

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
 Data File : VL042839.D
 Acq On : 11 Aug 2025 12:41
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 12 02:13:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	129337	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	338430	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	285668	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	217700	9.456	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2270	0.125	ppbv	92
3) Chlorodifluoromethane	1.609	51	427	0.018	ppbv	92
4) Chloromethane	1.534	50	873	0.115	ppbv	97
5) Vinyl Chloride	1.583	62	835	0.115	ppbv #	29
6) Bromomethane	1.664	94	407	0.149	ppbv #	63
7) Chloroethane	1.703	64	327	0.120	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	1699	0.113	ppbv	93
9) Propene	1.483	41	1074	0.129	ppbv	91
10) Heptane	4.981	43	1104	0.055	ppbv #	19
11) Trichlorofluoromethane	1.877	101	1956	0.108	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.136	101	1757	0.123	ppbv	86
13) Ethanol	1.431	45	177428	325.277	ppbv	87
14) Bromoethene	1.780	108	680	0.130	ppbv #	53
15) Acetone	1.839	43	3959	0.217	ppbv	93
16) 1,3-Butadiene	1.612	39	1532	0.192	ppbv #	80
17) tert-Butyl alcohol	2.046	59	1823	0.116	ppbv #	75
18) 1,1-Dichloroethene	2.036	96	796	0.130	ppbv #	72
19) Isopropyl Alcohol	1.431	45	177428	17.995	ppbv #	94
20) Methylene Chloride	2.065	84	4078	0.471	ppbv	84
21) Allyl Chloride	2.098	41	1231	0.107	ppbv #	35
22) trans-1,2-Dichloroethene	2.036	96	796	0.115	ppbv	96
23) Vinyl Acetate	2.460	43	3254	0.139	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	1681	0.118	ppbv	97
25) Ethyl Acetate	2.832	43	4205	0.103	ppbv #	87
26) Hexane	2.826	57	7338	0.406	ppbv #	52
27) Carbon Disulfide	2.149	76	1829	0.112	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	1148	0.137	ppbv #	83
29) Chloroform	2.415	83	78	0.003	ppbv	95
30) Cyclohexane	3.855	84	552	0.044	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	2188	0.128	ppbv	89
32) 1,1,1-Trichloroethane	3.370	97	1495	0.054	ppbv #	29
34) 2-Butanone	2.564	43	2772	0.110	ppbv	95
35) Carbon Tetrachloride	3.764	117	1461	0.050	ppbv #	95
36) Benzene	3.661	78	1823	0.056	ppbv #	92
37) 1,2-Dichloroethane	3.217	62	2690	0.128	ppbv	98
38) Trichloroethene	4.548	130	942	0.058	ppbv #	34
39) 1,2-Dichloropropane	3.959	63	86667	6.802	ppbv #	17
40) 1,4-Dioxane	4.609	88	195	0.040	ppbv #	20
41) Tetrahydrofuran	3.072	42	1046	0.087	ppbv #	77
42) Bromodichloromethane	4.489	83	2618	0.092	ppbv #	78
43) Methyl Methacrylate	4.881	69	247	0.023	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	2748	0.050	ppbv #	40
45) t-1,3-Dichloropropene	6.415	75	213	0.018	ppbv	93

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

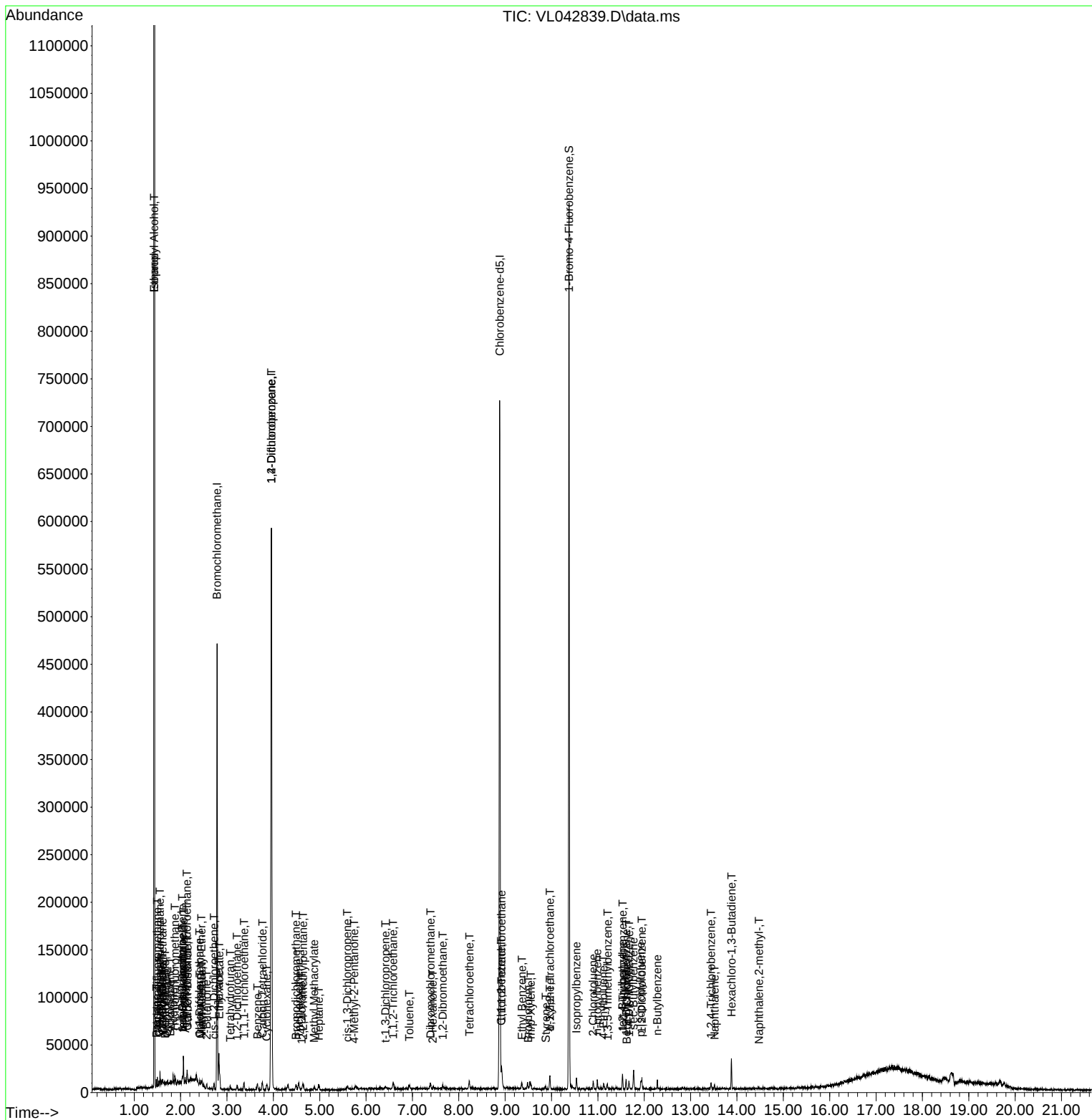
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 ClientSampleId :

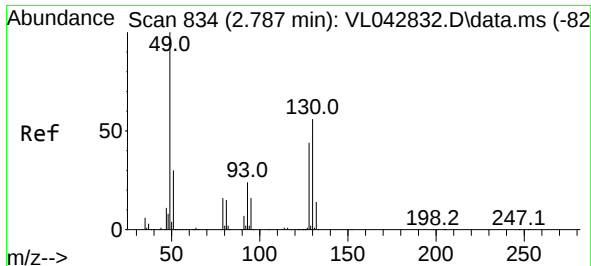
Quant Time: Aug 12 02:13:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.596	75	582	0.037	ppbv	#	84
47) 1,1,2-Trichloroethane	6.584	97	483	0.035	ppbv	#	55
48) Dibromochloromethane	7.389	129	1052	0.047	ppbv	#	1
49) Bromoform	9.496	173	287	0.015	ppbv	#	27
50) 4-Methyl-2-Pentanone	5.742	43	103	0.004	ppbv	#	41
51) 2-Hexanone	7.438	43	332	0.015	ppbv	#	32
52) Tetrachloroethene	8.231	164	723	0.060	ppbv	#	50
53) Toluene	6.936	91	486	0.016	ppbv	#	21
54) 1,2-Dibromoethane	7.652	107	1354	0.073	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.920	131	1268	0.072	ppbv	#	8
57) Chlorobenzene	8.914	112	3230	0.106	ppbv	#	86
58) Ethyl Benzene	9.361	91	1637	0.039	ppbv		93
59) m/p-Xylene	9.552	91	1606	0.045	ppbv	#	100
60) o-Xylene	9.966	91	2101	0.060	ppbv		89
61) Styrene	9.878	104	1044	0.680	ppbv	#	88
62) Isopropylbenzene	10.539	105	4010	0.075	ppbv	#	88
63) 1,1,2,2-Tetrachloroethane	9.966	83	2789	0.107	ppbv		92
64) n-propylbenzene	10.985	120	582	0.042	ppbv		98
65) tert-Butylbenzene	11.532	119	2732	0.058	ppbv		99
66) Benzyl Chloride	11.626	91	85	0.017	ppbv	#	66
67) sec-Butylbenzene	11.765	105	3679	0.053	ppbv	#	78
69) p-Isopropyltoluene	11.921	119	2669	0.048	ppbv	#	81
70) n-Butylbenzene	12.283	91	2543	0.046	ppbv		92
71) 2-Chlorotoluene	10.898	91	2712	0.069	ppbv		81
72) 4-Ethyltoluene	11.121	105	2409	0.057	ppbv	#	86
73) 1,3,5-Trimethylbenzene	11.209	105	2035	0.056	ppbv	#	79
74) 1,2,4-Trimethylbenzene	11.536	105	1528	0.036	ppbv	#	85
75) 1,3-Dichlorobenzene	11.610	146	1935	0.063	ppbv		80
76) 1,4-Dichlorobenzene	11.672	146	1875	0.066	ppbv		97
77) 1,2-Dichlorobenzene	11.950	146	2239	0.072	ppbv		82
78) Hexachloro-1,3-Butadiene	13.882	225	3162	0.119	ppbv		88
79) Naphthalene	13.516	128	1898	0.069	ppbv	#	88
80) Naphthalene,2-methyl-	14.474	142	678	0.073	ppbv	#	38
81) 1,2,4-Trichlorobenzene	13.442	180	1236	0.061	ppbv		96

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

Quant Time: Aug 12 02:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
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QLast Update : Tue Aug 12 01:58:08 2025
Response via : Initial Calibration

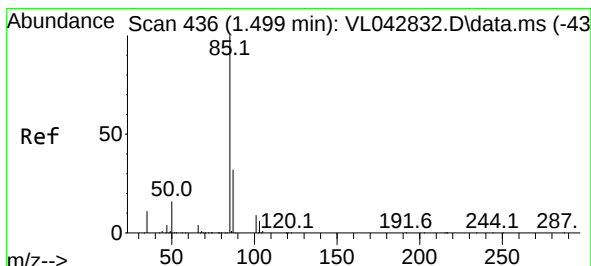
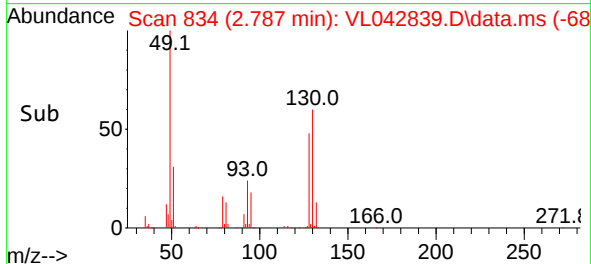
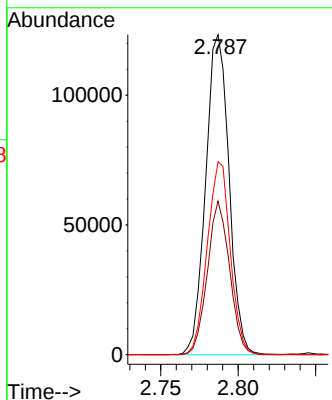
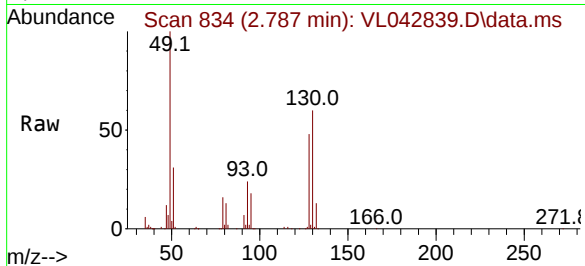




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 834
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

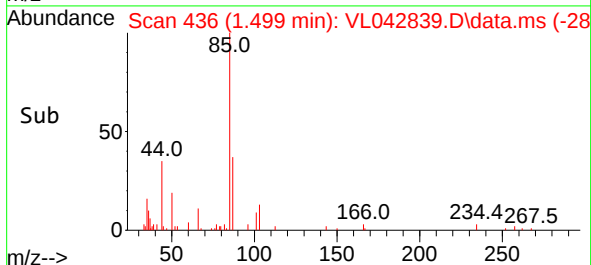
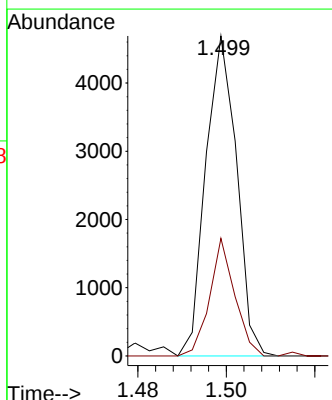
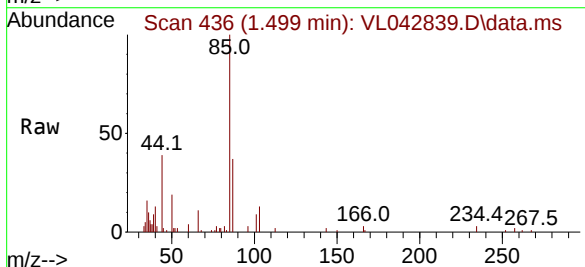
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 ClientSampleId :

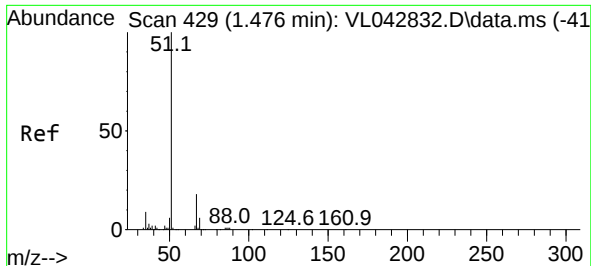
Tgt Ion: 49 Resp: 129337
 Ion Ratio Lower Upper
 49 100
 128 45.5 23.2 69.6
 130 59.4 29.0 87.1



#2
 Dichlorodifluoromethane
 Concen: 0.125 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Tgt Ion: 85 Resp: 2270
 Ion Ratio Lower Upper
 85 100
 87 36.8 25.9 38.9

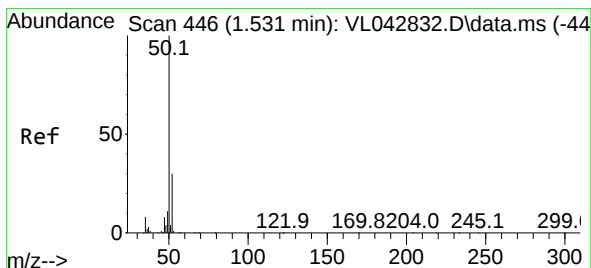
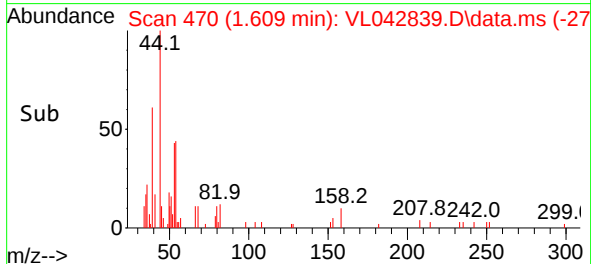
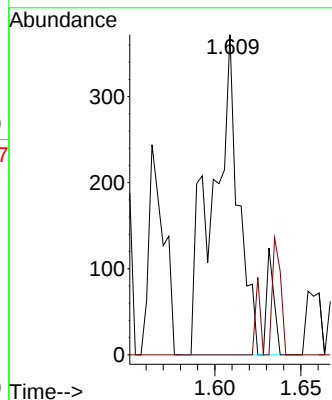
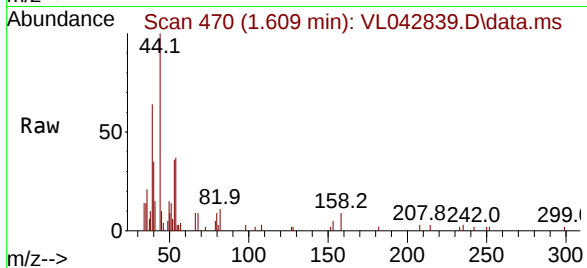




#3
Chlorodifluoromethane
Concen: 0.018 ppbv
RT: 1.609 min Scan# 41
Delta R.T. 0.133 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

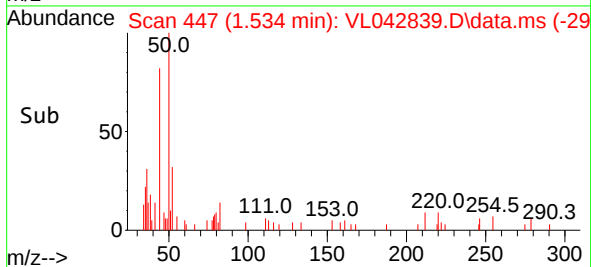
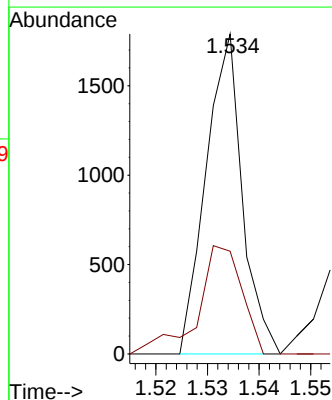
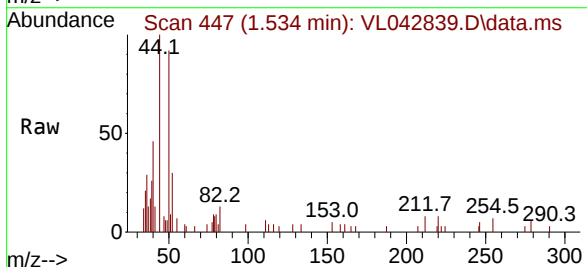
Instrument :
MSVOA_L
ClientSampleId :

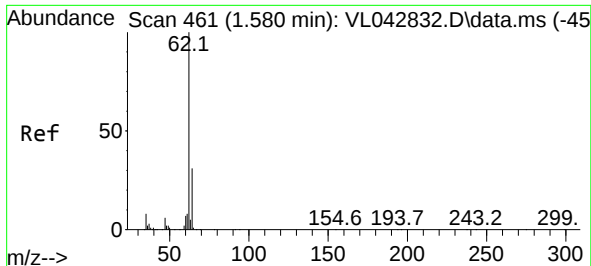
Tgt Ion: 51 Resp: 427
Ion Ratio Lower Upper
51 100
67 14.8 14.7 22.1



#4
Chloromethane
Concen: 0.115 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 50 Resp: 873
Ion Ratio Lower Upper
50 100
52 32.1 24.3 36.5

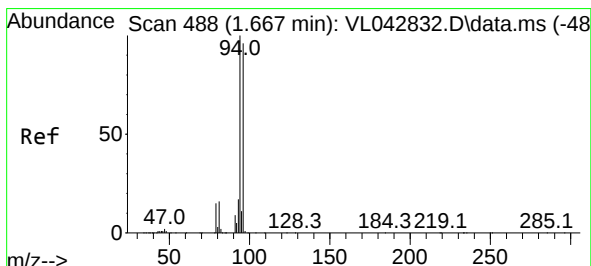
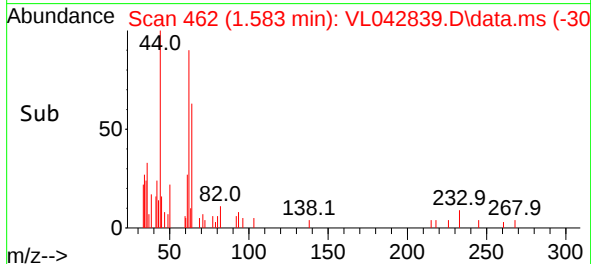
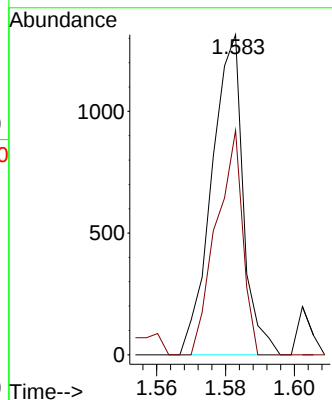
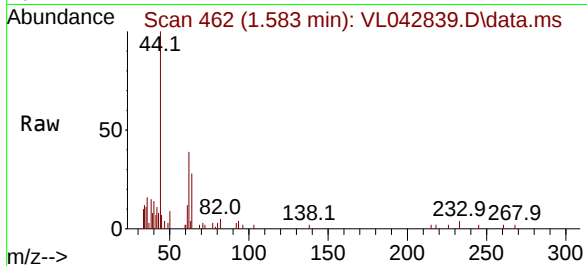




#5
 Vinyl Chloride
 Concen: 0.115 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

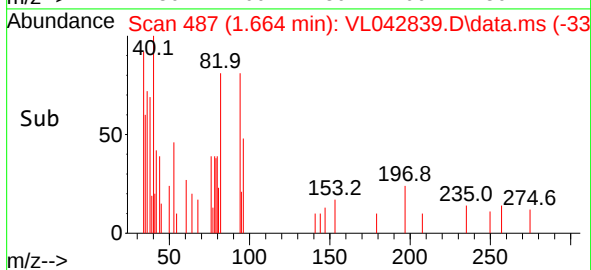
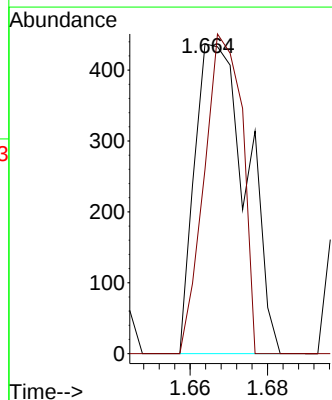
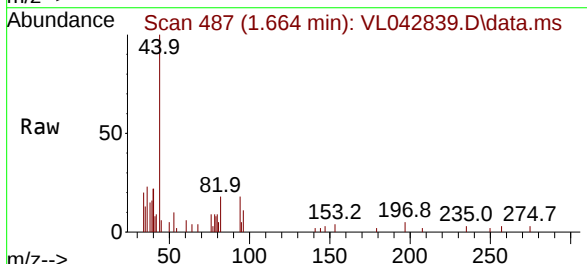
Instrument :
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 ClientSampleId :

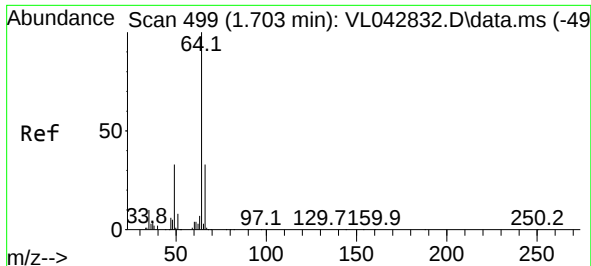
Tgt Ion: 62 Resp: 835
 Ion Ratio Lower Upper
 62 100
 64 70.1 24.9 37.3#



#6
 Bromomethane
 Concen: 0.149 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Tgt Ion: 94 Resp: 407
 Ion Ratio Lower Upper
 94 100
 96 59.5 76.2 114.4#

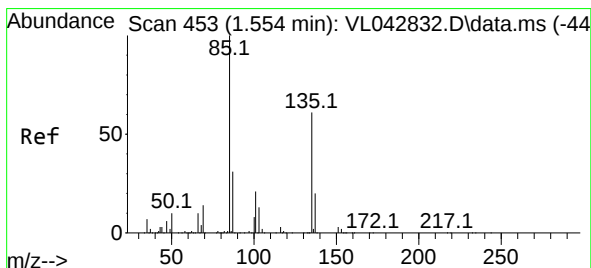
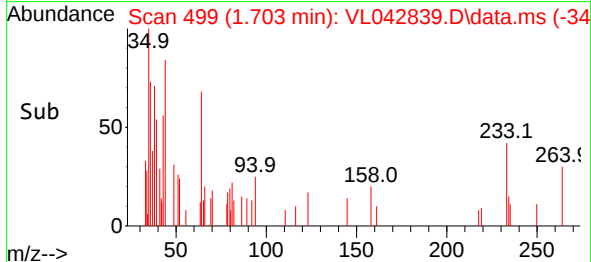
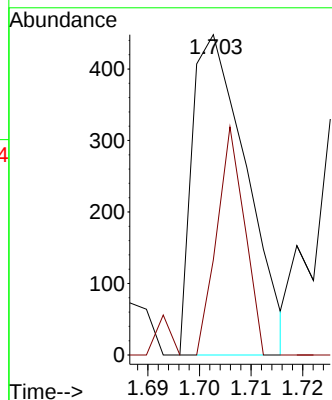
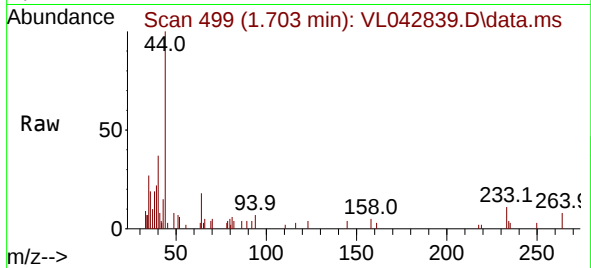




#7
Chloroethane
Concen: 0.120 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

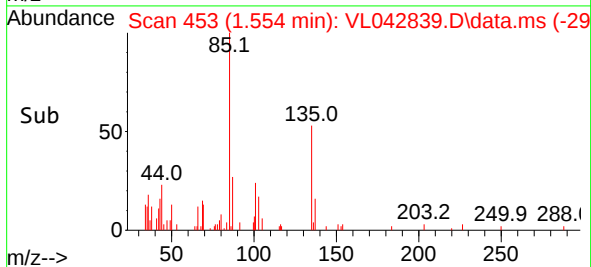
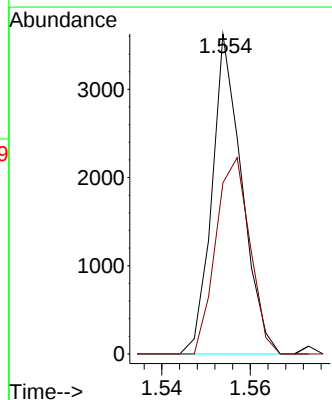
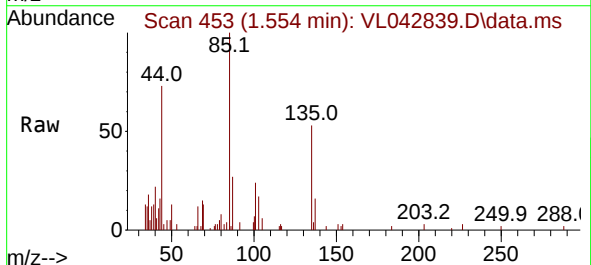
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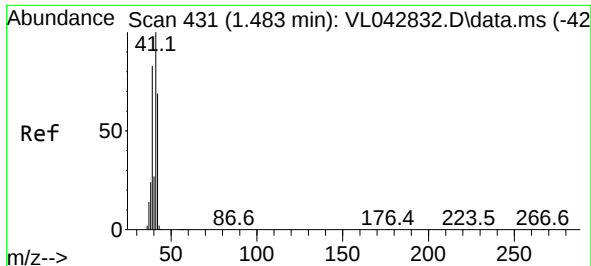
Tgt Ion: 64 Resp: 327
Ion Ratio Lower Upper
64 100
66 29.7 26.6 40.0



#8
Dichlorotetrafluoroethane
Concen: 0.113 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 85 Resp: 1699
Ion Ratio Lower Upper
85 100
135 70.2 51.8 77.8

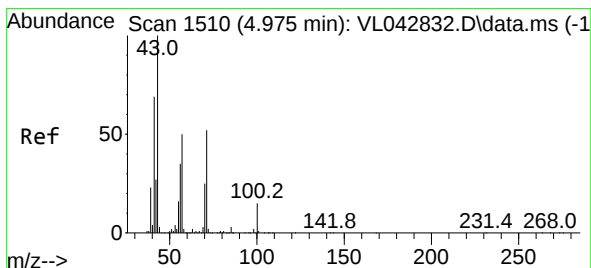
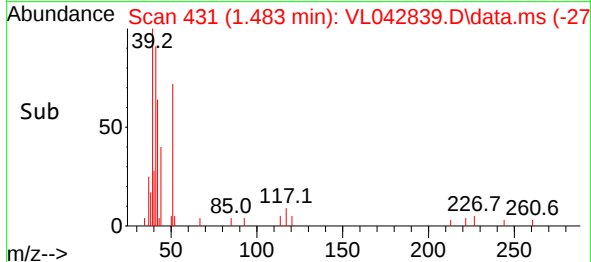
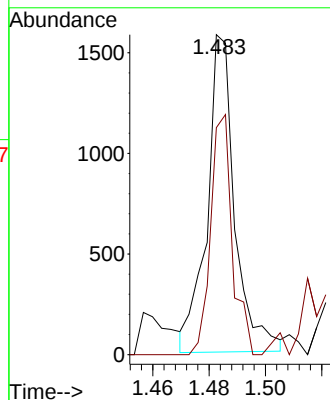
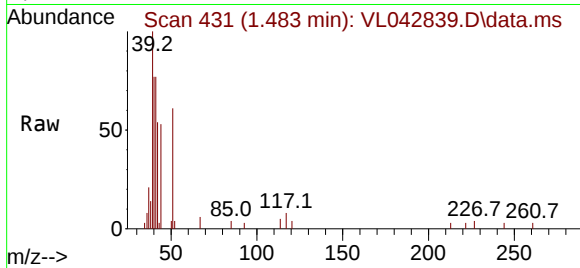




#9
 Propene
 Concen: 0.129 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

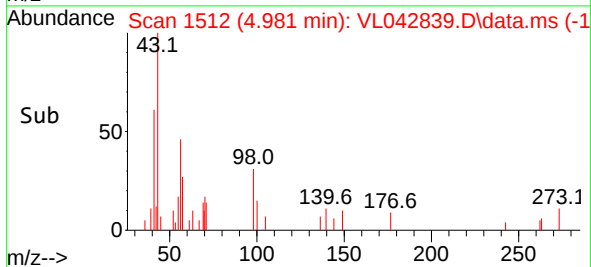
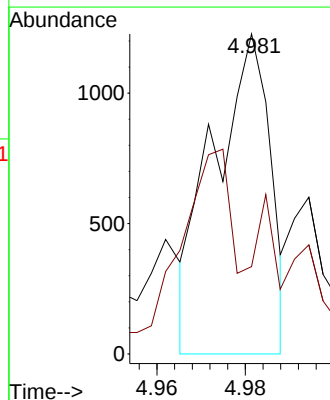
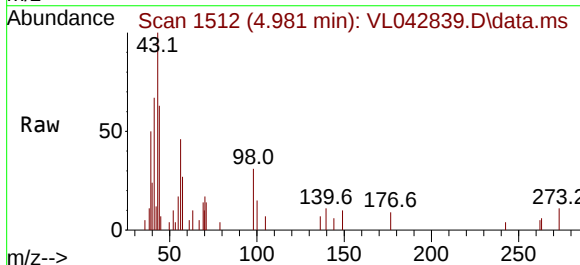
Instrument :
 MSVOA_L
 ClientSampleId :

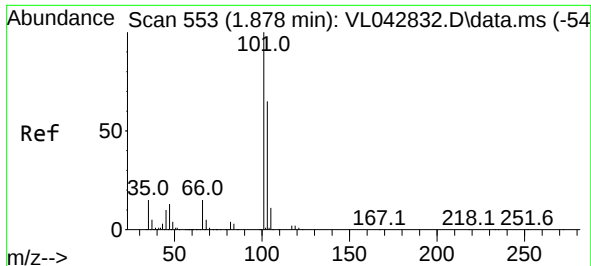
Tgt Ion: 41 Resp: 1074
 Ion Ratio Lower Upper
 41 100
 42 62.0 55.4 83.0



#10
 Heptane
 Concen: 0.055 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.006 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

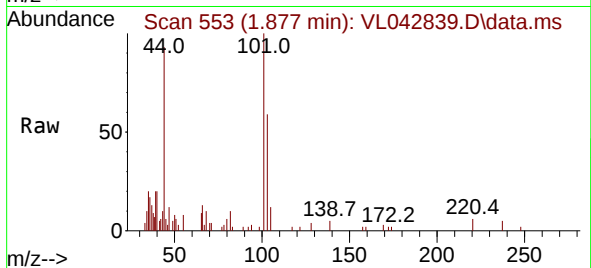
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 Ion Ratio Lower Upper
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 57 103.4 38.7 58.1#



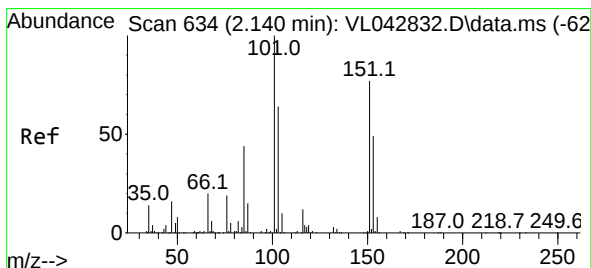
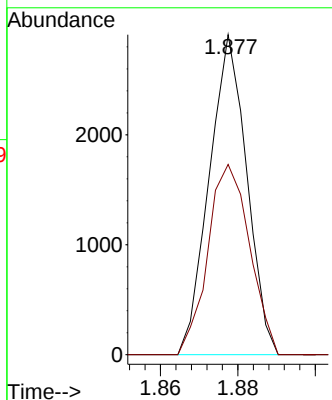
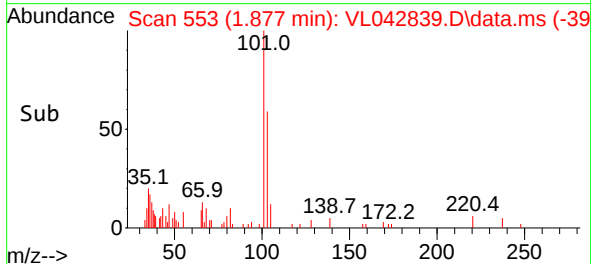


#11
 Trichlorofluoromethane
 Concen: 0.108 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

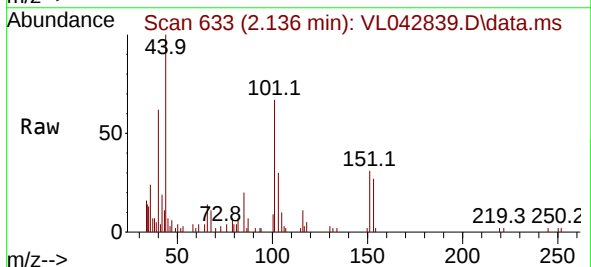
Instrument :
 MSVOA_L
 ClientSampleId :



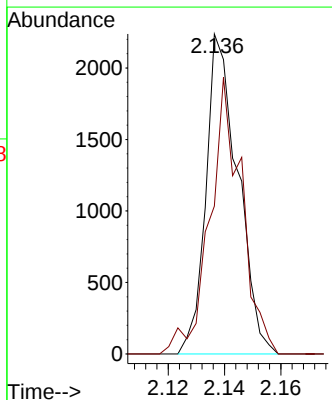
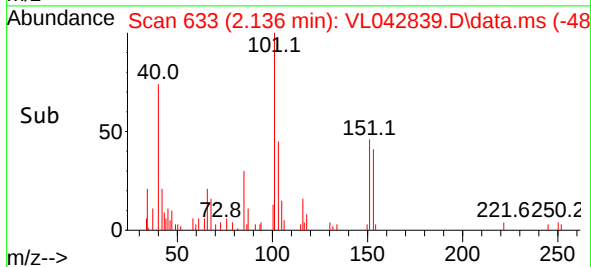
Tgt Ion:101 Resp: 1956
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.7 77.5

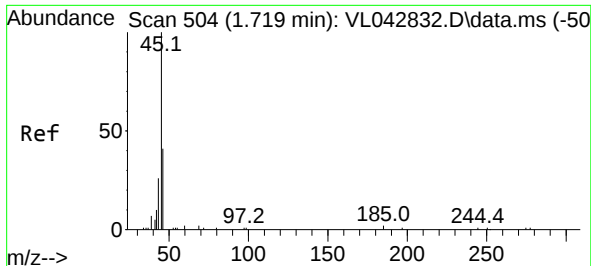


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.123 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41



Tgt Ion:101 Resp: 1757
 Ion Ratio Lower Upper
 101 100
 151 86.2 59.3 88.9

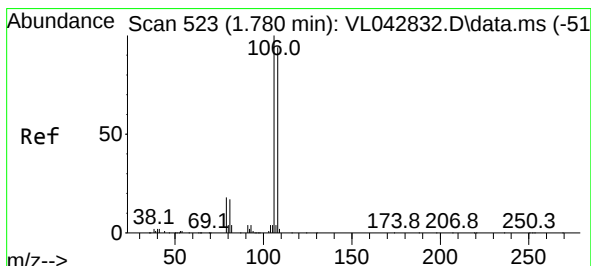
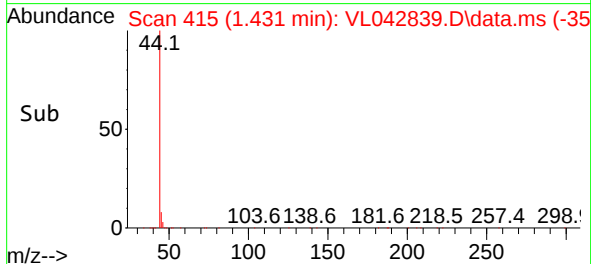
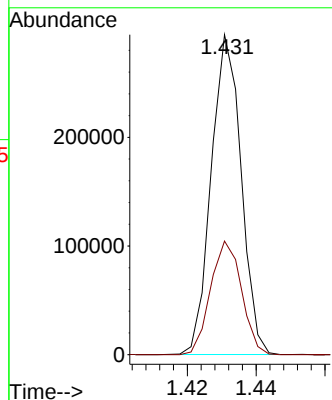
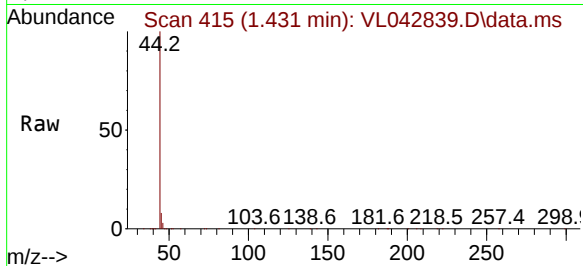




#13
Ethanol
Concen: 325.277 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.288 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

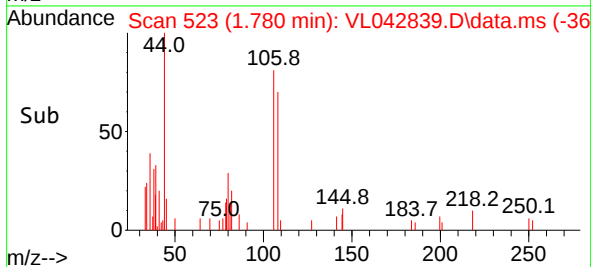
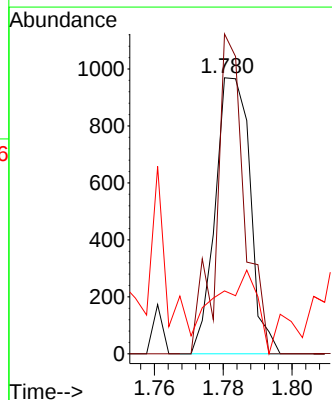
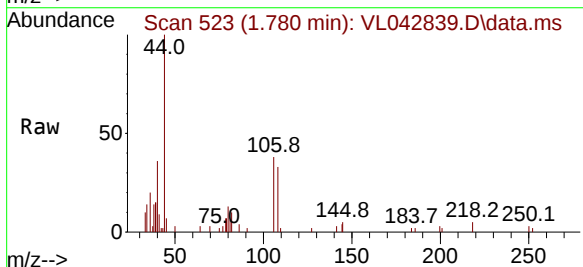
Instrument :
MSVOA_L
ClientSampleId :

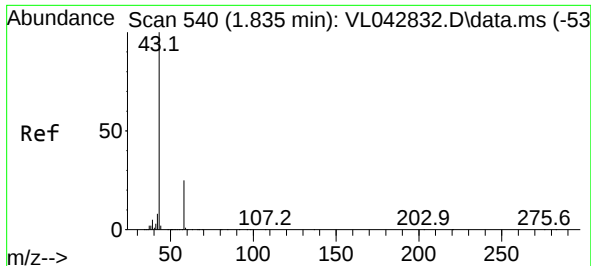
Tgt Ion: 45 Resp: 177428
Ion Ratio Lower Upper
45 100
46 36.8 18.1 72.5



#14
Bromoethene
Concen: 0.130 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 108 Resp: 680
Ion Ratio Lower Upper
108 100
106 92.9 82.6 123.8
79 127.9 15.9 23.9#

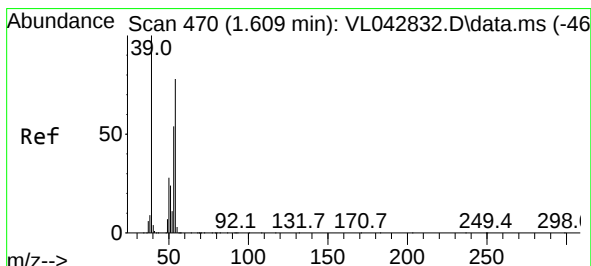
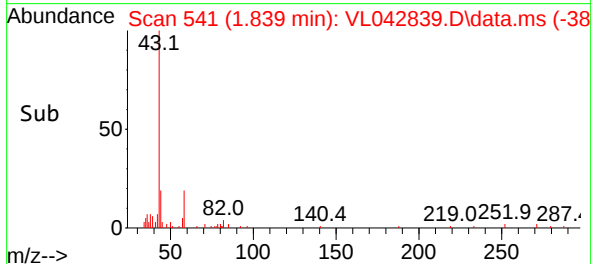
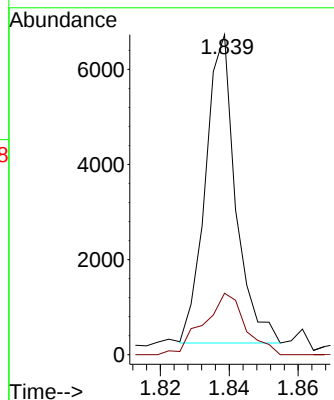
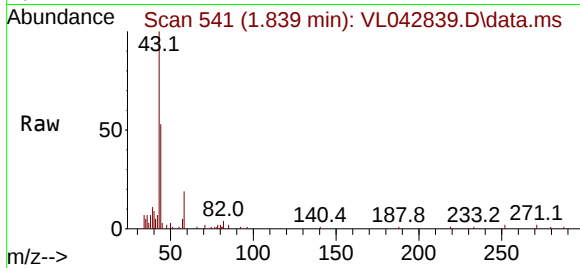




#15
Acetone
Concen: 0.217 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

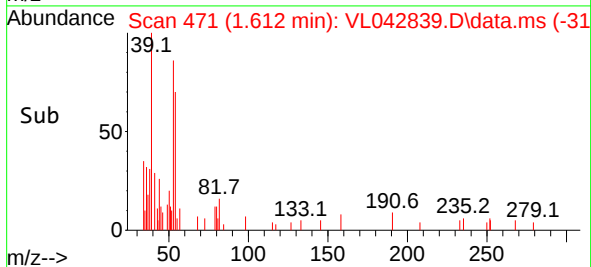
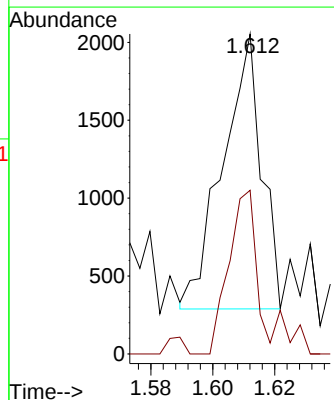
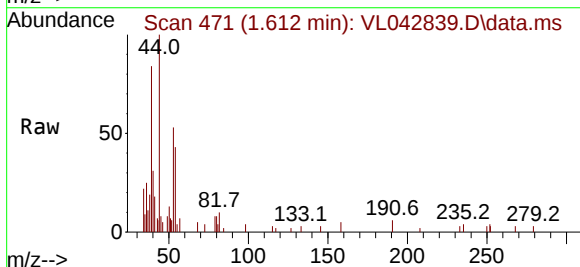
Instrument :
MSVOA_L
ClientSampleId :

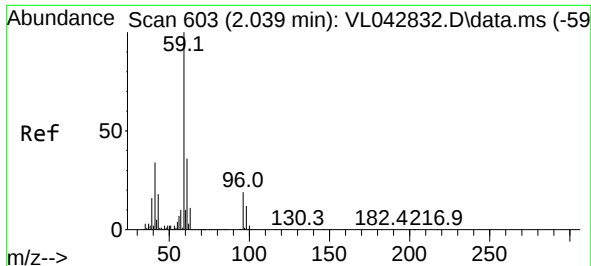
Tgt Ion: 43 Resp: 3959
Ion Ratio Lower Upper
43 100
58 28.1 19.5 29.3



#16
1,3-Butadiene
Concen: 0.192 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 39 Resp: 1532
Ion Ratio Lower Upper
39 100
54 51.6 54.1 81.1#





#17

tert-Butyl alcohol

Concen: 0.116 ppbv

RT: 2.046 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

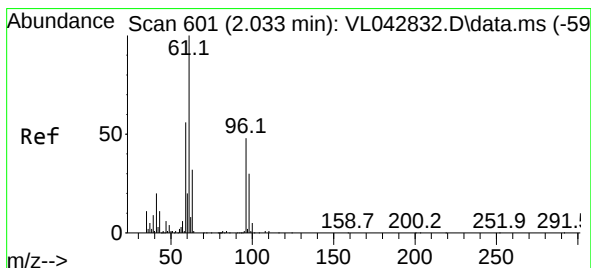
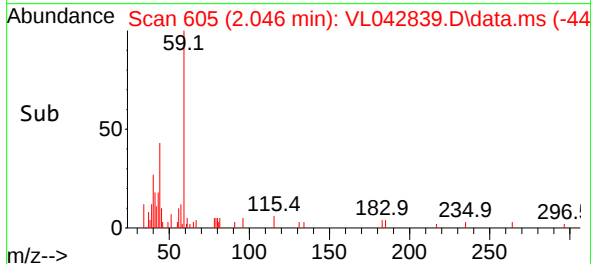
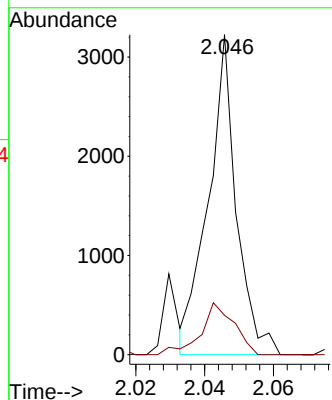
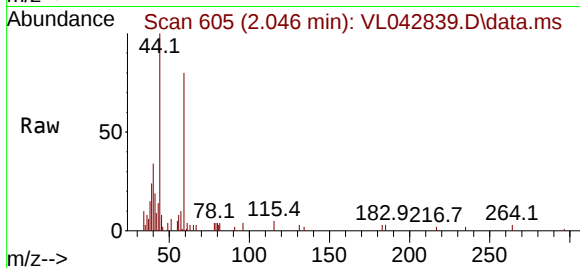
ClientSampleId :

Tgt Ion: 59 Resp: 1823

Ion Ratio Lower Upper

59 100

57 20.4 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.130 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

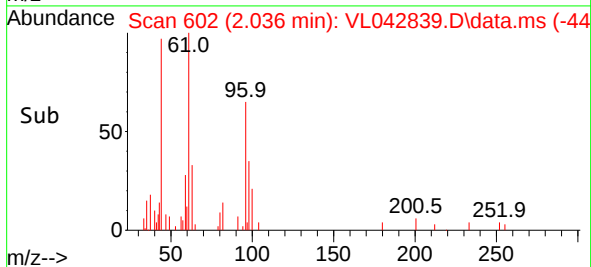
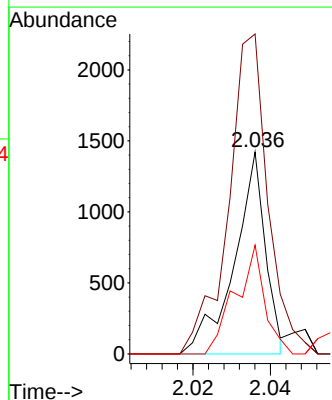
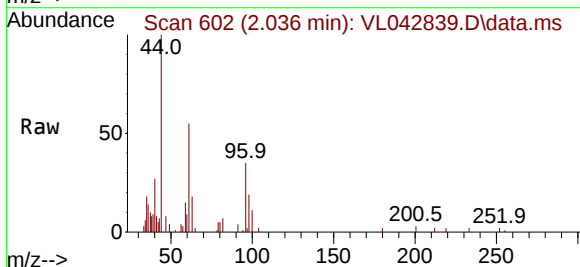
Tgt Ion: 96 Resp: 796

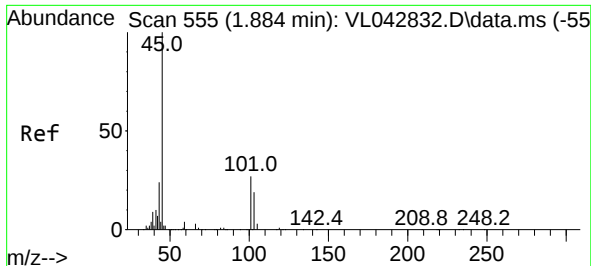
Ion Ratio Lower Upper

96 100

61 158.4 167.9 251.9#

98 53.9 49.6 74.4

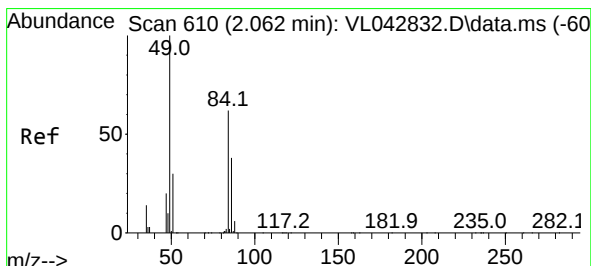
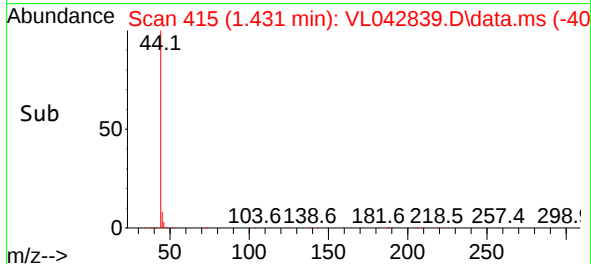
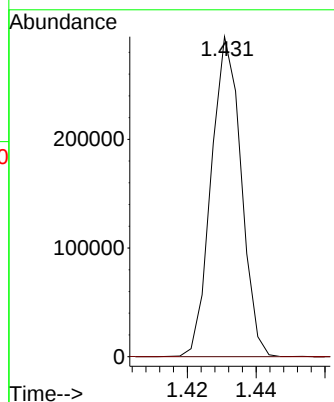
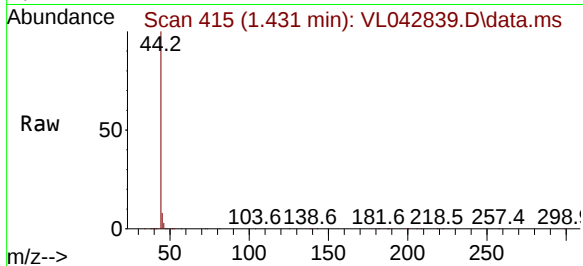




#19
Isopropyl Alcohol
Concen: 17.995 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.453 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

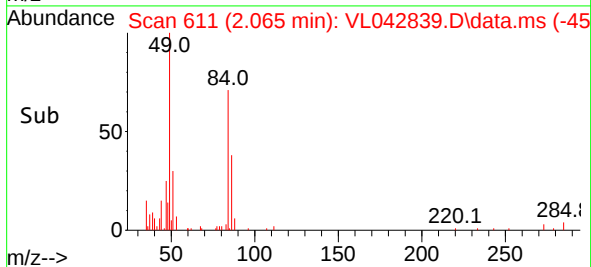
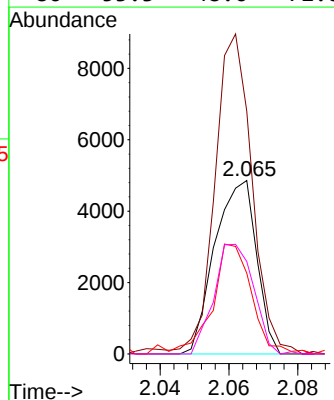
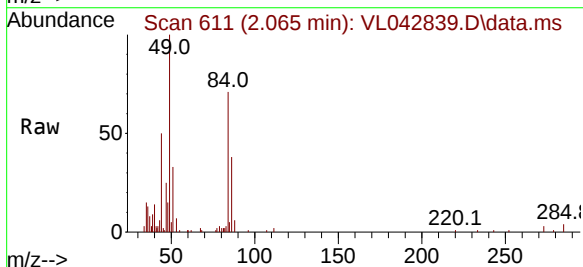
Instrument :
MSVOA_L
ClientSampleId :

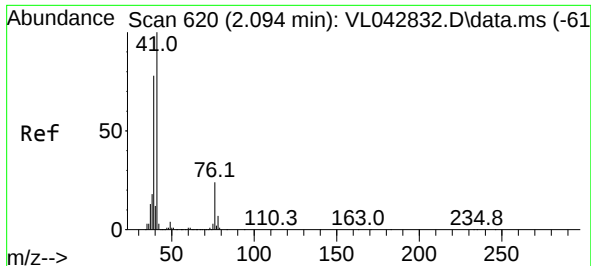
Tgt Ion: 45 Resp: 177428
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#



#20
Methylene Chloride
Concen: 0.471 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 84 Resp: 4078
Ion Ratio Lower Upper
84 100
49 137.1 129.3 193.9
51 42.0 41.1 61.7
86 53.3 48.6 72.8

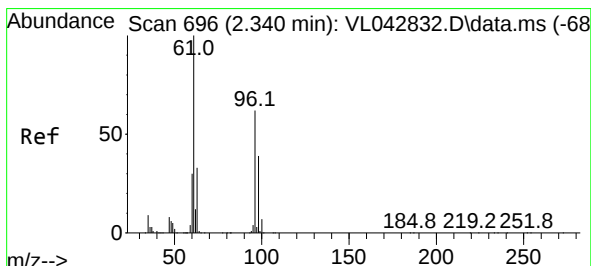
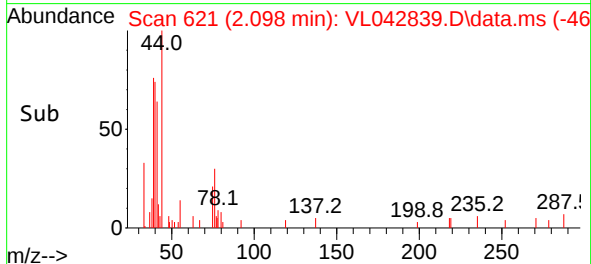
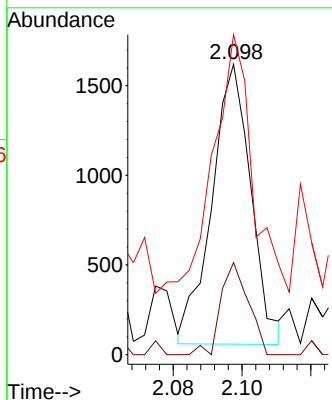
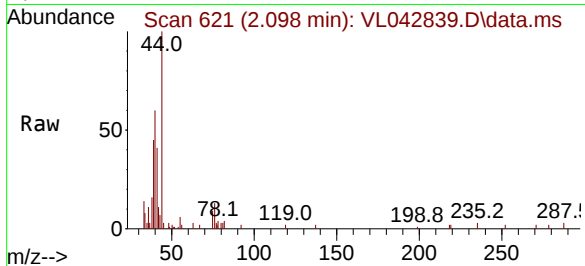




#21
 Allyl Chloride
 Concen: 0.107 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

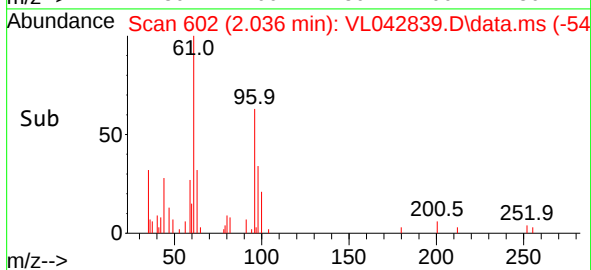
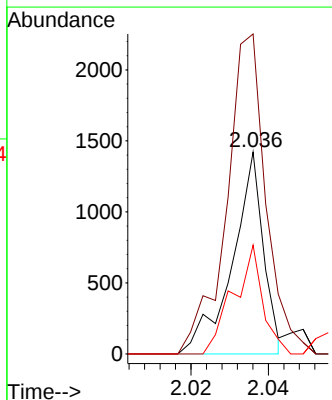
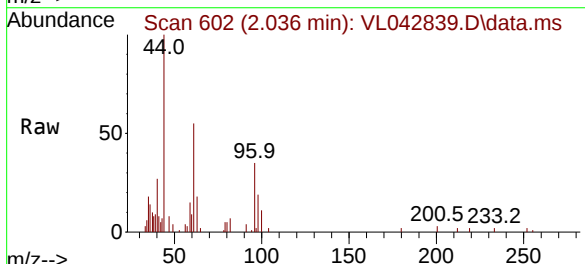
Instrument :
 MSVOA_L
 ClientSampleId :

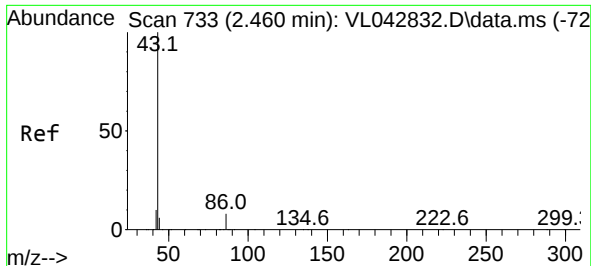
Tgt Ion: 41 Resp: 1231
 Ion Ratio Lower Upper
 41 100
 76 24.5 20.4 30.6
 39 159.1 66.2 99.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.115 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. -0.304 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Tgt Ion: 96 Resp: 796
 Ion Ratio Lower Upper
 96 100
 61 158.4 128.1 192.1
 98 53.9 50.2 75.4

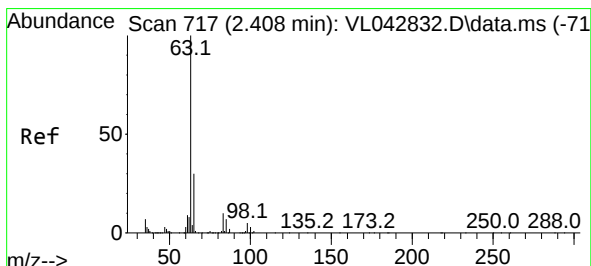
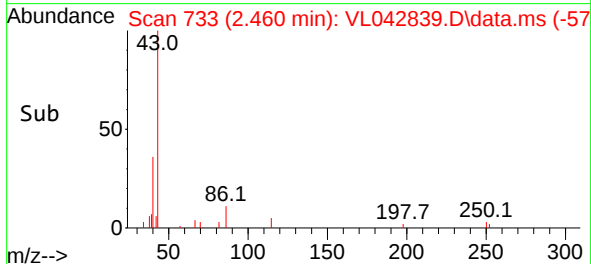
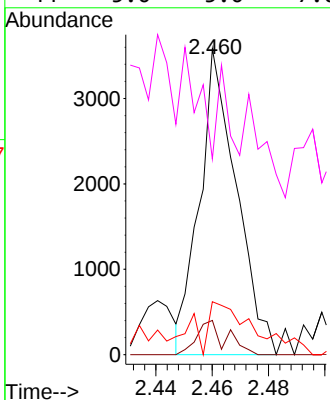
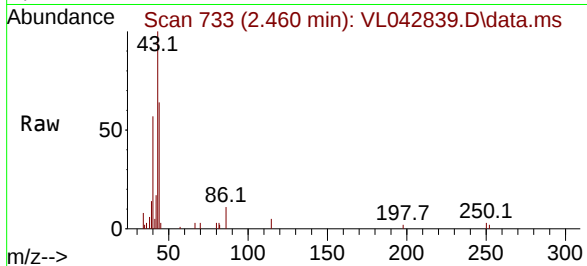




#23
 Vinyl Acetate
 Concen: 0.139 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

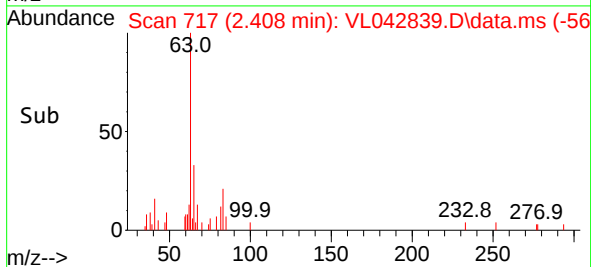
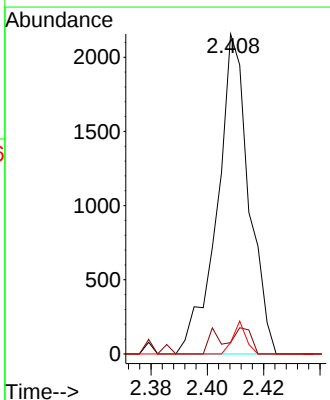
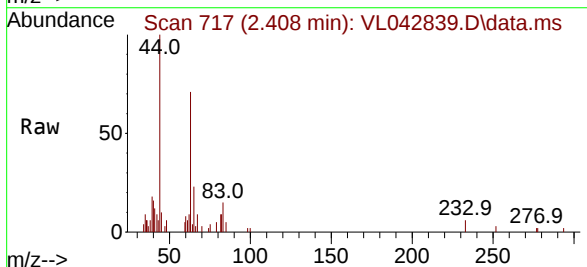
Instrument :
 MSVOA_L
 ClientSampleId :

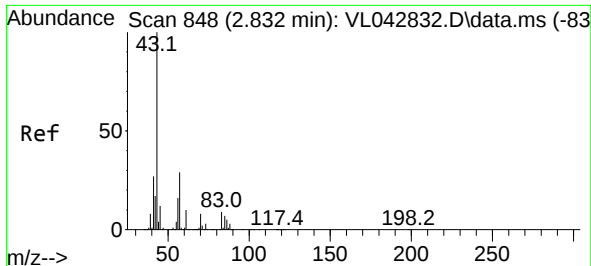
Tgt	Ion: 43	Resp:	3254
Ion	Ratio	Lower	Upper
43	100		
86	11.2	6.0	9.0#
42	11.4	8.5	12.7
44	5.0	5.0	7.6#



#24
 1,1-Dichloroethane
 Concen: 0.118 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Tgt Ion: 63	Resp: 1681
Ion Ratio	Lower Upper
63 100	
98 3.5	2.4 7.1
100 3.5	1.6 4.7





#25

Ethyl Acetate

Concen: 0.103 ppbv

RT: 2.832 min Scan# 848

Delta R.T. -0.000 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 4205

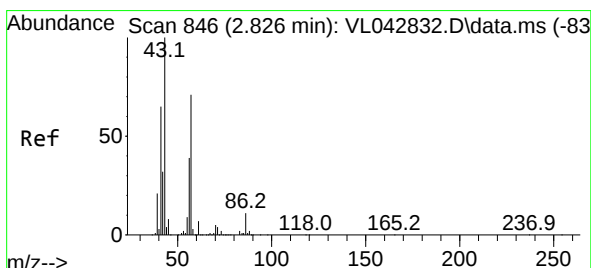
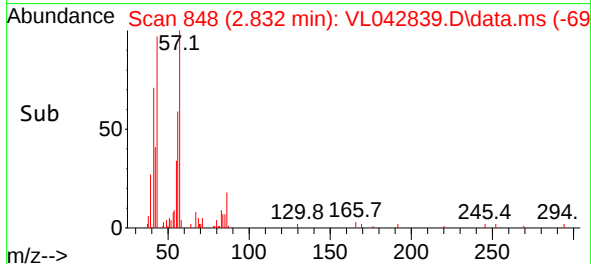
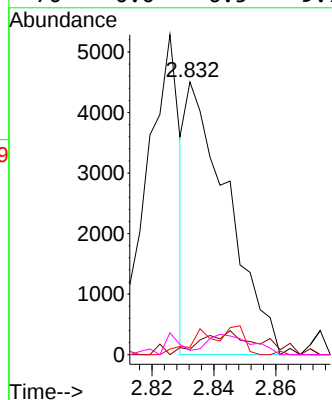
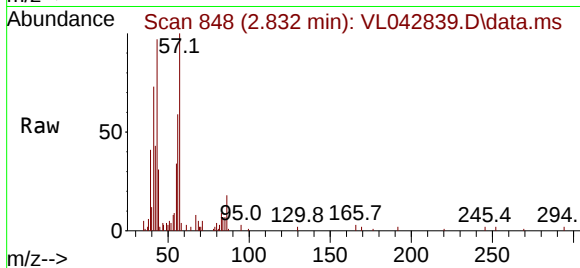
Ion Ratio Lower Upper

43 100

45 13.2 7.8 11.8#

61 11.2 7.0 10.6#

70 0.0 6.5 9.7#



#26

Hexane

Concen: 0.406 ppbv

RT: 2.826 min Scan# 846

Delta R.T. -0.000 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Tgt Ion: 57 Resp: 7338

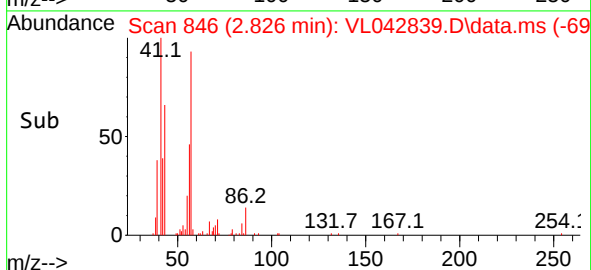
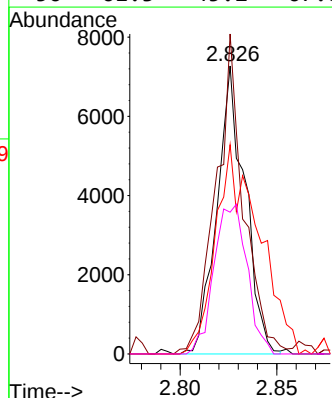
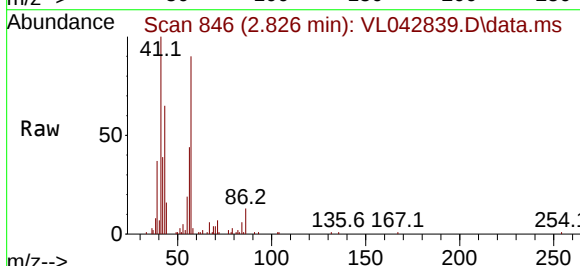
Ion Ratio Lower Upper

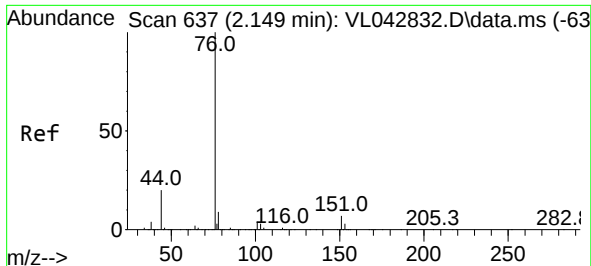
57 100

41 112.5 76.8 115.2

43 115.0 185.4 278.2#

56 61.3 45.2 67.8





#27

Carbon Disulfide

Concen: 0.112 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

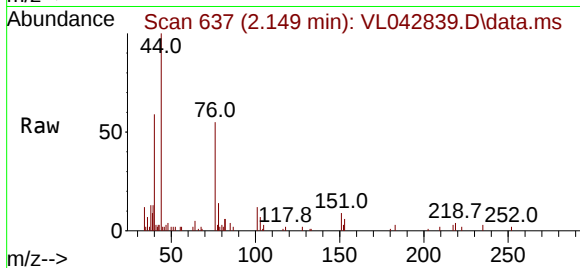
Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :



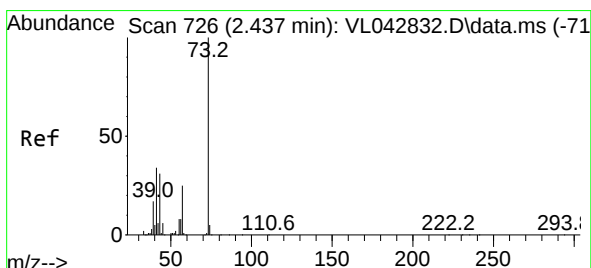
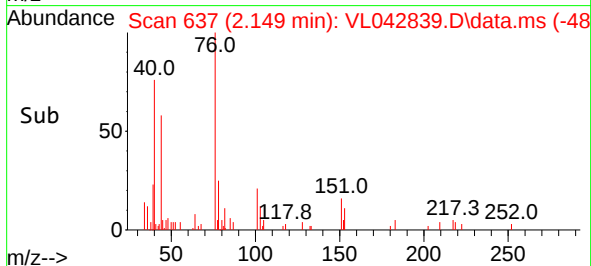
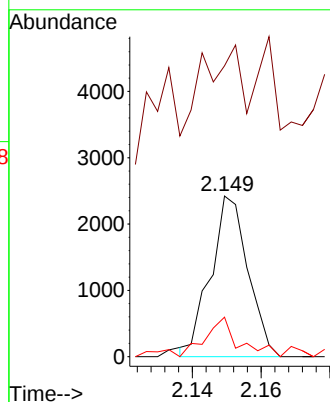
Tgt Ion: 76 Resp: 1829

Ion Ratio Lower Upper

76 100

44 224.1 19.4 29.0#

78 23.9 9.3 13.9#



#28

Methyl tert-Butyl Ether

Concen: 0.137 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.010 min

Lab File: VL042839.D

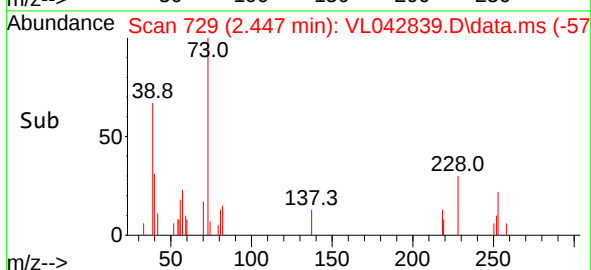
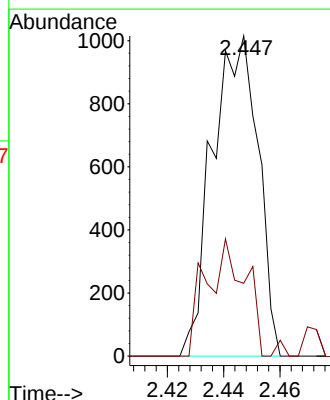
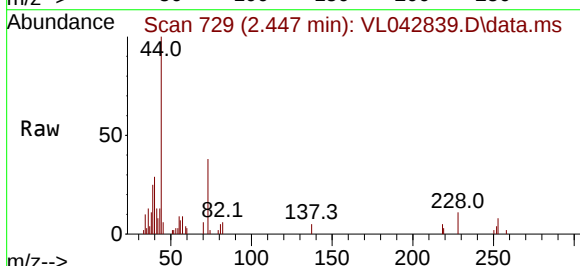
Acq: 11 Aug 2025 12:41

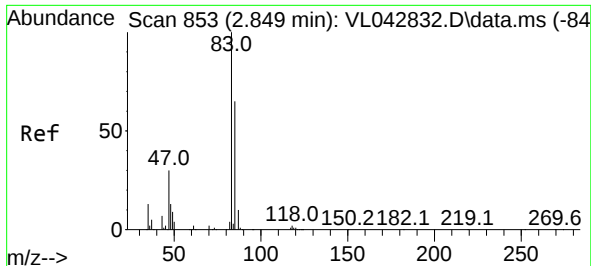
Tgt Ion: 73 Resp: 1148

Ion Ratio Lower Upper

73 100

57 32.1 18.9 28.3#





#29

Chloroform

Concen: 0.003 ppbv

RT: 2.415 min Scan# 71

Delta R.T. -0.434 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

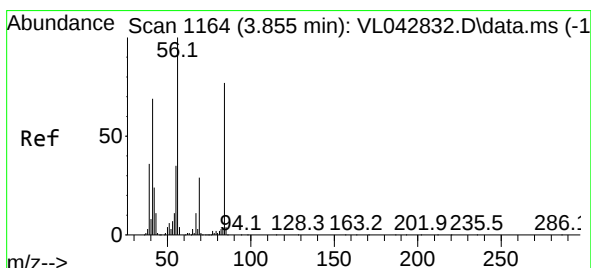
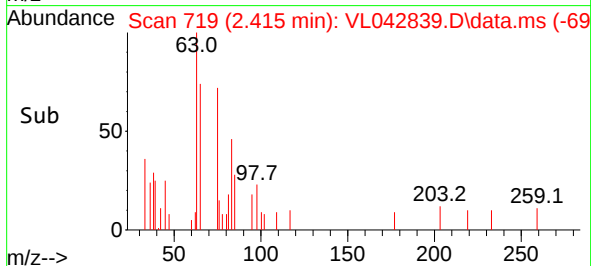
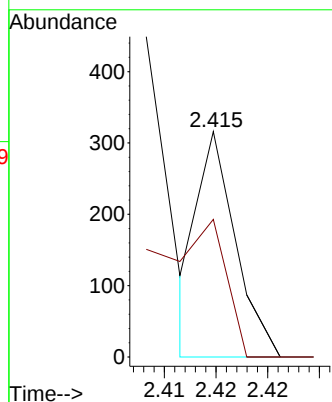
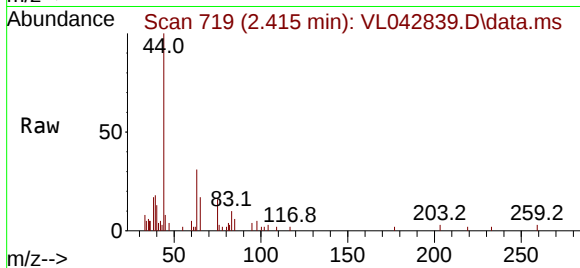
ClientSampleId :

Tgt Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

85 61.1 51.9 77.9



#30

Cyclohexane

Concen: 0.044 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

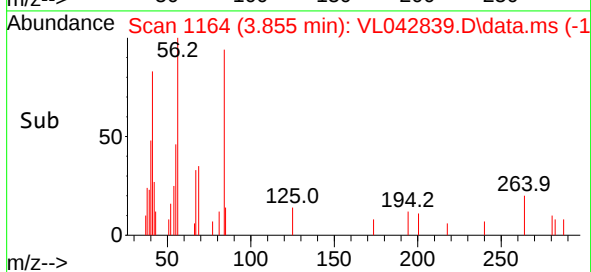
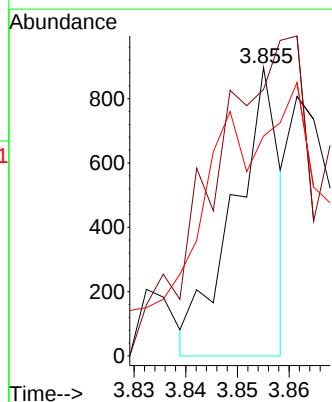
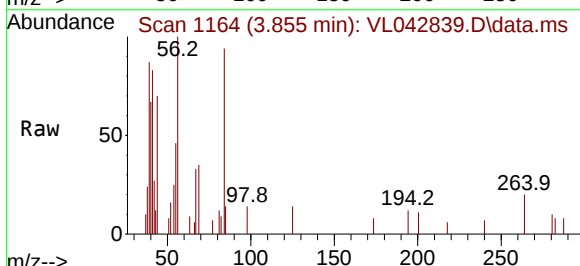
Tgt Ion: 84 Resp: 552

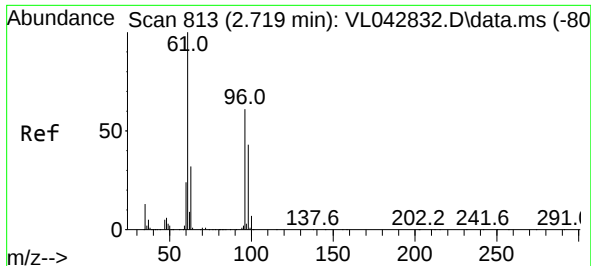
Ion Ratio Lower Upper

84 100

56 0.0 102.9 154.3#

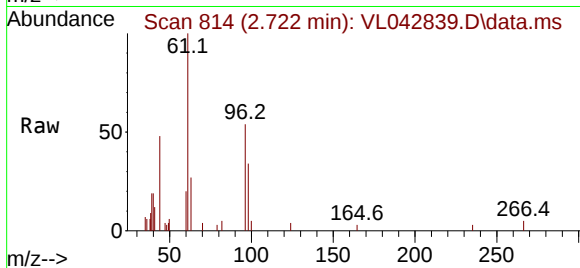
41 0.0 72.2 108.4#



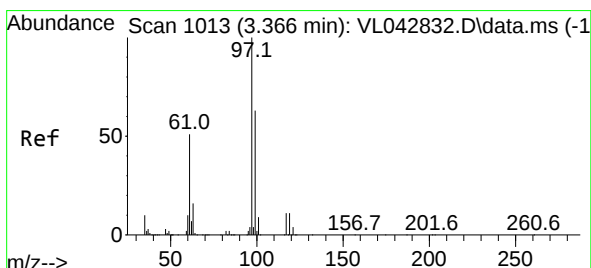
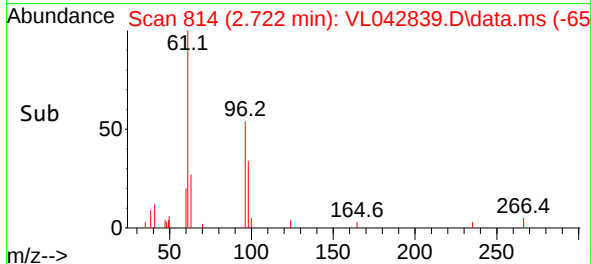
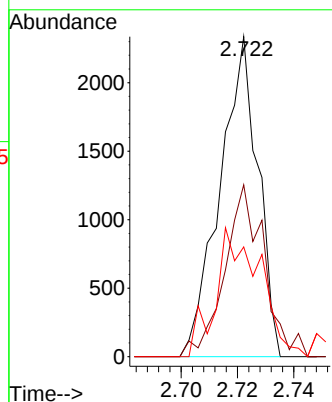


#31
 cis-1,2-Dichloroethene
 Concen: 0.128 ppbv
 RT: 2.722 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Instrument :
 MSVOA_L
 ClientSampleId :

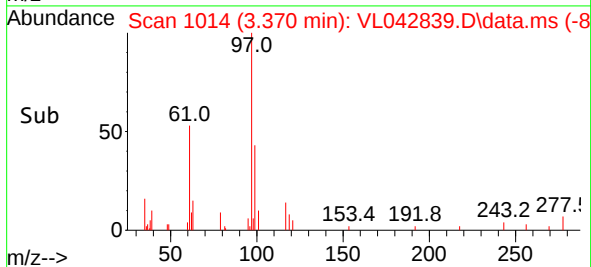
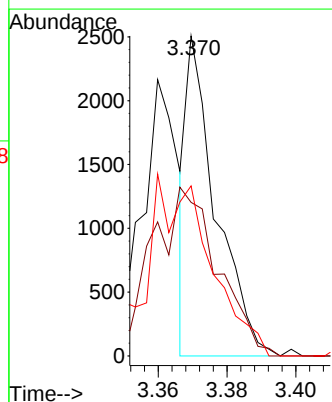
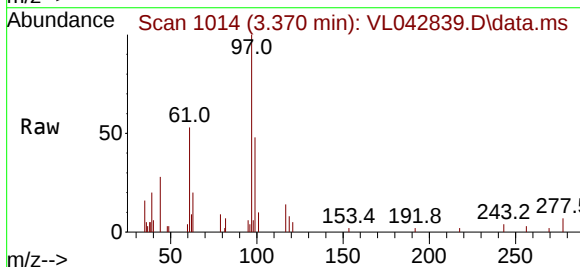


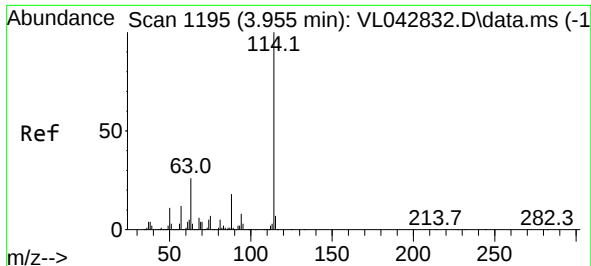
Tgt Ion: 61 Resp: 2188
 Ion Ratio Lower Upper
 61 100
 96 53.7 49.1 73.7
 98 34.3 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 0.054 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Tgt Ion: 97 Resp: 1495
 Ion Ratio Lower Upper
 97 100
 99 115.9 50.7 76.1#
 61 0.0 42.0 63.0#

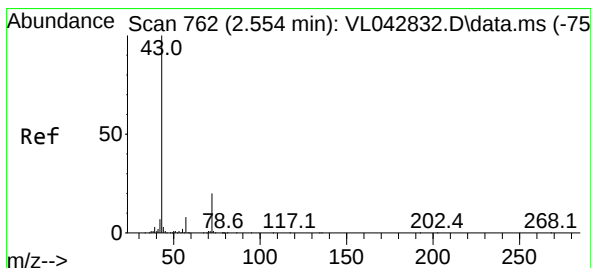
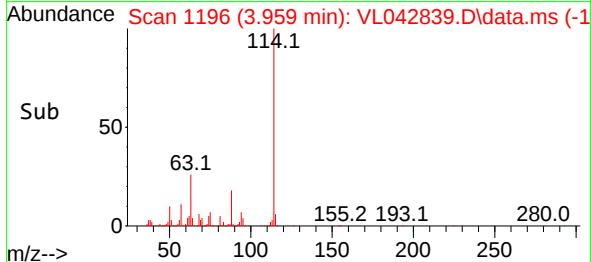
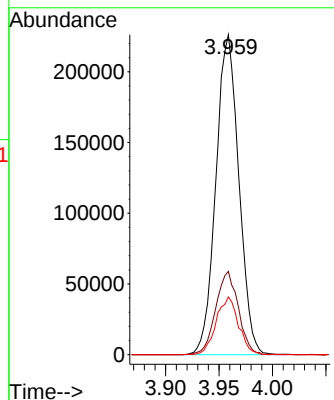
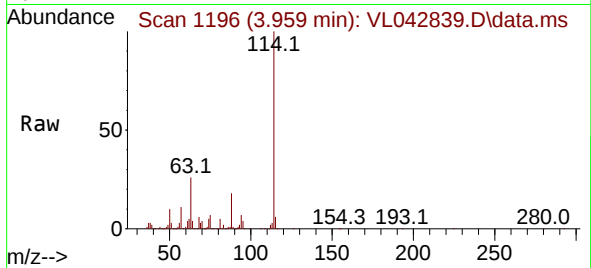




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

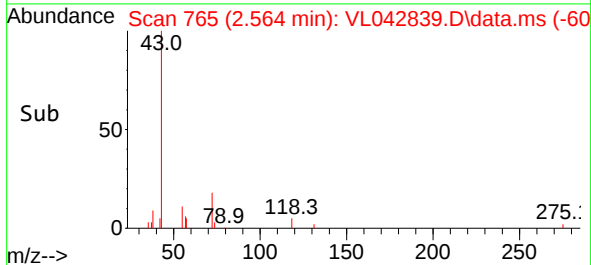
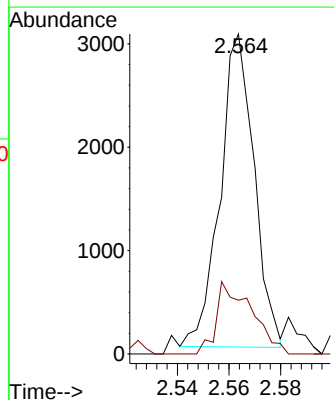
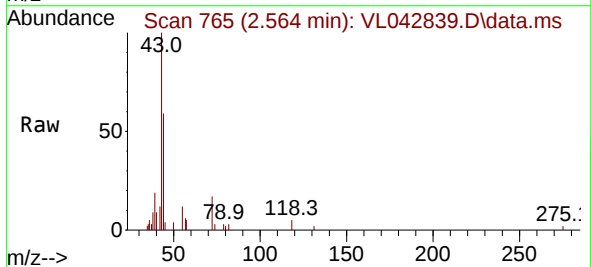
Instrument :
MSVOA_L
ClientSampleId :

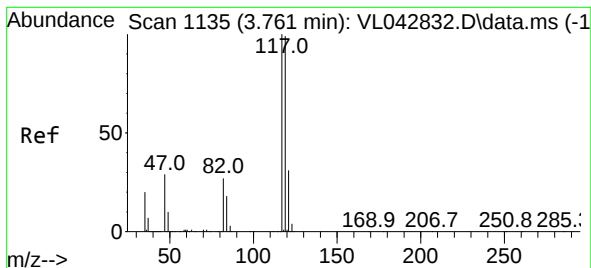
Tgt Ion:114 Resp: 338430
Ion Ratio Lower Upper
114 100
63 25.7 21.0 31.6
88 17.5 13.8 20.8



#34
2-Butanone
Concen: 0.110 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 43 Resp: 2772
Ion Ratio Lower Upper
43 100
72 23.9 17.2 25.8





#35

Carbon Tetrachloride

Concen: 0.050 ppbv

RT: 3.764 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042839.D

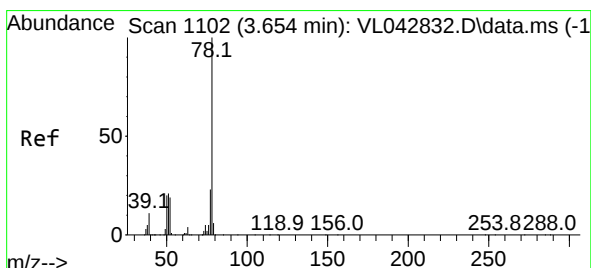
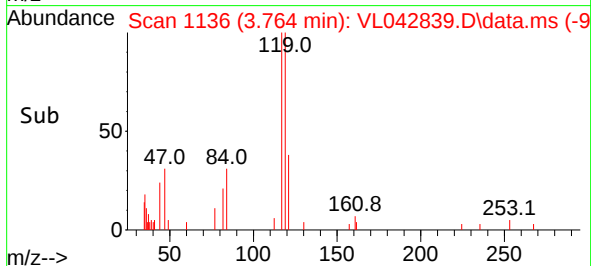
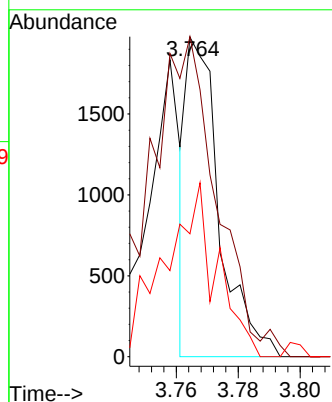
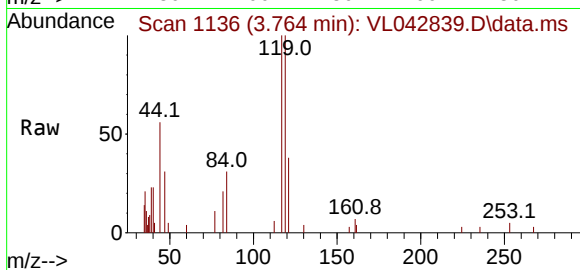
Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	117	Resp:	1461
Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.3	118.9
121	38.5	25.0	37.4#



#36

Benzene

Concen: 0.056 ppbv

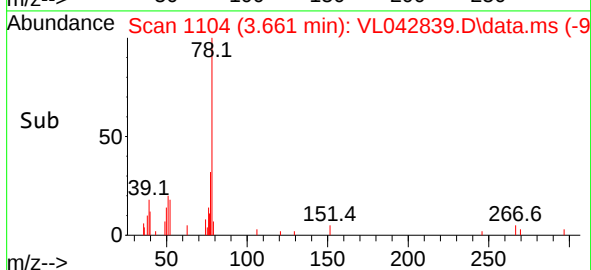
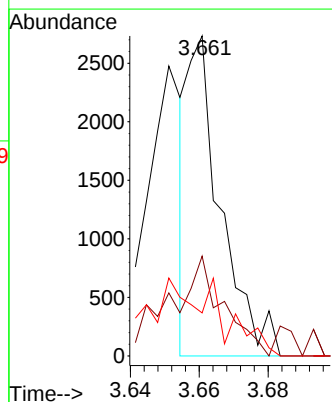
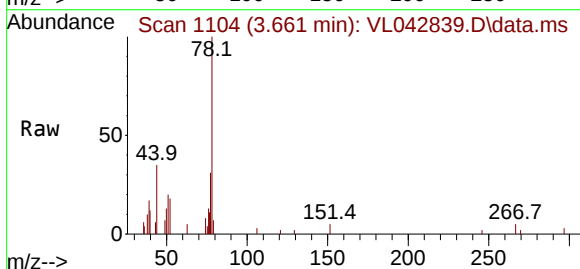
RT: 3.661 min Scan# 1104

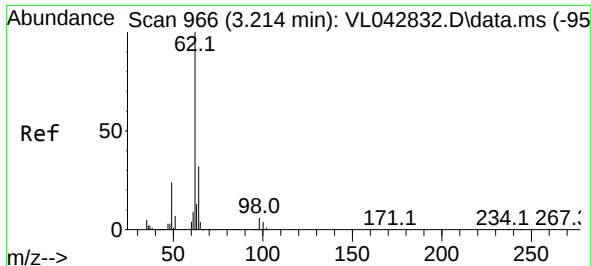
Delta R.T. 0.006 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Tgt Ion:	78	Resp:	1823
Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.5	27.7
50	13.4	15.8	23.8#





#37

1,2-Dichloroethane

Concen: 0.128 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

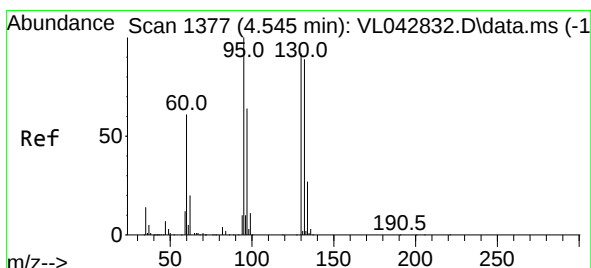
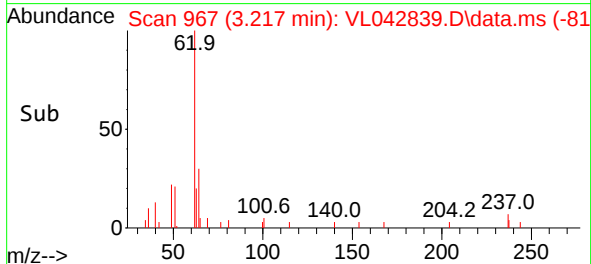
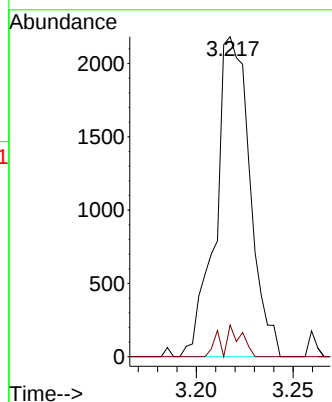
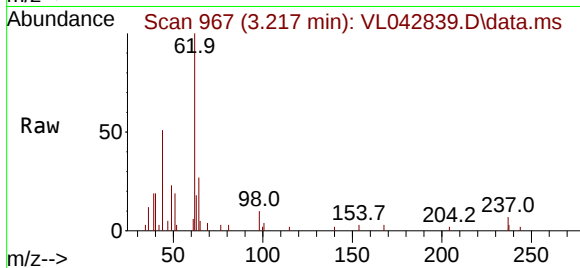
ClientSampleId :

Tgt Ion: 62 Resp: 2690

Ion Ratio Lower Upper

62 100

98 5.7 5.1 7.7



#38

Trichloroethene

Concen: 0.058 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Tgt Ion:130 Resp: 942

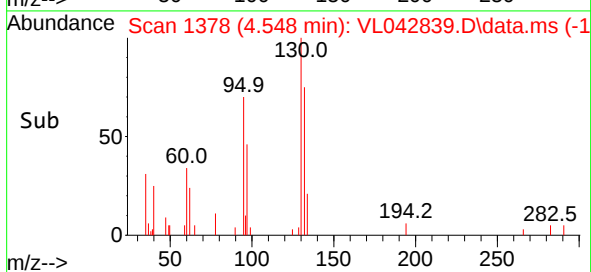
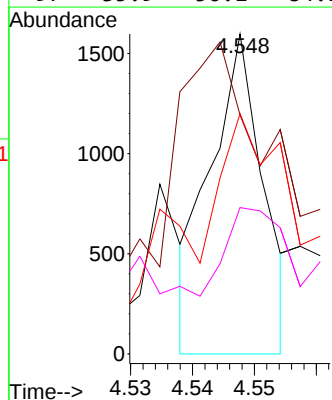
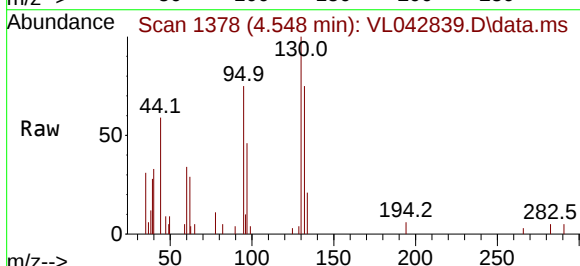
Ion Ratio Lower Upper

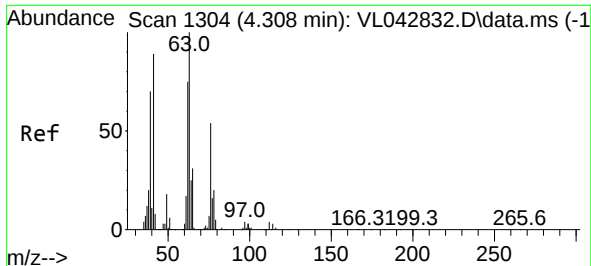
130 100

95 6.6 87.4 131.2#

132 51.2 77.8 116.6#

97 35.9 56.1 84.1#





#39

1,2-Dichloropropane

Concen: 6.802 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.350 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

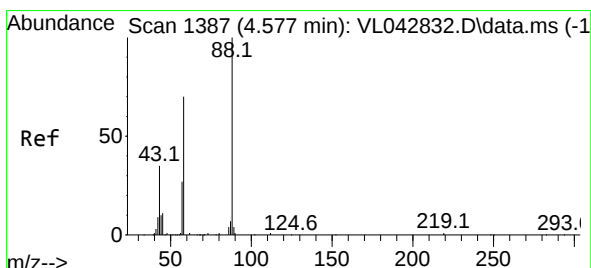
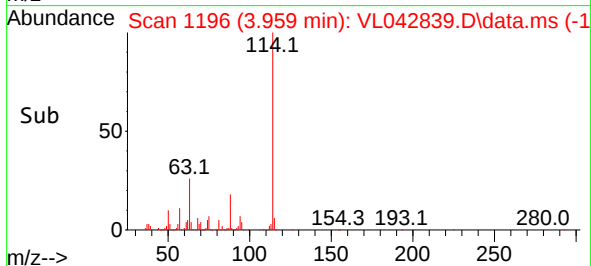
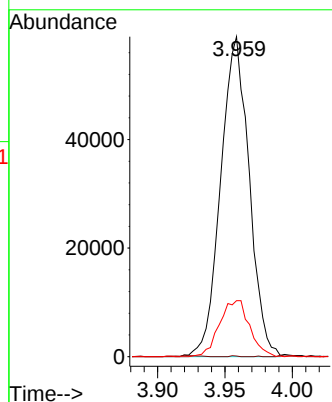
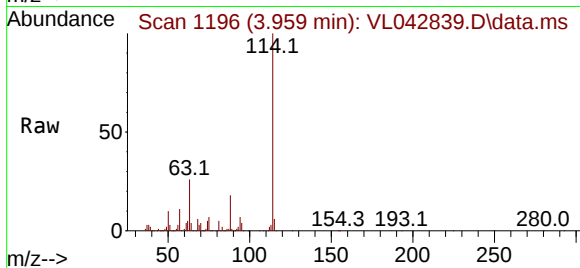
Tgt Ion: 63 Resp: 86667

Ion Ratio Lower Upper

63 100

41 0.0 71.8 107.8#

62 17.5 60.0 90.0#



#40

1,4-Dioxane

Concen: 0.040 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.032 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Tgt Ion: 88 Resp: 195

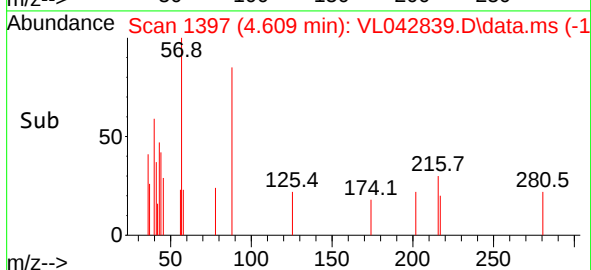
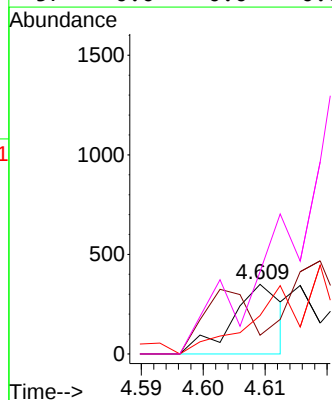
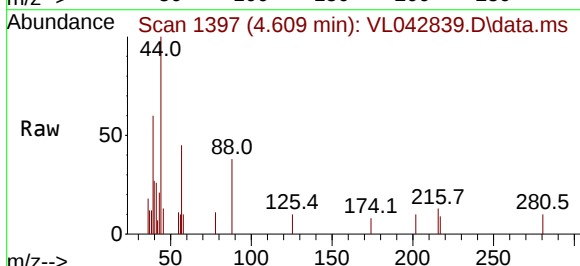
Ion Ratio Lower Upper

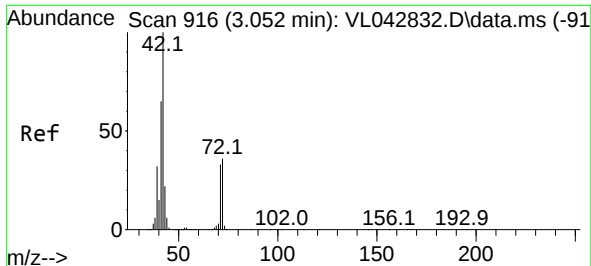
88 100

58 0.0 61.4 92.2#

43 0.0 28.6 43.0#

57 0.0 0.0 0.0

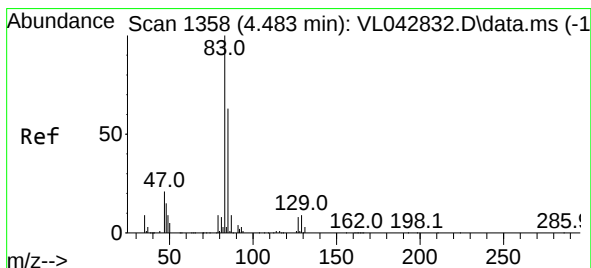
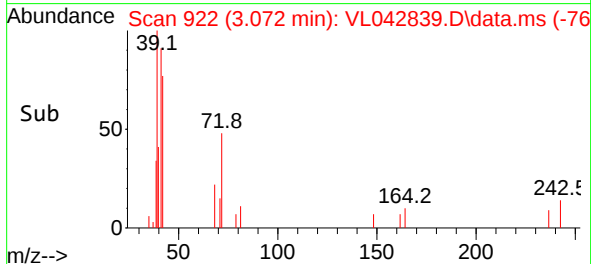
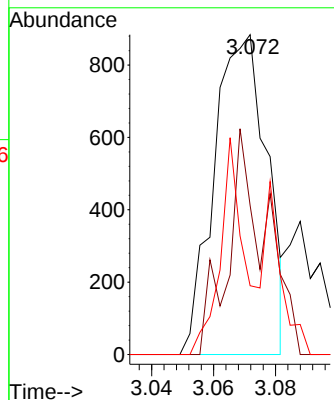
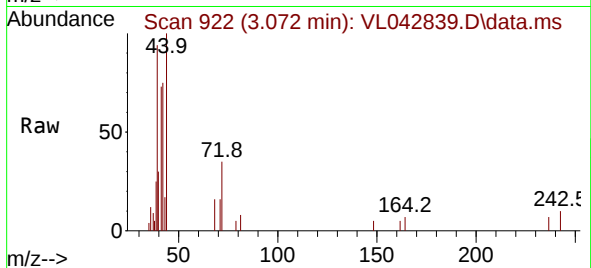




#41
Tetrahydrofuran
Concen: 0.087 ppbv
RT: 3.072 min Scan# 916
Delta R.T. 0.019 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

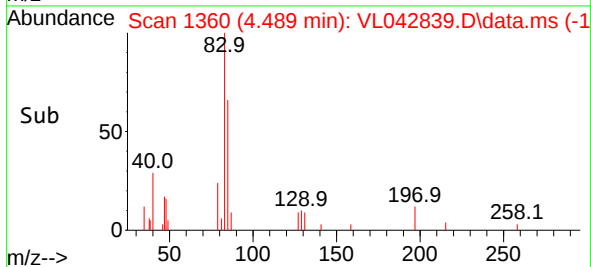
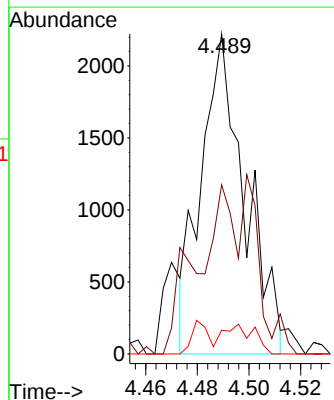
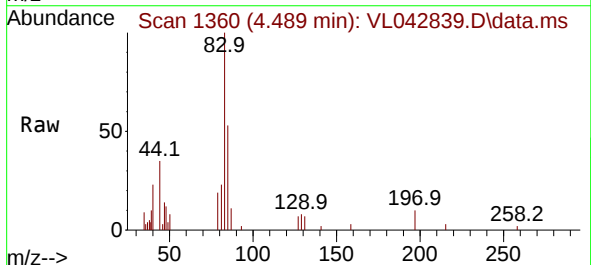
Instrument :
MSVOA_L
ClientSampleId :

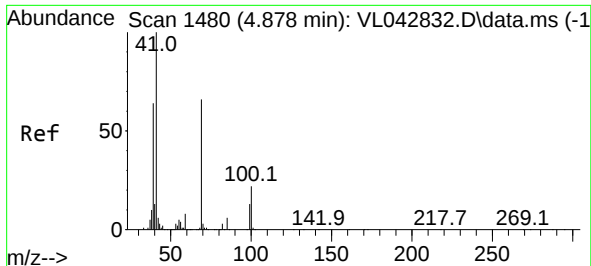
Tgt Ion: 42 Resp: 1046
Ion Ratio Lower Upper
42 100
72 50.5 29.4 44.2#
71 47.6 27.4 41.0#



#42
Bromodichloromethane
Concen: 0.092 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 83 Resp: 2618
Ion Ratio Lower Upper
83 100
85 43.6 50.5 75.7#
127 8.0 6.2 9.4

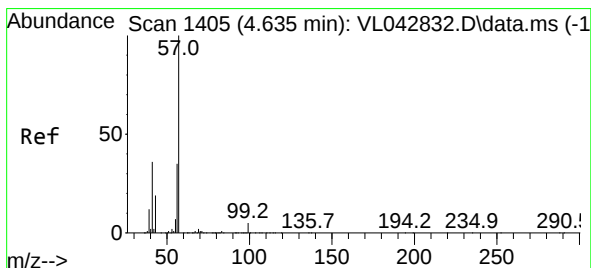
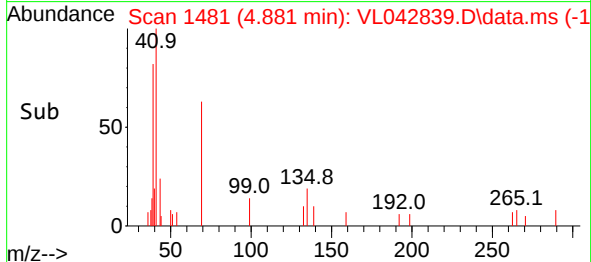
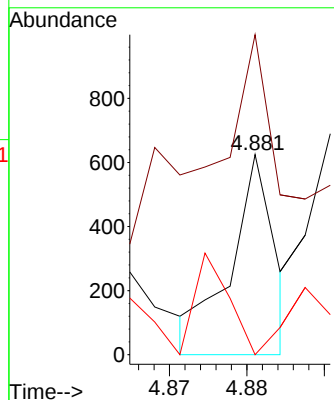
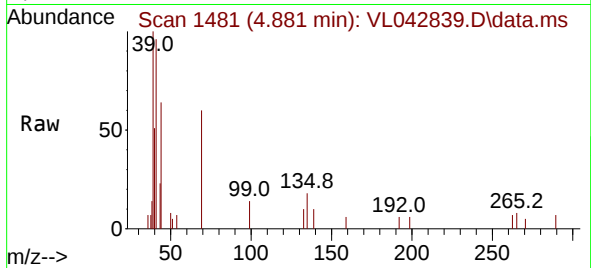




#43
Methyl Methacrylate
Concen: 0.023 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

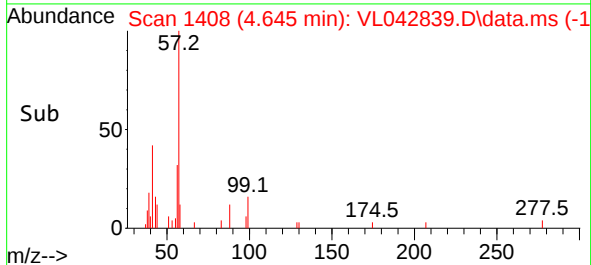
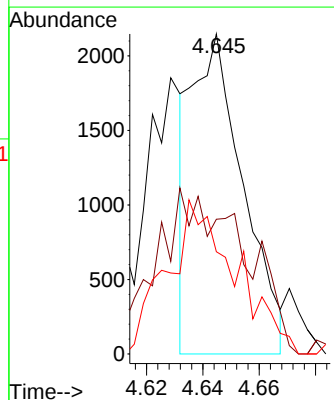
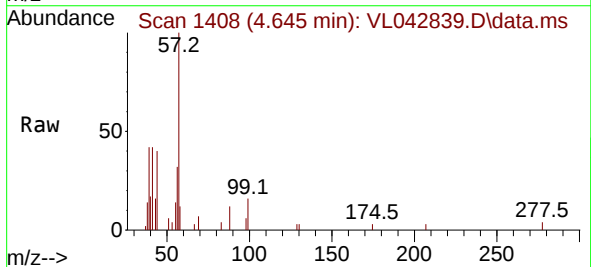
Instrument :
MSVOA_L
ClientSampleId :

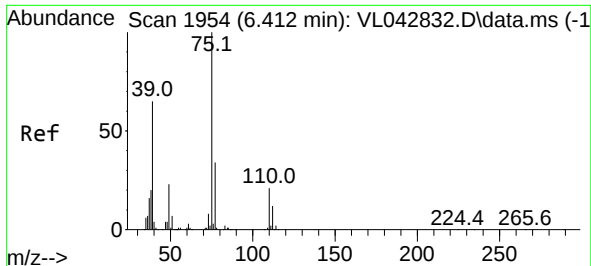
Tgt Ion: 69 Resp: 247
Ion Ratio Lower Upper
69 100
41 646.2 125.6 188.4#
100 163.6 27.4 41.2#



#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.010 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 57 Resp: 2748
Ion Ratio Lower Upper
57 100
41 0.0 28.7 43.1#
56 0.0 26.6 39.8#

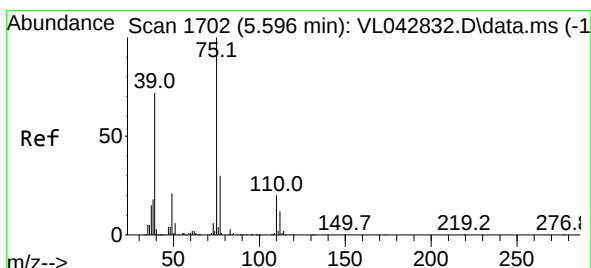
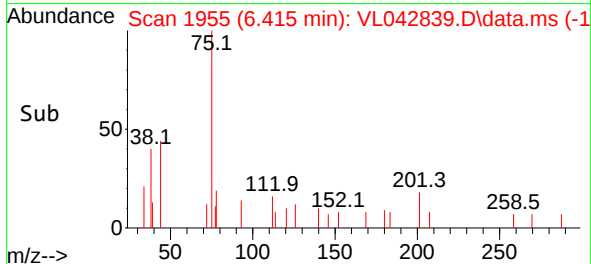
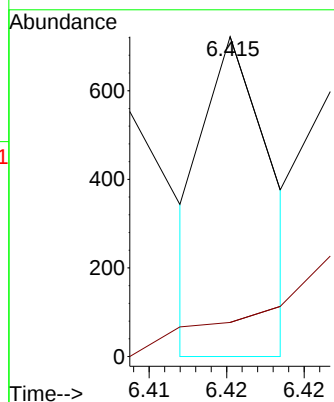
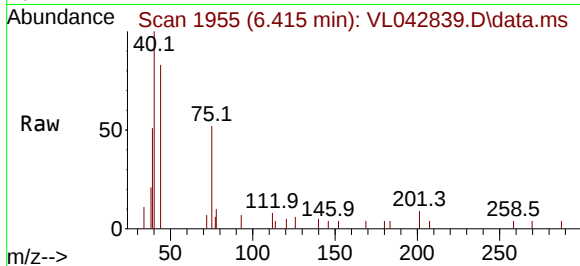




#45
 t-1,3-Dichloropropene
 Concen: 0.018 ppbv
 RT: 6.415 min Scan# 1954
 Delta R.T. 0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

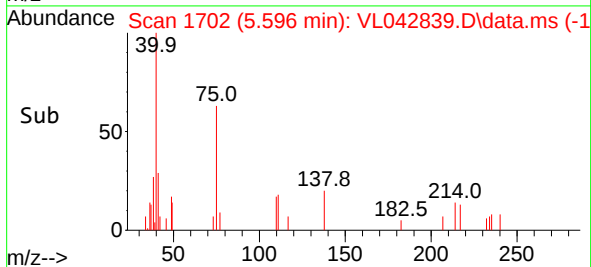
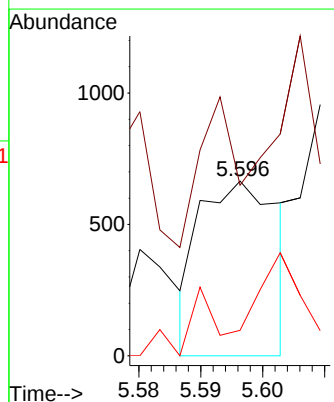
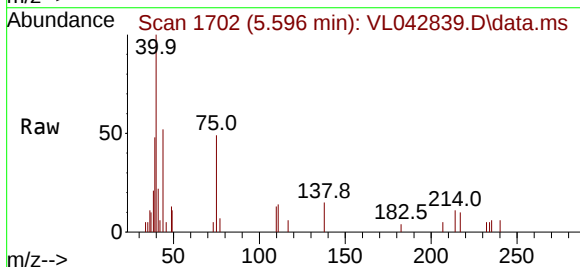
Instrument :
 MSVOA_L
 ClientSampleId :

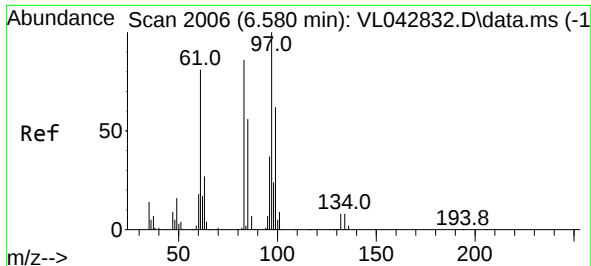
Tgt Ion: 75 Resp: 213
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.9 40.3



#46
 cis-1,3-Dichloropropene
 Concen: 0.037 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. -0.000 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Tgt Ion: 75 Resp: 582
 Ion Ratio Lower Upper
 75 100
 39 56.7 57.6 86.4#
 77 23.2 23.6 35.4#





#47

1,1,2-Trichloroethane

Concen: 0.035 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 483

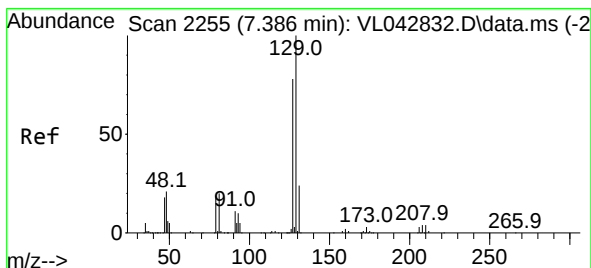
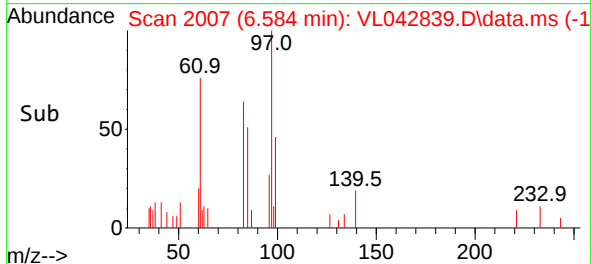
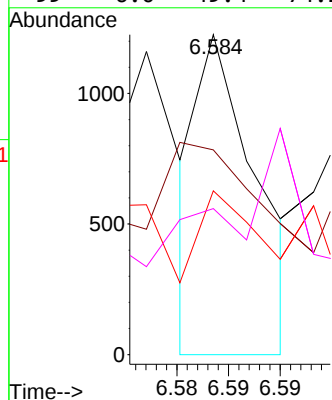
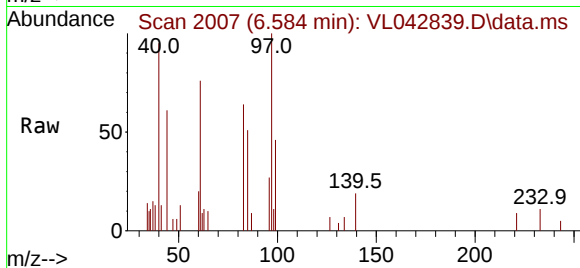
Ion Ratio Lower Upper

97 100

83 40.0 68.5 102.7#

85 49.9 44.4 66.6

99 6.0 49.4 74.2#



#48

Dibromochloromethane

Concen: 0.047 ppbv

RT: 7.389 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VL042839.D

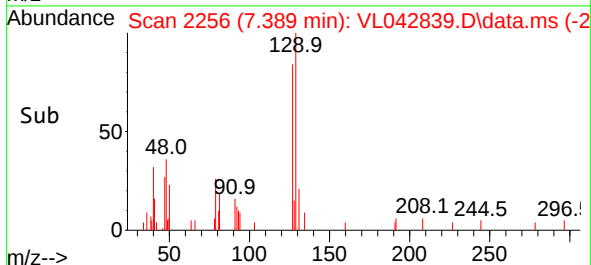
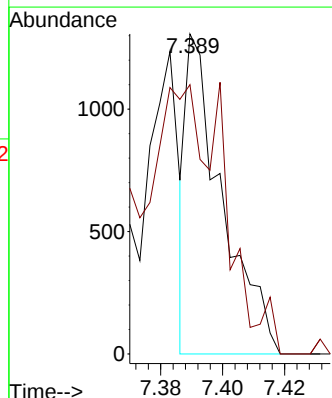
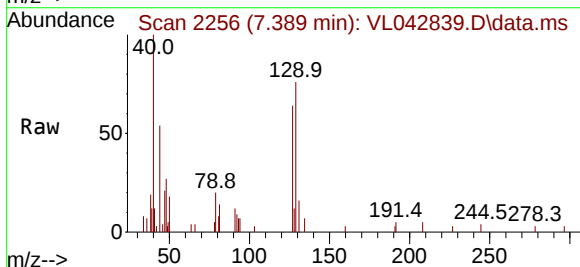
Acq: 11 Aug 2025 12:41

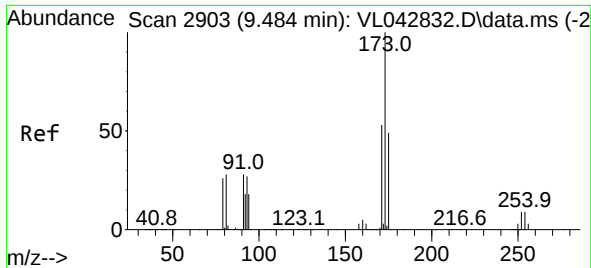
Tgt Ion: 129 Resp: 1052

Ion Ratio Lower Upper

129 100

127 192.8 39.8 119.3#

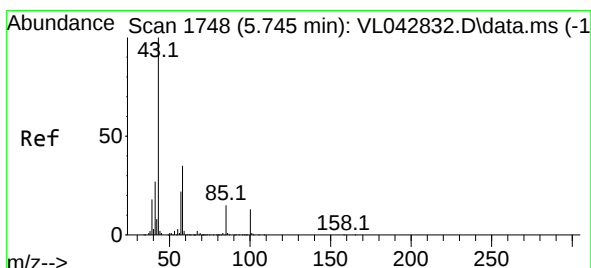
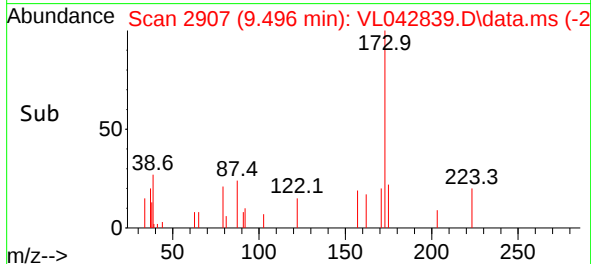
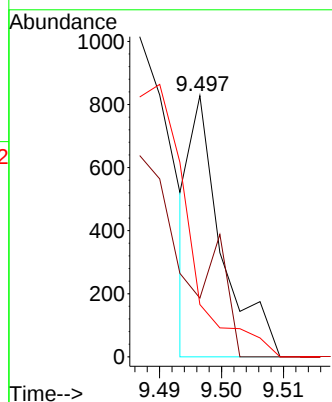
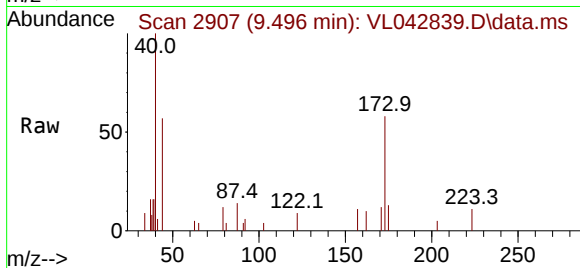




#49
Bromoform
Concen: 0.015 ppbv
RT: 9.496 min Scan# 2903
Delta R.T. 0.013 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

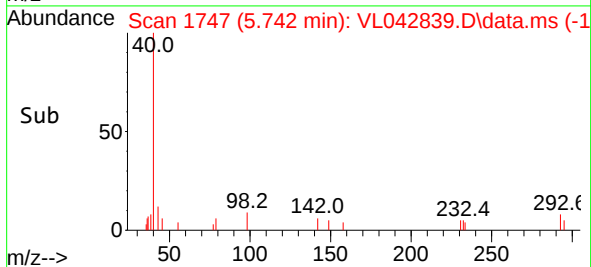
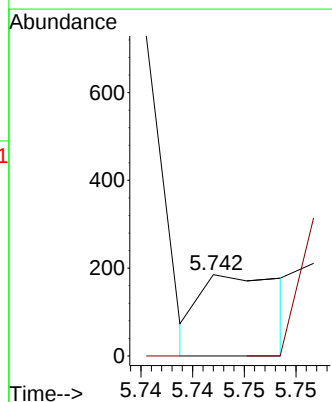
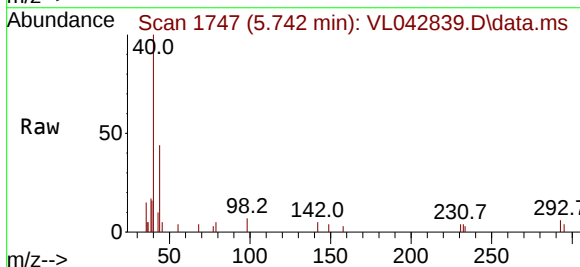
Instrument :
MSVOA_L
ClientSampleId :

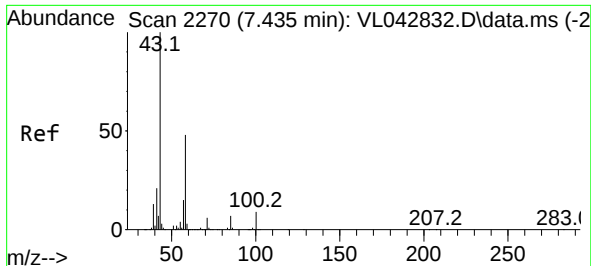
Tgt Ion:173 Resp: 287
Ion Ratio Lower Upper
173 100
175 0.0 39.4 59.0#
171 0.0 41.4 62.0#



#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#

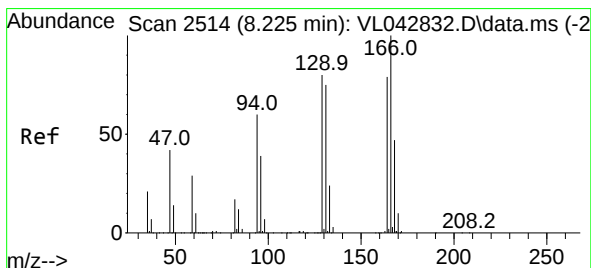
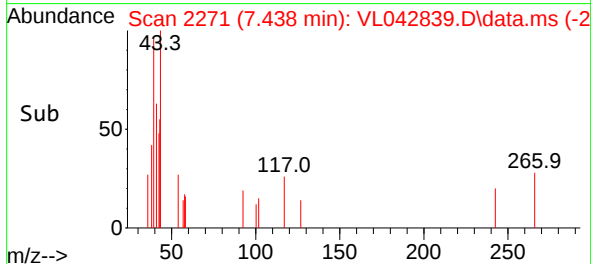
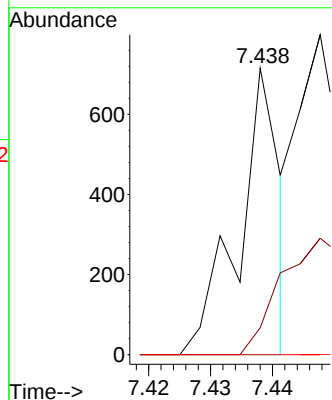
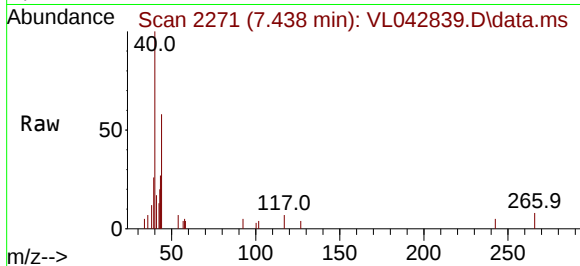




#51
2-Hexanone
Concen: 0.015 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

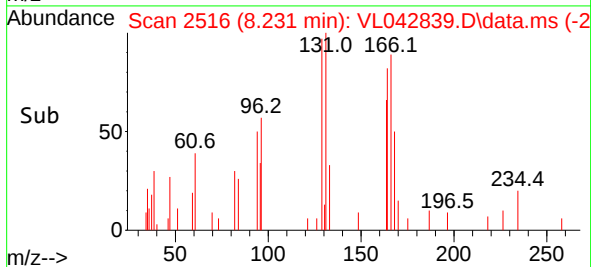
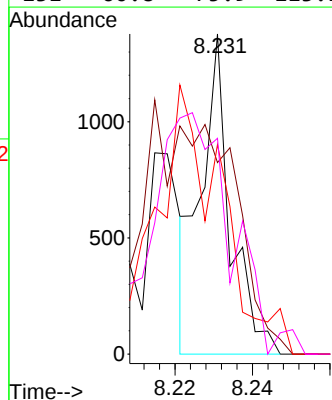
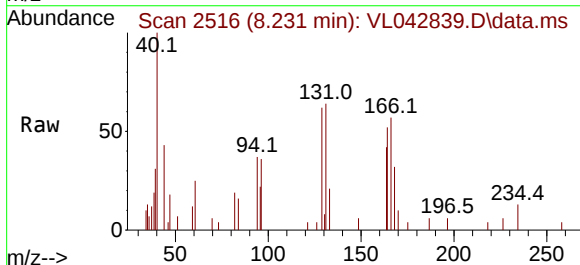
Instrument :
MSVOA_L
ClientSampleId :

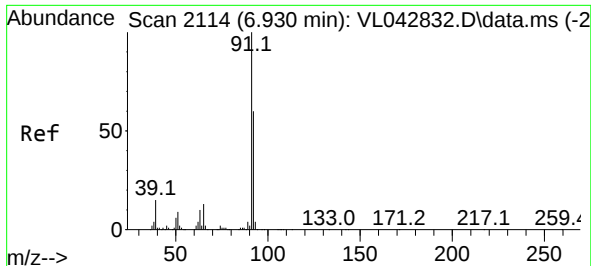
Tgt Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#
98 0.0 0.8 1.2#



#52
Tetrachloroethene
Concen: 0.060 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.006 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 164 Resp: 723
Ion Ratio Lower Upper
164 100
166 55.2 101.0 151.4#
129 51.2 80.9 121.3#
131 60.8 75.9 113.9#

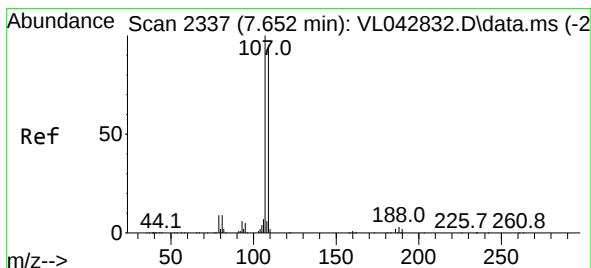
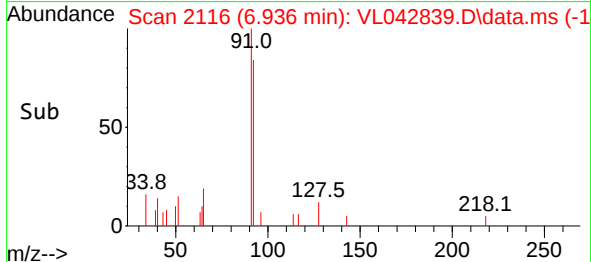
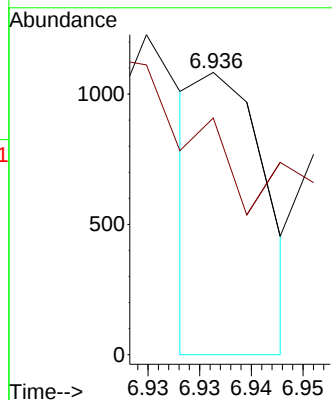
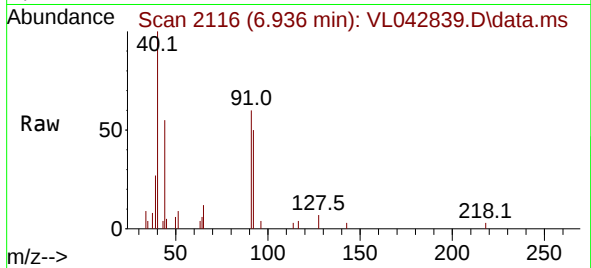




#53
Toluene
Concen: 0.016 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

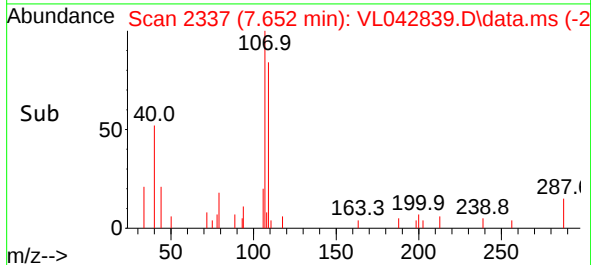
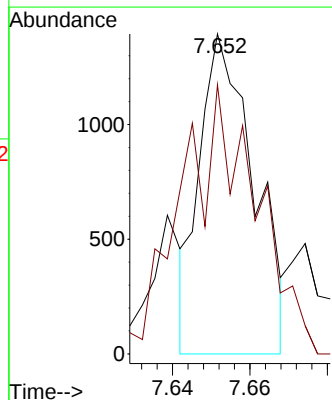
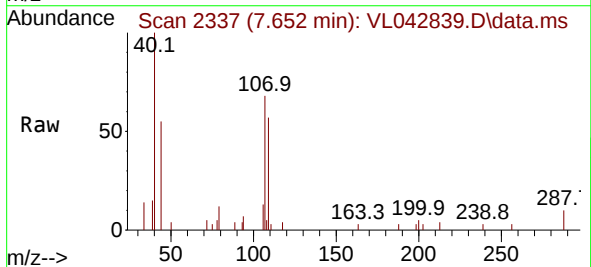
Instrument :
MSVOA_L
ClientSampleId :

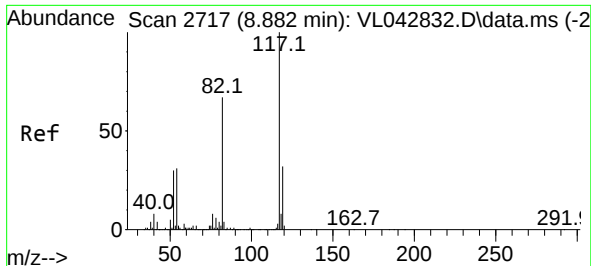
Tgt Ion: 91 Resp: 486
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.8#



#54
1,2-Dibromoethane
Concen: 0.073 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 107 Resp: 1354
Ion Ratio Lower Upper
107 100
109 85.3 75.7 113.5

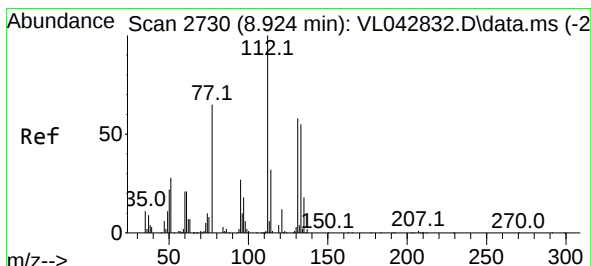
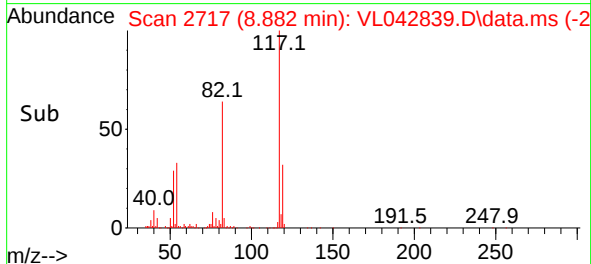
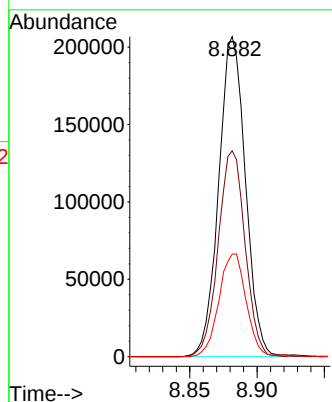
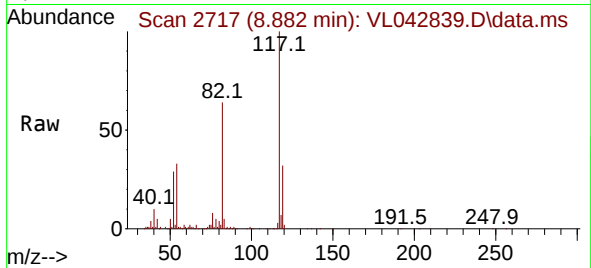




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

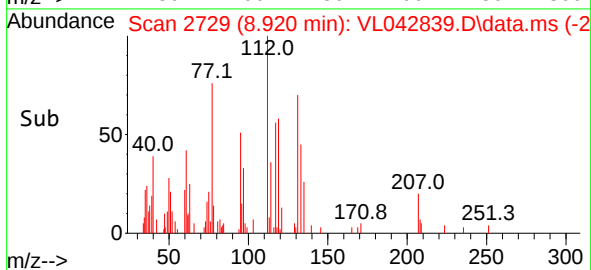
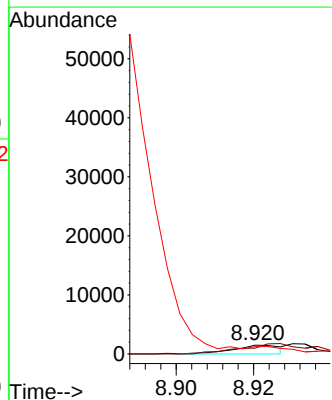
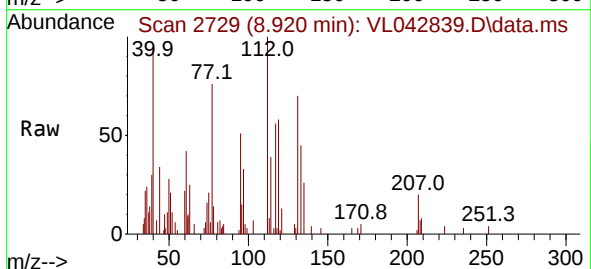
Instrument :
MSVOA_L
ClientSampleId :

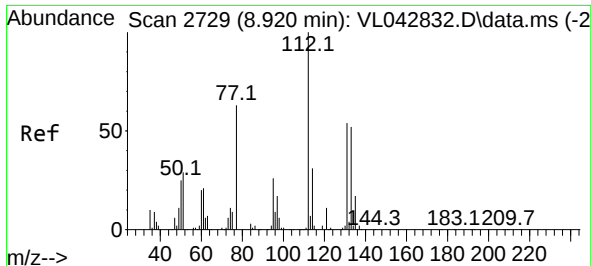
Tgt Ion:117 Resp: 285668
Ion Ratio Lower Upper
117 100
82 64.7 55.7 83.5
119 33.0 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.072 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion:131 Resp: 1268
Ion Ratio Lower Upper
131 100
133 0.0 77.0 115.6#
119 0.0 50.5 75.7#

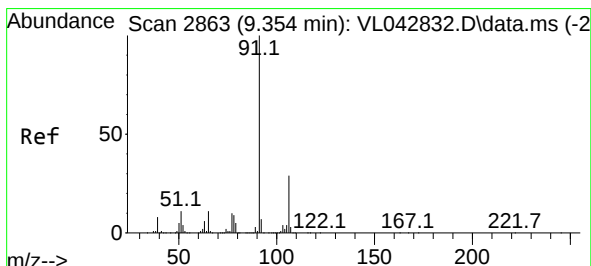
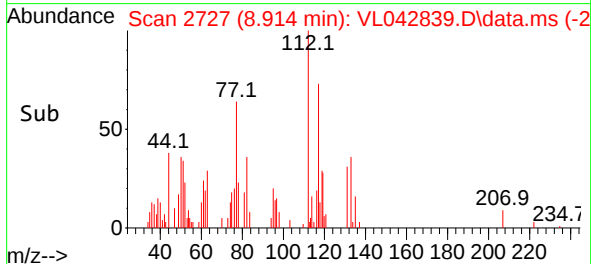
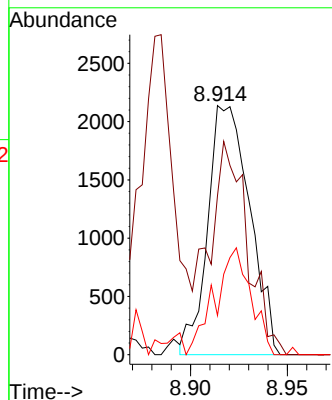
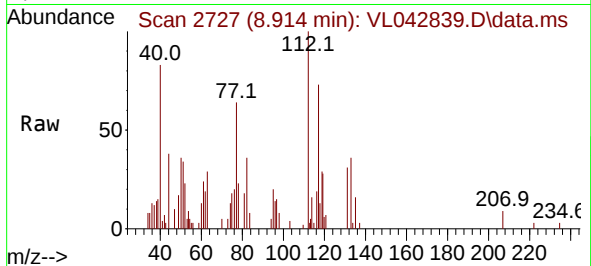




#57
Chlorobenzene
Concen: 0.106 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

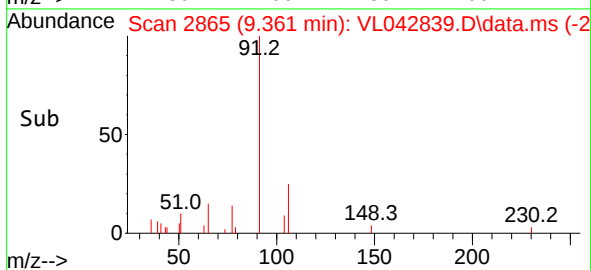
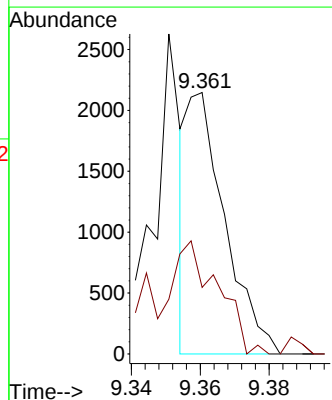
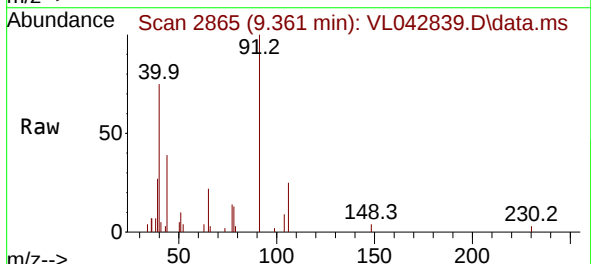
Instrument :
MSVOA_L
ClientSampleId :

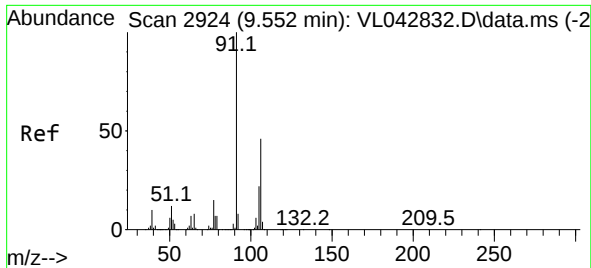
Tgt Ion:112 Resp: 3230
Ion Ratio Lower Upper
112 100
77 57.7 51.5 77.3
114 18.1 28.3 34.5#



#58
Ethyl Benzene
Concen: 0.039 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 91 Resp: 1637
Ion Ratio Lower Upper
91 100
106 25.5 23.4 35.2

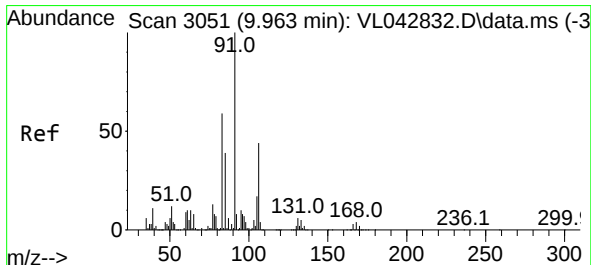
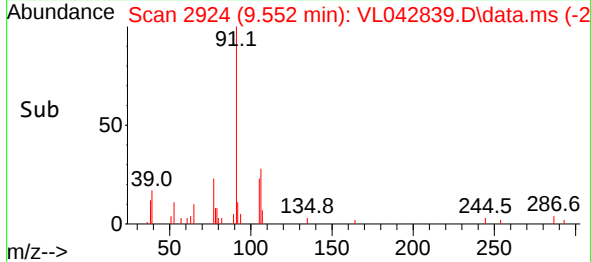
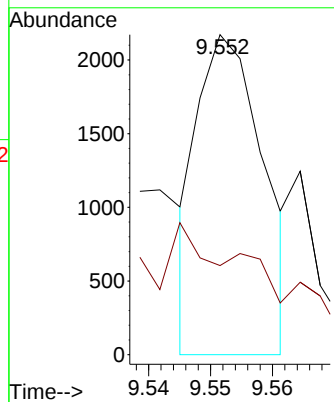
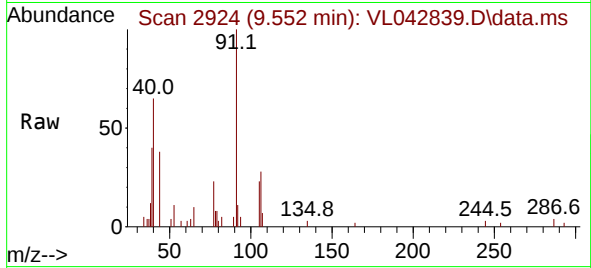




#59
m/p-Xylene
Concen: 0.045 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

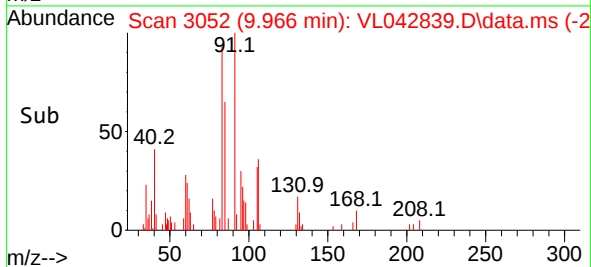
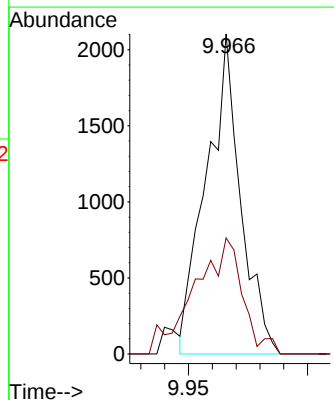
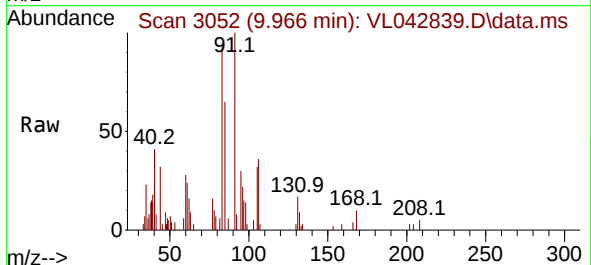
Instrument :
MSVOA_L
ClientSampleId :

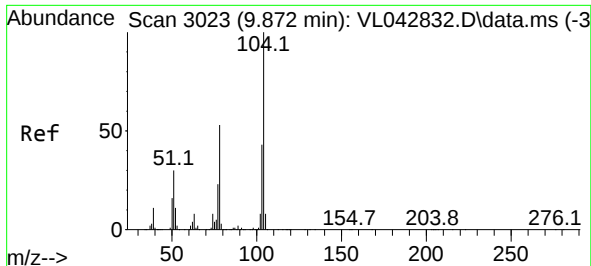
Tgt Ion: 91 Resp: 1606
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.060 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 91 Resp: 2101
Ion Ratio Lower Upper
91 100
106 50.9 21.9 65.7

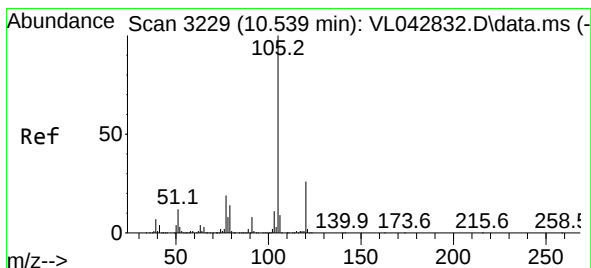
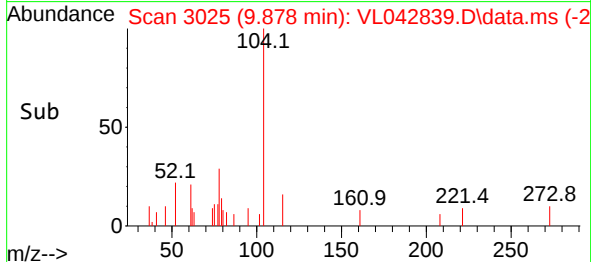
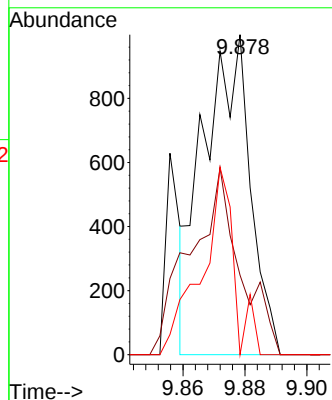
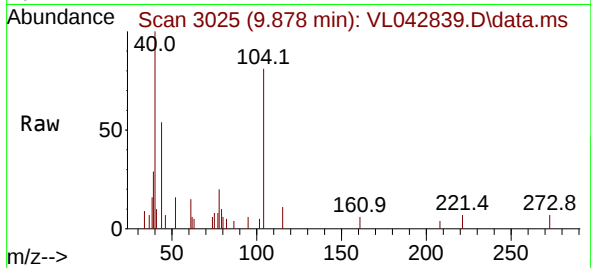




#61
Styrene
Concen: 0.680 ppbv
RT: 9.878 min Scan# 3023
Delta R.T. 0.006 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

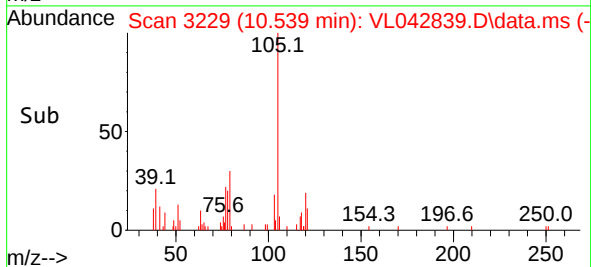
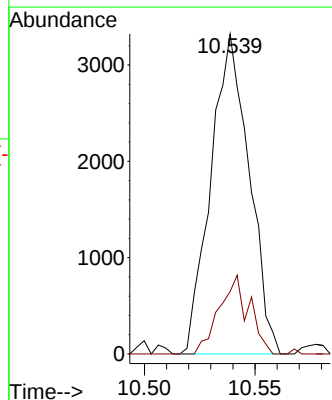
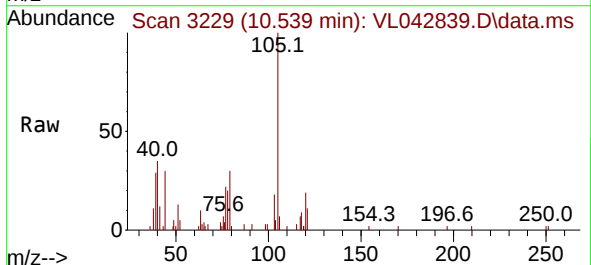
Instrument :
MSVOA_L
ClientSampleId :

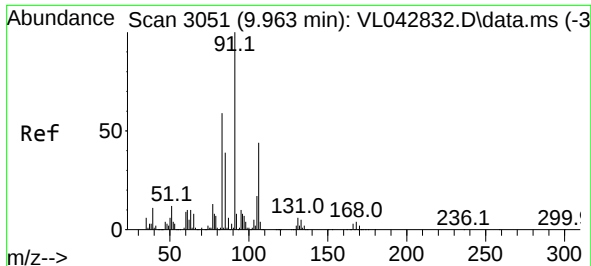
Tgt Ion:104 Resp: 1044
Ion Ratio Lower Upper
104 100
78 62.3 41.4 62.2#
103 40.8 36.9 55.3



#62
Isopropylbenzene
Concen: 0.075 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion:105 Resp: 4010
Ion Ratio Lower Upper
105 100
120 19.5 20.4 30.6#





#63

1,1,2-Tetrachloroethane

Concen: 0.107 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

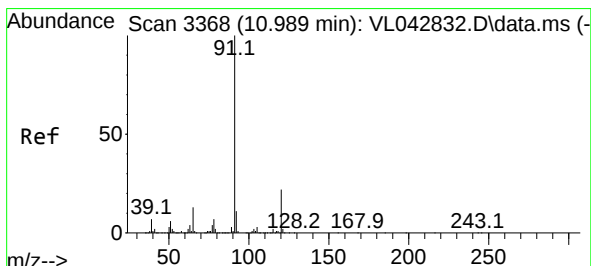
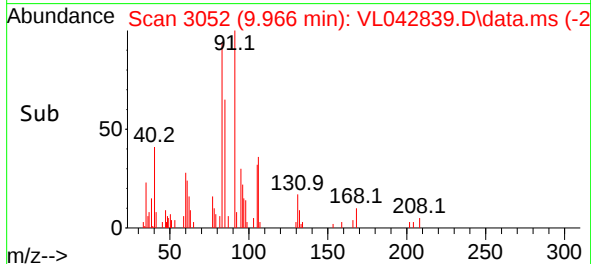
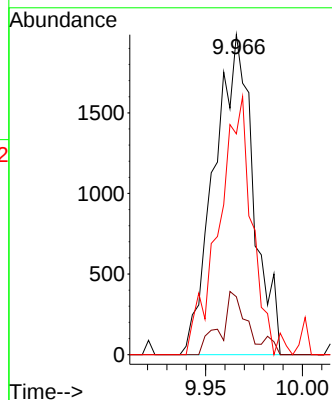
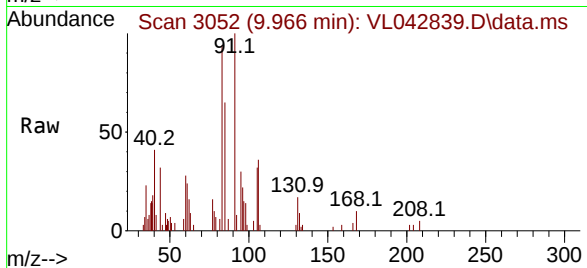
Tgt Ion: 83 Resp: 2789

Ion Ratio Lower Upper

83 100

131 14.0 4.9 14.6

85 71.1 32.6 97.8



#64

n-propylbenzene

Concen: 0.042 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.003 min

Lab File: VL042839.D

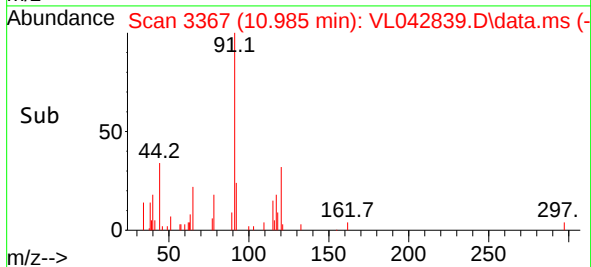
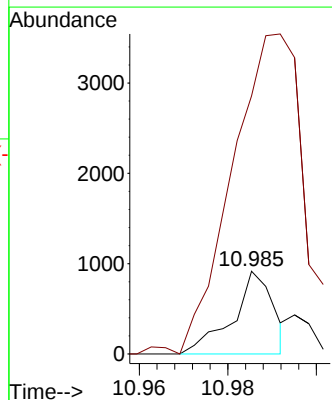
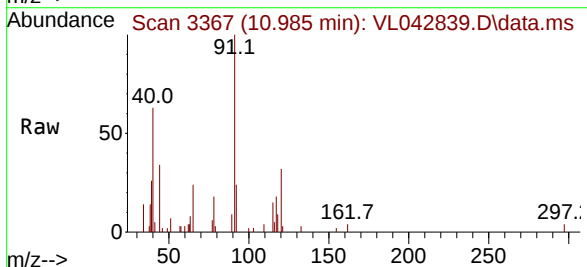
Acq: 11 Aug 2025 12:41

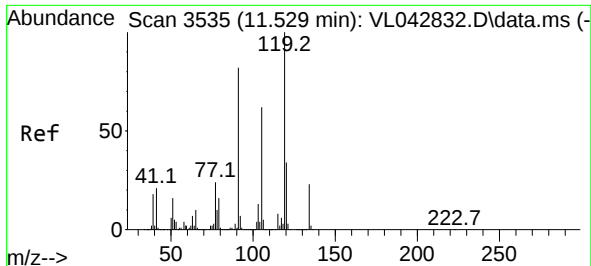
Tgt Ion: 120 Resp: 582

Ion Ratio Lower Upper

120 100

91 468.9 379.2 568.8

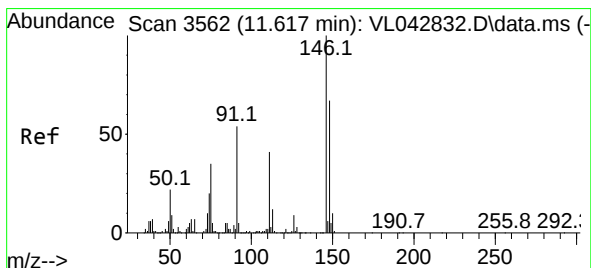
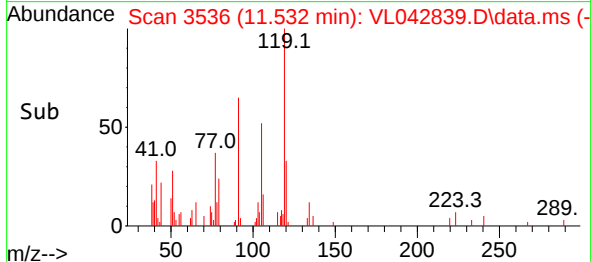
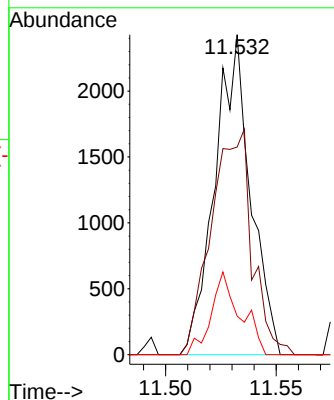
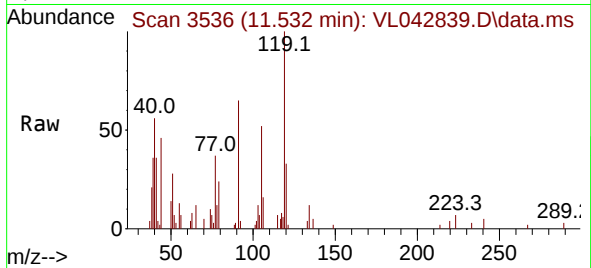




#65
tert-Butylbenzene
Concen: 0.058 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

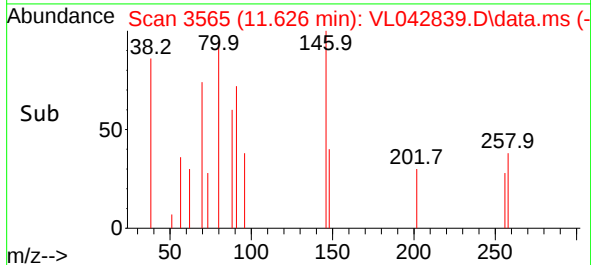
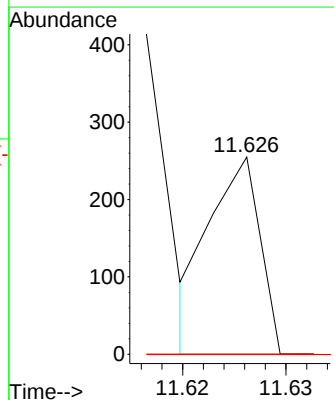
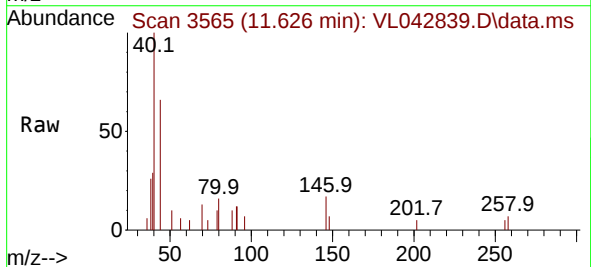
Instrument :
MSVOA_L
ClientSampleId :

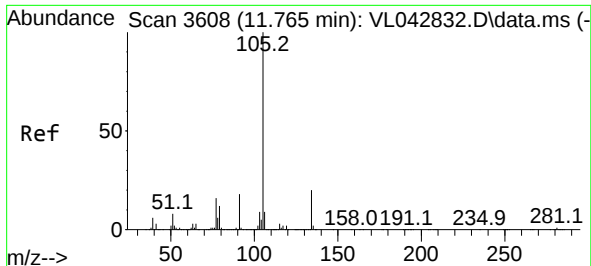
Tgt Ion:119 Resp: 2732
Ion Ratio Lower Upper
119 100
91 80.0 64.6 96.8
134 21.0 17.1 25.7



#66
Benzyl Chloride
Concen: 0.017 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.010 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion: 91 Resp: 85
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 0.0 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.053 ppbv

RT: 11.765 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

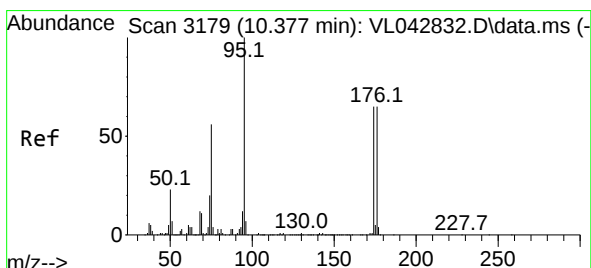
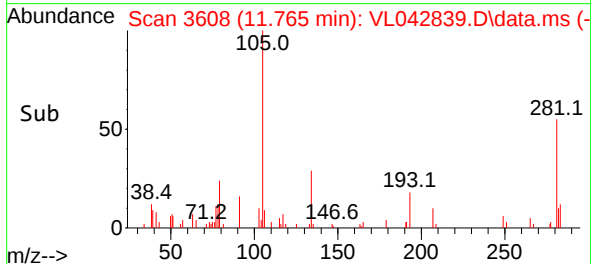
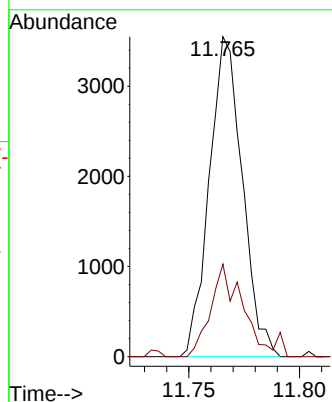
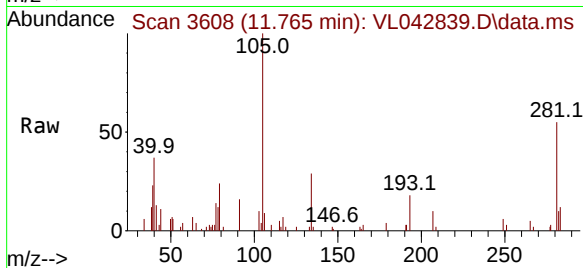
ClientSampleId :

Tgt Ion:105 Resp: 3679

Ion Ratio Lower Upper

105 100

134 29.7 15.7 23.5#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.456 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.000 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

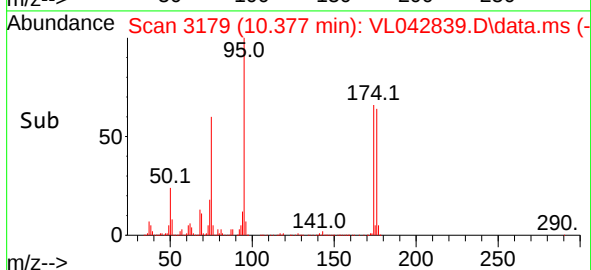
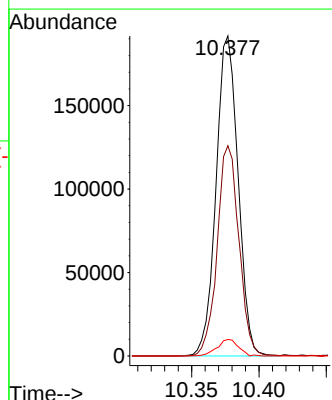
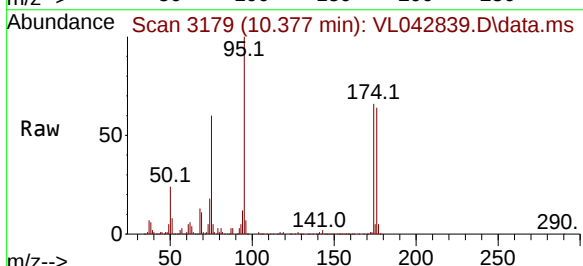
Tgt Ion: 95 Resp: 217700

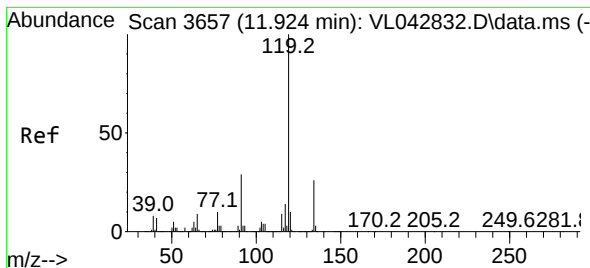
Ion Ratio Lower Upper

95 100

174 65.0 52.6 78.8

175 5.0 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.048 ppbv

RT: 11.921 min Scan# 3

Delta R.T. -0.003 min

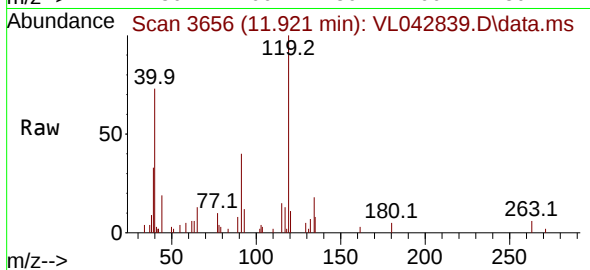
Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :



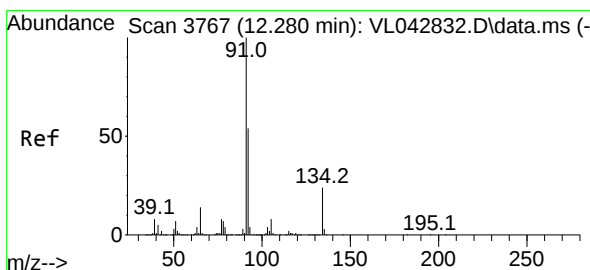
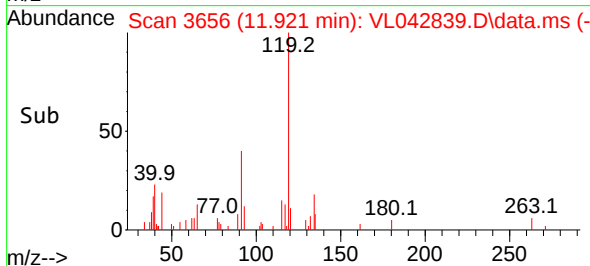
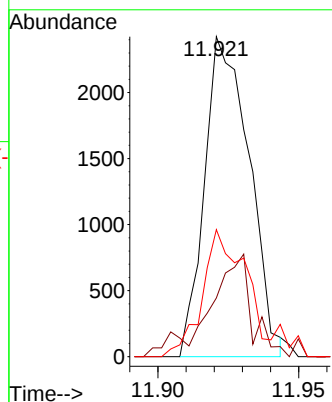
Tgt Ion:119 Resp: 2669

Ion Ratio Lower Upper

119 100

134 31.4 20.5 30.7#

91 42.8 23.2 34.8#



#70

n-Butylbenzene

Concen: 0.046 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

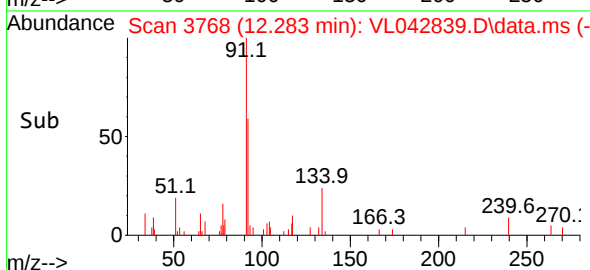
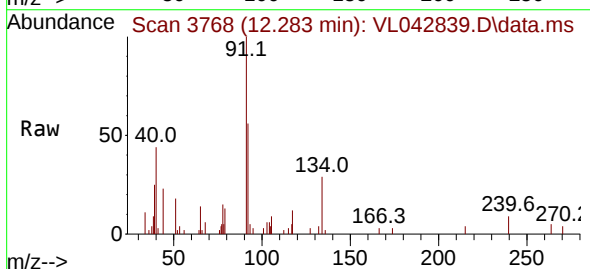
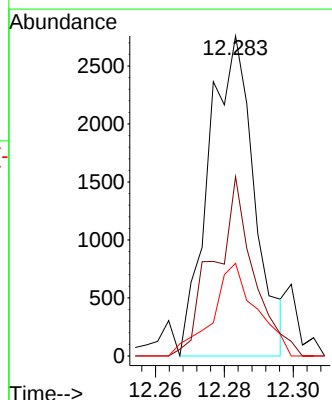
Tgt Ion: 91 Resp: 2543

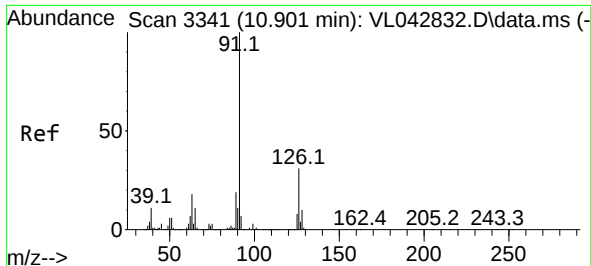
Ion Ratio Lower Upper

91 100

92 48.3 43.2 64.8

134 27.6 19.0 28.6

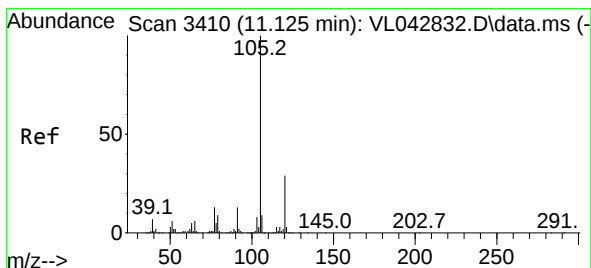
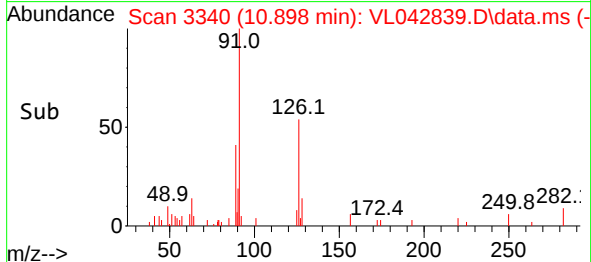
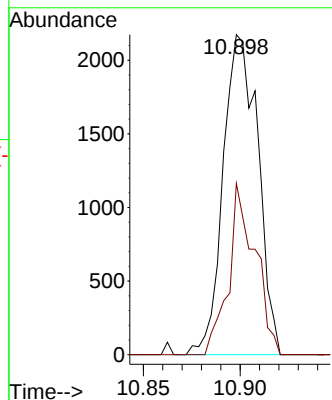
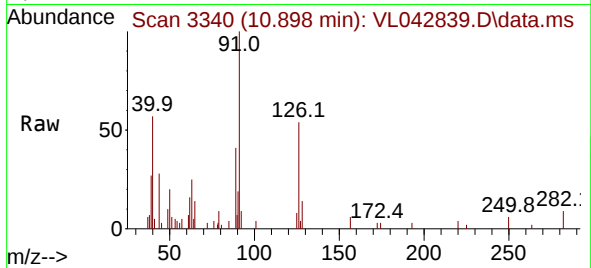




#71
2-Chlorotoluene
Concen: 0.069 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

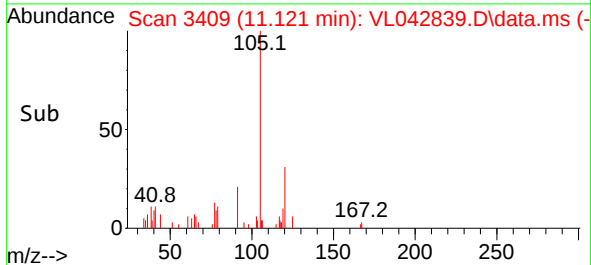
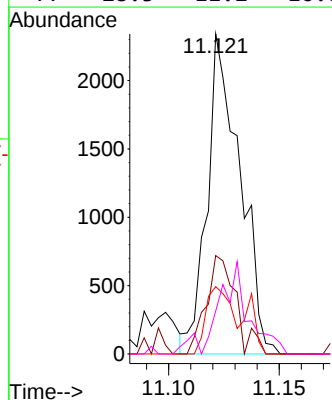
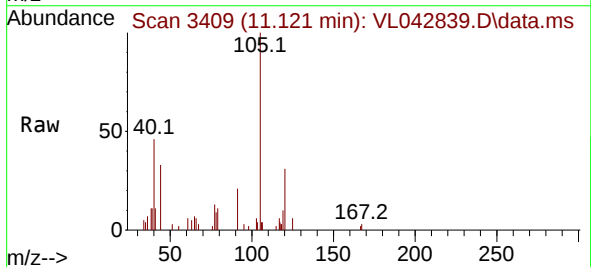
Instrument :
MSVOA_L
ClientSampleId :

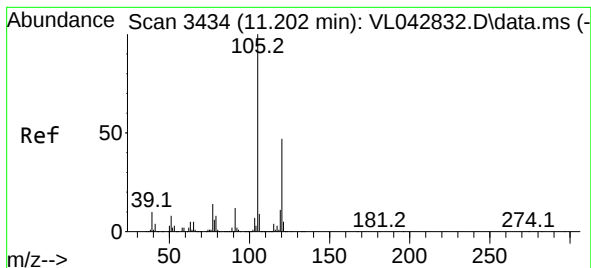
Tgt Ion: 91 Resp: 2712
Ion Ratio Lower Upper
91 100
126 40.7 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.057 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Tgt Ion:105 Resp: 2409
Ion Ratio Lower Upper
105 100
120 29.8 23.9 35.9
91 22.7 10.7 16.1#
77 28.3 11.2 16.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.056 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Instrument :

MSVOA_L

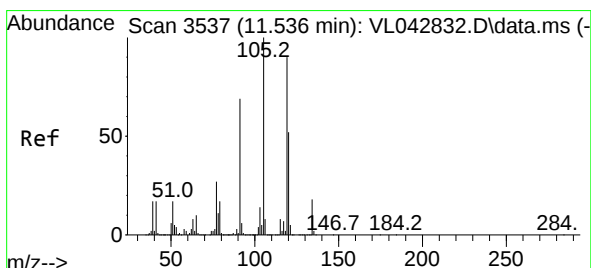
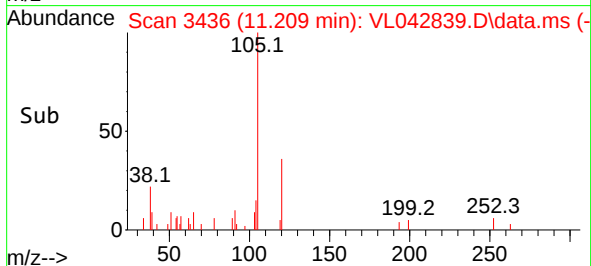
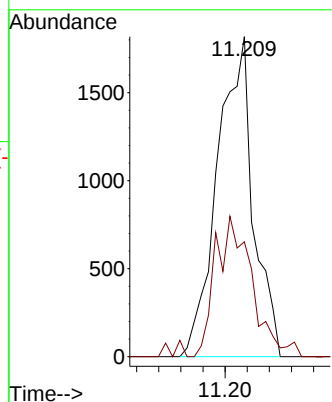
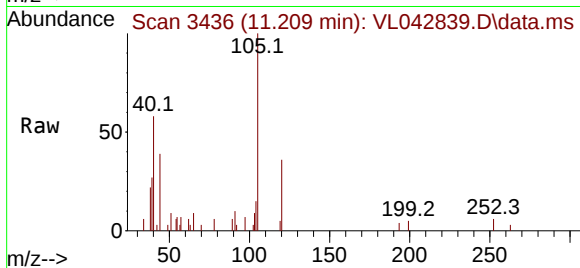
ClientSampleId :

Tgt Ion:105 Resp: 2035

Ion Ratio Lower Upper

105 100

120 33.1 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.036 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042839.D

Acq: 11 Aug 2025 12:41

Tgt Ion:105 Resp: 1528

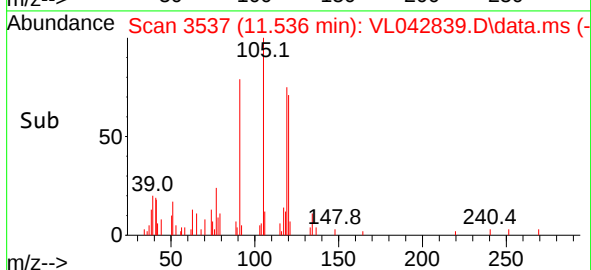
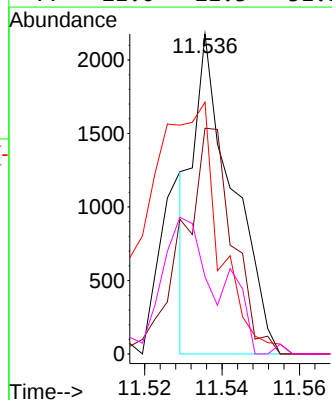
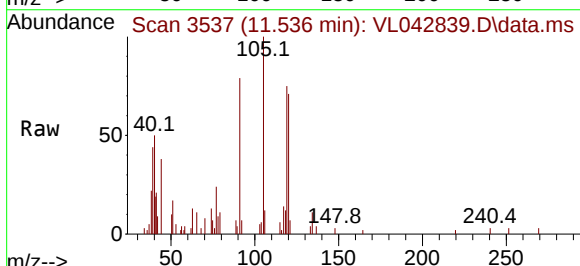
Ion Ratio Lower Upper

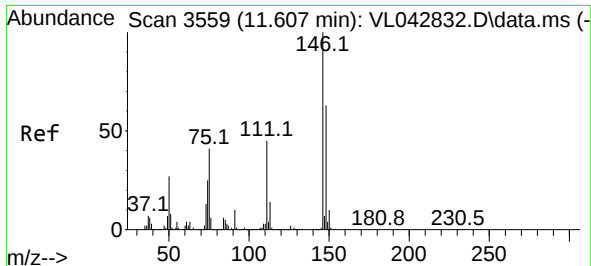
105 100

120 70.6 41.9 62.9#

91 75.5 55.5 83.3

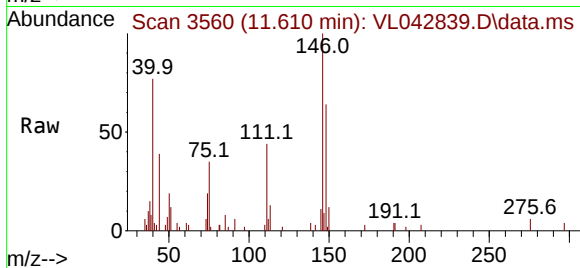
77 21.0 21.3 31.9#



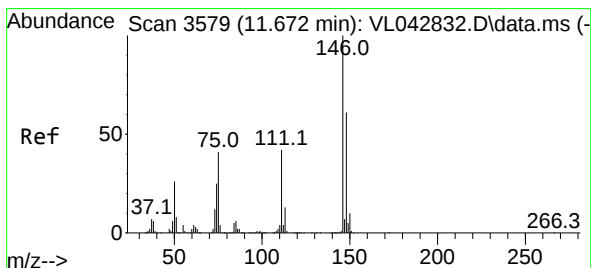
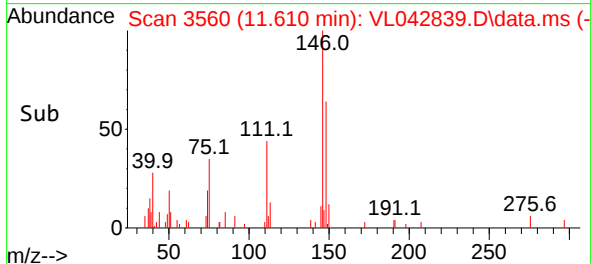
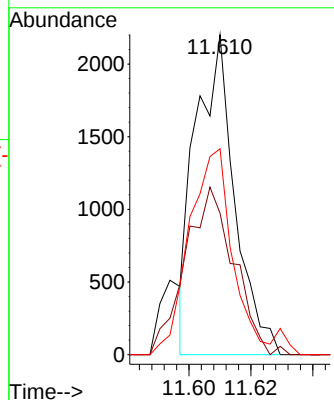


#75
1,3-Dichlorobenzene
Concen: 0.063 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

Instrument :
MSVOA_L
ClientSampleId :

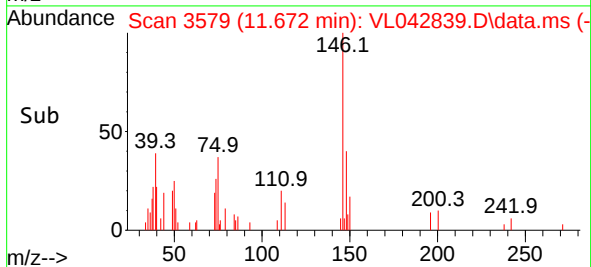
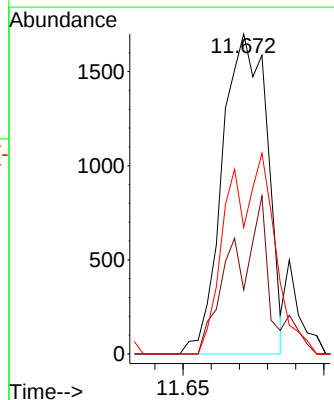
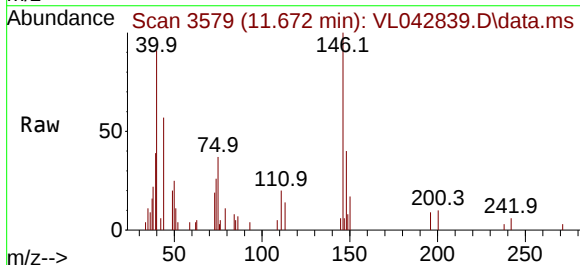


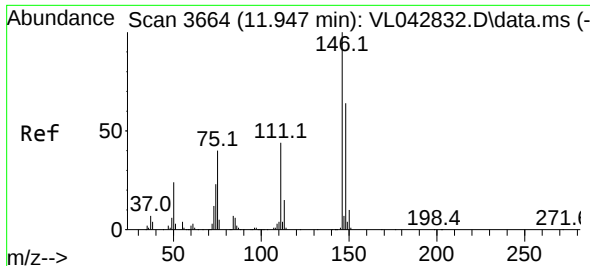
Tgt Ion:146 Resp: 1935
Ion Ratio Lower Upper
146 100
111 65.1 22.4 67.0
148 73.3 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 0.066 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

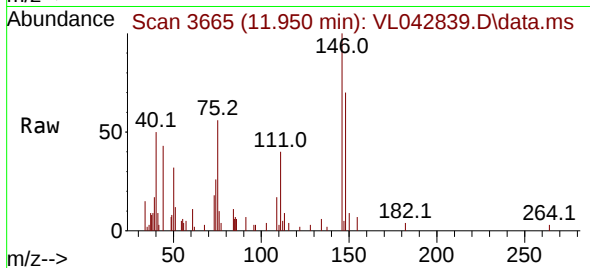
Tgt Ion:146 Resp: 1875
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.1
148 65.9 31.3 93.8



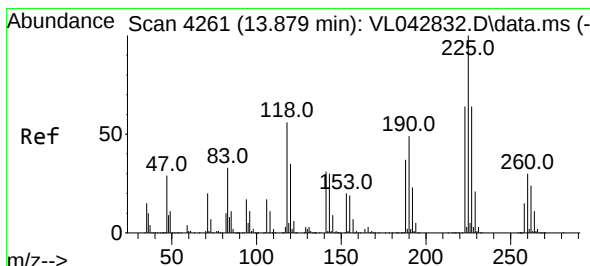
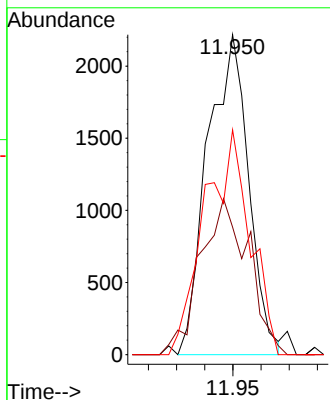
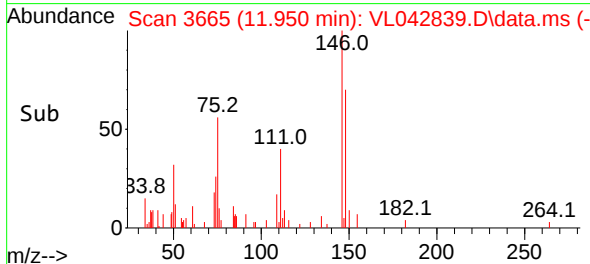


#77
1,2-Dichlorobenzene
Concen: 0.072 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

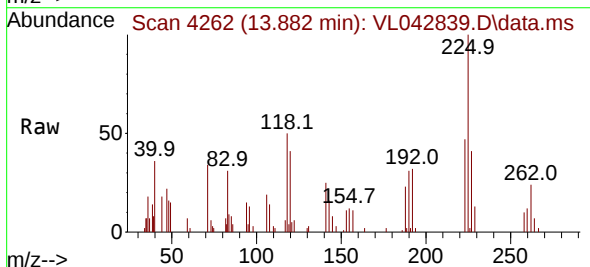
Instrument :
MSVOA_L
ClientSampleId :



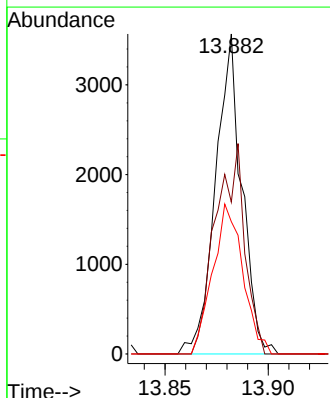
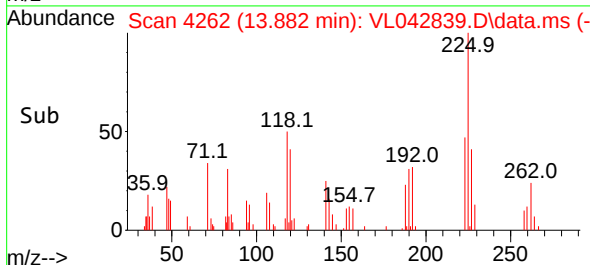
Tgt Ion:146 Resp: 2239
Ion Ratio Lower Upper
146 100
111 57.5 23.2 69.6
148 77.8 31.6 95.0

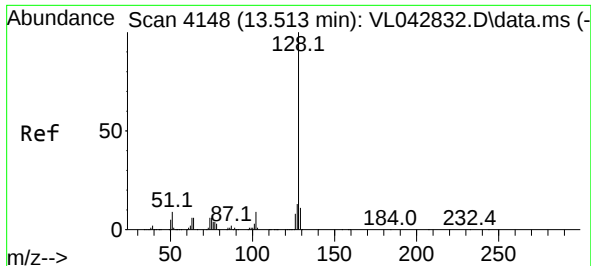


#78
Hexachloro-1,3-Butadiene
Concen: 0.119 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41



Tgt Ion:225 Resp: 3162
Ion Ratio Lower Upper
225 100
223 72.6 51.1 76.7
227 53.7 50.9 76.3

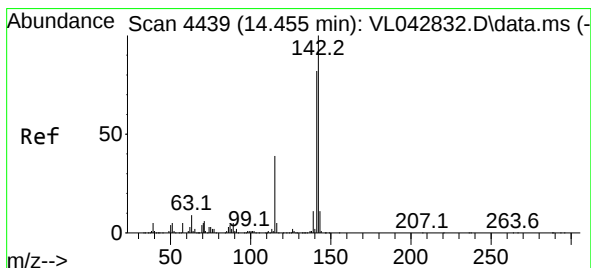
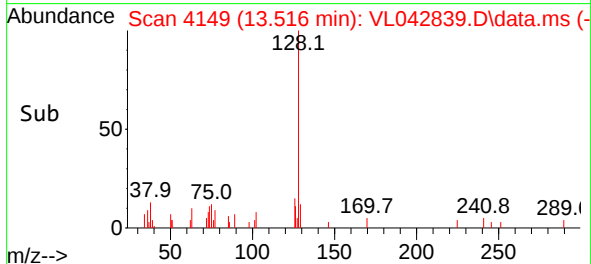
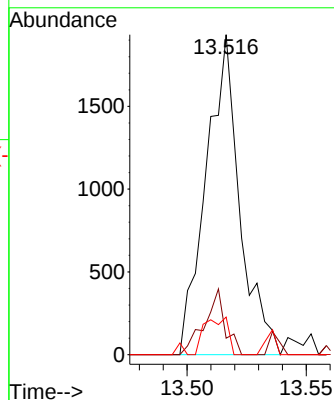
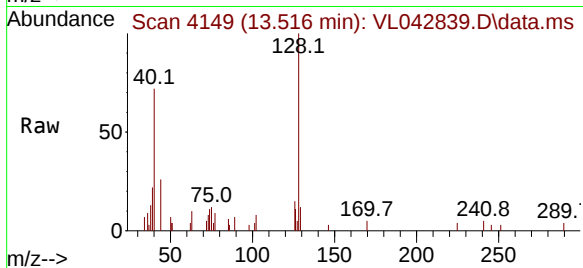




#79
Naphthalene
Concen: 0.069 ppbv
RT: 13.516 min Scan# 4148
Delta R.T. 0.003 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

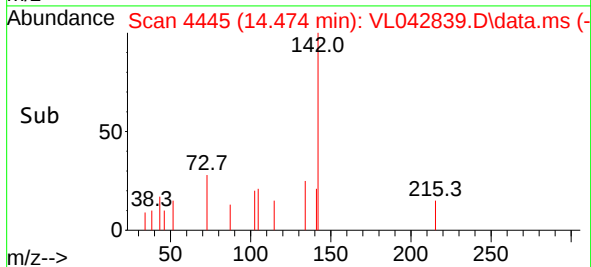
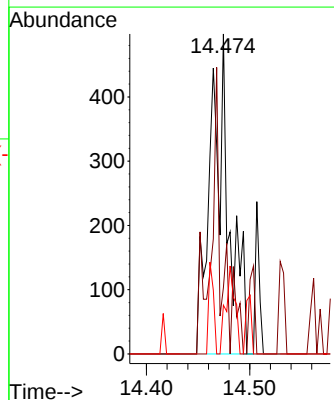
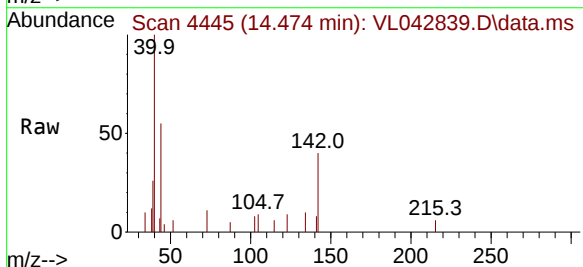
Instrument :
MSVOA_L
ClientSampleId :

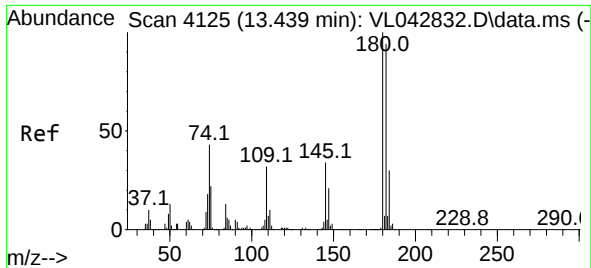
Tgt Ion:128 Resp: 1898
Ion Ratio Lower Upper
128 100
127 5.2 10.6 15.8#
129 11.7 8.9 13.3



#80
Naphthalene,2-methyl-
Concen: 0.073 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042839.D
Acq: 11 Aug 2025 12:41

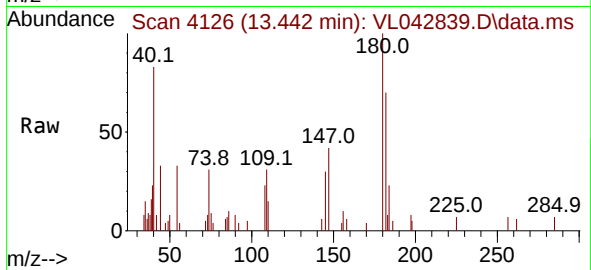
Tgt Ion:142 Resp: 678
Ion Ratio Lower Upper
142 100
141 15.0 66.4 99.6#
115 17.7 30.8 46.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.061 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042839.D
 Acq: 11 Aug 2025 12:41

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	180	Resp:	1236
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.4	114.6
184	35.4	24.0	36.0

