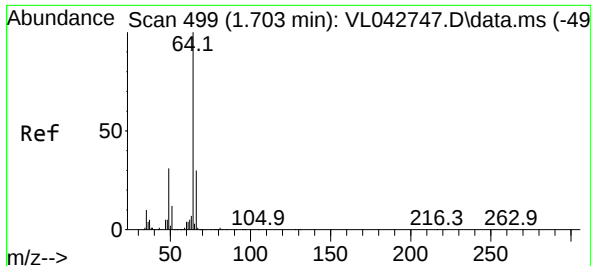
Tgt Ion: 62 Resp: 63417
 Ion Ratio Lower Upper
 62 100
 64 29.4 24.5 36.7



#6
 Bromomethane
 Concen: 9.069 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 94 Resp: 26564
 Ion Ratio Lower Upper
 94 100
 96 89.4 77.6 116.4

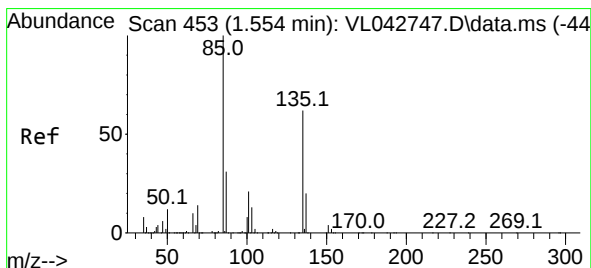
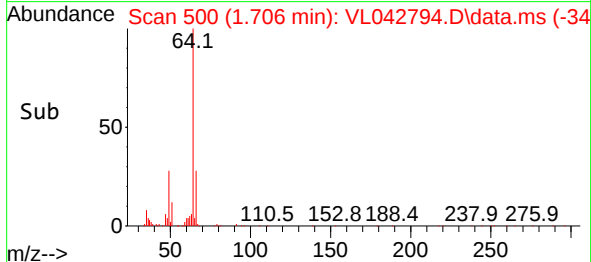
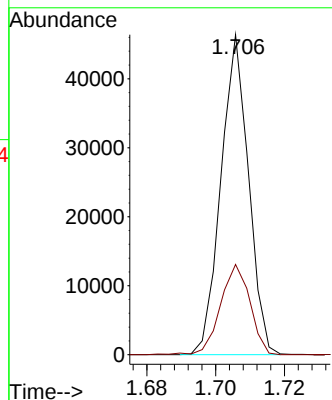
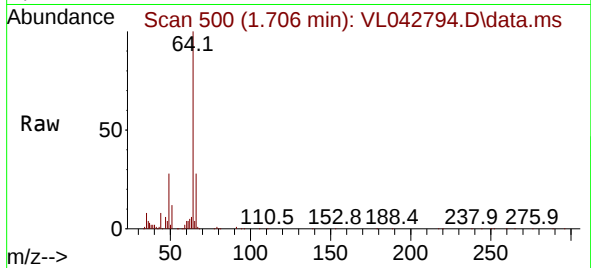




#7
Chloroethane
Concen: 8.818 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

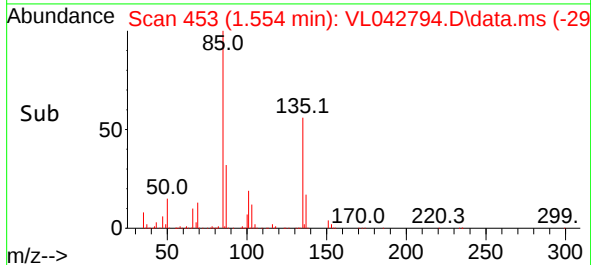
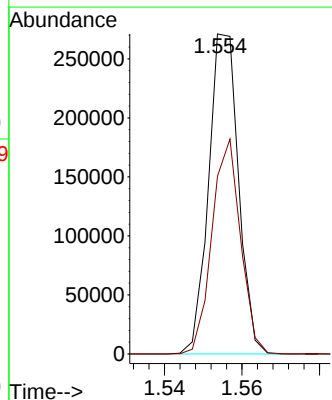
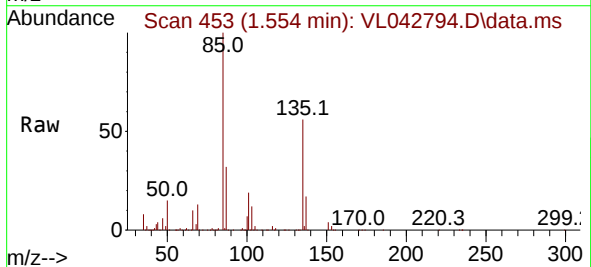
Instrument :
MSVOA_1
ClientSampleId :
VL0731ABSD01

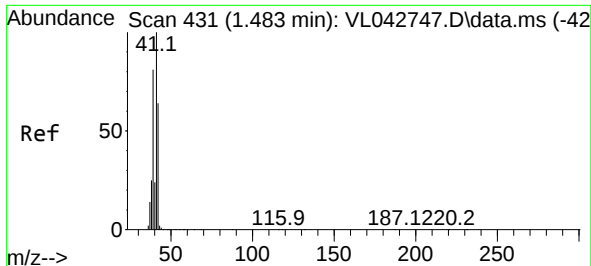
Tgt Ion: 64 Resp: 25813
Ion Ratio Lower Upper
64 100
66 28.2 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 9.343 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 85 Resp: 145635
Ion Ratio Lower Upper
85 100
135 64.1 50.6 76.0





#9

Propene

Concen: 7.549 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

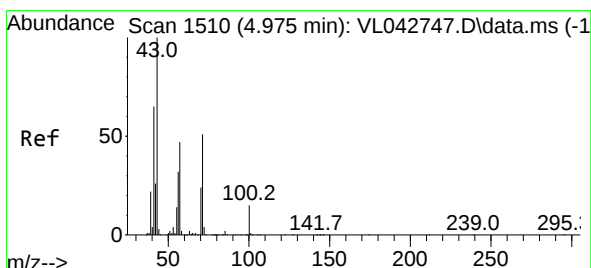
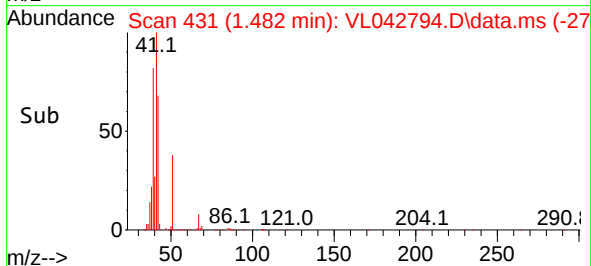
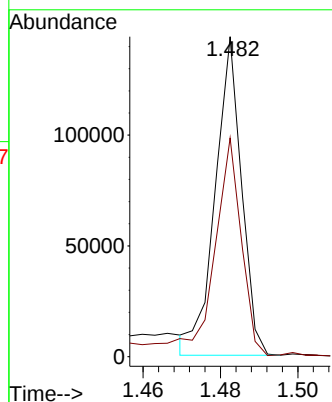
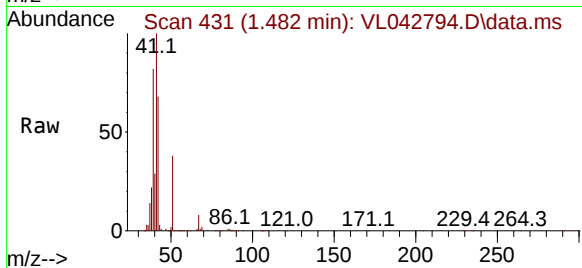
VL0731ABSD01

Tgt Ion: 41 Resp: 67742

Ion Ratio Lower Upper

41 100

42 74.8 53.2 79.8



#10

Heptane

Concen: 10.604 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.013 min

Lab File: VL042794.D

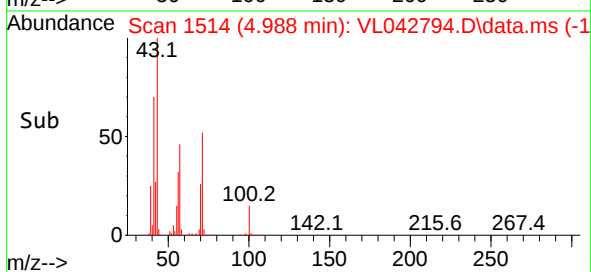
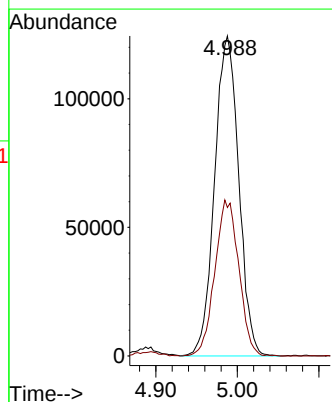
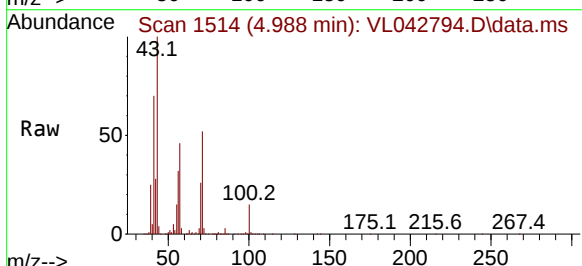
Acq: 31 Jul 2025 13:55

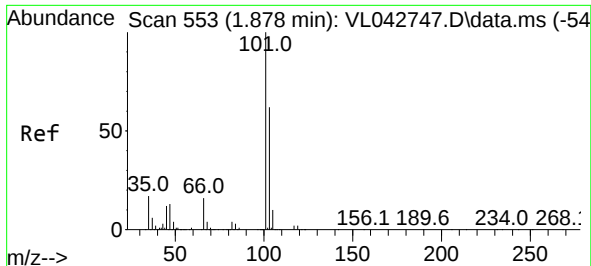
Tgt Ion: 43 Resp: 256581

Ion Ratio Lower Upper

43 100

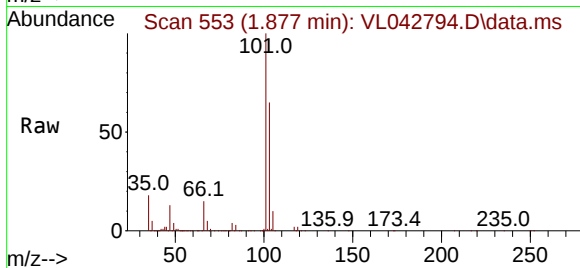
57 48.4 39.9 59.9



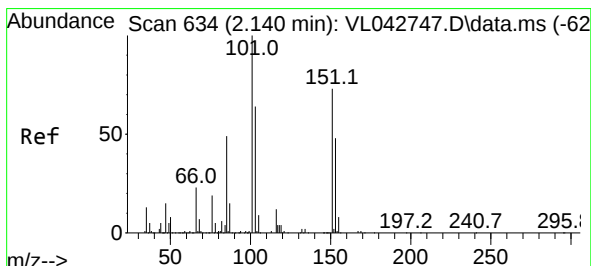
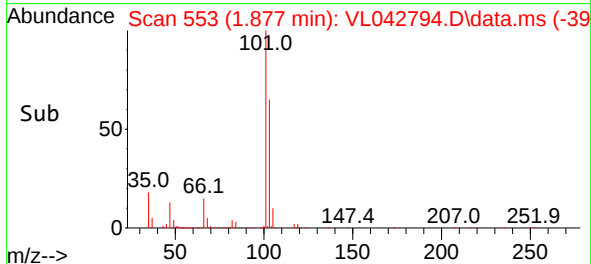
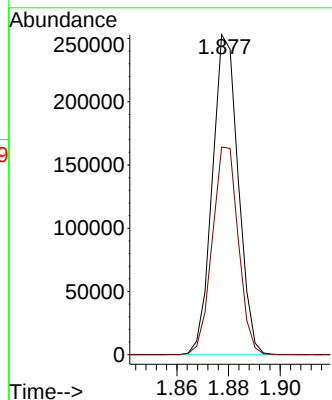


#11
Trichlorofluoromethane
Concen: 9.005 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

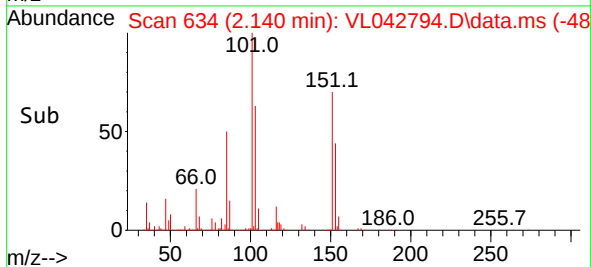
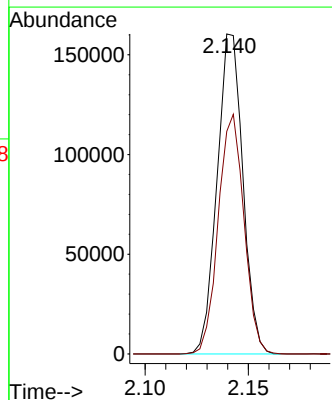
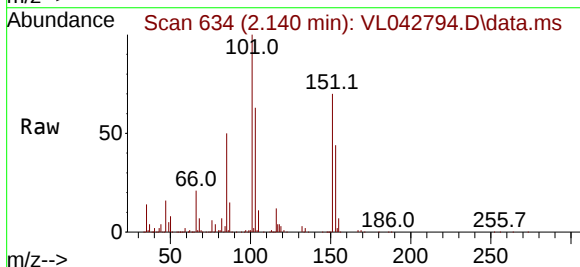


Tgt Ion:101 Resp: 175951
Ion Ratio Lower Upper
101 100
103 64.9 49.6 74.4



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.398 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:101 Resp: 139531
Ion Ratio Lower Upper
101 100
151 74.5 60.5 90.7





#13

Ethanol

Concen: 8.289 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

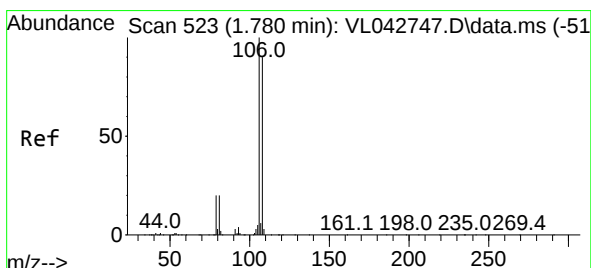
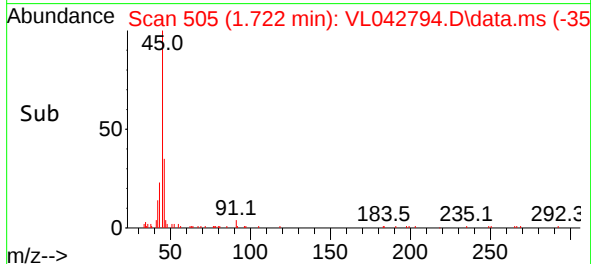
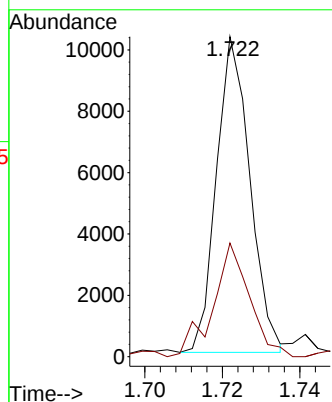
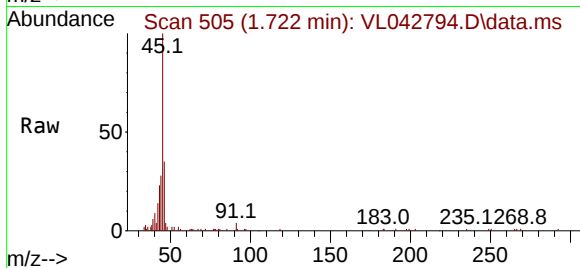
VL0731ABSD01

Tgt Ion: 45 Resp: 6169

Ion Ratio Lower Upper

45 100

46 42.1 17.8 71.4



#14

Bromoethene

Concen: 9.039 ppbv

RT: 1.783 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

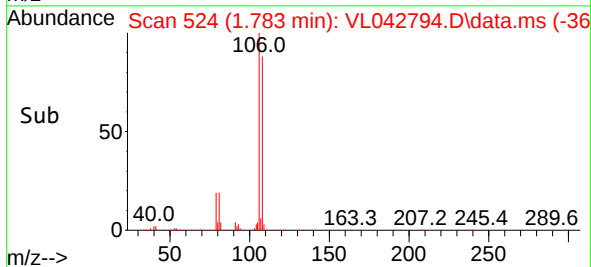
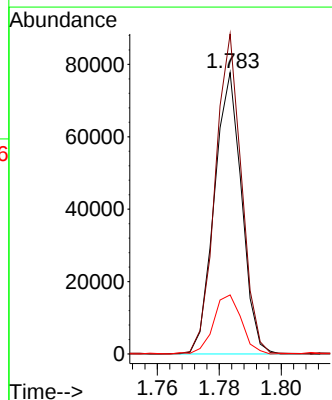
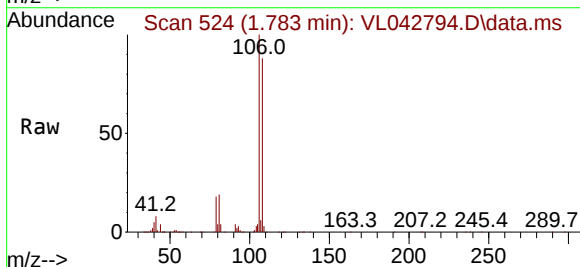
Tgt Ion: 108 Resp: 47516

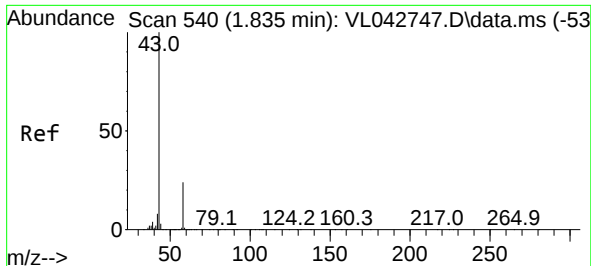
Ion Ratio Lower Upper

108 100

106 109.8 84.7 127.1

79 22.7 17.4 26.2

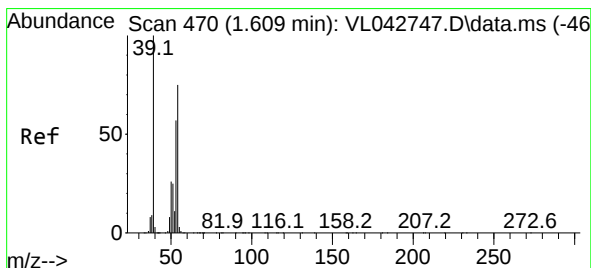
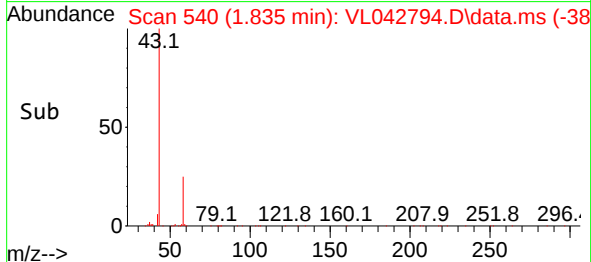
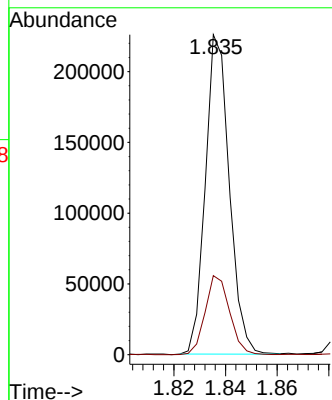
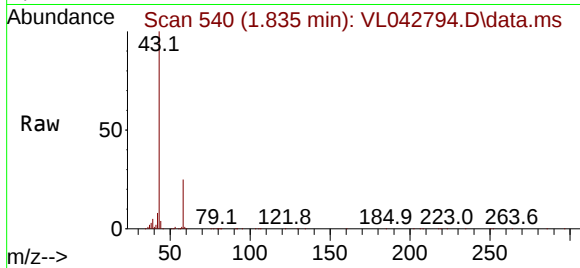




#15
Acetone
Concen: 7.352 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

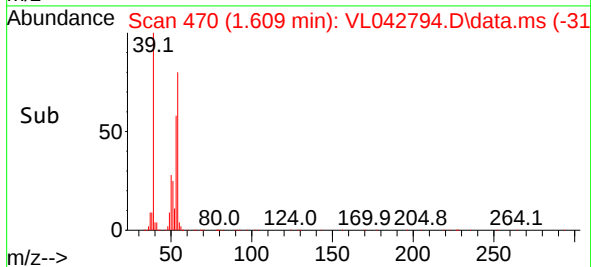
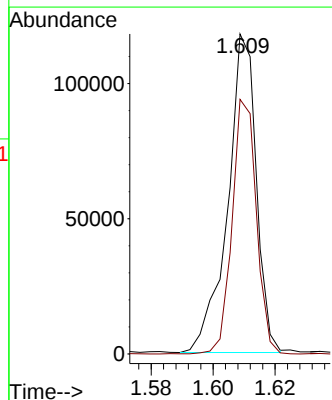
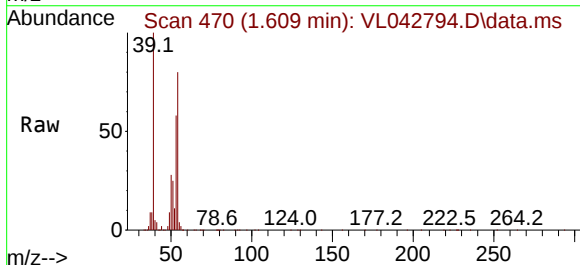
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

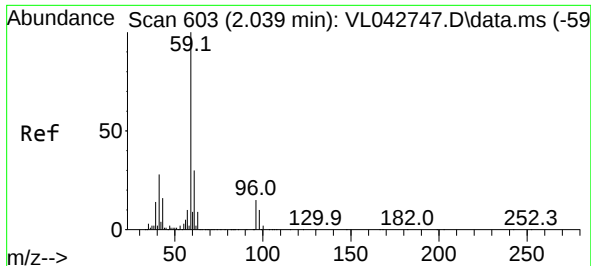
Tgt Ion: 43 Resp: 145544
Ion Ratio Lower Upper
43 100
58 25.4 19.8 29.8



#16
1,3-Butadiene
Concen: 8.933 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 39 Resp: 75425
Ion Ratio Lower Upper
39 100
54 68.1 54.5 81.7





#17

tert-Butyl alcohol

Concen: 8.823 ppbv

RT: 2.042 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_1

ClientSampleId :

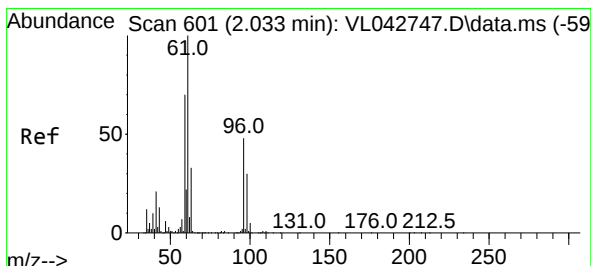
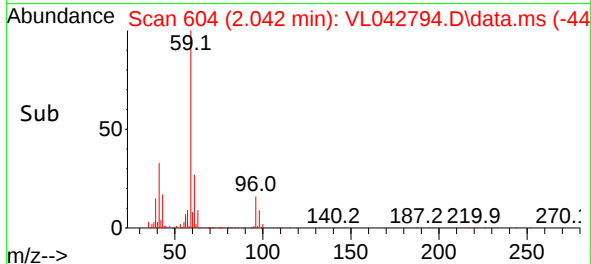
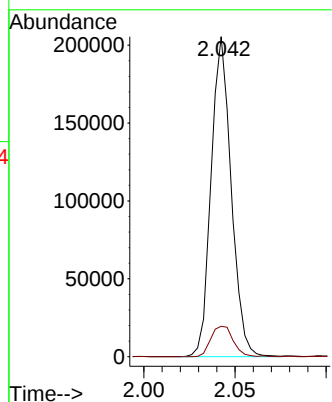
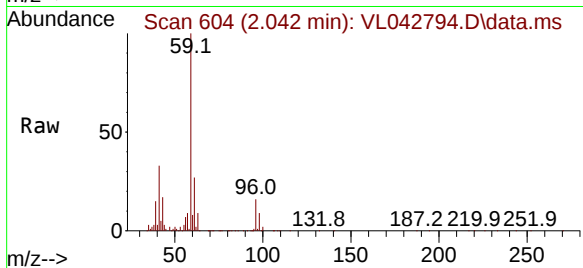
VL0731ABSD01

Tgt Ion: 59 Resp: 157530

Ion Ratio Lower Upper

59 100

57 10.7 8.3 12.5



#18

1,1-Dichloroethene

Concen: 8.904 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

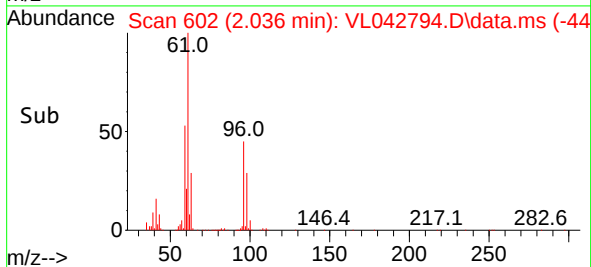
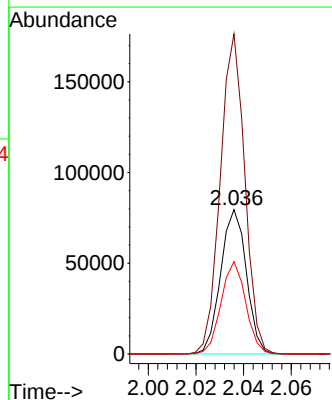
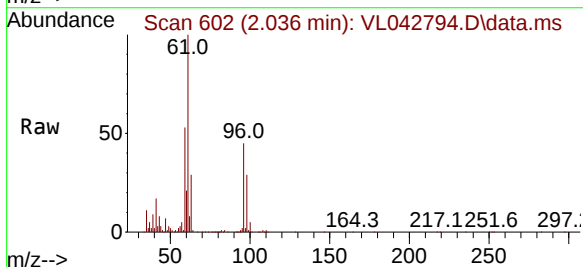
Tgt Ion: 96 Resp: 59735

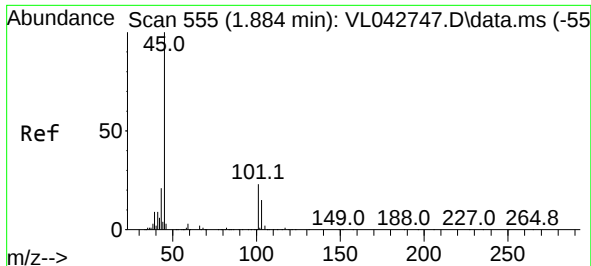
Ion Ratio Lower Upper

96 100

61 221.7 165.8 248.6

98 64.0 49.9 74.9

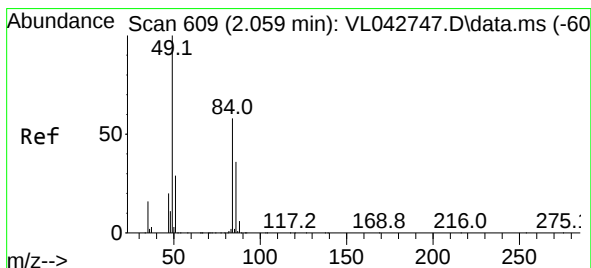
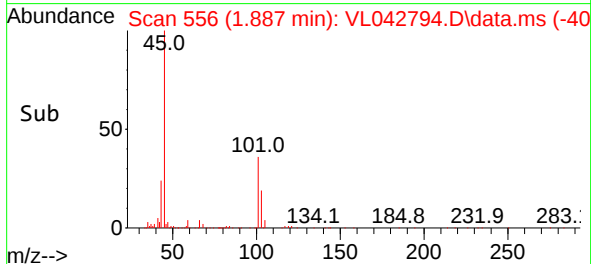
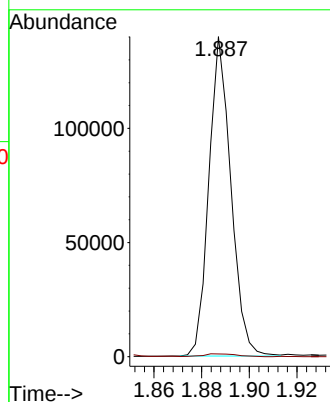
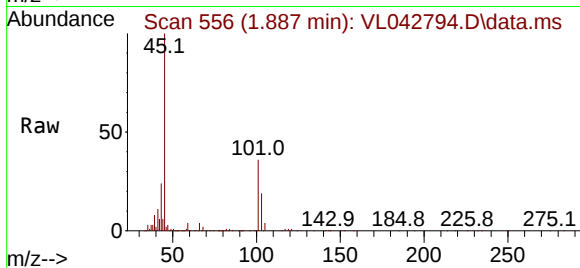




#19
Isopropyl Alcohol
Concen: 8.545 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

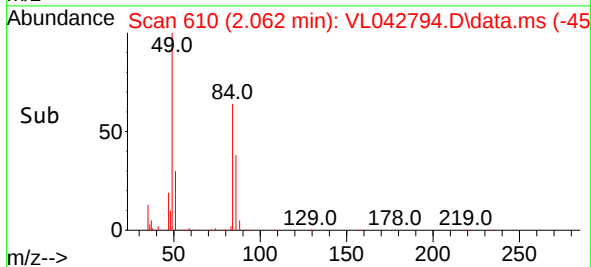
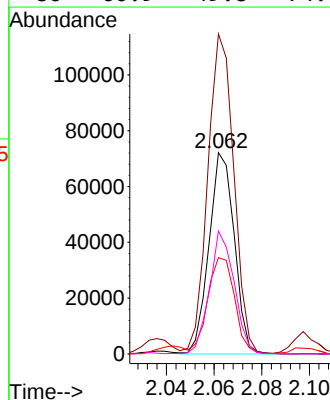
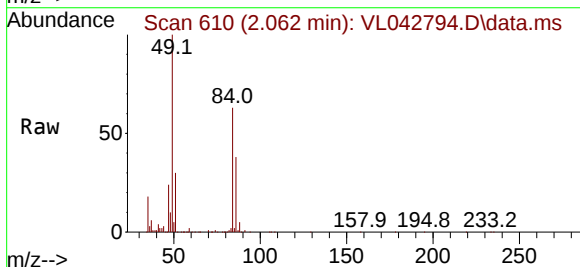
Instrument :
MSVOA_1
ClientSampleId :
VL0731ABSD01

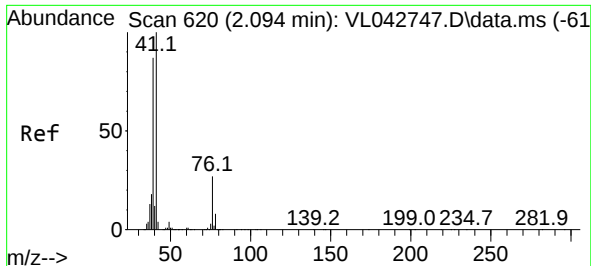
Tgt Ion: 45 Resp: 89890
Ion Ratio Lower Upper
45 100
58 41.1 30.0 45.0



#20
Methylene Chloride
Concen: 8.525 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 84 Resp: 53184
Ion Ratio Lower Upper
84 100
49 158.0 138.6 208.0
51 47.4 40.6 61.0
86 60.9 49.8 74.8

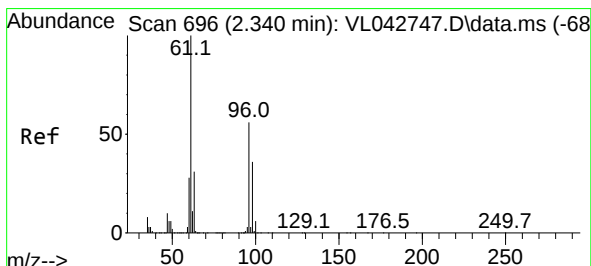
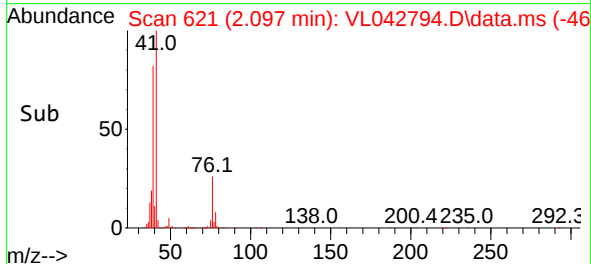
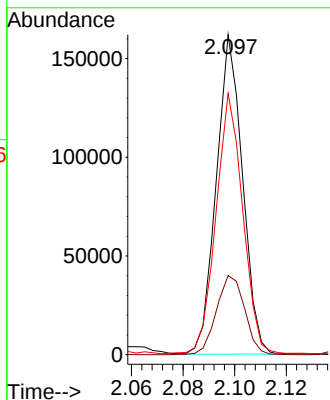
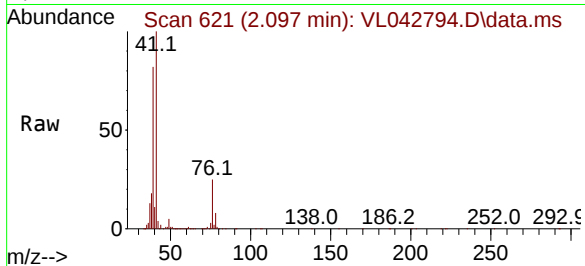




#21
 Allyl Chloride
 Concen: 9.342 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

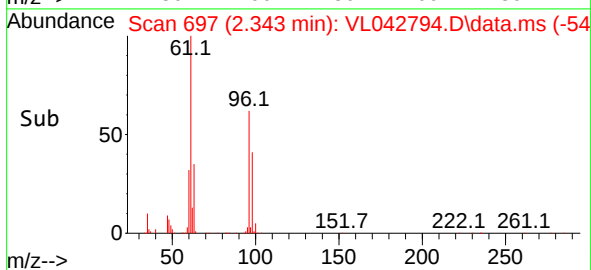
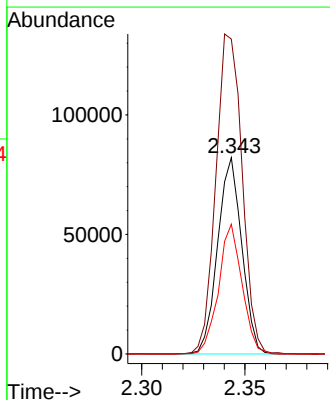
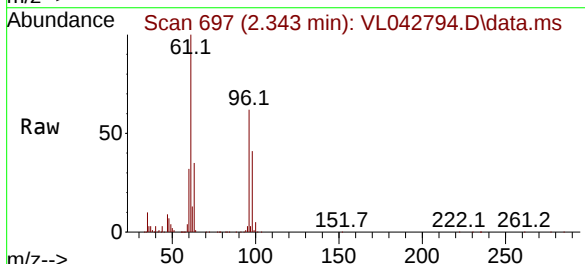
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABSD01

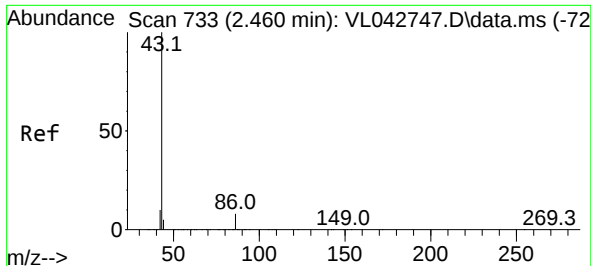
Tgt Ion: 41 Resp: 113975
 Ion Ratio Lower Upper
 41 100
 76 26.6 21.1 31.7
 39 83.0 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.237 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 96 Resp: 66660
 Ion Ratio Lower Upper
 96 100
 61 160.3 142.3 213.5
 98 66.1 50.6 76.0



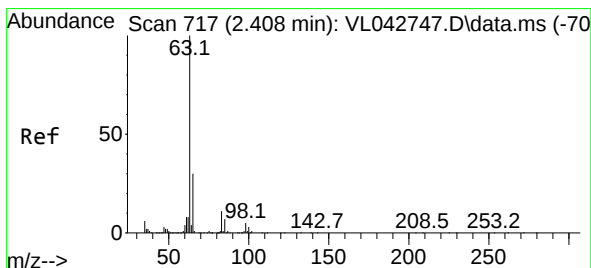
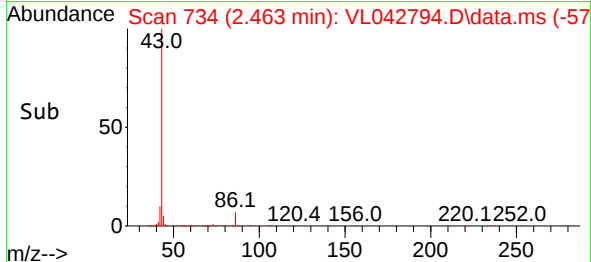
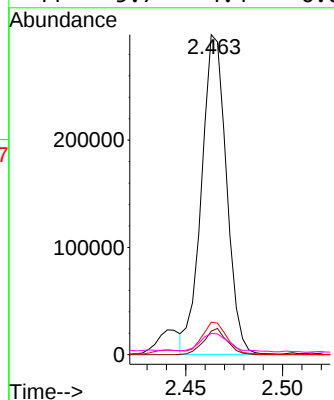
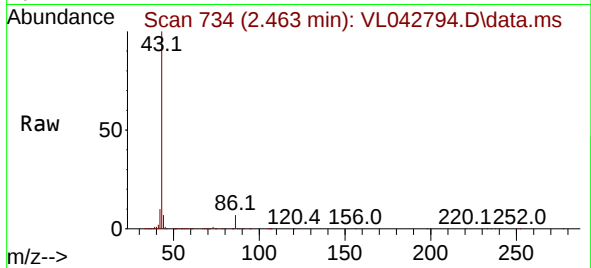


#23
 Vinyl Acetate
 Concen: 11.134 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABSD01

Tgt Ion: 43 Resp: 267217

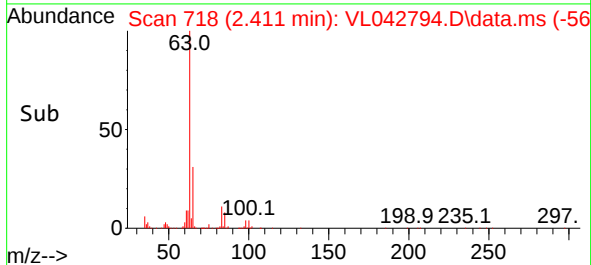
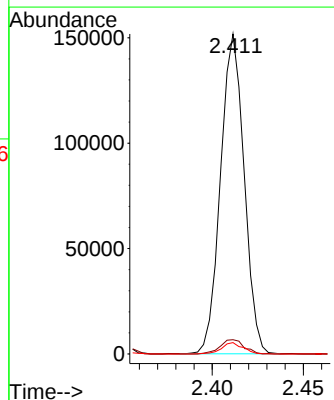
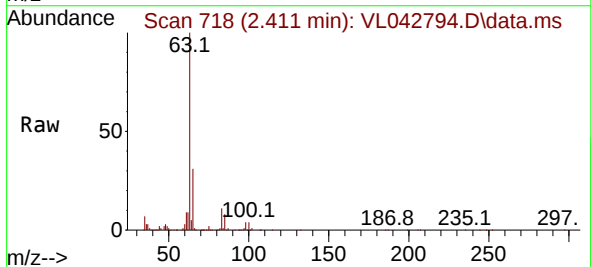
Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.1	9.1
42	10.0	7.8	11.8
44	5.7	4.4	6.6

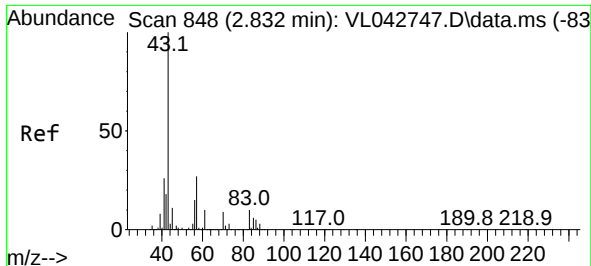


#24
 1,1-Dichloroethane
 Concen: 9.222 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 63 Resp: 136610

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.5	7.4
100	3.6	1.6	4.8

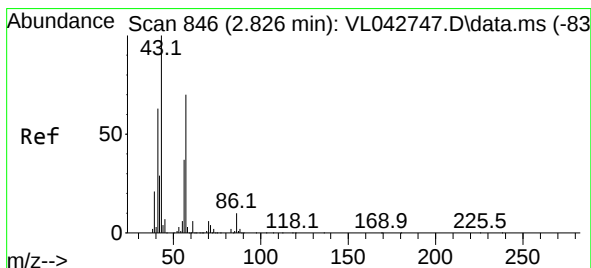
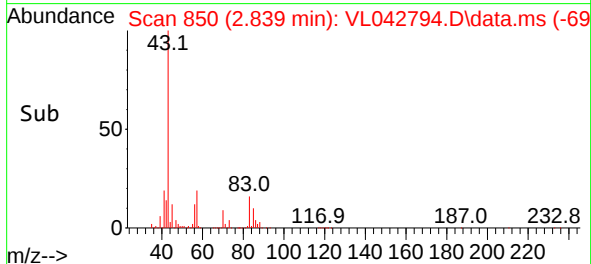
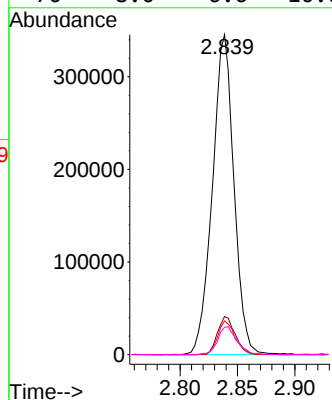
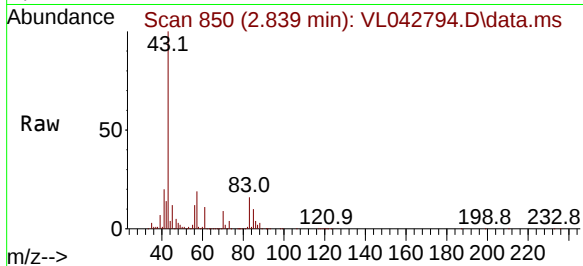




#25
Ethyl Acetate
Concen: 10.270 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

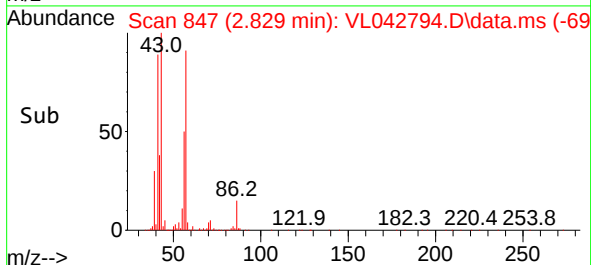
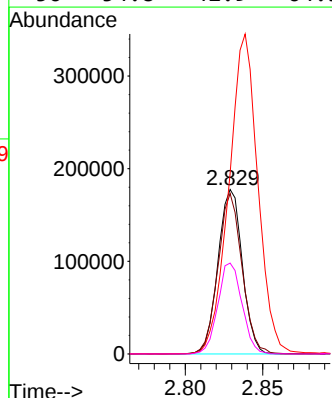
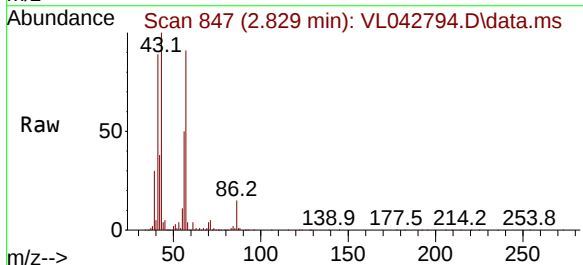
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

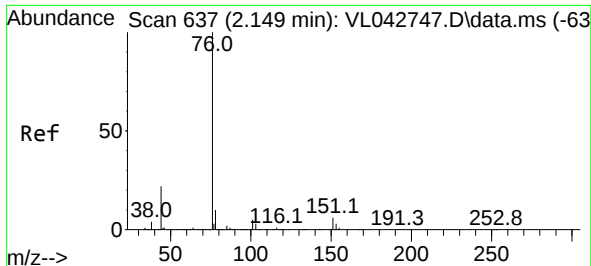
Tgt Ion: 43	Resp: 450028
Ion Ratio	Lower Upper
43 100	
45 9.9	7.8 11.6
61 8.6	6.7 10.1
70 8.0	6.6 10.0



#26
Hexane
Concen: 10.078 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 57	Resp: 193724
Ion Ratio	Lower Upper
57 100	
41 96.9	75.4 113.2
43 233.0	185.0 277.6
56 54.8	42.9 64.3





#27

Carbon Disulfide

Concen: 10.023 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01

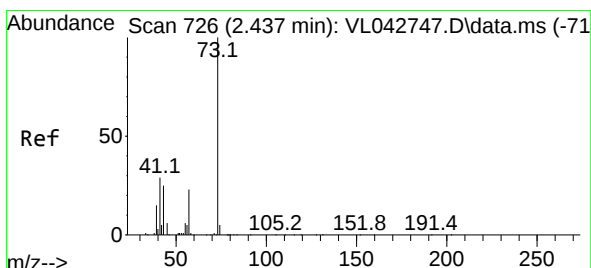
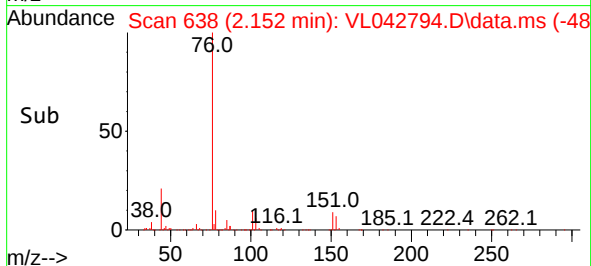
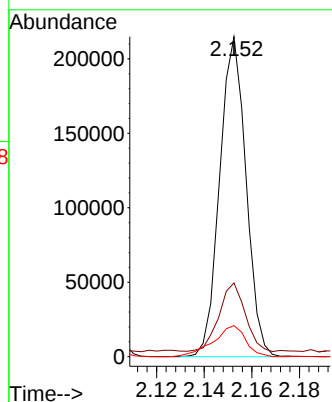
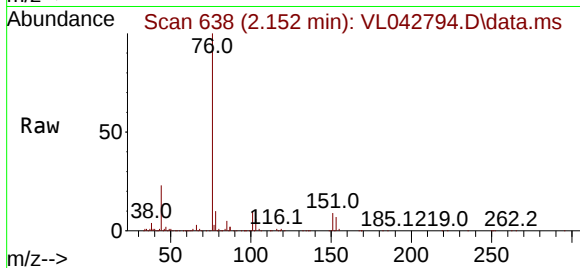
Tgt Ion: 76 Resp: 164945

Ion Ratio Lower Upper

76 100

44 26.1 19.3 28.9

78 12.0 9.9 14.9



#28

Methyl tert-Butyl Ether

Concen: 9.026 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL042794.D

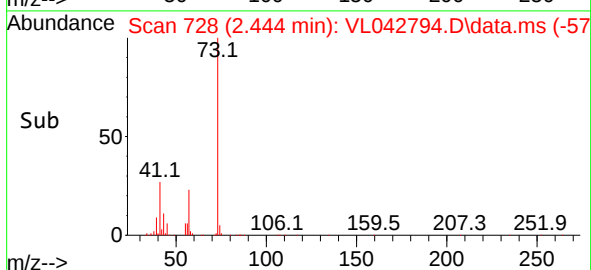
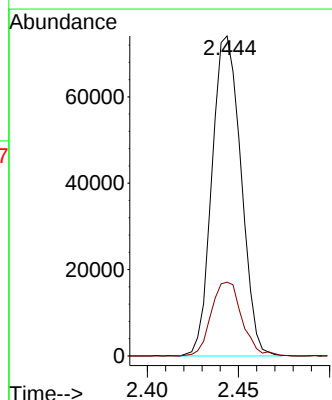
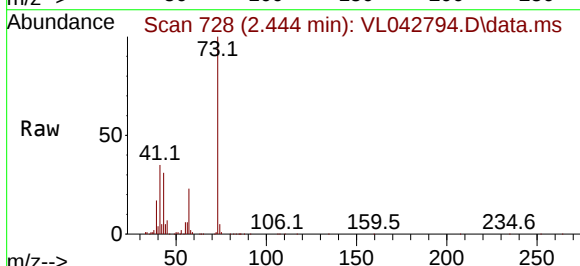
Acq: 31 Jul 2025 13:55

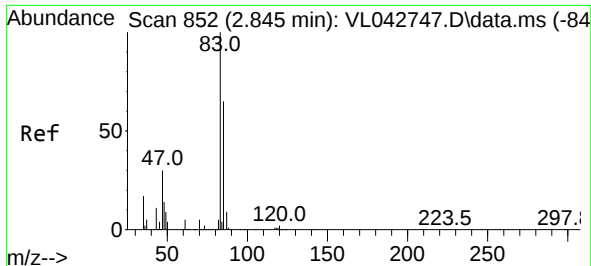
Tgt Ion: 73 Resp: 81968

Ion Ratio Lower Upper

73 100

57 24.4 19.8 29.8





#29

Chloroform

Concen: 10.176 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

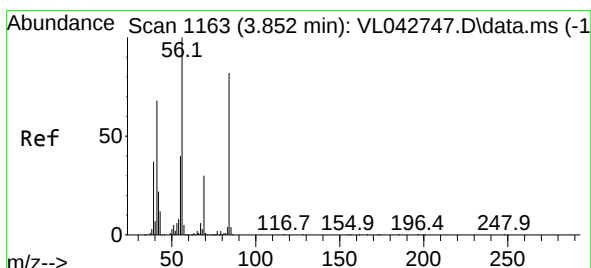
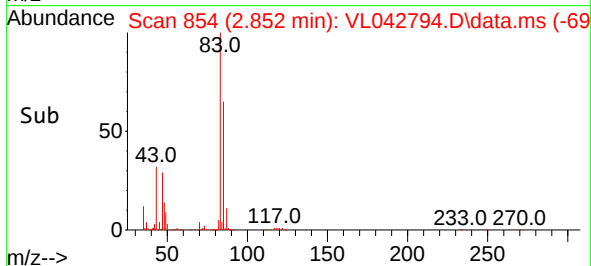
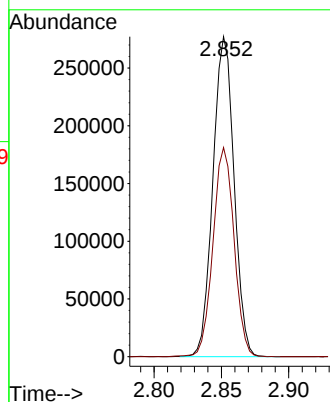
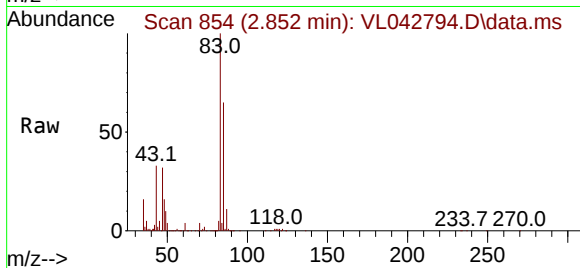
VL0731ABSD01

Tgt Ion: 83 Resp: 302251

Ion Ratio Lower Upper

83 100

85 65.4 52.2 78.2



#30

Cyclohexane

Concen: 9.705 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

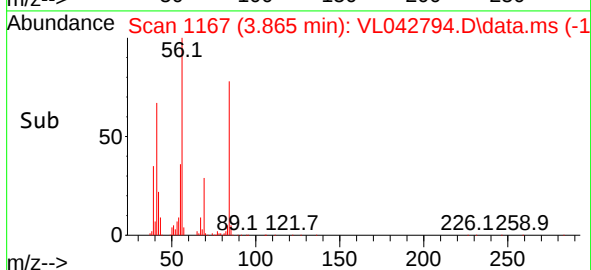
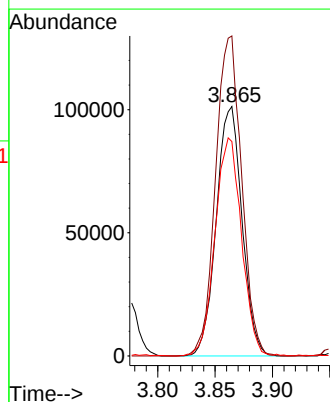
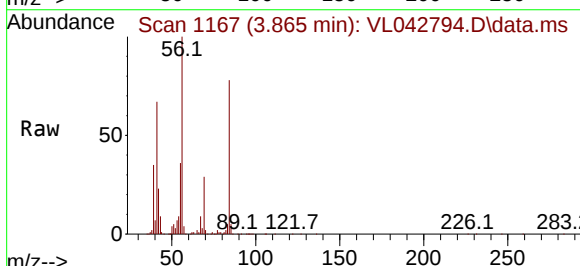
Tgt Ion: 84 Resp: 158206

Ion Ratio Lower Upper

84 100

56 129.8 97.5 146.3

41 90.1 67.2 100.8

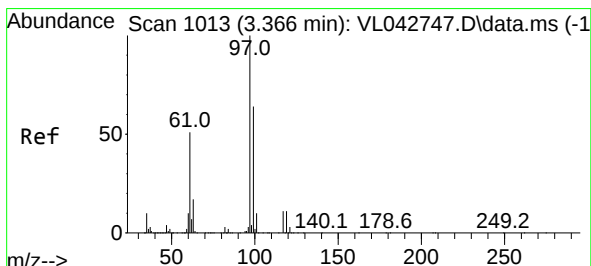
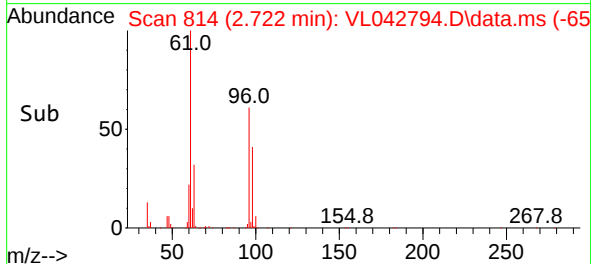
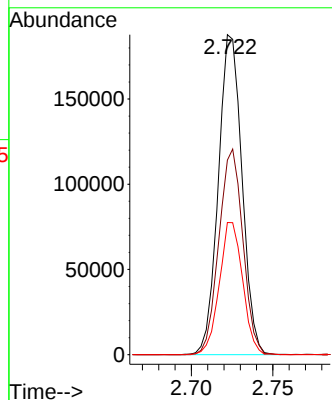
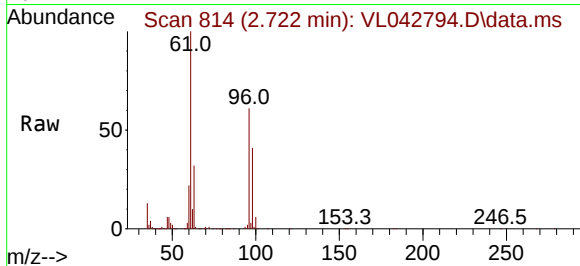




#31
 cis-1,2-Dichloroethene
 Concen: 9.599 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

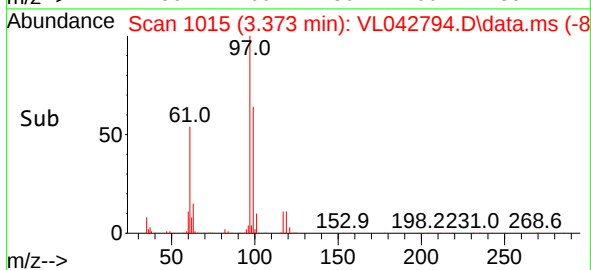
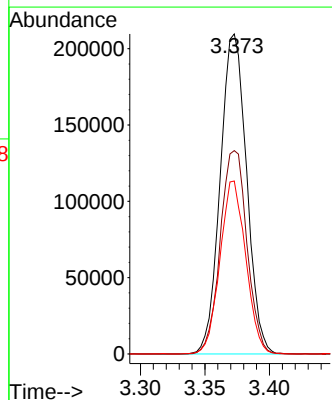
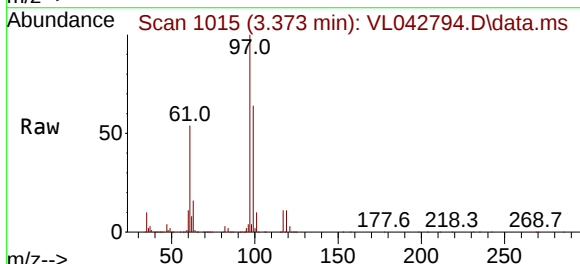
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABSD01

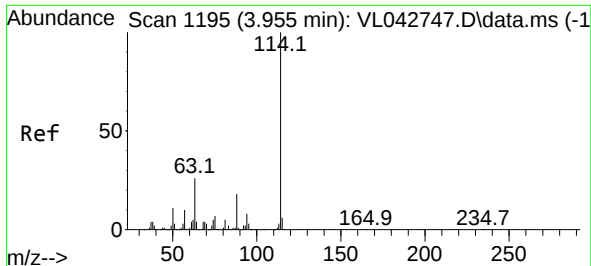
Tgt Ion: 61 Resp: 189601
 Ion Ratio Lower Upper
 61 100
 96 60.8 53.5 80.3
 98 41.3 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.605 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.006 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 97 Resp: 297175
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.6
 61 53.0 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01

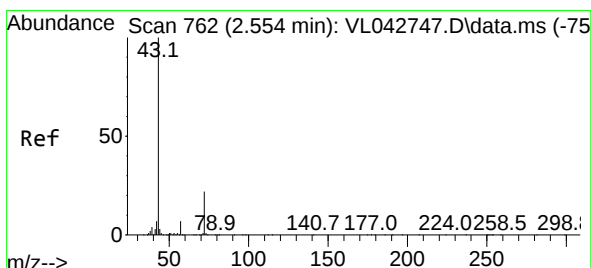
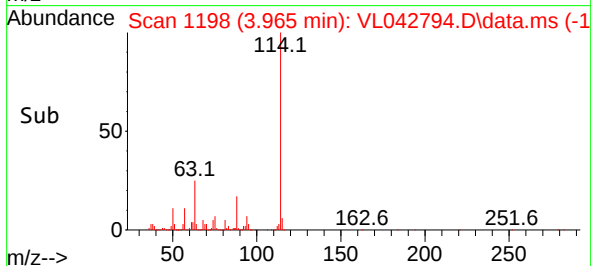
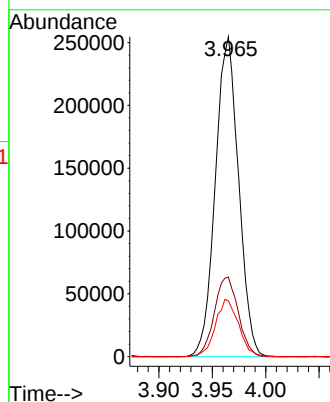
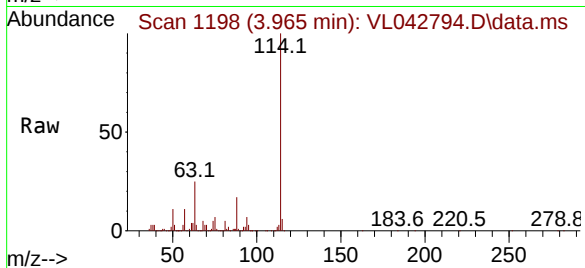
Tgt Ion:114 Resp: 385270

Ion Ratio Lower Upper

114 100

63 25.8 20.5 30.7

88 17.8 14.0 21.0



#34

2-Butanone

Concen: 10.737 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL042794.D

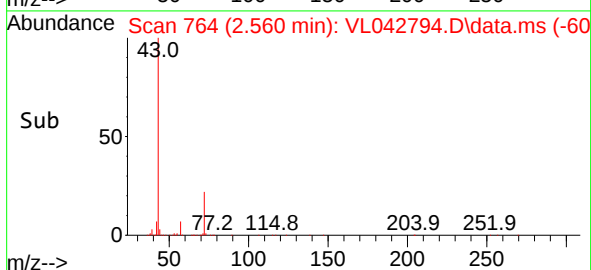
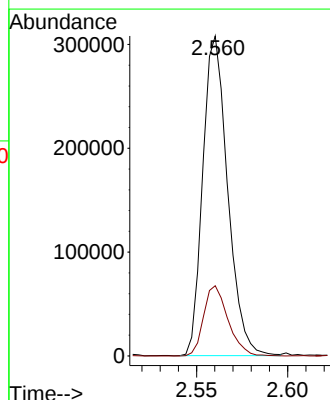
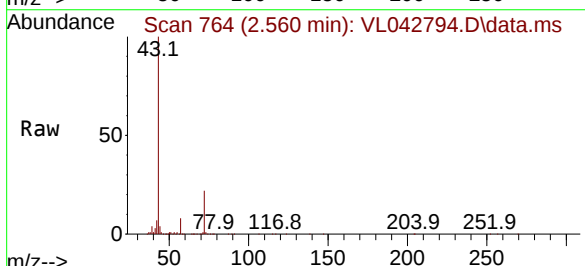
Acq: 31 Jul 2025 13:55

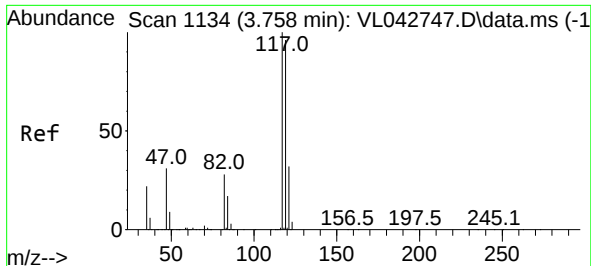
Tgt Ion: 43 Resp: 293015

Ion Ratio Lower Upper

43 100

72 21.6 17.4 26.0

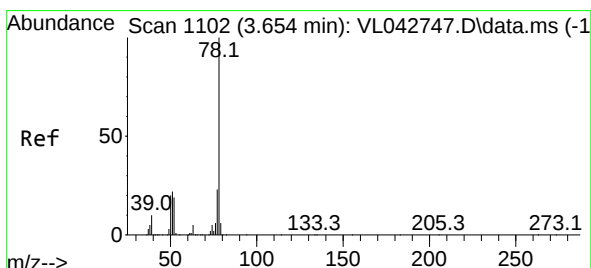
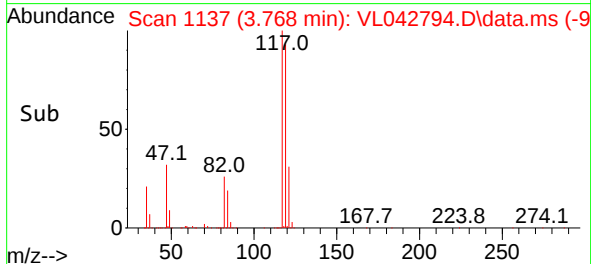
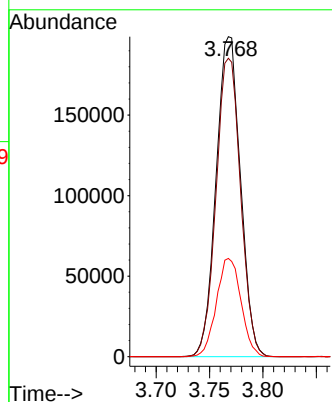
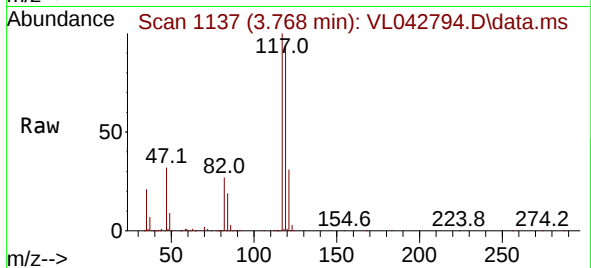




#35
Carbon Tetrachloride
Concen: 11.014 ppbv
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

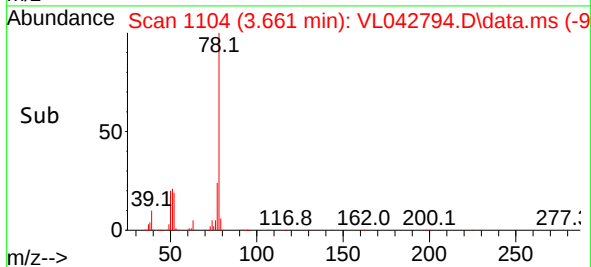
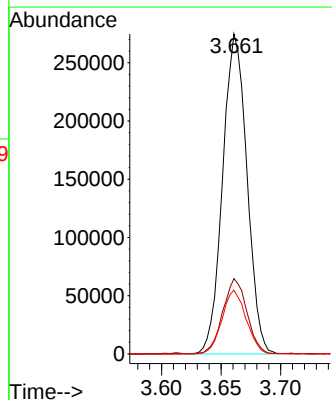
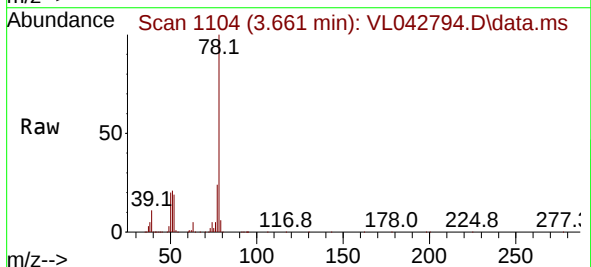
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

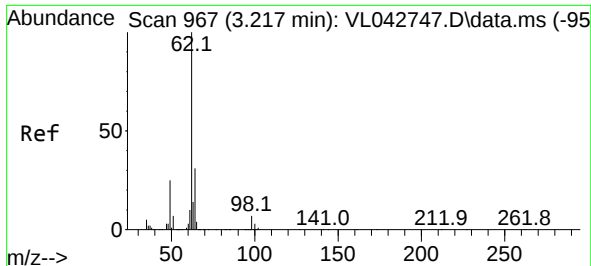
Tgt Ion:117 Resp: 315193
Ion Ratio Lower Upper
117 100
119 93.2 77.1 115.7
121 30.7 25.5 38.3



#36
Benzene
Concen: 10.677 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 78 Resp: 389839
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7
50 19.9 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.756 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

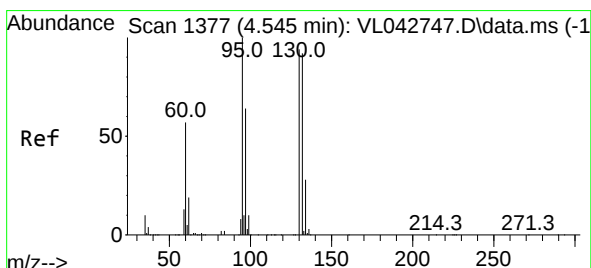
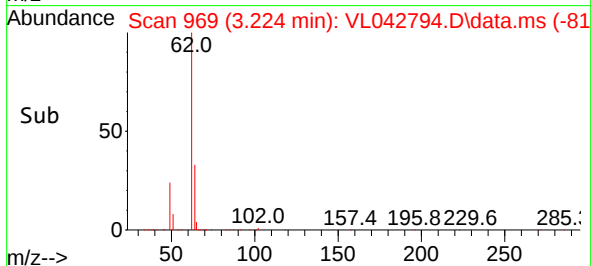
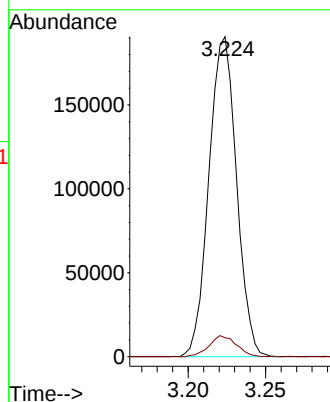
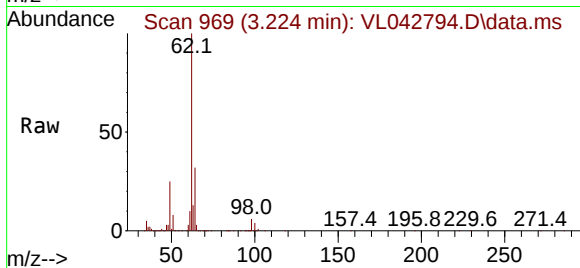
VL0731ABSD01

Tgt Ion: 62 Resp: 236593

Ion Ratio Lower Upper

62 100

98 6.5 5.2 7.8



#38

Trichloroethene

Concen: 9.974 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.013 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Tgt Ion:130 Resp: 174966

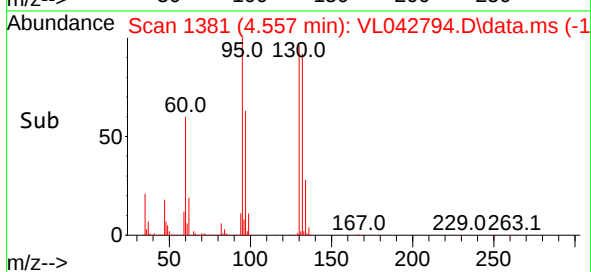
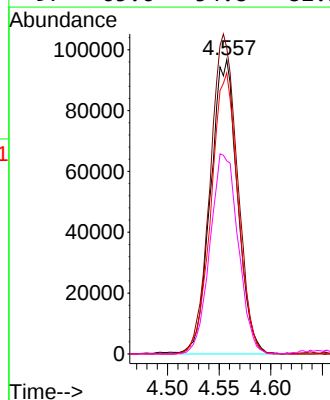
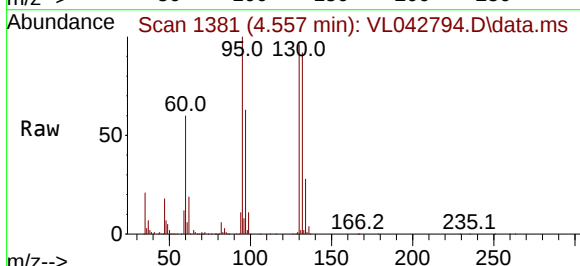
Ion Ratio Lower Upper

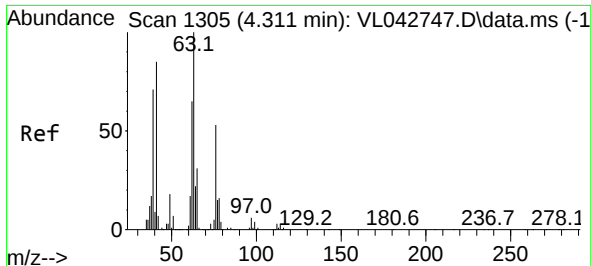
130 100

95 104.0 85.4 128.2

132 95.6 78.2 117.2

97 65.6 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.741 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01

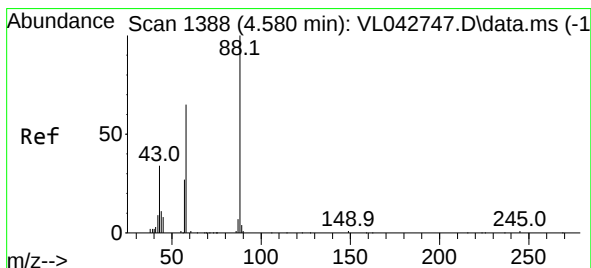
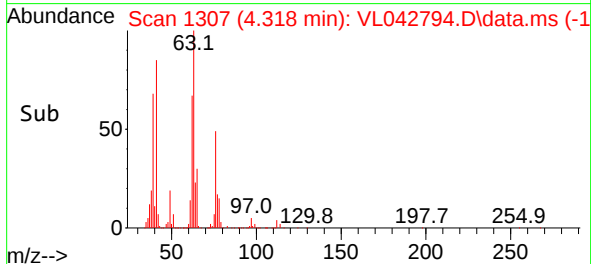
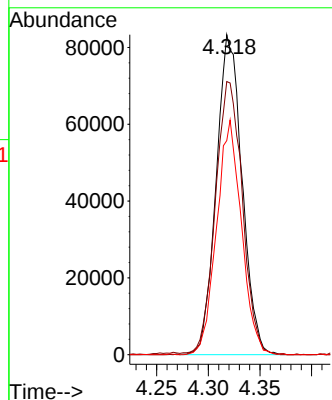
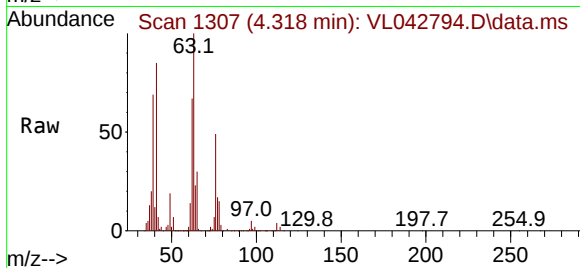
Tgt Ion: 63 Resp: 144769

Ion Ratio Lower Upper

63 100

41 84.8 68.2 102.4

62 66.9 52.0 78.0



#40

1,4-Dioxane

Concen: 9.866 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.010 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Tgt Ion: 88 Resp: 61985

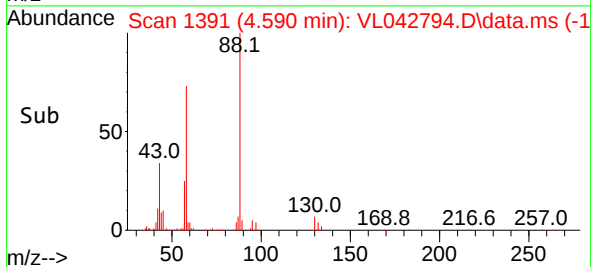
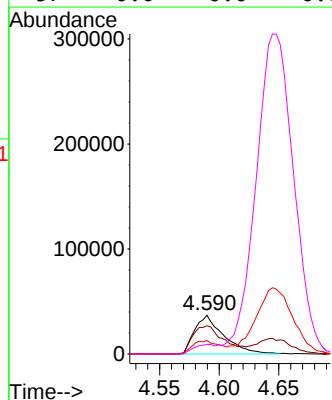
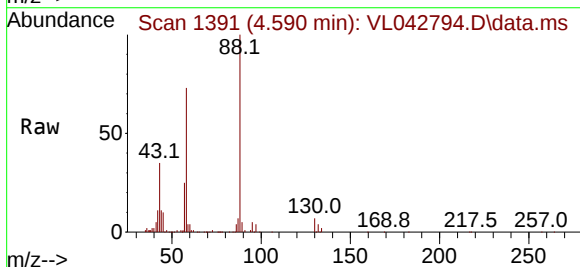
Ion Ratio Lower Upper

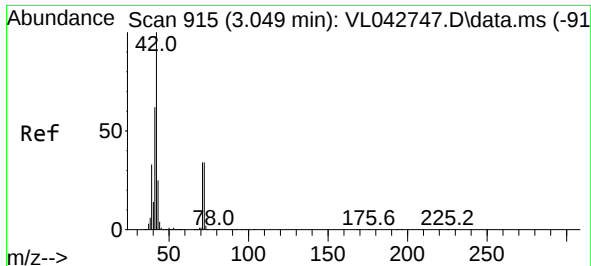
88 100

58 74.7 58.8 88.2

43 32.4 28.9 43.3

57 0.0 0.0 0.0

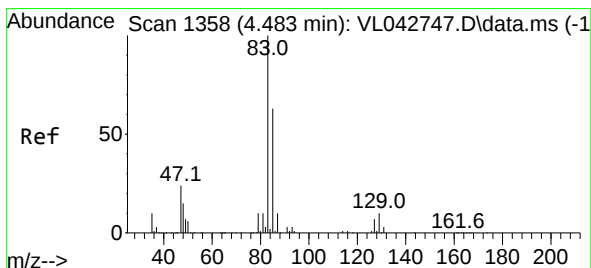
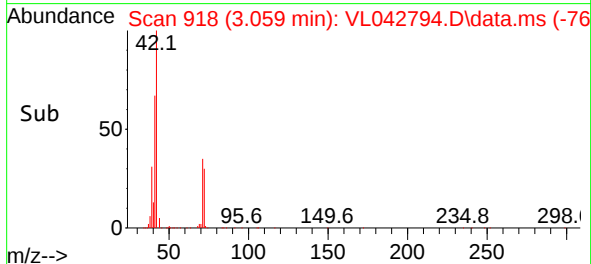
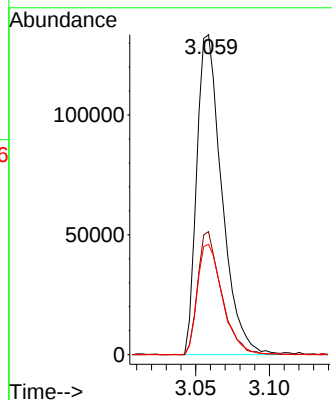
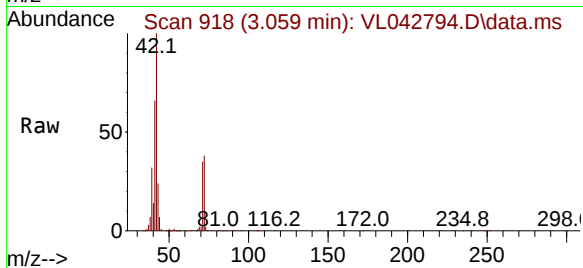




#41
Tetrahydrofuran
Concen: 11.374 ppbv
RT: 3.059 min Scan# 915
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

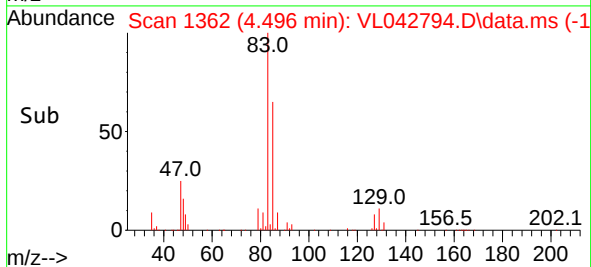
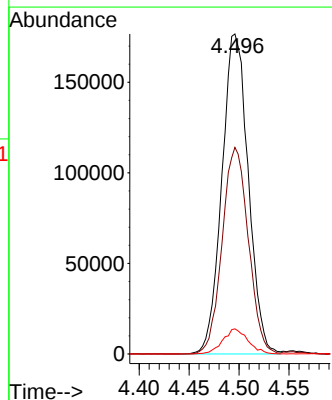
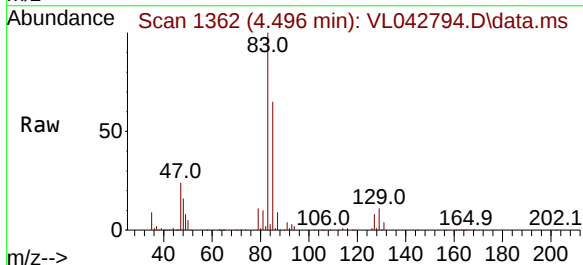
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

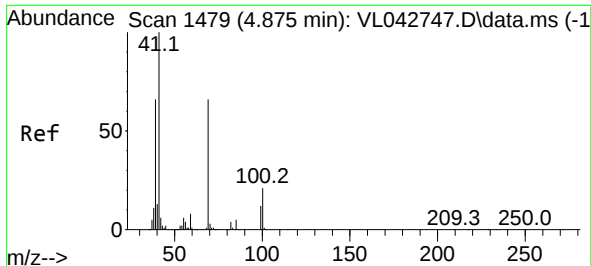
Tgt Ion: 42 Resp: 157948
Ion Ratio Lower Upper
42 100
72 36.5 30.9 46.3
71 34.7 28.6 43.0



#42
Bromodichloromethane
Concen: 11.336 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 83 Resp: 324724
Ion Ratio Lower Upper
83 100
85 64.6 50.2 75.4
127 7.9 5.4 8.2

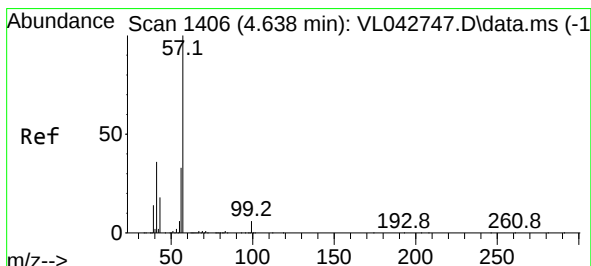
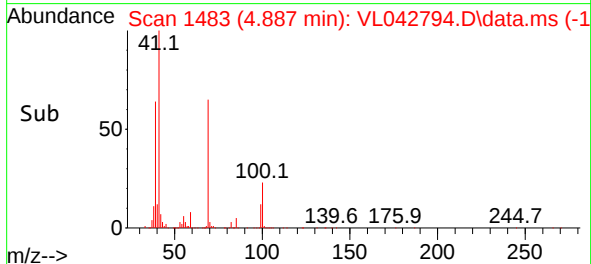
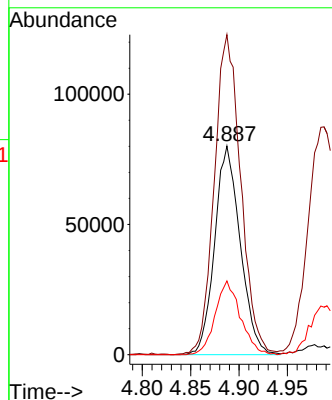
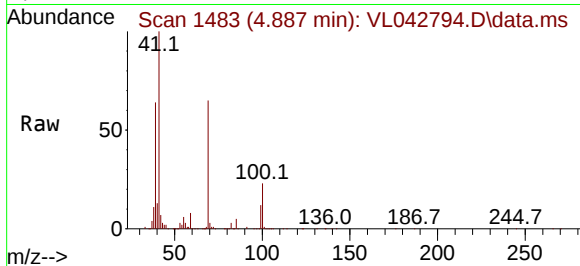




#43
Methyl Methacrylate
Concen: 11.338 ppbv
RT: 4.887 min Scan# 1479
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

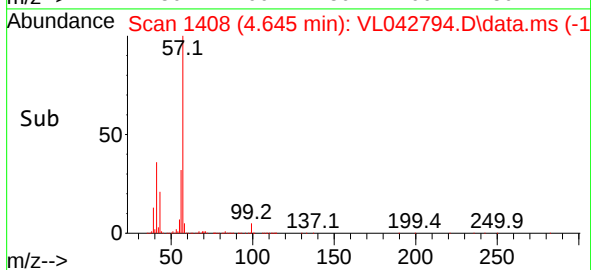
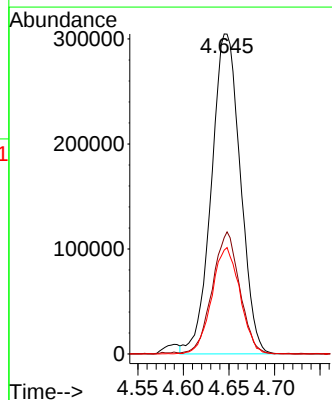
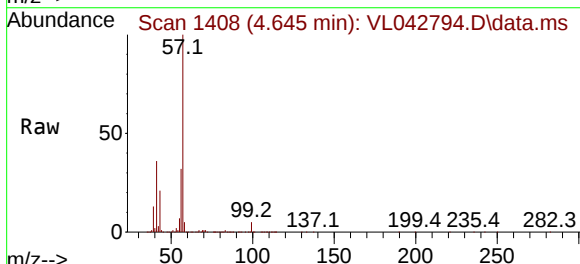
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

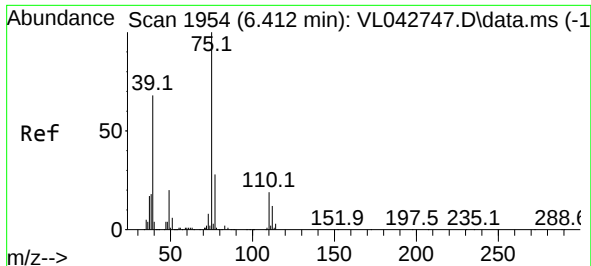
Tgt Ion: 69 Resp: 147145
Ion Ratio Lower Upper
69 100
41 158.7 125.7 188.5
100 34.8 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 11.311 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 57 Resp: 673176
Ion Ratio Lower Upper
57 100
41 36.6 28.3 42.5
56 32.6 25.8 38.6

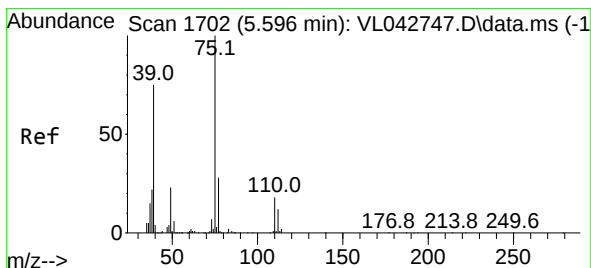
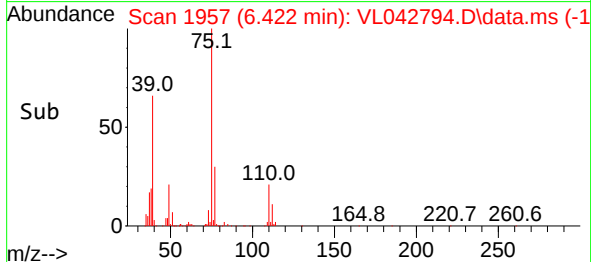
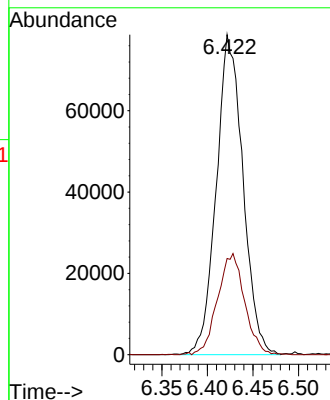
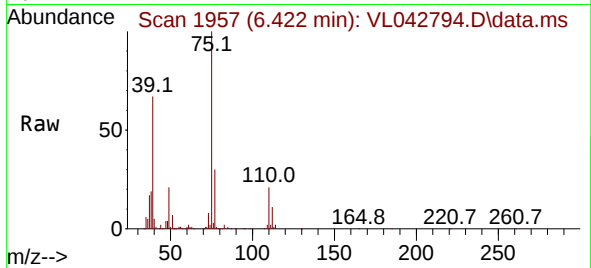




#45
 t-1,3-Dichloropropene
 Concen: 10.976 ppbv
 RT: 6.422 min Scan# 1954
 Delta R.T. 0.010 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

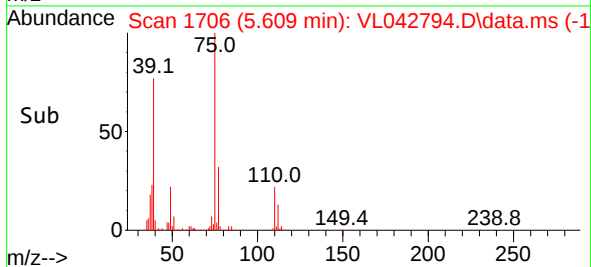
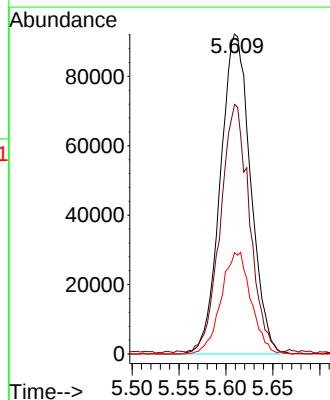
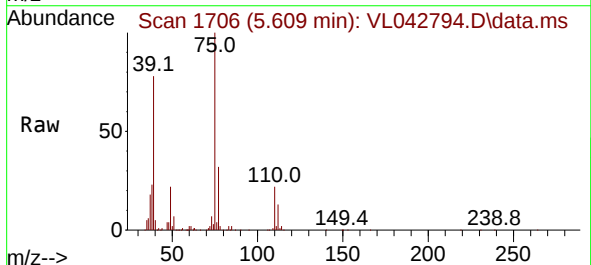
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABSD01

Tgt Ion: 75 Resp: 159751
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.160 ppbv
 RT: 5.609 min Scan# 1706
 Delta R.T. 0.013 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 75 Resp: 205816
 Ion Ratio Lower Upper
 75 100
 39 77.2 60.2 90.2
 77 31.7 22.6 34.0

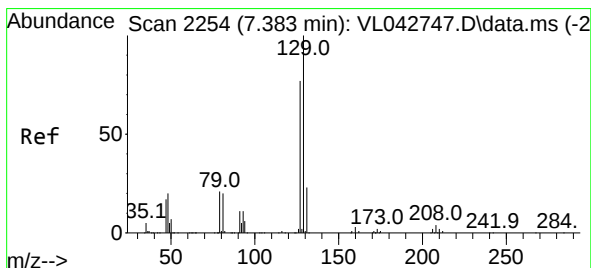
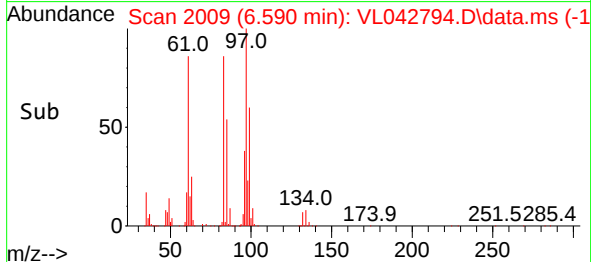
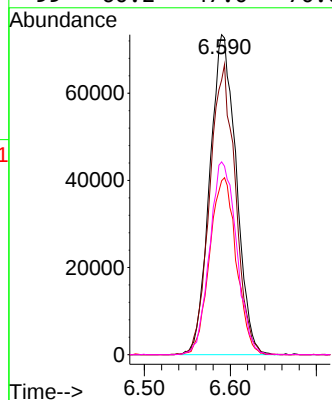
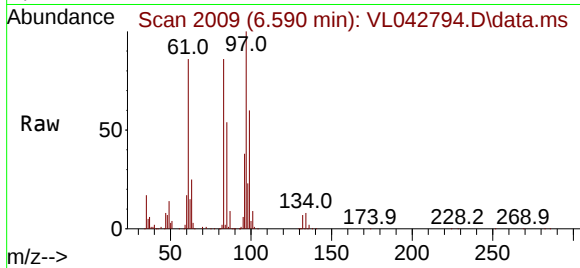




#47
1,1,2-Trichloroethane
Concen: 10.873 ppbv
RT: 6.590 min Scan# 2006
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

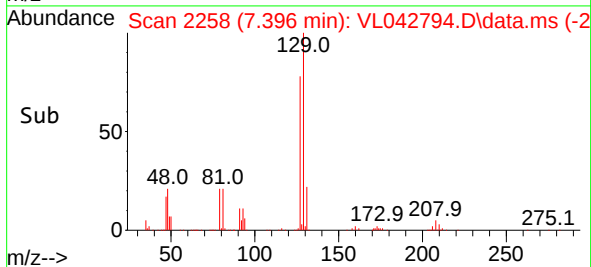
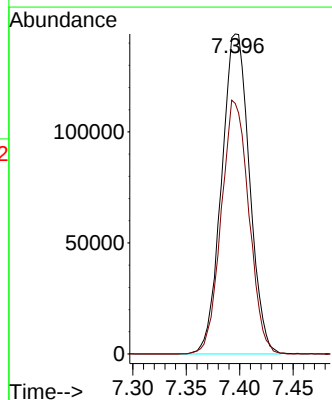
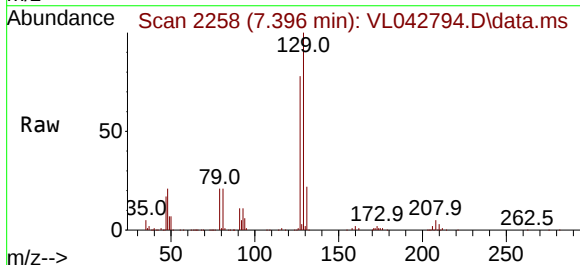
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

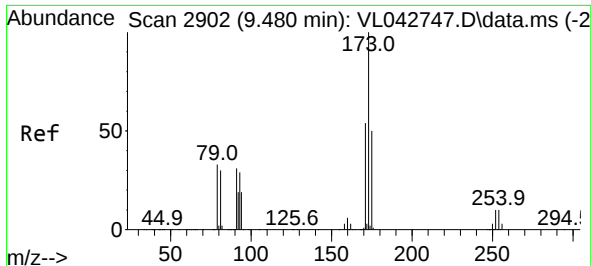
Tgt Ion: 97	Resp: 156216
Ion Ratio	Lower Upper
97 100	
83 85.7	71.1 106.7
85 54.3	43.0 64.4
99 60.2	47.0 70.6



#48
Dibromochloromethane
Concen: 11.510 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt	Ion:129	Resp:	262522
Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.7	116.1

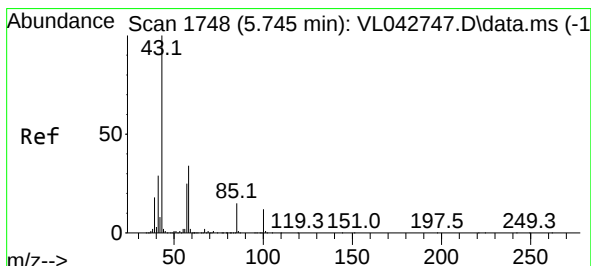
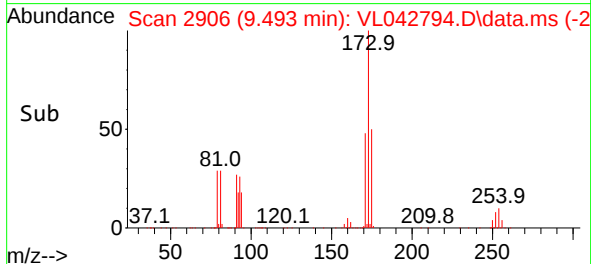
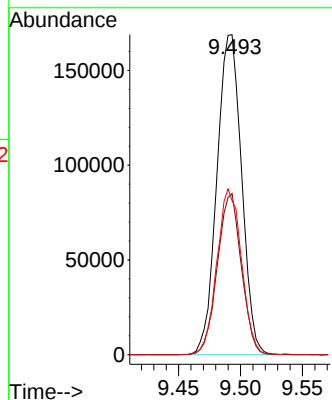
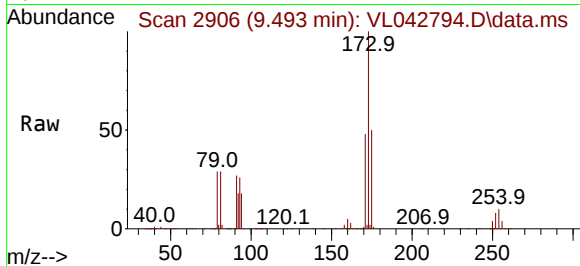




#49
 Bromoform
 Concen: 11.811 ppbv
 RT: 9.493 min Scan# 2906
 Delta R.T. 0.013 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

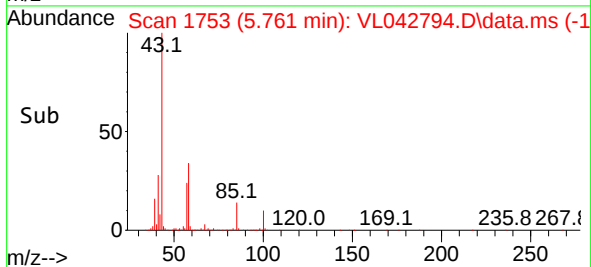
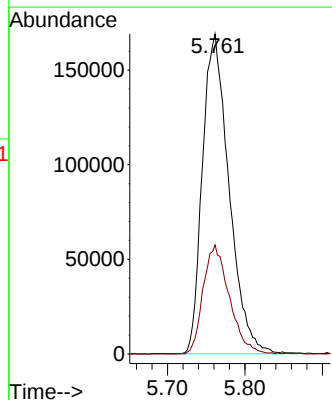
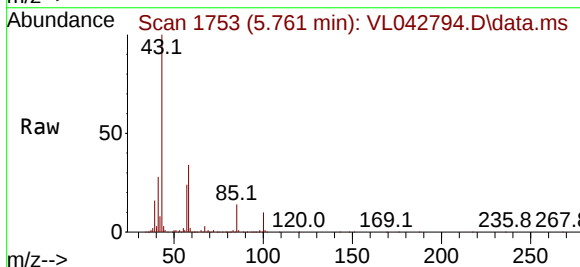
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABSD01

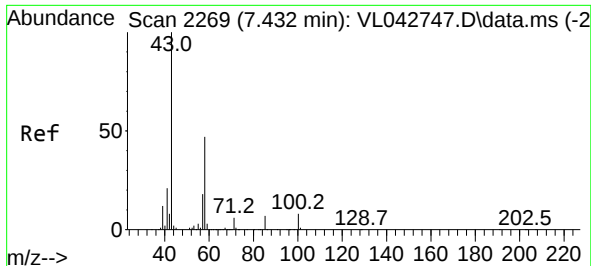
Tgt Ion:173 Resp: 234893
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.4 57.6
 171 51.5 40.9 61.3



#50
 4-Methyl-2-Pentanone
 Concen: 11.467 ppbv
 RT: 5.761 min Scan# 1753
 Delta R.T. 0.016 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 403132
 Ion Ratio Lower Upper
 43 100
 58 33.5 27.8 41.8

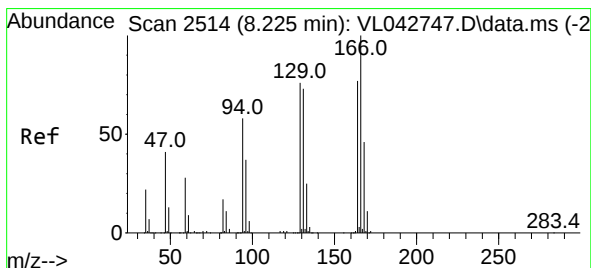
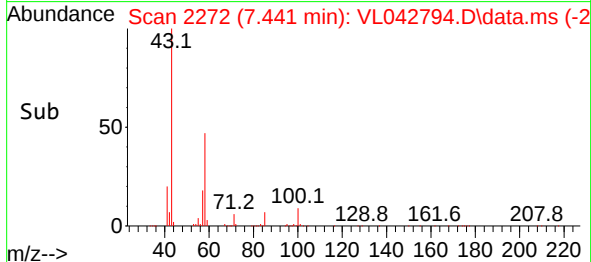
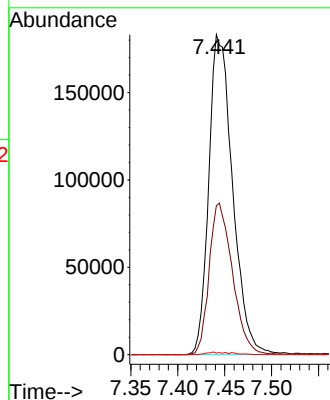
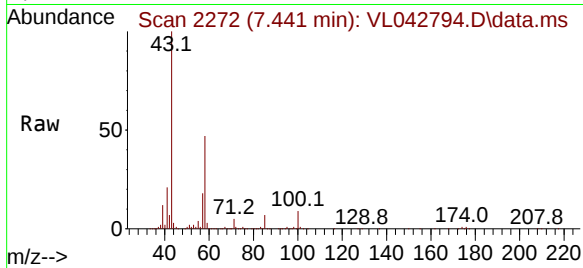




#51
2-Hexanone
Concen: 12.152 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

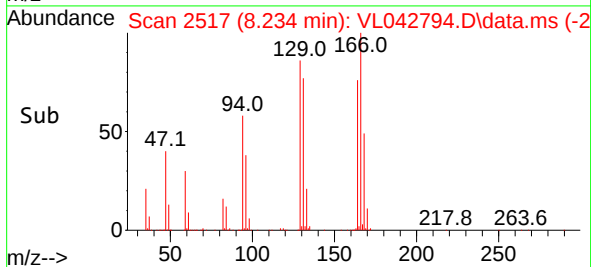
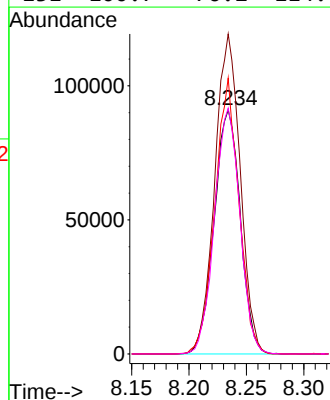
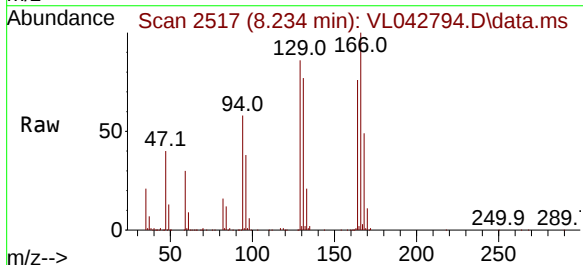
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

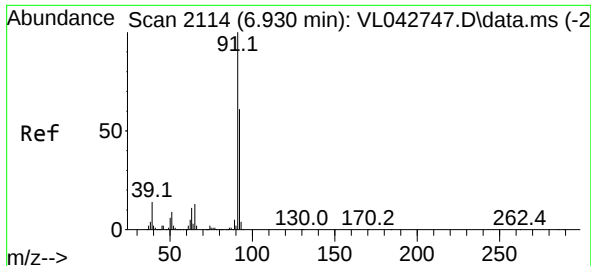
Tgt Ion: 43 Resp: 322822
Ion Ratio Lower Upper
43 100
58 46.5 38.0 57.0
98 0.9 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.518 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 164 Resp: 144051
Ion Ratio Lower Upper
164 100
166 131.1 104.0 156.0
129 112.9 79.2 118.8
131 100.7 76.2 114.4

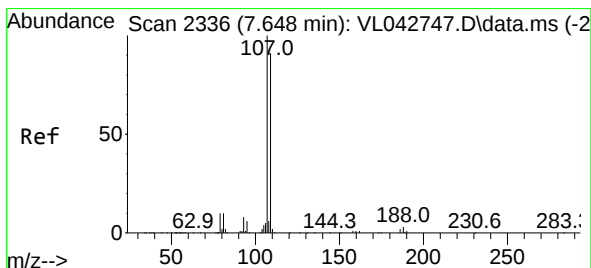
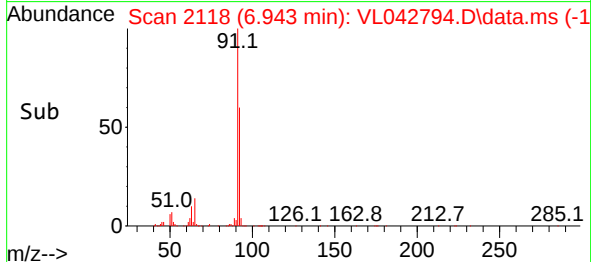
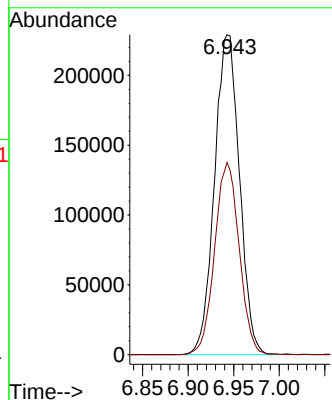
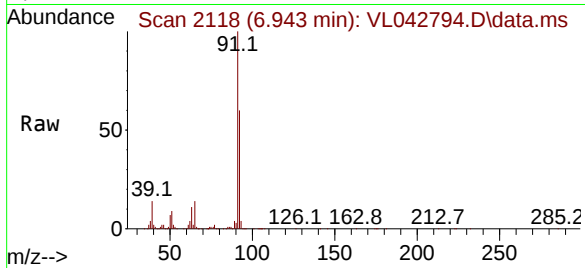




#53
Toluene
Concen: 11.135 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

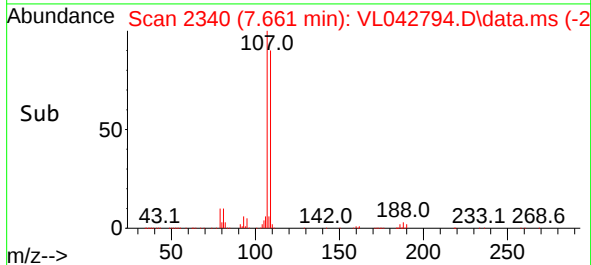
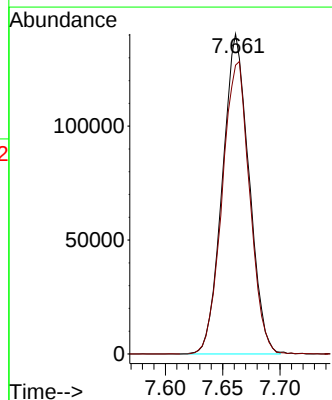
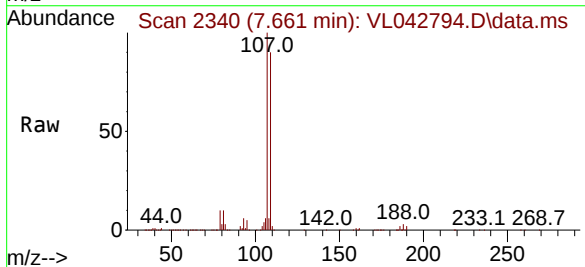
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

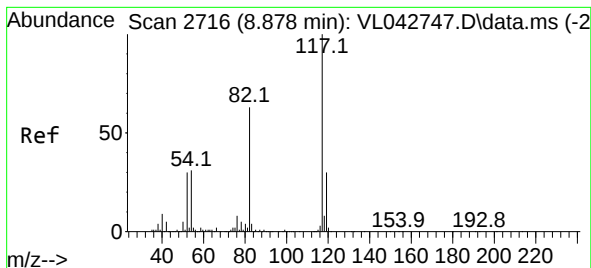
Tgt Ion: 91 Resp: 436601
Ion Ratio Lower Upper
91 100
92 59.1 48.0 72.0



#54
1,2-Dibromoethane
Concen: 11.172 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 107 Resp: 226779
Ion Ratio Lower Upper
107 100
109 90.2 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2716

Delta R.T. 0.010 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_1

ClientSampleId :

VL0731ABSD01

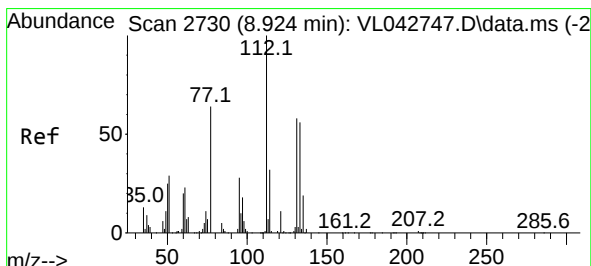
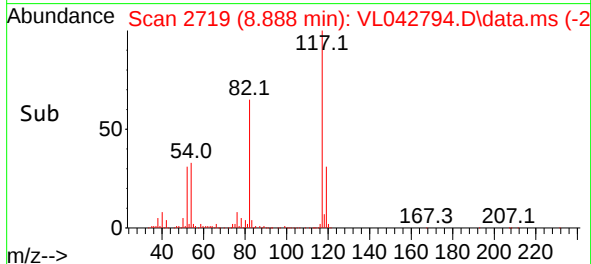
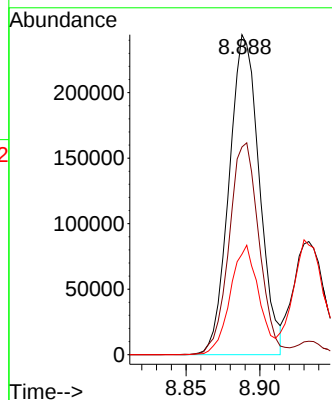
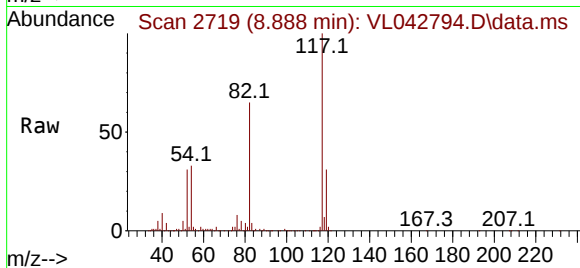
Tgt Ion:117 Resp: 347681

Ion Ratio Lower Upper

117 100

82 69.6 53.3 79.9

119 33.5 25.8 38.6



#56

1,1,1,2-Tetrachloroethane

Concen: 11.035 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

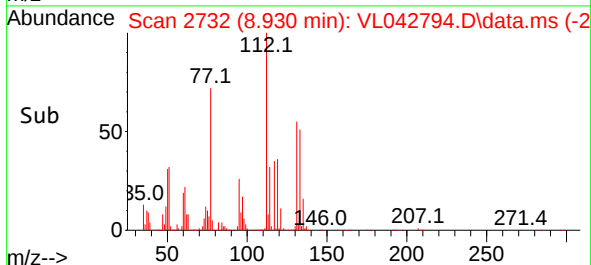
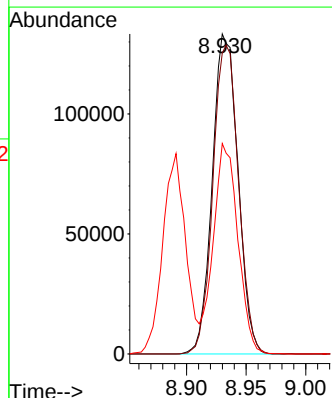
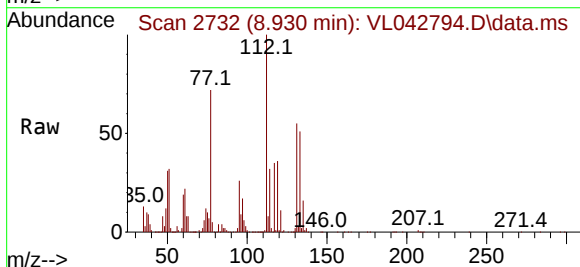
Tgt Ion:131 Resp: 199484

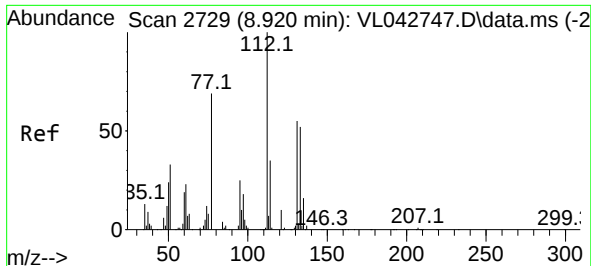
Ion Ratio Lower Upper

131 100

133 96.5 76.8 115.2

119 64.2 49.7 74.5

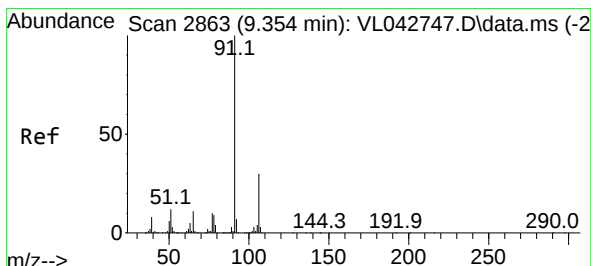
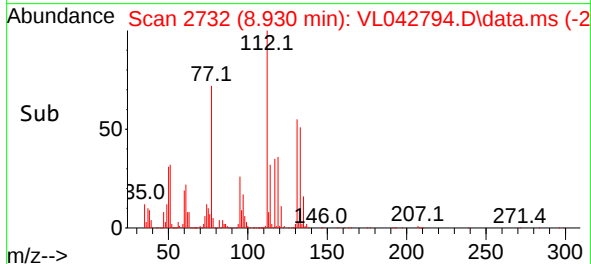
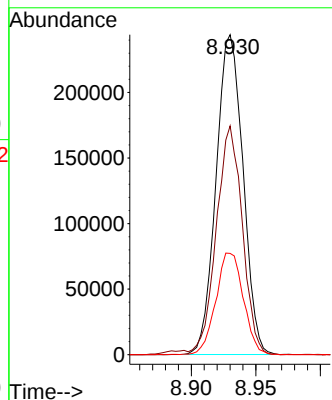
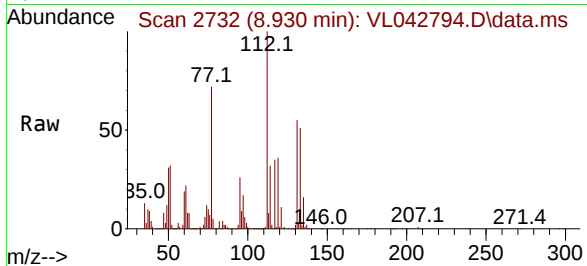




#57
Chlorobenzene
Concen: 10.519 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

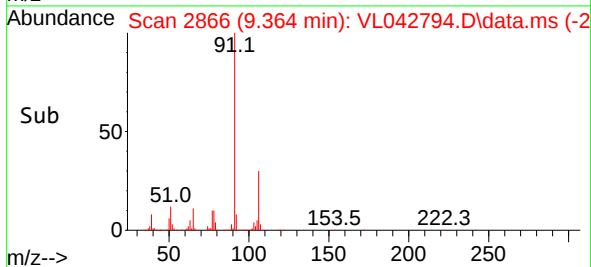
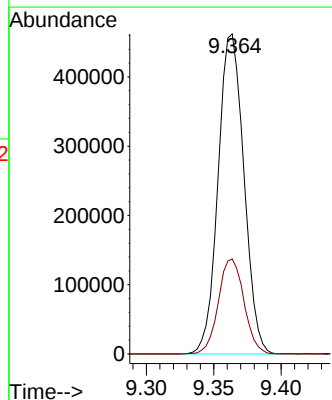
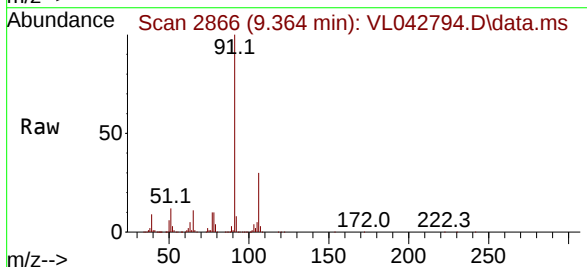
Instrument :
MSVOA_1
ClientSampleId :
VL0731ABSD01

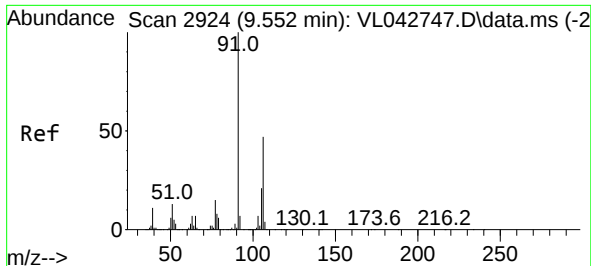
Tgt Ion:112 Resp: 353946
Ion Ratio Lower Upper
112 100
77 71.6 56.4 84.6
114 31.6 31.2 38.2



#58
Ethyl Benzene
Concen: 11.212 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 615615
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6





#59

m/p-Xylene

Concen: 11.643 ppbv

RT: 9.558 min Scan# 2924

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

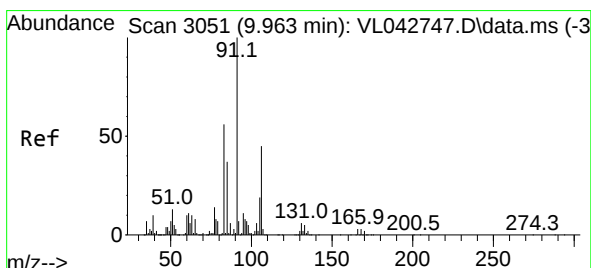
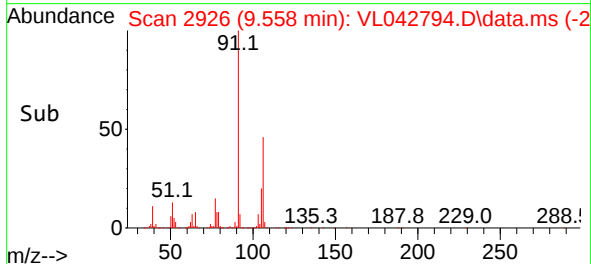
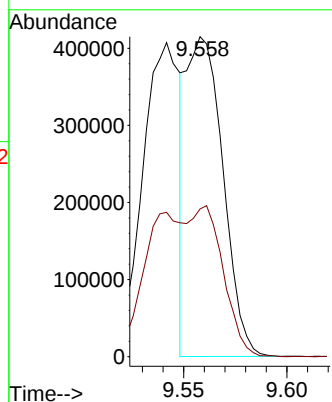
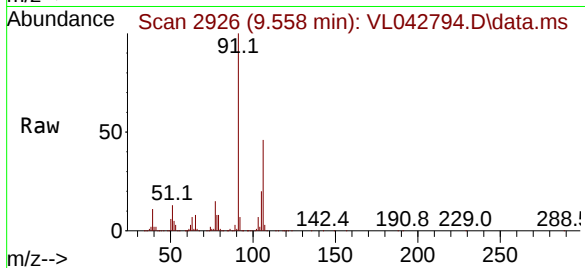
VL0731ABSD01

Tgt Ion: 91 Resp: 510911

Ion Ratio Lower Upper

91 100

106 93.2 37.4 56.2#



#60

o-Xylene

Concen: 11.615 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL042794.D

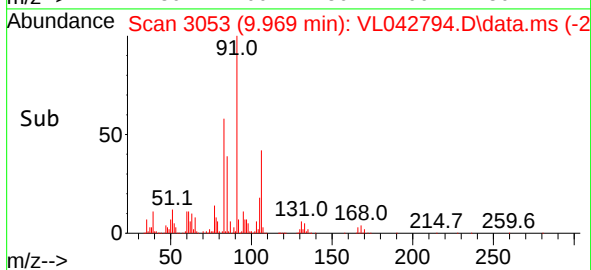
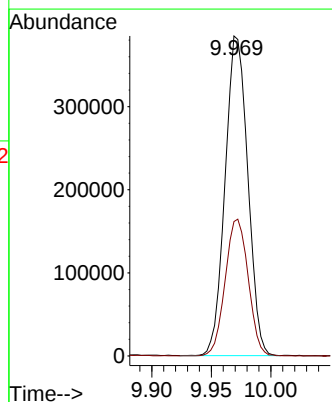
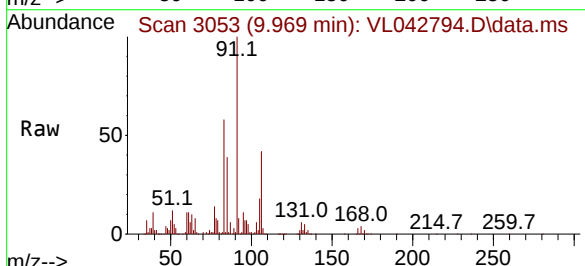
Acq: 31 Jul 2025 13:55

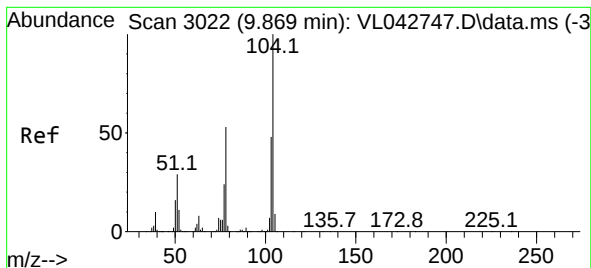
Tgt Ion: 91 Resp: 509306

Ion Ratio Lower Upper

91 100

106 43.6 22.0 66.0





#61

Styrene

Concen: 11.813 ppbv

RT: 9.878 min Scan# 3022

Delta R.T. 0.009 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01

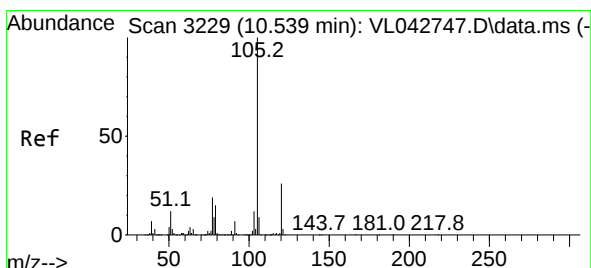
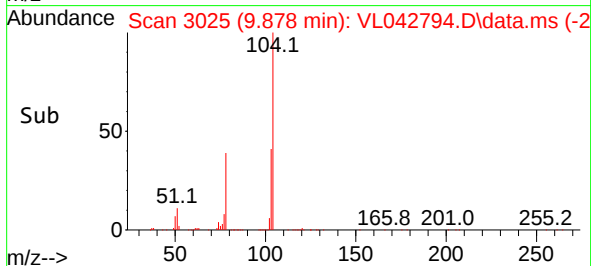
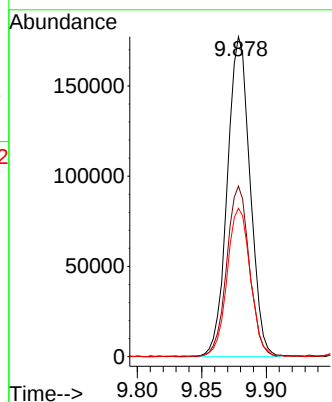
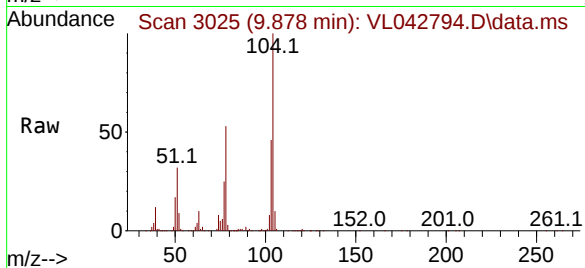
Tgt Ion:104 Resp: 217878

Ion Ratio Lower Upper

104 100

78 53.1 41.5 62.3

103 47.6 37.5 56.3



#62

Isopropylbenzene

Concen: 11.304 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.006 min

Lab File: VL042794.D

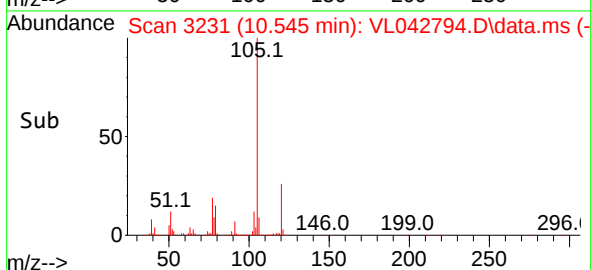
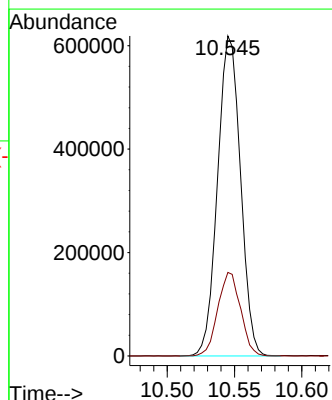
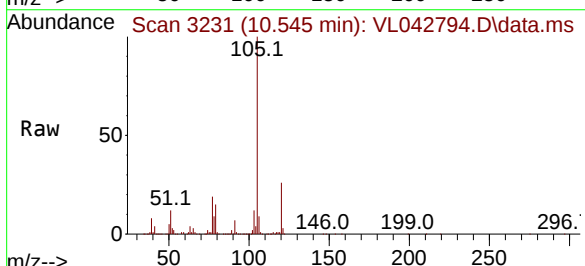
Acq: 31 Jul 2025 13:55

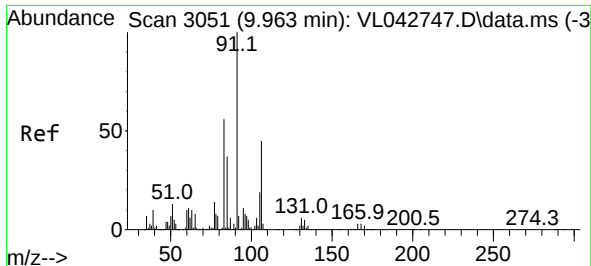
Tgt Ion:105 Resp: 731077

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 10.323 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01

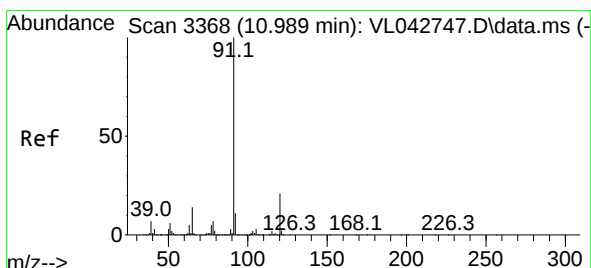
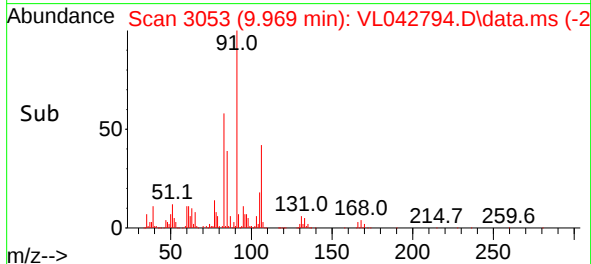
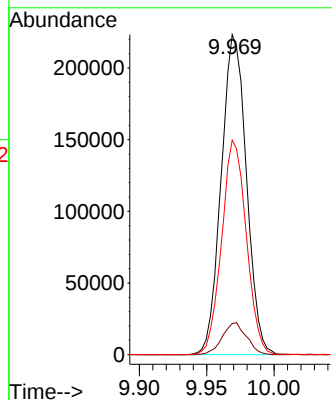
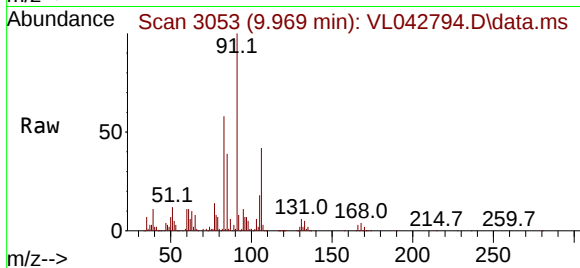
Tgt Ion: 83 Resp: 290577

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

85 65.6 32.6 97.7



#64

n-propylbenzene

Concen: 11.637 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.006 min

Lab File: VL042794.D

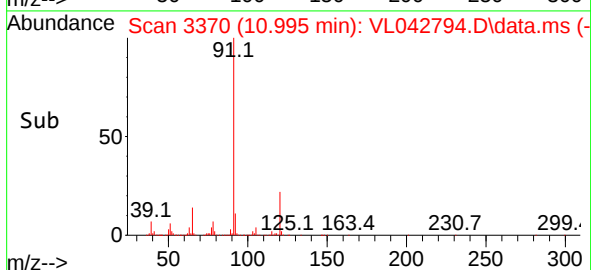
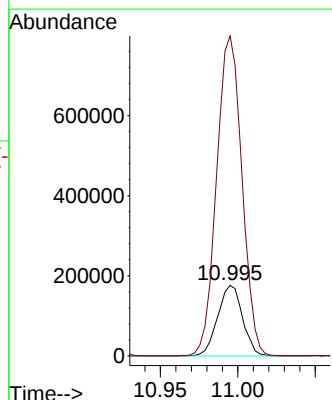
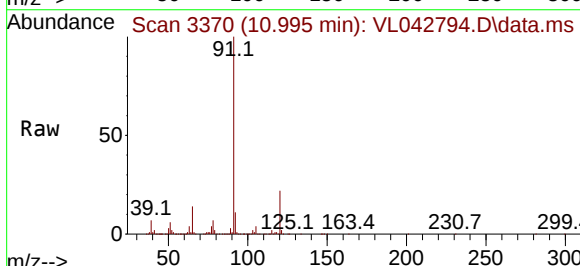
Acq: 31 Jul 2025 13:55

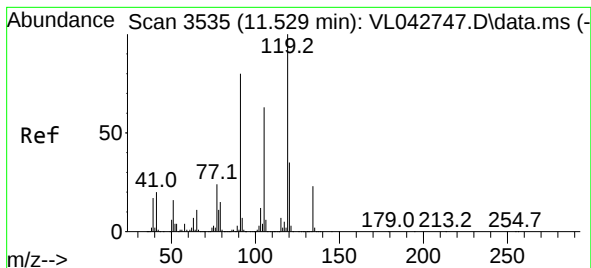
Tgt Ion: 120 Resp: 196210

Ion Ratio Lower Upper

120 100

91 464.6 372.7 559.1

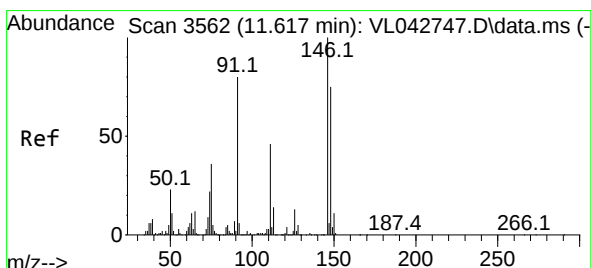
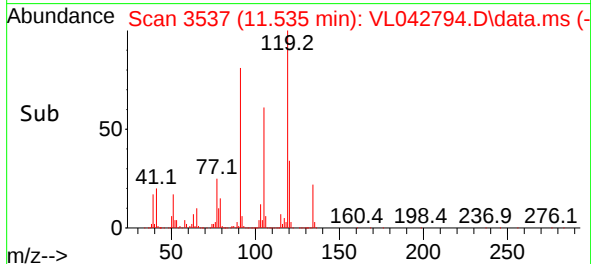
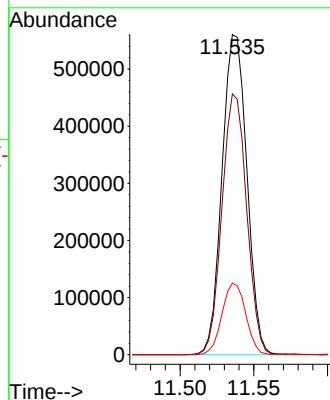
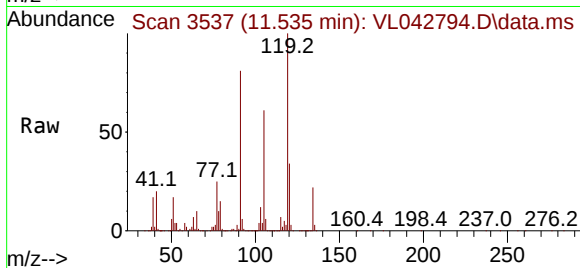




#65
tert-Butylbenzene
Concen: 11.427 ppbv
RT: 11.535 min Scan# 3535
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

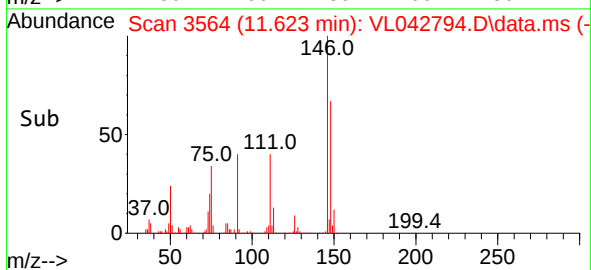
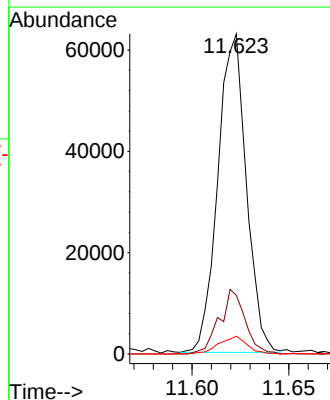
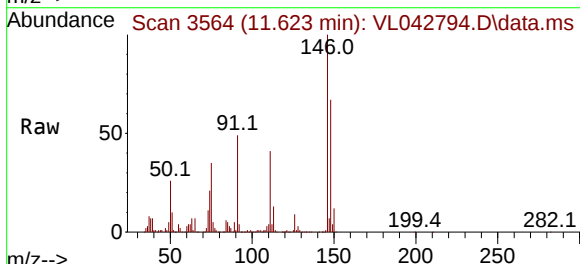
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

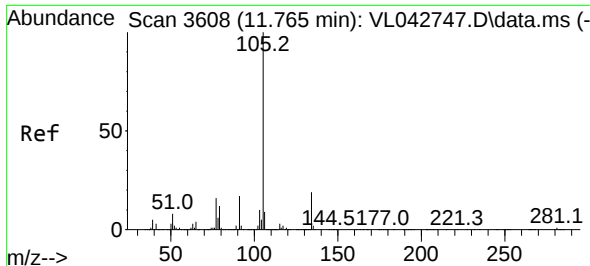
Tgt Ion:119 Resp: 656497
Ion Ratio Lower Upper
119 100
91 81.0 64.0 96.0
134 21.4 17.3 25.9



#66
Benzyl Chloride
Concen: 13.634 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 64301
Ion Ratio Lower Upper
91 100
126 18.3 14.4 21.6
128 5.6 5.2 7.8

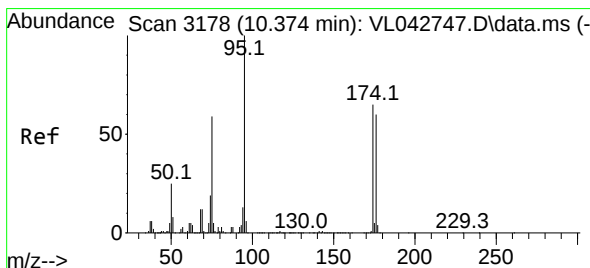
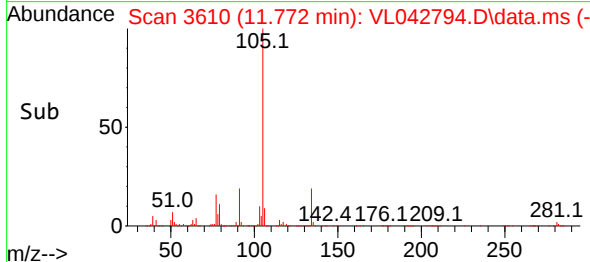
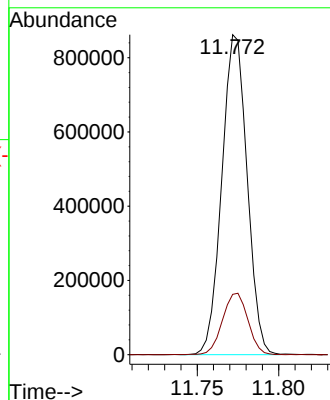
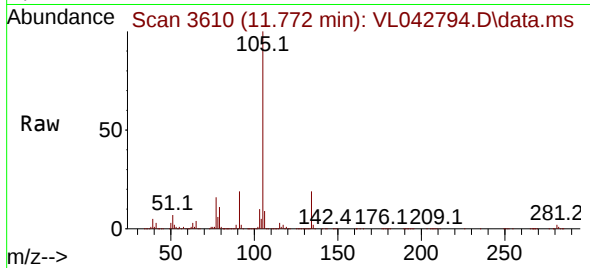




#67
 sec-Butylbenzene
 Concen: 11.374 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

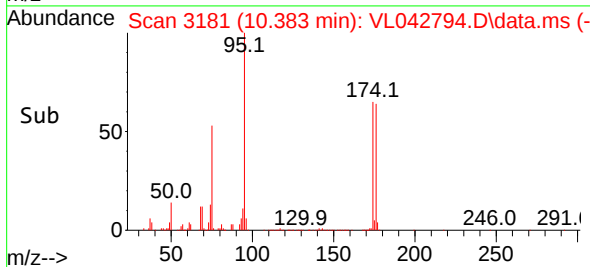
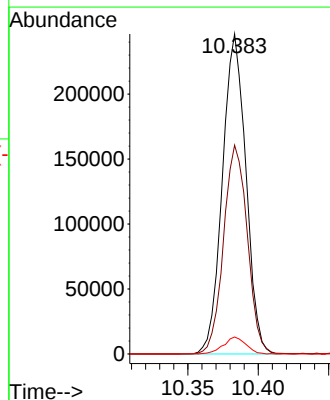
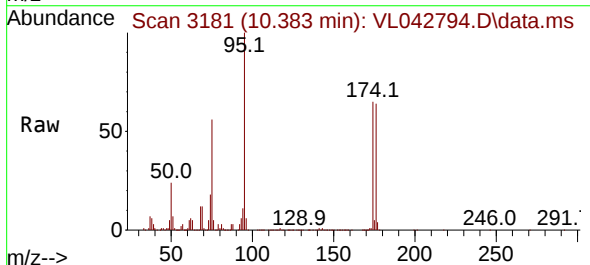
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABSD01

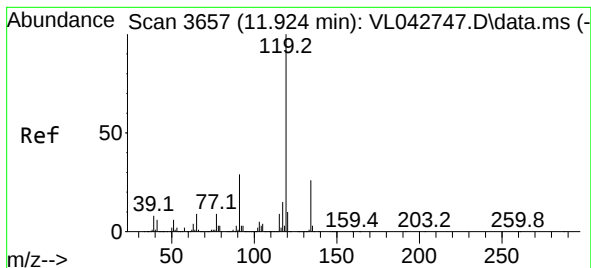
Tgt Ion:105 Resp: 929357
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.386 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.009 min
 Lab File: VL042794.D
 Acq: 31 Jul 2025 13:55

Tgt Ion: 95 Resp: 285966
 Ion Ratio Lower Upper
 95 100
 174 66.1 53.8 80.6
 175 5.1 4.0 6.0

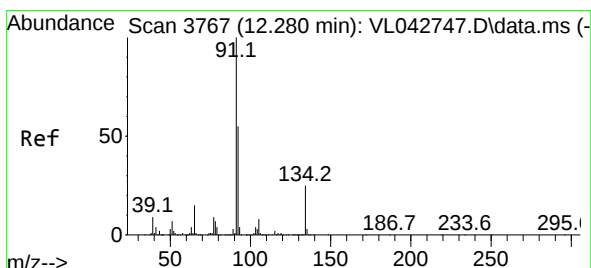
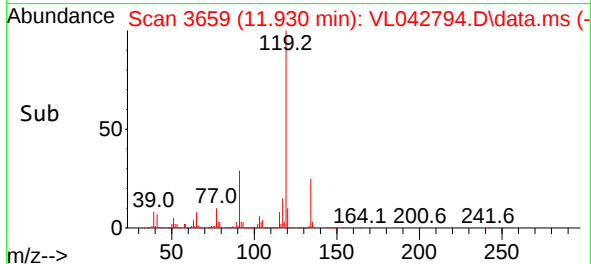
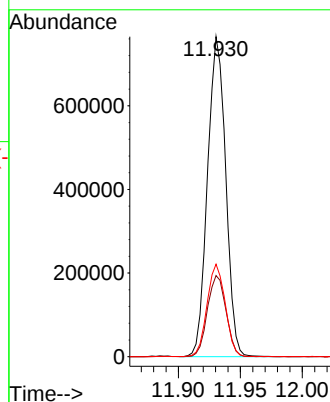
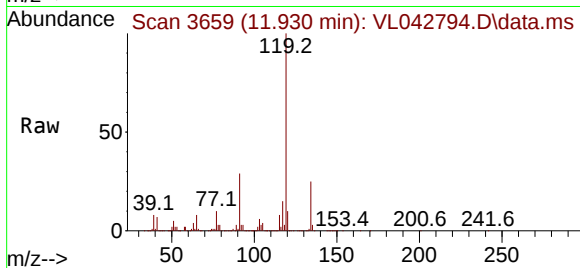




#69
p-Isopropyltoluene
Concen: 11.766 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

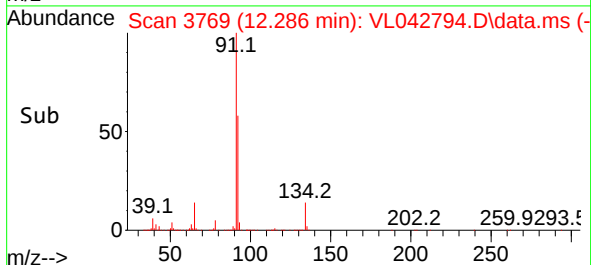
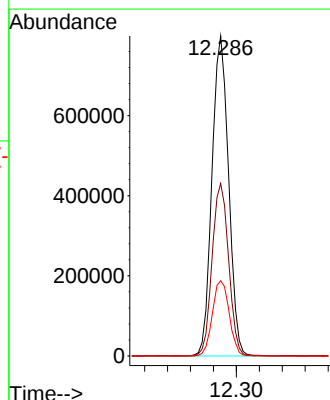
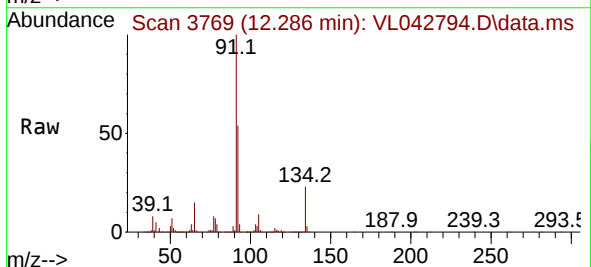
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

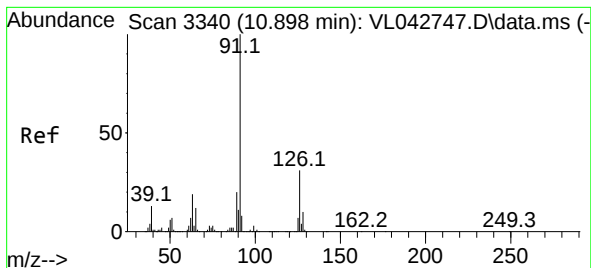
Tgt Ion:119 Resp: 783925
Ion Ratio Lower Upper
119 100
134 26.0 20.6 31.0
91 28.9 23.2 34.8



#70
n-Butylbenzene
Concen: 12.474 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 802758
Ion Ratio Lower Upper
91 100
92 53.6 43.4 65.2
134 23.9 19.6 29.4

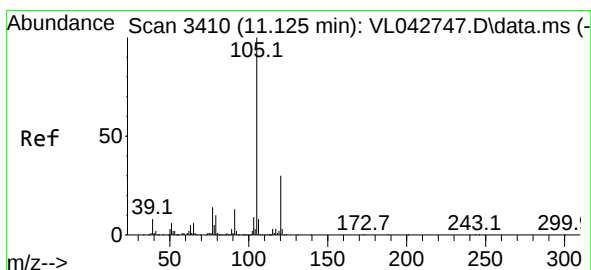
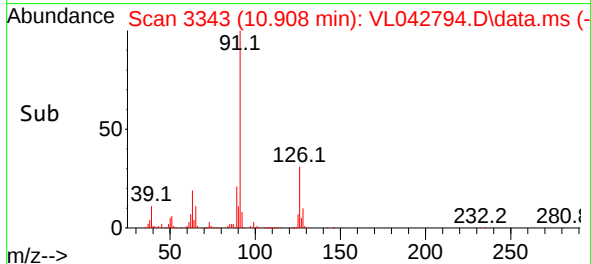
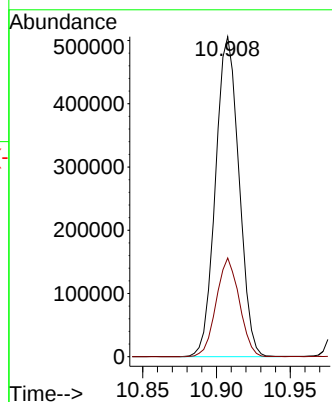
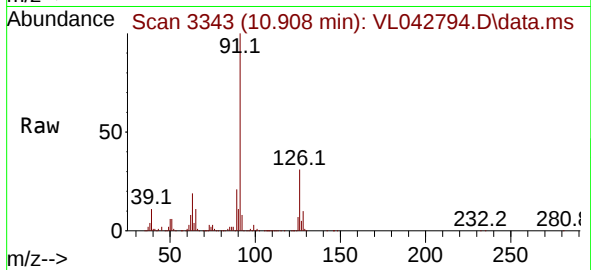




#71
2-Chlorotoluene
Concen: 11.306 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

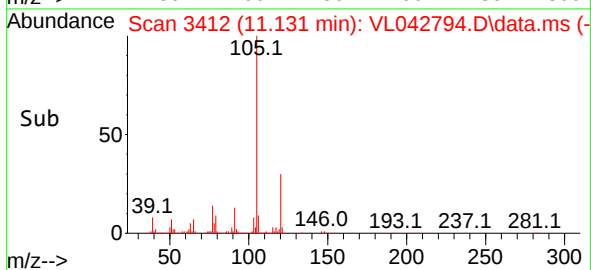
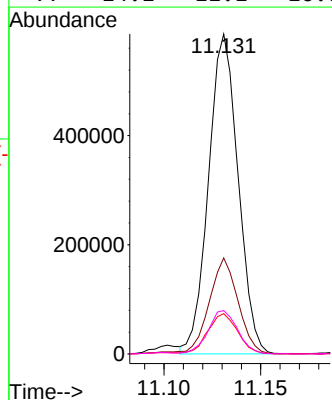
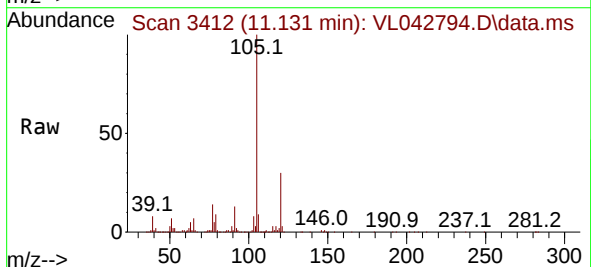
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

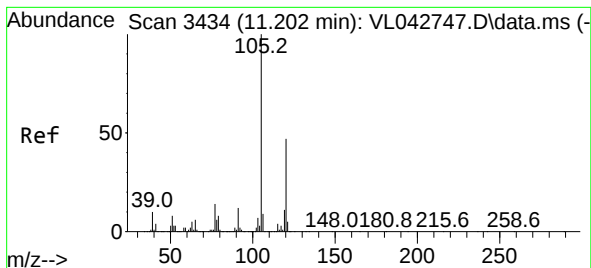
Tgt Ion: 91 Resp: 560672
Ion Ratio Lower Upper
91 100
126 30.4 12.0 48.2



#72
4-Ethyltoluene
Concen: 11.893 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 105 Resp: 622768
Ion Ratio Lower Upper
105 100
120 29.9 24.4 36.6
91 13.0 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 12.114 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

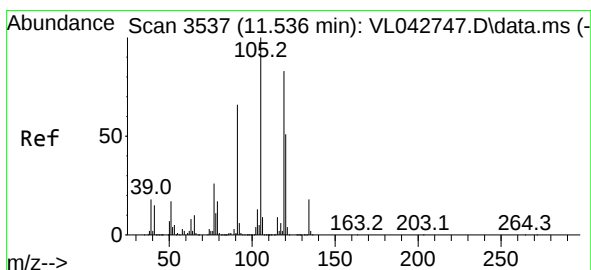
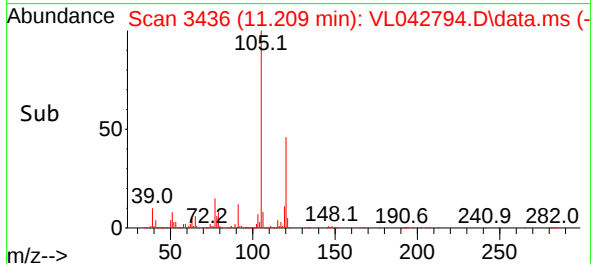
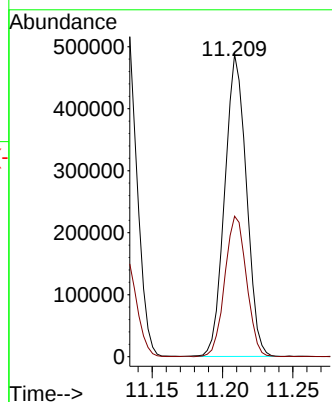
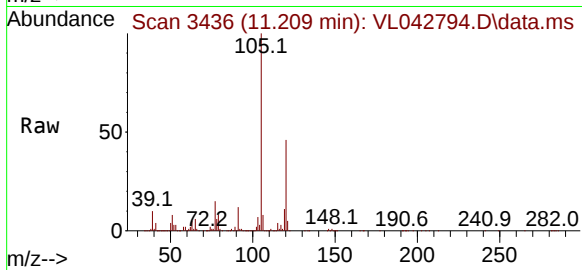
VL0731ABSD01

Tgt Ion:105 Resp: 522269

Ion Ratio Lower Upper

105 100

120 46.5 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 12.248 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 576097

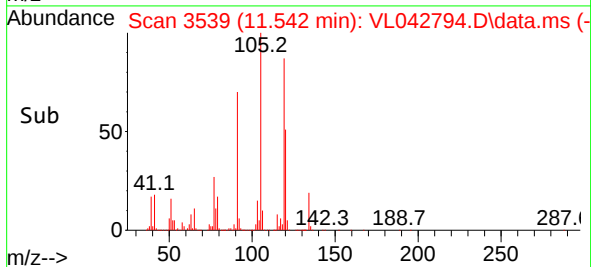
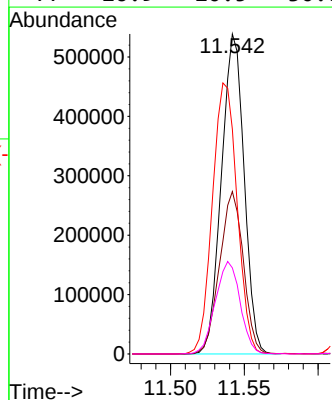
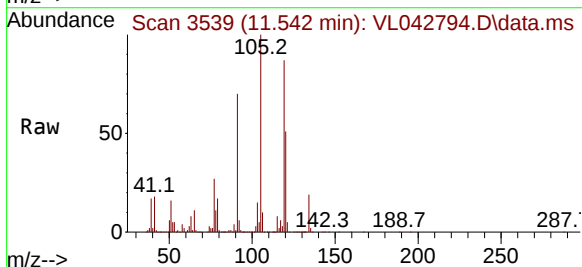
Ion Ratio Lower Upper

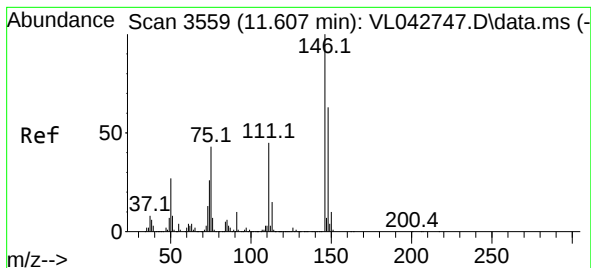
105 100

120 50.7 40.8 61.2

91 70.2 53.0 79.4

77 26.9 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 11.224 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_1

ClientSampleId :

VL0731ABSD01

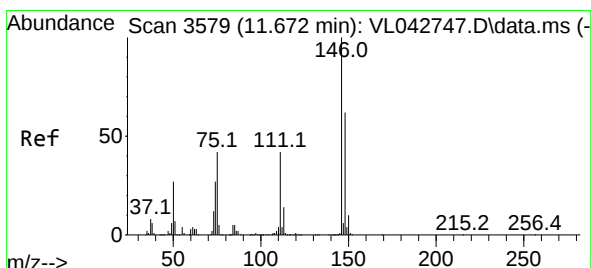
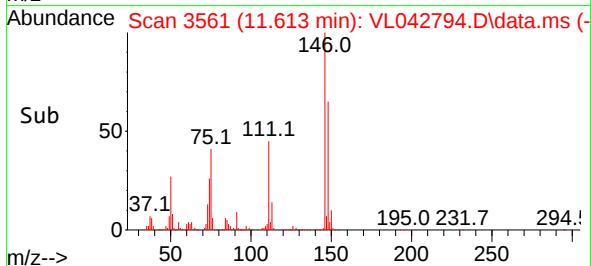
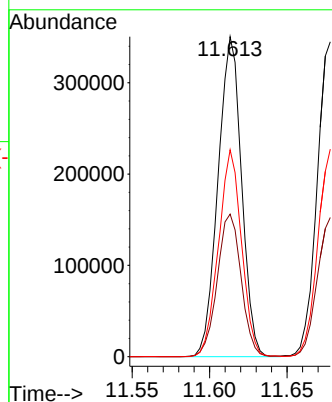
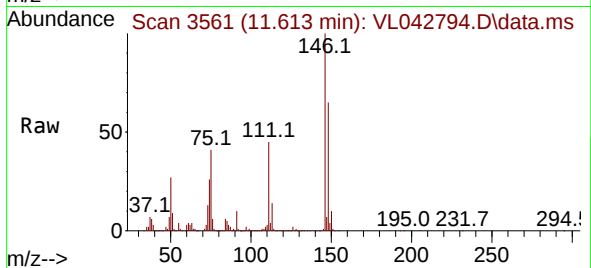
Tgt Ion:146 Resp: 370097

Ion Ratio Lower Upper

146 100

111 45.2 22.7 68.0

148 63.4 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.326 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

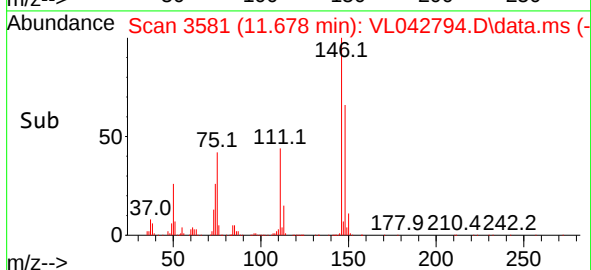
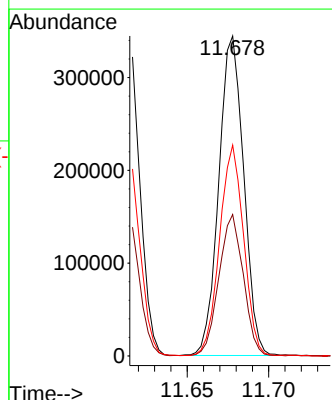
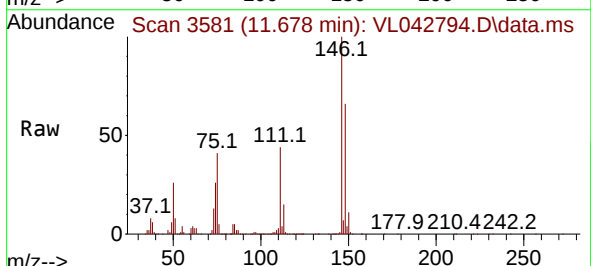
Tgt Ion:146 Resp: 365448

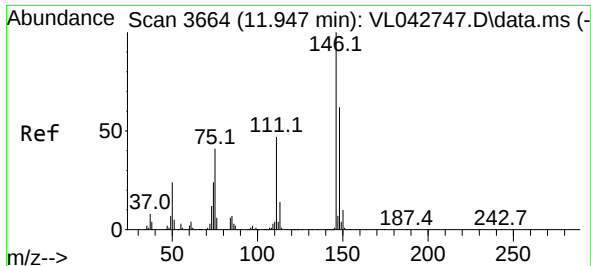
Ion Ratio Lower Upper

146 100

111 43.8 21.4 64.2

148 63.8 32.1 96.3

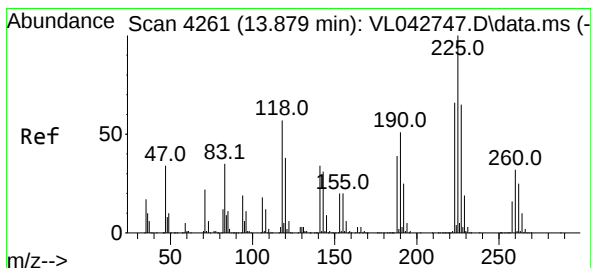
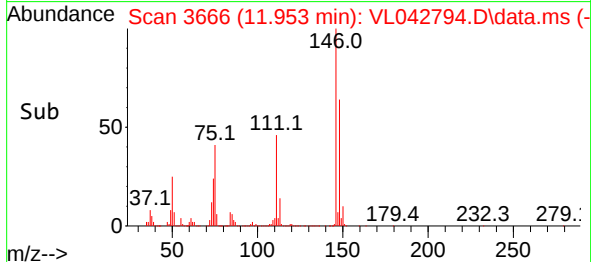
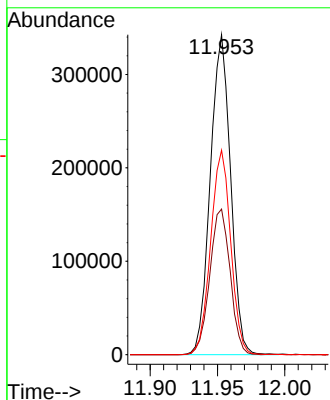
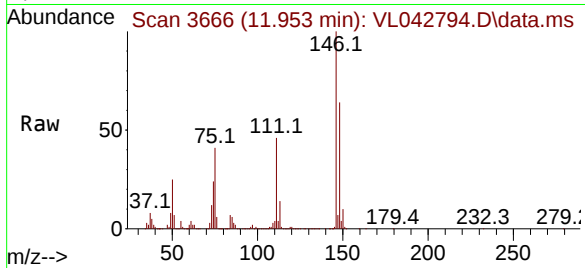




#77
1,2-Dichlorobenzene
Concen: 11.043 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

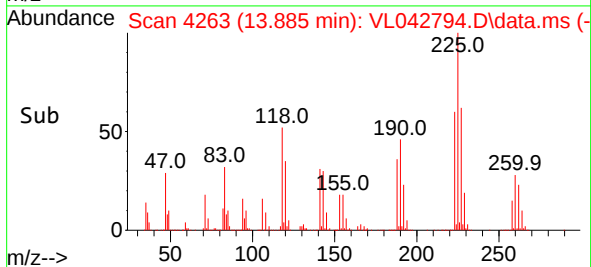
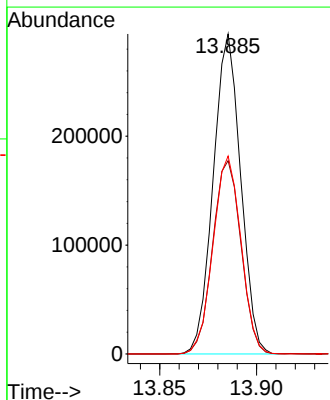
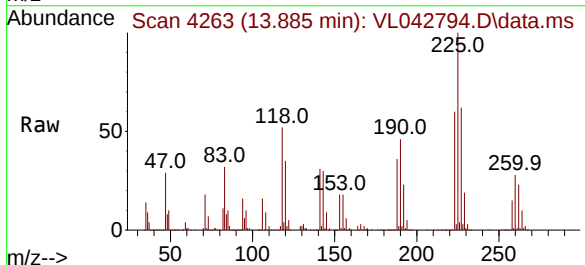
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

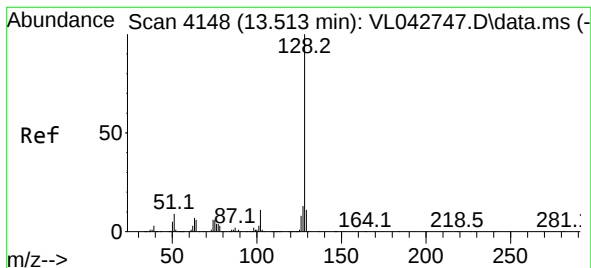
Tgt Ion:146 Resp: 357874
Ion Ratio Lower Upper
146 100
111 46.0 23.7 71.1
148 63.4 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 9.863 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:225 Resp: 289316
Ion Ratio Lower Upper
225 100
223 62.5 50.7 76.1
227 63.1 50.5 75.7





#79

Naphthalene

Concen: 10.791 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01

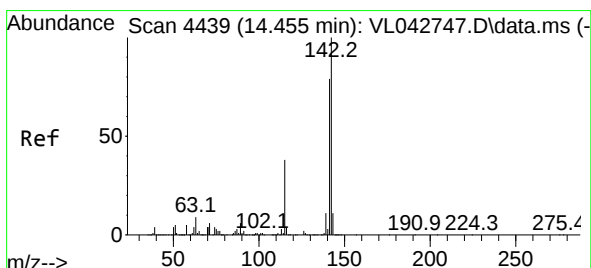
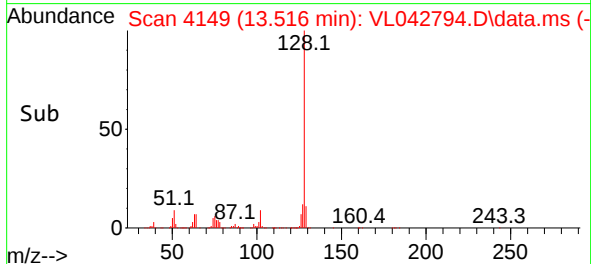
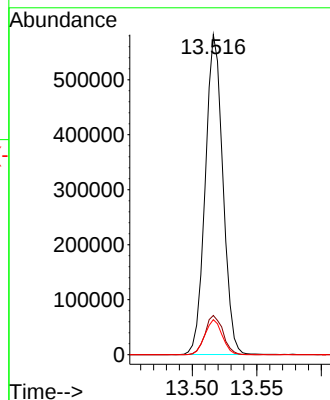
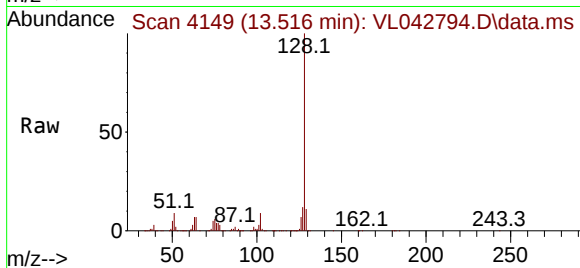
Tgt Ion:128 Resp: 552592

Ion Ratio Lower Upper

128 100

127 12.3 10.5 15.7

129 10.9 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 8.445 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.006 min

Lab File: VL042794.D

Acq: 31 Jul 2025 13:55

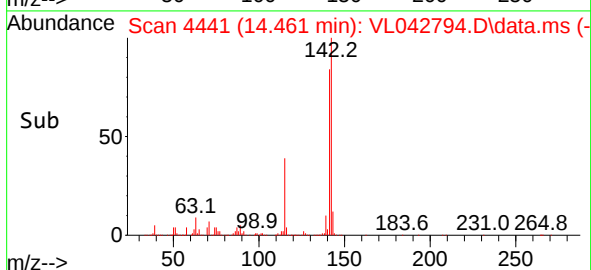
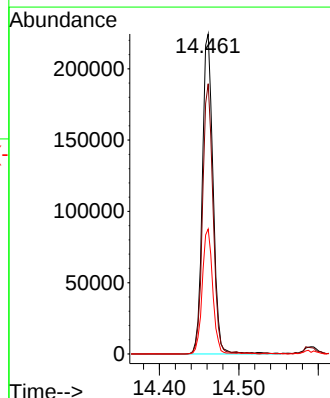
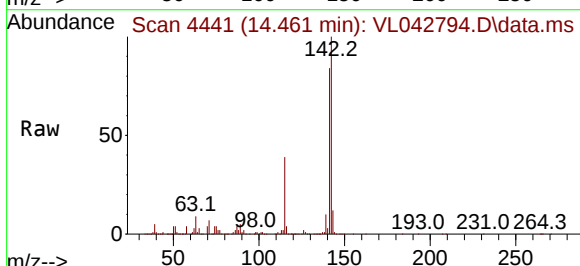
Tgt Ion:142 Resp: 210490

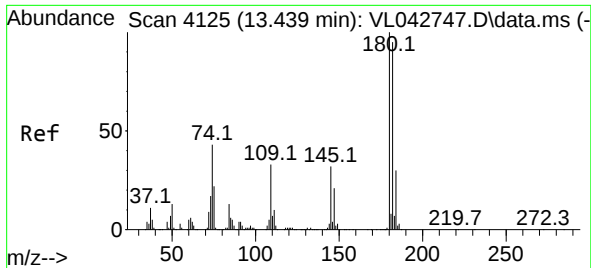
Ion Ratio Lower Upper

142 100

141 83.5 65.8 98.8

115 38.7 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.803 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042794.D

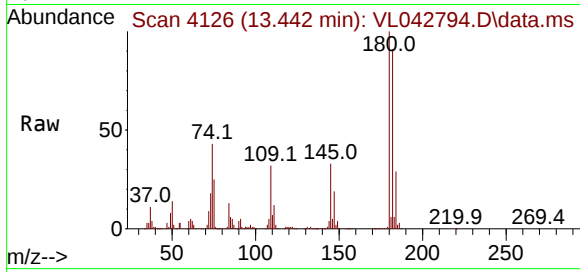
Acq: 31 Jul 2025 13:55

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABSD01



Tgt Ion:180 Resp: 310917

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

184 30.5 24.8 37.2

