

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042842.D
 Acq On : 13 Aug 2025 08:30
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Aug 14 01:45:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	133104	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	413632	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	370372	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279557	10.064	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	178799	9.166	ppbv	100
3) Chlorodifluoromethane	1.476	51	200866	9.306	ppbv	100
4) Chloromethane	1.534	50	70952	9.013	ppbv	100
5) Vinyl Chloride	1.583	62	66768	8.612	ppbv	100
6) Bromomethane	1.670	94	26964	8.698	ppbv	100
7) Chloroethane	1.706	64	26884	8.879	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	149341	9.355	ppbv	100
9) Propene	1.486	41	87352	9.380	ppbv	100
10) Heptane	4.988	43	228679	9.186	ppbv	100
11) Trichlorofluoromethane	1.881	101	169157	8.789	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	139340	9.083	ppbv	100
13) Ethanol	1.722	45	6172	6.690	ppbv	100
14) Bromoethene	1.784	108	50730	9.135	ppbv	100
15) Acetone	1.839	43	126419	7.180	ppbv	100
16) 1,3-Butadiene	1.612	39	66595	8.343	ppbv	100
17) tert-Butyl alcohol	2.043	59	182511	8.741	ppbv	100
18) 1,1-Dichloroethene	2.036	96	62397	9.252	ppbv	100
19) Isopropyl Alcohol	1.887	45	86367	8.213	ppbv	100
20) Methylene Chloride	2.065	84	55107	7.471	ppbv	100
21) Allyl Chloride	2.098	41	113105	9.093	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	71518	9.482	ppbv	100
23) Vinyl Acetate	2.467	43	221395	9.558	ppbv	100
24) 1,1-Dichloroethane	2.412	63	138444	8.885	ppbv	100
25) Ethyl Acetate	2.839	43	390295	9.159	ppbv	100
26) Hexane	2.829	57	185288	9.420	ppbv	100
27) Carbon Disulfide	2.153	76	174928	9.138	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	87929	8.767	ppbv	100
29) Chloroform	2.852	83	257176	9.158	ppbv	100
30) Cyclohexane	3.862	84	161540	9.367	ppbv	100
31) cis-1,2-Dichloroethene	2.726	61	179162	9.107	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	266021	8.946	ppbv	100
34) 2-Butanone	2.560	43	252300	9.033	ppbv	100
35) Carbon Tetrachloride	3.771	117	262983	9.222	ppbv	100
36) Benzene	3.664	78	377113	9.521	ppbv	100
37) 1,2-Dichloroethane	3.224	62	199762	9.653	ppbv	100
38) Trichloroethene	4.557	130	164881	9.115	ppbv	100
39) 1,2-Dichloropropane	4.324	63	133996	9.263	ppbv	100
40) 1,4-Dioxane	4.590	88	61378	9.064	ppbv #	100
41) Tetrahydrofuran	3.059	42	147025	9.442	ppbv	100
42) Bromodichloromethane	4.499	83	292909	9.499	ppbv	100
43) Methyl Methacrylate	4.891	69	152035	9.357	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	626465	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	177207	9.616	ppbv	100

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Instrument :
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 ClientSampleId :
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Quant Time: Aug 14 01:45:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	222921	9.635	ppbv	100
47) 1,1,2-Trichloroethane	6.590	97	141105	9.215	ppbv	100
48) Dibromochloromethane	7.396	129	241553	9.739	ppbv	100
49) Bromoform	9.490	173	202975	9.923	ppbv	100
50) 4-Methyl-2-Pentanone	5.761	43	364306	9.616	ppbv	100
51) 2-Hexanone	7.441	43	289052	9.730	ppbv #	100
52) Tetrachloroethene	8.234	164	129484	9.026	ppbv	100
53) Toluene	6.943	91	443400	9.407	ppbv	100
54) 1,2-Dibromoethane	7.661	107	209330	9.345	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.933	131	176135	9.196	ppbv	100
57) Chlorobenzene	8.930	112	325303	9.237	ppbv	100
58) Ethyl Benzene	9.364	91	605785	9.268	ppbv	100
59) m/p-Xylene	9.542	91	539072	10.505	ppbv #	100
60) o-Xylene	9.972	91	469073	9.102	ppbv	100
61) Styrene	9.879	104	226056	9.362	ppbv	100
62) Isopropylbenzene	10.549	105	685983	9.108	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	249621	8.870	ppbv	100
64) n-propylbenzene	10.995	120	175986	9.158	ppbv	100
65) tert-Butylbenzene	11.539	119	594314	8.951	ppbv	100
66) Benzyl Chloride	11.620	91	84156	9.985	ppbv	100
67) sec-Butylbenzene	11.772	105	833378	8.943	ppbv	100
69) p-Isopropyltoluene	11.931	119	705700	8.820	ppbv	100
70) n-Butylbenzene	12.287	91	713713	8.995	ppbv	100
71) 2-Chlorotoluene	10.908	91	525235	8.981	ppbv	100
72) 4-Ethyltoluene	11.131	105	578931	9.267	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	478784	9.012	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	516253	8.853	ppbv	100
75) 1,3-Dichlorobenzene	11.613	146	307640	9.280	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	308542	9.203	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	289119	8.907	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	211996	7.968	ppbv	100
79) Naphthalene	13.516	128	487174	9.335	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	176880	9.000	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	244998	9.220	ppbv	100

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

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Instrument :
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ClientSampleId :
VSTDICCC010

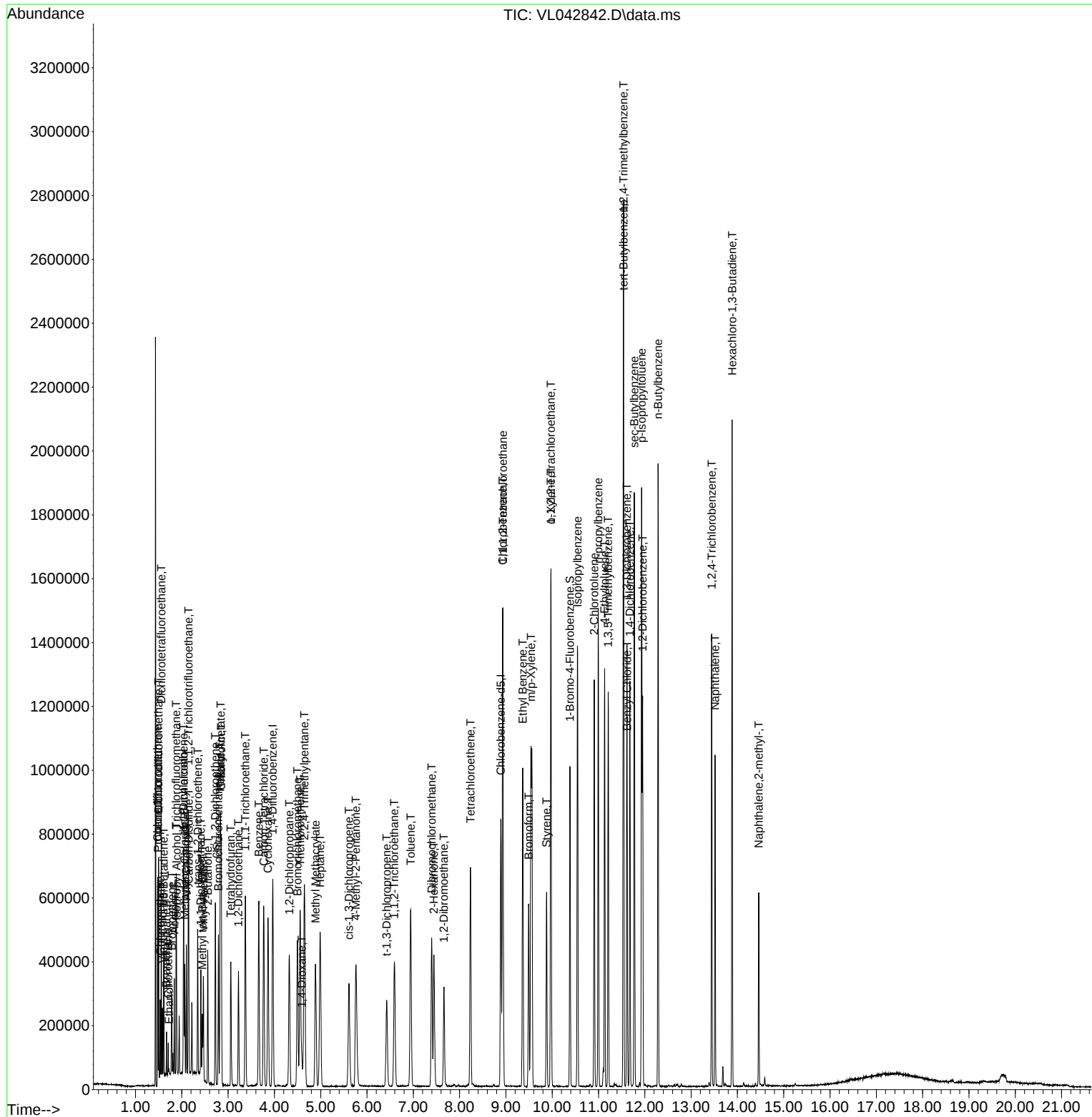
Quant Time: Aug 14 01:45:27 2025

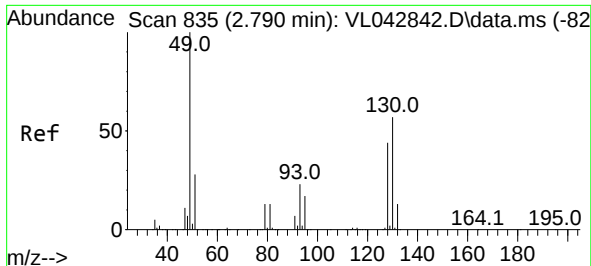
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

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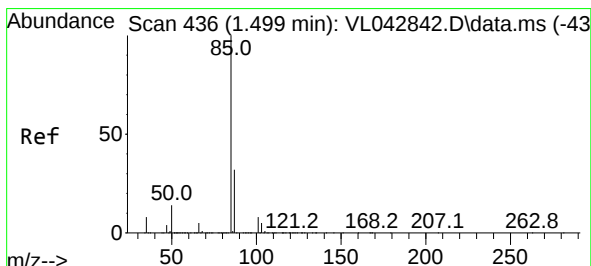
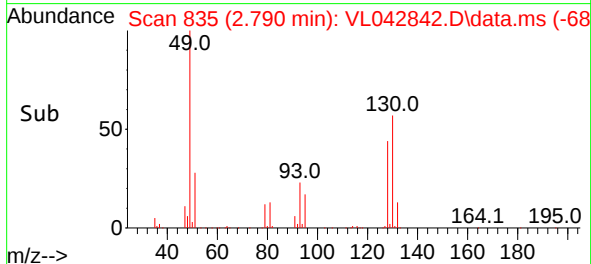
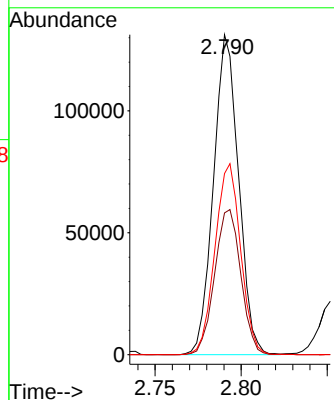
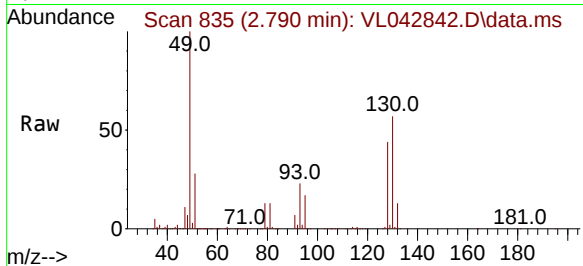




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 835
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

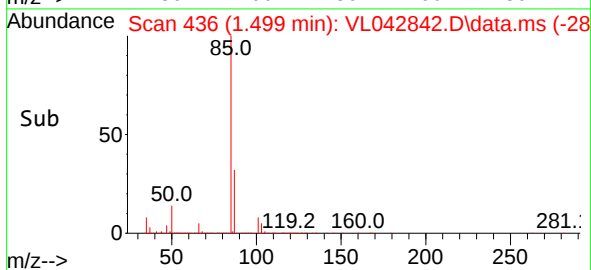
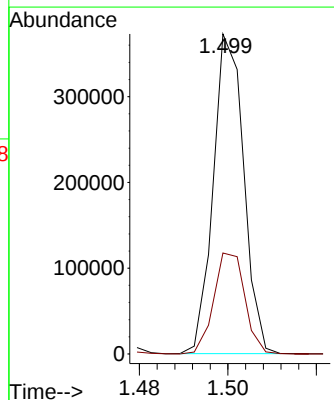
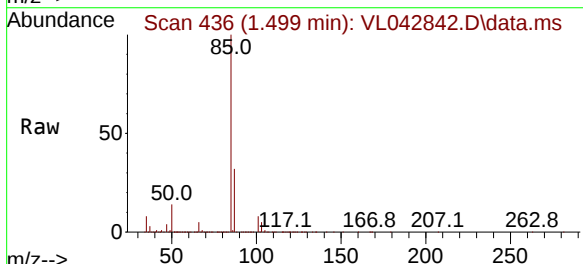
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

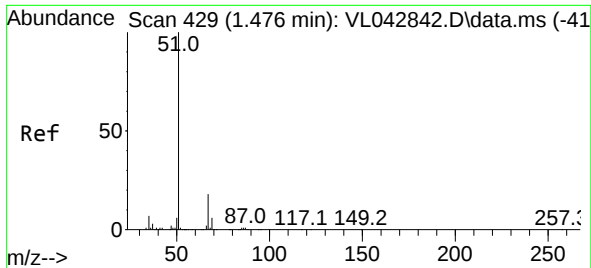
Tgt Ion: 49 Resp: 133104
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.7 71.1
 130 61.1 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 9.166 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 85 Resp: 178799
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.3 37.9

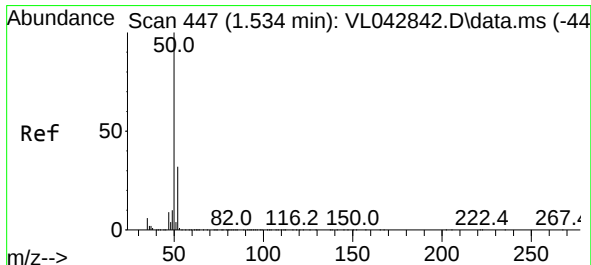
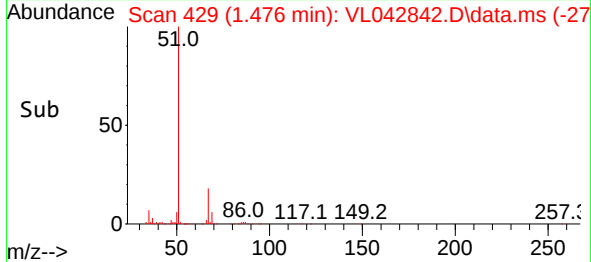
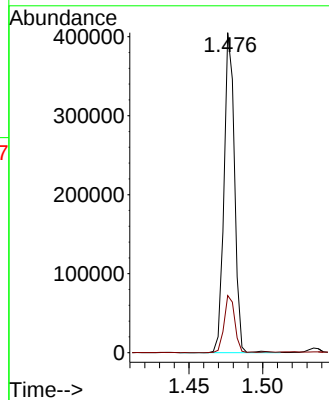
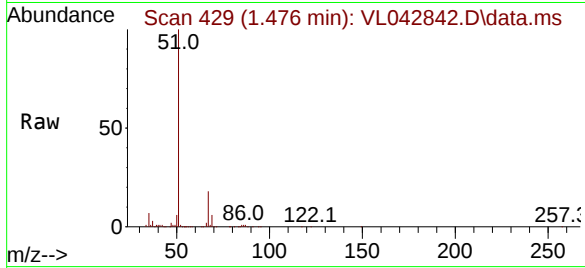




#3
 Chlorodifluoromethane
 Concen: 9.306 ppbv
 RT: 1.476 min Scan# 429
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

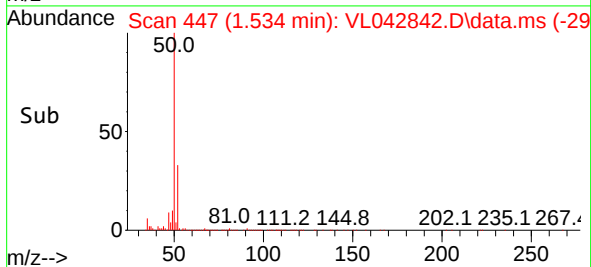
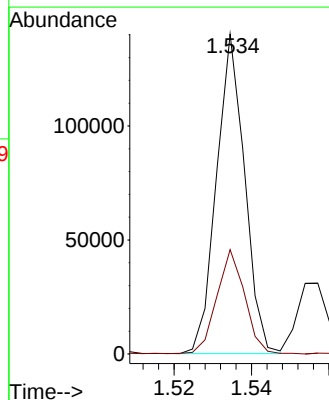
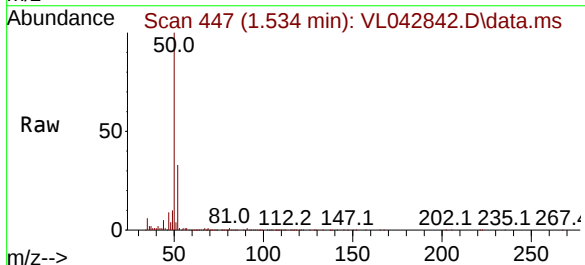
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

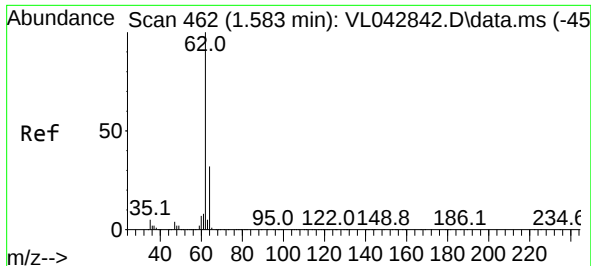
Tgt Ion: 51 Resp: 200866
 Ion Ratio Lower Upper
 51 100
 67 18.6 14.9 22.3



#4
 Chloromethane
 Concen: 9.013 ppbv
 RT: 1.534 min Scan# 447
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 50 Resp: 70952
 Ion Ratio Lower Upper
 50 100
 52 32.4 25.9 38.9

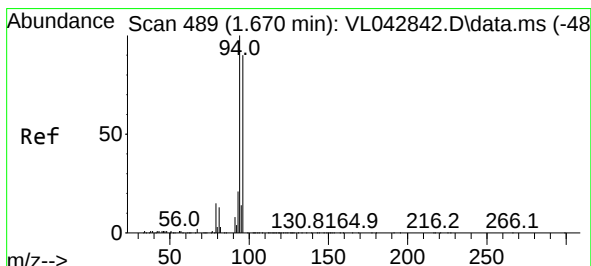
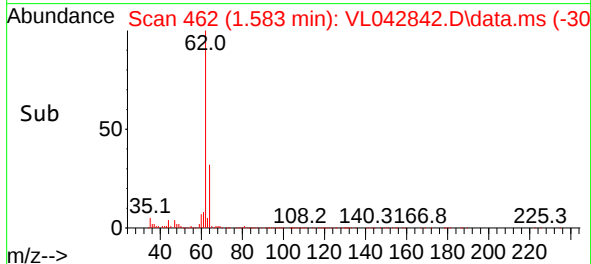
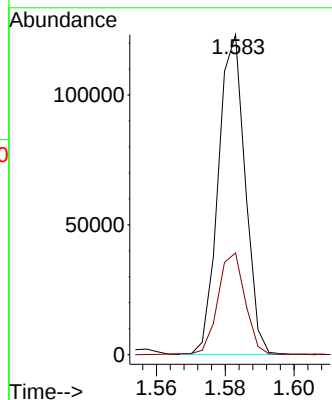
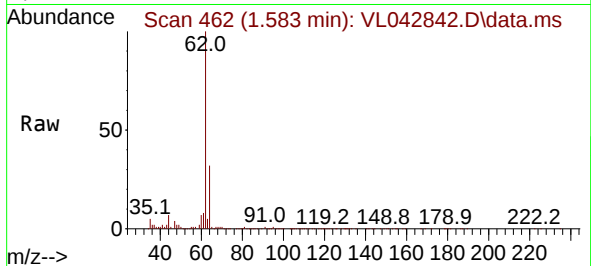




#5
 Vinyl Chloride
 Concen: 8.612 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

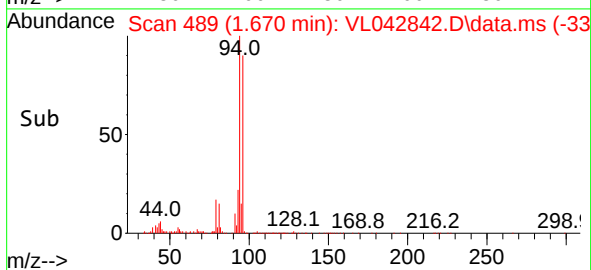
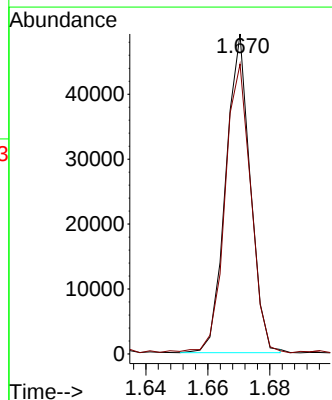
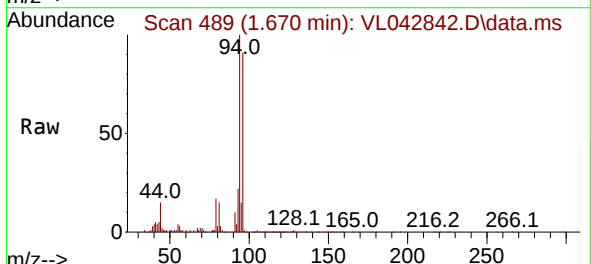
Instrument :
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 ClientSampleId :
 VSTDICCC010

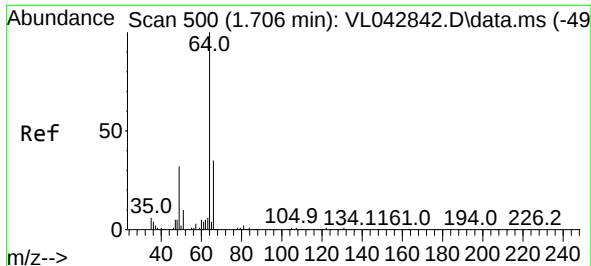
Tgt Ion: 62 Resp: 66768
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.4 38.2



#6
 Bromomethane
 Concen: 8.698 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 94 Resp: 26964
 Ion Ratio Lower Upper
 94 100
 96 90.1 72.1 108.1

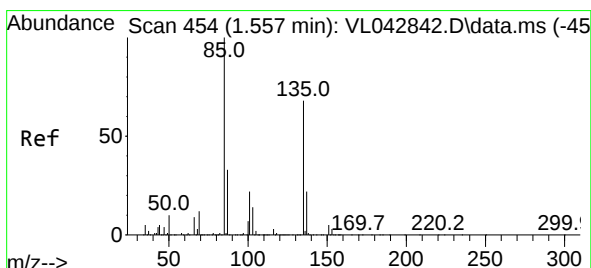
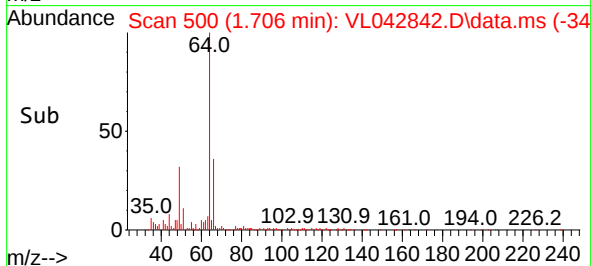
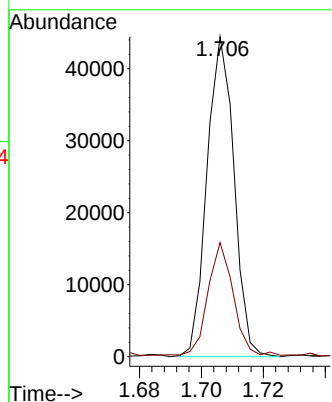
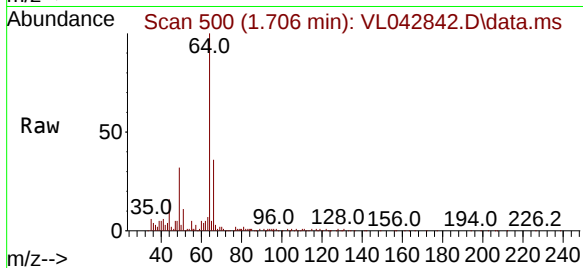




#7
Chloroethane
Concen: 8.879 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

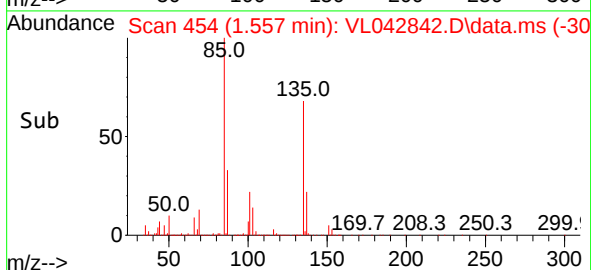
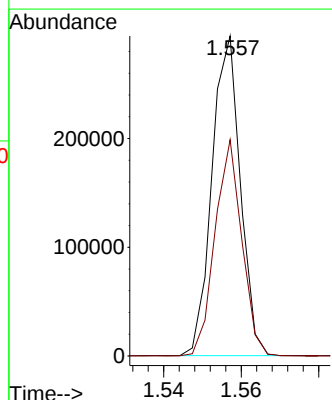
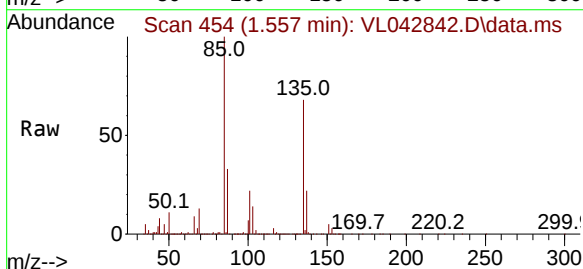
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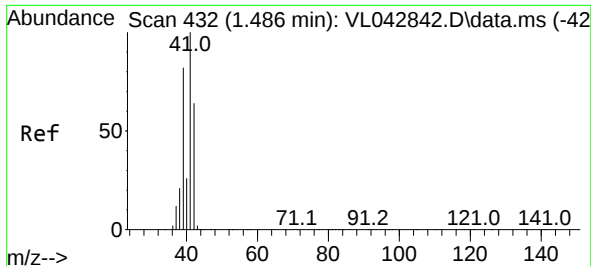
Tgt Ion: 64 Resp: 26884
Ion Ratio Lower Upper
64 100
66 35.7 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 9.355 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 85 Resp: 149341
Ion Ratio Lower Upper
85 100
135 64.0 51.2 76.8





#9

Propene

Concen: 9.380 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

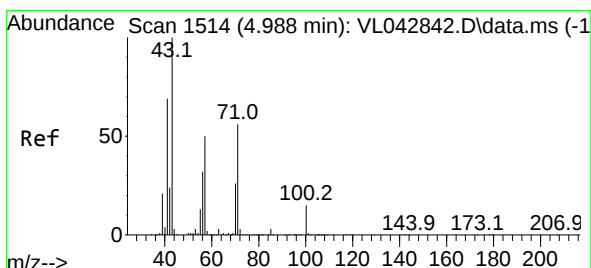
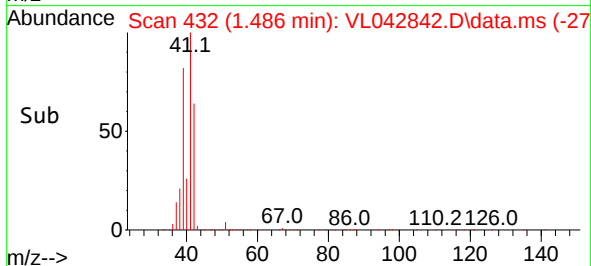
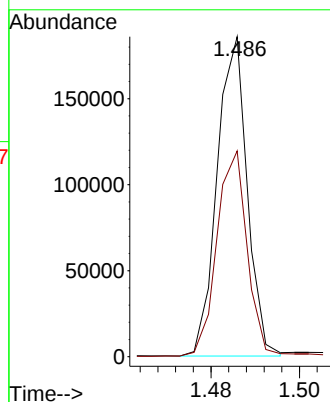
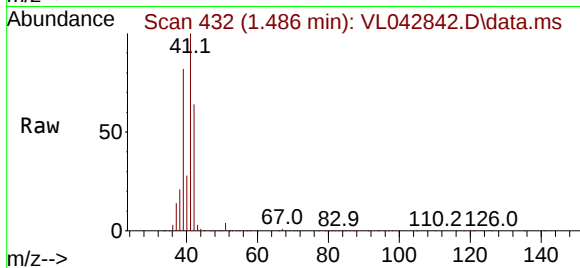
VSTDICCC010

Tgt Ion: 41 Resp: 87352

Ion Ratio Lower Upper

41 100

42 66.2 53.0 79.4



#10

Heptane

Concen: 9.186 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL042842.D

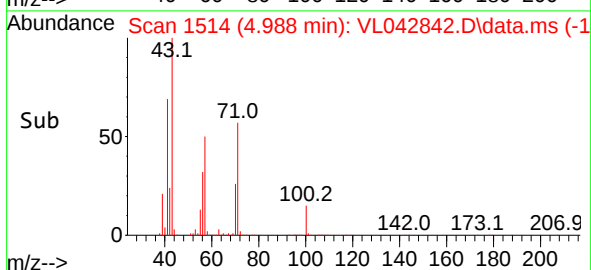
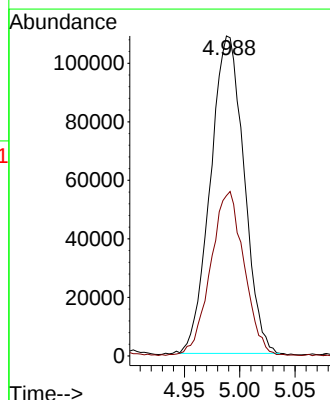
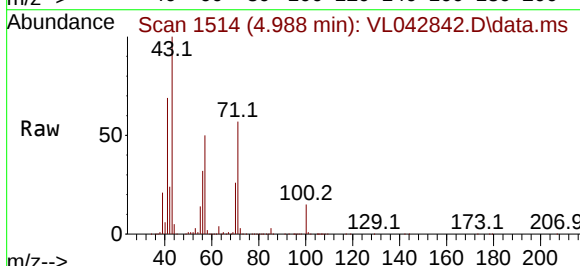
Acq: 13 Aug 2025 08:30

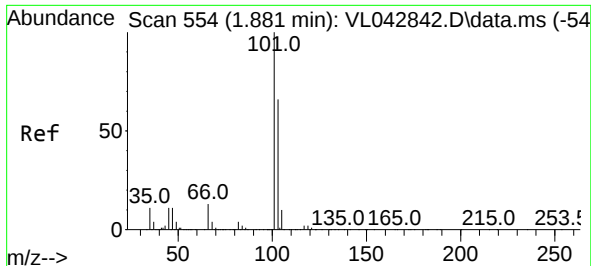
Tgt Ion: 43 Resp: 228679

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.0

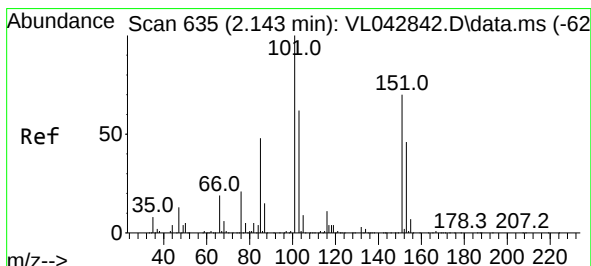
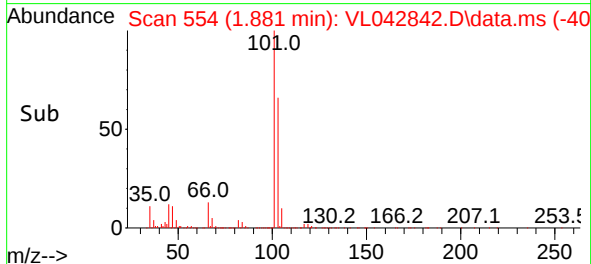
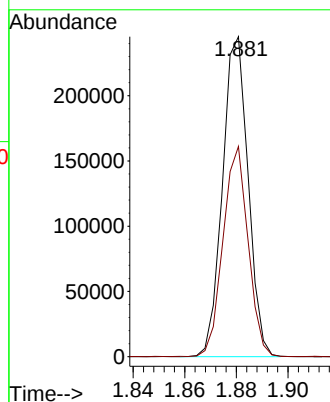
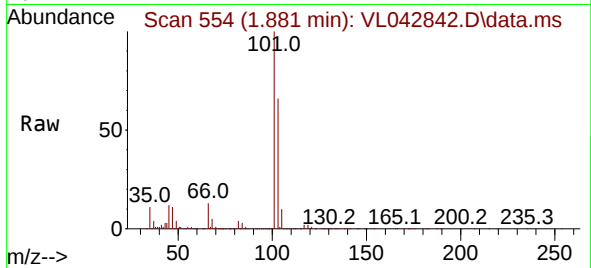




#11
 Trichlorofluoromethane
 Concen: 8.789 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

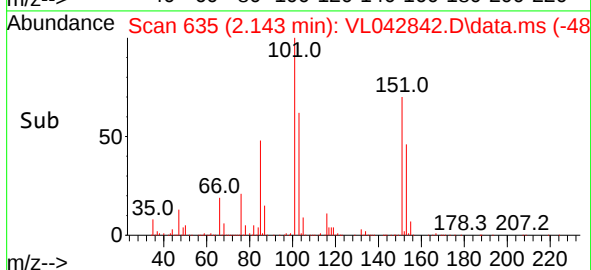
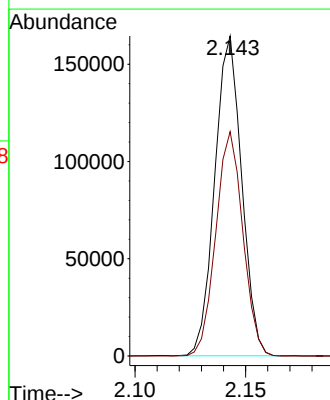
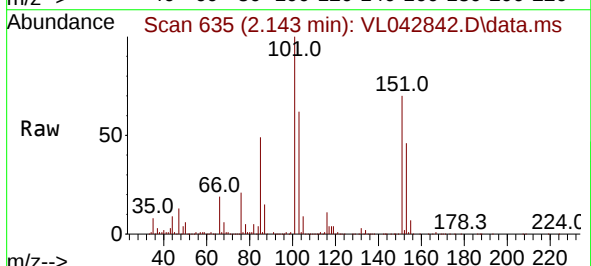
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

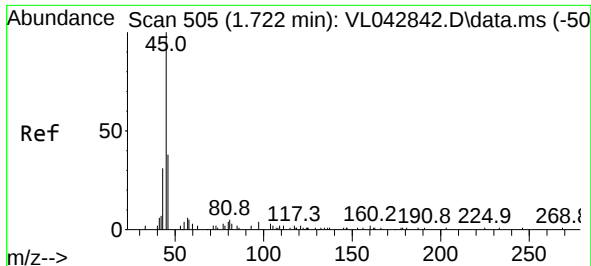
Tgt Ion:101 Resp: 169157
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.083 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion:101 Resp: 139340
 Ion Ratio Lower Upper
 101 100
 151 70.5 56.4 84.6





#13

Ethanol

Concen: 6.690 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

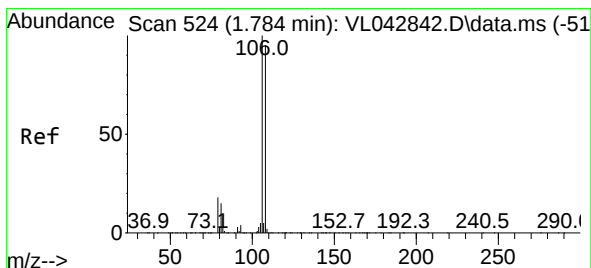
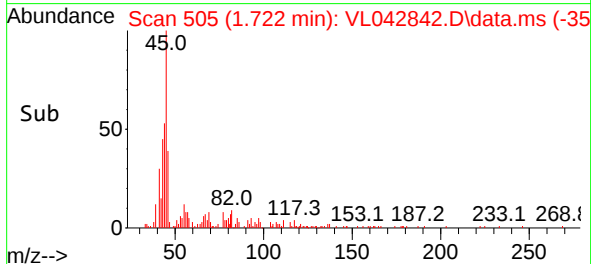
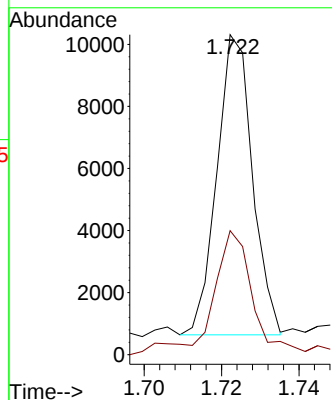
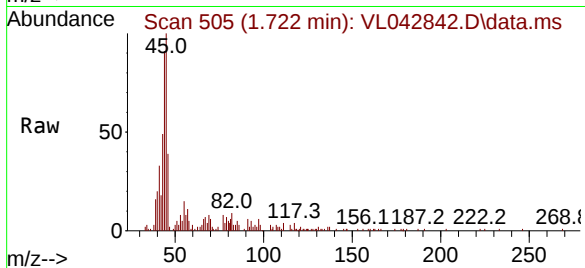
VSTDICCC010

Tgt Ion: 45 Resp: 6172

Ion Ratio Lower Upper

45 100

46 43.7 17.5 69.9



#14

Bromoethene

Concen: 9.135 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

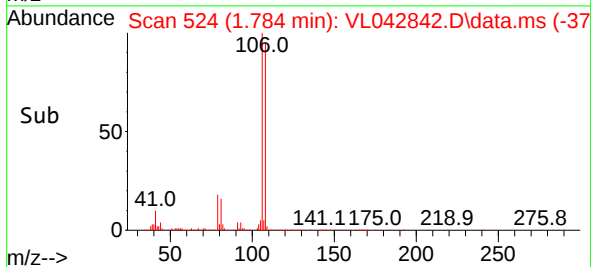
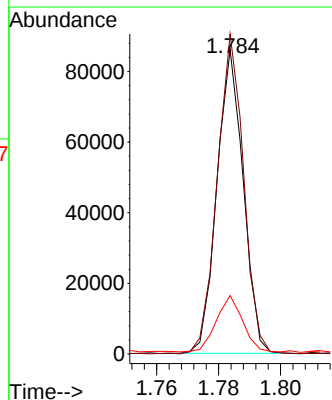
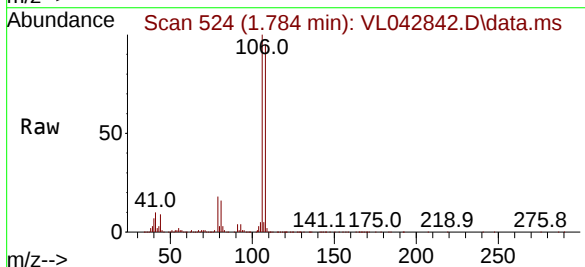
Tgt Ion: 108 Resp: 50730

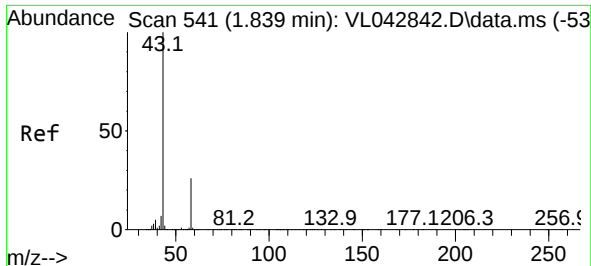
Ion Ratio Lower Upper

108 100

106 106.4 85.1 127.7

79 20.4 16.3 24.5

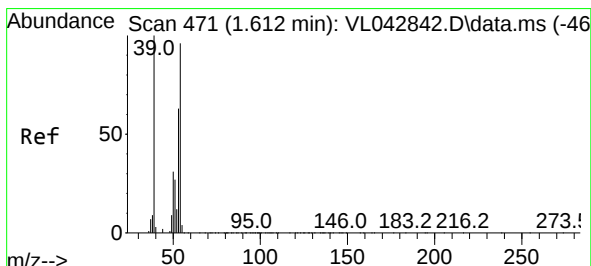
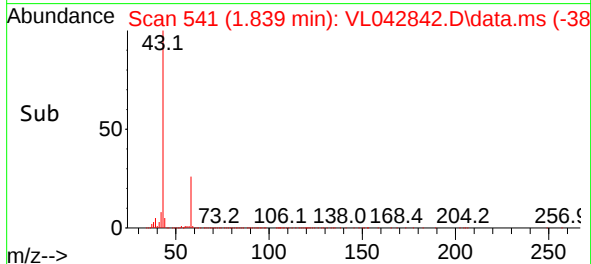
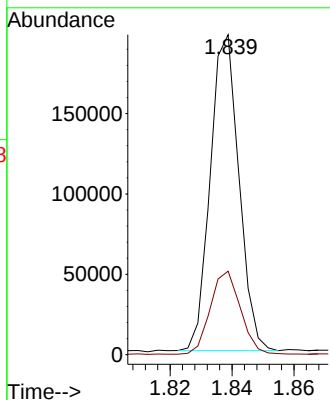
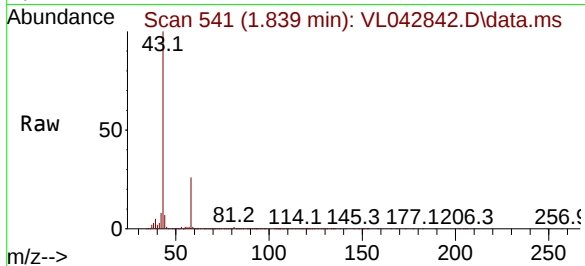




#15
Acetone
Concen: 7.180 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

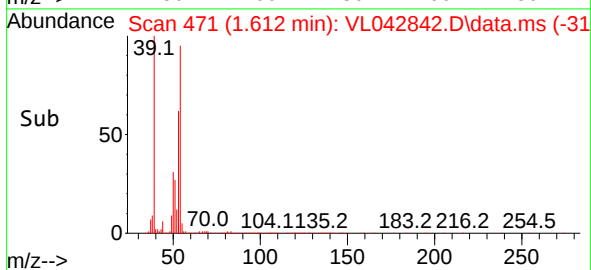
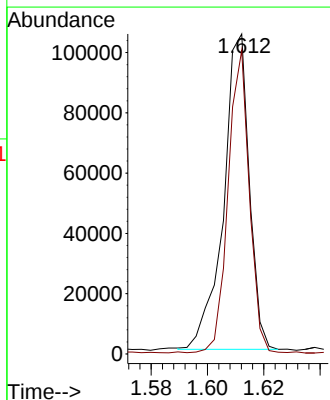
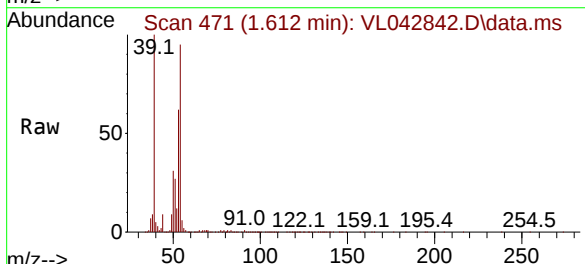
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

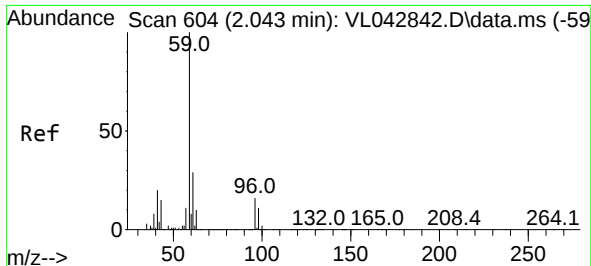
Tgt Ion: 43 Resp: 126419
Ion Ratio Lower Upper
43 100
58 28.0 22.4 33.6



#16
1,3-Butadiene
Concen: 8.343 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 39 Resp: 66595
Ion Ratio Lower Upper
39 100
54 79.5 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.741 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_1

ClientSampleId :

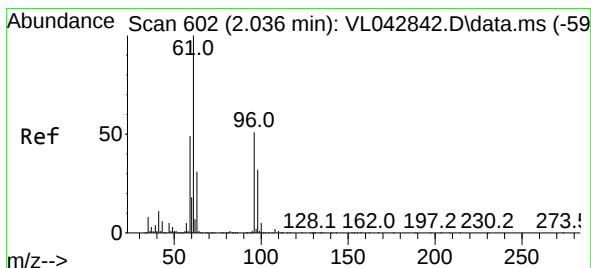
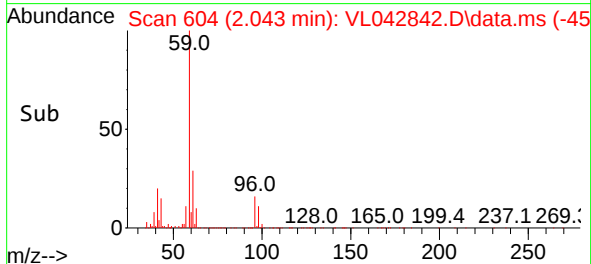
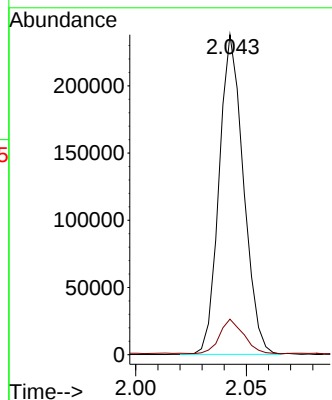
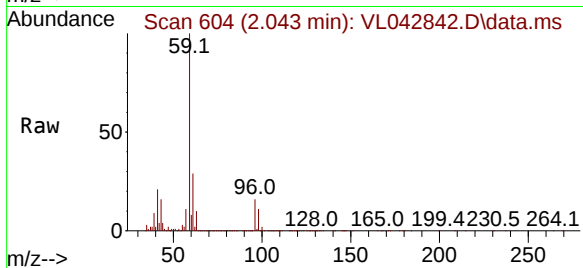
VSTDICCC010

Tgt Ion: 59 Resp: 182511

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4



#18

1,1-Dichloroethene

Concen: 9.252 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

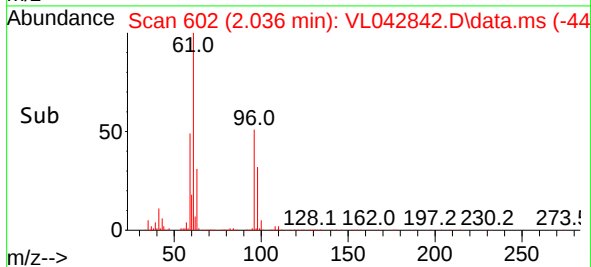
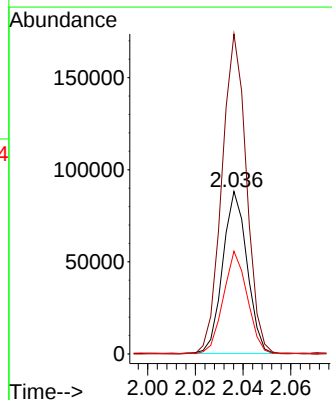
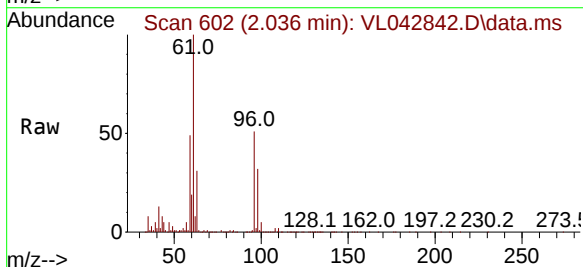
Tgt Ion: 96 Resp: 62397

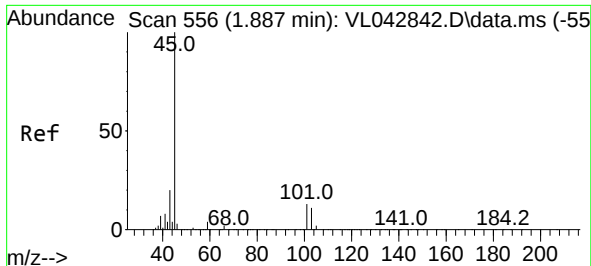
Ion Ratio Lower Upper

96 100

61 197.8 158.2 237.4

98 63.3 50.6 76.0

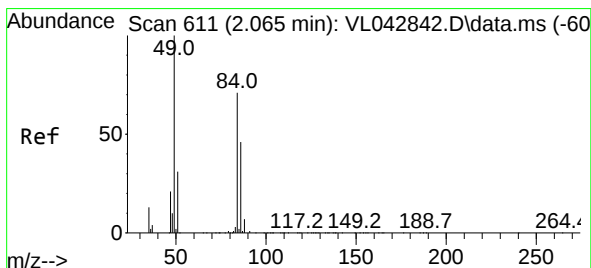
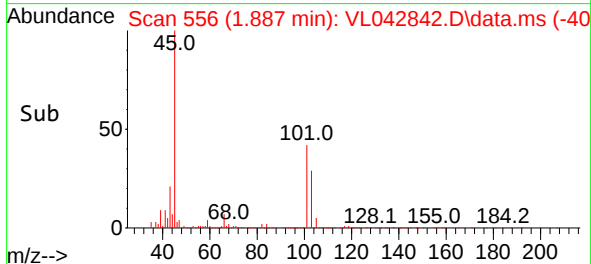
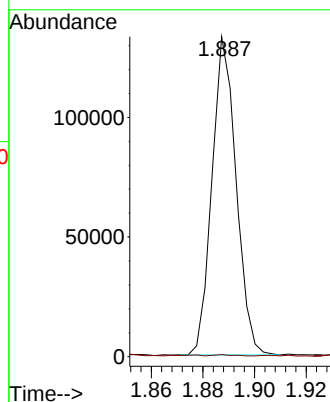
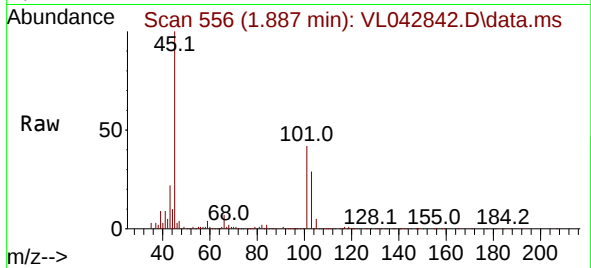




#19
Isopropyl Alcohol
Concen: 8.213 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

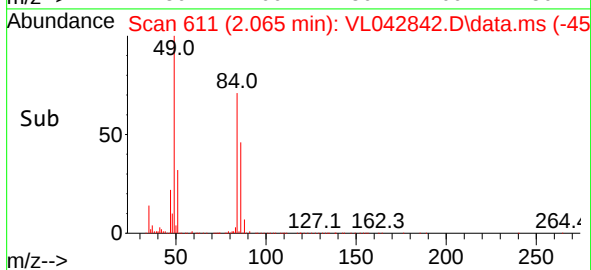
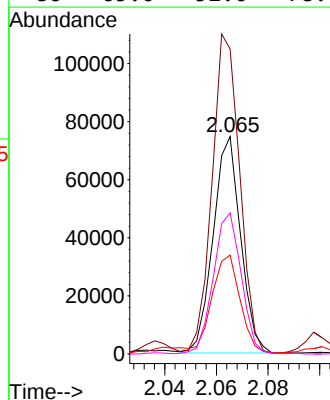
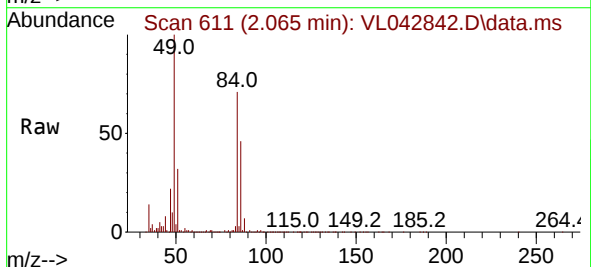
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

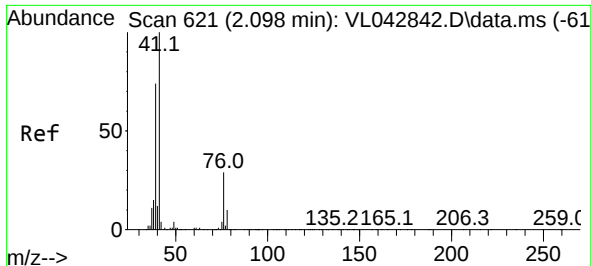
Tgt Ion: 45 Resp: 86367
Ion Ratio Lower Upper
45 100
58 40.9 32.7 49.1



#20
Methylene Chloride
Concen: 7.471 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 84 Resp: 55107
Ion Ratio Lower Upper
84 100
49 140.4 112.3 168.5
51 45.0 36.0 54.0
86 65.0 52.0 78.0





#21

Allyl Chloride

Concen: 9.093 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

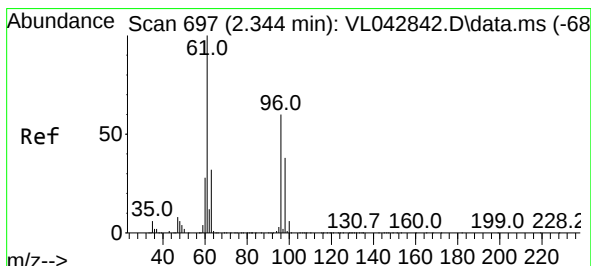
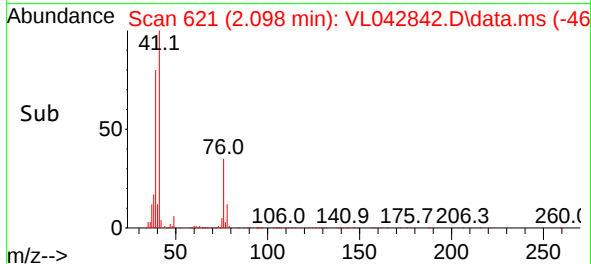
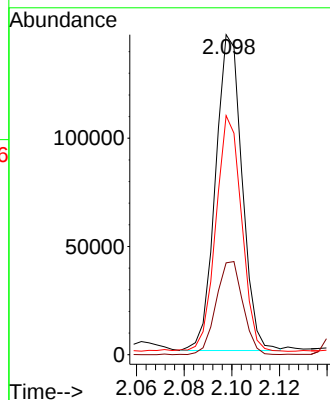
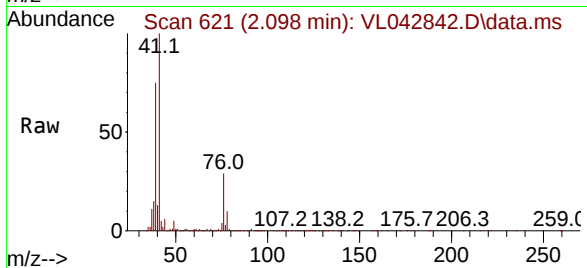
Tgt Ion: 41 Resp: 113105

Ion Ratio Lower Upper

41 100

76 29.9 23.9 35.9

39 72.2 57.8 86.6



#22

trans-1,2-Dichloroethene

Concen: 9.482 ppbv

RT: 2.344 min Scan# 697

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

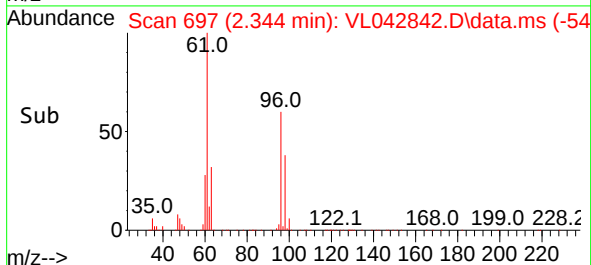
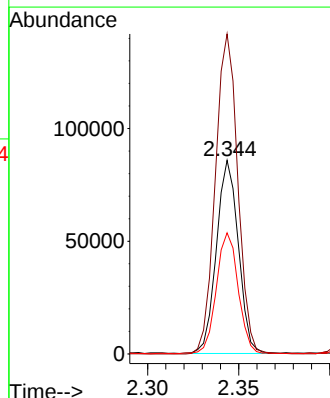
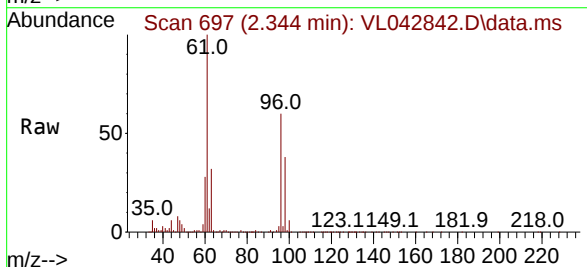
Tgt Ion: 96 Resp: 71518

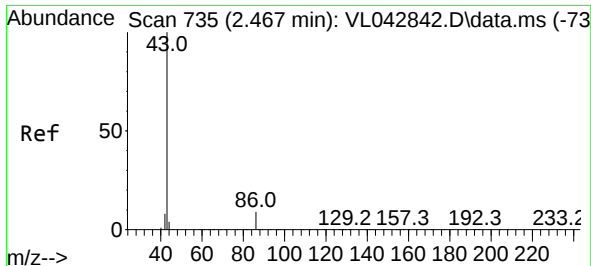
Ion Ratio Lower Upper

96 100

61 165.8 132.6 199.0

98 62.5 50.0 75.0



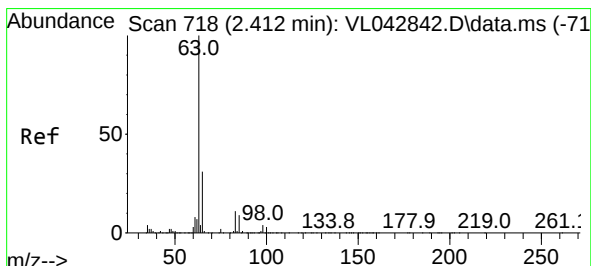
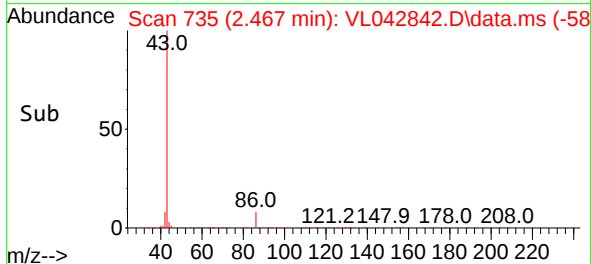
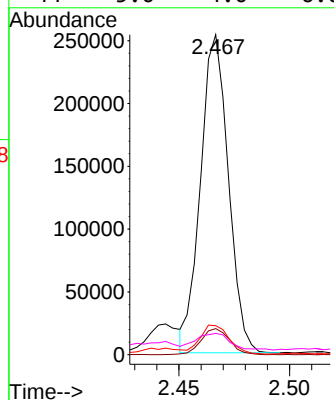
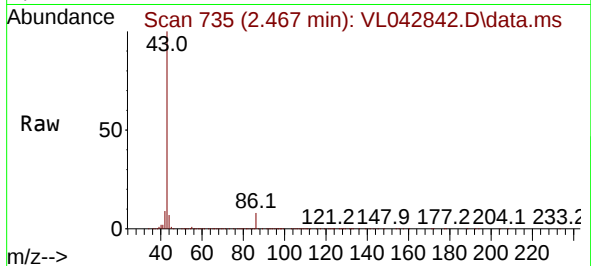


#23
 Vinyl Acetate
 Concen: 9.558 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 221395

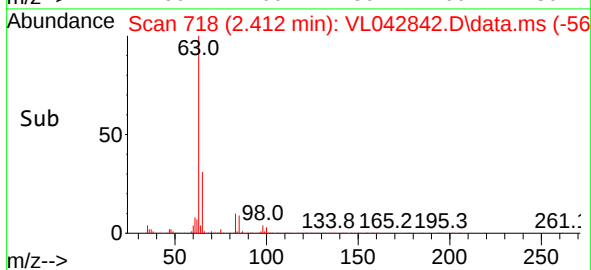
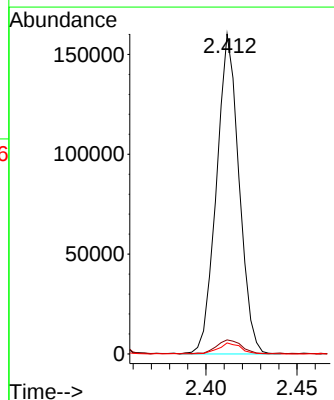
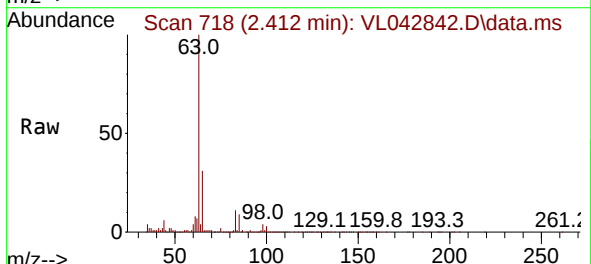
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.8	7.0	10.6
44	5.0	4.0	6.0



#24
 1,1-Dichloroethane
 Concen: 8.885 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 63 Resp: 138444

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	3.4	1.7	5.1

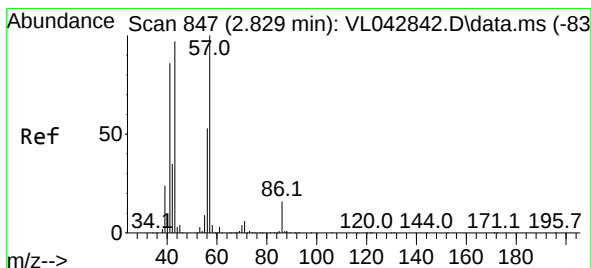
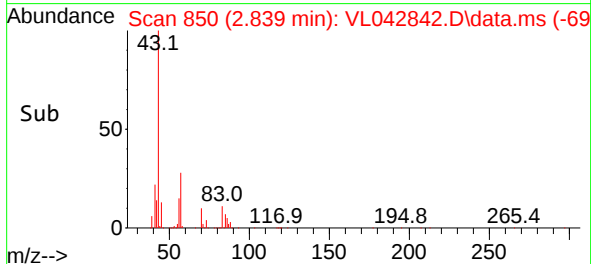
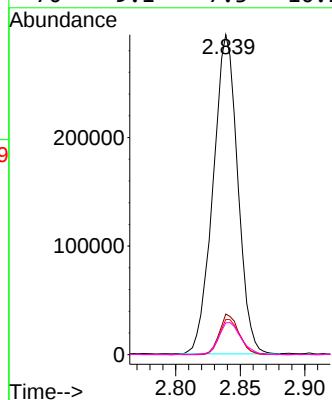
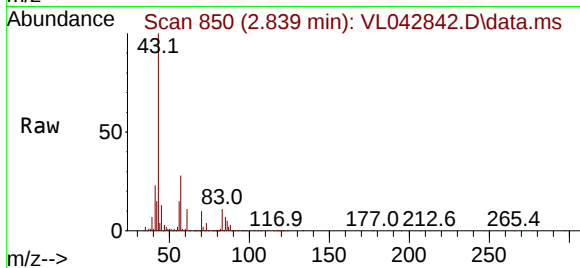




#25
Ethyl Acetate
Concen: 9.159 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

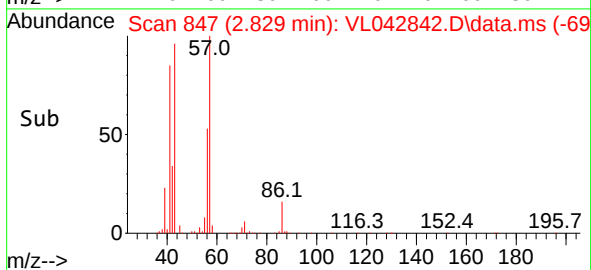
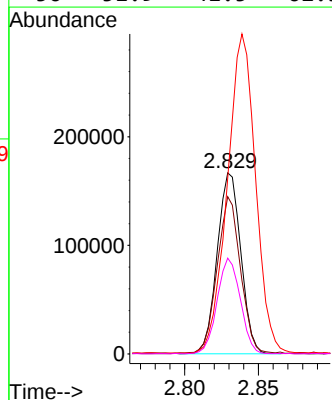
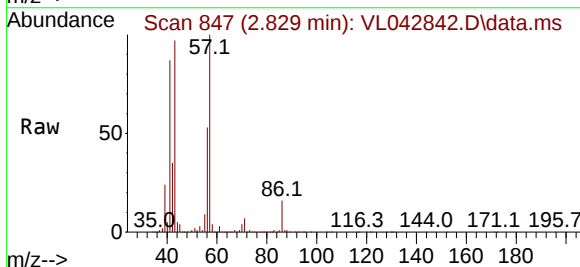
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

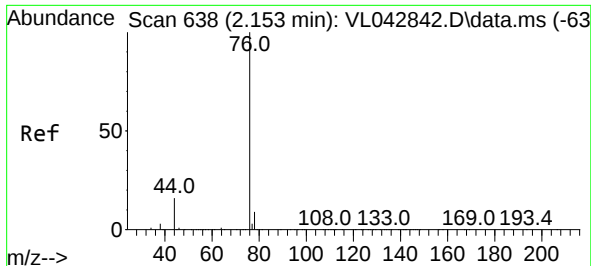
Tgt Ion:	43	Resp:	390295
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.3	7.4	11.2
70	9.1	7.3	10.9



#26
Hexane
Concen: 9.420 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:	57	Resp:	185288
Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.6	103.0
43	210.6	168.5	252.7
56	51.9	41.5	62.3





#27

Carbon Disulfide

Concen: 9.138 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

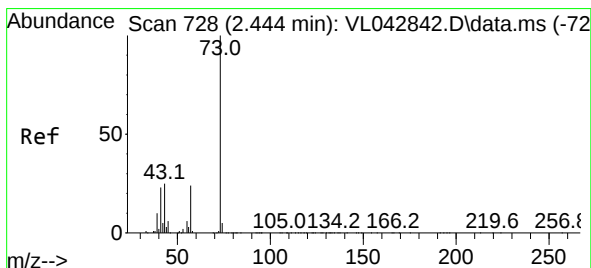
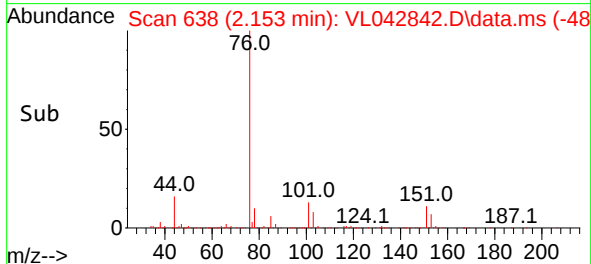
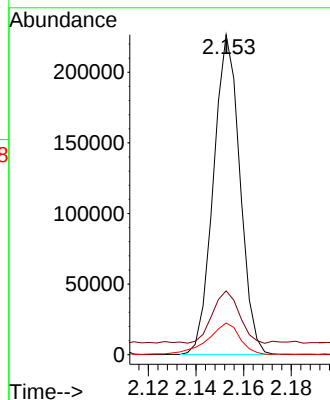
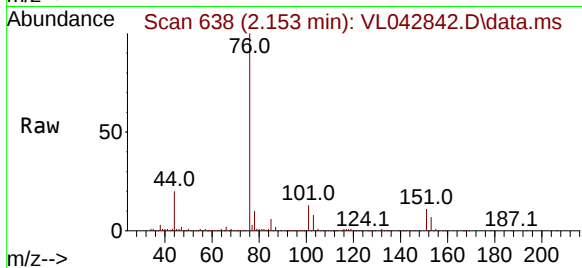
Tgt Ion: 76 Resp: 174928

Ion Ratio Lower Upper

76 100

44 19.9 15.9 23.9

78 11.9 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 8.767 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.000 min

Lab File: VL042842.D

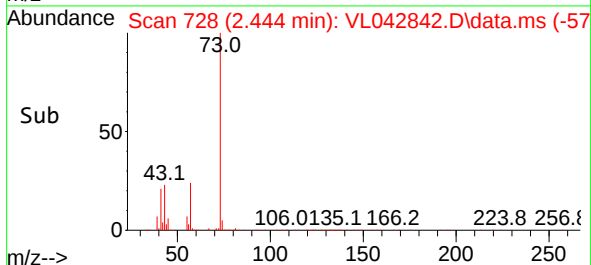
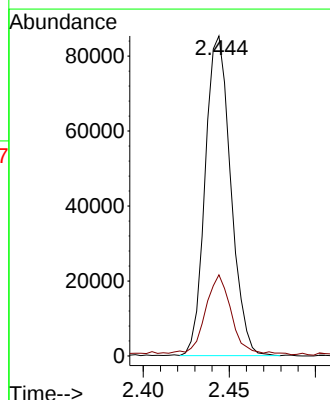
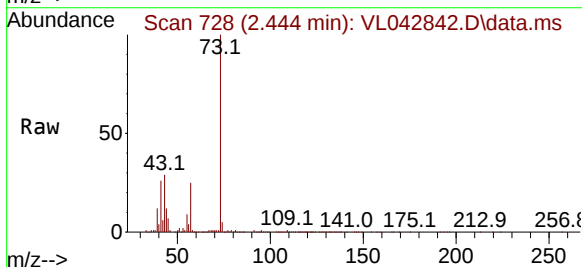
Acq: 13 Aug 2025 08:30

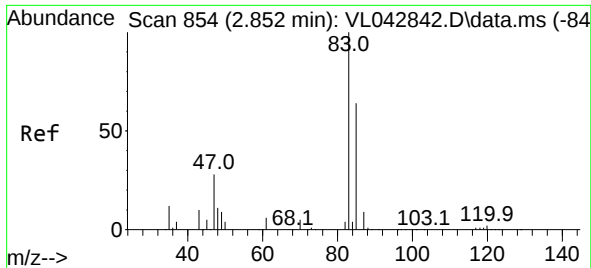
Tgt Ion: 73 Resp: 87929

Ion Ratio Lower Upper

73 100

57 27.0 21.6 32.4

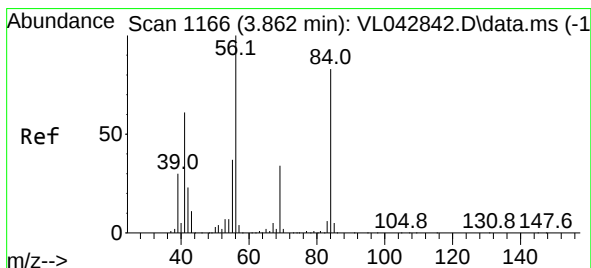
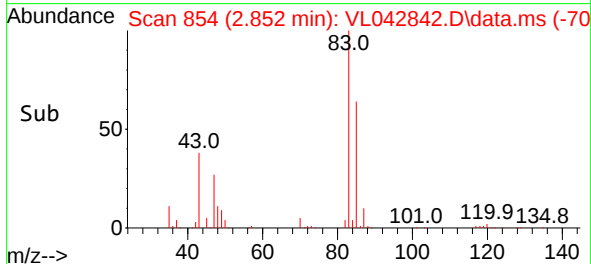
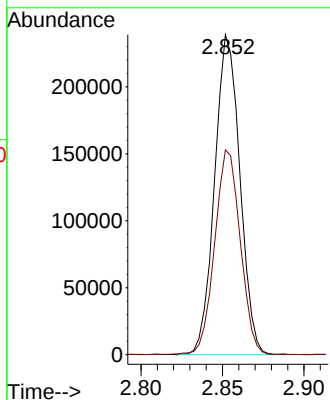
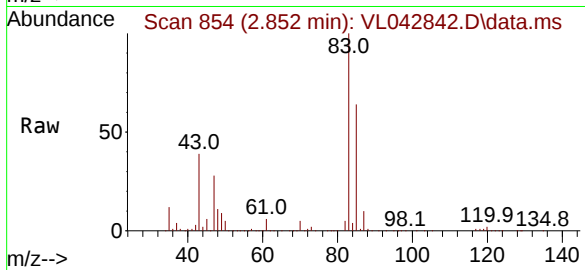




#29
Chloroform
Concen: 9.158 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

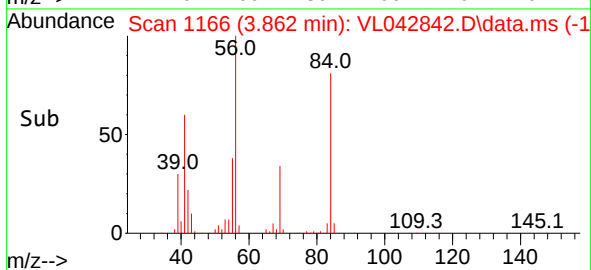
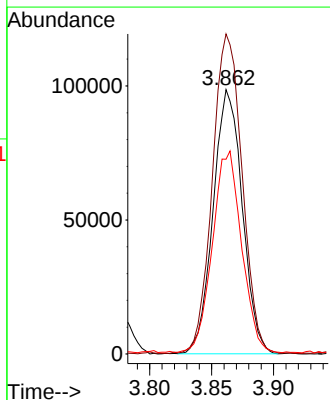
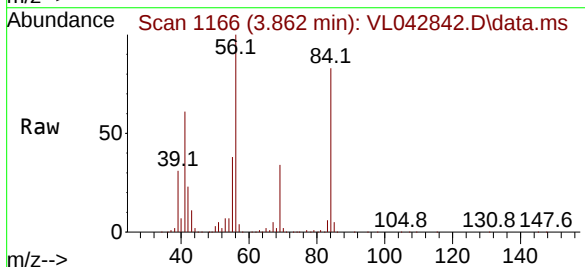
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

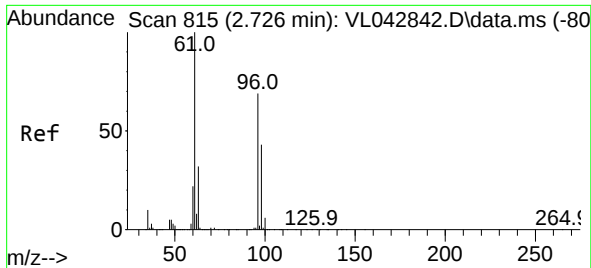
Tgt Ion: 83 Resp: 257176
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7



#30
Cyclohexane
Concen: 9.367 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 84 Resp: 161540
Ion Ratio Lower Upper
84 100
56 123.5 98.8 148.2
41 76.6 61.3 91.9

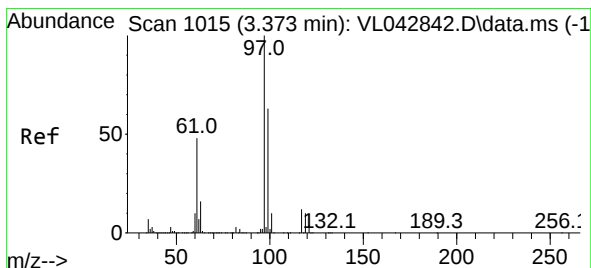
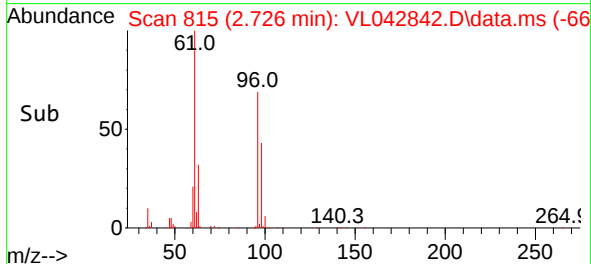
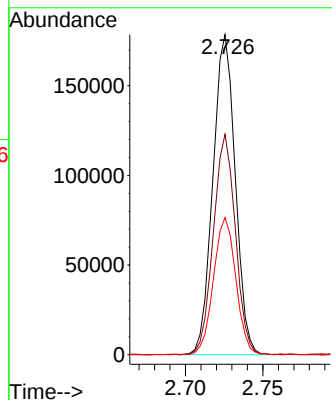
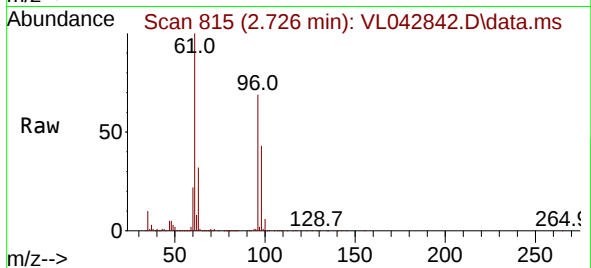




#31
 cis-1,2-Dichloroethene
 Concen: 9.107 ppbv
 RT: 2.726 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

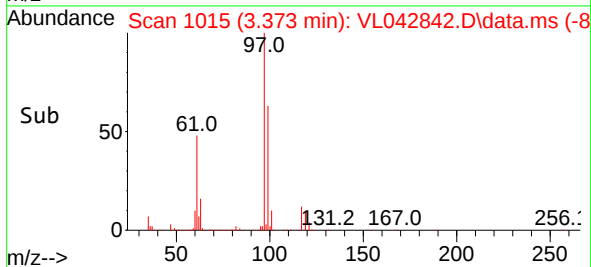
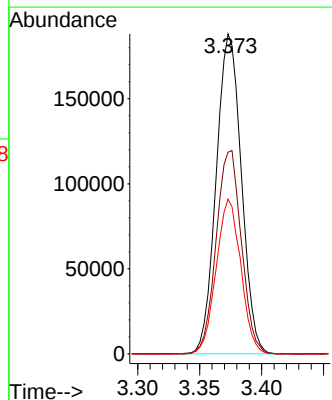
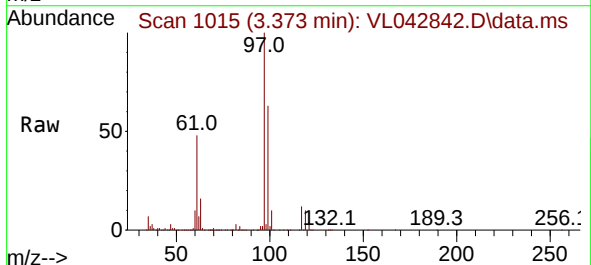
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

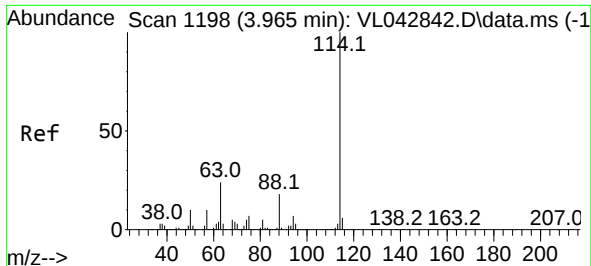
Tgt Ion: 61 Resp: 179162
 Ion Ratio Lower Upper
 61 100
 96 68.8 55.0 82.6
 98 42.9 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 8.946 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 97 Resp: 266021
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 47.5 38.0 57.0

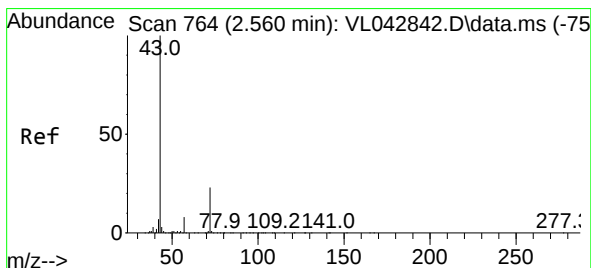
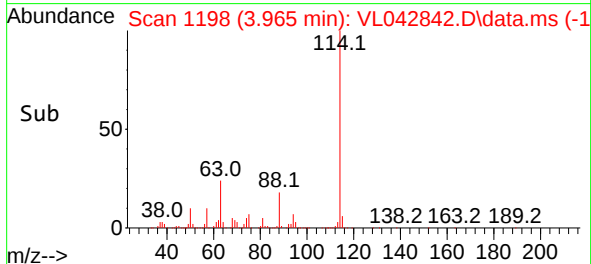
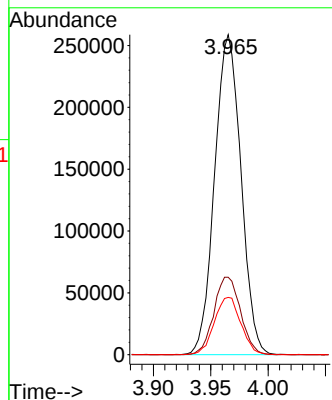
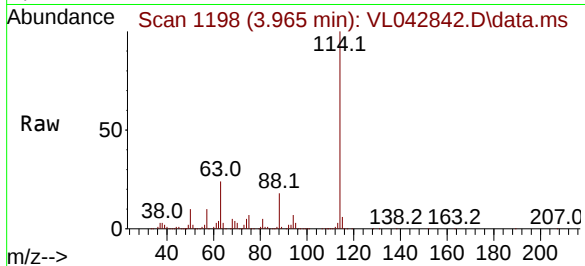




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

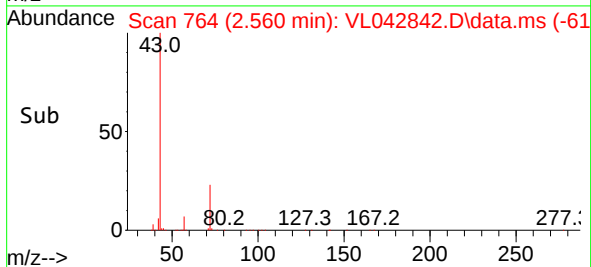
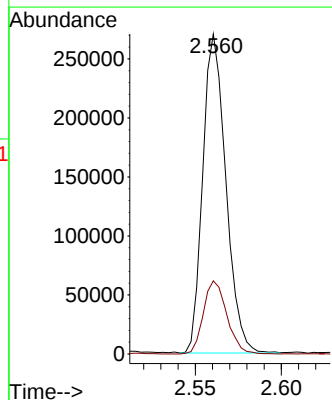
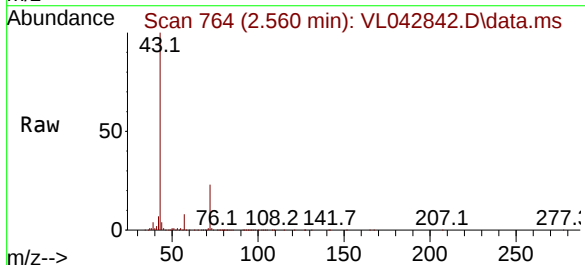
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

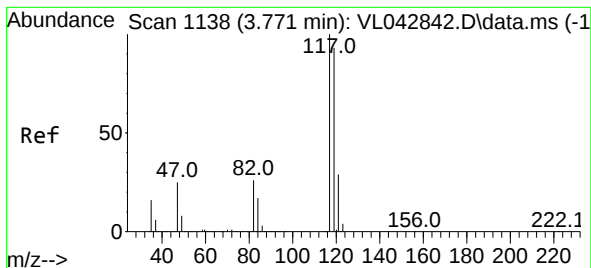
Tgt Ion:114 Resp: 413632
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.7 29.5
 88 18.0 14.4 21.6



#34
 2-Butanone
 Concen: 9.033 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 252300
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.6 28.0





#35

Carbon Tetrachloride

Concen: 9.222 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

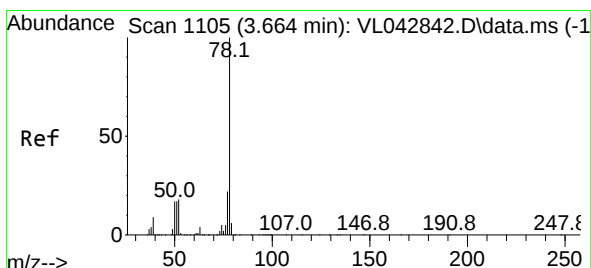
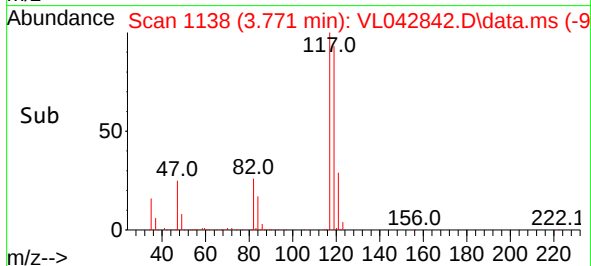
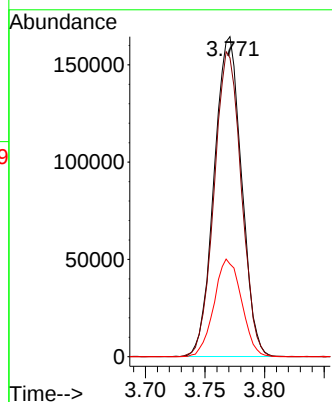
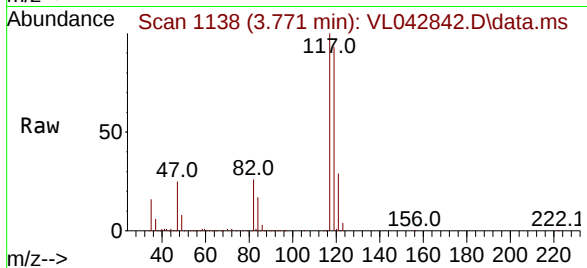
Tgt Ion:117 Resp: 262983

Ion Ratio Lower Upper

117 100

119 93.4 74.7 112.1

121 29.0 23.2 34.8



#36

Benzene

Concen: 9.521 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

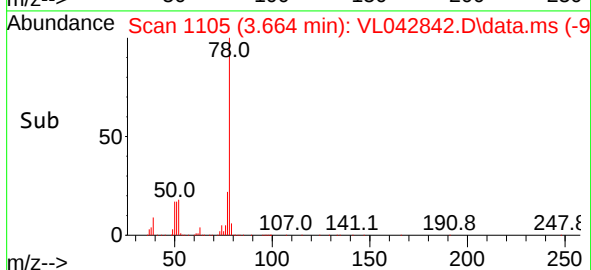
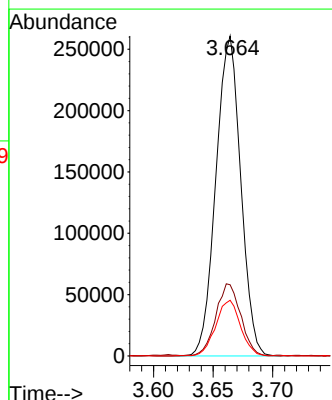
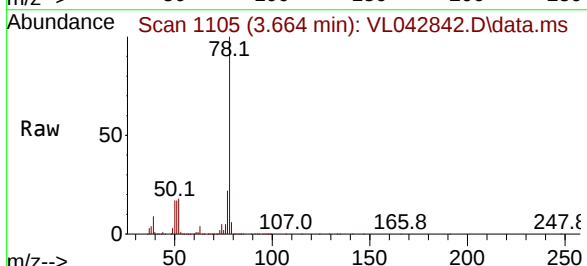
Tgt Ion: 78 Resp: 377113

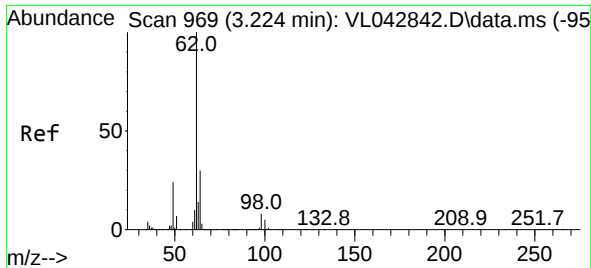
Ion Ratio Lower Upper

78 100

77 22.1 17.7 26.5

50 17.4 13.9 20.9





#37

1,2-Dichloroethane

Concen: 9.653 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

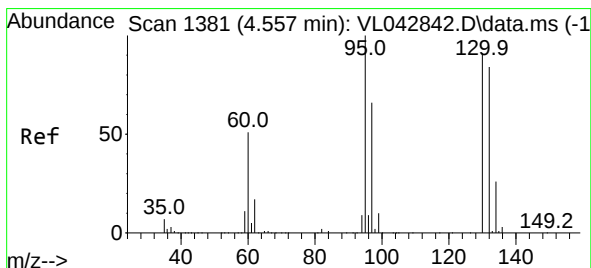
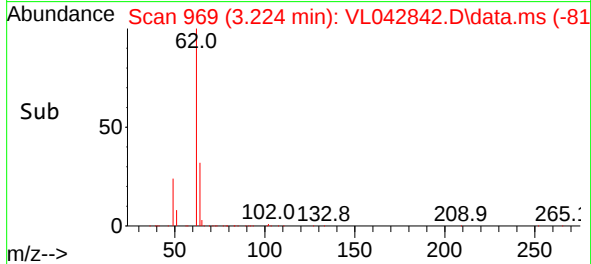
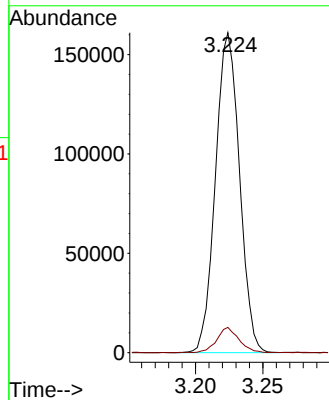
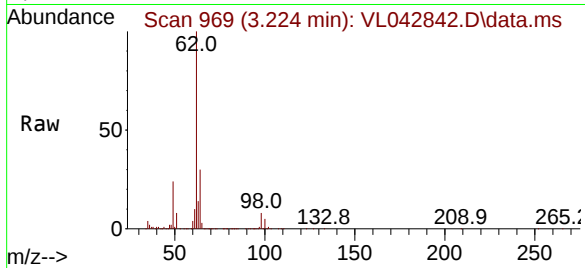
VSTDICCC010

Tgt Ion: 62 Resp: 199762

Ion Ratio Lower Upper

62 100

98 7.4 5.9 8.9



#38

Trichloroethene

Concen: 9.115 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion:130 Resp: 164881

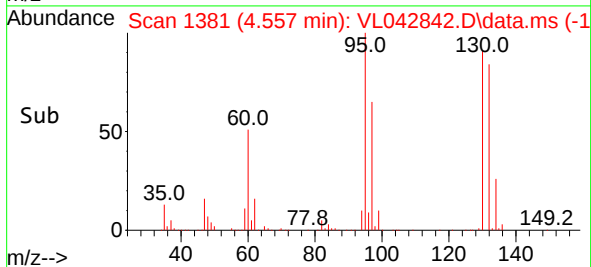
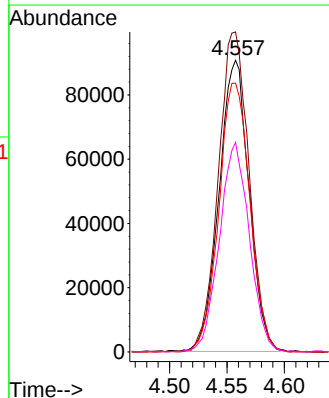
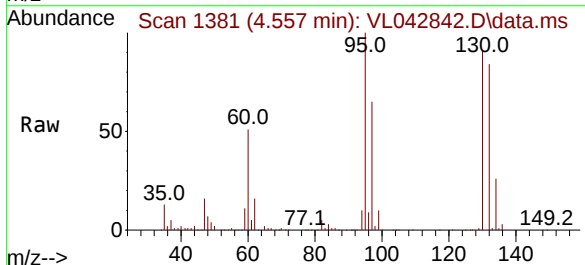
Ion Ratio Lower Upper

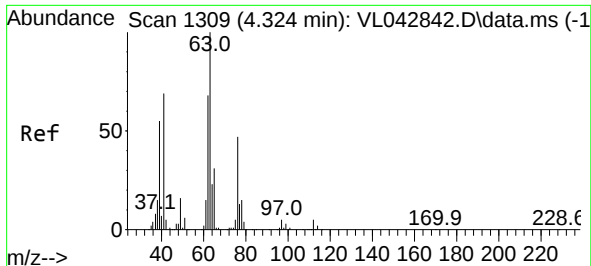
130 100

95 109.5 87.6 131.4

132 92.3 73.8 110.8

97 71.9 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.263 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

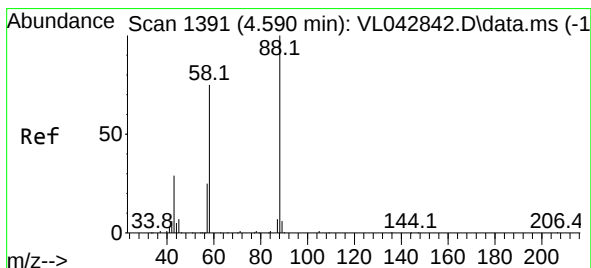
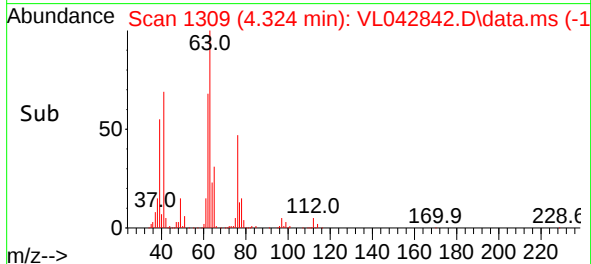
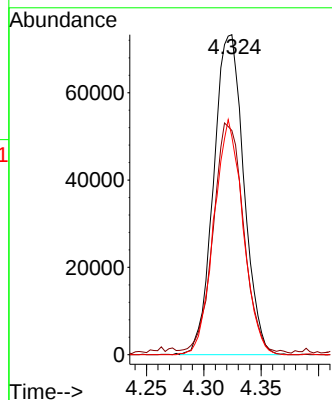
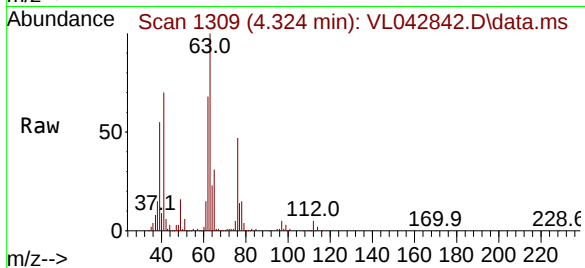
Tgt Ion: 63 Resp: 133996

Ion Ratio Lower Upper

63 100

41 68.7 55.0 82.4

62 68.0 54.4 81.6



#40

1,4-Dioxane

Concen: 9.064 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion: 88 Resp: 61378

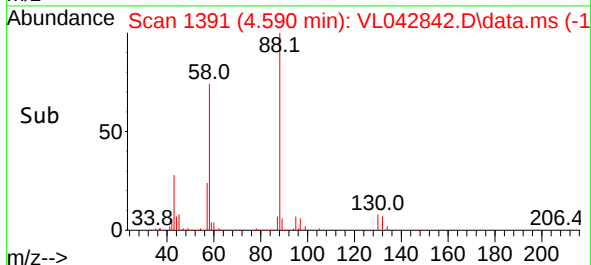
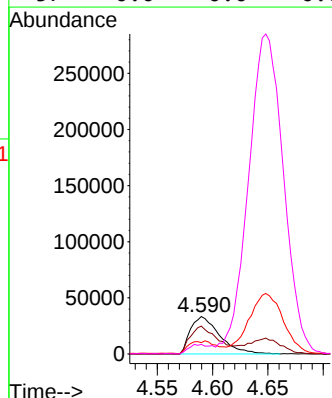
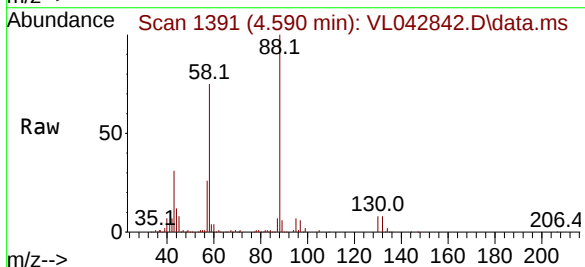
Ion Ratio Lower Upper

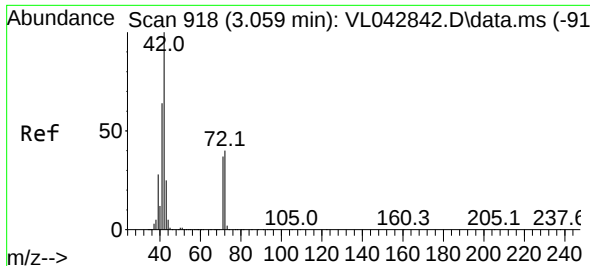
88 100

58 67.2 53.8 80.6

43 28.5 22.8 34.2

57 0.0 0.0 0.0

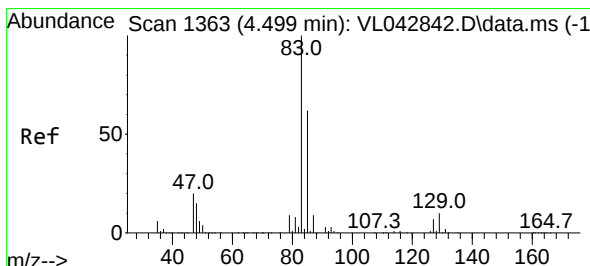
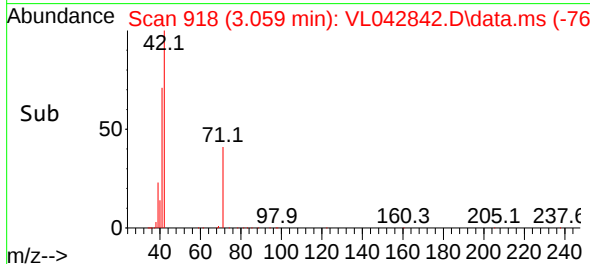
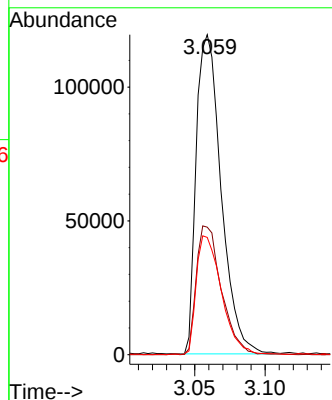
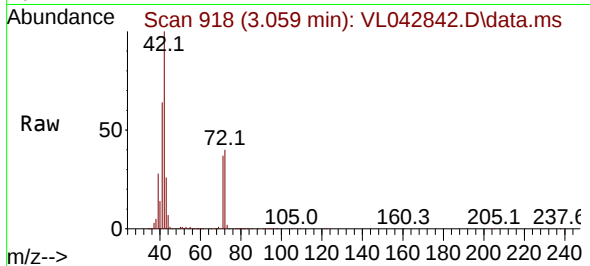




#41
Tetrahydrofuran
Concen: 9.442 ppbv
RT: 3.059 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

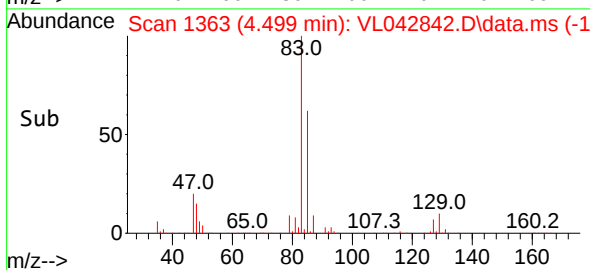
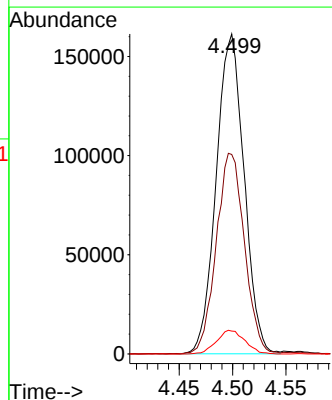
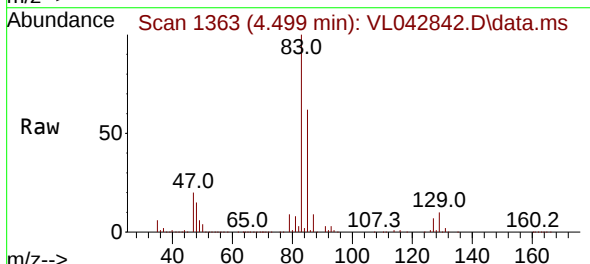
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

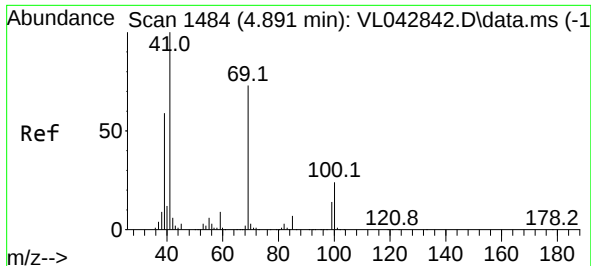
Tgt Ion: 42 Resp: 147025
Ion Ratio Lower Upper
42 100
72 40.7 32.6 48.8
71 37.5 30.0 45.0



#42
Bromodichloromethane
Concen: 9.499 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 83 Resp: 292909
Ion Ratio Lower Upper
83 100
85 62.3 49.8 74.8
127 7.2 5.8 8.6

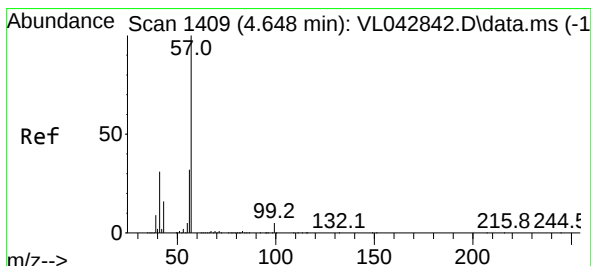
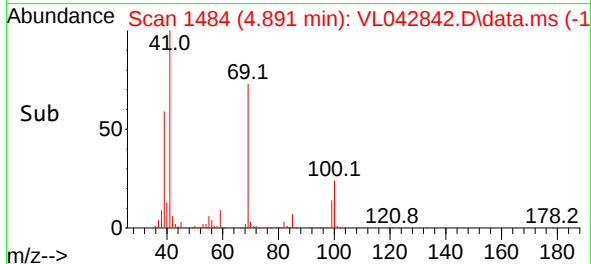
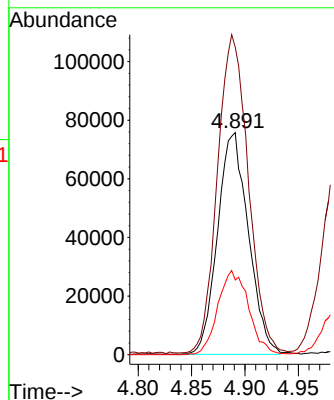
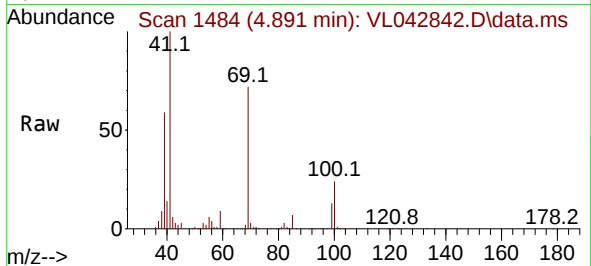




#43
Methyl Methacrylate
Concen: 9.357 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

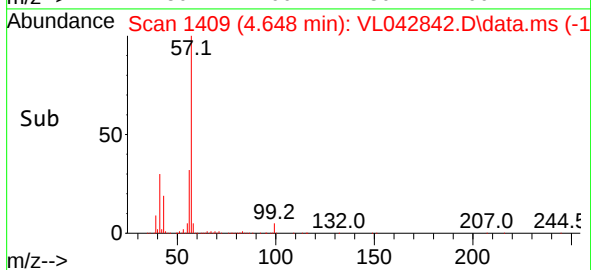
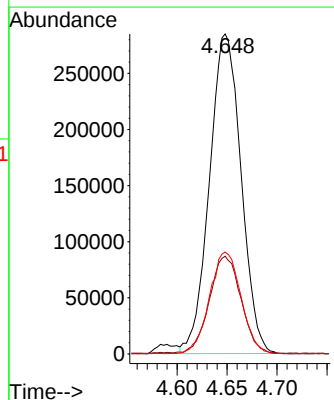
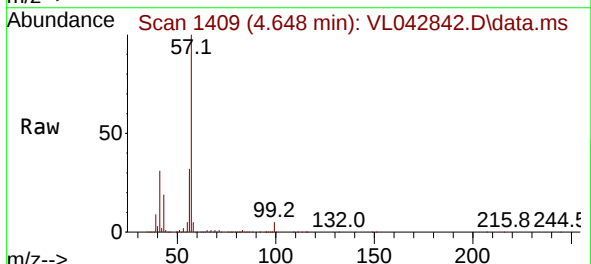
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

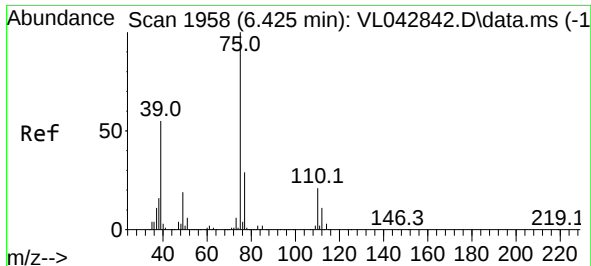
Tgt Ion: 69 Resp: 152035
Ion Ratio Lower Upper
69 100
41 143.3 114.6 172.0
100 37.8 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 9.420 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 57 Resp: 626465
Ion Ratio Lower Upper
57 100
41 31.0 24.8 37.2
56 31.9 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 9.616 ppbv

RT: 6.425 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

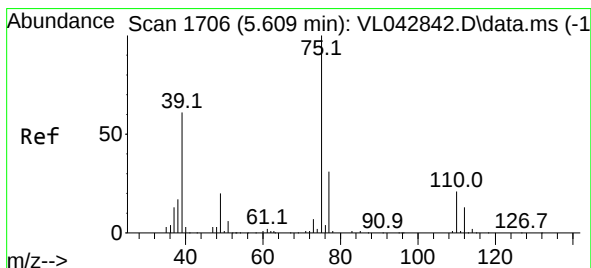
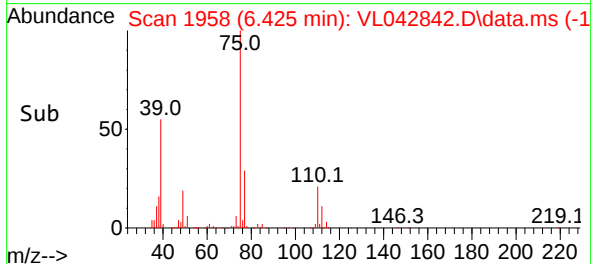
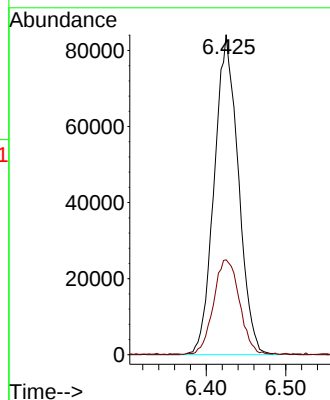
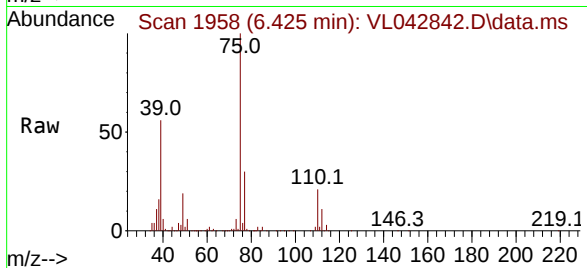
VSTDICCC010

Tgt Ion: 75 Resp: 177207

Ion Ratio Lower Upper

75 100

77 29.7 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 9.635 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

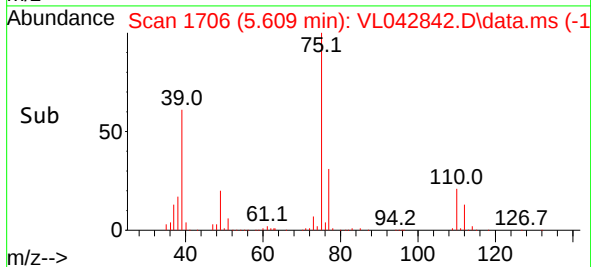
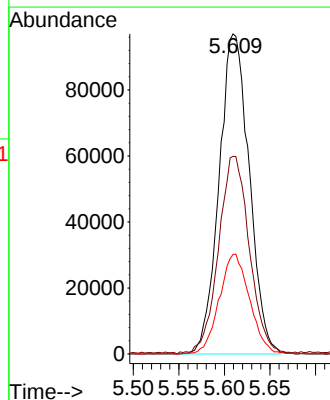
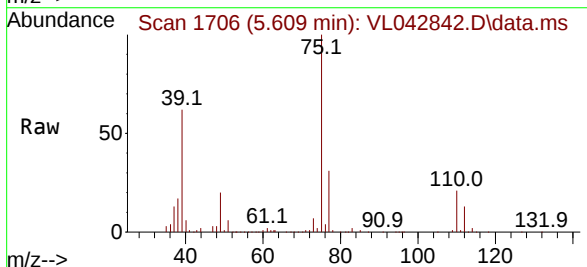
Tgt Ion: 75 Resp: 222921

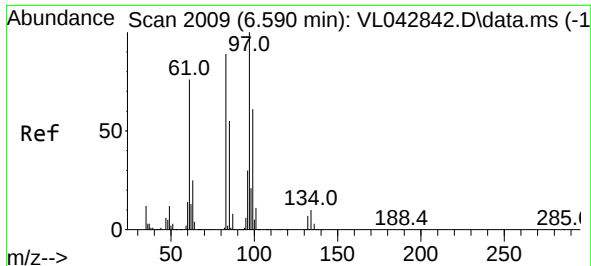
Ion Ratio Lower Upper

75 100

39 61.1 48.9 73.3

77 31.1 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 9.215 ppbv

RT: 6.590 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 141105

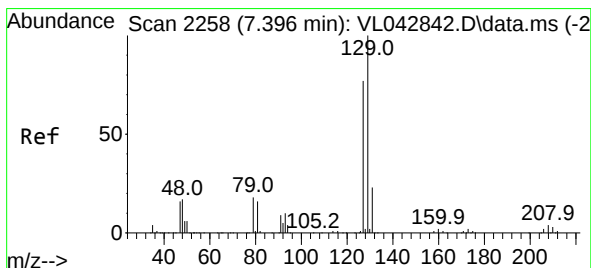
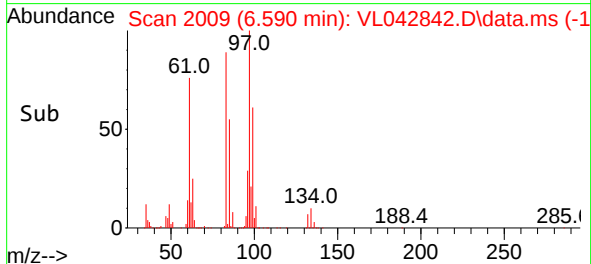
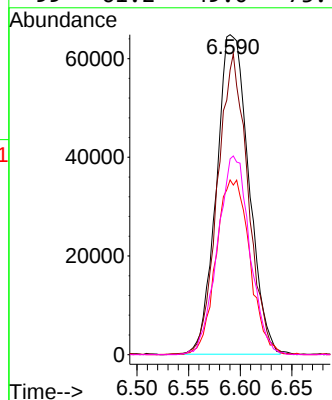
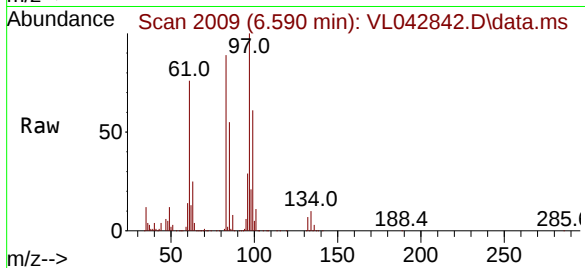
Ion Ratio Lower Upper

97 100

83 88.7 71.0 106.4

85 54.5 43.6 65.4

99 61.2 49.0 73.4



#48

Dibromochloromethane

Concen: 9.739 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VL042842.D

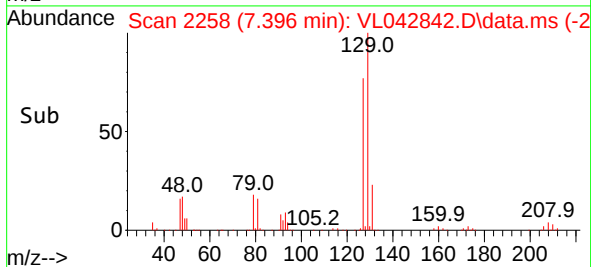
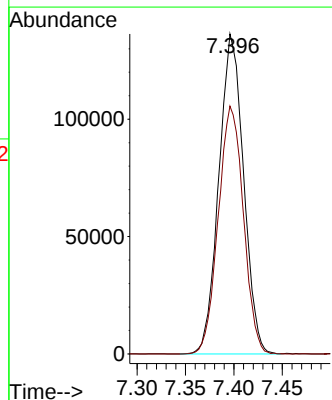
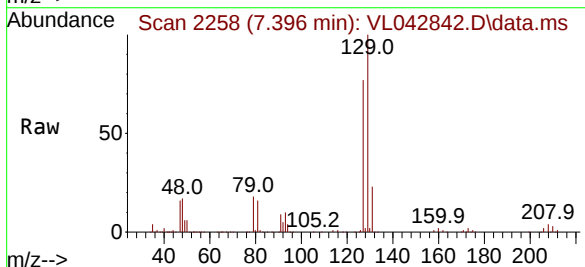
Acq: 13 Aug 2025 08:30

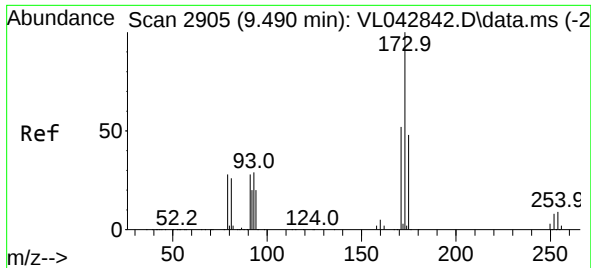
Tgt Ion: 129 Resp: 241553

Ion Ratio Lower Upper

129 100

127 78.8 39.4 118.2

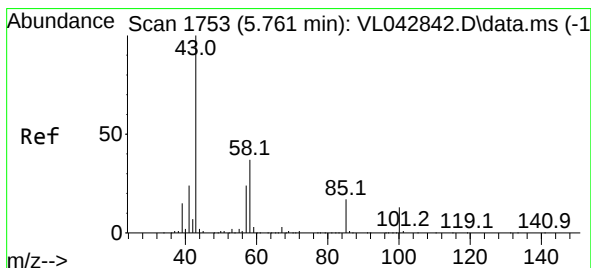
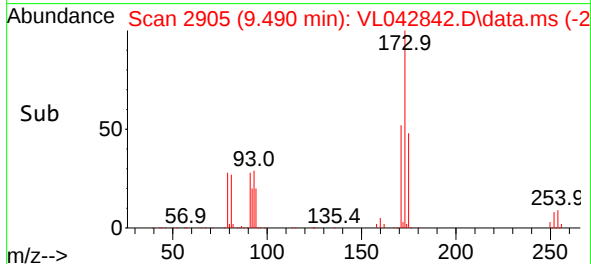
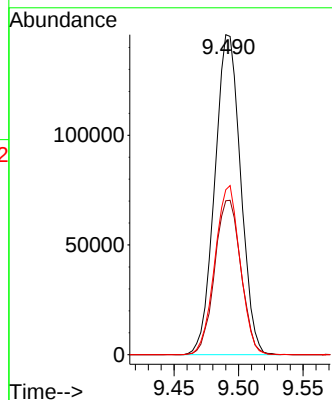
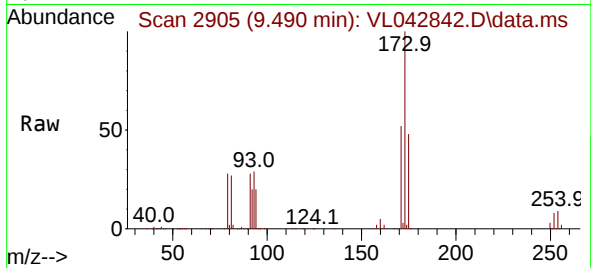




#49
Bromoform
Concen: 9.923 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

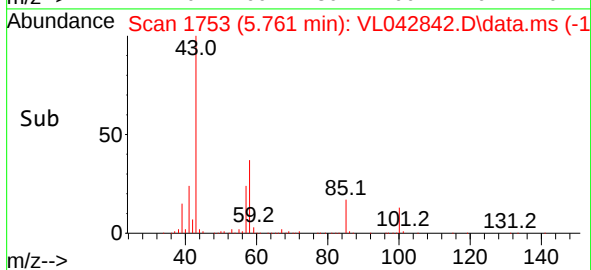
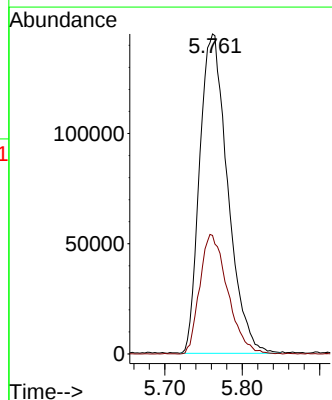
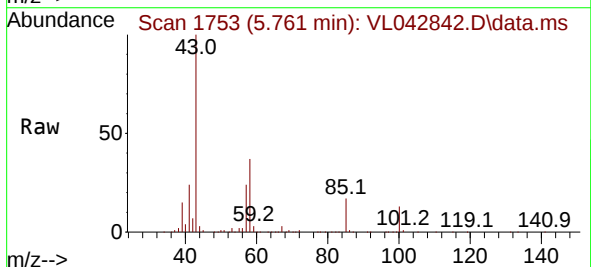
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

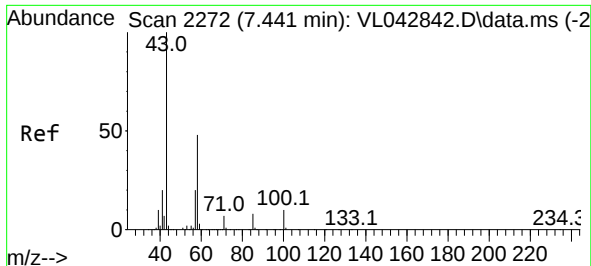
Tgt Ion:173 Resp: 202975
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
171 51.6 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 9.616 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 364306
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.8

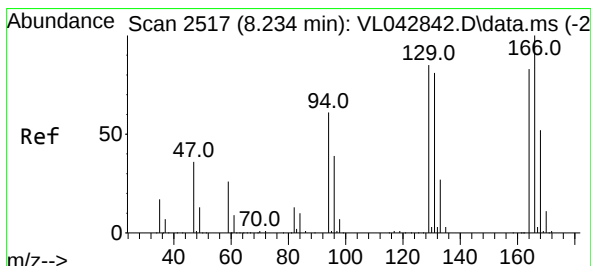
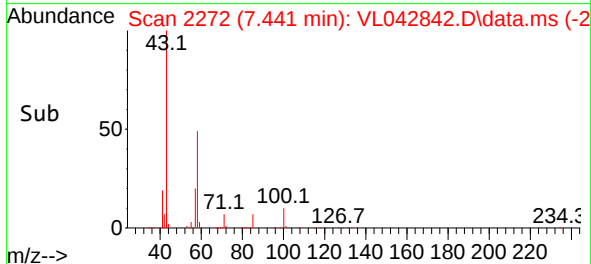
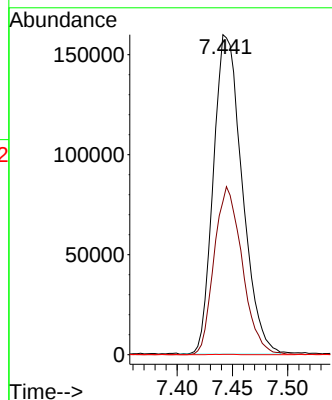
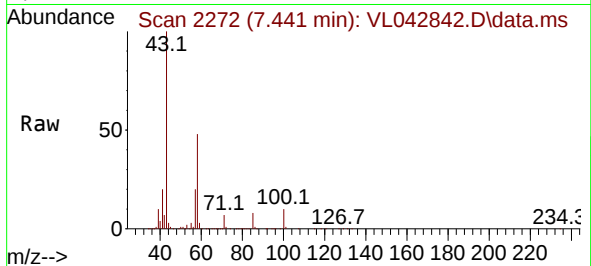




#51
2-Hexanone
Concen: 9.730 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

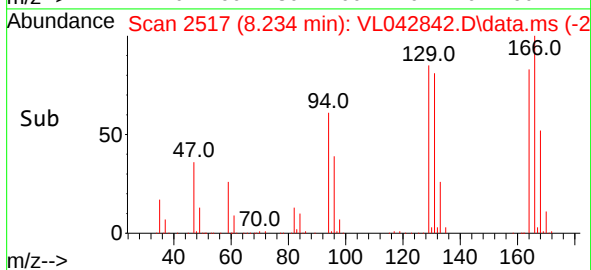
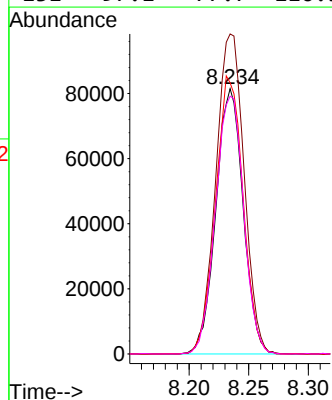
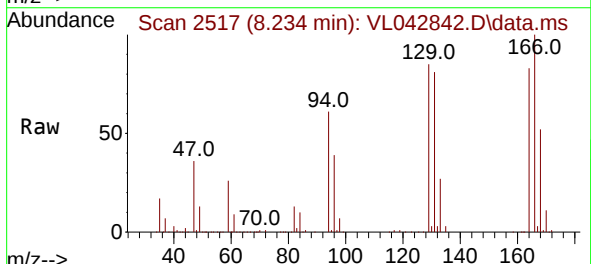
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

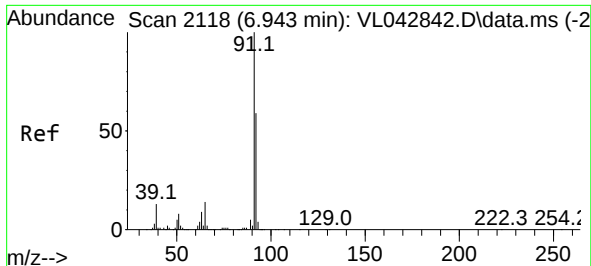
Tgt Ion: 43 Resp: 289052
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.026 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 164 Resp: 129484
Ion Ratio Lower Upper
164 100
166 120.6 96.5 144.7
129 102.2 81.8 122.6
131 97.1 77.7 116.5

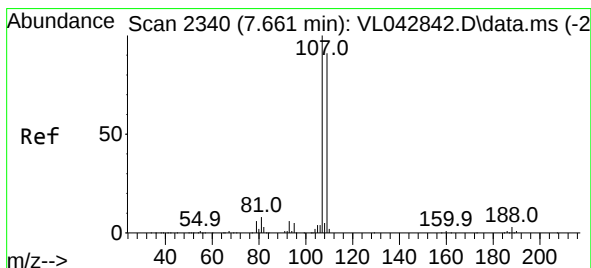
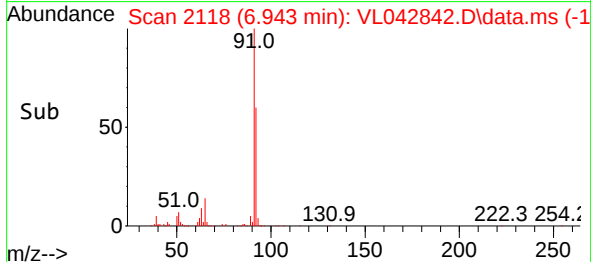
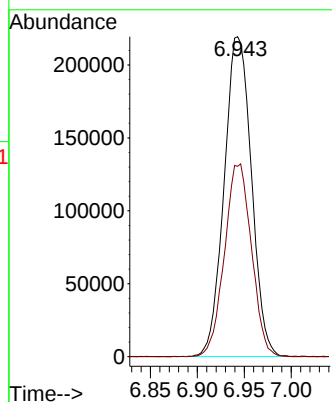
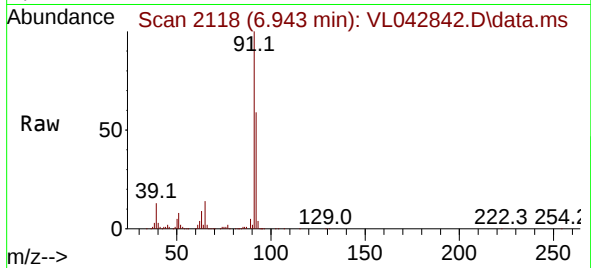




#53
Toluene
Concen: 9.407 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

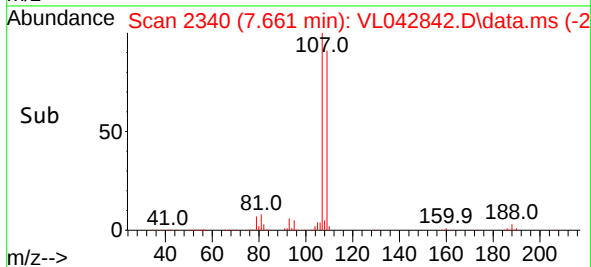
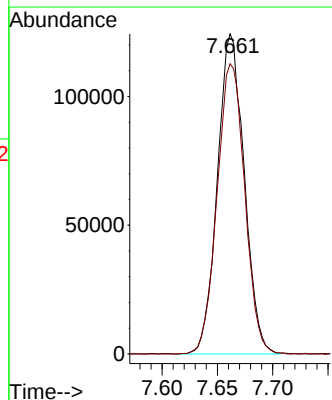
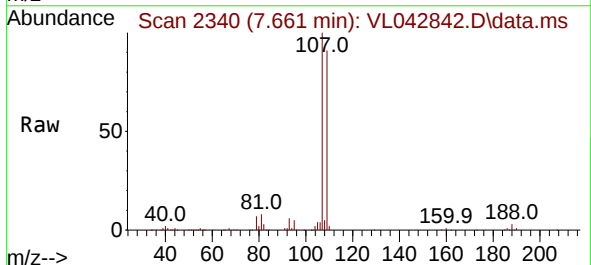
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

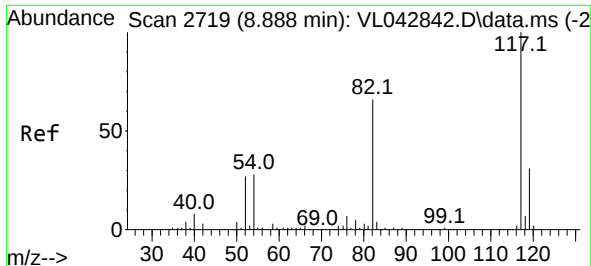
Tgt Ion: 91 Resp: 443400
Ion Ratio Lower Upper
91 100
92 59.7 47.8 71.6



#54
1,2-Dibromoethane
Concen: 9.345 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 107 Resp: 209330
Ion Ratio Lower Upper
107 100
109 90.6 72.5 108.7

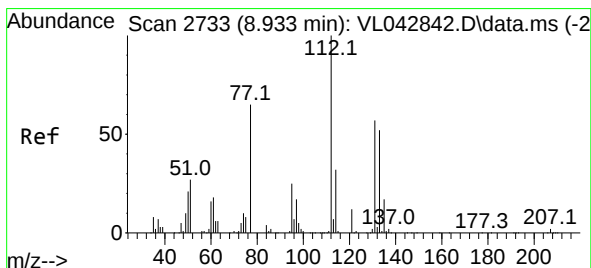
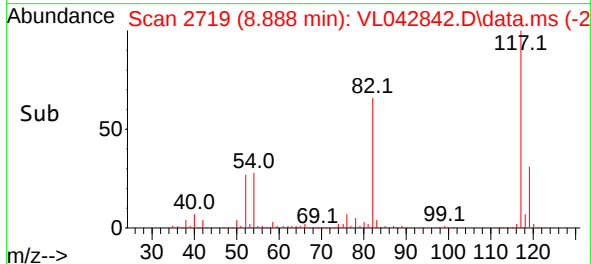
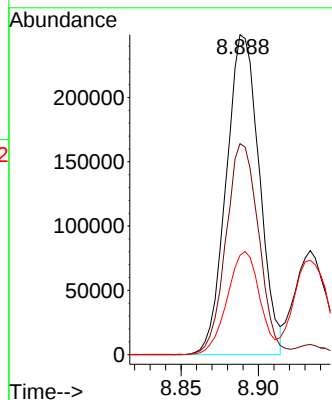
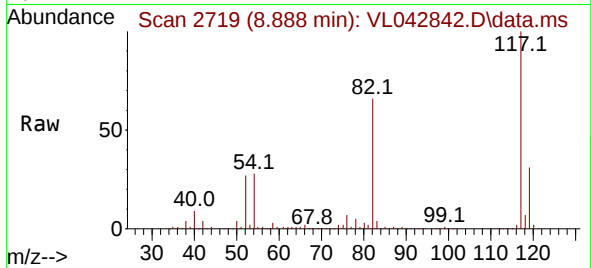




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

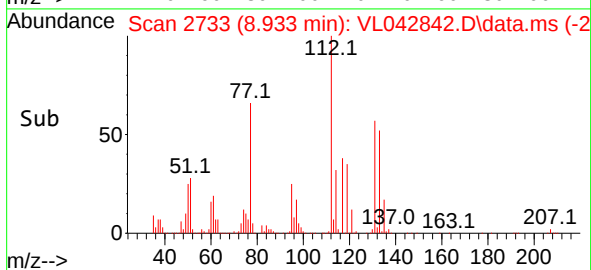
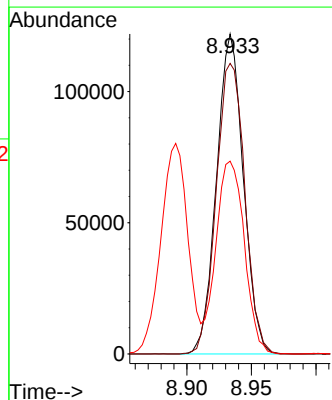
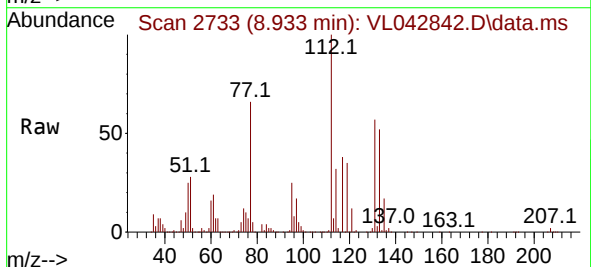
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

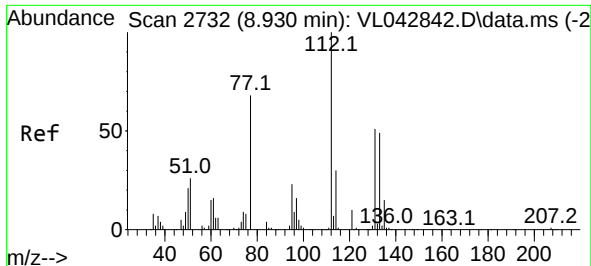
Tgt Ion:117 Resp: 370372
Ion Ratio Lower Upper
117 100
82 68.2 54.6 81.8
119 32.4 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.196 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:131 Resp: 176135
Ion Ratio Lower Upper
131 100
133 96.7 77.4 116.0
119 64.0 51.2 76.8

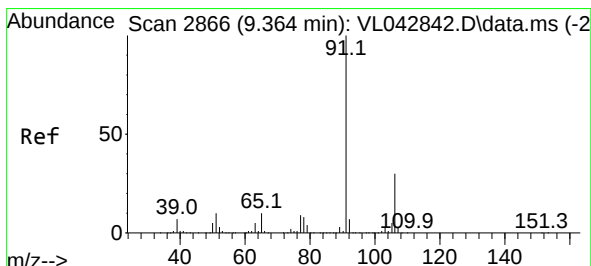
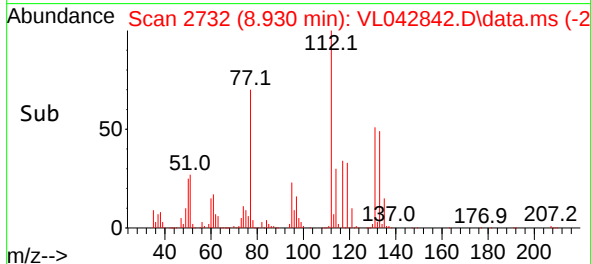
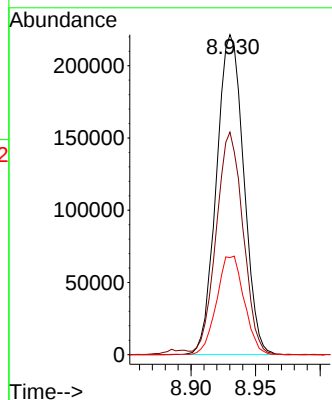
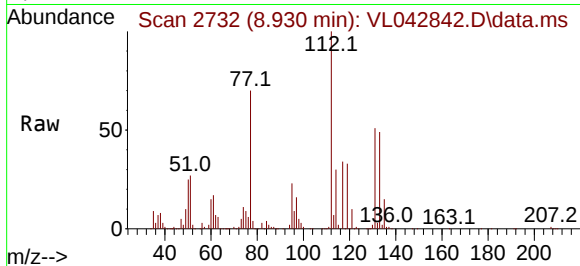




#57
Chlorobenzene
Concen: 9.237 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

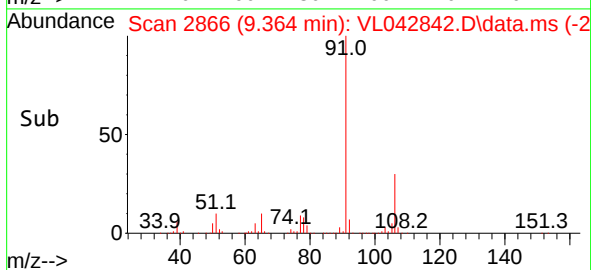
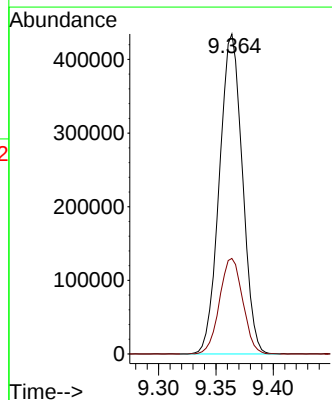
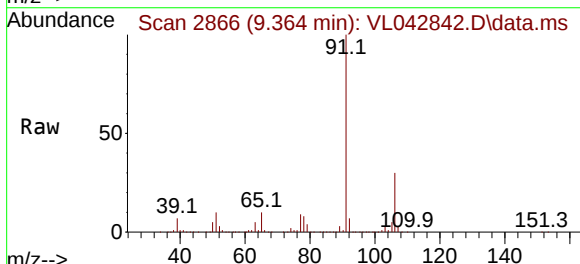
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

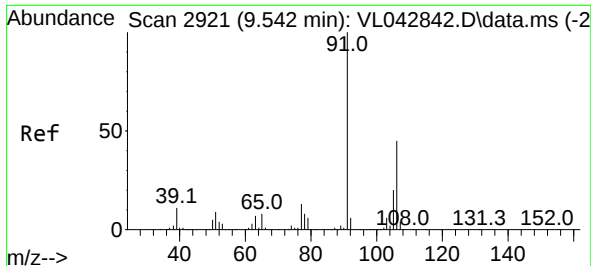
Tgt Ion:112 Resp: 325303
Ion Ratio Lower Upper
112 100
77 69.4 55.5 83.3
114 30.2 27.2 33.2



#58
Ethyl Benzene
Concen: 9.268 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 605785
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9





#59

m/p-Xylene

Concen: 10.505 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

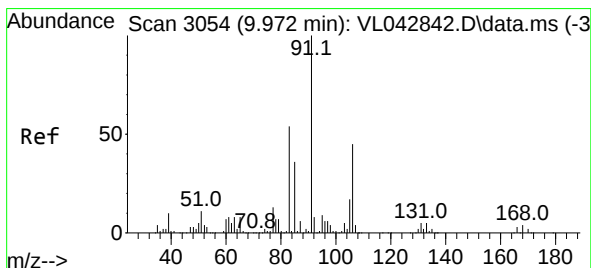
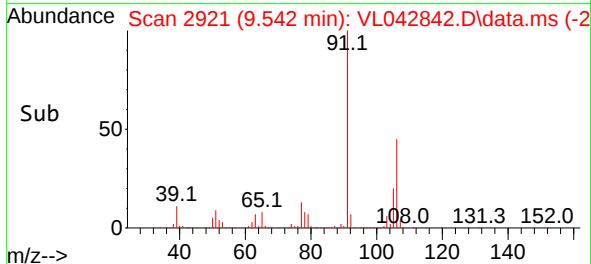
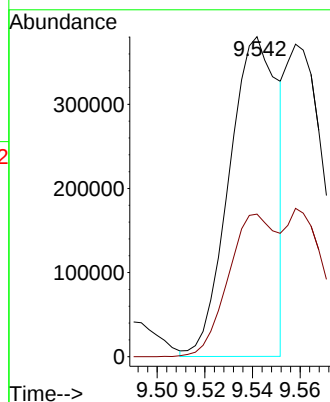
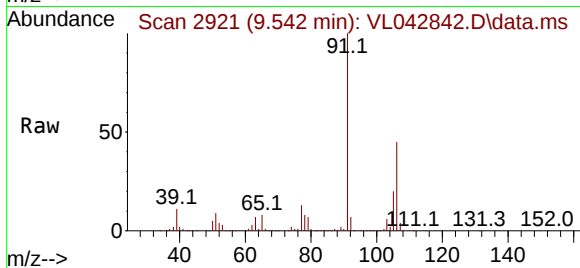
VSTDICCC010

Tgt Ion: 91 Resp: 539072

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 9.102 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042842.D

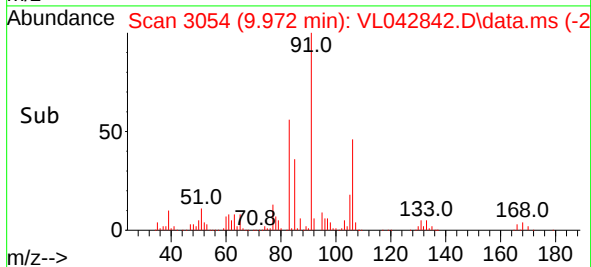
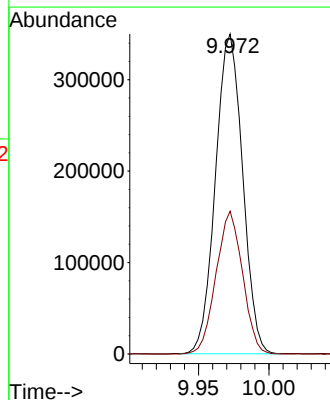
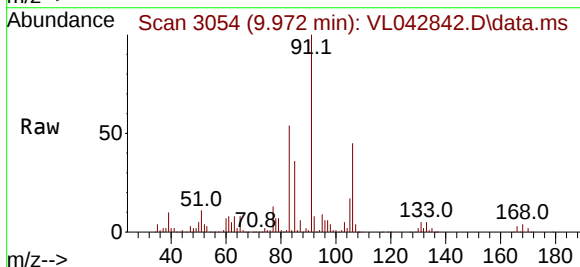
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 469073

Ion Ratio Lower Upper

91 100

106 43.6 21.8 65.4

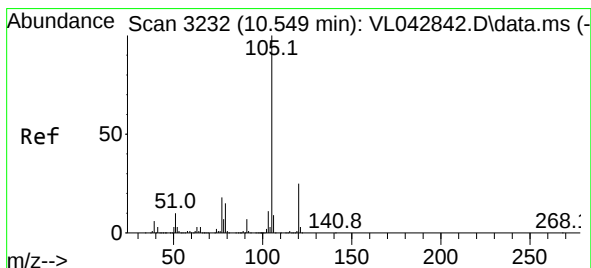
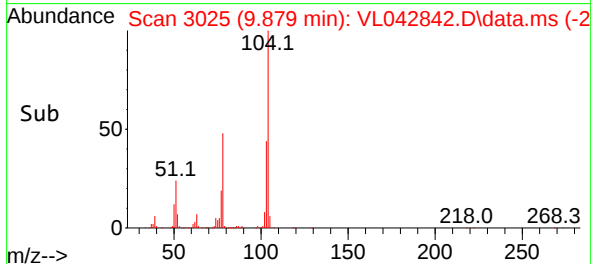
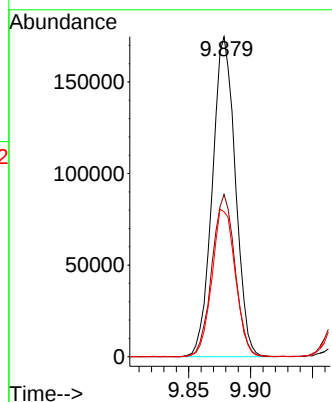
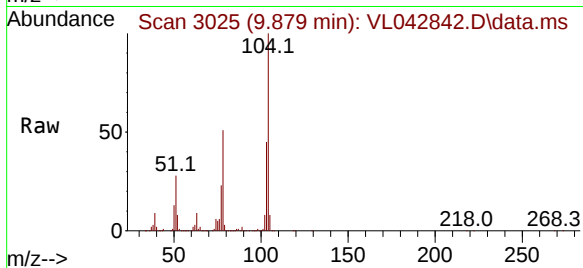




#61
Styrene
Concen: 9.362 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

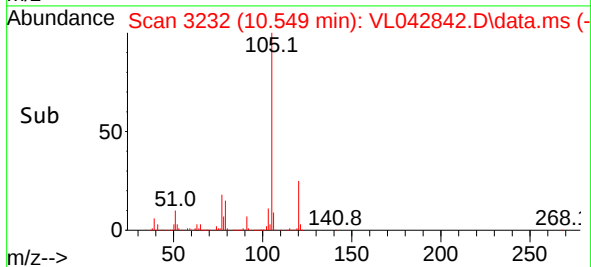
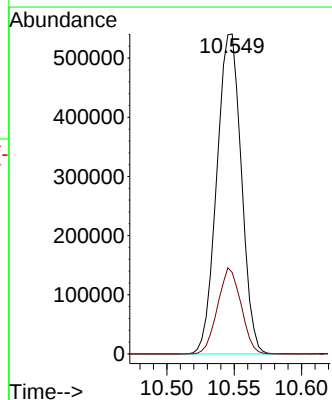
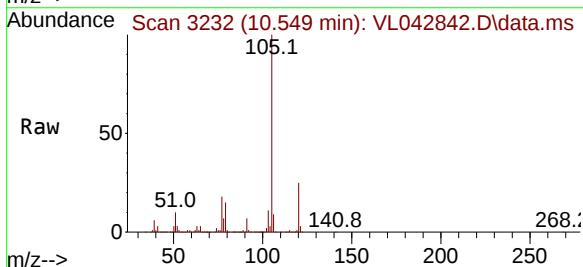
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

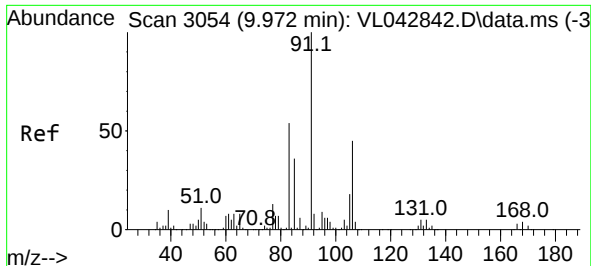
Tgt Ion:104 Resp: 226056
Ion Ratio Lower Upper
104 100
78 50.8 40.6 61.0
103 47.1 37.7 56.5



#62
Isopropylbenzene
Concen: 9.108 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 685983
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.870 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

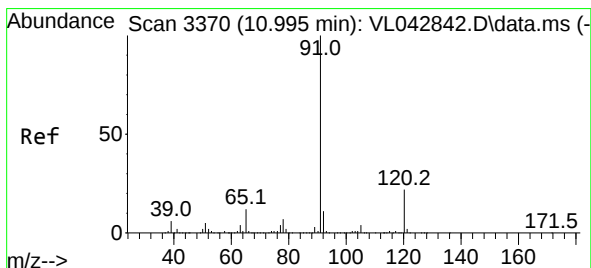
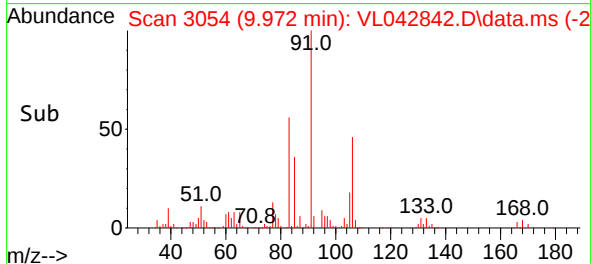
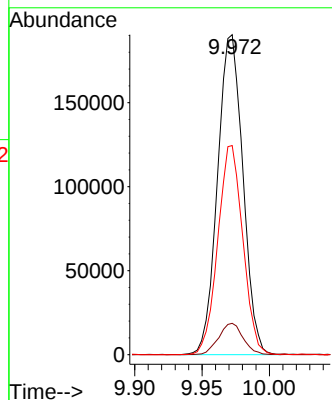
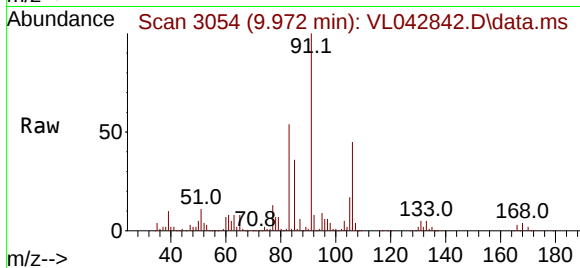
Tgt Ion: 83 Resp: 249621

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 64.5 32.3 96.8



#64

n-propylbenzene

Concen: 9.158 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.000 min

Lab File: VL042842.D

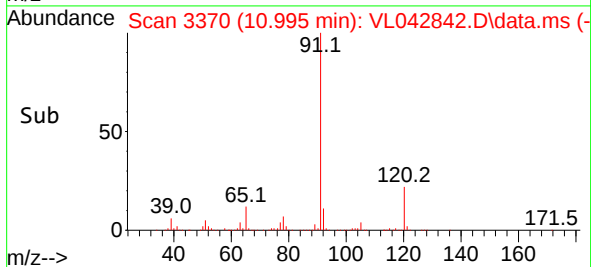
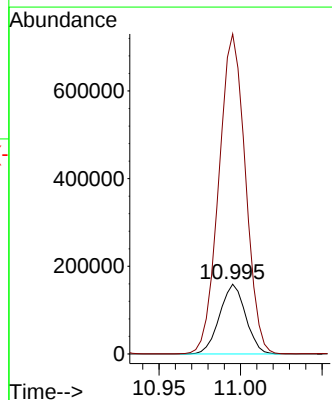
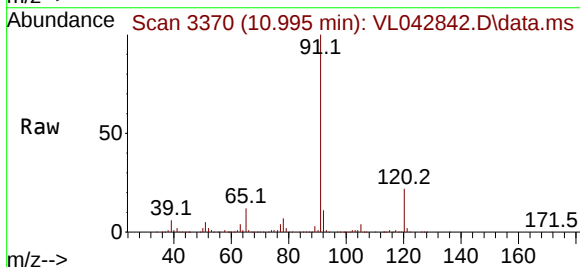
Acq: 13 Aug 2025 08:30

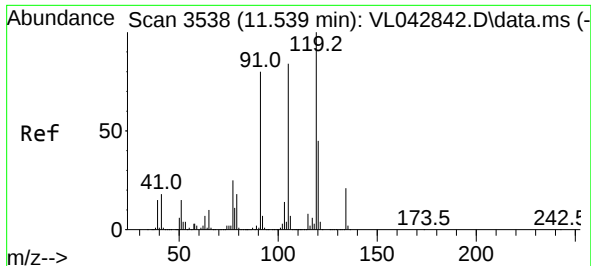
Tgt Ion: 120 Resp: 175986

Ion Ratio Lower Upper

120 100

91 469.7 375.8 563.6

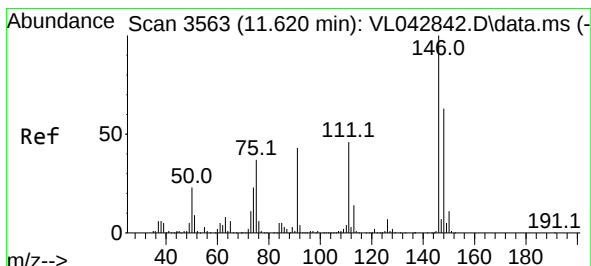
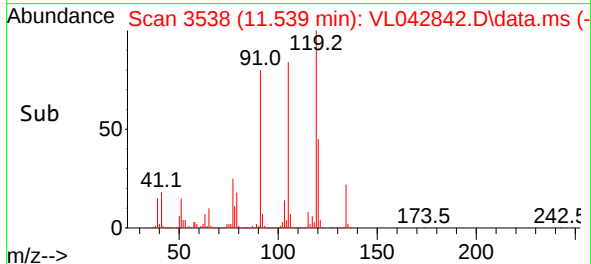
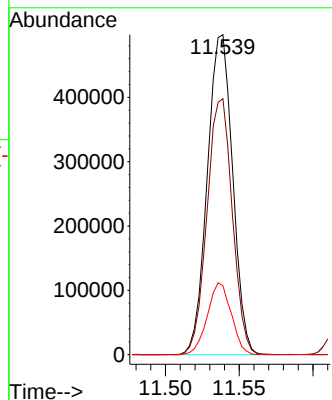
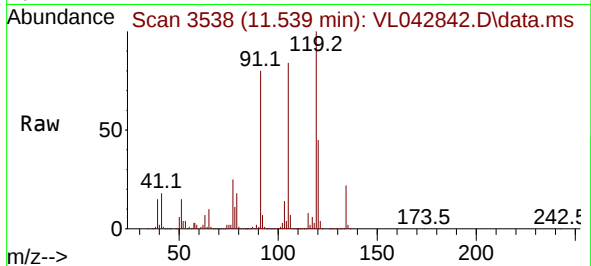




#65
tert-Butylbenzene
Concen: 8.951 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

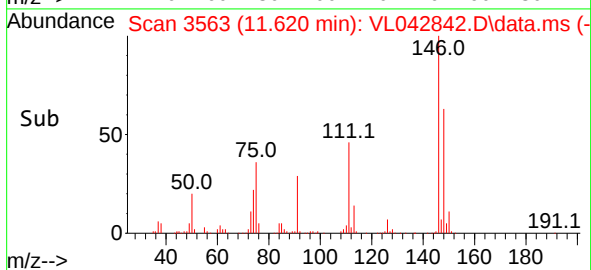
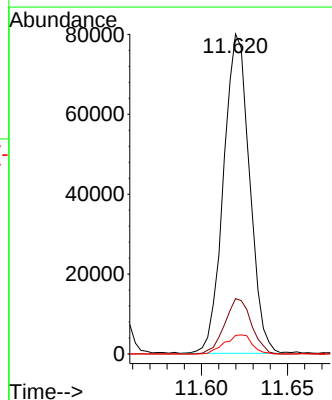
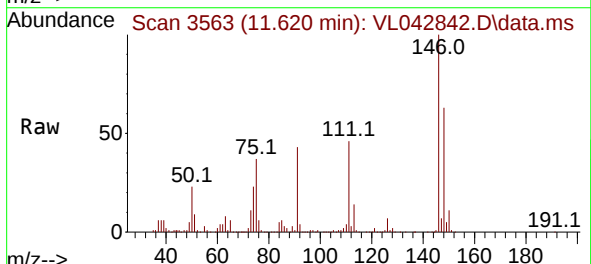
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

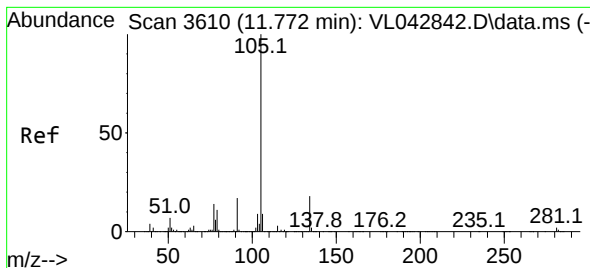
Tgt Ion:119 Resp: 594314
Ion Ratio Lower Upper
119 100
91 79.9 63.9 95.9
134 21.2 17.0 25.4



#66
Benzyl Chloride
Concen: 9.985 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 84156
Ion Ratio Lower Upper
91 100
126 17.8 14.2 21.4
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 8.943 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

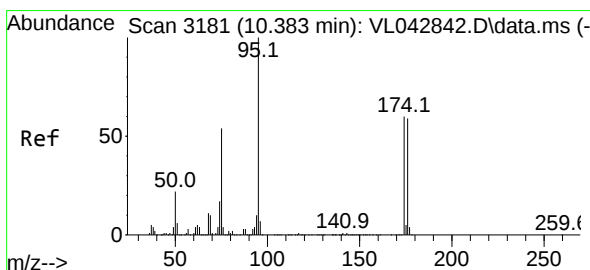
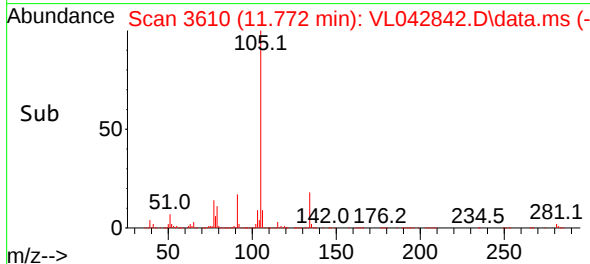
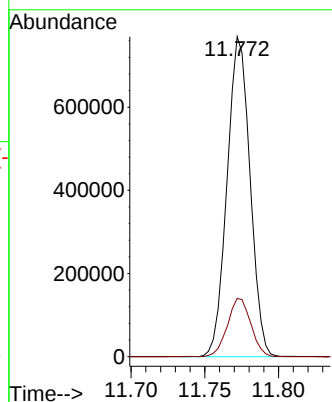
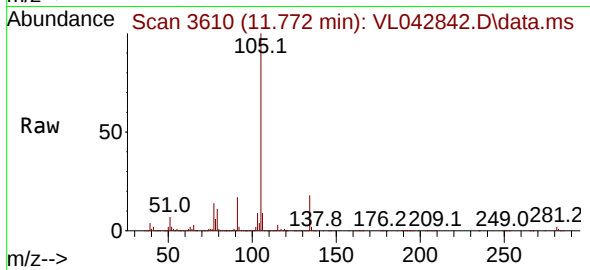
VSTDICCC010

Tgt Ion:105 Resp: 833378

Ion Ratio Lower Upper

105 100

134 18.6 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.064 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

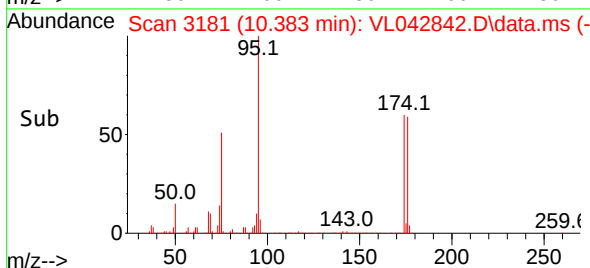
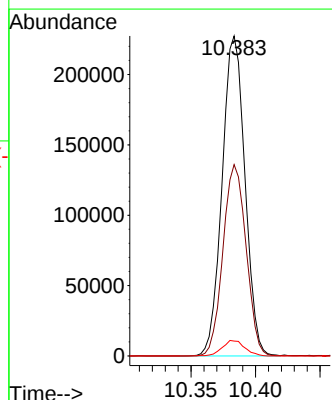
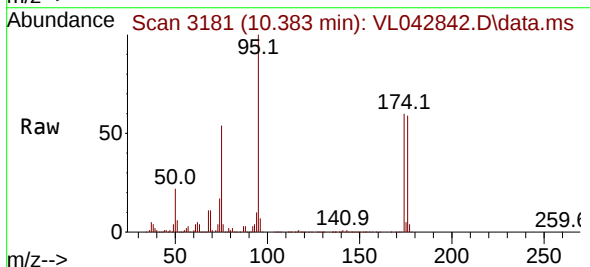
Tgt Ion: 95 Resp: 279557

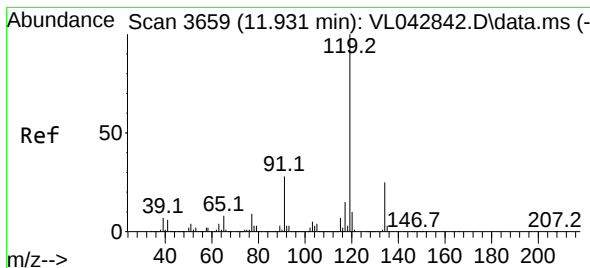
Ion Ratio Lower Upper

95 100

174 60.5 48.4 72.6

175 4.8 3.8 5.8

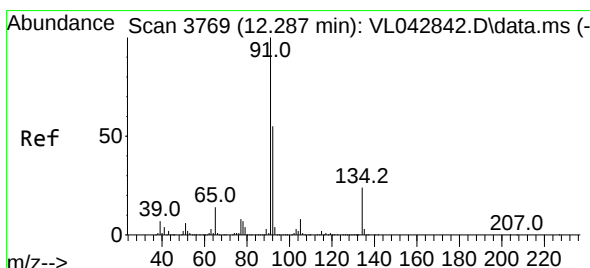
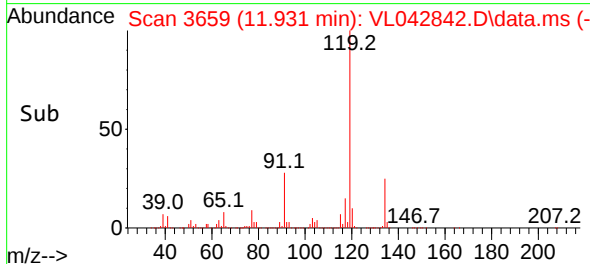
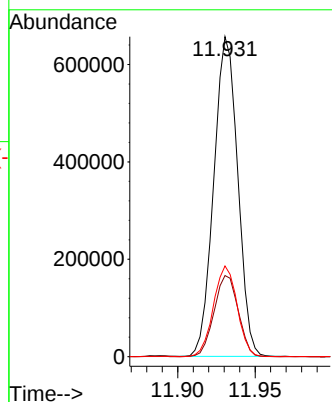
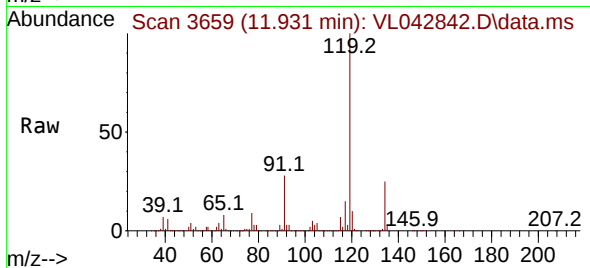




#69
 p-Isopropyltoluene
 Concen: 8.820 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

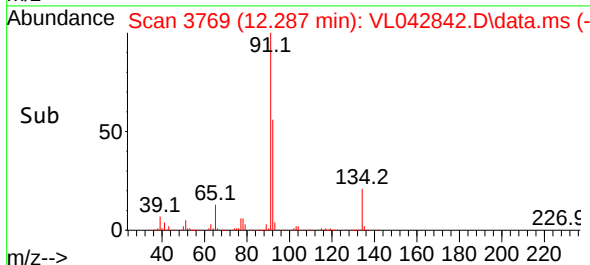
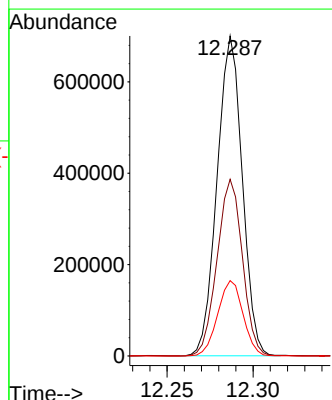
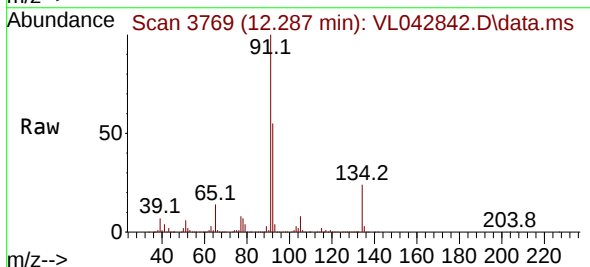
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

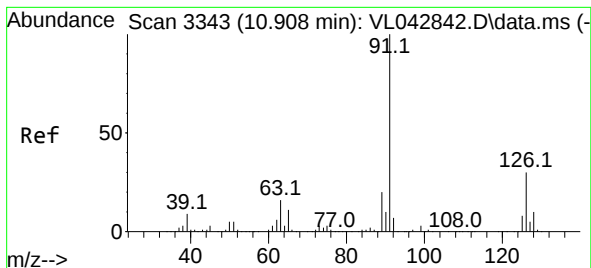
Tgt Ion:119 Resp: 705700
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 28.3 22.6 34.0



#70
 n-Butylbenzene
 Concen: 8.995 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 713713
 Ion Ratio Lower Upper
 91 100
 92 55.7 44.6 66.8
 134 23.7 19.0 28.4





#71

2-Chlorotoluene

Concen: 8.981 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_1

ClientSampleId :

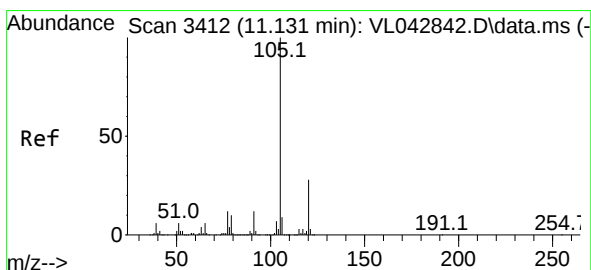
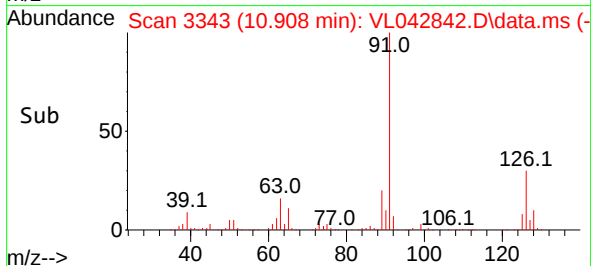
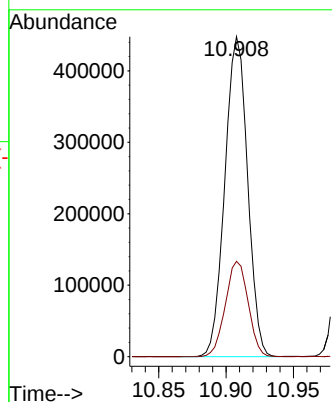
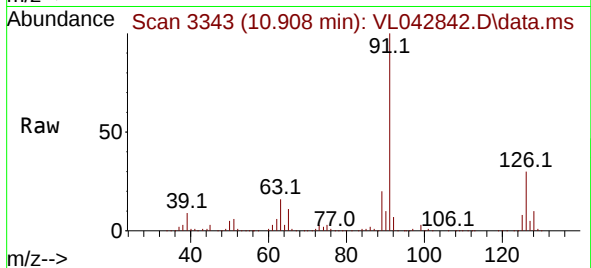
VSTDICCC010

Tgt Ion: 91 Resp: 525235

Ion Ratio Lower Upper

91 100

126 29.9 12.0 47.8



#72

4-Ethyltoluene

Concen: 9.267 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion: 105 Resp: 578931

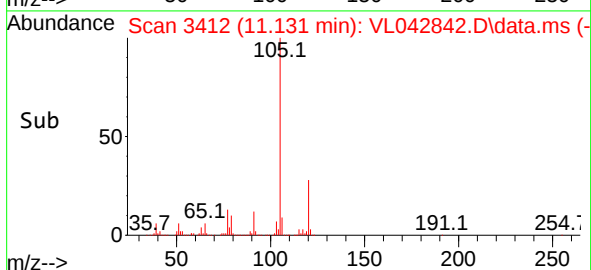
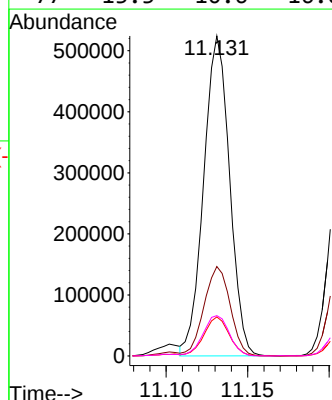
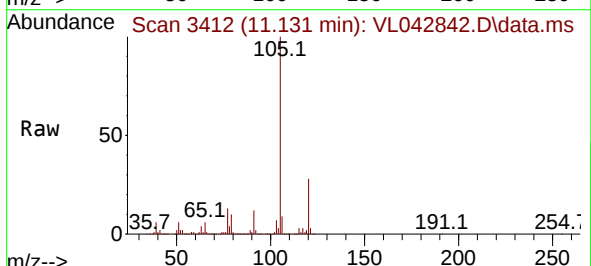
Ion Ratio Lower Upper

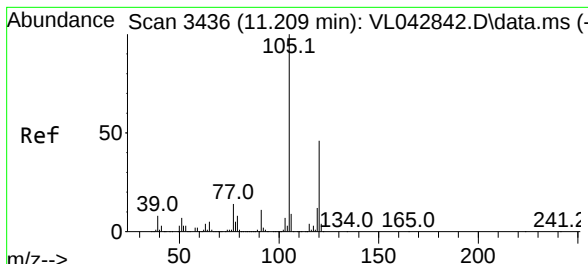
105 100

120 29.3 23.4 35.2

91 12.2 9.8 14.6

77 13.3 10.6 16.0

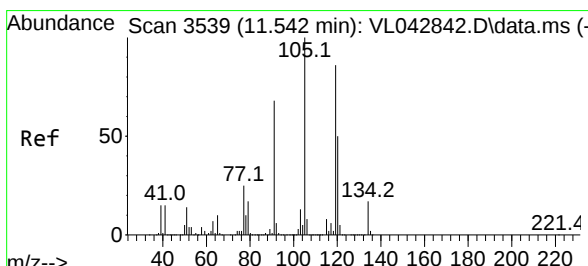
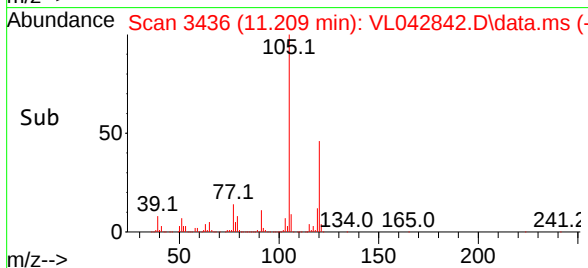
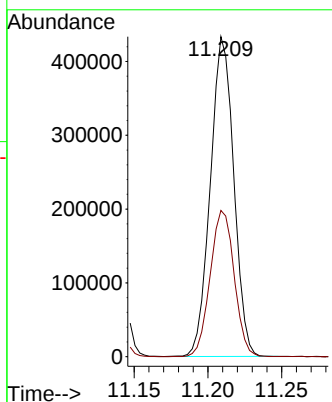
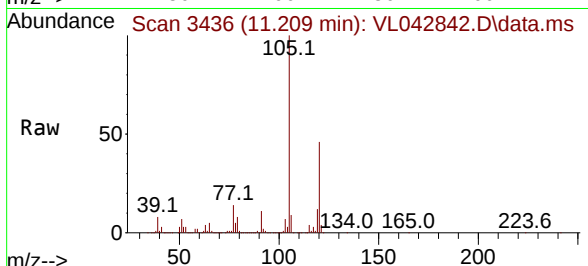




#73
 1,3,5-Trimethylbenzene
 Concen: 9.012 ppbv
 RT: 11.209 min Scan# 3436
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

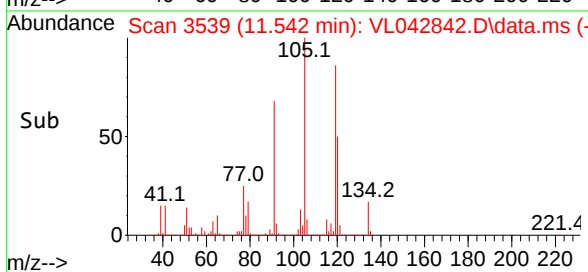
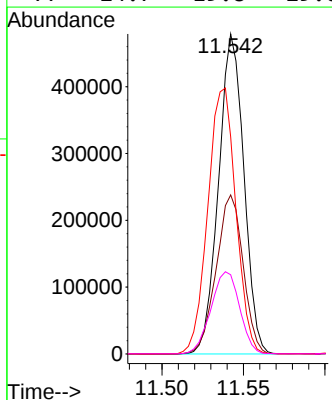
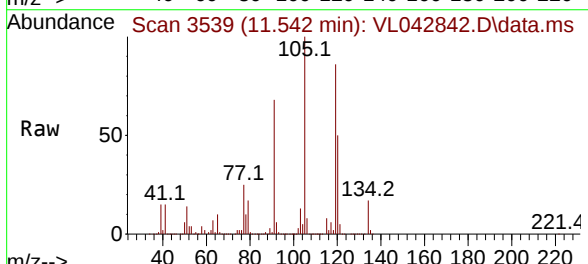
Instrument : MSVOA_1
 ClientSampleId : VSTDICCC010

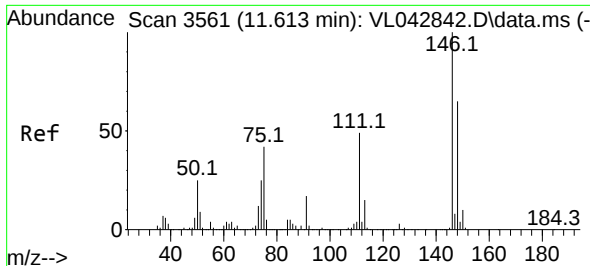
Tgt Ion:105 Resp: 478784
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 8.853 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.000 min
 Lab File: VL042842.D
 Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 516253
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.8 59.6
 91 67.8 54.2 81.4
 77 24.7 19.8 29.6

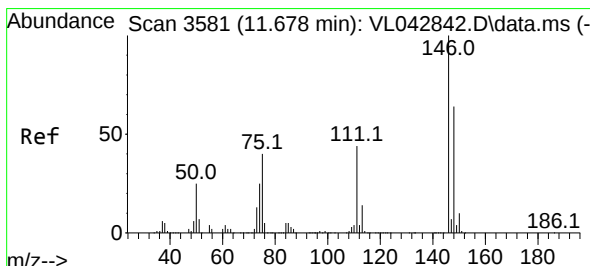
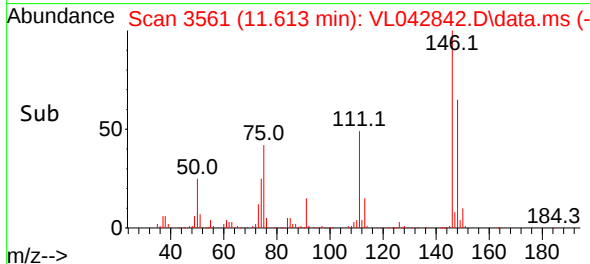
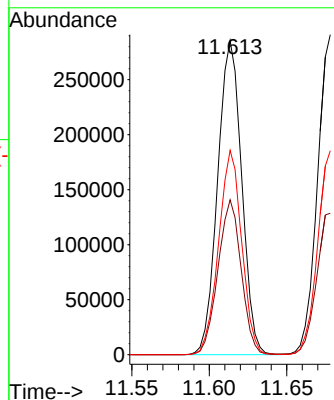
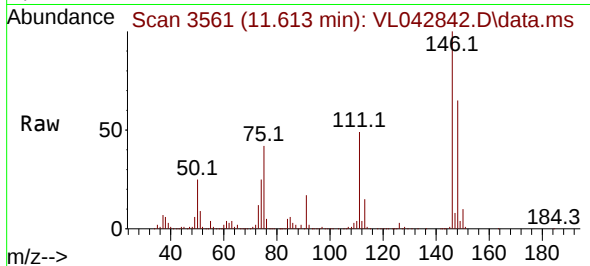




#75
1,3-Dichlorobenzene
Concen: 9.280 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

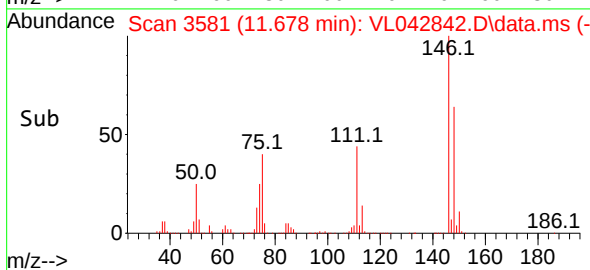
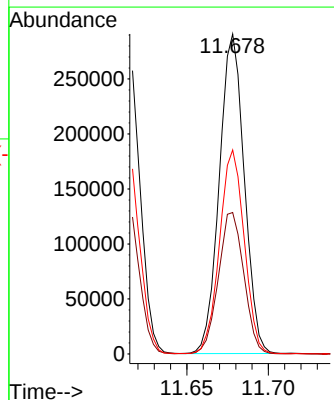
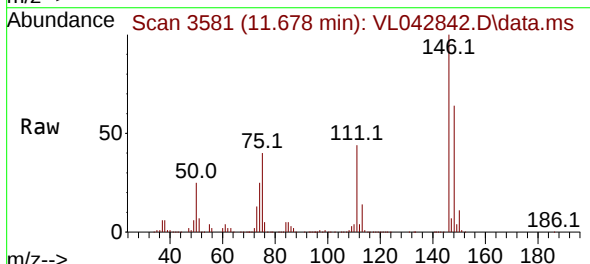
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

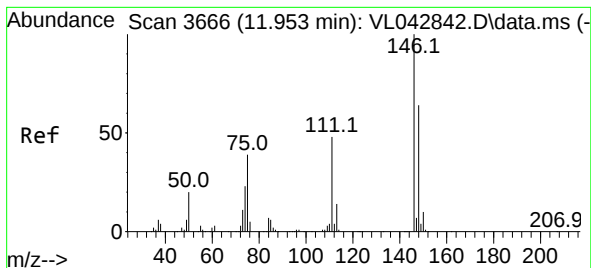
Tgt Ion:146 Resp: 307640
Ion Ratio Lower Upper
146 100
111 47.8 23.9 71.7
148 62.7 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 9.203 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:146 Resp: 308542
Ion Ratio Lower Upper
146 100
111 45.4 22.7 68.1
148 63.5 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 8.907 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

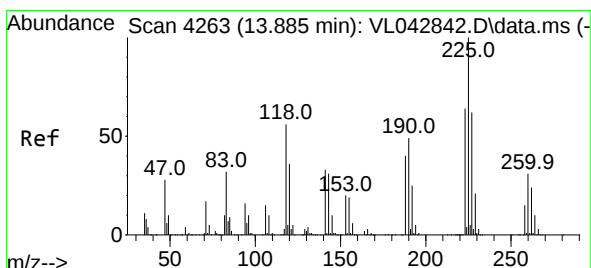
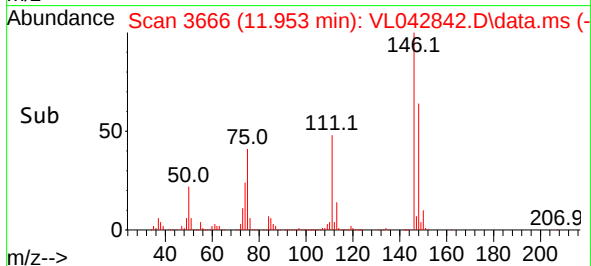
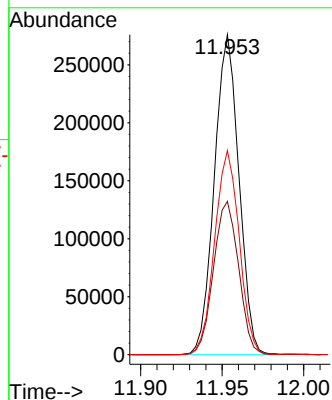
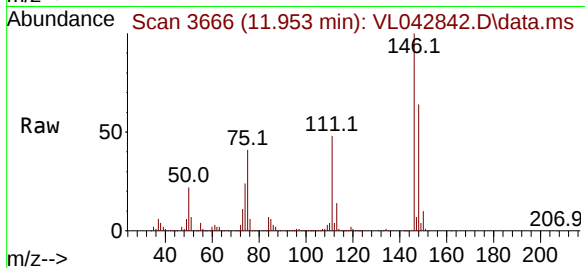
Tgt Ion:146 Resp: 289119

Ion Ratio Lower Upper

146 100

111 49.3 24.6 74.0

148 64.0 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 7.968 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

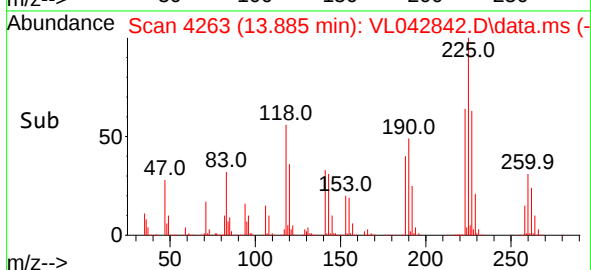
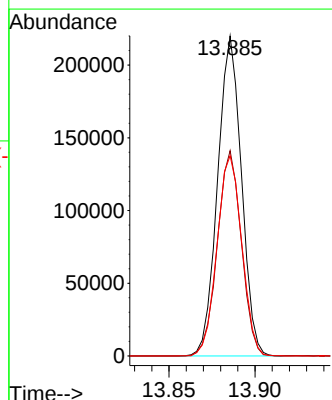
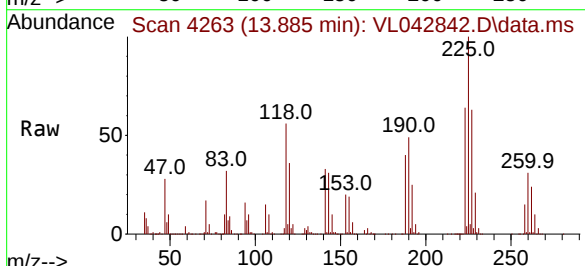
Tgt Ion:225 Resp: 211996

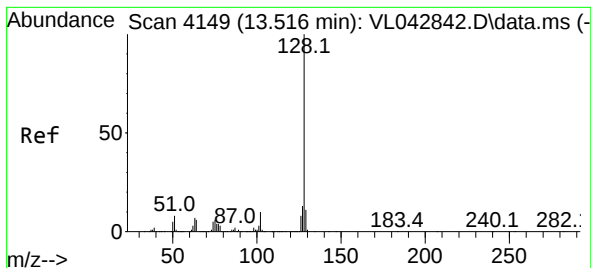
Ion Ratio Lower Upper

225 100

223 64.3 51.4 77.2

227 64.9 51.9 77.9





#79

Naphthalene

Concen: 9.335 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

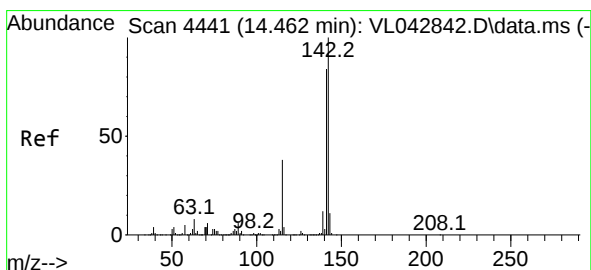
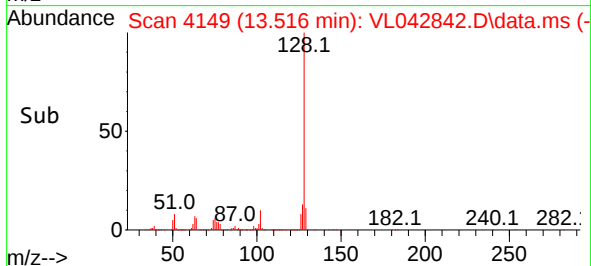
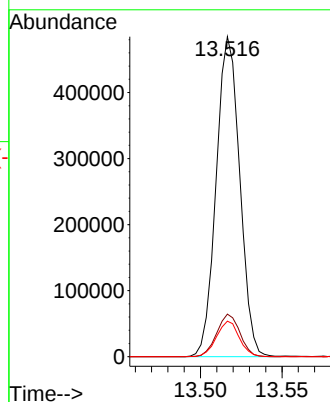
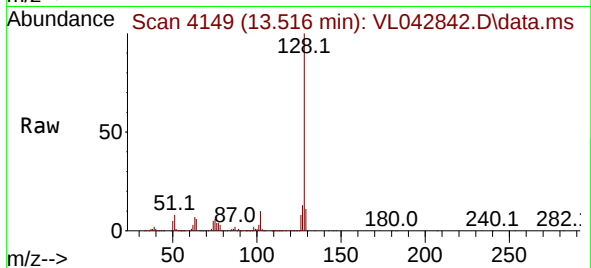
Tgt Ion:128 Resp: 487174

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.1 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 9.000 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

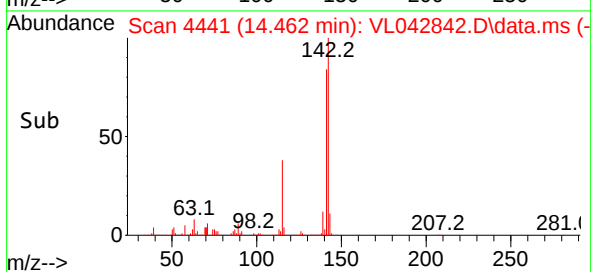
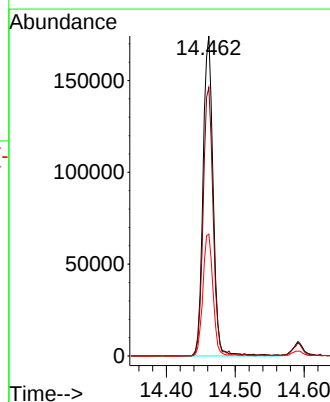
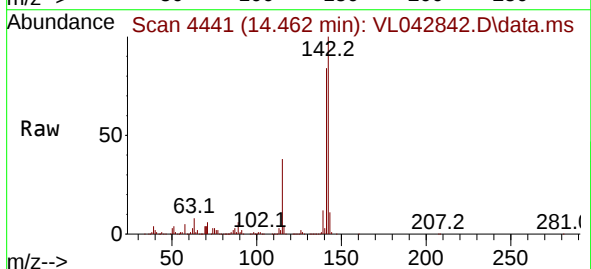
Tgt Ion:142 Resp: 176880

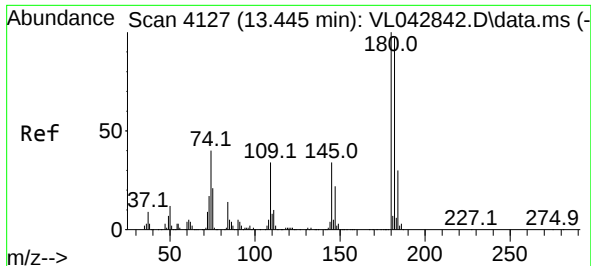
Ion Ratio Lower Upper

142 100

141 83.8 67.0 100.6

115 38.6 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 9.220 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042842.D

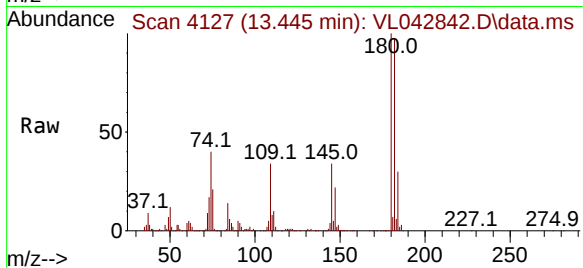
Acq: 13 Aug 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010



Tgt Ion:180 Resp: 244998

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

184 30.6 24.5 36.7

