

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042941.D
 Acq On : 18 Sep 2025 11:37
 Operator : SY/MD
 Sample : VL0918ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 01:23:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	153054	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	390717	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	338982	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	281492	10.624	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	228079	10.433	ppbv	98
3) Chlorodifluoromethane	1.476	51	237599	10.322	ppbv	100
4) Chloromethane	1.534	50	89825	10.224	ppbv	99
5) Vinyl Chloride	1.583	62	77786	9.385	ppbv	96
6) Bromomethane	1.670	94	28526	9.903	ppbv	93
7) Chloroethane	1.706	64	32539	10.658	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	179771	10.364	ppbv	100
9) Propene	1.486	41	84929	10.104	ppbv	100
10) Heptane	4.988	43	249544	11.981	ppbv	99
11) Trichlorofluoromethane	1.881	101	224470	10.394	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	170818	10.124	ppbv	98
13) Ethanol	1.722	45	5889	6.871	ppbv	98
14) Bromoethene	1.784	108	59427	9.886	ppbv	99
15) Acetone	1.835	43	165848	8.822	ppbv	98
16) 1,3-Butadiene	1.612	39	79093	10.058	ppbv	100
17) tert-Butyl alcohol	2.043	59	183345	10.128	ppbv	98
18) 1,1-Dichloroethene	2.036	96	75671	10.246	ppbv	92
19) Isopropyl Alcohol	1.887	45	97063	9.630	ppbv	100
20) Methylene Chloride	2.065	84	68012	8.309	ppbv	97
21) Allyl Chloride	2.098	41	131371	10.309	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	84781	10.128	ppbv	98
23) Vinyl Acetate	2.467	43	226994	10.392	ppbv	99
24) 1,1-Dichloroethane	2.412	63	171618	10.378	ppbv	99
25) Ethyl Acetate	2.839	43	445948	11.109	ppbv	99
26) Hexane	2.829	57	197323	11.454	ppbv	98
27) Carbon Disulfide	2.153	76	216934	10.209	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	88801	9.381	ppbv	98
29) Chloroform	2.852	83	294191	10.447	ppbv	96
30) Cyclohexane	3.862	84	158792	12.235	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	179233	10.656	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	270002	10.248	ppbv	100
34) 2-Butanone	2.560	43	271054	10.702	ppbv	99
35) Carbon Tetrachloride	3.768	117	281584	10.138	ppbv	100
36) Benzene	3.661	78	371532	10.901	ppbv	98
37) 1,2-Dichloroethane	3.221	62	213484	10.459	ppbv	99
38) Trichloroethene	4.557	130	161541	10.471	ppbv	98
39) 1,2-Dichloropropane	4.321	63	144142	10.465	ppbv	97
40) 1,4-Dioxane	4.587	88	56448	11.547	ppbv #	99
41) Tetrahydrofuran	3.056	42	150835	12.034	ppbv	97
42) Bromodichloromethane	4.496	83	314071	10.722	ppbv	97
43) Methyl Methacrylate	4.888	69	143081	12.539	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	677873	11.925	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	141047	11.723	ppbv	99

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

Instrument :
 MSVOA_L
 ClientSampleId :

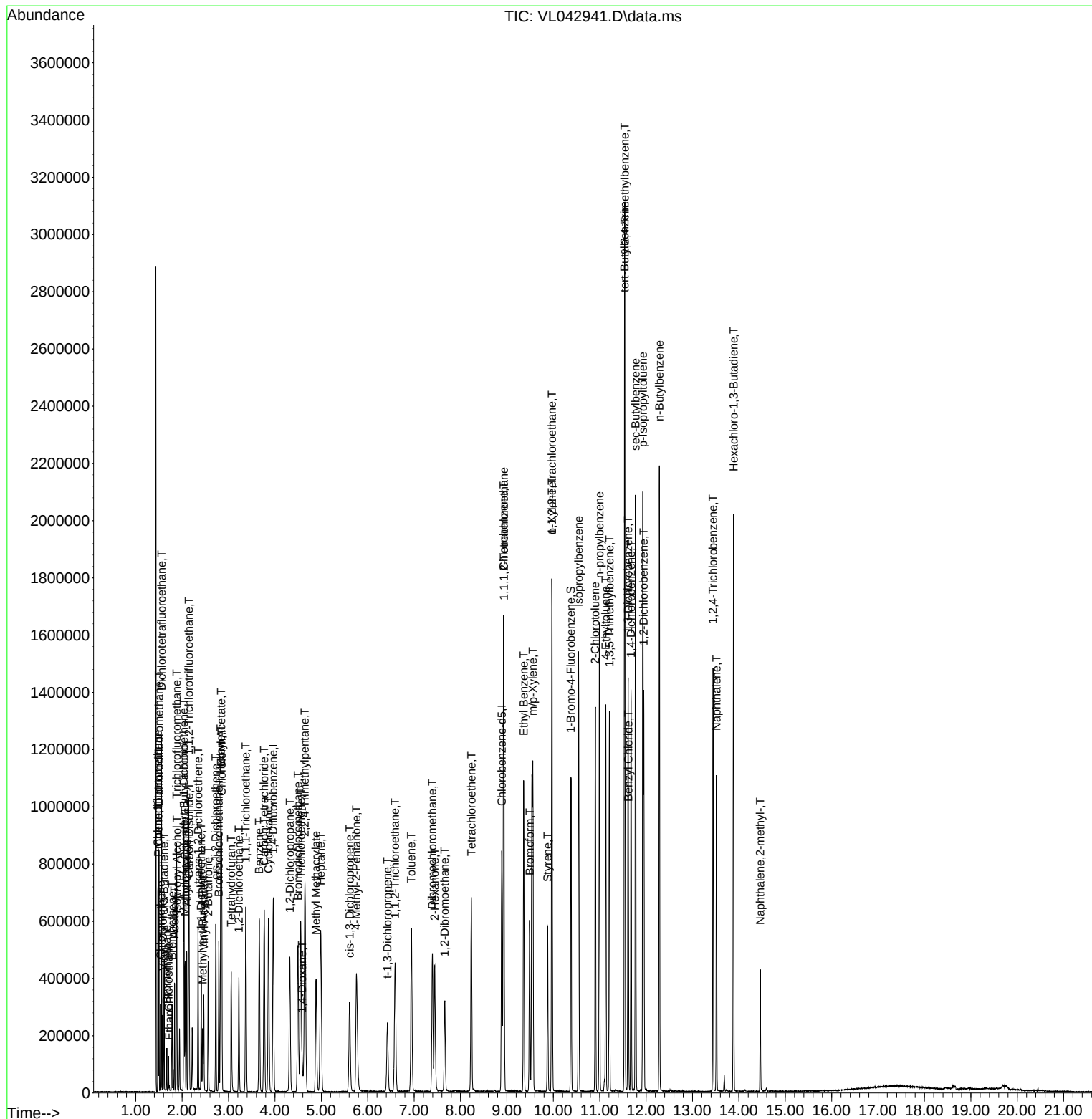
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

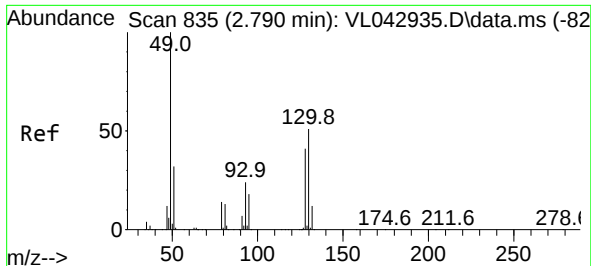
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	194163	11.706	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	153417	10.923	ppbv	95
48) Dibromochloromethane	7.393	129	237584	10.801	ppbv	98
49) Bromoform	9.490	173	191061	11.129	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	380109	12.552	ppbv	99
51) 2-Hexanone	7.445	43	296508	13.184	ppbv #	100
52) Tetrachloroethene	8.234	164	112059	10.663	ppbv	96
53) Toluene	6.940	91	408066	12.840	ppbv	100
54) 1,2-Dibromoethane	7.661	107	205553	11.377	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	183300	10.614	ppbv	99
57) Chlorobenzene	8.930	112	335255	10.700	ppbv	98
58) Ethyl Benzene	9.361	91	573488	13.132	ppbv	97
59) m/p-Xylene	9.558	91	460767	12.485	ppbv #	26
60) o-Xylene	9.969	91	485622	13.235	ppbv	100
61) Styrene	9.878	104	192241	10.125	ppbv	99
62) Isopropylbenzene	10.545	105	682870	12.776	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	281454	10.618	ppbv	98
64) n-propylbenzene	10.995	120	177873	12.836	ppbv	100
65) tert-Butylbenzene	11.536	119	607942	13.311	ppbv	100
66) Benzyl Chloride	11.620	91	54469	12.834	ppbv	100
67) sec-Butylbenzene	11.772	105	903631	13.004	ppbv	99
69) p-Isopropyltoluene	11.931	119	724872	13.536	ppbv	100
70) n-Butylbenzene	12.287	91	779794	10.868	ppbv	99
71) 2-Chlorotoluene	10.905	91	519187	13.091	ppbv	99
72) 4-Ethyltoluene	11.131	105	581465	10.474	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	482220	13.284	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	557969	13.080	ppbv #	88
75) 1,3-Dichlorobenzene	11.613	146	318678	11.783	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	316399	12.160	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	313725	11.497	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	181815	10.433	ppbv	99
79) Naphthalene	13.516	128	460449	10.255	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	103880	7.532	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	220342	10.226	ppbv	99

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 19 01:23:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

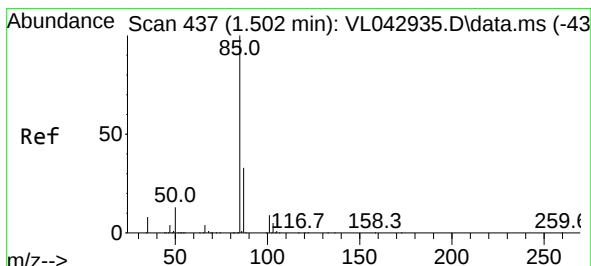
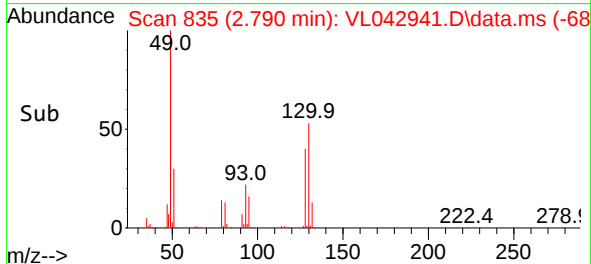
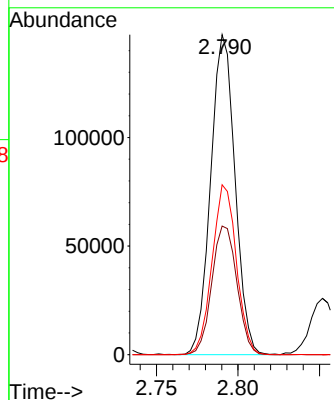
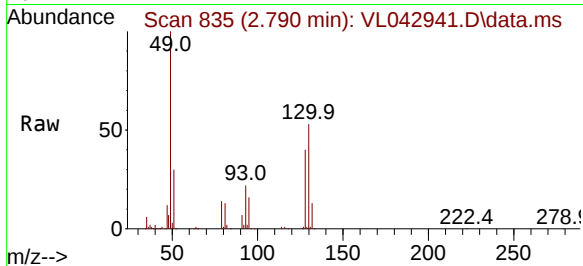




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

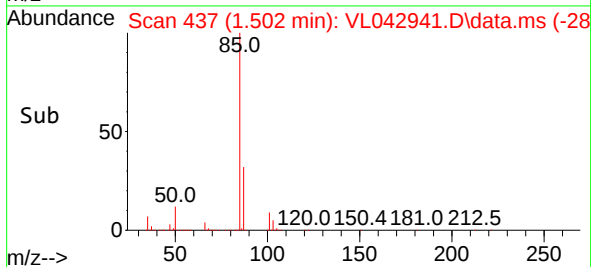
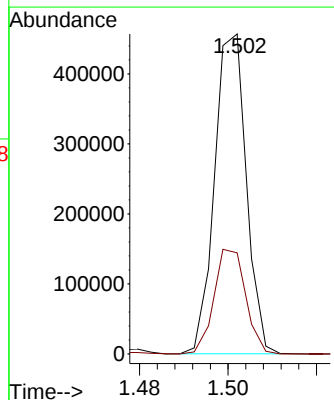
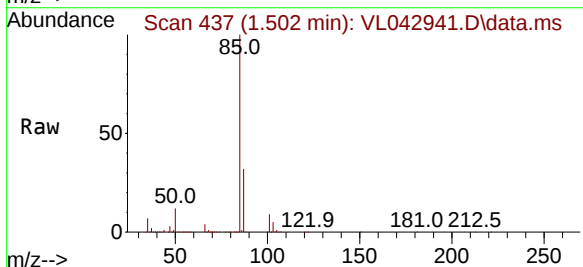
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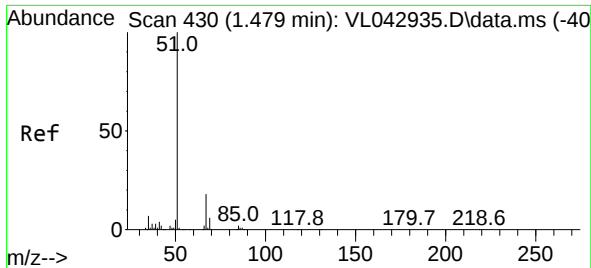
Tgt Ion: 49 Resp: 153054
 Ion Ratio Lower Upper
 49 100
 128 41.5 21.1 63.4
 130 52.9 26.4 79.2



#2
 Dichlorodifluoromethane
 Concen: 10.433 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 85 Resp: 228079
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.1 39.1

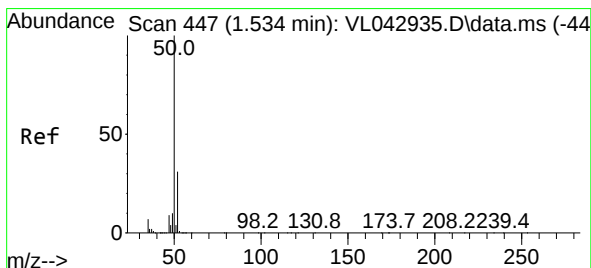
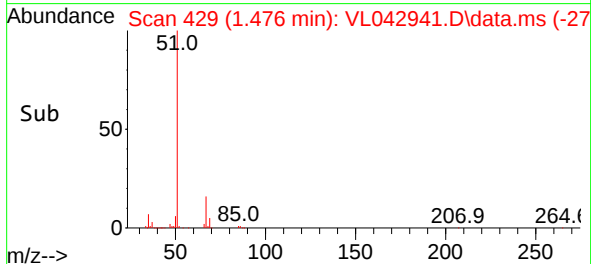
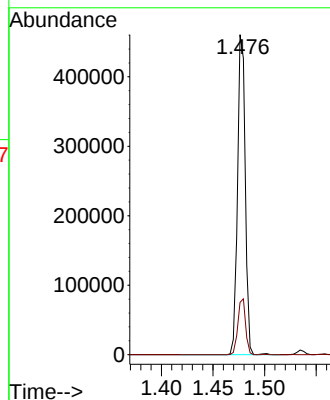
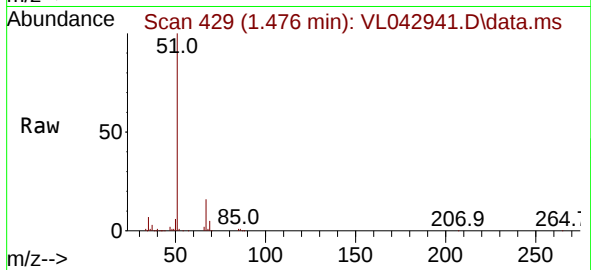




#3
Chlorodifluoromethane
Concen: 10.322 ppbv
RT: 1.476 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

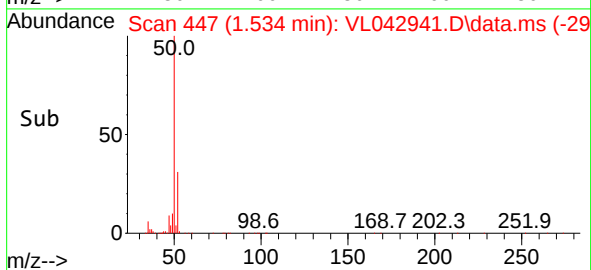
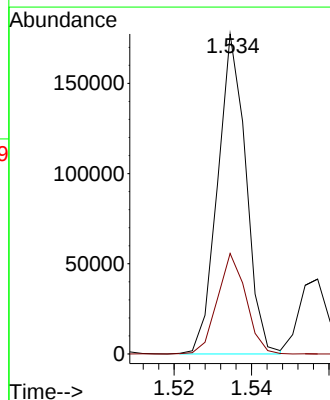
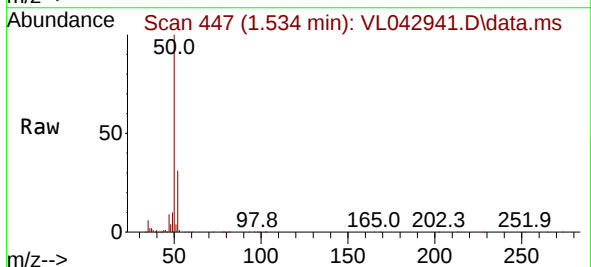
Instrument :
MSVOA_L
ClientSampleId :

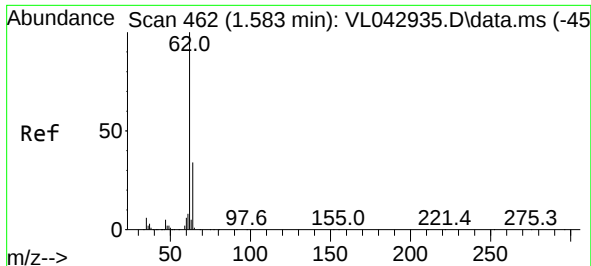
Tgt Ion: 51 Resp: 237599
Ion Ratio Lower Upper
51 100
67 17.6 14.1 21.1



#4
Chloromethane
Concen: 10.224 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 50 Resp: 89825
Ion Ratio Lower Upper
50 100
52 31.3 24.6 36.8

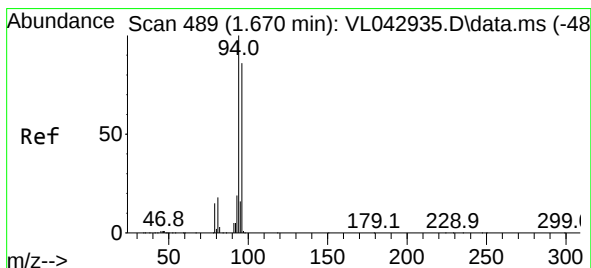
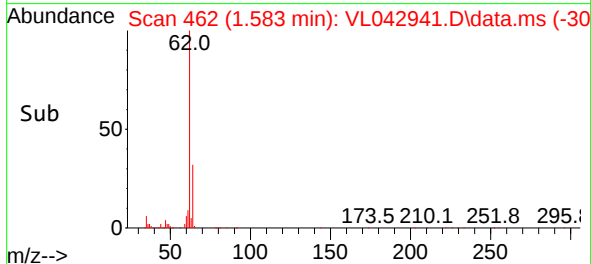
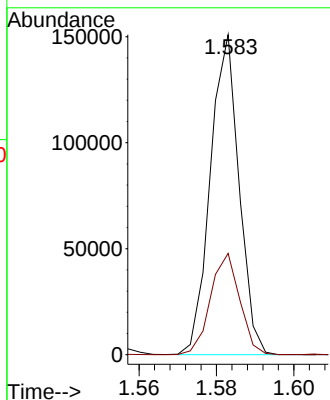
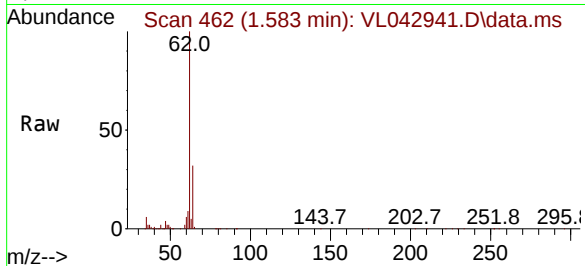




#5
 Vinyl Chloride
 Concen: 9.385 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

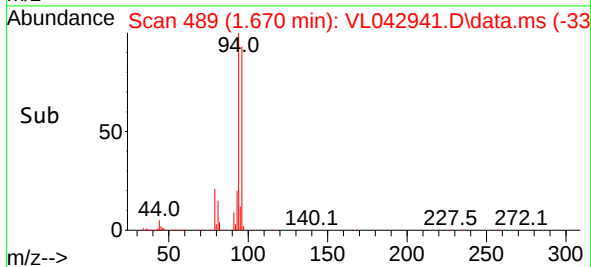
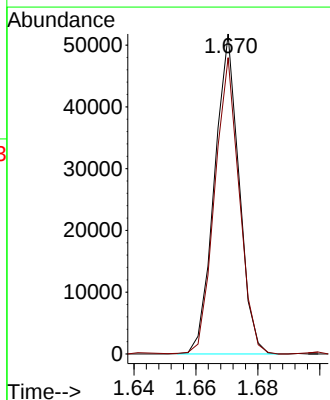
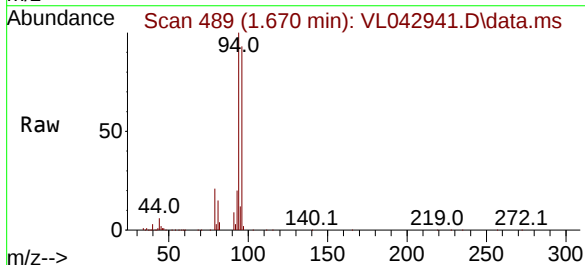
Instrument :
 MSVOA_L
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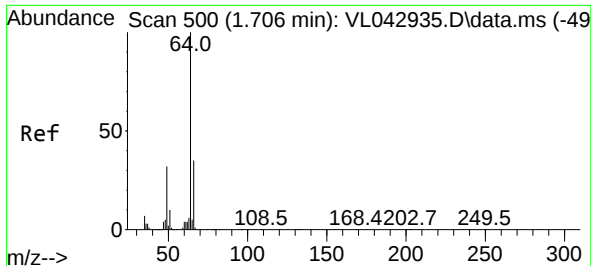
Tgt Ion: 62 Resp: 77786
 Ion Ratio Lower Upper
 62 100
 64 31.6 27.0 40.6



#6
 Bromomethane
 Concen: 9.903 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 94 Resp: 28526
 Ion Ratio Lower Upper
 94 100
 96 92.6 68.6 103.0

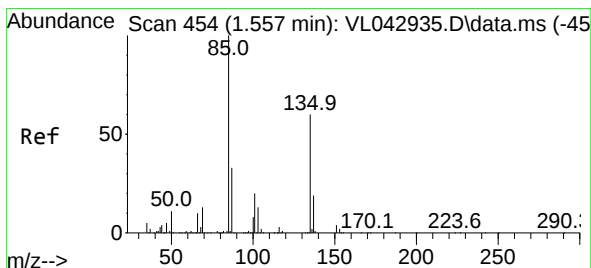
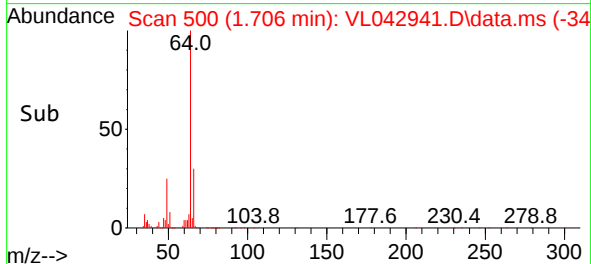
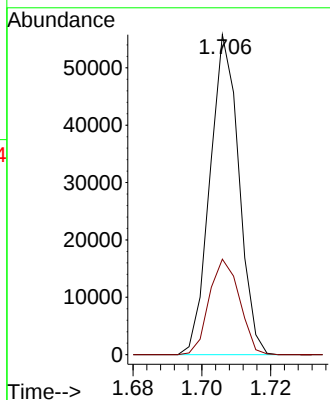
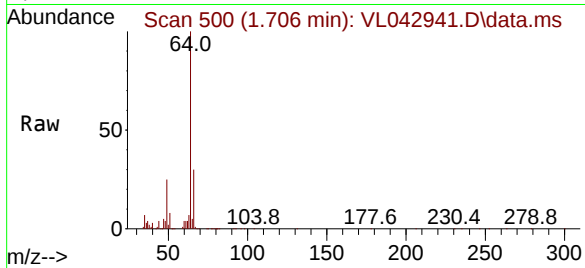




#7
Chloroethane
Concen: 10.658 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

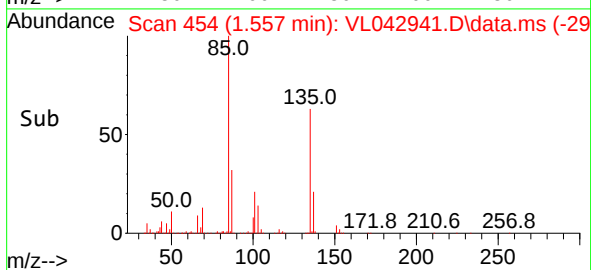
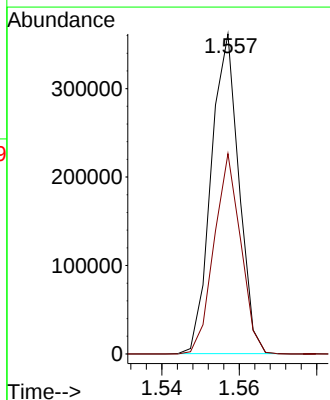
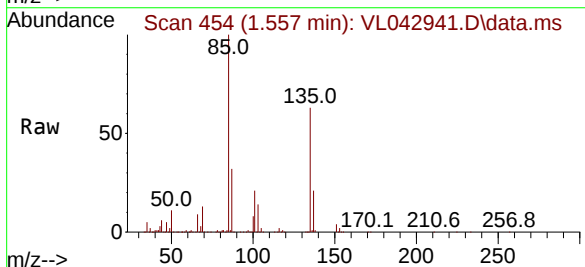
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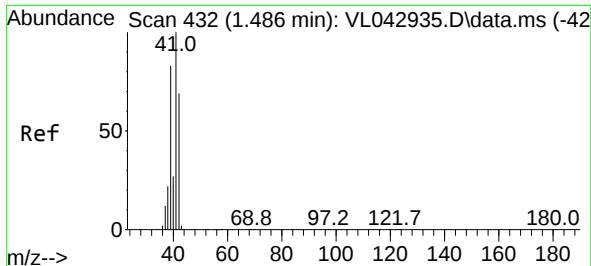
Tgt Ion: 64 Resp: 32539
Ion Ratio Lower Upper
64 100
66 29.9 27.9 41.9



#8
Dichlorotetrafluoroethane
Concen: 10.364 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 85 Resp: 179771
Ion Ratio Lower Upper
85 100
135 60.4 48.1 72.1





#9

Propene

Concen: 10.104 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

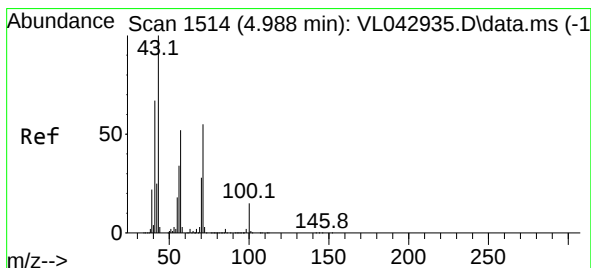
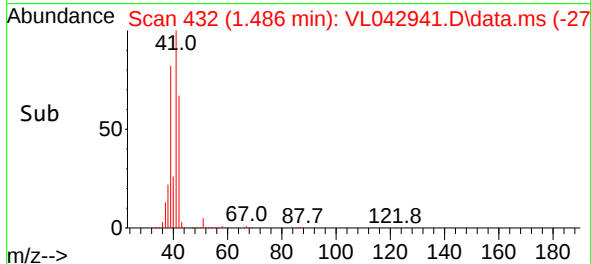
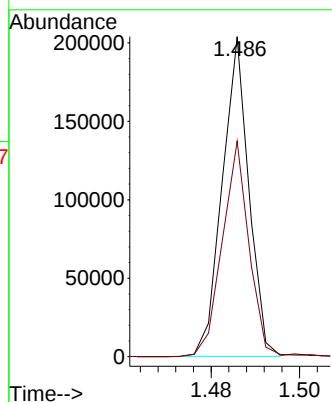
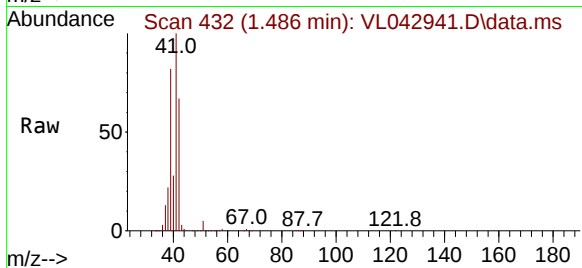
ClientSampleId :

Tgt Ion: 41 Resp: 84929

Ion Ratio Lower Upper

41 100

42 68.4 55.0 82.4



#10

Heptane

Concen: 11.981 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL042941.D

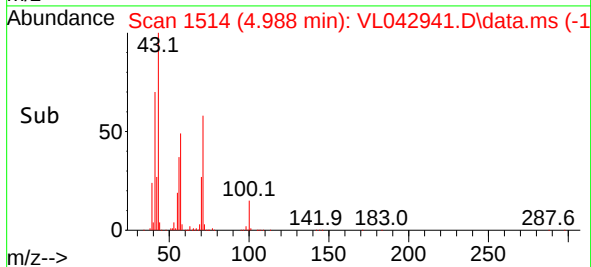
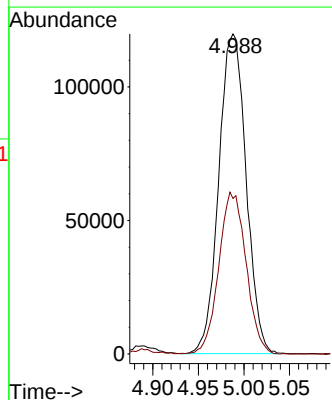
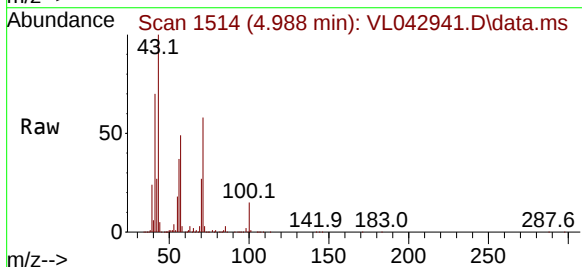
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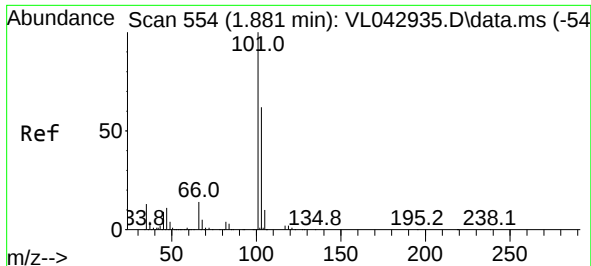
Tgt Ion: 43 Resp: 249544

Ion Ratio Lower Upper

43 100

57 50.7 39.8 59.8

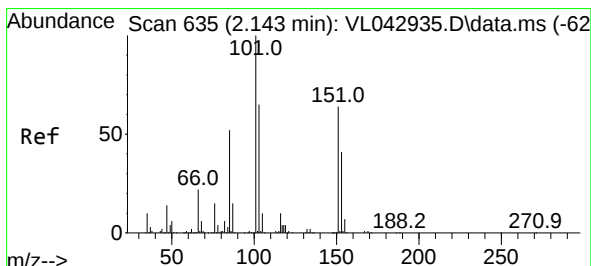
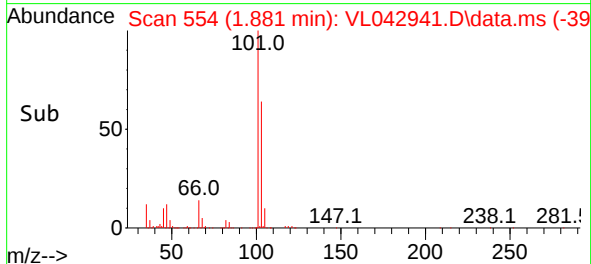
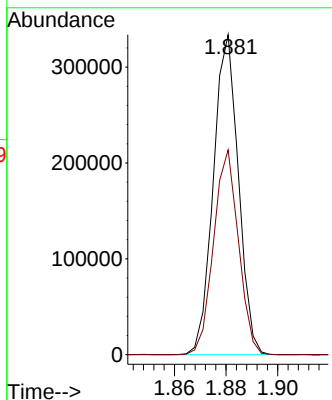
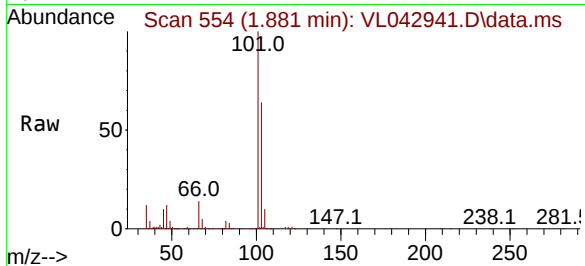




#11
 Trichlorofluoromethane
 Concen: 10.394 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

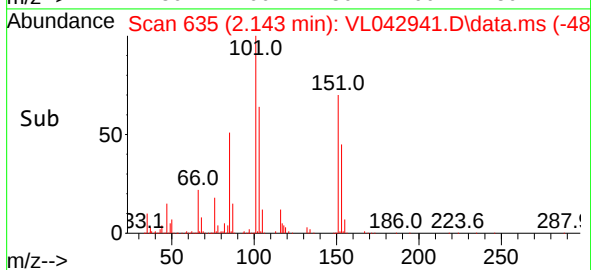
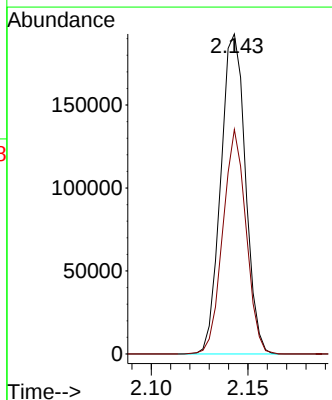
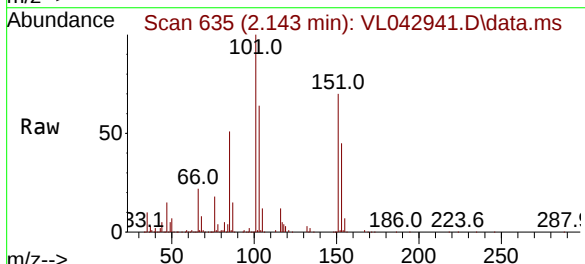
Instrument :
 MSVOA_L
 ClientSampleId :

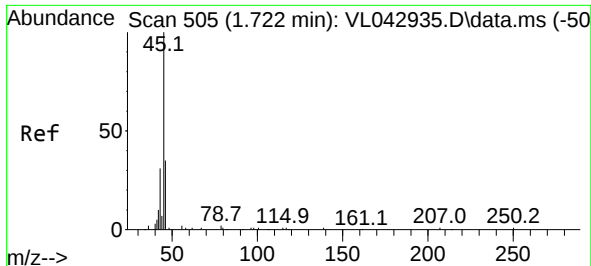
Tgt Ion:101 Resp: 224470
 Ion Ratio Lower Upper
 101 100
 103 64.0 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.124 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion:101 Resp: 170818
 Ion Ratio Lower Upper
 101 100
 151 66.2 51.9 77.9

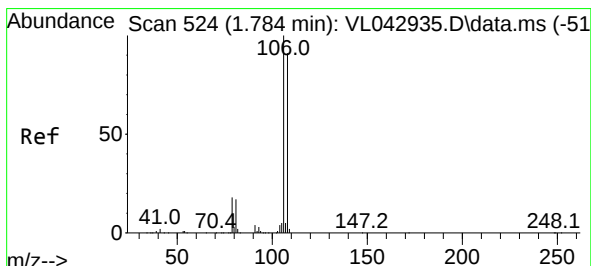
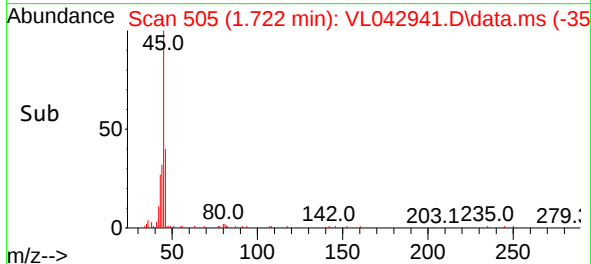
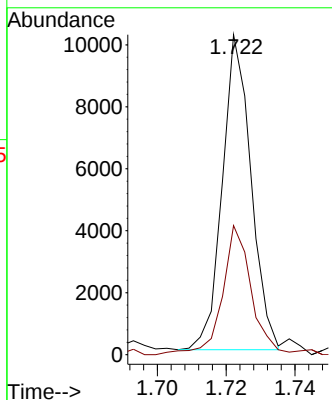
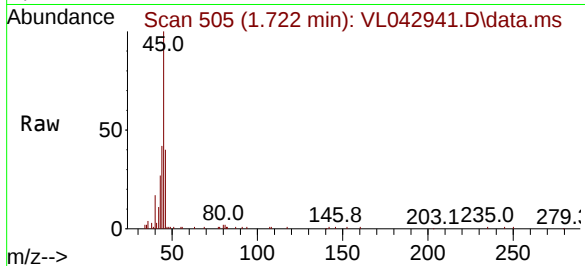




#13
Ethanol
Concen: 6.871 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

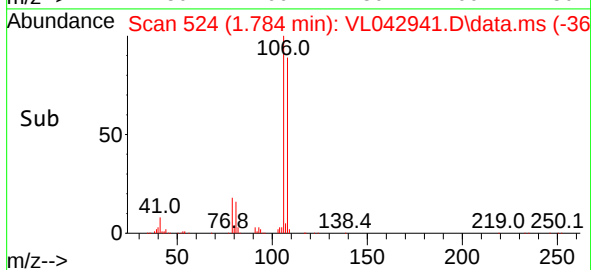
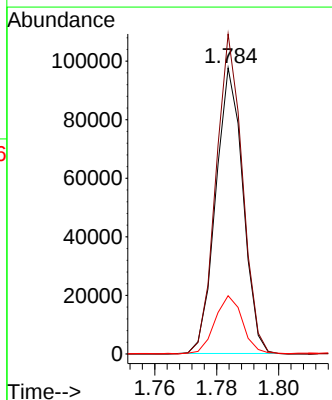
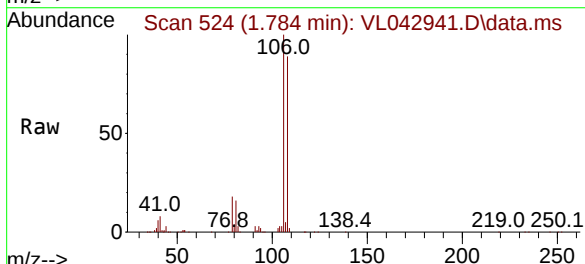
Instrument :
MSVOA_L
ClientSampleId :

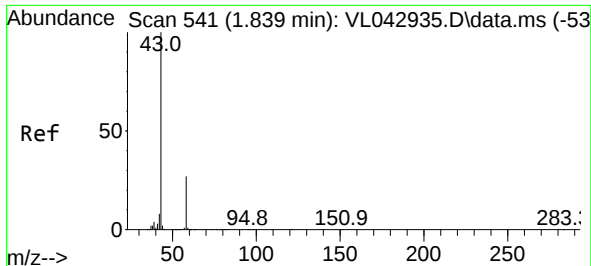
Tgt Ion: 45 Resp: 5889
Ion Ratio Lower Upper
45 100
46 42.3 16.5 66.1



#14
Bromoethene
Concen: 9.886 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 108 Resp: 59427
Ion Ratio Lower Upper
108 100
106 109.0 86.0 129.0
79 22.2 17.2 25.8

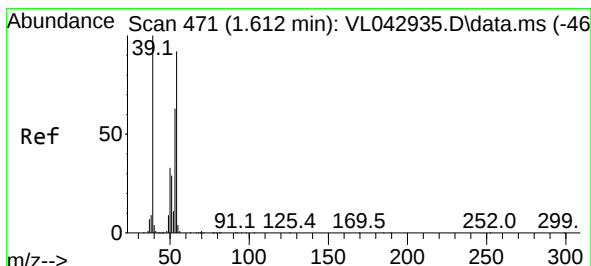
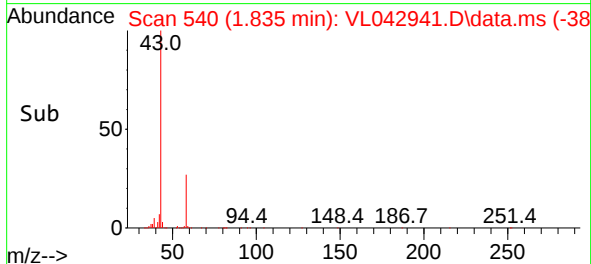
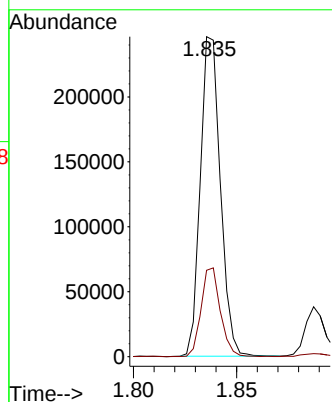
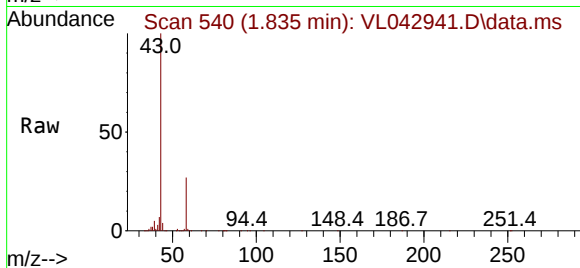




#15
Acetone
Concen: 8.822 ppbv
RT: 1.835 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

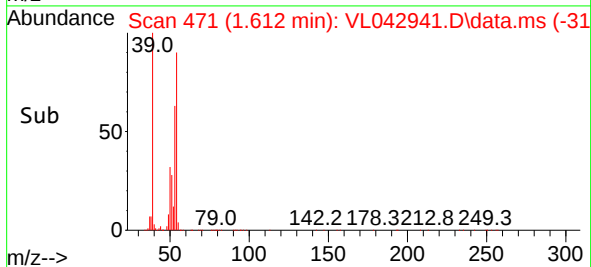
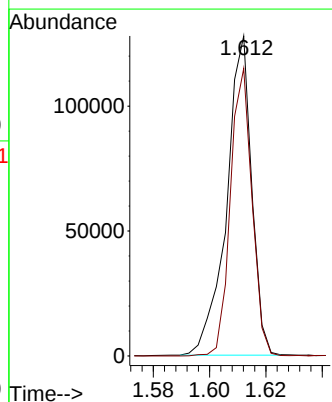
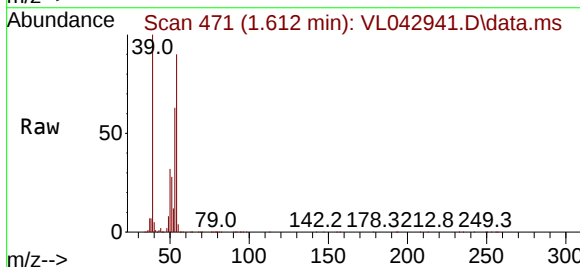
Instrument :
MSVOA_L
ClientSampleId :

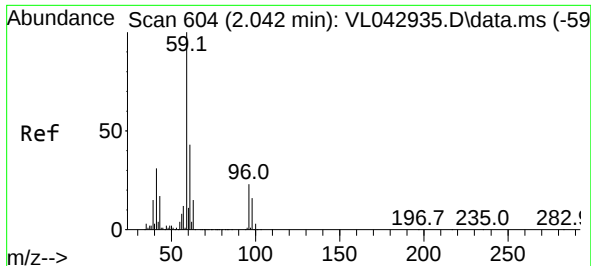
Tgt Ion: 43 Resp: 165848
Ion Ratio Lower Upper
43 100
58 26.9 22.2 33.2



#16
1,3-Butadiene
Concen: 10.058 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 39 Resp: 79093
Ion Ratio Lower Upper
39 100
54 77.5 62.2 93.4





#17

tert-Butyl alcohol

Concen: 10.128 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

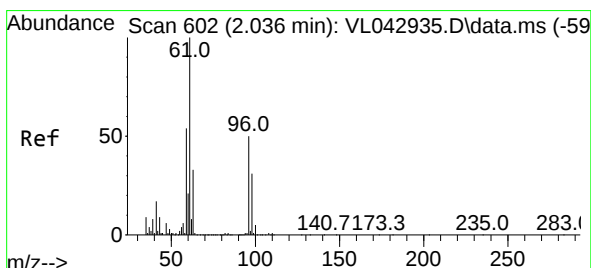
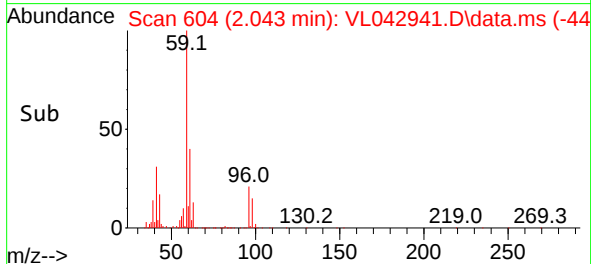
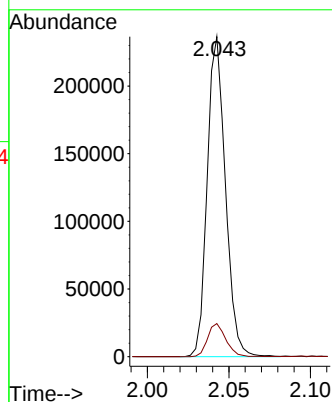
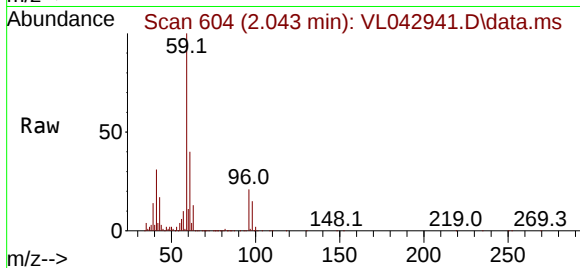
ClientSampleId :

Tgt Ion: 59 Resp: 183345

Ion Ratio Lower Upper

59 100

57 10.4 9.0 13.6



#18

1,1-Dichloroethene

Concen: 10.246 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

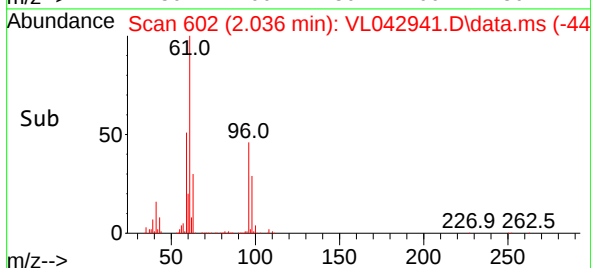
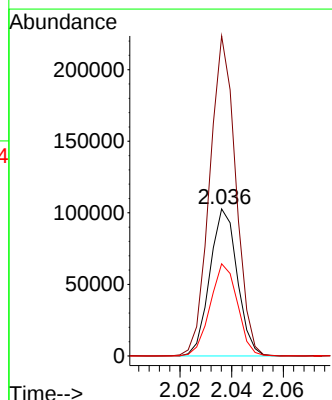
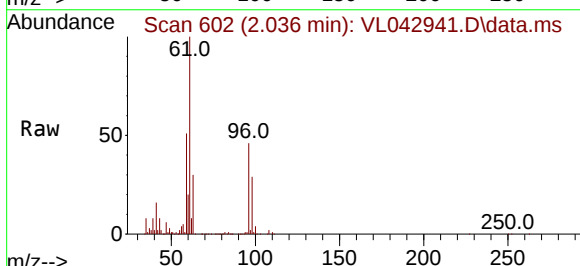
Tgt Ion: 96 Resp: 75671

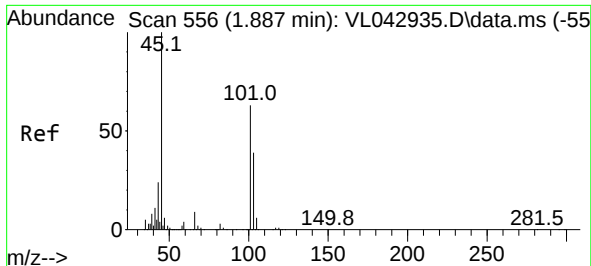
Ion Ratio Lower Upper

96 100

61 217.6 161.1 241.7

98 62.6 50.7 76.1

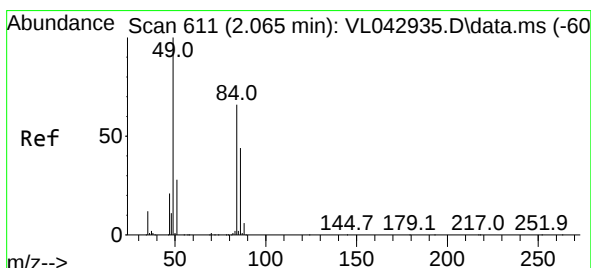
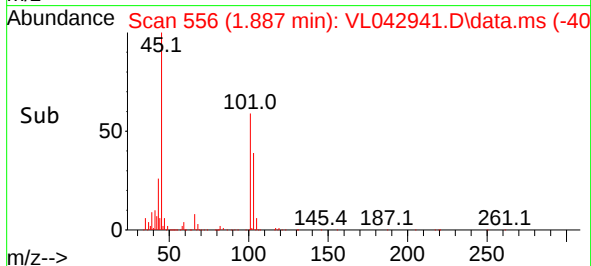
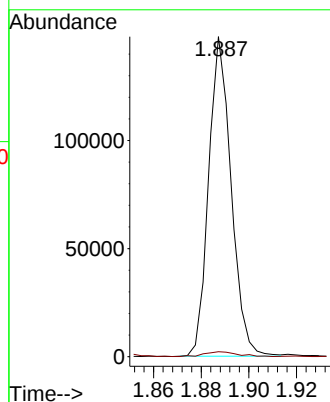
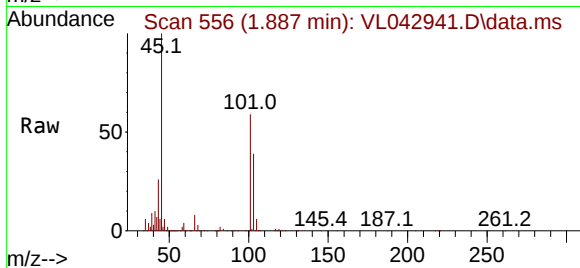




#19
Isopropyl Alcohol
Concen: 9.630 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

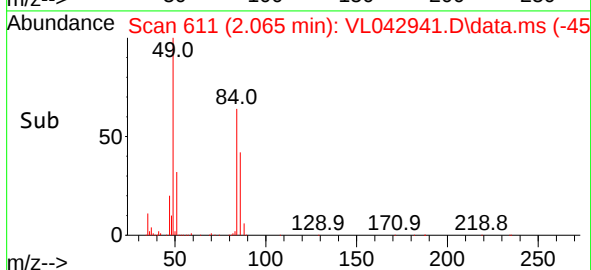
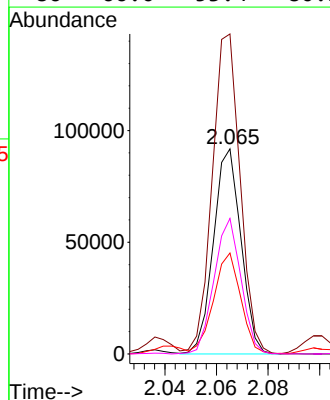
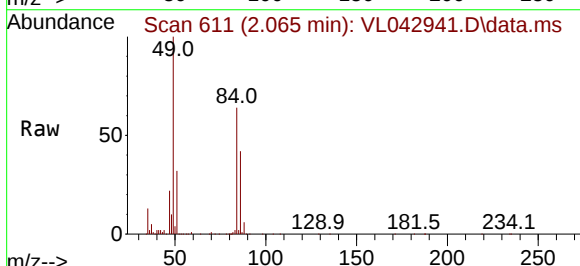
Instrument :
MSVOA_L
ClientSampleId :

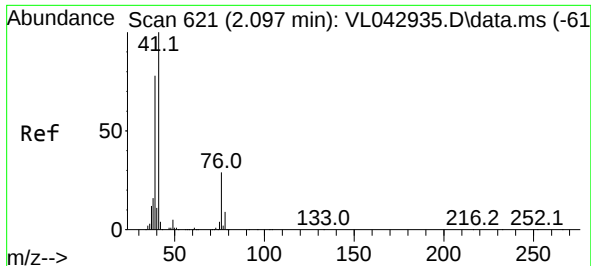
Tgt Ion: 45 Resp: 97063
Ion Ratio Lower Upper
45 100
58 2.6 2.0 3.0



#20
Methylene Chloride
Concen: 8.309 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 84 Resp: 68012
Ion Ratio Lower Upper
84 100
49 155.9 121.8 182.6
51 48.9 35.6 53.4
86 66.0 53.4 80.2

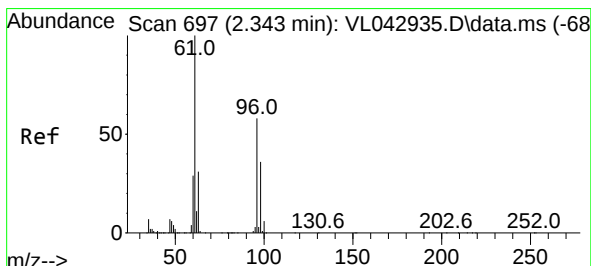
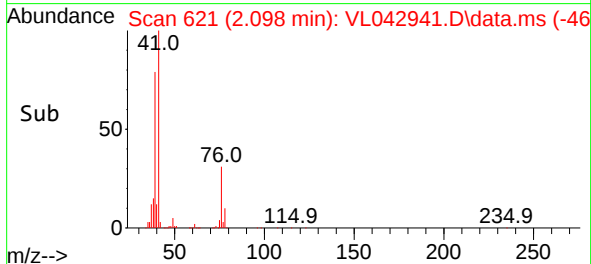
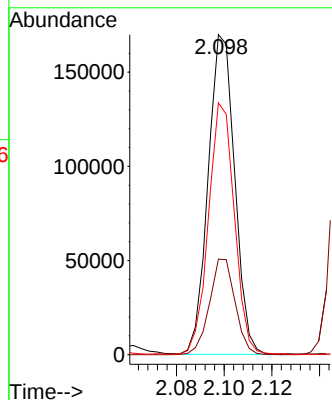
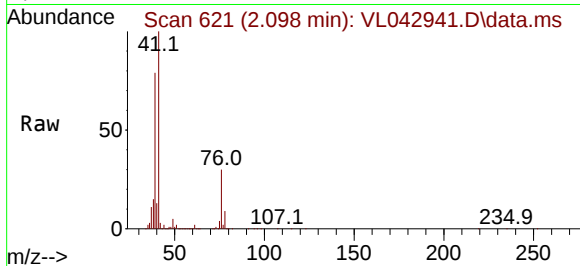




#21
 Allyl Chloride
 Concen: 10.309 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

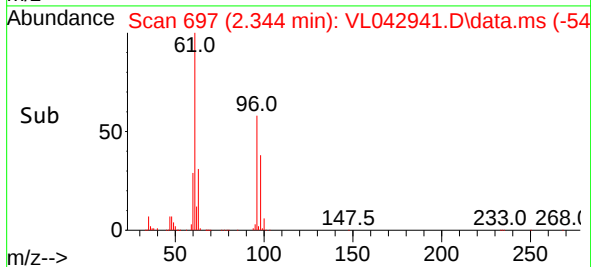
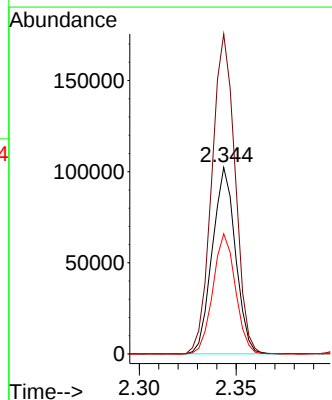
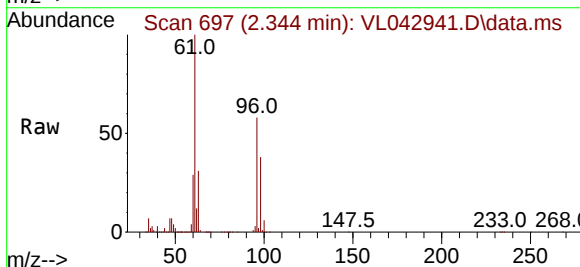
Instrument :
 MSVOA_L
 ClientSampleId :

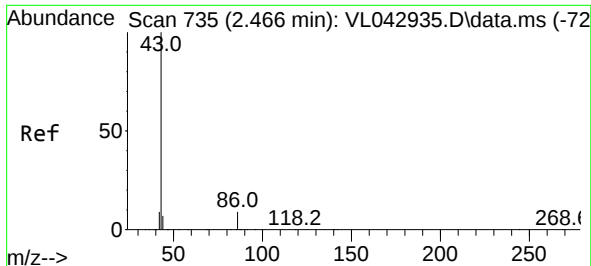
Tgt Ion: 41 Resp: 131371
 Ion Ratio Lower Upper
 41 100
 76 28.9 23.8 35.6
 39 76.7 63.2 94.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.128 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

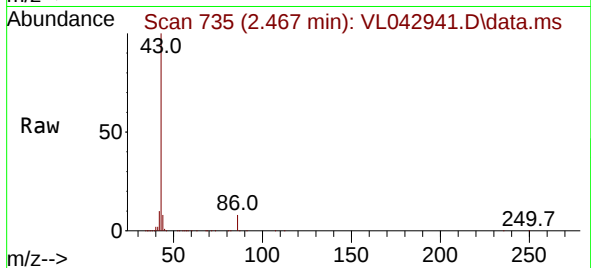
Tgt Ion: 96 Resp: 84781
 Ion Ratio Lower Upper
 96 100
 61 171.6 139.0 208.6
 98 64.4 49.4 74.2





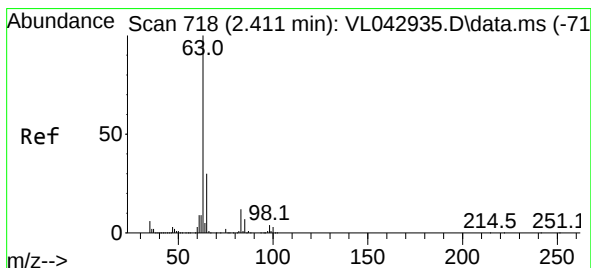
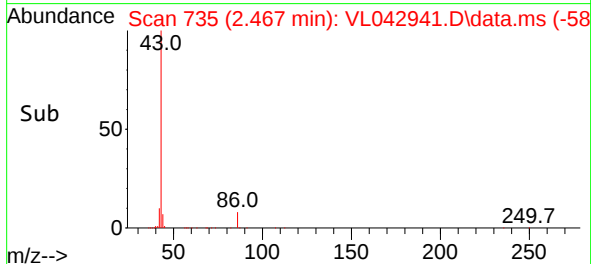
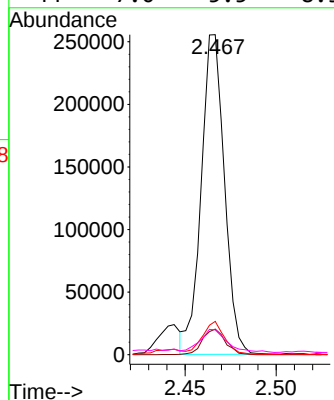
#23
 Vinyl Acetate
 Concen: 10.392 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 226994

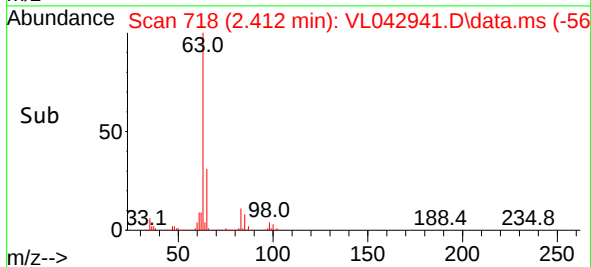
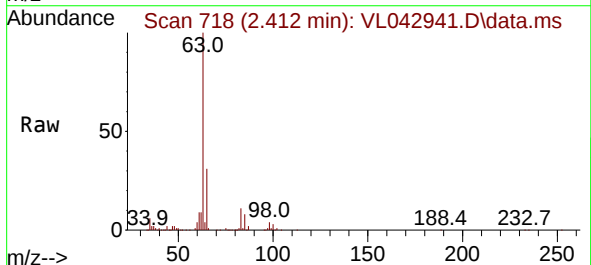
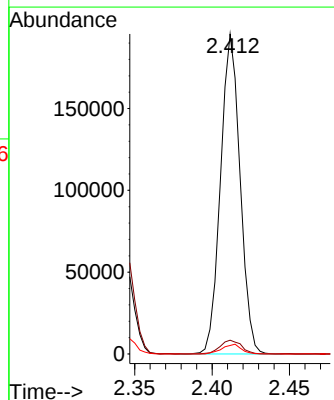
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.4	9.6
42	10.3	7.5	11.3
44	7.0	5.5	8.3

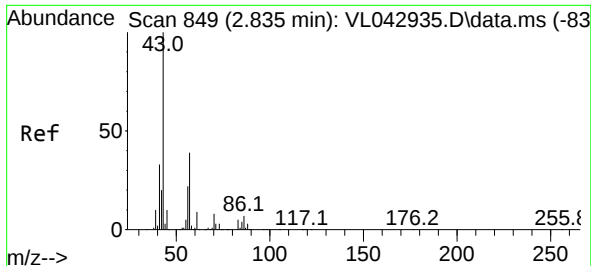


#24
 1,1-Dichloroethane
 Concen: 10.378 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 63 Resp: 171618

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.2	6.6
100	2.7	1.7	5.1





#25

Ethyl Acetate

Concen: 11.109 ppbv

RT: 2.839 min Scan# 849

Delta R.T. 0.003 min

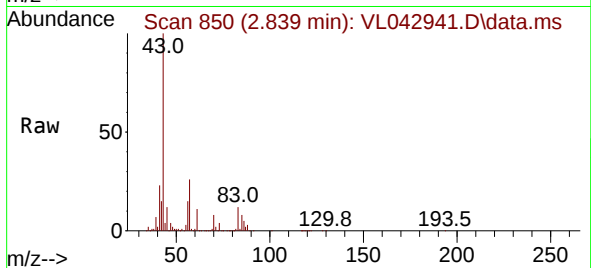
Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 445948

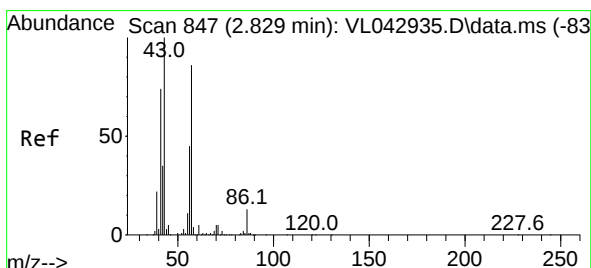
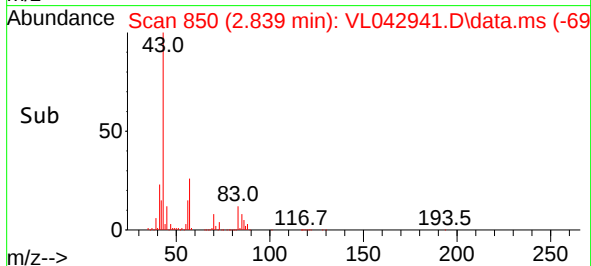
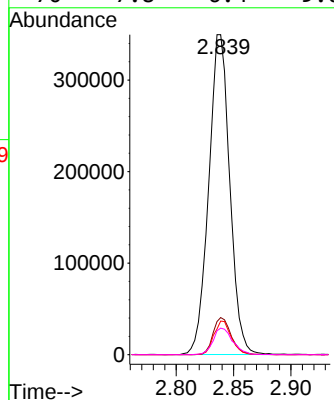
Ion Ratio Lower Upper

43 100

45 10.0 7.8 11.8

61 8.8 7.2 10.8

70 7.8 6.4 9.6



#26

Hexane

Concen: 11.454 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Tgt Ion: 57 Resp: 197323

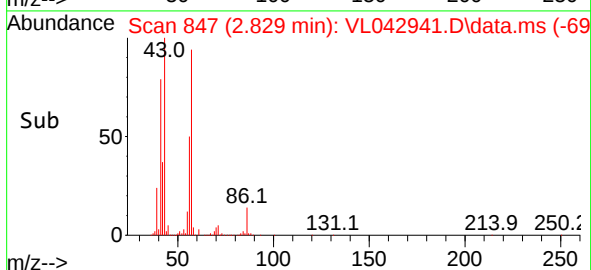
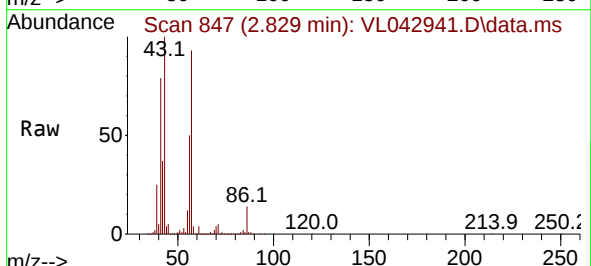
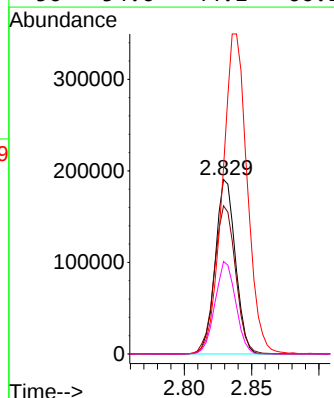
Ion Ratio Lower Upper

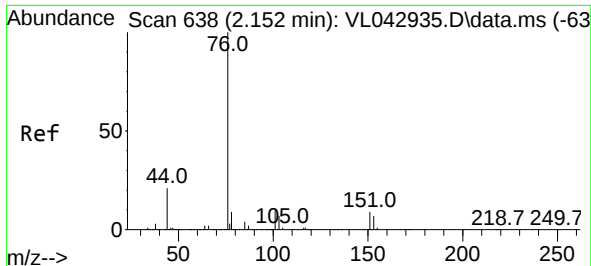
57 100

41 90.9 71.3 106.9

43 226.2 183.9 275.9

56 54.6 44.1 66.1

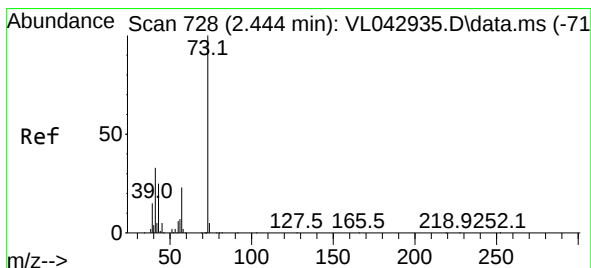
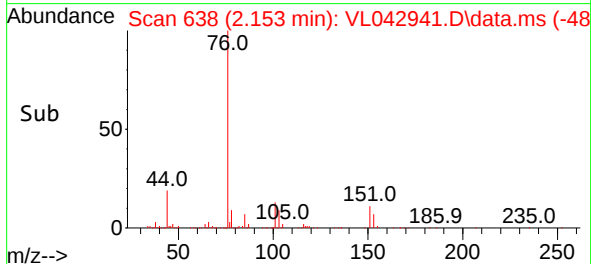
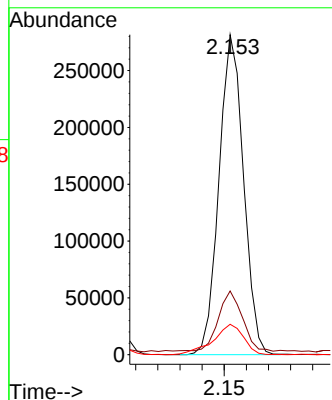
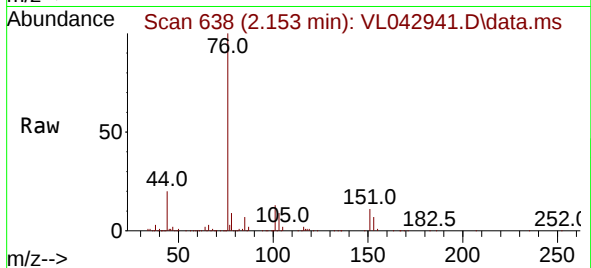




#27
Carbon Disulfide
Concen: 10.209 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

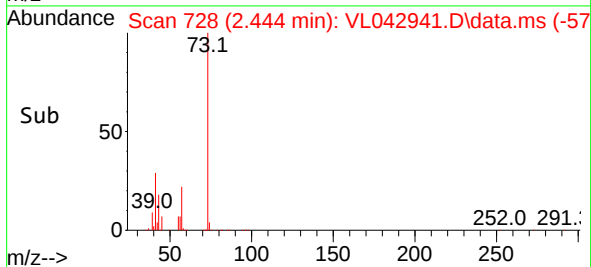
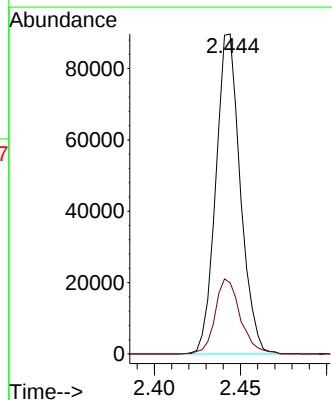
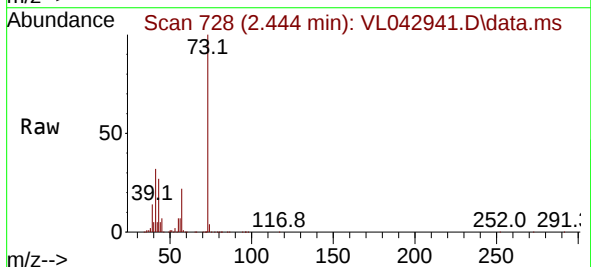
Instrument :
MSVOA_L
ClientSampleId :

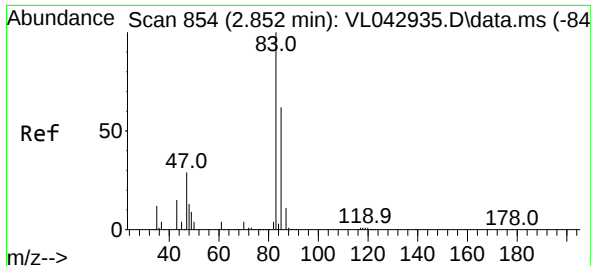
Tgt Ion: 76 Resp: 216934
Ion Ratio Lower Upper
76 100
44 19.1 15.4 23.0
78 11.7 9.1 13.7



#28
Methyl tert-Butyl Ether
Concen: 9.381 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 73 Resp: 88801
Ion Ratio Lower Upper
73 100
57 24.1 18.6 28.0





#29

Chloroform

Concen: 10.447 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

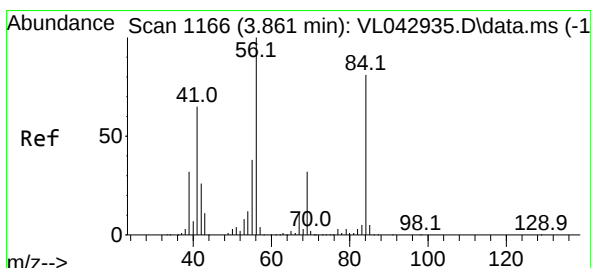
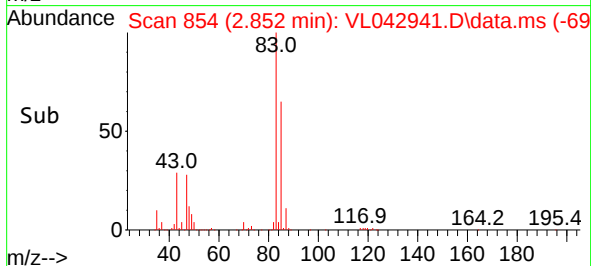
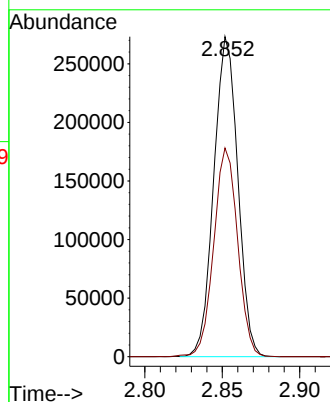
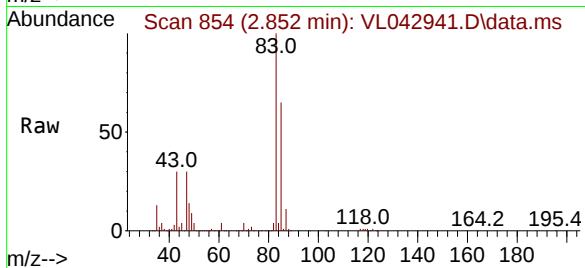
ClientSampleId :

Tgt Ion: 83 Resp: 294191

Ion Ratio Lower Upper

83 100

85 65.2 49.7 74.5



#30

Cyclohexane

Concen: 12.235 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

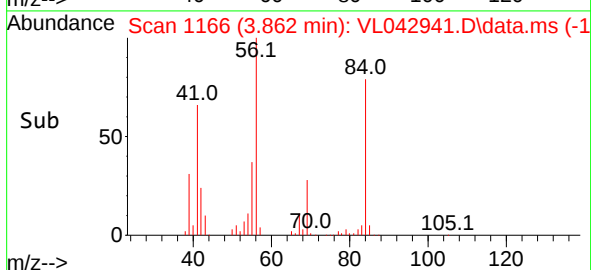
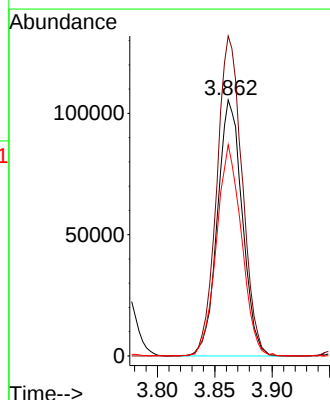
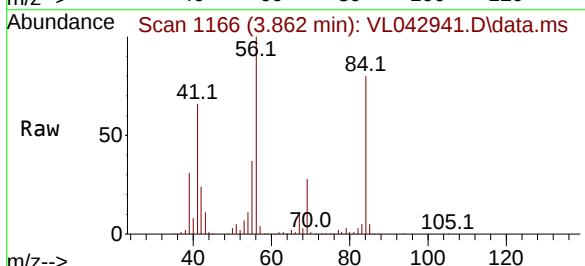
Tgt Ion: 84 Resp: 158792

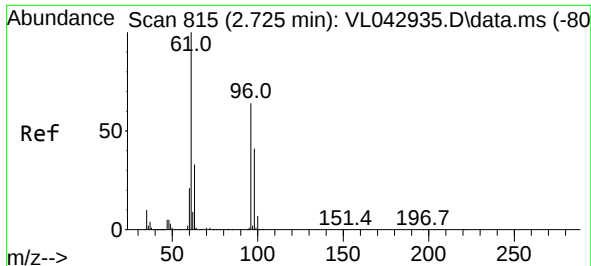
Ion Ratio Lower Upper

84 100

56 127.2 100.6 150.8

41 83.1 65.4 98.0

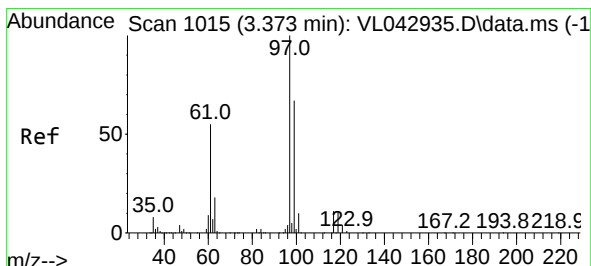
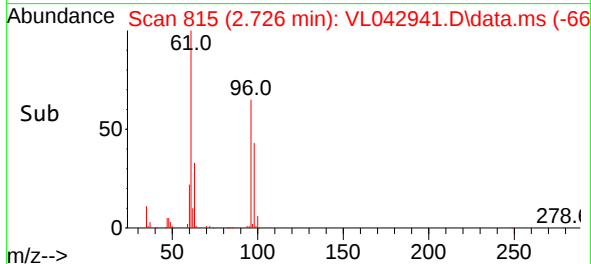
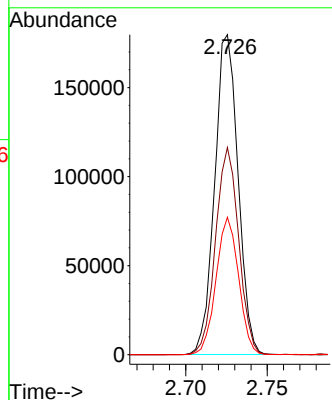
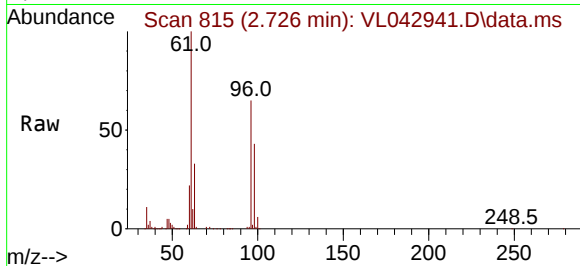




#31
 cis-1,2-Dichloroethene
 Concen: 10.656 ppbv
 RT: 2.726 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

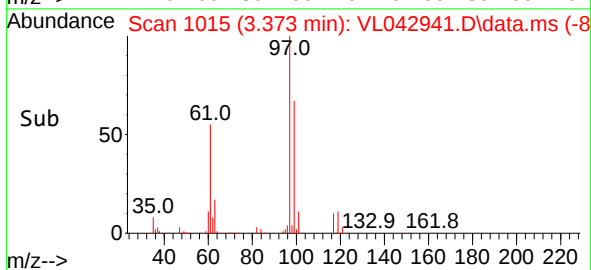
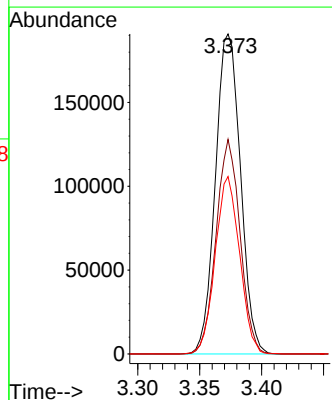
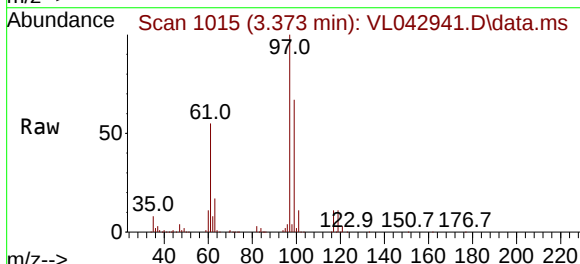
Instrument :
 MSVOA_L
 ClientSampleId :

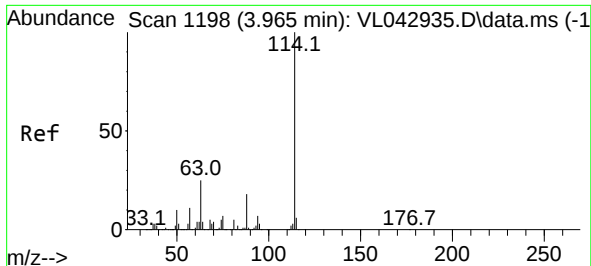
Tgt Ion: 61 Resp: 179233
 Ion Ratio Lower Upper
 61 100
 96 64.8 51.4 77.2
 98 43.0 32.8 49.2



#32
 1,1,1-Trichloroethane
 Concen: 10.248 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 97 Resp: 270002
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.4
 61 53.9 43.2 64.8

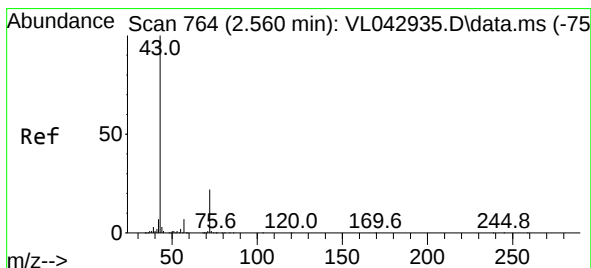
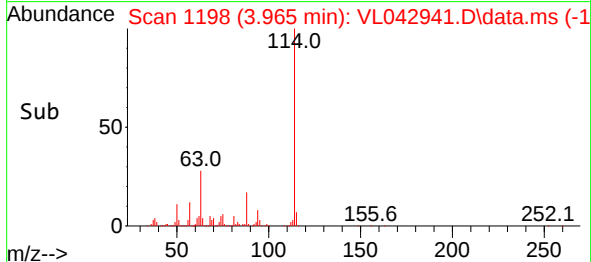
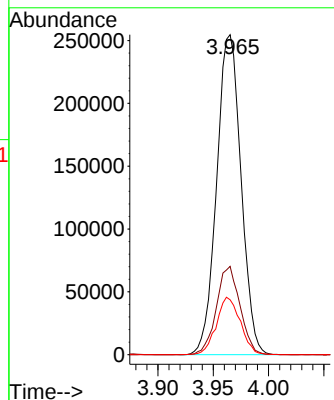
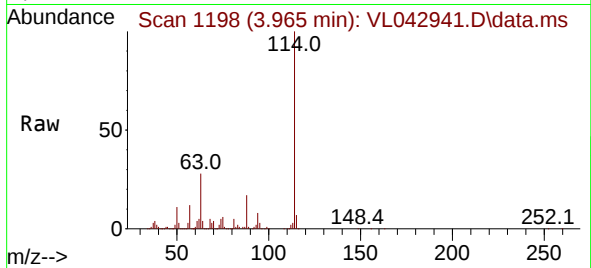




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

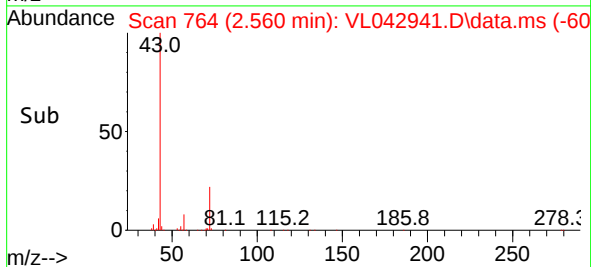
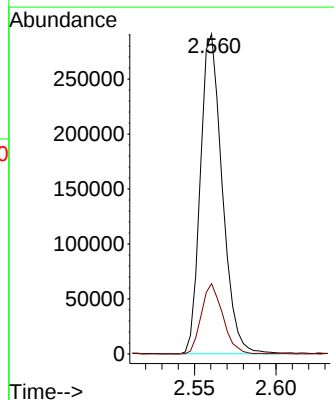
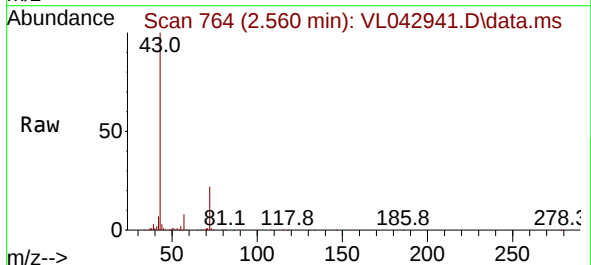
Instrument :
 MSVOA_L
 ClientSampleId :

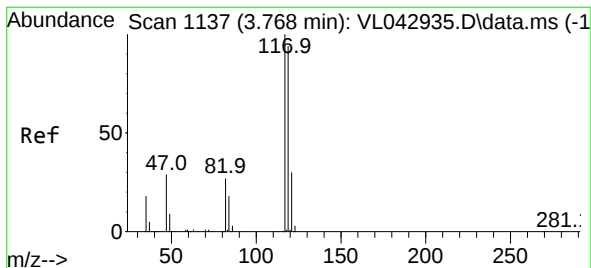
Tgt Ion:114 Resp: 390717
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.1 31.7
 88 17.6 14.6 22.0



#34
 2-Butanone
 Concen: 10.702 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 43 Resp: 271054
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.2 25.8





#35

Carbon Tetrachloride

Concen: 10.138 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

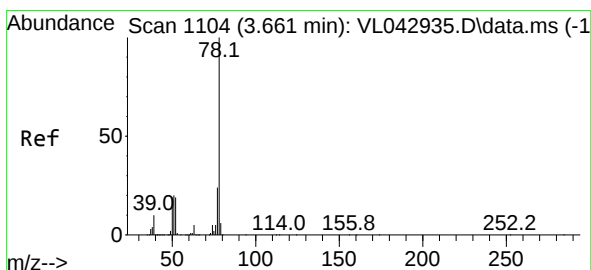
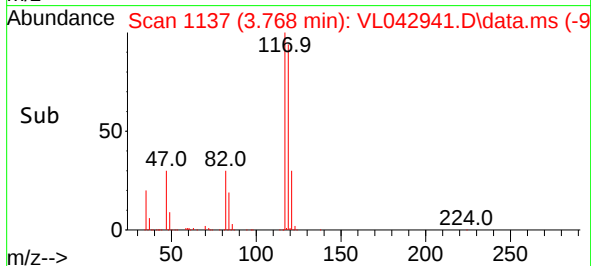
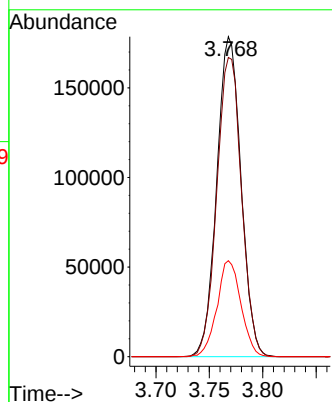
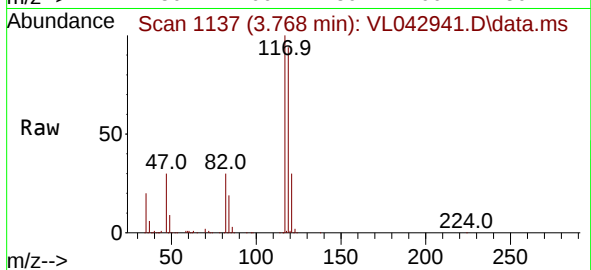
Tgt Ion:117 Resp: 281584

Ion Ratio Lower Upper

117 100

119 93.5 74.9 112.3

121 30.0 24.0 36.0



#36

Benzene

Concen: 10.901 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

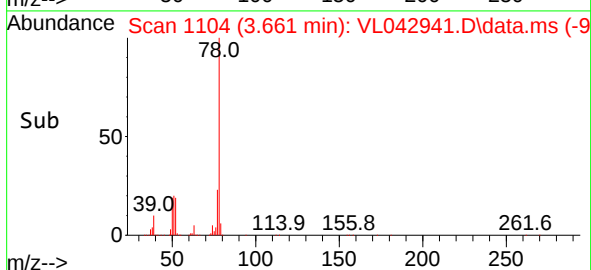
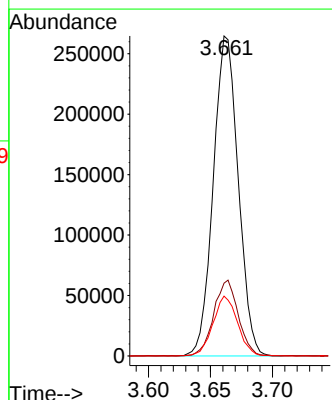
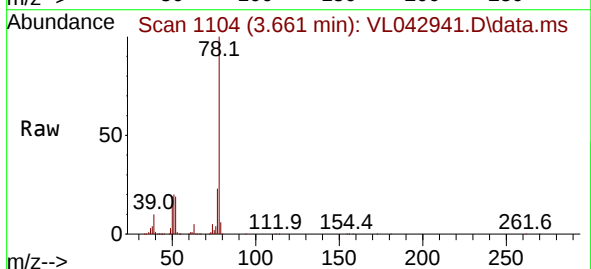
Tgt Ion: 78 Resp: 371532

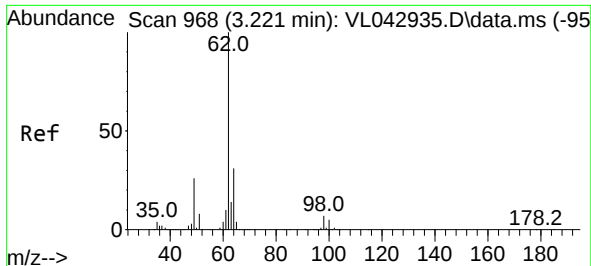
Ion Ratio Lower Upper

78 100

77 22.7 19.2 28.8

50 18.7 14.8 22.2

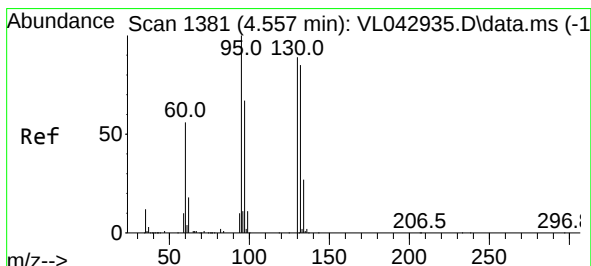
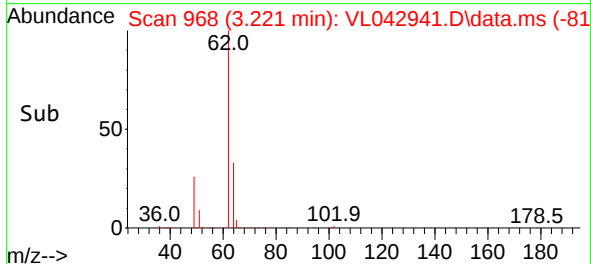
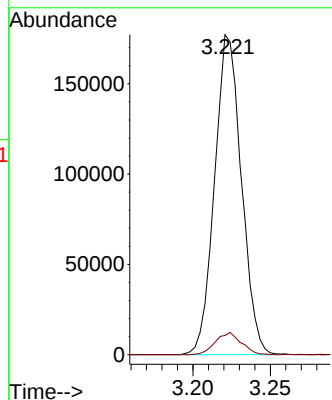
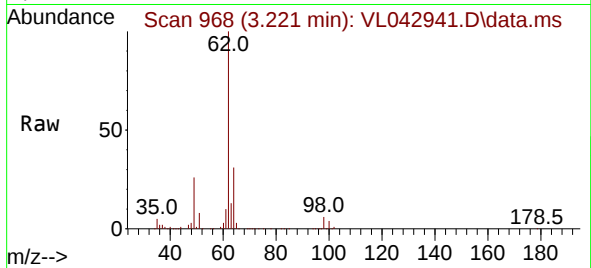




#37
1,2-Dichloroethane
Concen: 10.459 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

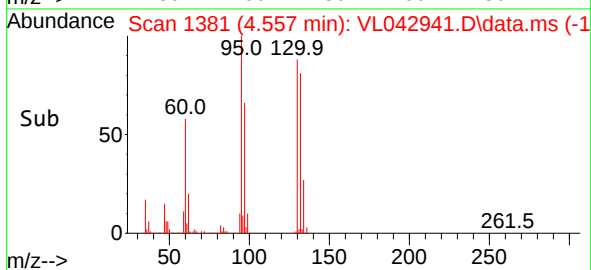
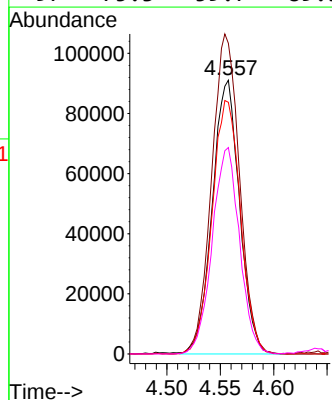
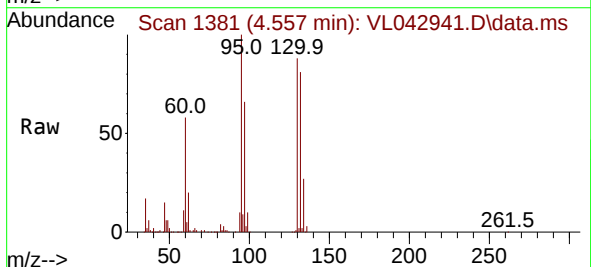
Instrument :
MSVOA_L
ClientSampleId :

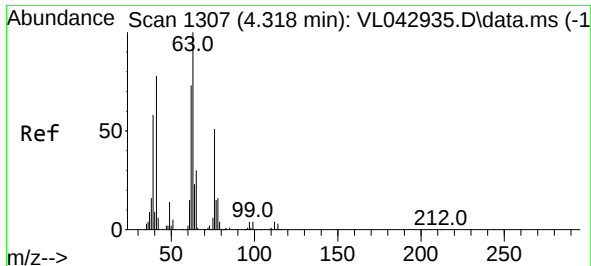
Tgt Ion: 62 Resp: 213484
Ion Ratio Lower Upper
62 100
98 6.7 5.5 8.3



#38
Trichloroethene
Concen: 10.471 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion:130 Resp: 161541
Ion Ratio Lower Upper
130 100
95 113.4 89.8 134.6
132 91.9 76.3 114.5
97 75.3 59.7 89.5

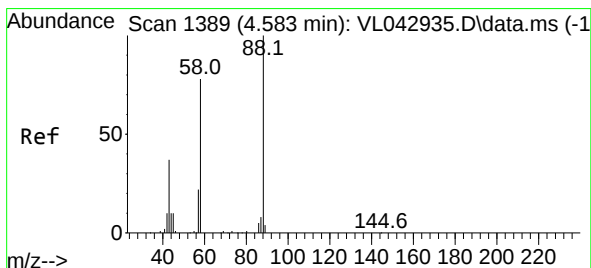
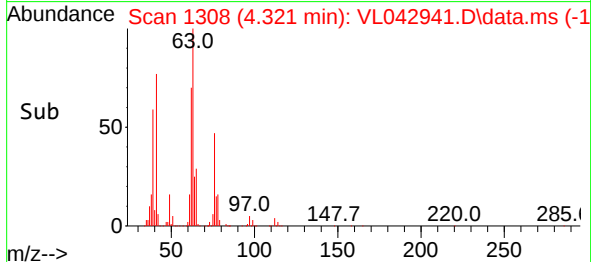
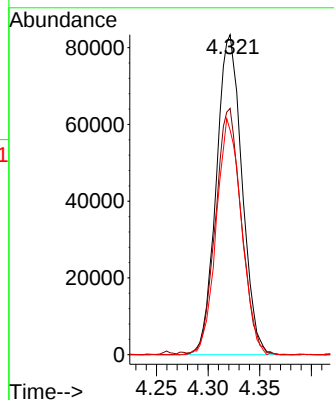
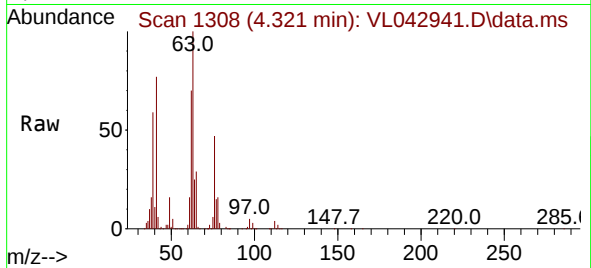




#39
 1,2-Dichloropropane
 Concen: 10.465 ppbv
 RT: 4.321 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

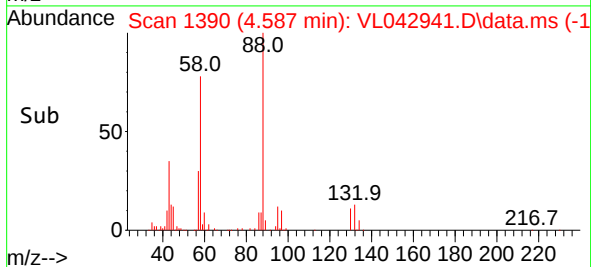
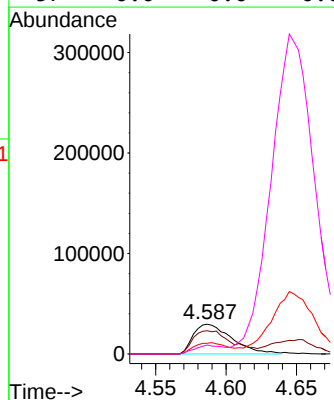
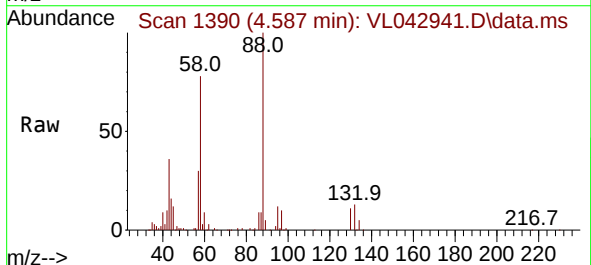
Instrument :
 MSVOA_L
 ClientSampleId :

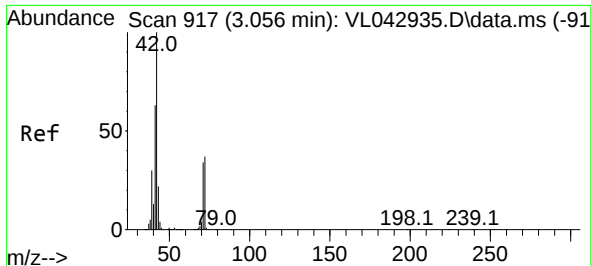
Tgt Ion: 63 Resp: 144142
 Ion Ratio Lower Upper
 63 100
 41 76.8 62.7 94.1
 62 70.2 58.4 87.6



#40
 1,4-Dioxane
 Concen: 11.547 ppbv
 RT: 4.587 min Scan# 1390
 Delta R.T. 0.003 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 88 Resp: 56448
 Ion Ratio Lower Upper
 88 100
 58 77.7 61.5 92.3
 43 35.7 28.3 42.5
 57 0.0 0.0 0.0

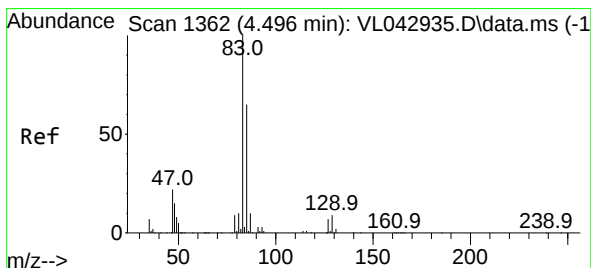
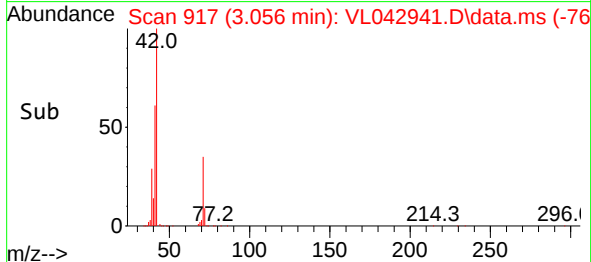
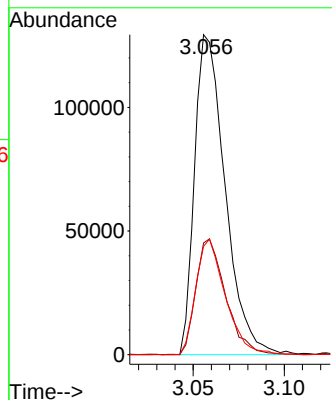
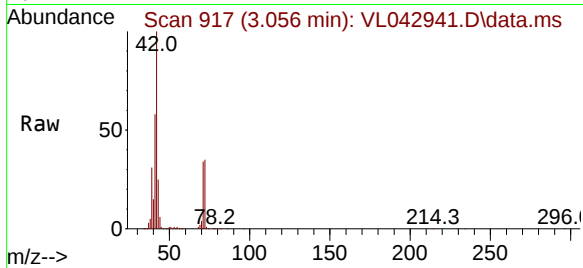




#41
Tetrahydrofuran
Concen: 12.034 ppbv
RT: 3.056 min Scan# 917
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

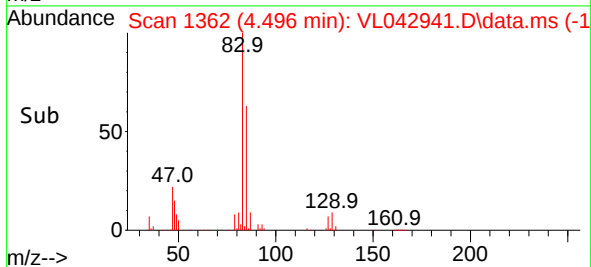
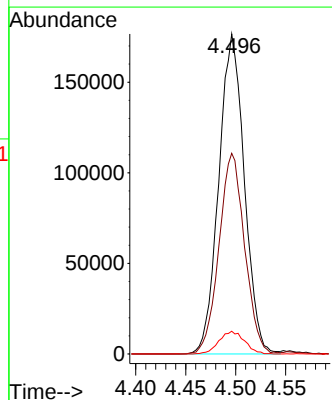
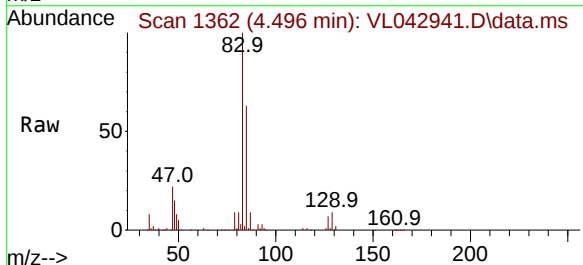
Instrument :
MSVOA_L
ClientSampleId :

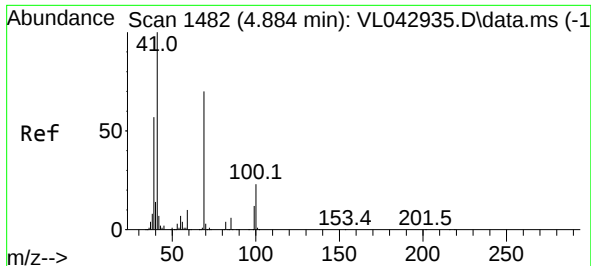
Tgt Ion: 42 Resp: 150835
Ion Ratio Lower Upper
42 100
72 35.4 30.4 45.6
71 35.0 28.3 42.5



#42
Bromodichloromethane
Concen: 10.722 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 83 Resp: 314071
Ion Ratio Lower Upper
83 100
85 62.7 52.1 78.1
127 7.1 6.0 9.0





#43

Methyl Methacrylate

Concen: 12.539 ppbv

RT: 4.888 min Scan# 1483

Delta R.T. 0.003 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

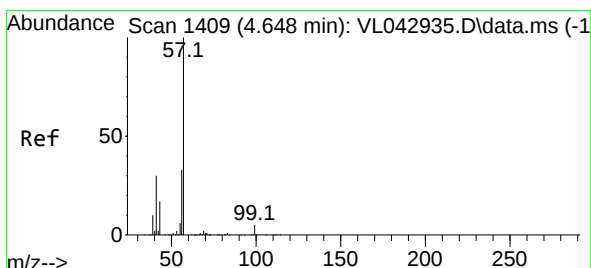
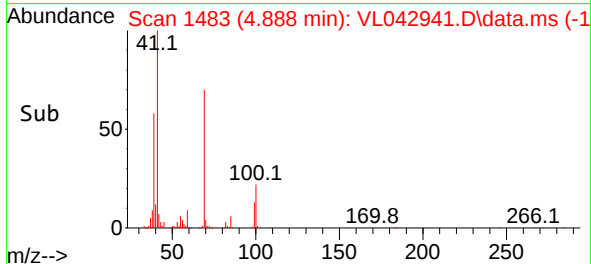
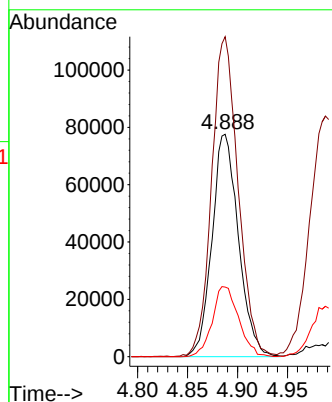
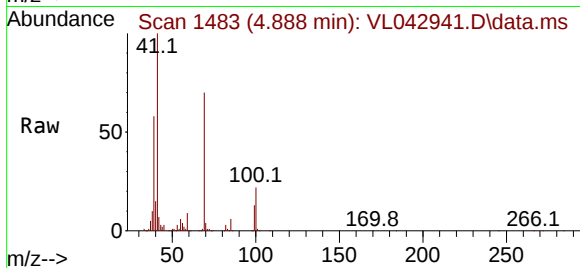
Tgt Ion: 69 Resp: 143081

Ion Ratio Lower Upper

69 100

41 144.0 118.6 178.0

100 31.4 26.2 39.4



#44

2,2,4-Trimethylpentane

Concen: 11.925 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. -0.003 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

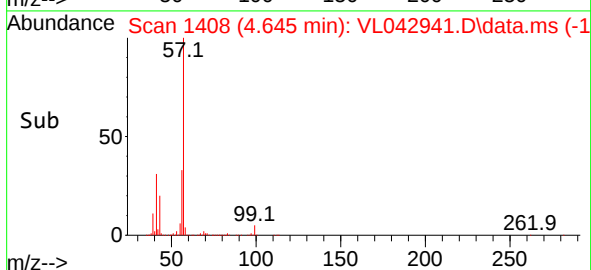
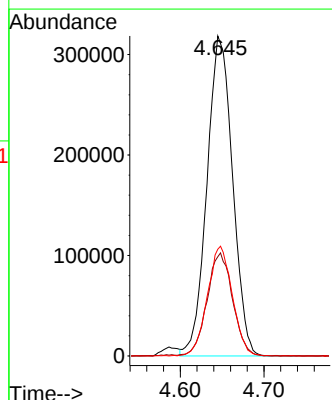
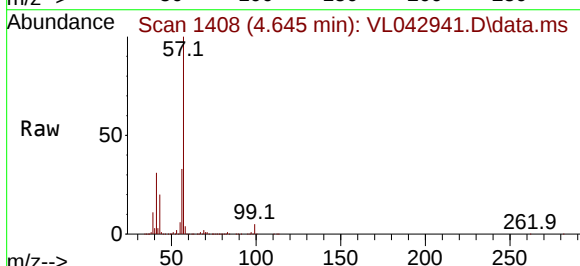
Tgt Ion: 57 Resp: 677873

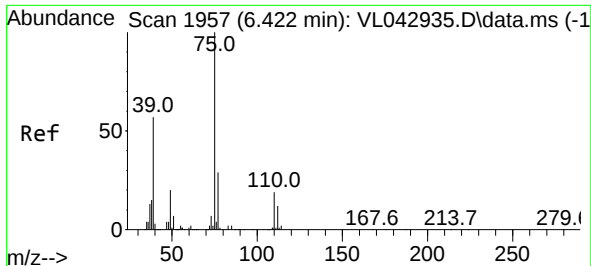
Ion Ratio Lower Upper

57 100

41 32.5 25.8 38.6

56 33.4 26.2 39.4

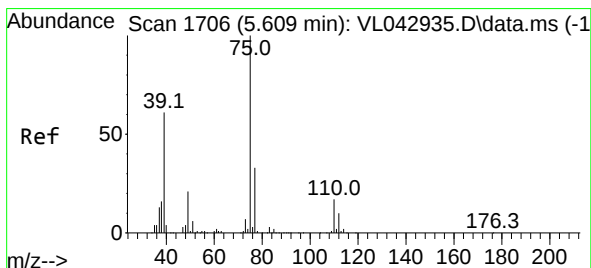
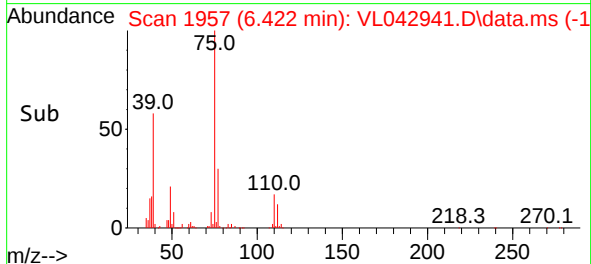
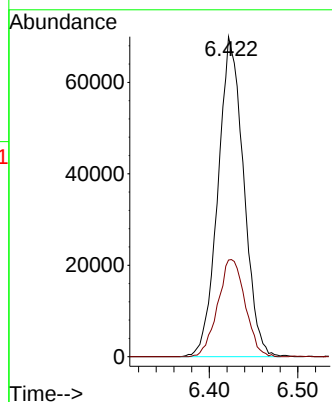
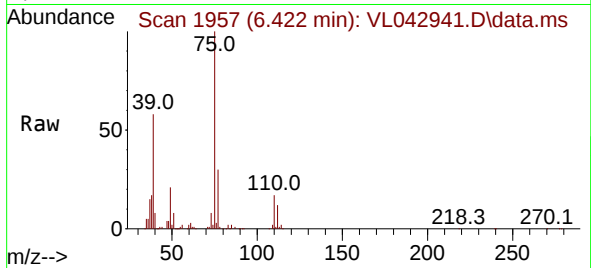




#45
 t-1,3-Dichloropropene
 Concen: 11.723 ppbv
 RT: 6.422 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

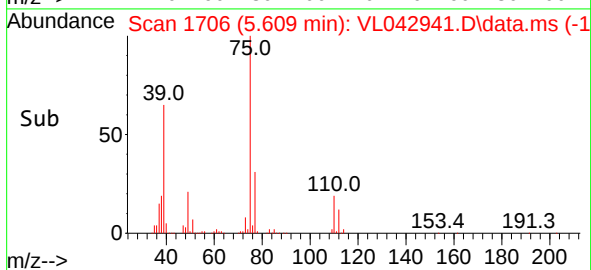
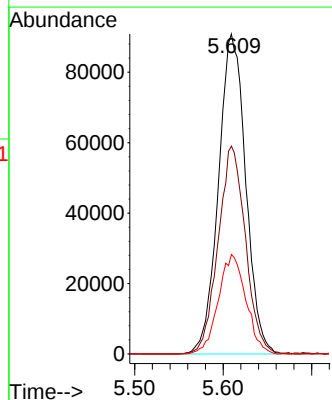
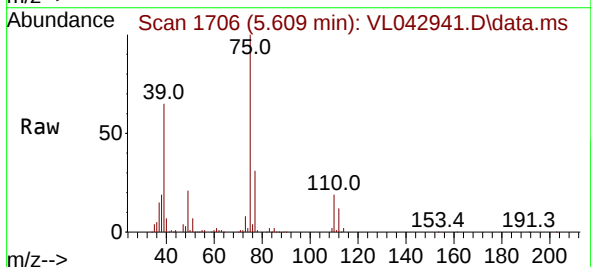
Instrument :
 MSVOA_L
 ClientSampleId :

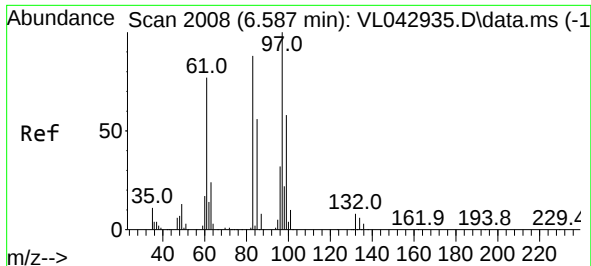
Tgt Ion: 75 Resp: 141047
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.5 35.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.706 ppbv
 RT: 5.609 min Scan# 1706
 Delta R.T. 0.000 min
 Lab File: VL042941.D
 Acq: 18 Sep 2025 11:37

Tgt Ion: 75 Resp: 194163
 Ion Ratio Lower Upper
 75 100
 39 64.8 49.0 73.4
 77 31.1 26.2 39.2

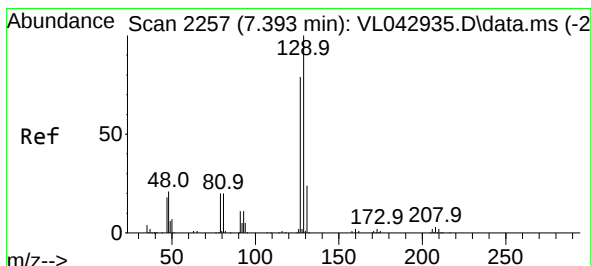
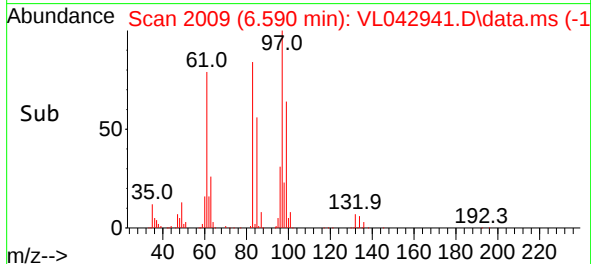
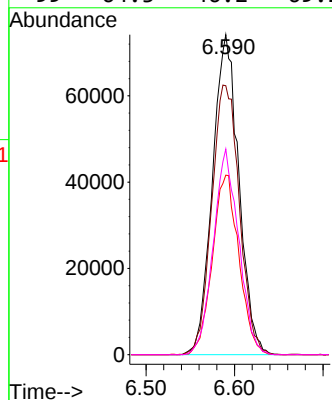
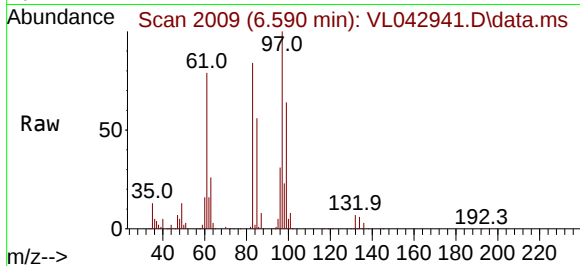




#47
1,1,2-Trichloroethane
Concen: 10.923 ppbv
RT: 6.590 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

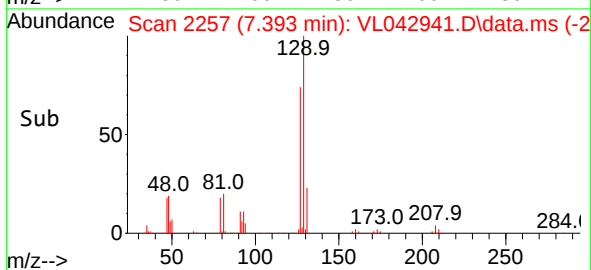
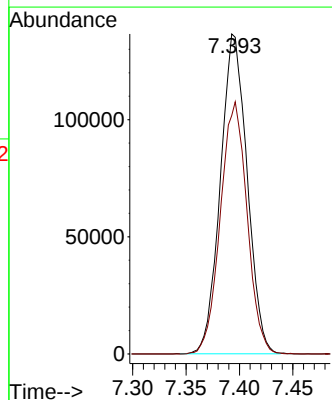
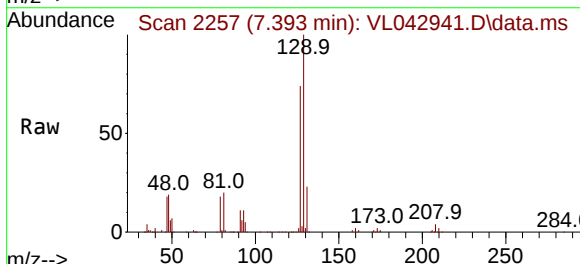
Instrument :
MSVOA_L
ClientSampleId :

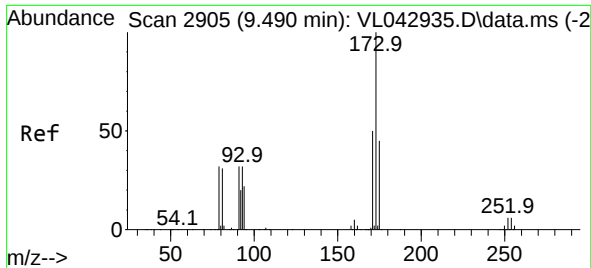
Tgt Ion: 97 Resp: 153417
Ion Ratio Lower Upper
97 100
83 84.1 70.6 106.0
85 56.1 44.9 67.3
99 64.3 46.2 69.2



#48
Dibromochloromethane
Concen: 10.801 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 129 Resp: 237584
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.3





#49

Bromoform

Concen: 11.129 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

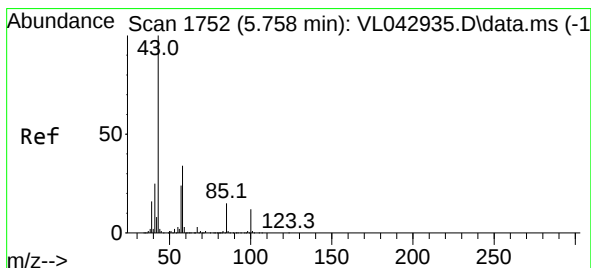
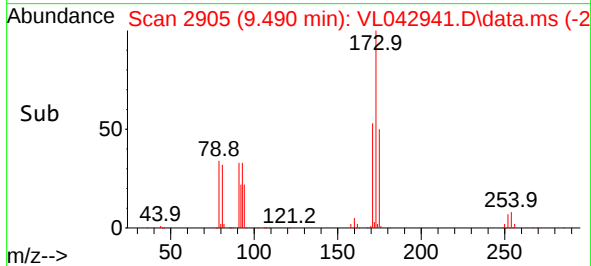
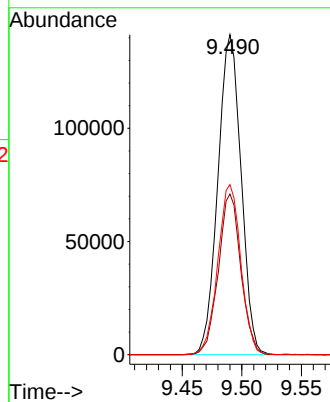
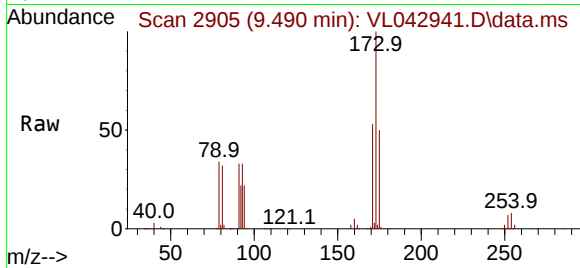
Tgt Ion:173 Resp: 191061

Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

171 52.6 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 12.552 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. -0.003 min

Lab File: VL042941.D

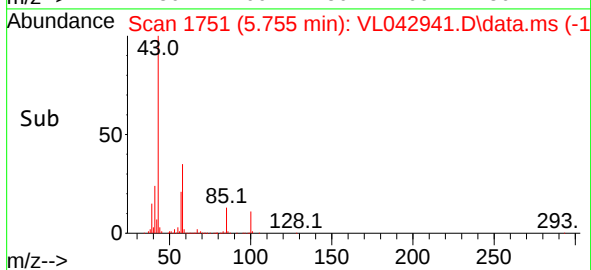
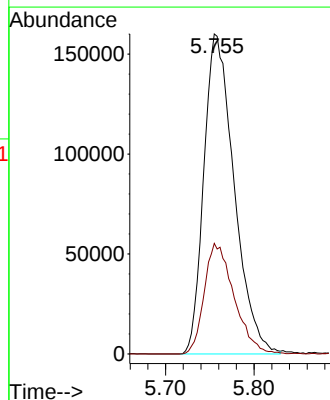
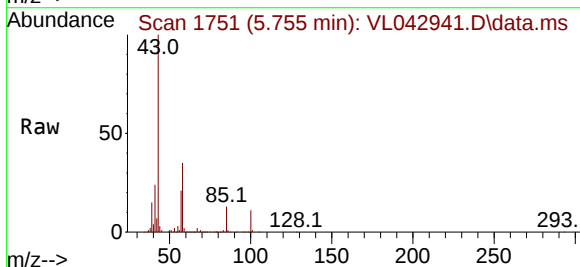
Acq: 18 Sep 2025 11:37

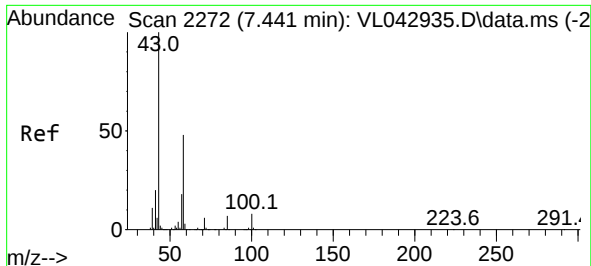
Tgt Ion: 43 Resp: 380109

Ion Ratio Lower Upper

43 100

58 34.1 27.5 41.3

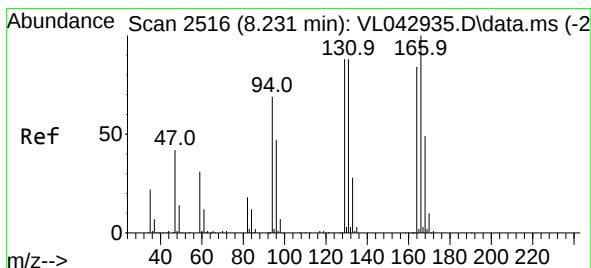
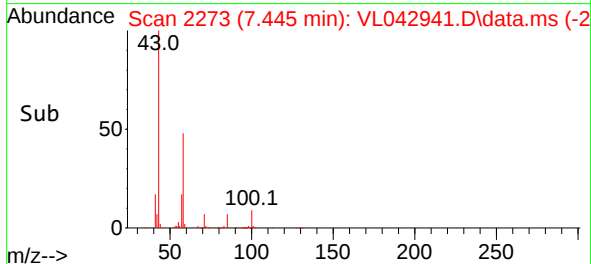
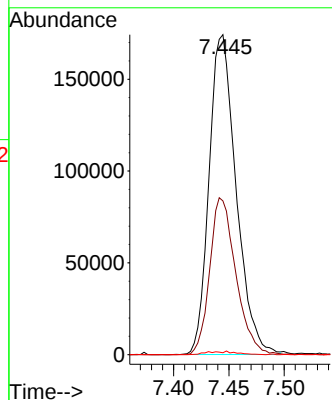
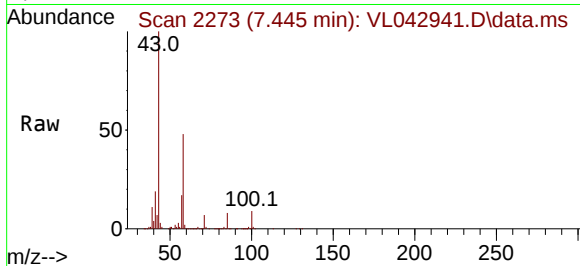




#51
2-Hexanone
Concen: 13.184 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

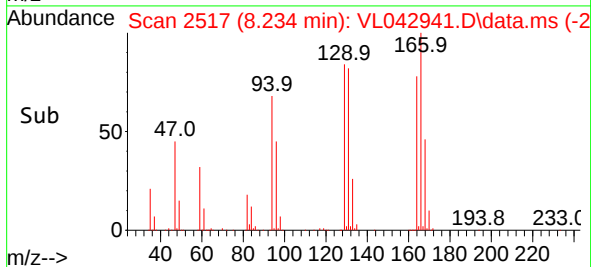
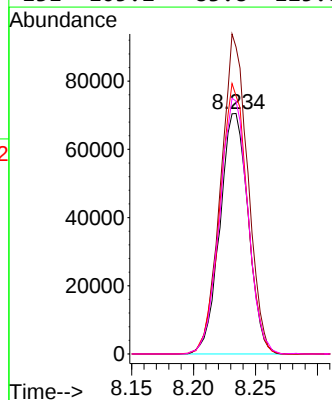
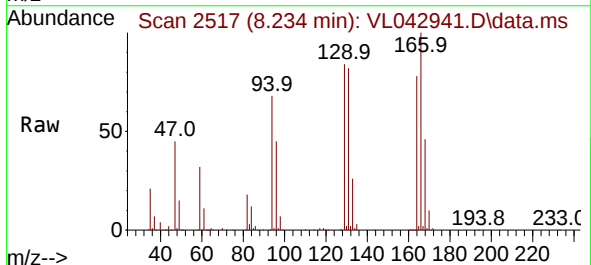
Instrument :
MSVOA_L
ClientSampleId :

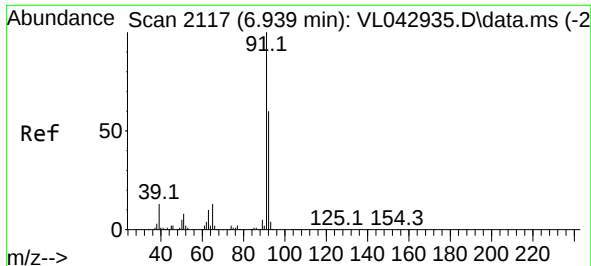
Tgt Ion: 43 Resp: 296508
Ion Ratio Lower Upper
43 100
58 47.4 37.9 56.9
98 1.2 0.7 1.1#



#52
Tetrachloroethene
Concen: 10.663 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion:164 Resp: 112059
Ion Ratio Lower Upper
164 100
166 127.7 95.4 143.0
129 107.2 84.0 126.0
131 105.2 83.8 125.8

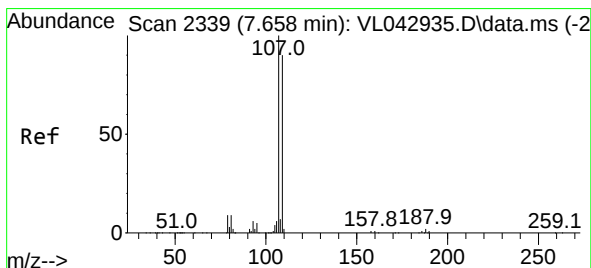
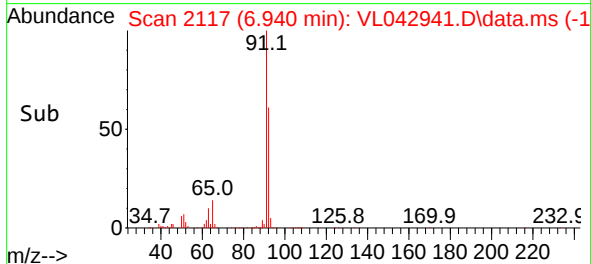
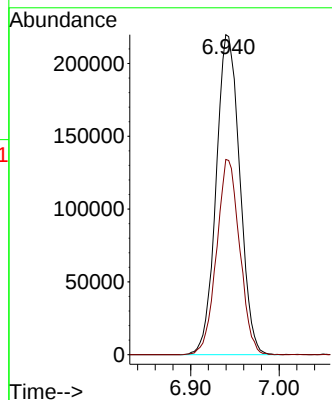
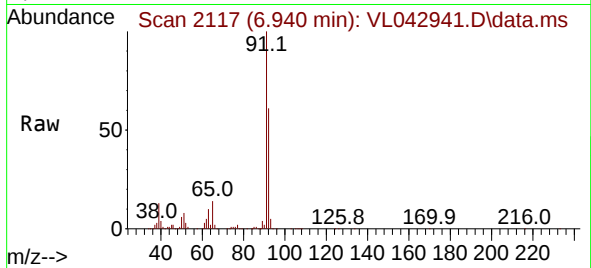




#53
Toluene
Concen: 12.840 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

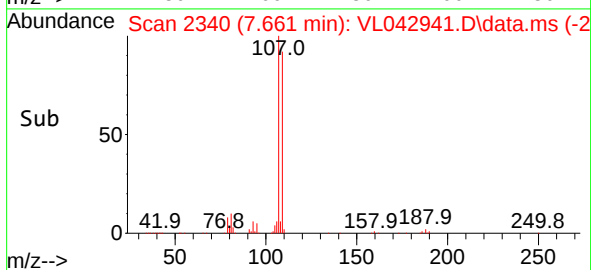
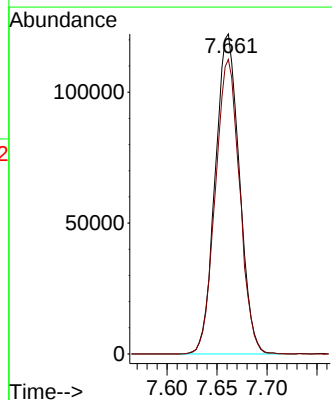
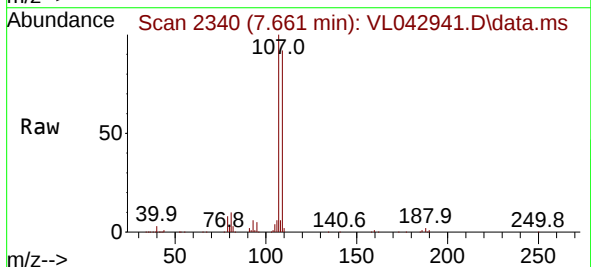
Instrument :
MSVOA_L
ClientSampleId :

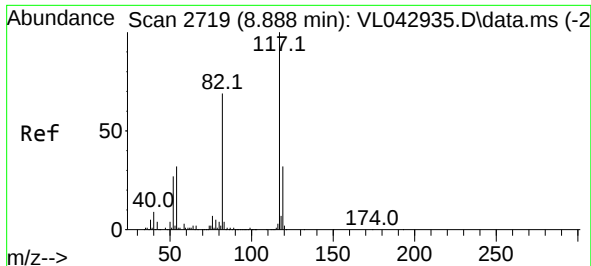
Tgt Ion: 91 Resp: 408066
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.2



#54
1,2-Dibromoethane
Concen: 11.377 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 107 Resp: 205553
Ion Ratio Lower Upper
107 100
109 92.1 71.8 107.6

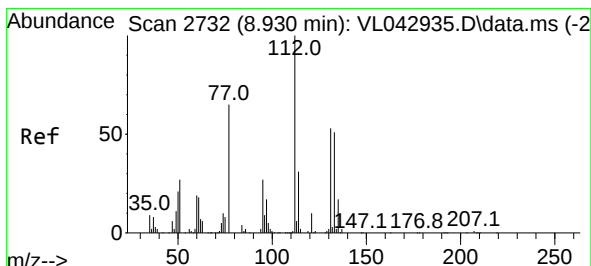
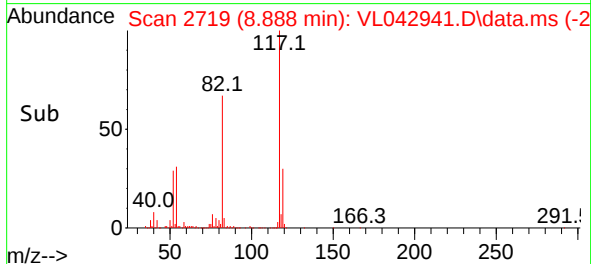
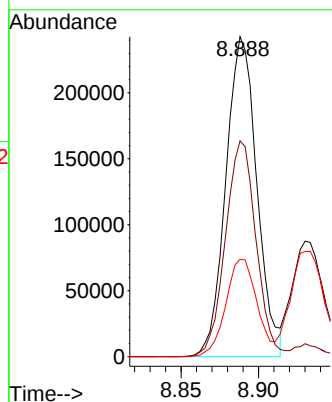
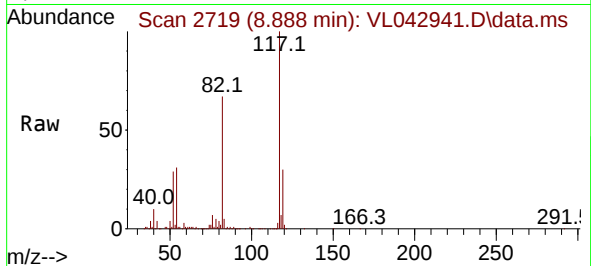




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

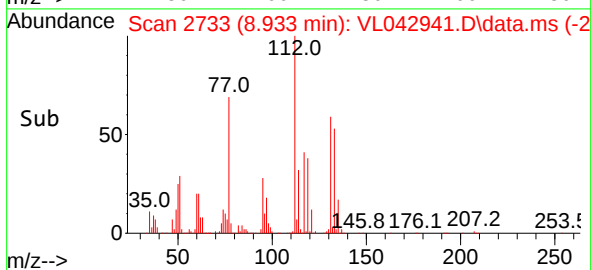
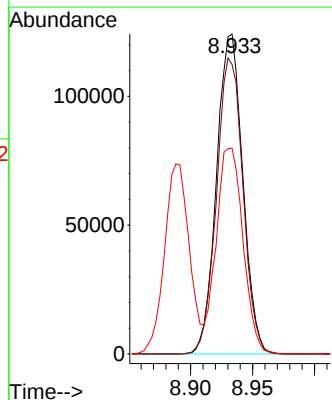
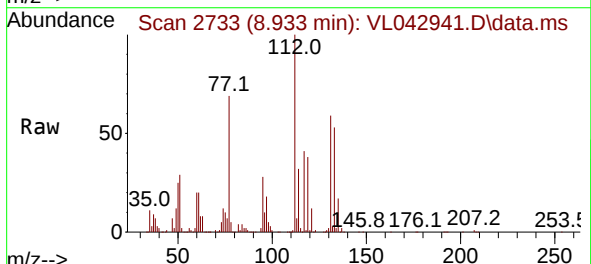
Instrument :
MSVOA_L
ClientSampleId :

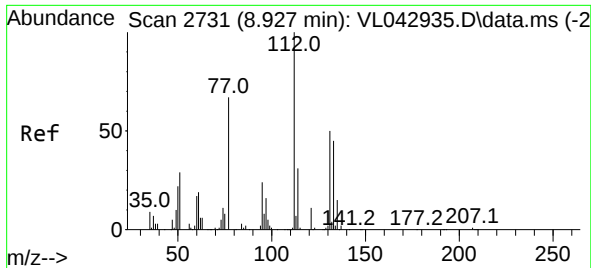
Tgt Ion:117 Resp: 338982
Ion Ratio Lower Upper
117 100
82 69.8 56.1 84.1
119 31.9 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 10.614 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion:131 Resp: 183300
Ion Ratio Lower Upper
131 100
133 93.2 76.1 114.1
119 66.5 53.4 80.2





#57

Chlorobenzene

Concen: 10.700 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042941.D

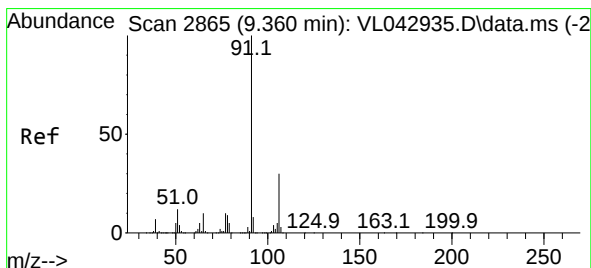
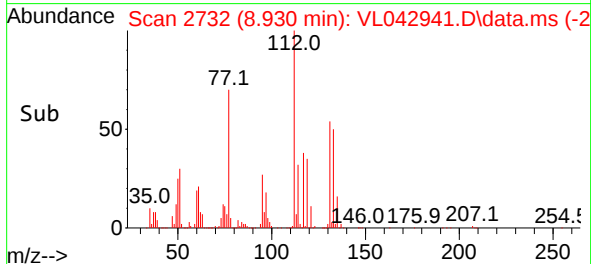
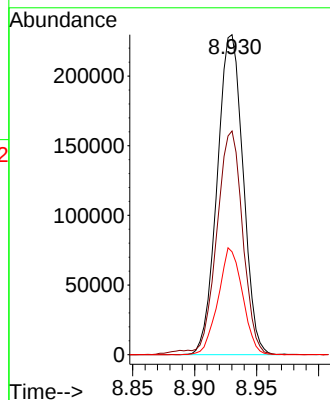
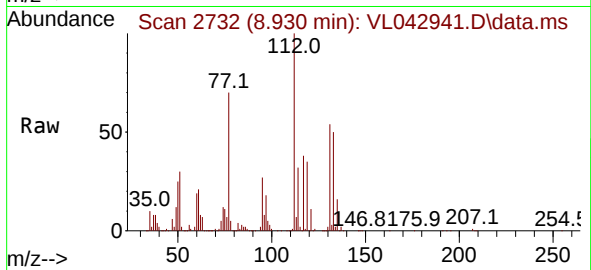
Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	335255
Ion Ratio	Lower	Upper
112	100	
77	69.8	54.8 82.2
114	32.1	28.2 34.4



#58

Ethyl Benzene

Concen: 13.132 ppbv

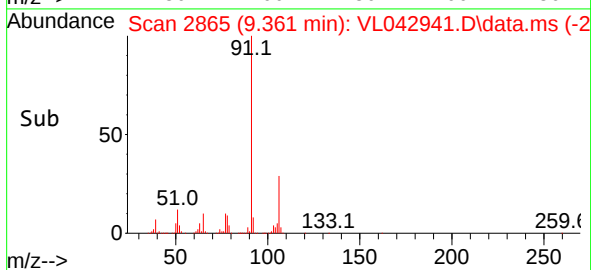
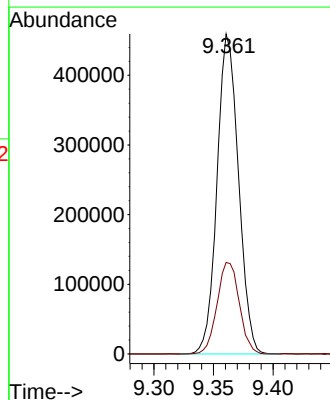
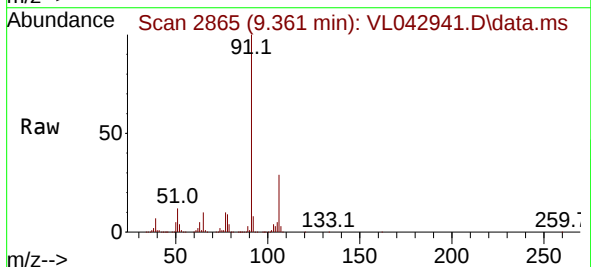
RT: 9.361 min Scan# 2865

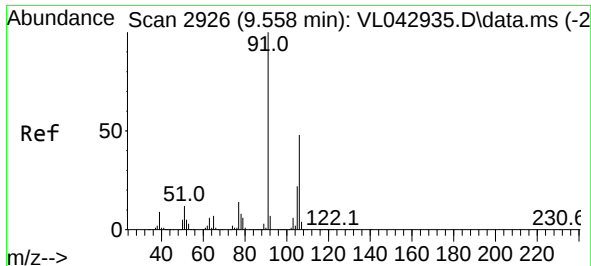
Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Tgt Ion: 91	Resp:	573488
Ion Ratio	Lower	Upper
91	100	
106	28.6	24.2 36.4





#59

m/p-Xylene

Concen: 12.485 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

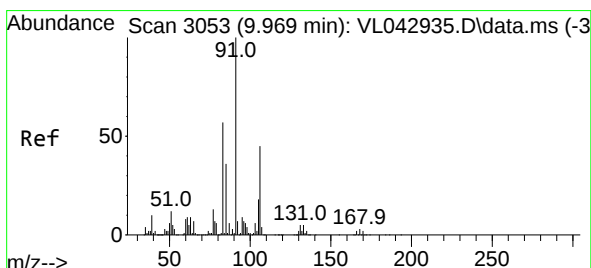
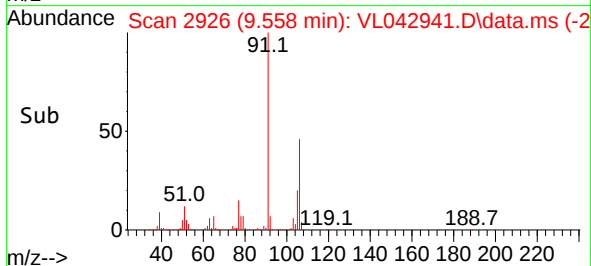
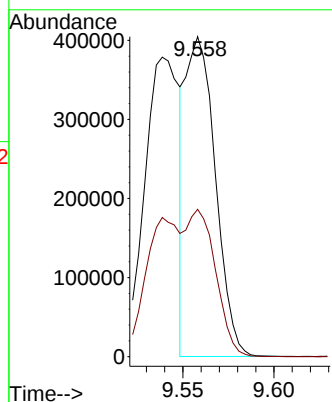
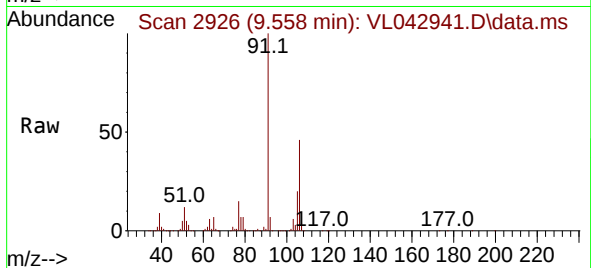
ClientSampleId :

Tgt Ion: 91 Resp: 460767

Ion Ratio Lower Upper

91 100

106 96.1 37.4 56.0#



#60

o-Xylene

Concen: 13.235 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VL042941.D

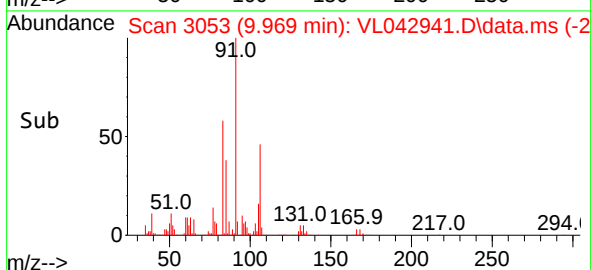
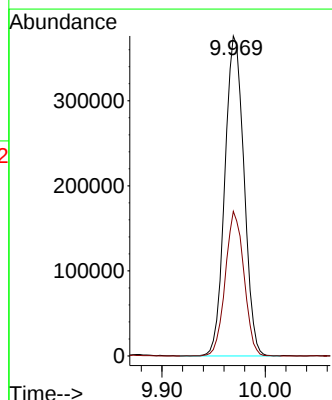
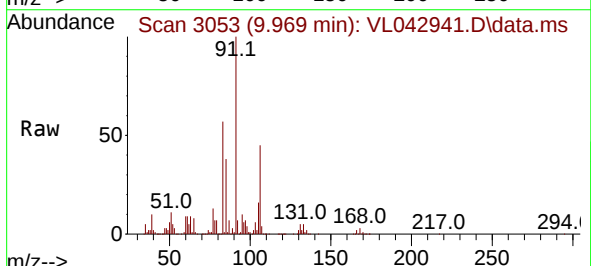
Acq: 18 Sep 2025 11:37

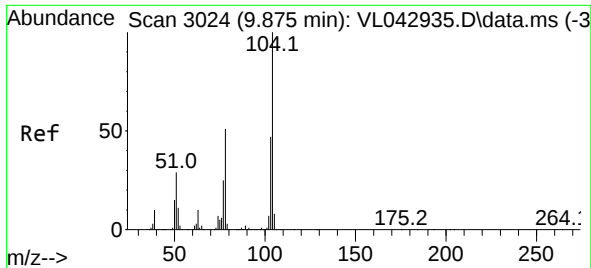
Tgt Ion: 91 Resp: 485622

Ion Ratio Lower Upper

91 100

106 44.0 22.1 66.5

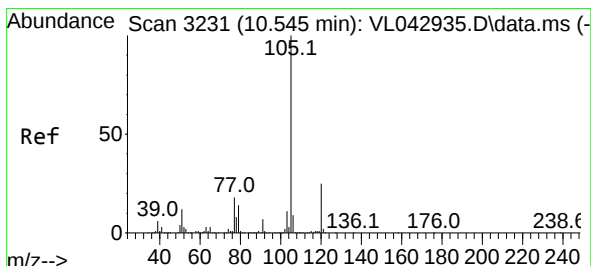
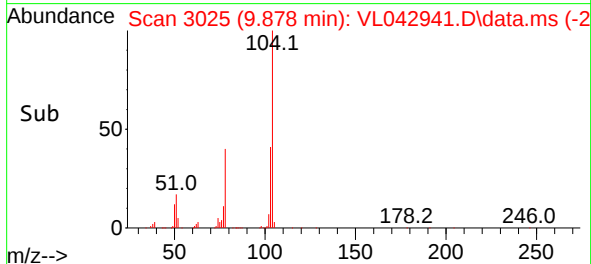
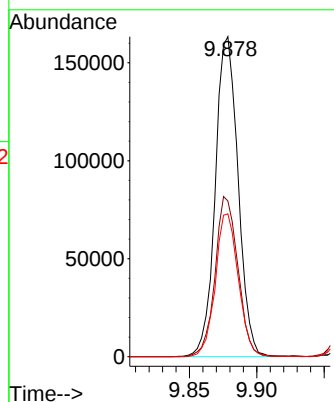
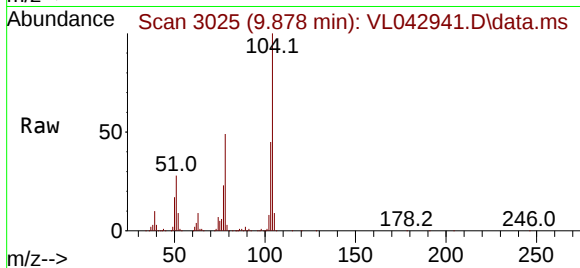




#61
Styrene
Concen: 10.125 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

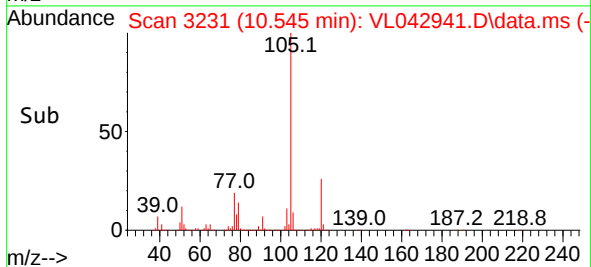
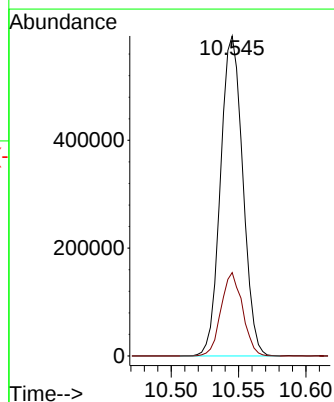
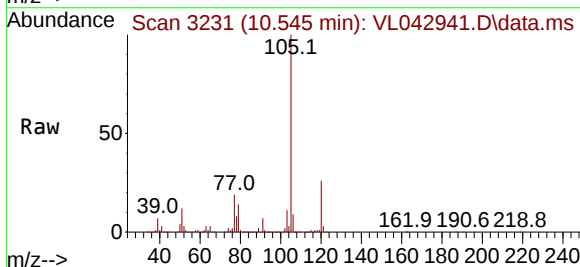
Instrument :
MSVOA_L
ClientSampleId :

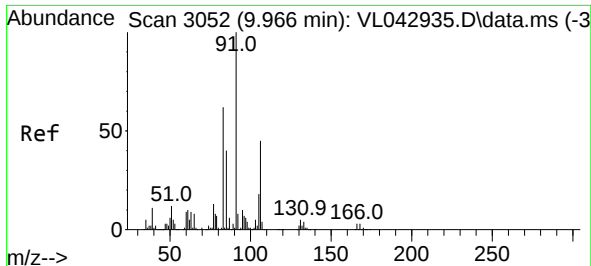
Tgt Ion:104 Resp: 192241
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 45.2 36.8 55.2



#62
Isopropylbenzene
Concen: 12.776 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion:105 Resp: 682870
Ion Ratio Lower Upper
105 100
120 25.1 20.0 30.0

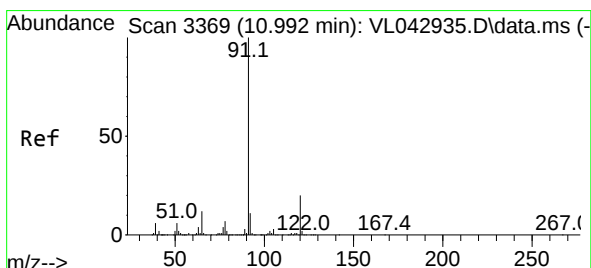
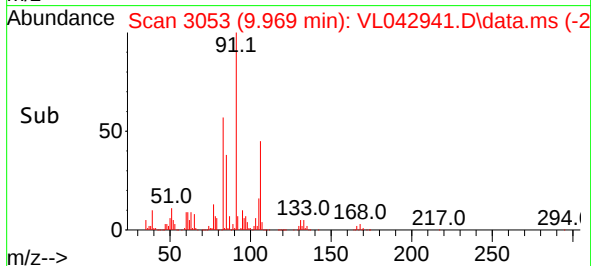
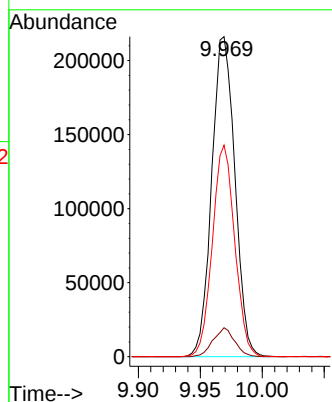
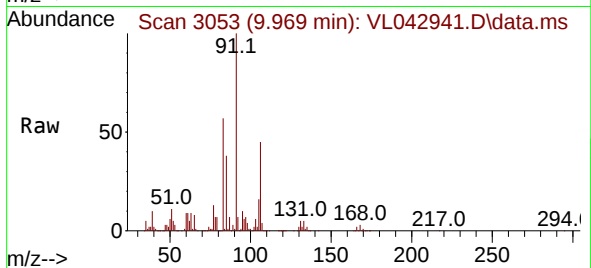




#63
1,1,2,2-Tetrachloroethane
Concen: 10.618 ppbv
RT: 9.969 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

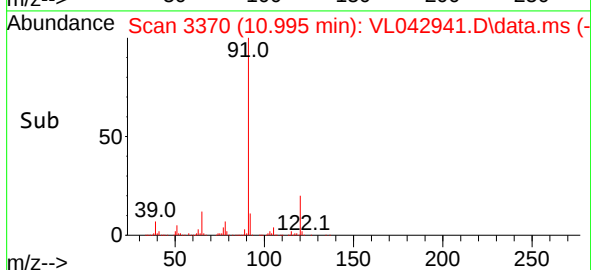
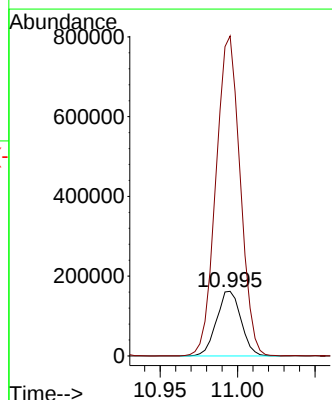
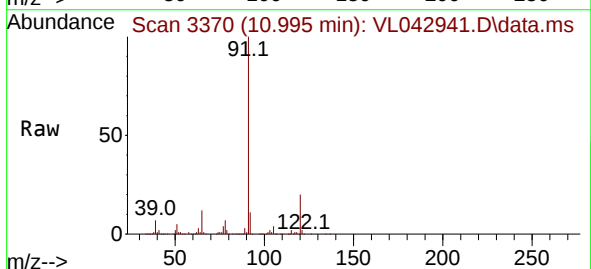
Instrument :
MSVOA_L
ClientSampleId :

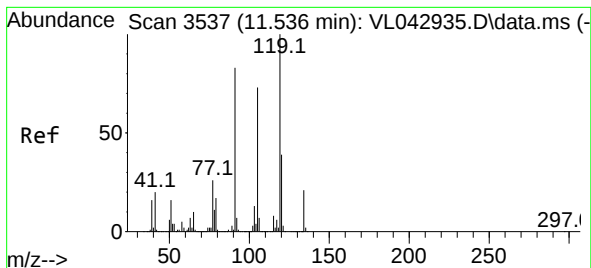
Tgt Ion:	83	Resp:	281454
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.2	12.6
85	63.7	32.6	98.0



#64
n-propylbenzene
Concen: 12.836 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion:	120	Resp:	177873
Ion	Ratio	Lower	Upper
120	100		
91	492.6	394.6	591.8





#65

tert-Butylbenzene

Concen: 13.311 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

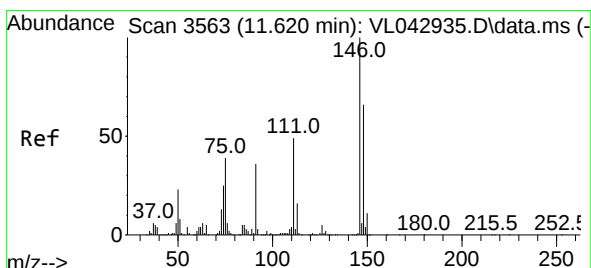
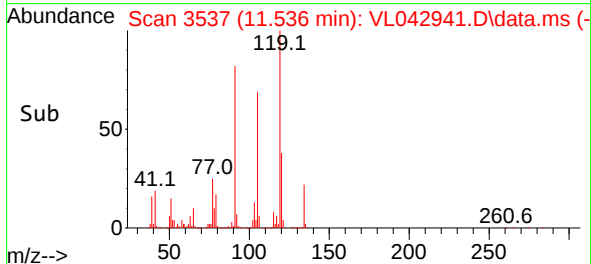
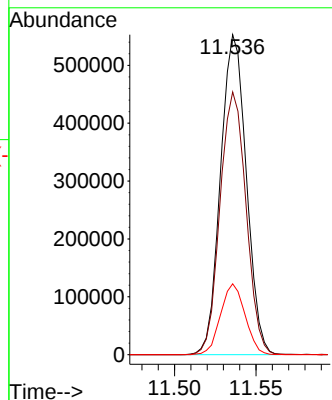
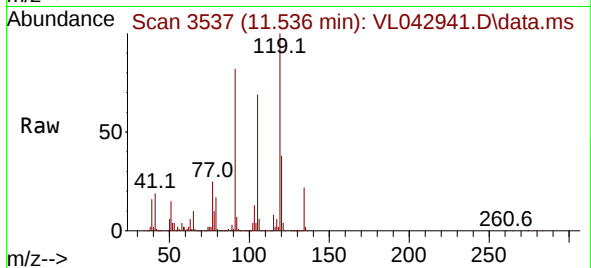
Tgt Ion:119 Resp: 607942

Ion Ratio Lower Upper

119 100

91 82.9 66.0 99.0

134 21.1 16.8 25.2



#66

Benzyl Chloride

Concen: 12.834 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. -0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

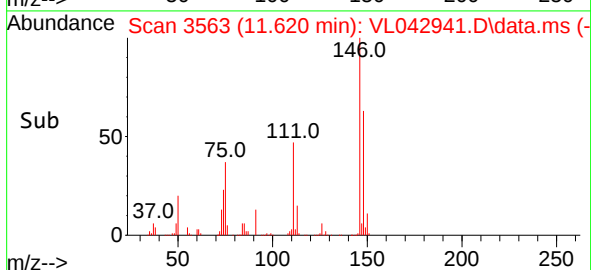
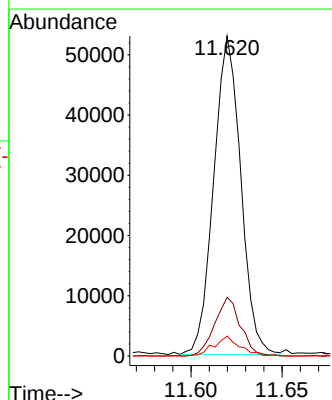
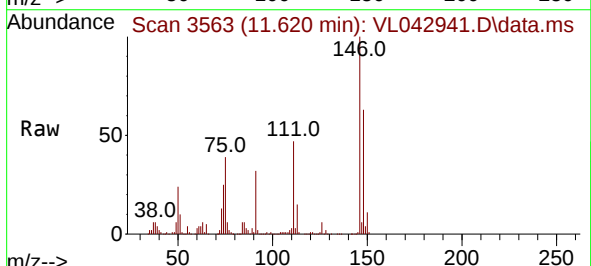
Tgt Ion: 91 Resp: 54469

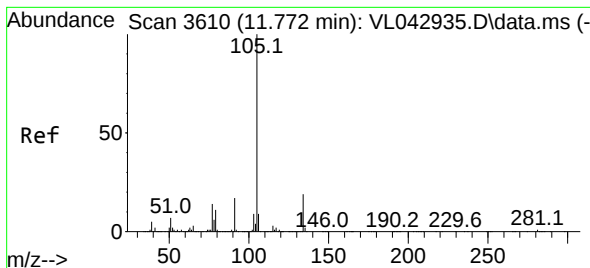
Ion Ratio Lower Upper

91 100

126 17.6 13.9 20.9

128 5.9 4.9 7.3





#67

sec-Butylbenzene

Concen: 13.004 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

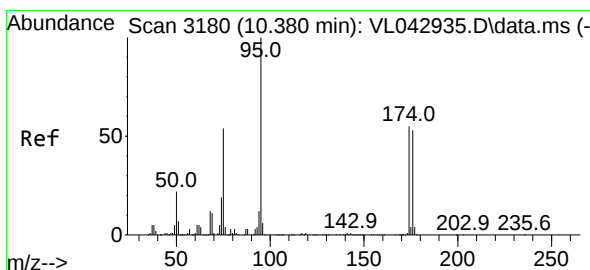
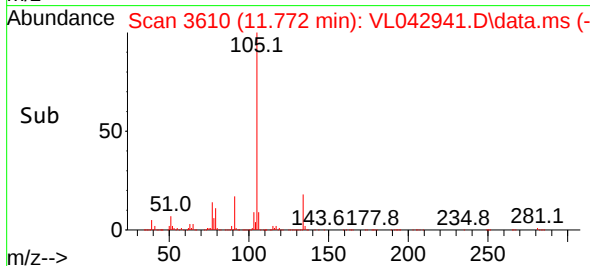
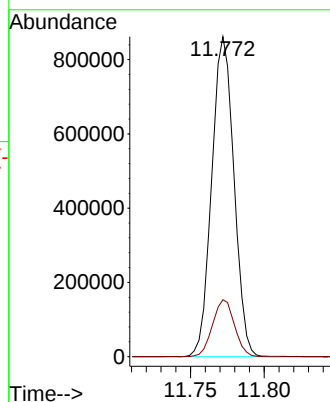
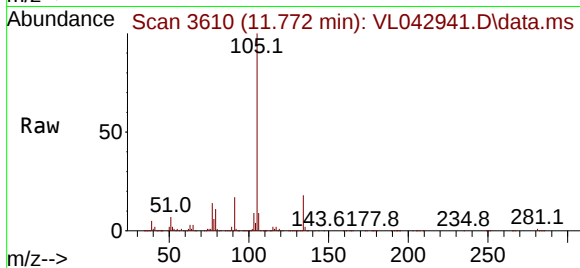
ClientSampleId :

Tgt Ion:105 Resp: 903631

Ion Ratio Lower Upper

105 100

134 17.6 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.624 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

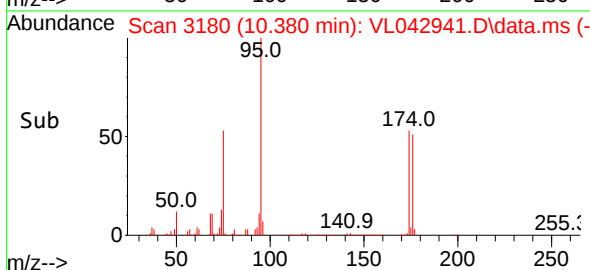
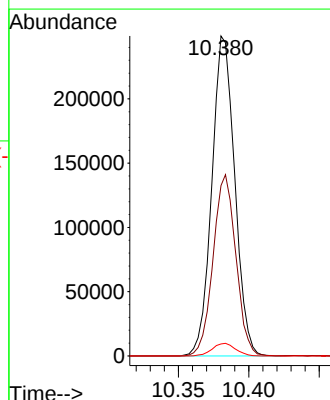
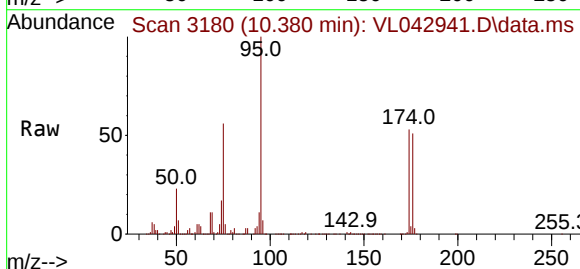
Tgt Ion: 95 Resp: 281492

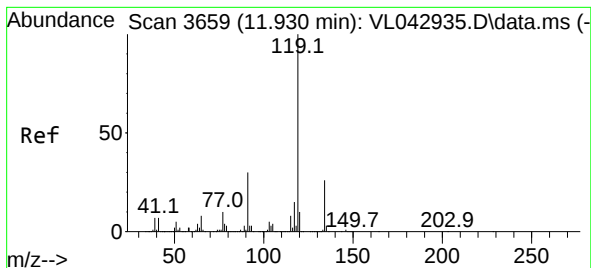
Ion Ratio Lower Upper

95 100

174 56.3 44.9 67.3

175 4.0 3.3 4.9





#69

p-Isopropyltoluene

Concen: 13.536 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.001 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

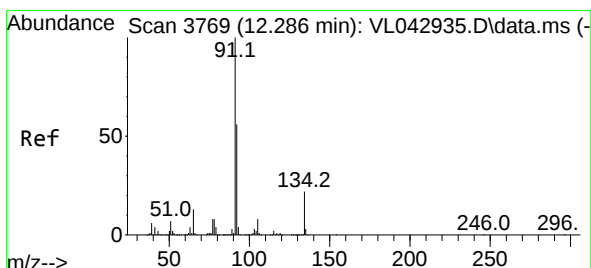
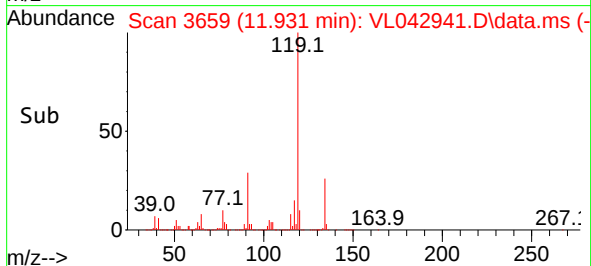
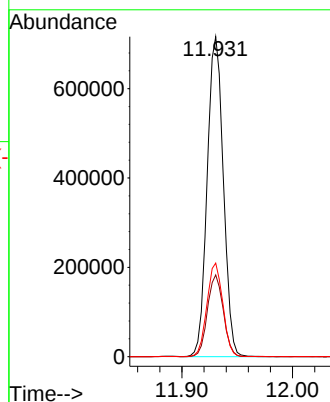
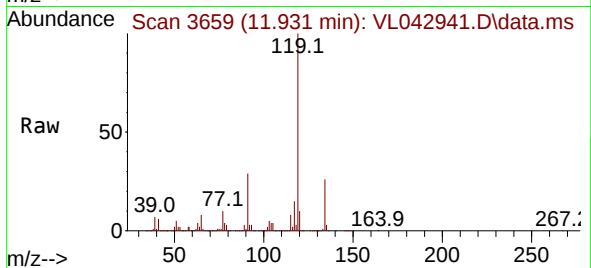
Tgt Ion:119 Resp: 724872

Ion Ratio Lower Upper

119 100

134 25.2 20.5 30.7

91 29.1 23.2 34.8



#70

n-Butylbenzene

Concen: 10.868 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.001 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

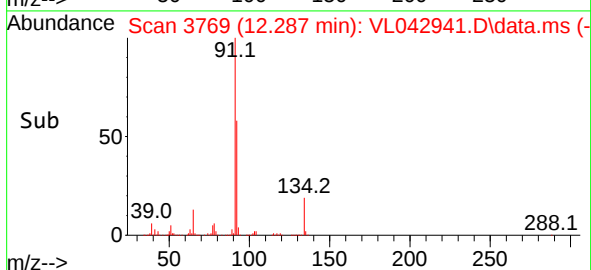
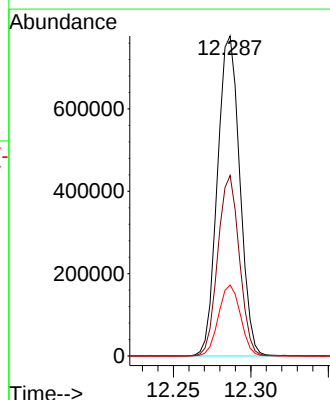
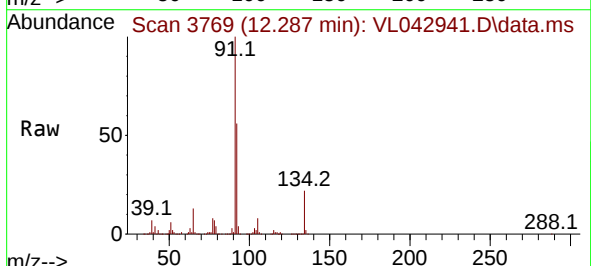
Tgt Ion: 91 Resp: 779794

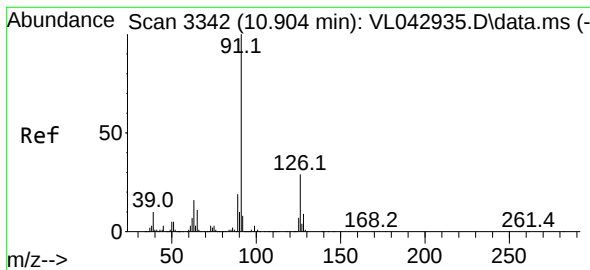
Ion Ratio Lower Upper

91 100

92 54.3 43.8 65.8

134 21.8 17.3 25.9

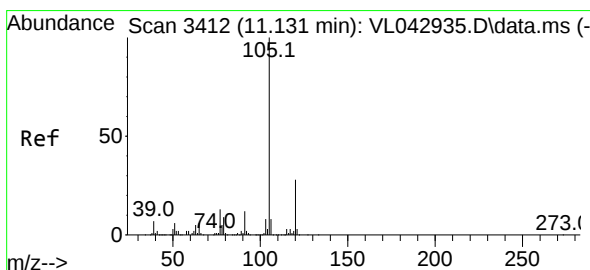
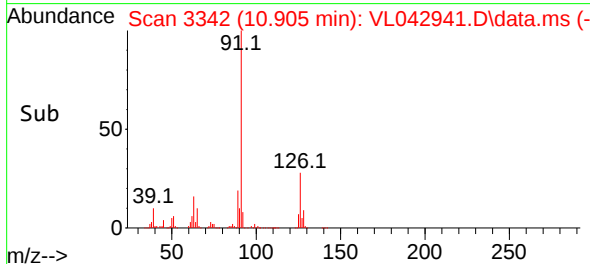
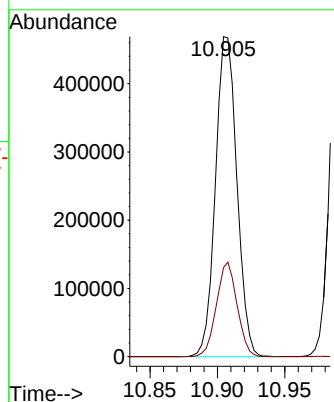
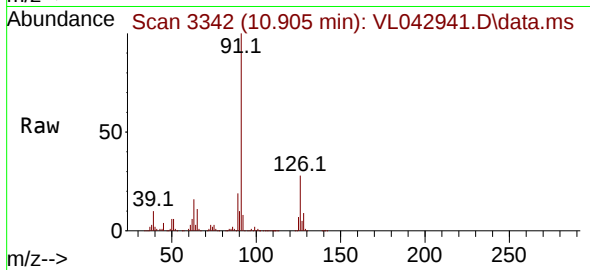




#71
2-Chlorotoluene
Concen: 13.091 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

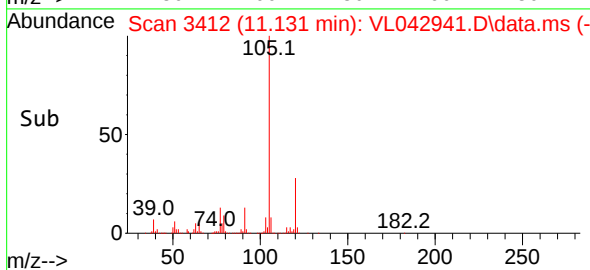
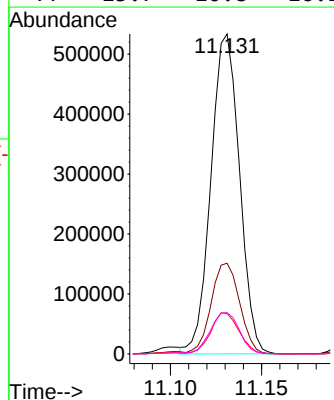
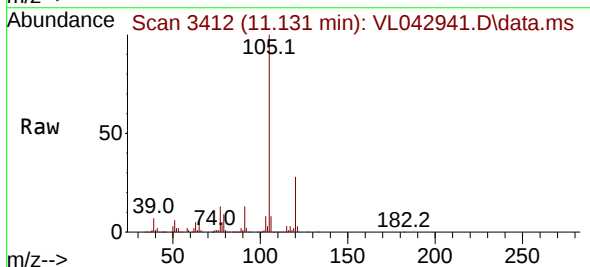
Instrument :
MSVOA_L
ClientSampleId :

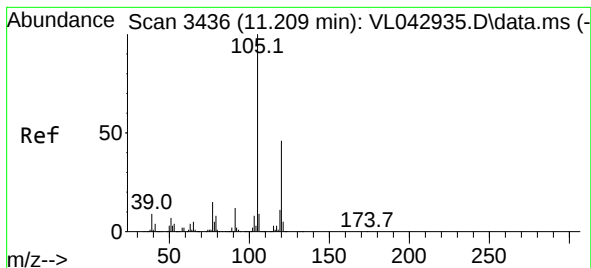
Tgt Ion: 91 Resp: 519187
Ion Ratio Lower Upper
91 100
126 28.4 11.5 45.9



#72
4-Ethyltoluene
Concen: 10.474 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042941.D
Acq: 18 Sep 2025 11:37

Tgt Ion: 105 Resp: 581465
Ion Ratio Lower Upper
105 100
120 29.0 23.1 34.7
91 13.2 10.4 15.6
77 13.7 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 13.284 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

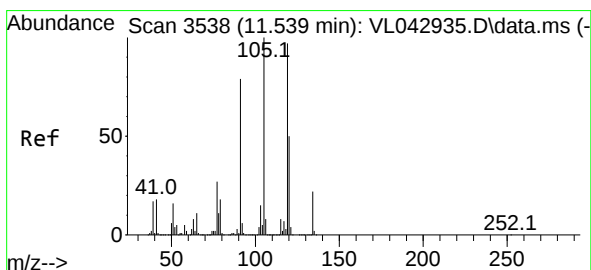
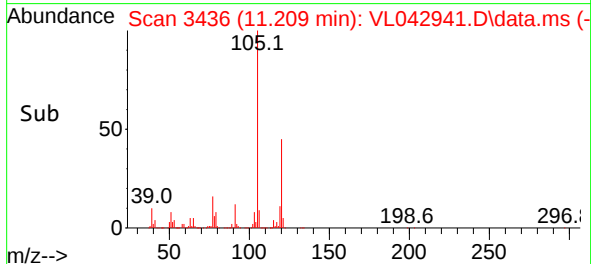
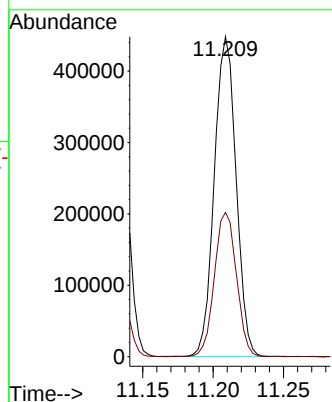
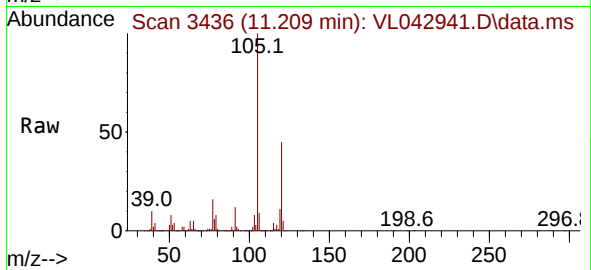
ClientSampleId :

Tgt Ion:105 Resp: 482220

Ion Ratio Lower Upper

105 100

120 45.1 37.0 55.6



#74

1,2,4-Trimethylbenzene

Concen: 13.080 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Tgt Ion:105 Resp: 557969

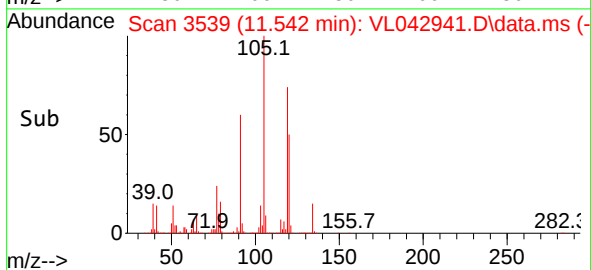
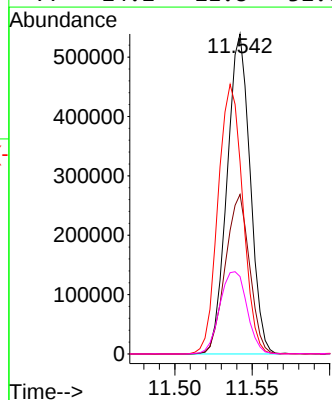
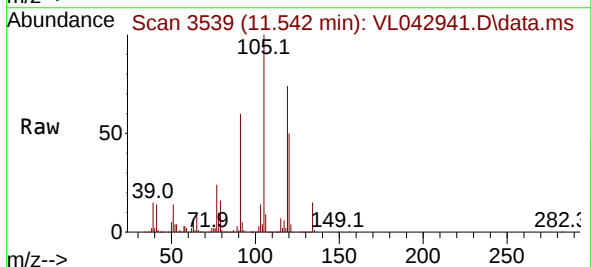
Ion Ratio Lower Upper

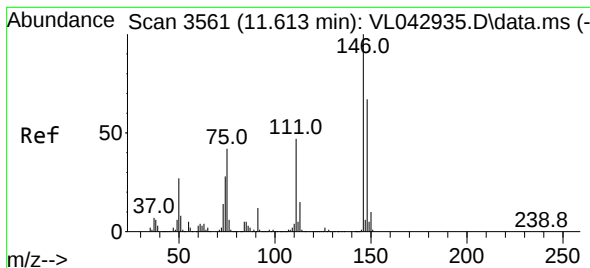
105 100

120 49.8 39.8 59.6

91 60.1 63.1 94.7#

77 24.2 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 11.783 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

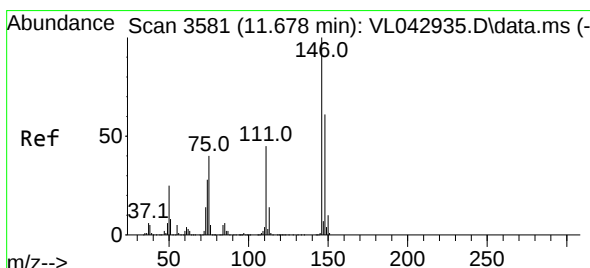
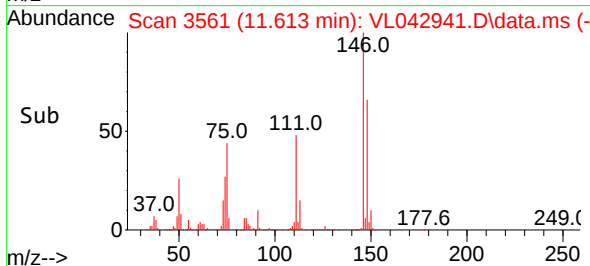
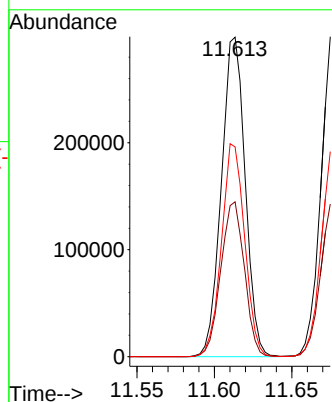
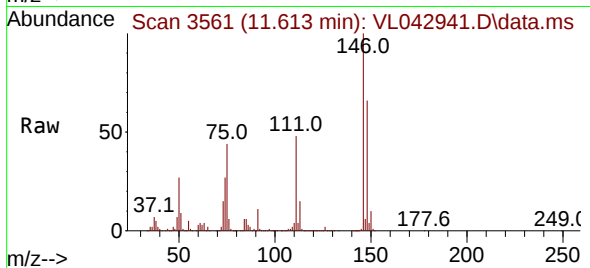
Tgt Ion:146 Resp: 318678

Ion Ratio Lower Upper

146 100

111 48.2 24.1 72.2

148 64.9 31.8 95.3



#76

1,4-Dichlorobenzene

Concen: 12.160 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

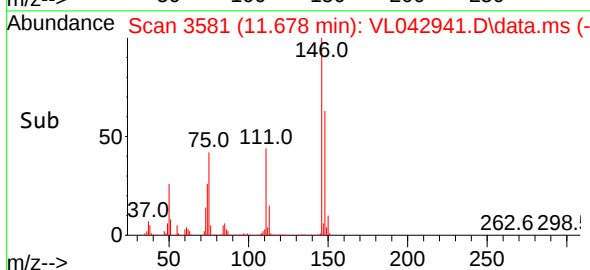
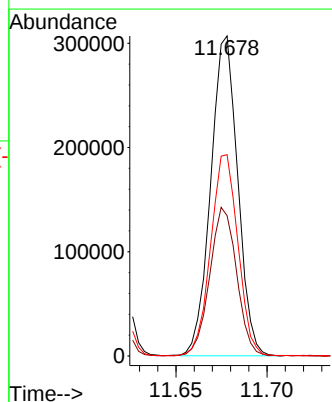
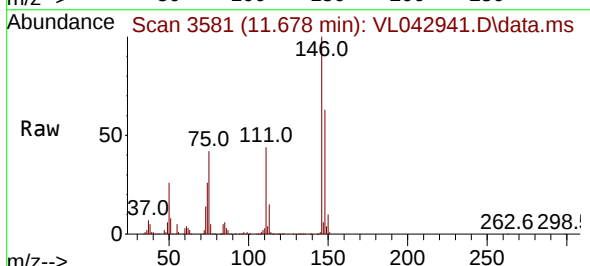
Tgt Ion:146 Resp: 316399

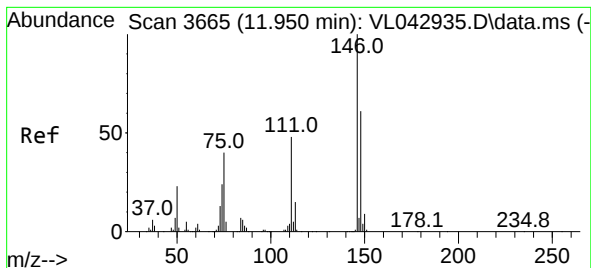
Ion Ratio Lower Upper

146 100

111 46.5 23.0 69.0

148 64.0 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 11.497 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

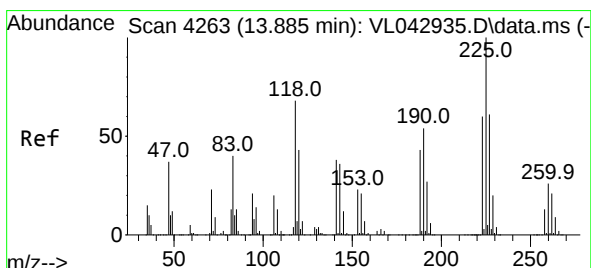
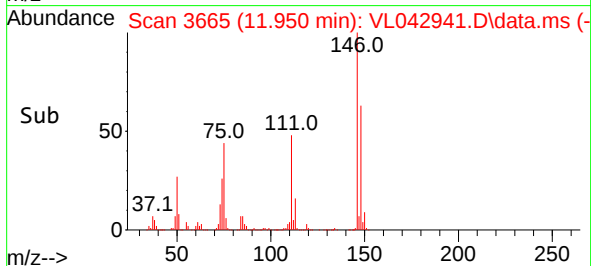
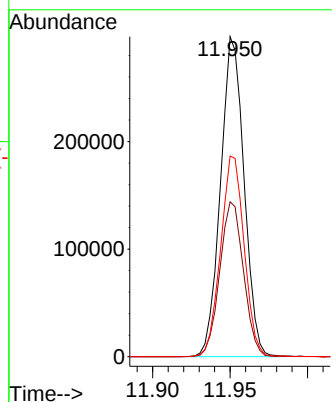
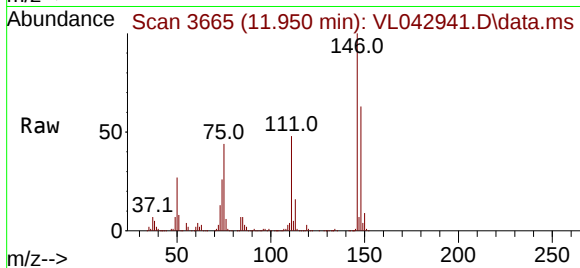
Tgt Ion:146 Resp: 313725

Ion Ratio Lower Upper

146 100

111 48.9 24.6 73.8

148 62.7 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 10.433 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

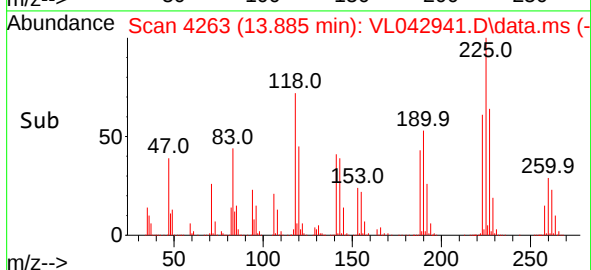
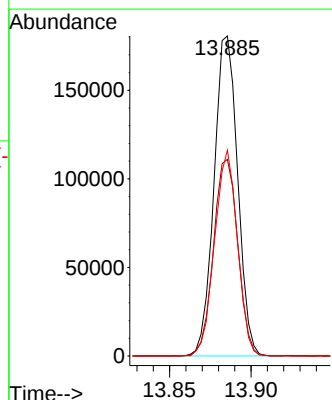
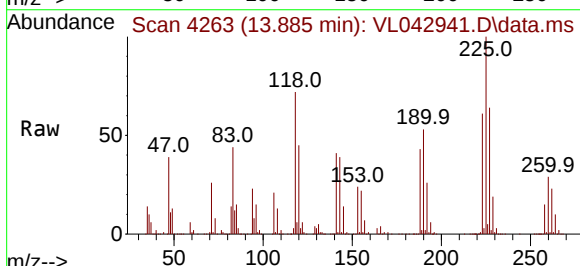
Tgt Ion:225 Resp: 181815

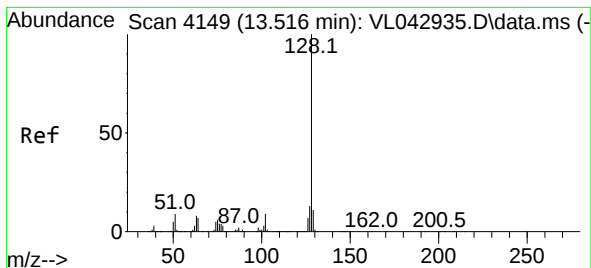
Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 62.1 50.5 75.7





#79

Naphthalene

Concen: 10.255 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

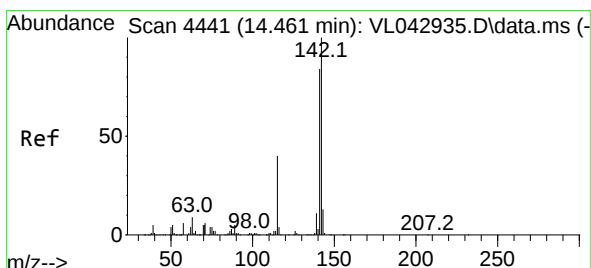
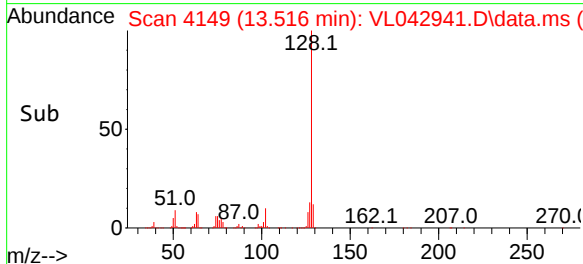
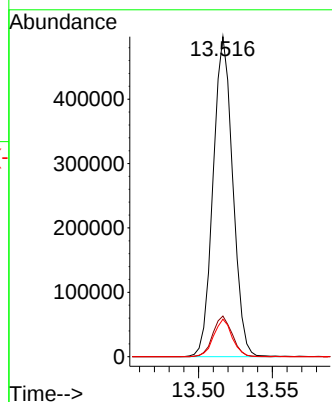
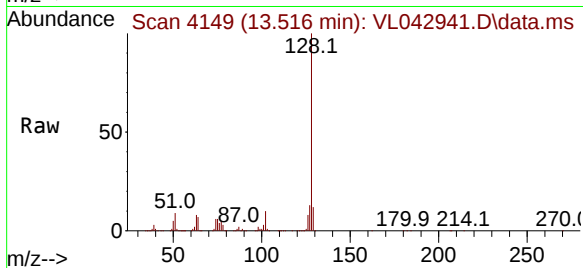
Tgt Ion:128 Resp: 460449

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.7 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 7.532 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.001 min

Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

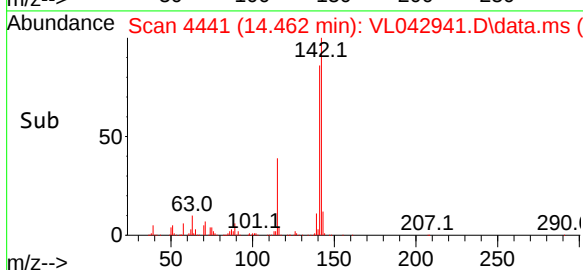
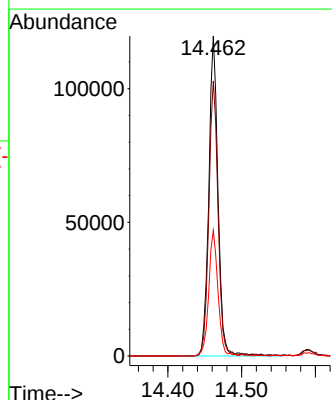
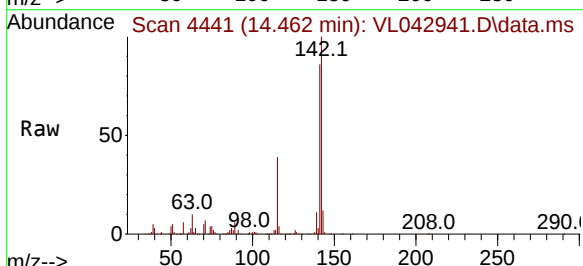
Tgt Ion:142 Resp: 103880

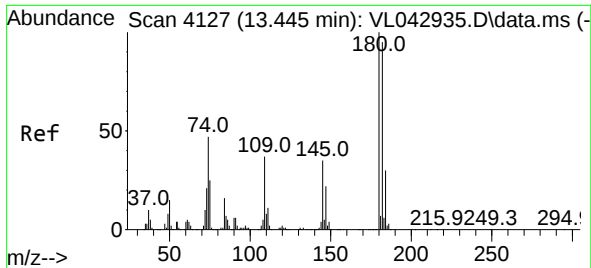
Ion Ratio Lower Upper

142 100

141 87.0 67.0 100.6

115 39.3 32.0 48.0





#81

1,2,4-Trichlorobenzene

Concen: 10.226 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

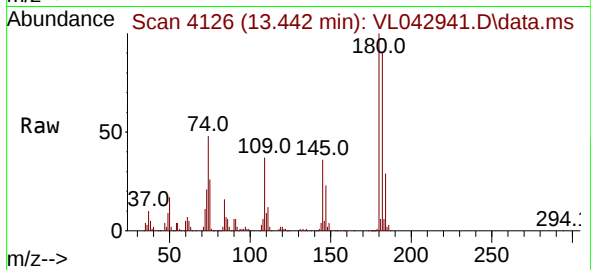
Lab File: VL042941.D

Acq: 18 Sep 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 220342

Ion Ratio Lower Upper

180 100

182 93.7 75.5 113.3

184 30.1 24.6 37.0

