

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042512.D
 Acq On : 07 May 2025 11:37
 Operator : SY/MD
 Sample : MDL1 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

Quant Time: May 08 01:31:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	79918	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	213267	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	174659	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	153655	9.489	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	7036	0.532	ppbv	98
3) Chlorodifluoromethane	1.476	51	7770	0.556	ppbv	96
4) Chloromethane	1.535	50	3026	0.547	ppbv	96
5) Vinyl Chloride	1.580	62	2950	0.530	ppbv	96
6) Bromomethane	1.667	94	1759	0.669	ppbv #	61
7) Chloroethane	1.706	64	1269	0.618	ppbv #	66
8) Dichlorotetrafluoroethane	1.554	85	5638	0.517	ppbv	96
9) Propene	1.483	41	2738	0.599	ppbv	93
10) Heptane	4.988	43	1192	0.100	ppbv #	1
11) Trichlorofluoromethane	1.878	101	6043	0.495	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.140	101	5535	0.568	ppbv	96
13) Ethanol	1.725	45	798	0.860	ppbv	97
14) Bromoethene	1.784	108	1820	0.506	ppbv #	84
15) Acetone	1.839	43	9180	0.629	ppbv	96
16) 1,3-Butadiene	1.609	39	3191	0.496	ppbv	96
17) tert-Butyl alcohol	2.046	59	6807	0.530	ppbv #	93
18) 1,1-Dichloroethene	2.036	96	2586	0.568	ppbv	91
19) Isopropyl Alcohol	1.887	45	4534	0.562	ppbv #	95
20) Methylene Chloride	2.065	84	2560	0.584	ppbv #	80
21) Allyl Chloride	2.098	41	4878	0.520	ppbv #	91
22) trans-1,2-Dichloroethene	2.344	96	2906	0.547	ppbv	82
23) Vinyl Acetate	2.463	43	7992	0.574	ppbv #	87
24) 1,1-Dichloroethane	2.408	63	5580	0.515	ppbv #	95
25) Ethyl Acetate	2.845	43	8757	0.375	ppbv #	86
26) Hexane	2.826	57	4657	0.458	ppbv	92
27) Carbon Disulfide	2.153	76	5958	0.502	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2248	0.368	ppbv #	79
29) Chloroform	2.849	83	10375	0.544	ppbv	87
30) Cyclohexane	3.865	84	1713	0.201	ppbv #	1
31) cis-1,2-Dichloroethene	2.726	61	5701	0.480	ppbv #	72
32) 1,1,1-Trichloroethane	3.370	97	9357	0.452	ppbv	97
34) 2-Butanone	2.564	43	8393	0.544	ppbv #	89
35) Carbon Tetrachloride	3.761	117	9780	0.505	ppbv	84
36) Benzene	3.655	78	9350	0.465	ppbv	94
37) 1,2-Dichloroethane	3.224	62	7910	0.510	ppbv #	96
38) Trichloroethene	4.551	130	723	0.094	ppbv #	24
39) 1,2-Dichloropropane	4.318	63	3201	0.425	ppbv	84
40) 1,4-Dioxane	4.606	88	816	0.231	ppbv #	100
41) Tetrahydrofuran	3.069	42	3404	0.464	ppbv #	90
42) Bromodichloromethane	4.490	83	8983	0.474	ppbv #	68
43) Methyl Methacrylate	4.888	69	1421	0.189	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	7197	0.221	ppbv #	27
45) t-1,3-Dichloropropene	6.419	75	1434	0.146	ppbv #	71

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 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

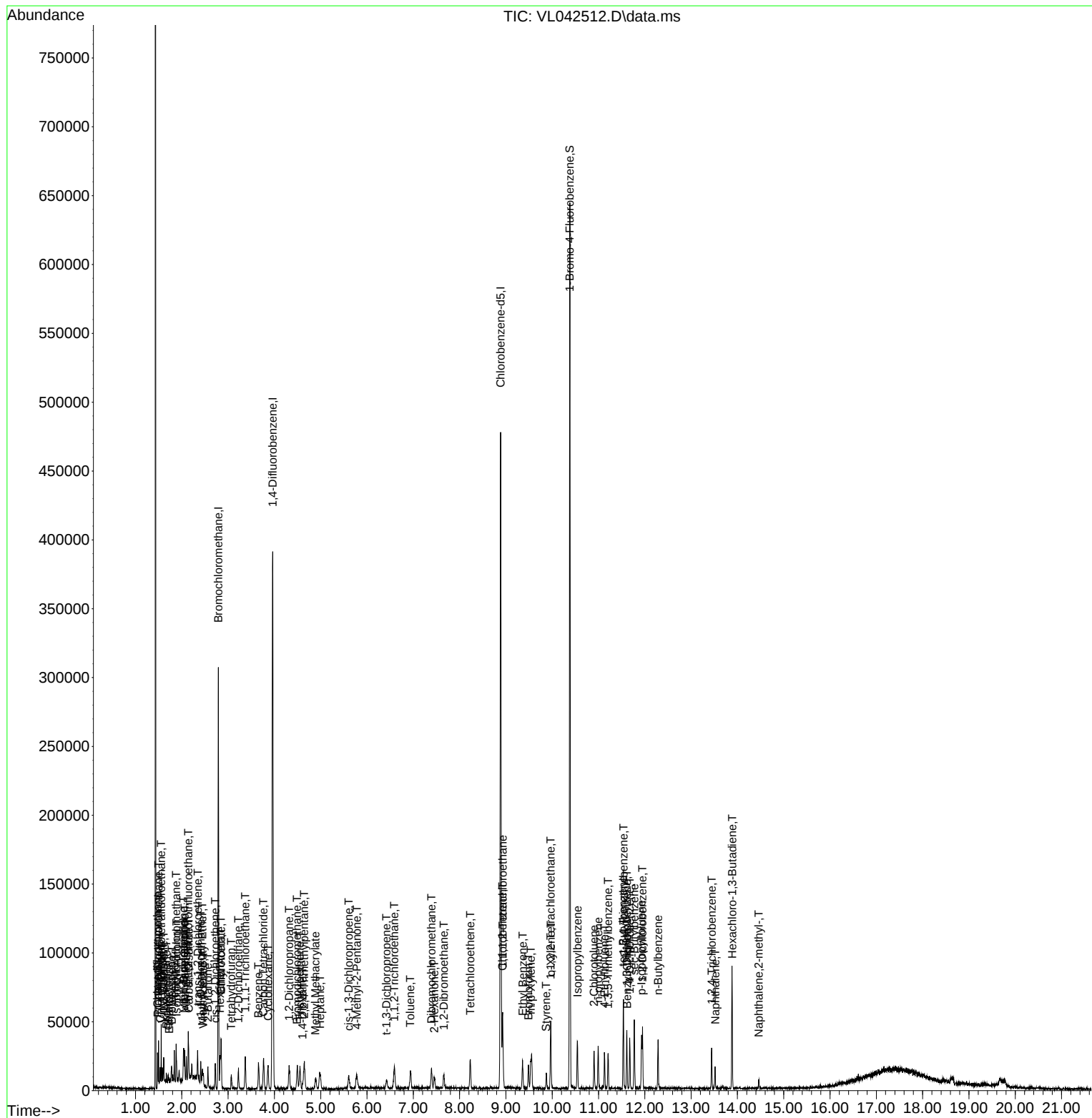
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46) cis-1,3-Dichloropropene	5.606	75	1377	0.118	ppbv	#	26
47) 1,1,2-Trichloroethane	6.590	97	761	0.092	ppbv	#	40
48) Dibromochloromethane	7.393	129	6262	0.449	ppbv		99
49) Bromoform	9.487	173	5259	0.450	ppbv		94
50) 4-Methyl-2-Pentanone	5.778	43	4899	0.251	ppbv	#	54
51) 2-Hexanone	7.451	43	3448	0.221	ppbv	#	59
52) Tetrachloroethene	8.231	164	1897	0.248	ppbv	#	71
53) Toluene	6.936	91	6110	0.287	ppbv	#	63
54) 1,2-Dibromoethane	7.661	107	3227	0.255	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.930	131	2981	0.289	ppbv	#	8
57) Chlorobenzene	8.927	112	9037	0.515	ppbv	#	82
58) Ethyl Benzene	9.361	91	10381	0.356	ppbv		95
59) m/p-Xylene	9.539	91	6907	0.282	ppbv	#	33
60) o-Xylene	9.969	91	4119	0.168	ppbv	#	35
61) Styrene	9.869	104	2818	0.308	ppbv		86
62) Isopropylbenzene	10.545	105	13940	0.394	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	8887	0.526	ppbv		90
64) n-propylbenzene	10.995	120	3244	0.376	ppbv		78
65) tert-Butylbenzene	11.532	119	9987	0.317	ppbv		90
66) Benzyl Chloride	11.617	91	1758	0.482	ppbv	#	84
67) sec-Butylbenzene	11.772	105	16239	0.362	ppbv		93
69) p-Isopropyltoluene	11.927	119	11728	0.311	ppbv		93
70) n-Butylbenzene	12.287	91	11644	0.298	ppbv		97
71) 2-Chlorotoluene	10.905	91	10356	0.374	ppbv		98
72) 4-Ethyltoluene	11.128	105	10768	0.373	ppbv		98
73) 1,3,5-Trimethylbenzene	11.206	105	8874	0.349	ppbv		96
74) 1,2,4-Trimethylbenzene	11.539	105	10209	0.332	ppbv		95
75) 1,3-Dichlorobenzene	11.610	146	7478	0.437	ppbv		92
76) 1,4-Dichlorobenzene	11.675	146	7534	0.465	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	9067	0.541	ppbv		99
78) Hexachloro-1,3-Butadiene	13.889	225	8513	0.509	ppbv		96
79) Naphthalene	13.520	128	6381	0.247	ppbv	#	90
80) Naphthalene,2-methyl-	14.458	142	2236	0.116	ppbv		93
81) 1,2,4-Trichlorobenzene	13.445	180	4198	0.304	ppbv		96

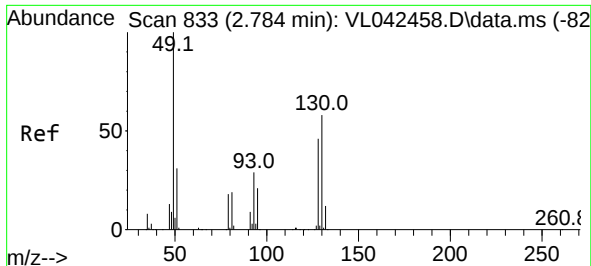
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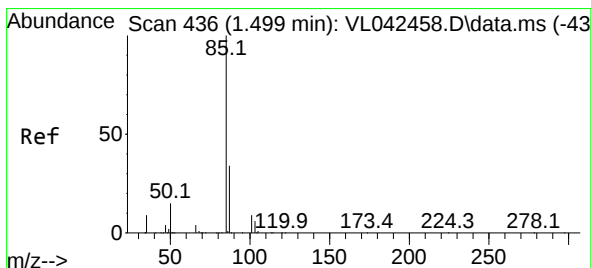
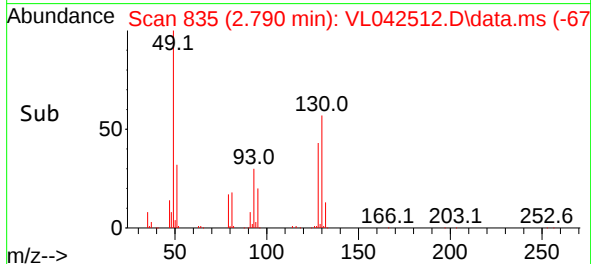
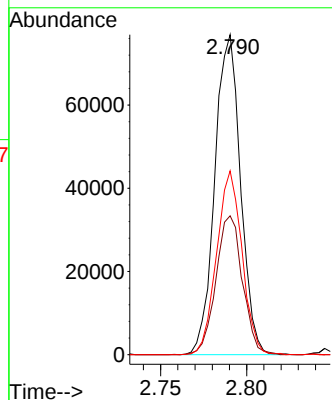
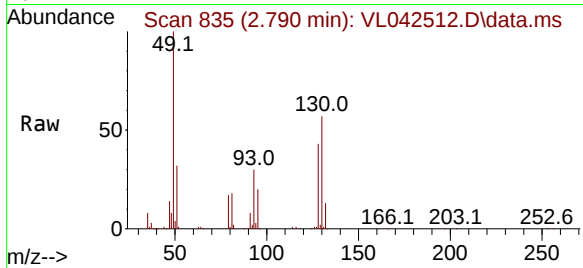




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

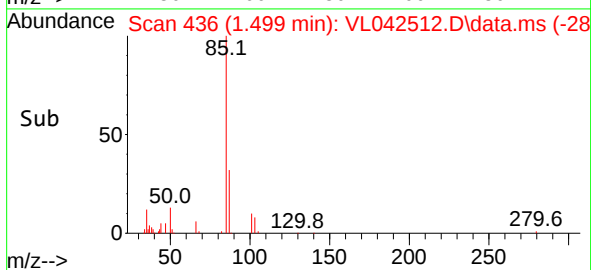
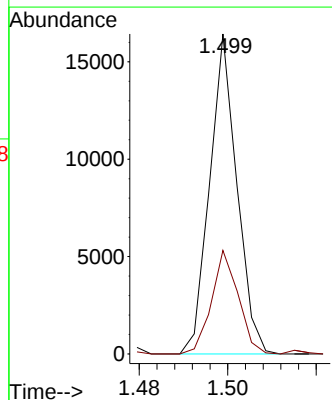
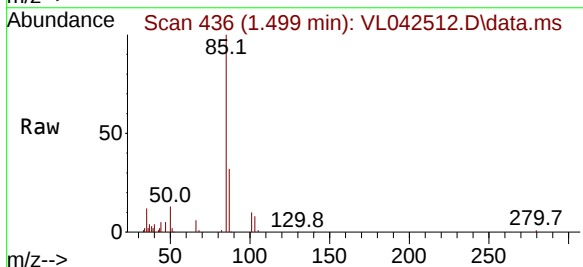
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.45

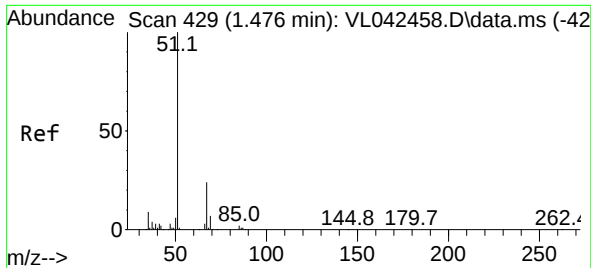
Tgt Ion: 49 Resp: 79918
Ion Ratio Lower Upper
49 100
128 44.8 23.3 69.9
130 56.8 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 85 Resp: 7036
Ion Ratio Lower Upper
85 100
87 32.3 26.9 40.3

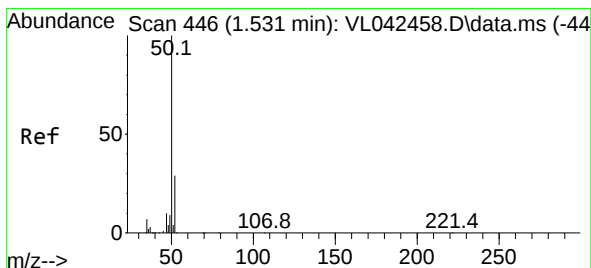
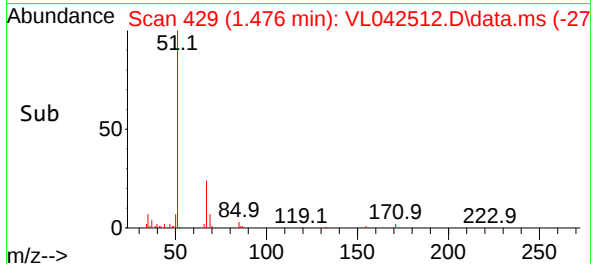
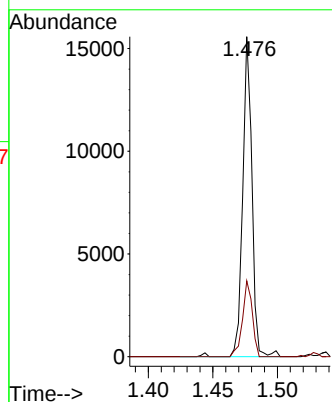
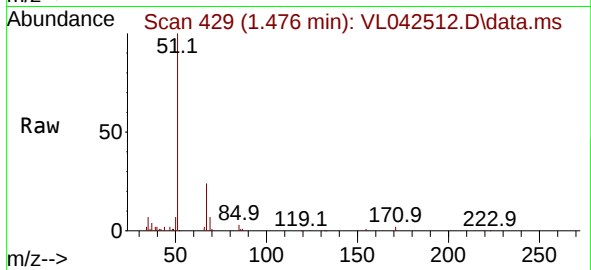




#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

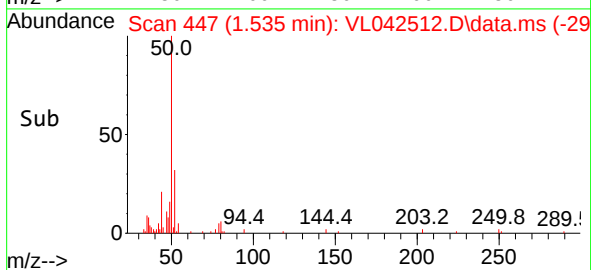
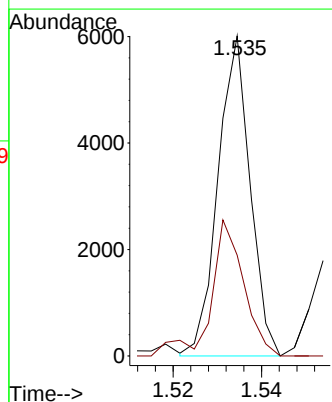
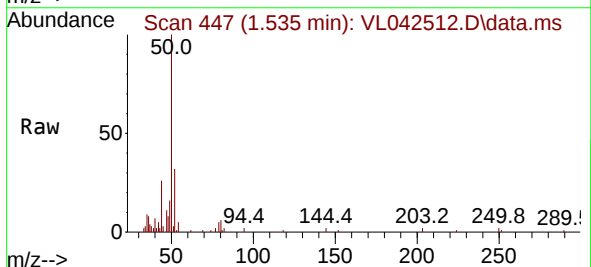
Instrument :
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ClientSampleId :
MDL1 0.45

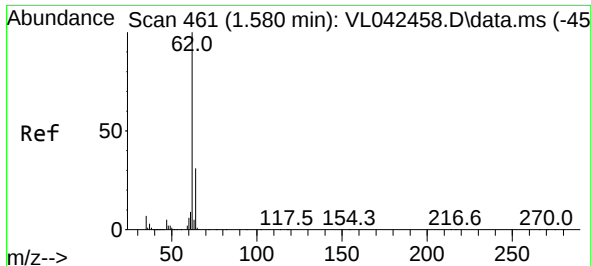
Tgt Ion: 51 Resp: 7770
Ion Ratio Lower Upper
51 100
67 25.0 18.4 27.6



#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 50 Resp: 3026
Ion Ratio Lower Upper
50 100
52 31.5 23.5 35.3

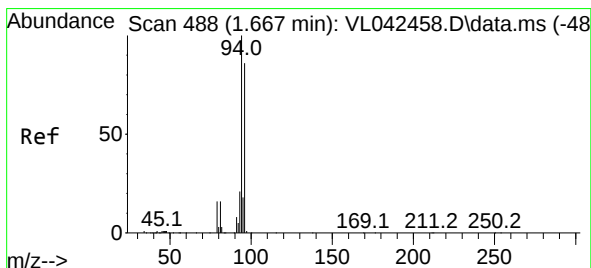
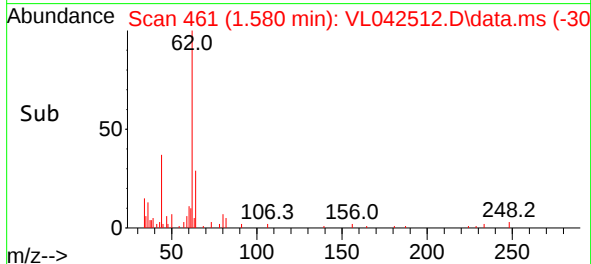
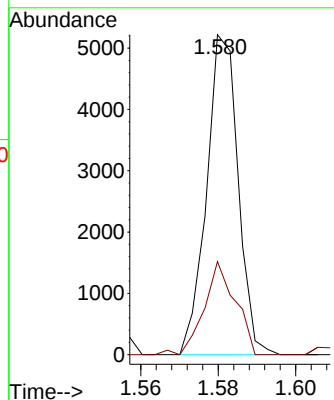
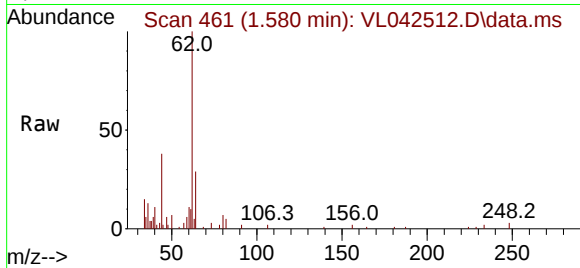




#5
 Vinyl Chloride
 Concen: 0.530 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

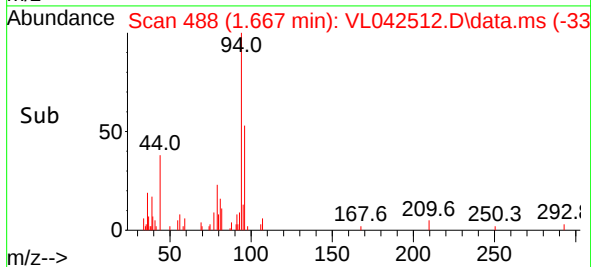
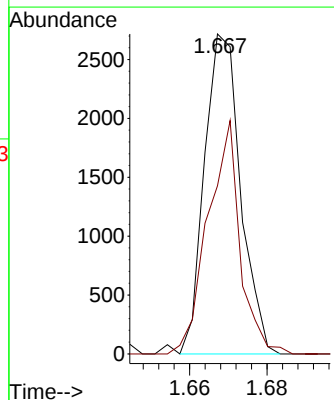
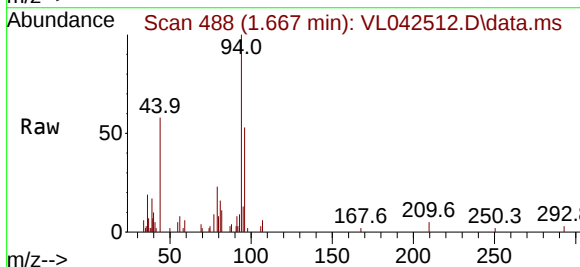
Instrument :
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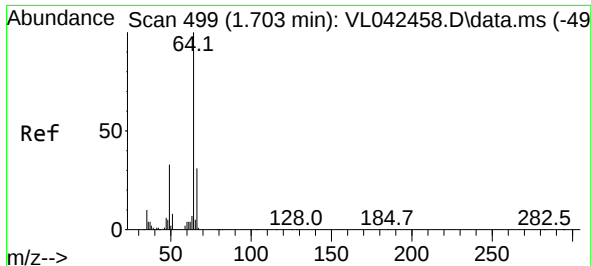
Tgt Ion: 62 Resp: 2950
 Ion Ratio Lower Upper
 62 100
 64 29.1 24.9 37.3



#6
 Bromomethane
 Concen: 0.669 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Tgt Ion: 94 Resp: 1759
 Ion Ratio Lower Upper
 94 100
 96 50.4 68.8 103.2#

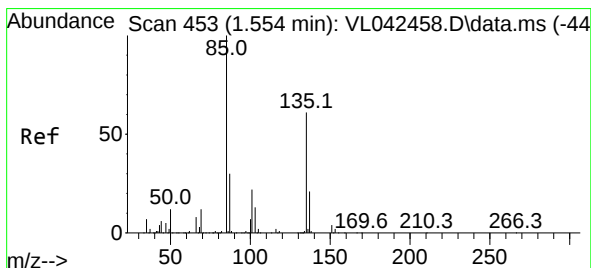
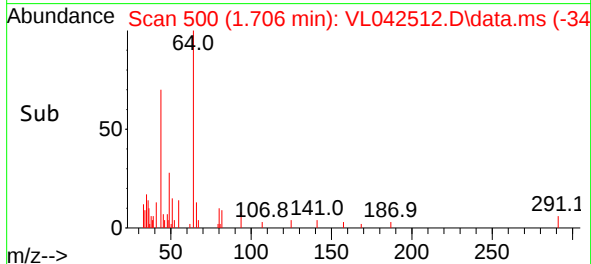
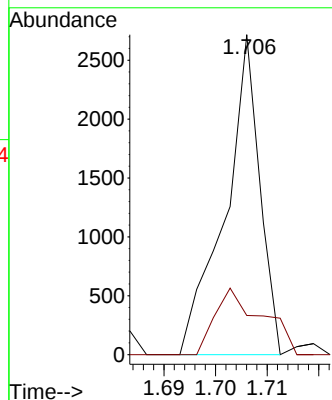
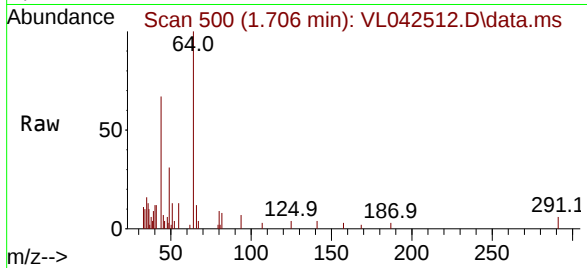




#7
Chloroethane
Concen: 0.618 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

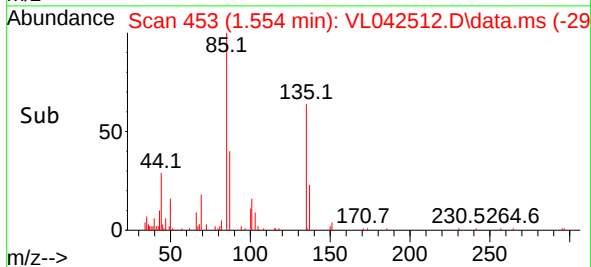
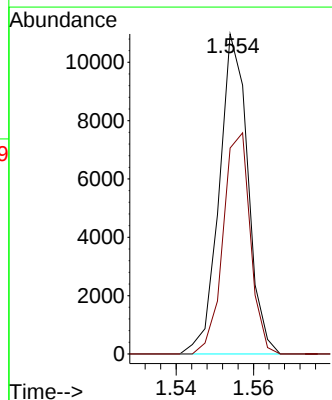
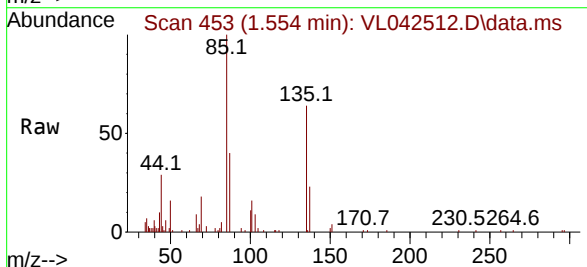
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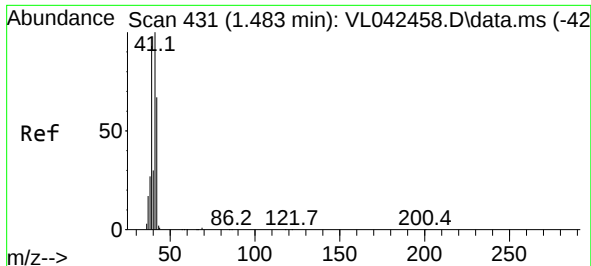
Tgt Ion: 64 Resp: 1269
Ion Ratio Lower Upper
64 100
66 12.3 25.0 37.4#



#8
Dichlorotetrafluoroethane
Concen: 0.517 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042512.D
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Tgt Ion: 85 Resp: 5638
Ion Ratio Lower Upper
85 100
135 65.7 49.8 74.8

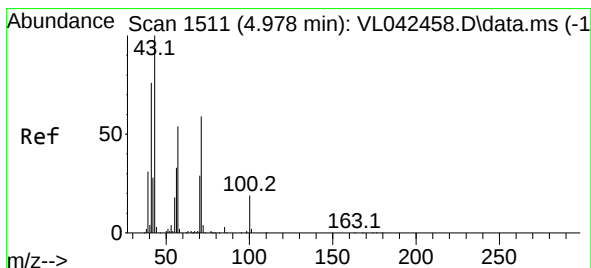
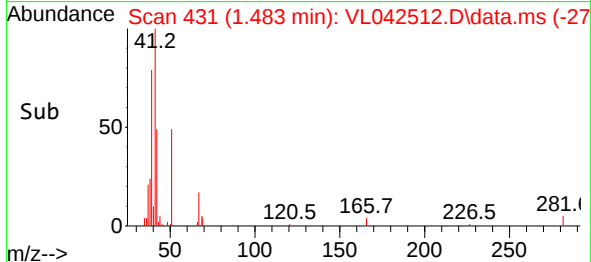
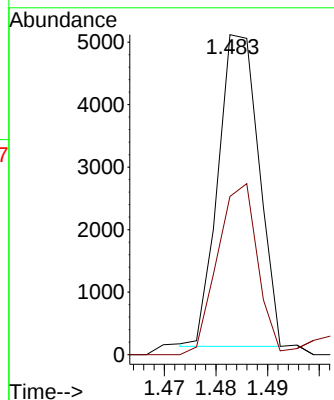
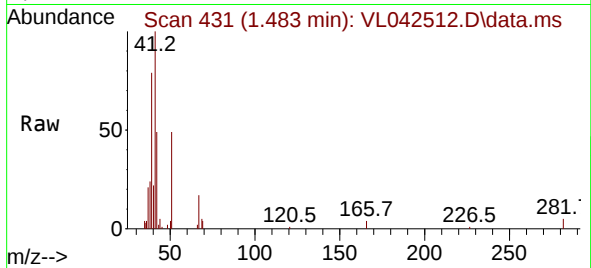




#9
Propene
Concen: 0.599 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

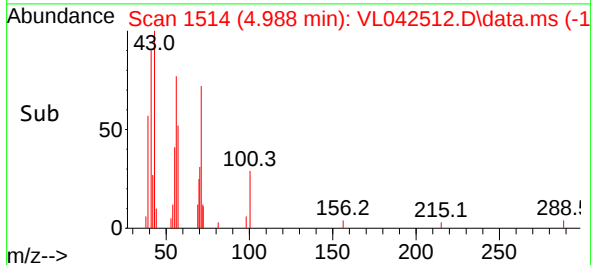
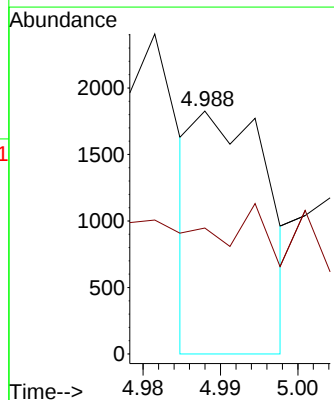
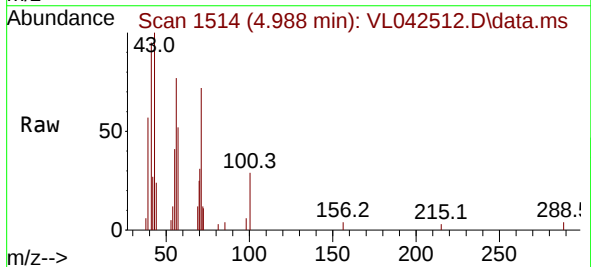
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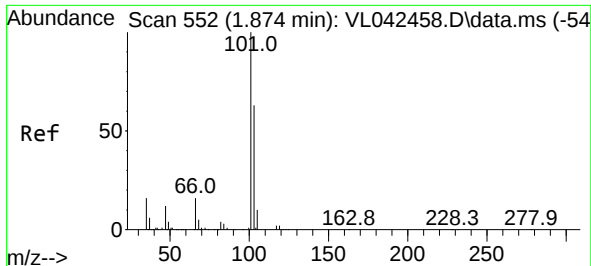
Tgt Ion: 41 Resp: 2738
Ion Ratio Lower Upper
41 100
42 62.5 54.3 81.5



#10
Heptane
Concen: 0.100 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
57 210.2 41.8 62.8#

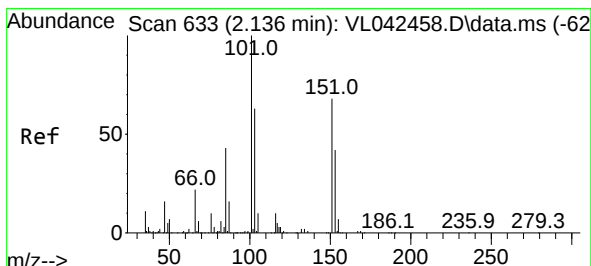
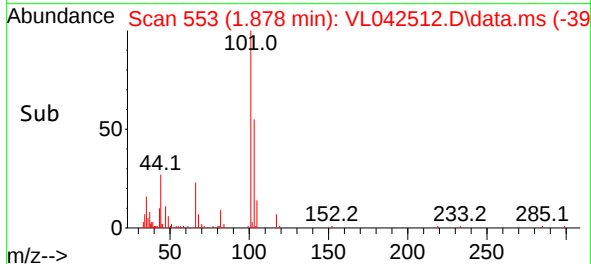
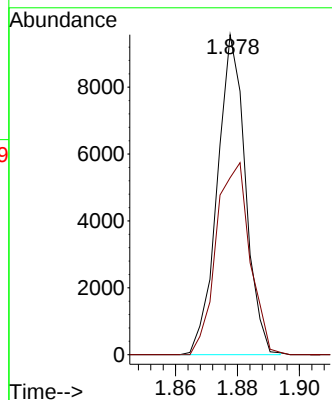
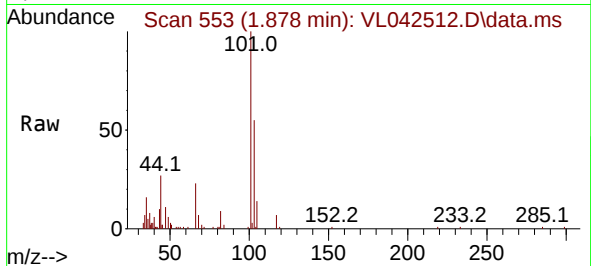




#11
Trichlorofluoromethane
Concen: 0.495 ppbv
RT: 1.878 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

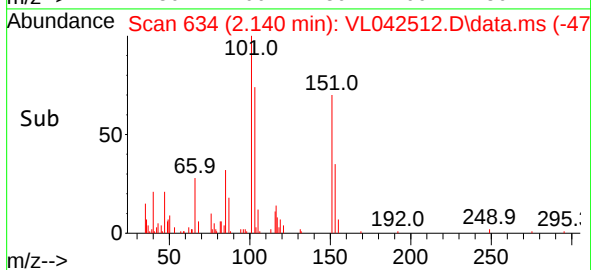
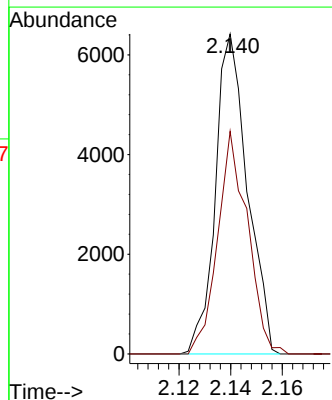
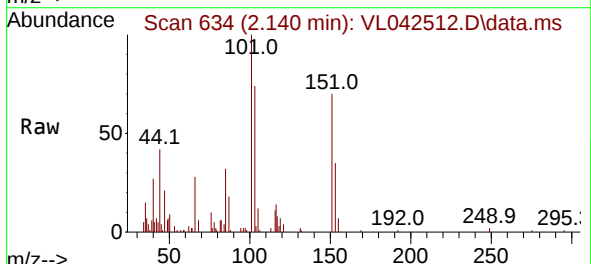
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

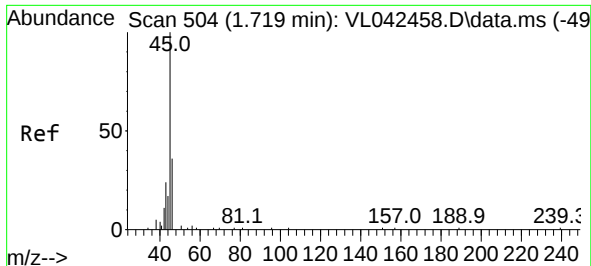
Tgt Ion:101 Resp: 6043
Ion Ratio Lower Upper
101 100
103 55.3 50.6 76.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.568 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:101 Resp: 5535
Ion Ratio Lower Upper
101 100
151 64.9 54.6 82.0

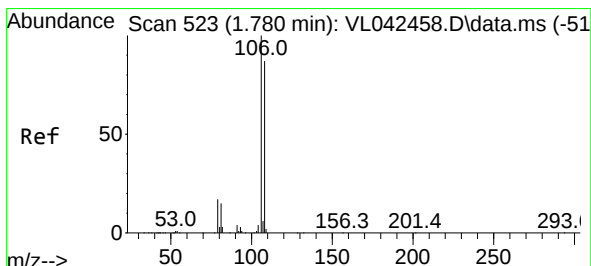
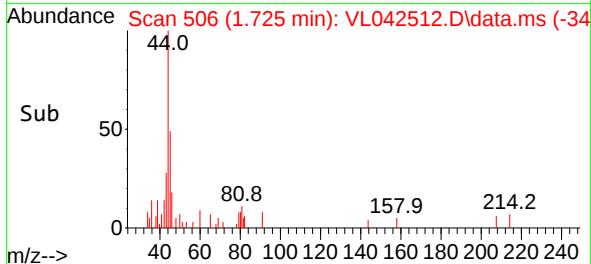
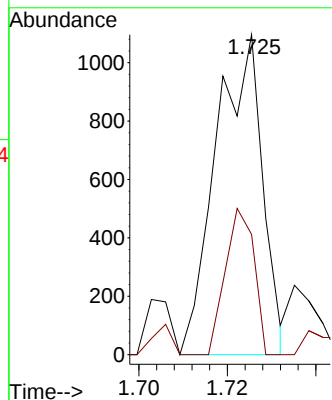
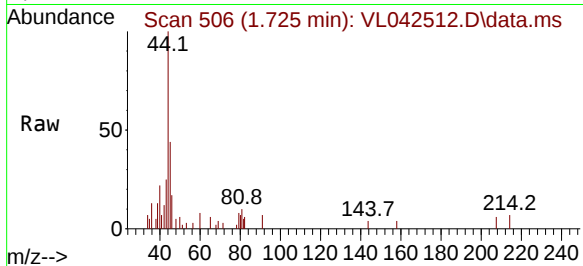




#13
Ethanol
Concen: 0.860 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

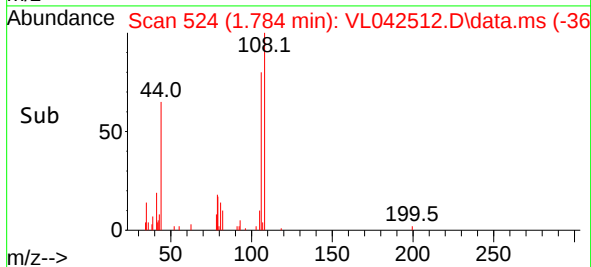
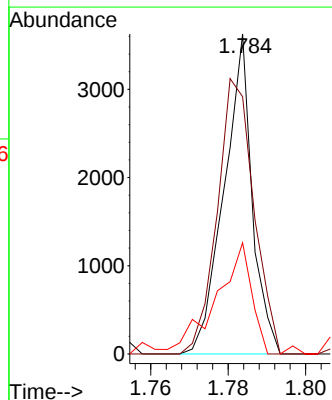
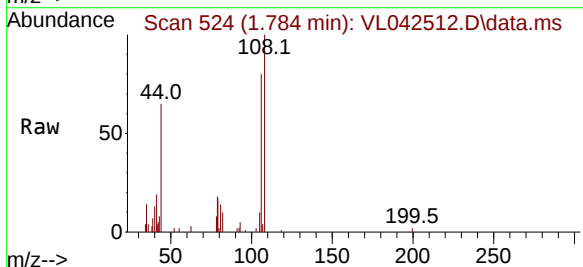
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

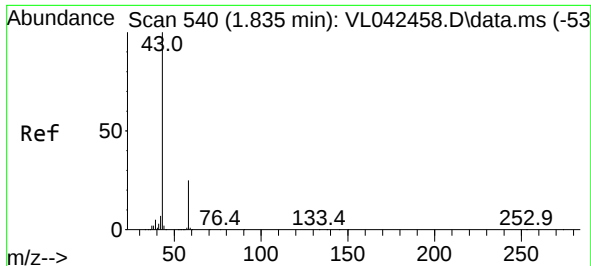
Tgt Ion: 45 Resp: 798
Ion Ratio Lower Upper
45 100
46 39.8 15.3 61.1



#14
Bromoethene
Concen: 0.506 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 108 Resp: 1820
Ion Ratio Lower Upper
108 100
106 114.8 88.8 133.2
79 58.4 17.1 25.7#





#15

Acetone

Concen: 0.629 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

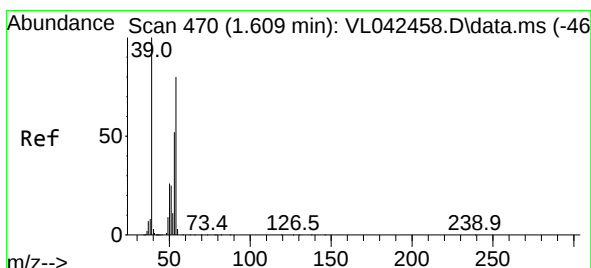
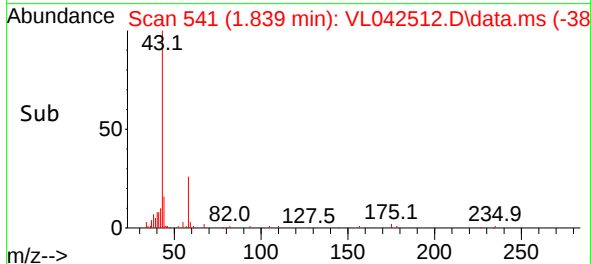
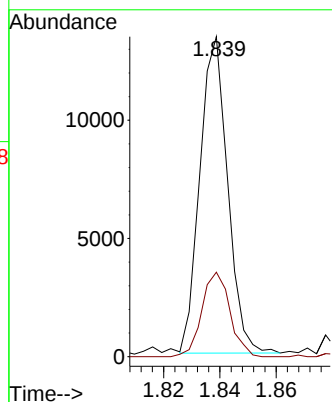
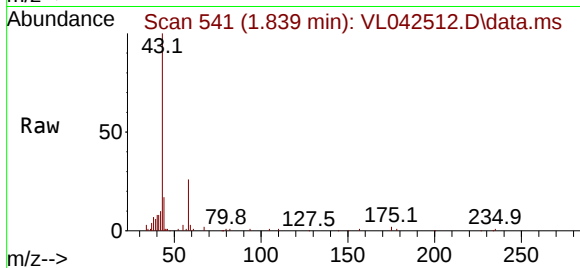
MDL1 0.45

Tgt Ion: 43 Resp: 9180

Ion Ratio Lower Upper

43 100

58 26.9 19.8 29.8



#16

1,3-Butadiene

Concen: 0.496 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.000 min

Lab File: VL042512.D

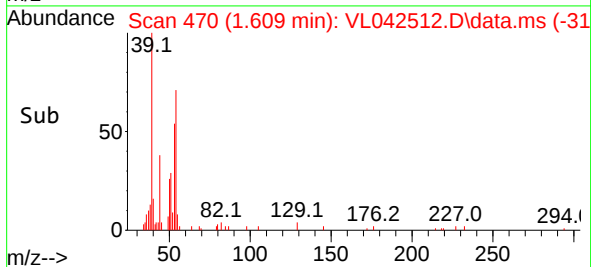
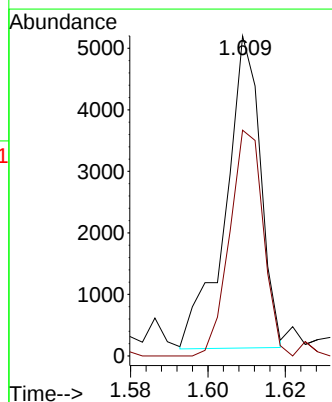
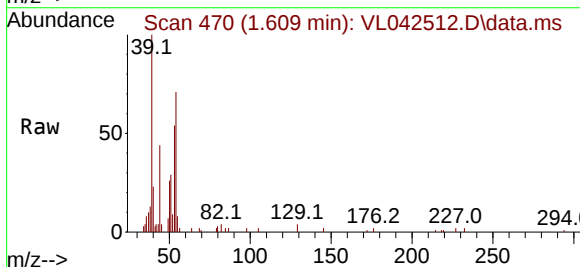
Acq: 07 May 2025 11:37

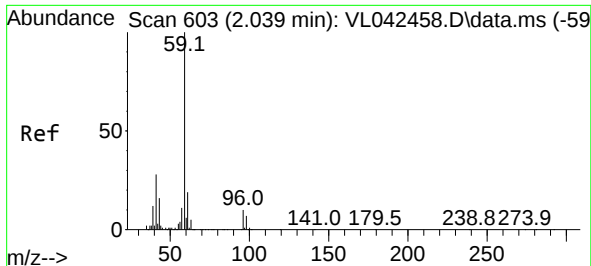
Tgt Ion: 39 Resp: 3191

Ion Ratio Lower Upper

39 100

54 72.2 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.530 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

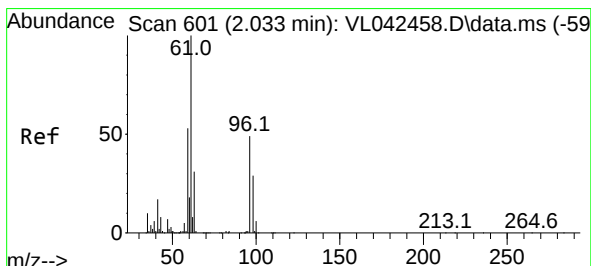
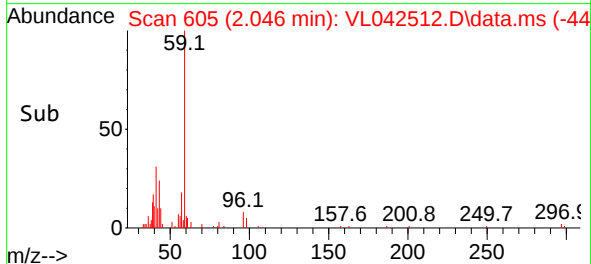
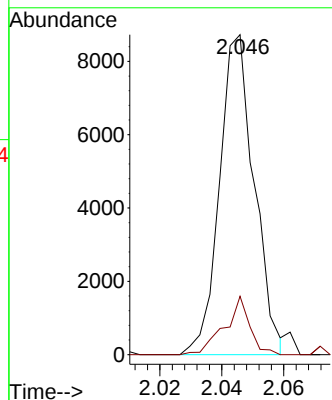
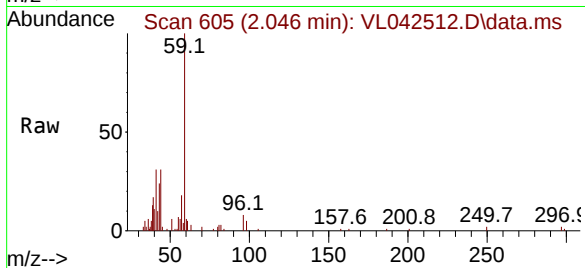
MDL1 0.45

Tgt Ion: 59 Resp: 6807

Ion Ratio Lower Upper

59 100

57 13.2 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.568 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

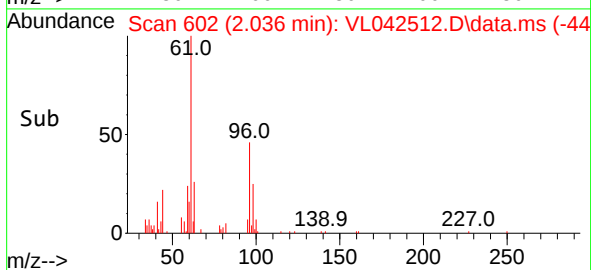
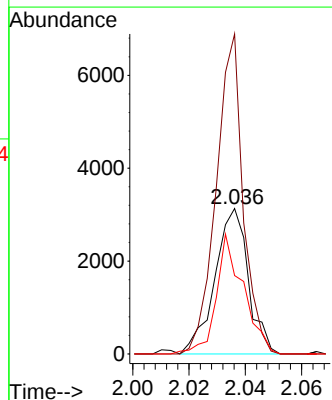
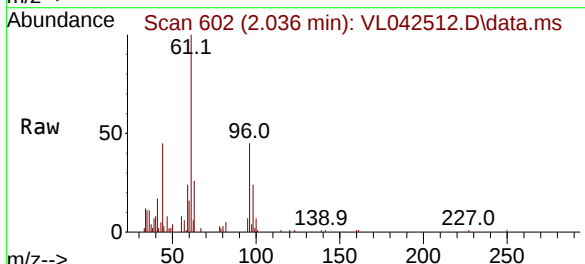
Tgt Ion: 96 Resp: 2586

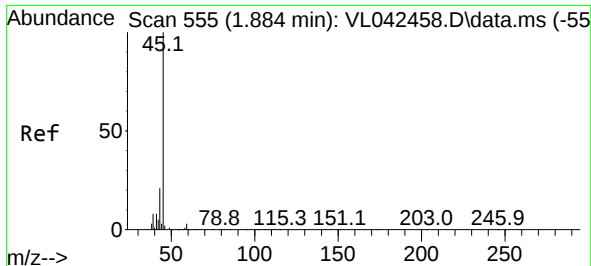
Ion Ratio Lower Upper

96 100

61 219.9 164.9 247.3

98 53.8 48.2 72.2





#19

Isopropyl Alcohol

Concen: 0.562 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

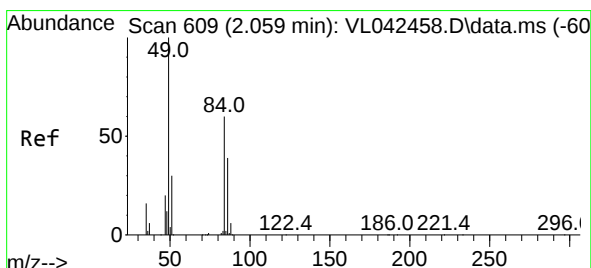
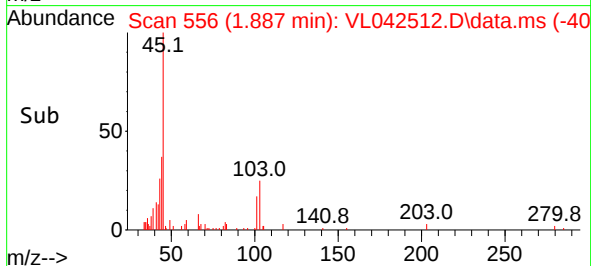
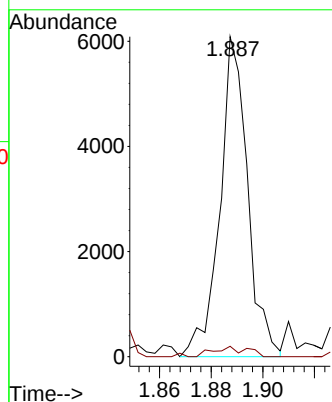
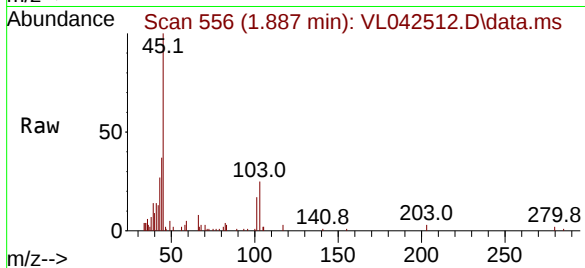
MDL1 0.45

Tgt Ion: 45 Resp: 4534

Ion Ratio Lower Upper

45 100

58 3.8 1.6 2.4#



#20

Methylene Chloride

Concen: 0.584 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Tgt Ion: 84 Resp: 2560

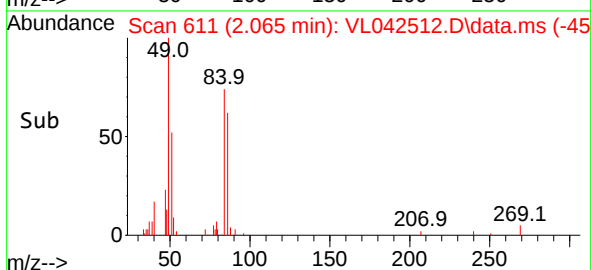
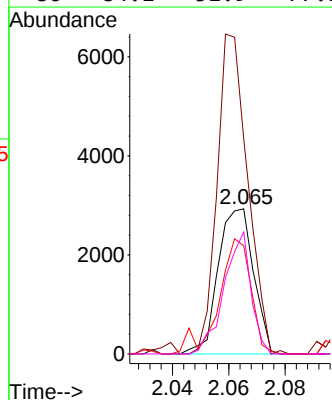
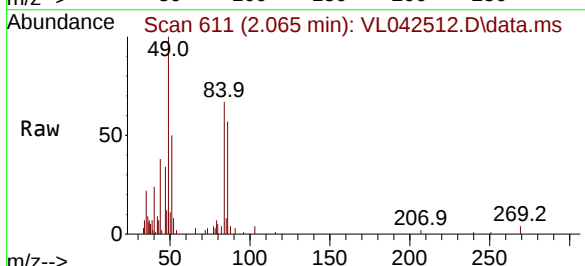
Ion Ratio Lower Upper

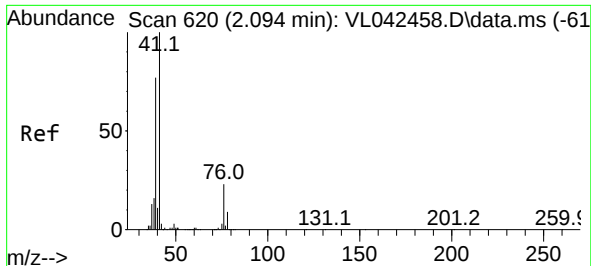
84 100

49 148.4 133.9 200.9

51 74.6 41.0 61.6#

86 84.1 51.9 77.9#

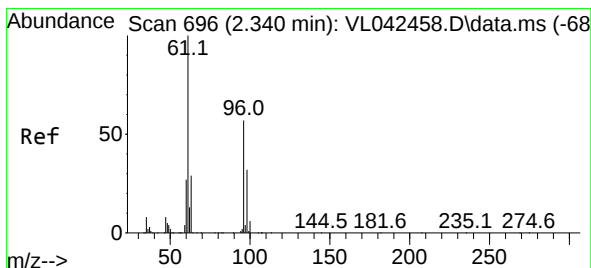
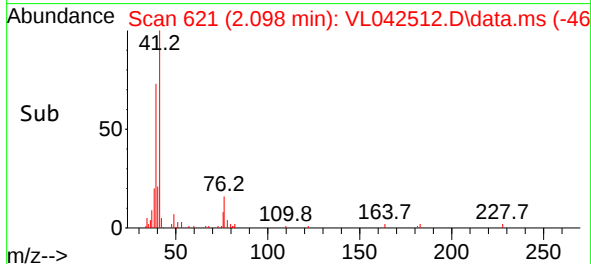
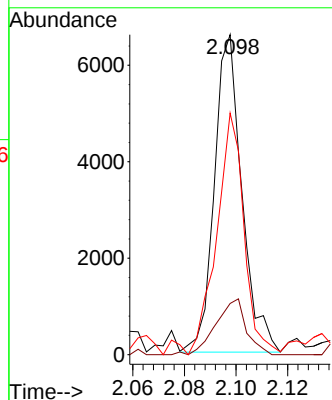
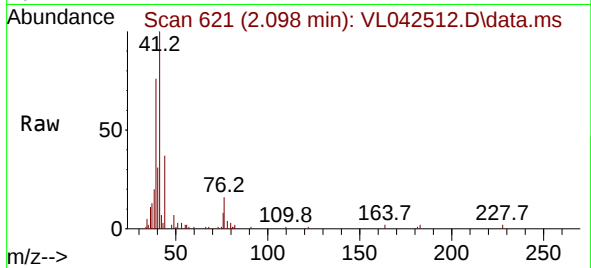




#21
 Allyl Chloride
 Concen: 0.520 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

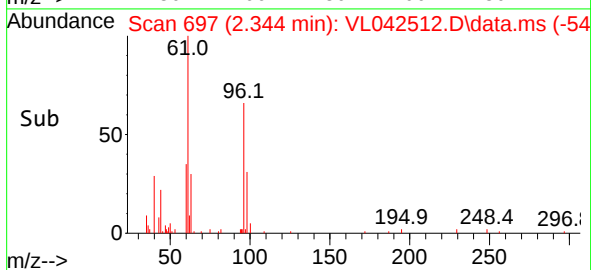
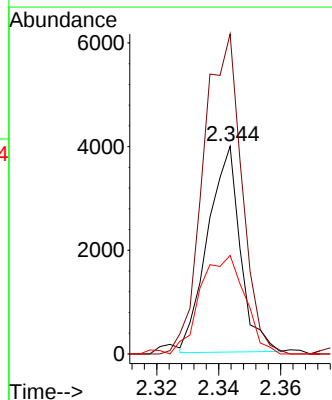
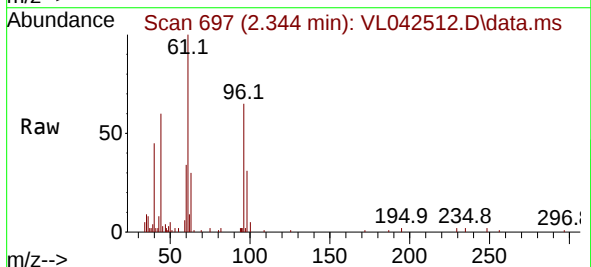
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

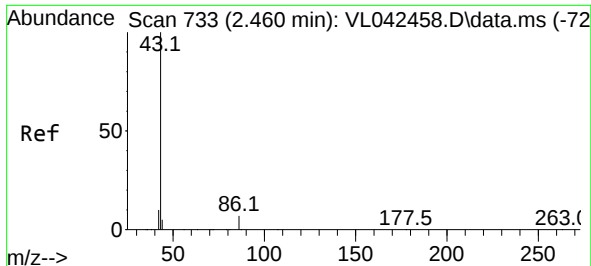
Tgt Ion: 41 Resp: 4878
 Ion Ratio Lower Upper
 41 100
 76 19.3 19.6 29.4#
 39 69.4 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.547 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Tgt Ion: 96 Resp: 2906
 Ion Ratio Lower Upper
 96 100
 61 148.6 141.8 212.6
 98 48.1 45.0 67.6

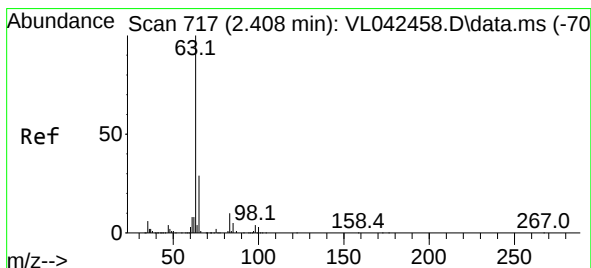
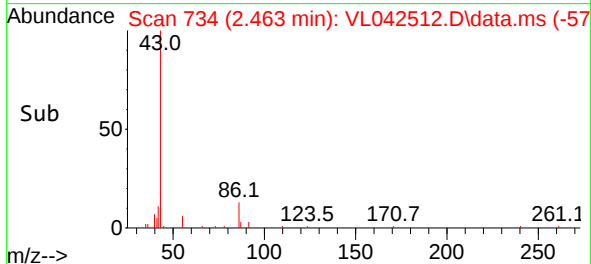
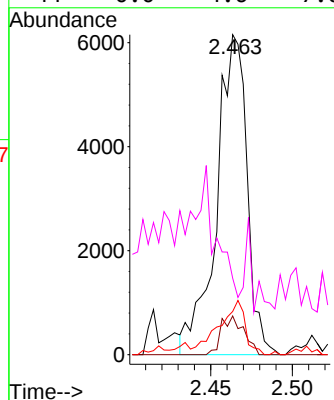
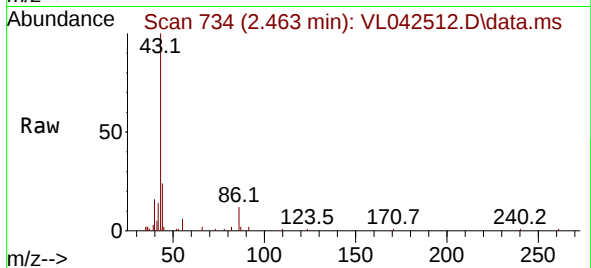




#23
 Vinyl Acetate
 Concen: 0.574 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

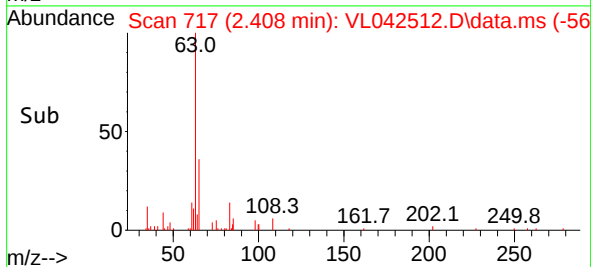
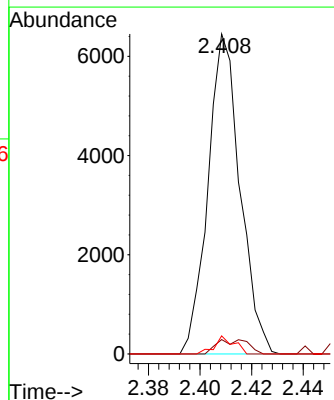
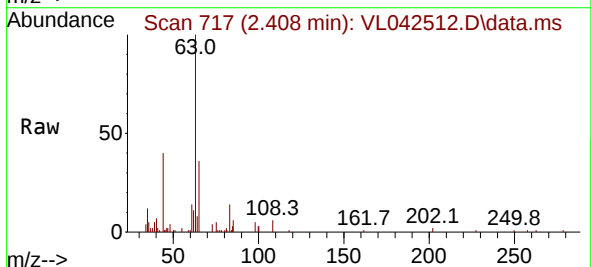
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL1 0.45

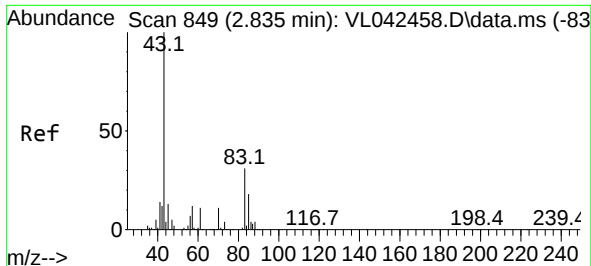
Tgt Ion:	43	Resp:	7992
Ion	Ratio	Lower	Upper
43	100		
86	12.1	5.5	8.3#
42	13.5	8.3	12.5#
44	0.0	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.515 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Tgt Ion:	63	Resp:	5580
Ion	Ratio	Lower	Upper
63	100		
98	4.5	1.8	5.5
100	5.6	1.4	4.2#

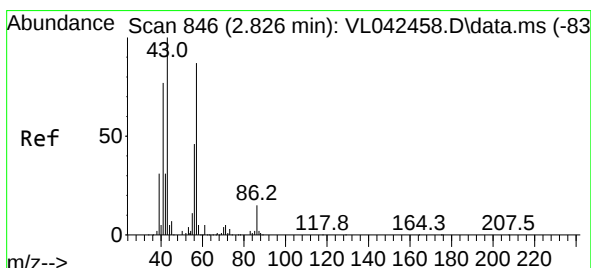
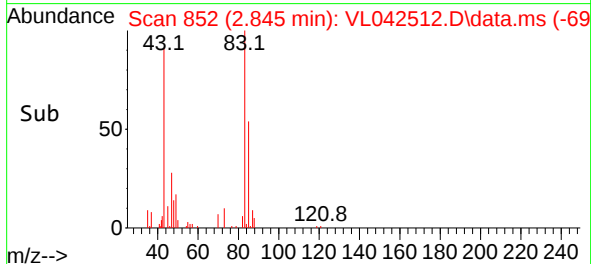
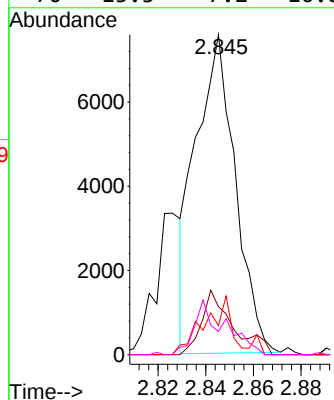
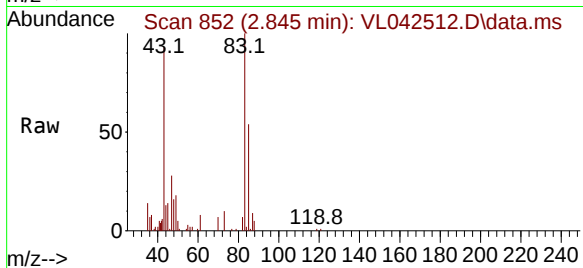




#25
Ethyl Acetate
Concen: 0.375 ppbv
RT: 2.845 min Scan# 849
Delta R.T. 0.010 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

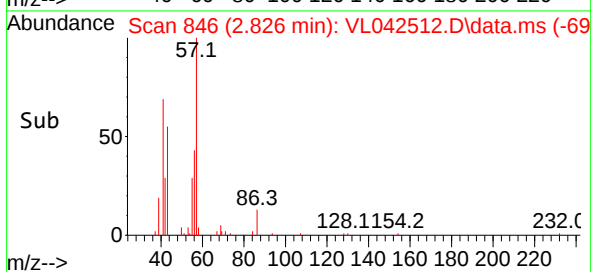
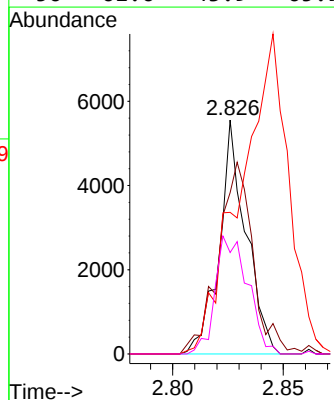
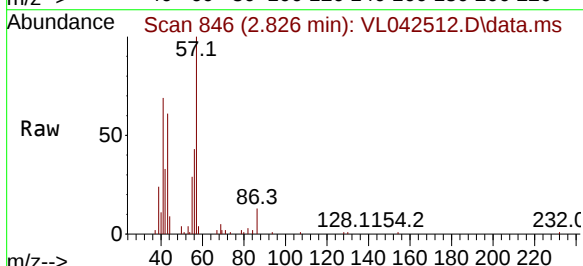
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

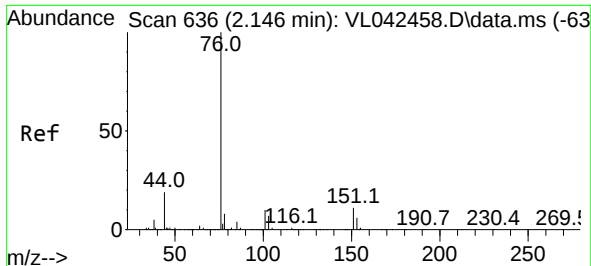
Tgt Ion: 43	Resp: 8757
Ion Ratio	Lower Upper
43 100	
45 16.0	7.8 11.6#
61 13.6	7.2 10.8#
70 13.3	7.2 10.8#



#26
Hexane
Concen: 0.458 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 57	Resp: 4657
Ion Ratio	Lower Upper
57 100	
41 107.0	77.8 116.8
43 246.6	187.0 280.6
56 61.6	43.9 65.9

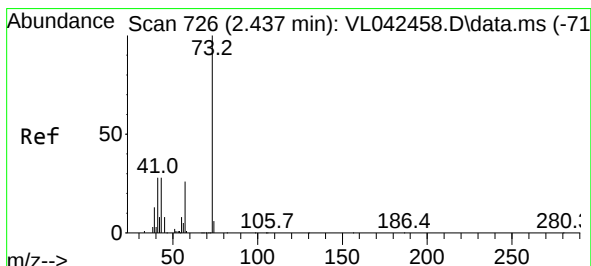
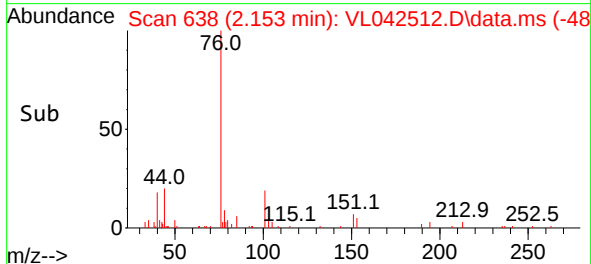
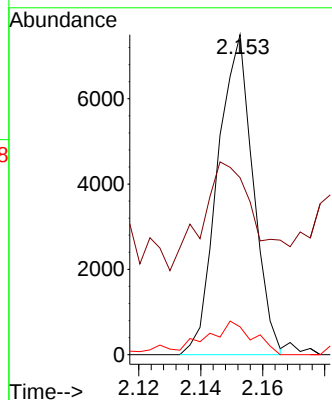
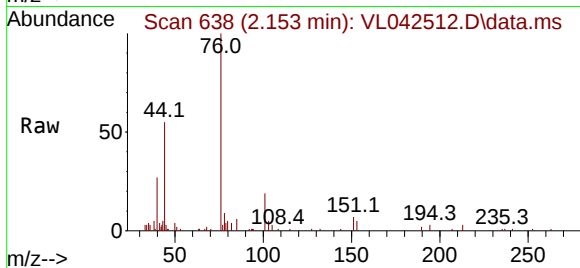




#27
Carbon Disulfide
Concen: 0.502 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

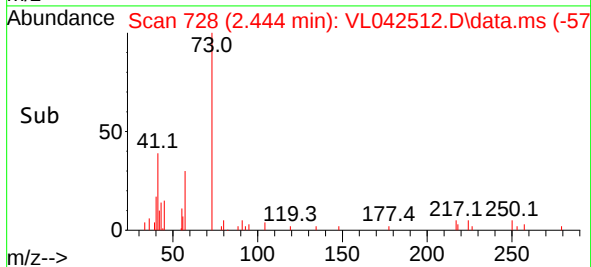
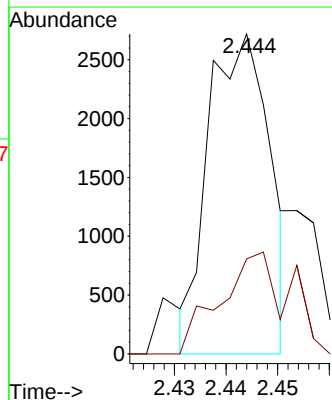
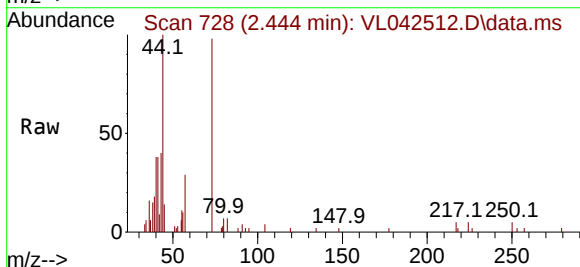
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.45

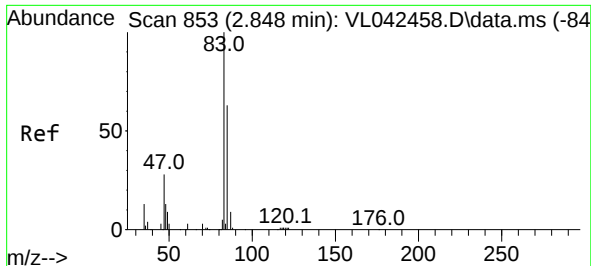
Tgt Ion: 76 Resp: 5958
Ion Ratio Lower Upper
76 100
44 158.4 21.0 31.6#
78 15.3 8.6 13.0#



#28
Methyl tert-Butyl Ether
Concen: 0.368 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 73 Resp: 2248
Ion Ratio Lower Upper
73 100
57 35.5 19.9 29.9#





#29

Chloroform

Concen: 0.544 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

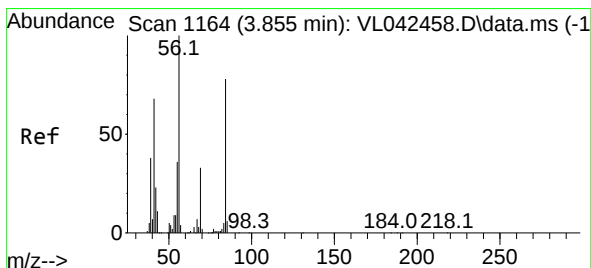
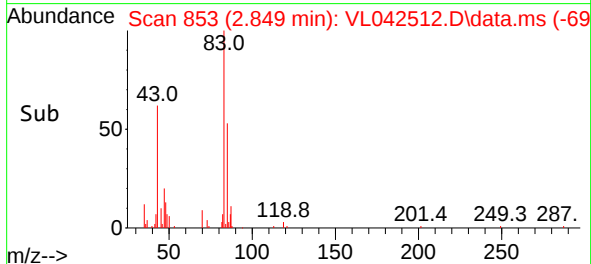
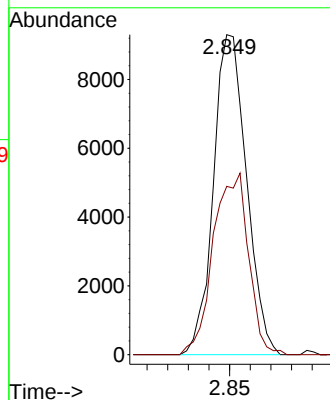
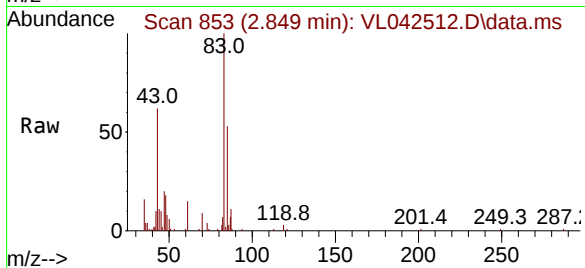
MDL1 0.45

Tgt Ion: 83 Resp: 10375

Ion Ratio Lower Upper

83 100

85 52.6 50.4 75.6



#30

Cyclohexane

Concen: 0.201 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

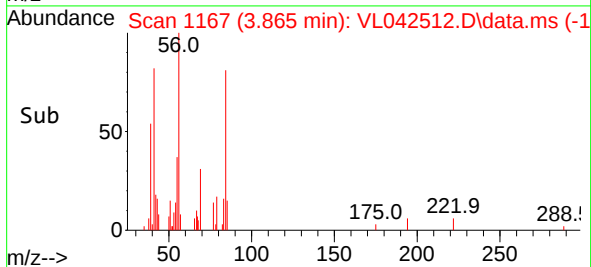
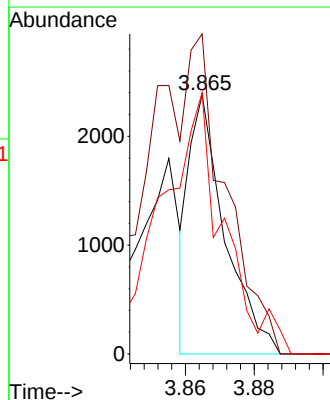
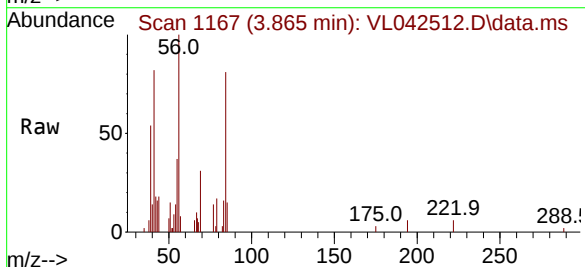
Tgt Ion: 84 Resp: 1713

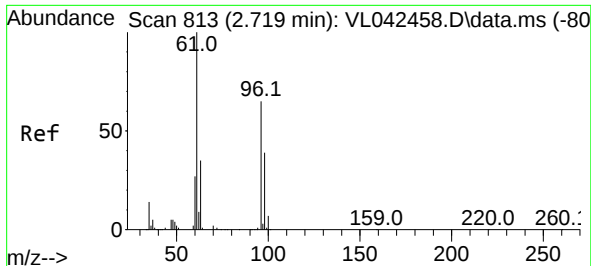
Ion Ratio Lower Upper

84 100

56 265.3 98.1 147.1#

41 188.3 65.8 98.8#

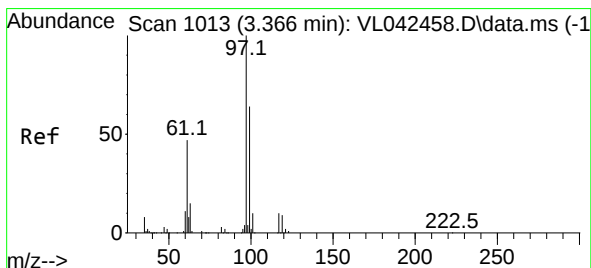
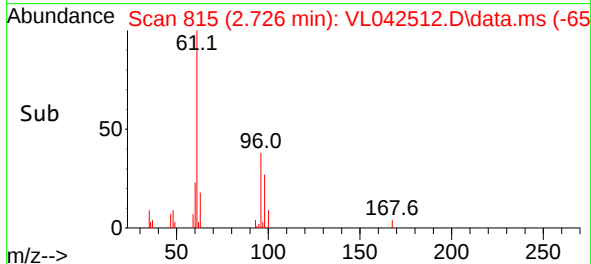
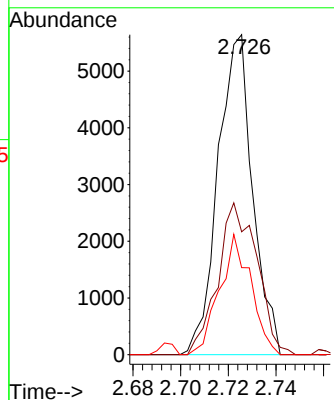
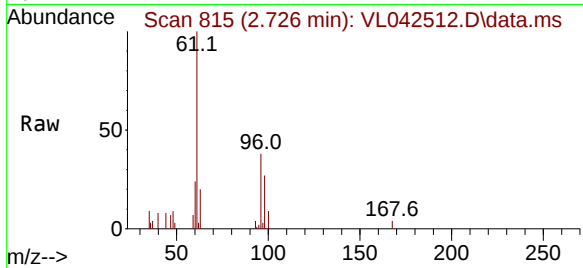




#31
 cis-1,2-Dichloroethene
 Concen: 0.480 ppbv
 RT: 2.726 min Scan# 813
 Delta R.T. 0.007 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

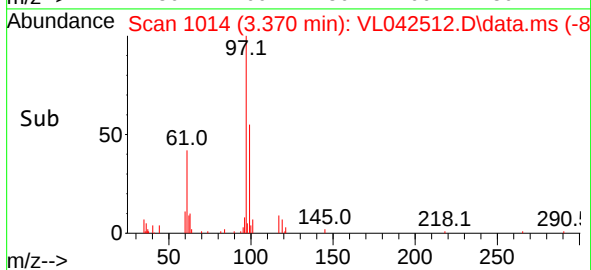
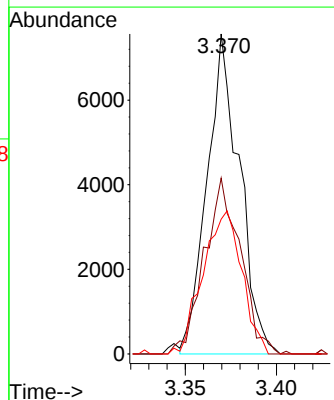
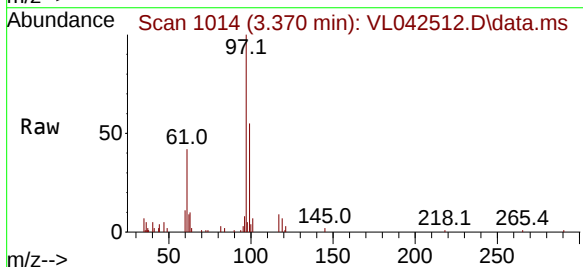
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

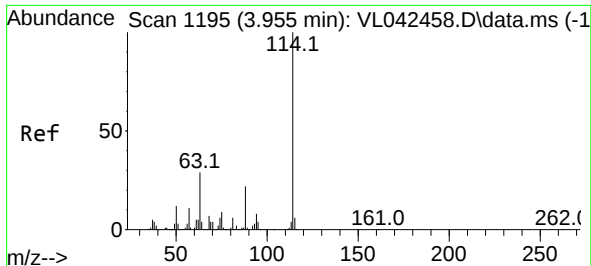
Tgt Ion: 61 Resp: 5701
 Ion Ratio Lower Upper
 61 100
 96 38.4 52.0 78.0#
 98 27.2 31.0 46.6#



#32
 1,1,1-Trichloroethane
 Concen: 0.452 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Tgt Ion: 97 Resp: 9357
 Ion Ratio Lower Upper
 97 100
 99 61.1 50.7 76.1
 61 53.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

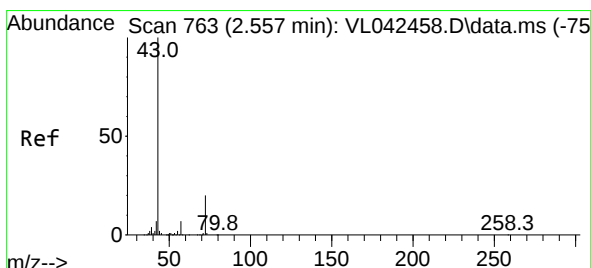
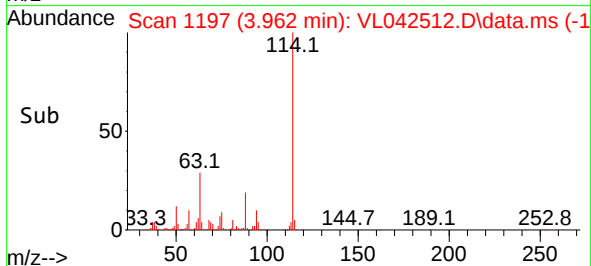
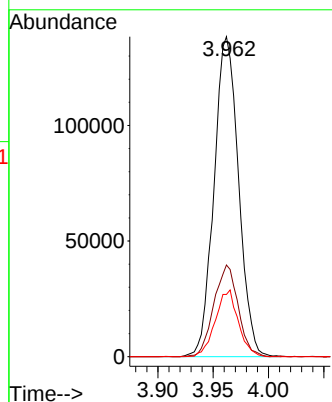
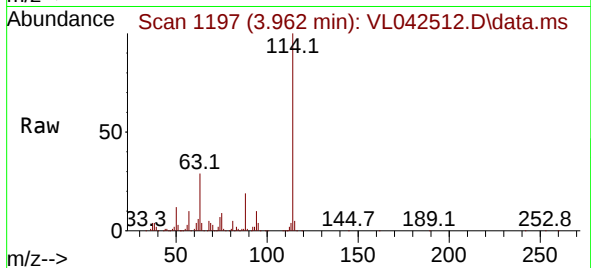
Tgt Ion:114 Resp: 213267

Ion Ratio Lower Upper

114 100

63 28.4 23.1 34.7

88 19.5 16.1 24.1



#34

2-Butanone

Concen: 0.544 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL042512.D

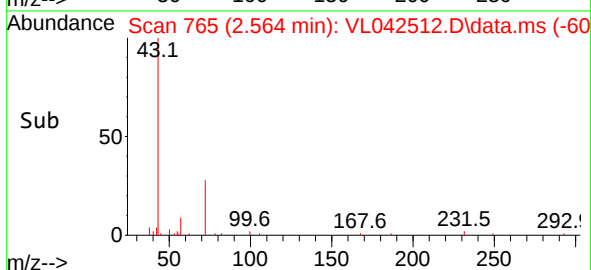
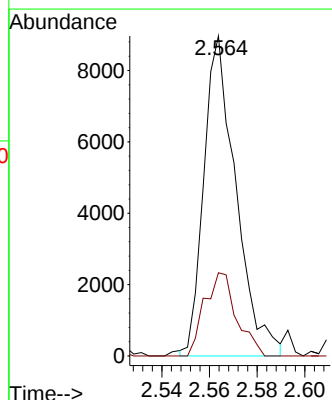
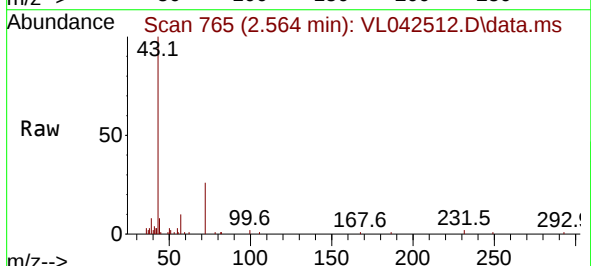
Acq: 07 May 2025 11:37

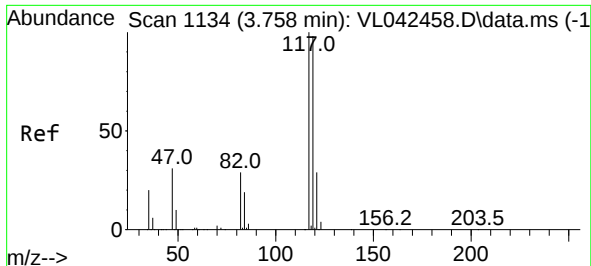
Tgt Ion: 43 Resp: 8393

Ion Ratio Lower Upper

43 100

72 25.9 16.7 25.1#

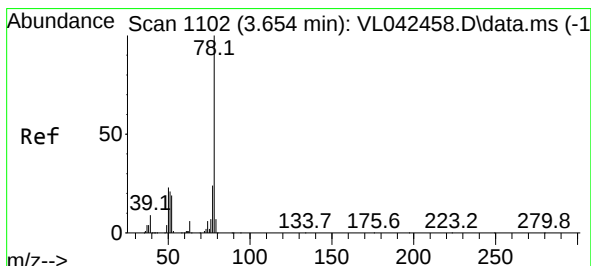
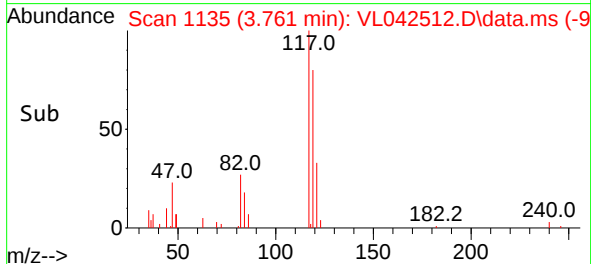
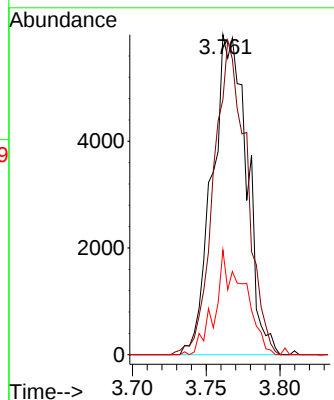
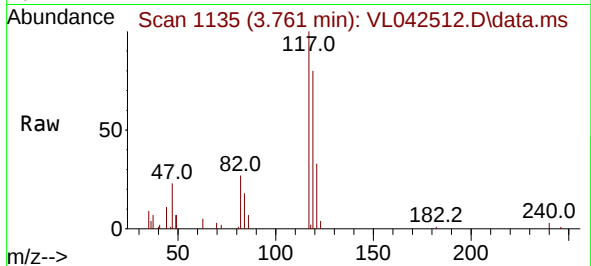




#35
Carbon Tetrachloride
Concen: 0.505 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

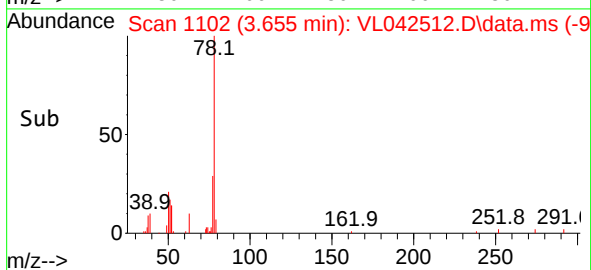
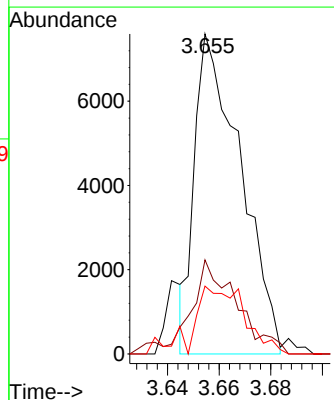
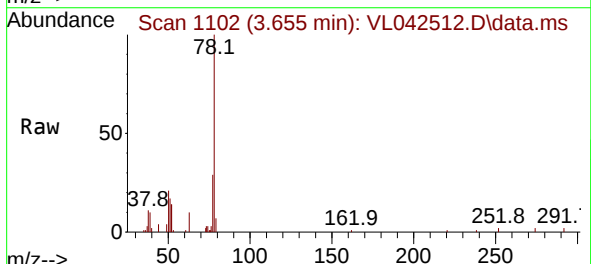
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

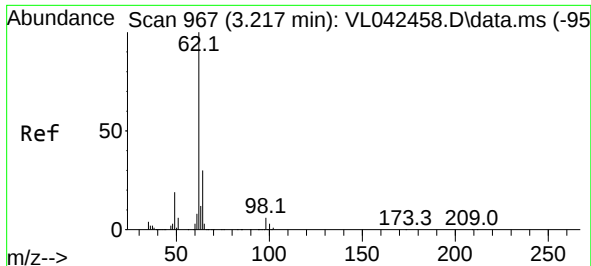
Tgt Ion:117 Resp: 9780
Ion Ratio Lower Upper
117 100
119 79.7 78.1 117.1
121 32.7 23.0 34.6



#36
Benzene
Concen: 0.465 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 78 Resp: 9350
Ion Ratio Lower Upper
78 100
77 26.7 18.9 28.3
50 20.4 18.4 27.6

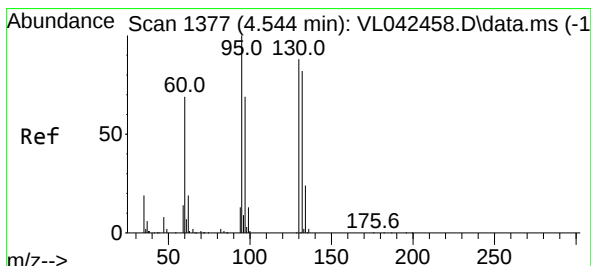
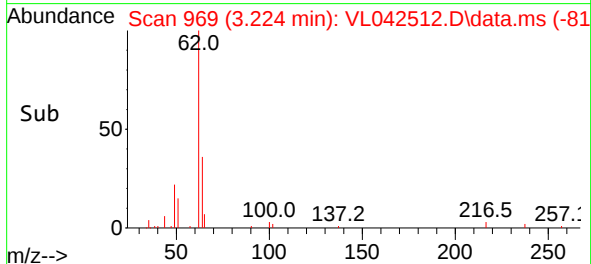
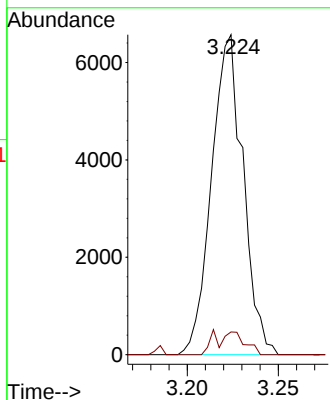
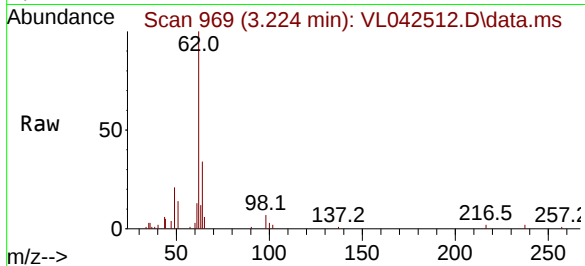




#37
1,2-Dichloroethane
Concen: 0.510 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

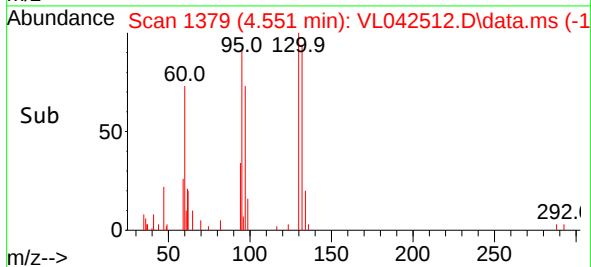
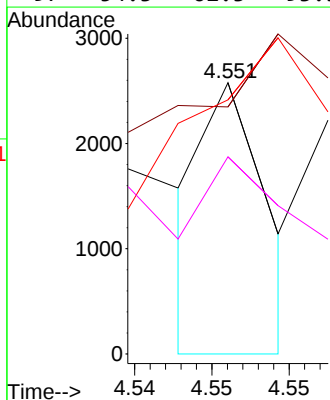
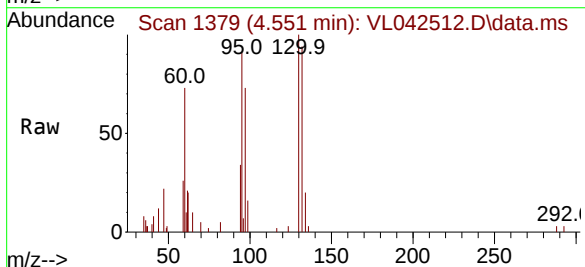
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

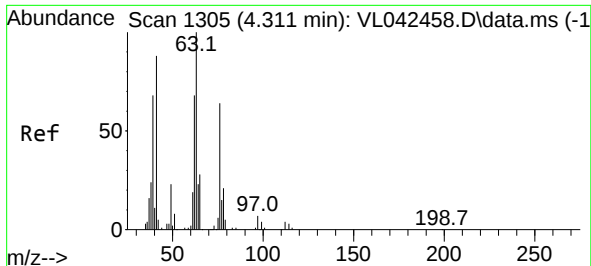
Tgt Ion: 62 Resp: 7910
Ion Ratio Lower Upper
62 100
98 6.7 4.3 6.5#



#38
Trichloroethene
Concen: 0.094 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 130 Resp: 723
Ion Ratio Lower Upper
130 100
95 0.0 91.0 136.4#
132 15.6 74.2 111.4#
97 54.3 62.3 93.5#





#39

1,2-Dichloropropane

Concen: 0.425 ppbv

RT: 4.318 min Scan# 1305

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

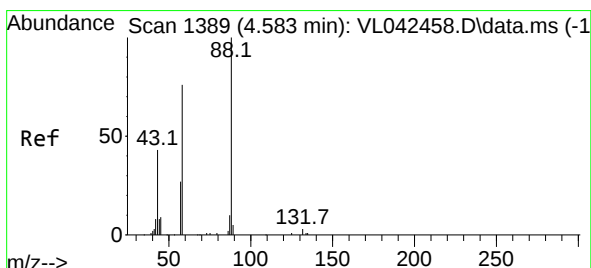
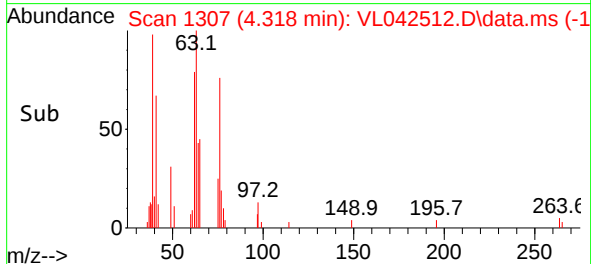
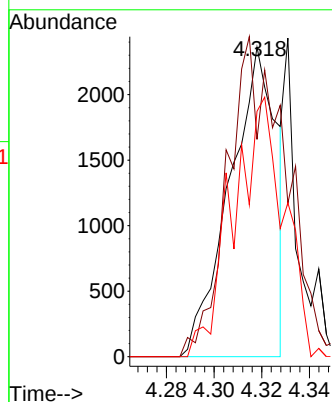
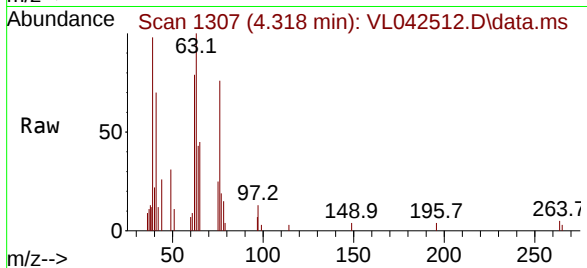
Tgt Ion: 63 Resp: 3201

Ion Ratio Lower Upper

63 100

41 70.2 69.8 104.6

62 79.2 54.3 81.5



#40

1,4-Dioxane

Concen: 0.231 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.023 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Tgt Ion: 88 Resp: 816

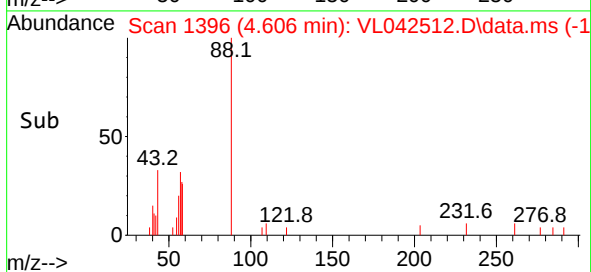
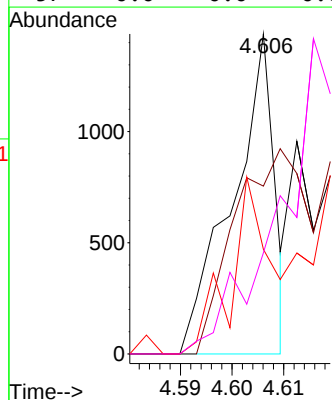
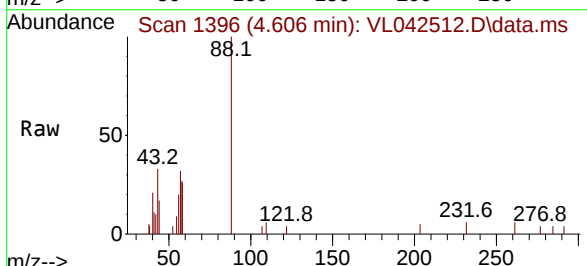
Ion Ratio Lower Upper

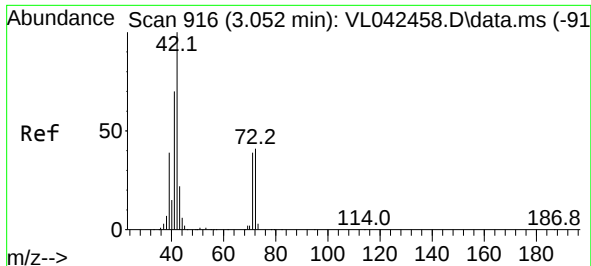
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

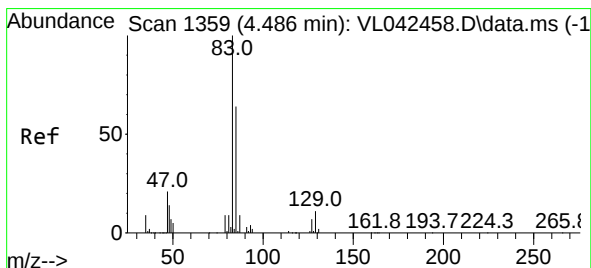
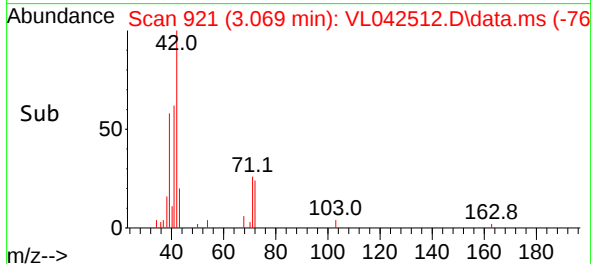
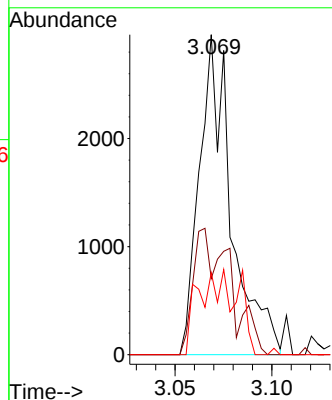
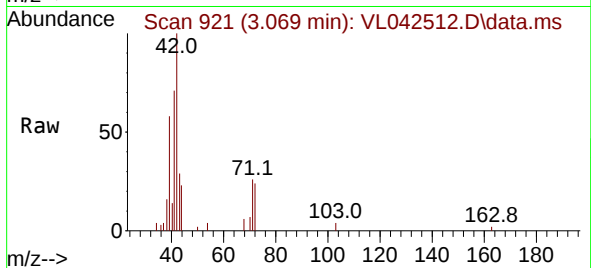




#41
Tetrahydrofuran
Concen: 0.464 ppbv
RT: 3.069 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

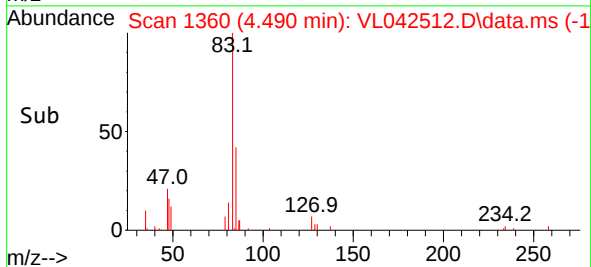
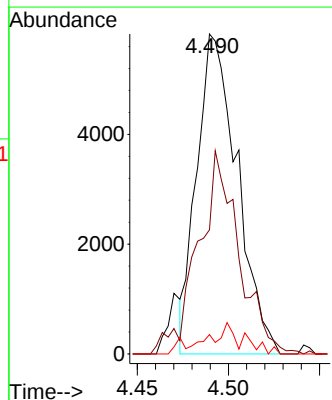
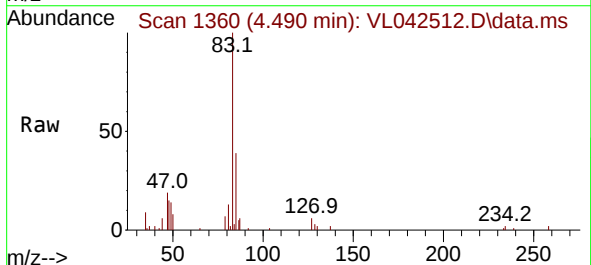
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

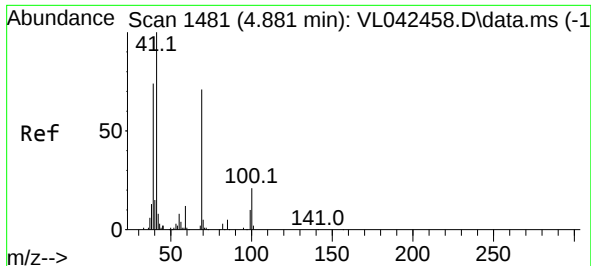
Tgt Ion:	42	Resp:	3404
Ion	Ratio	Lower	Upper
42	100		
72	45.4	33.5	50.3
71	32.3	32.6	49.0



#42
Bromodichloromethane
Concen: 0.474 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:	83	Resp:	8983
Ion	Ratio	Lower	Upper
83	100		
85	36.7	51.5	77.3
127	6.1	5.4	8.2

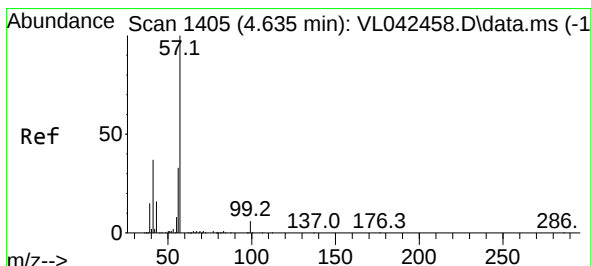
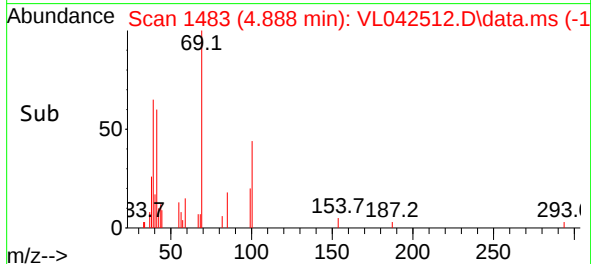
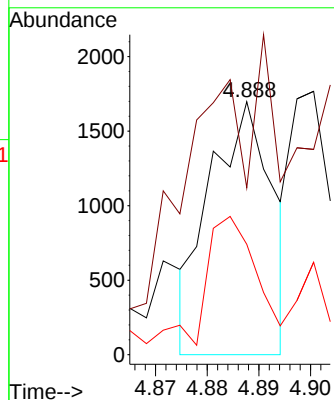
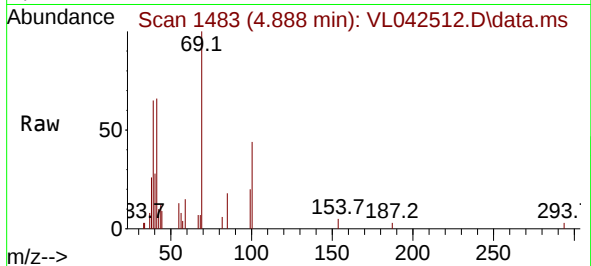




#43
Methyl Methacrylate
Concen: 0.189 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

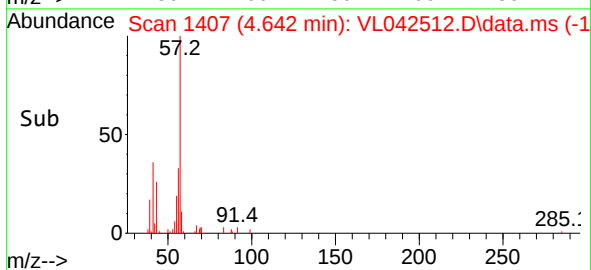
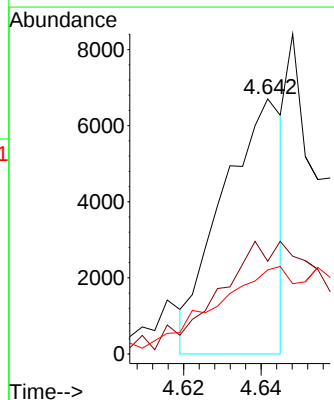
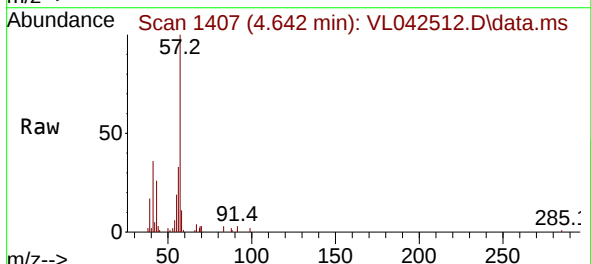
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

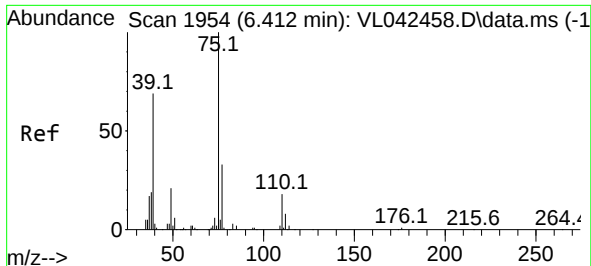
Tgt Ion: 69 Resp: 1421
Ion Ratio Lower Upper
69 100
41 290.4 120.8 181.2#
100 87.9 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.221 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 57 Resp: 7197
Ion Ratio Lower Upper
57 100
41 90.0 30.6 45.8#
56 0.0 25.0 37.6#





#45

t-1,3-Dichloropropene

Concen: 0.146 ppbv

RT: 6.419 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

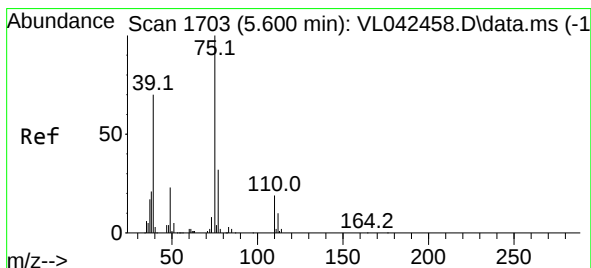
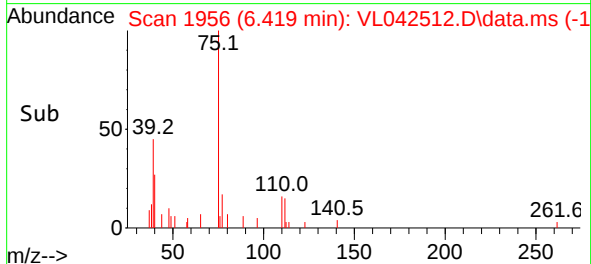
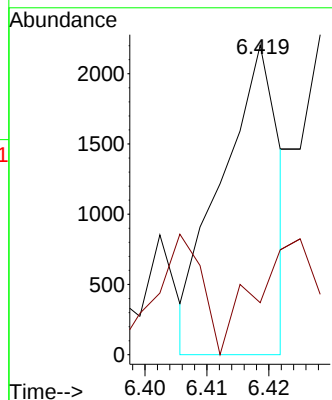
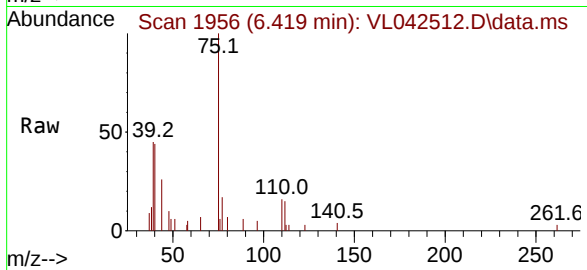
MDL1 0.45

Tgt Ion: 75 Resp: 1434

Ion Ratio Lower Upper

75 100

77 16.8 26.3 39.5#



#46

cis-1,3-Dichloropropene

Concen: 0.118 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

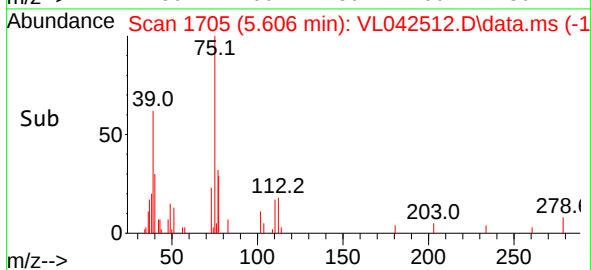
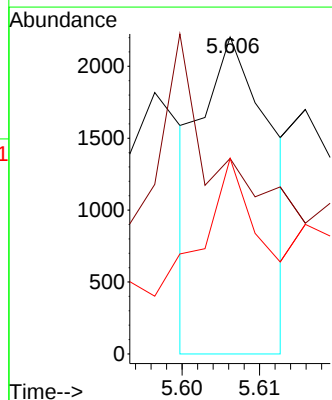
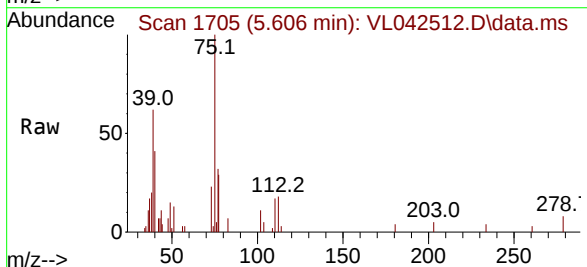
Tgt Ion: 75 Resp: 1377

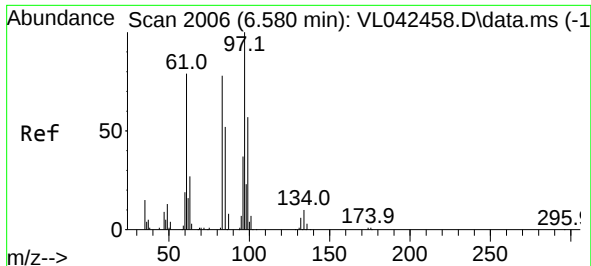
Ion Ratio Lower Upper

75 100

39 28.3 55.7 83.5#

77 102.9 25.8 38.8#

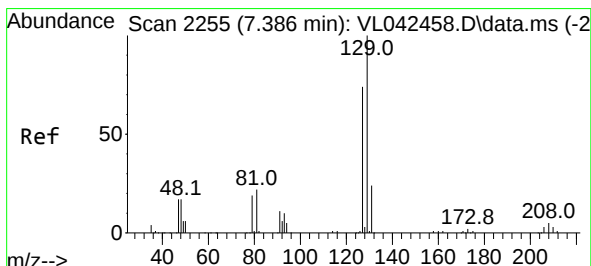
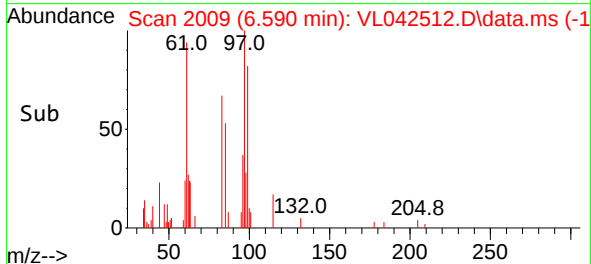
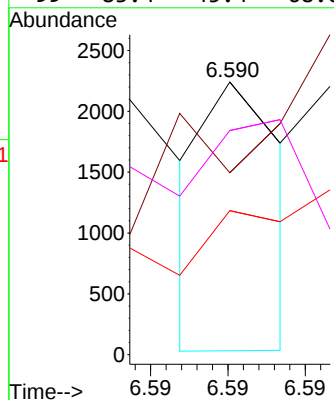
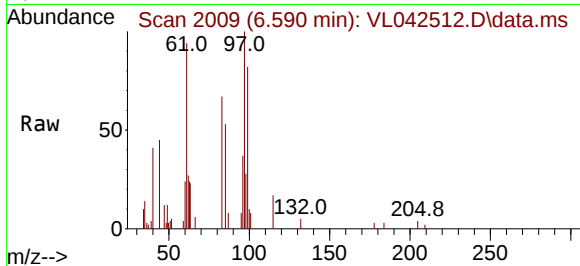




#47
1,1,2-Trichloroethane
Concen: 0.092 ppbv
RT: 6.590 min Scan# 2006
Delta R.T. 0.010 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

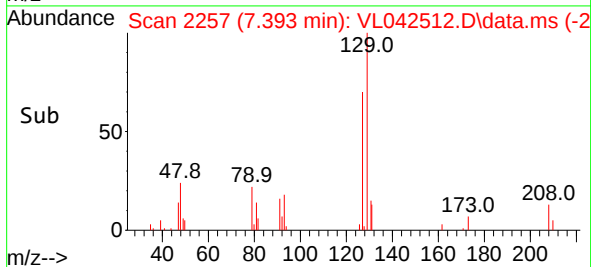
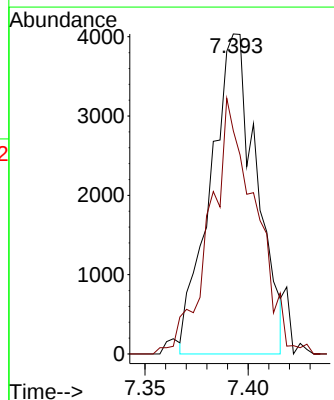
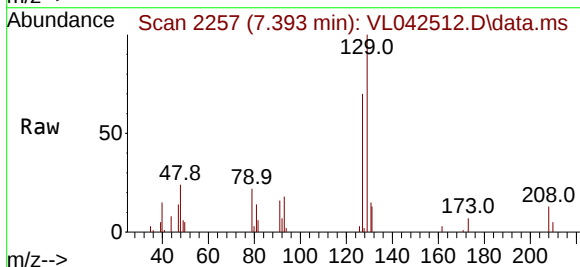
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

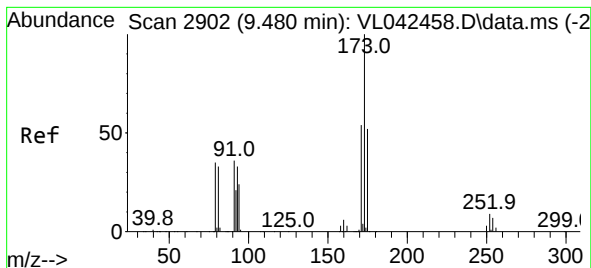
Tgt Ion: 97	Resp: 761
Ion Ratio	Lower Upper
97 100	
83 0.0	62.2 93.2#
85 82.2	41.5 62.3#
99 83.4	45.4 68.0#



#48
Dibromochloromethane
Concen: 0.449 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:129	Resp:	6262	
Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.5	118.5





#49

Bromoform

Concen: 0.450 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

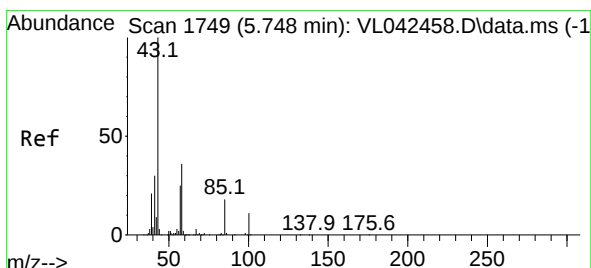
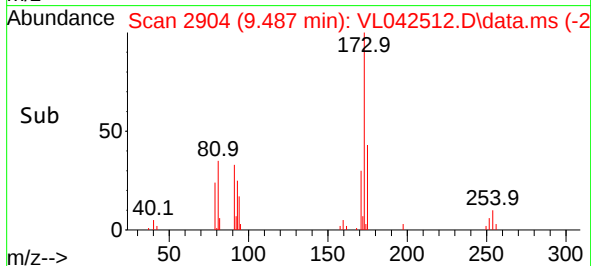
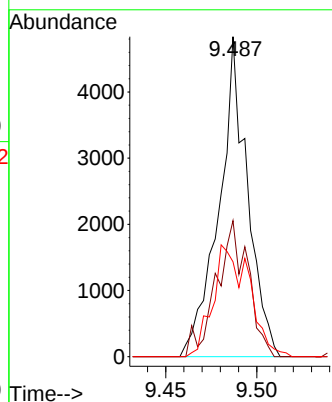
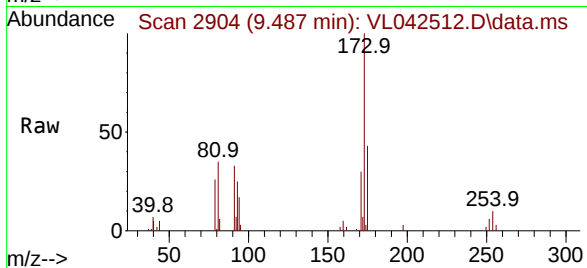
Tgt Ion:173 Resp: 5259

Ion Ratio Lower Upper

173 100

175 47.1 38.9 58.3

171 44.5 40.6 60.8



#50

4-Methyl-2-Pentanone

Concen: 0.251 ppbv

RT: 5.778 min Scan# 1758

Delta R.T. 0.029 min

Lab File: VL042512.D

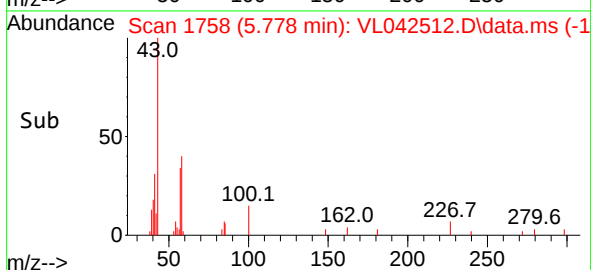
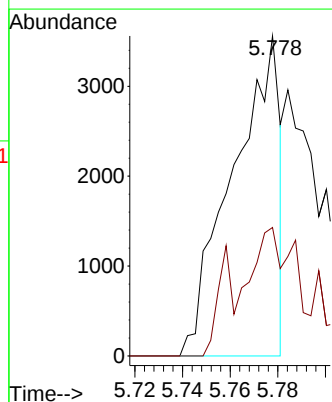
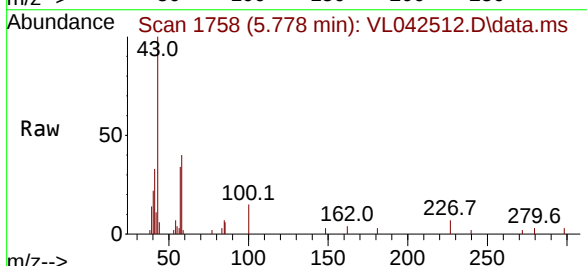
Acq: 07 May 2025 11:37

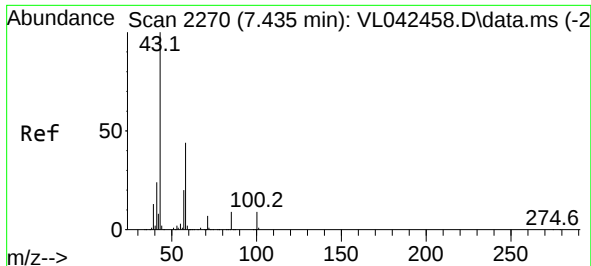
Tgt Ion: 43 Resp: 4899

Ion Ratio Lower Upper

43 100

58 64.0 29.5 44.3#

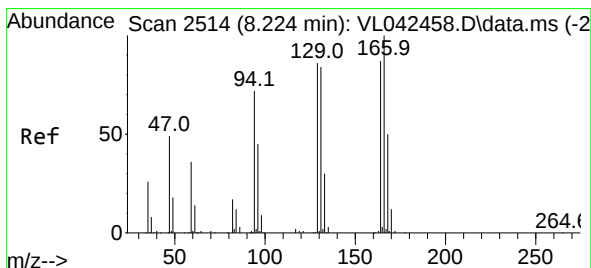
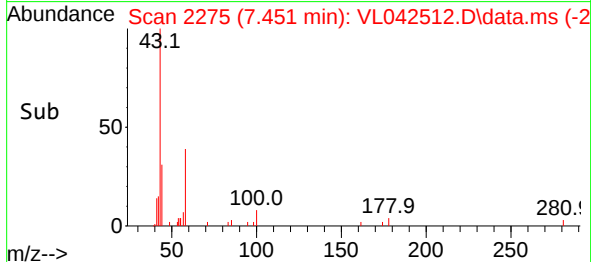
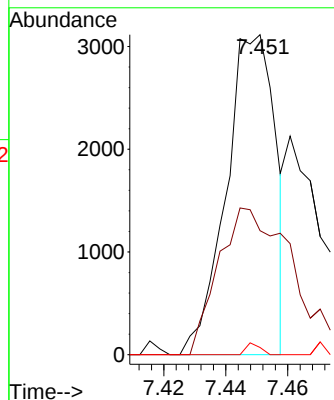
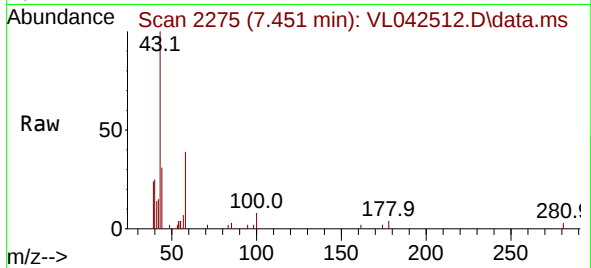




#51
2-Hexanone
Concen: 0.221 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

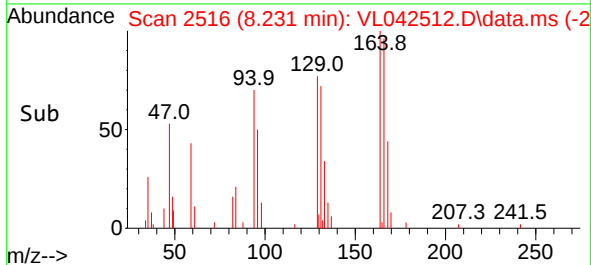
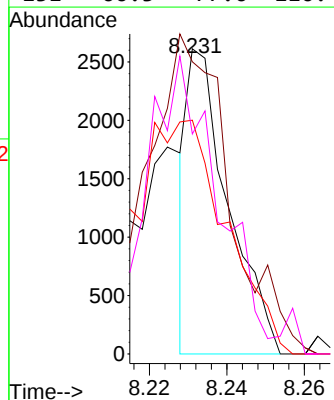
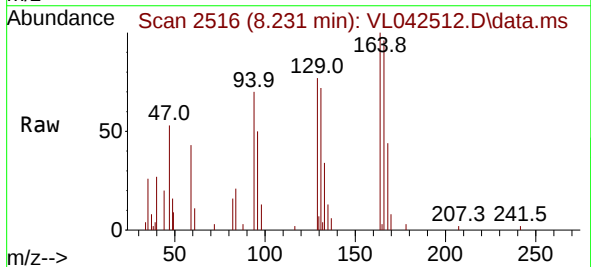
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

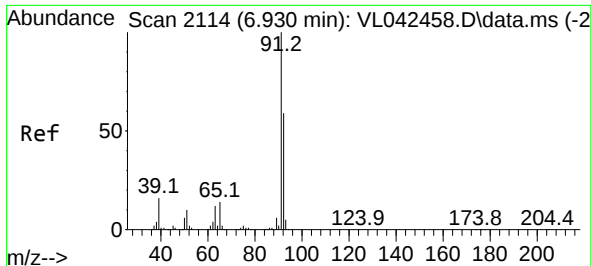
Tgt Ion: 43 Resp: 3448
Ion Ratio Lower Upper
43 100
58 73.8 37.2 55.8#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.248 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 164 Resp: 1897
Ion Ratio Lower Upper
164 100
166 81.8 91.6 137.4#
129 73.0 79.0 118.4#
131 66.3 77.6 116.4#

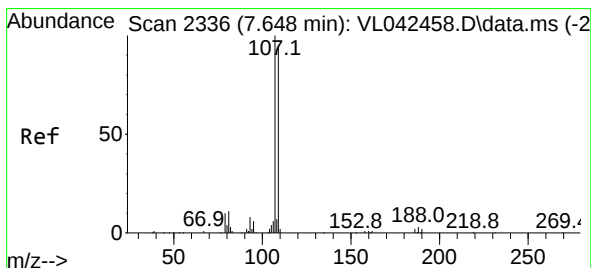
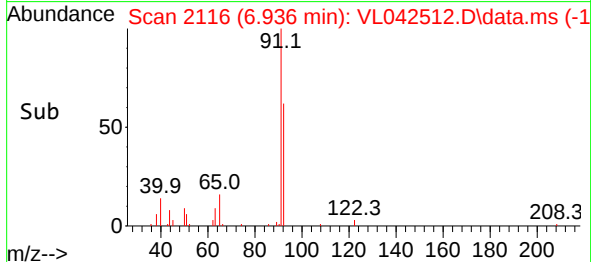
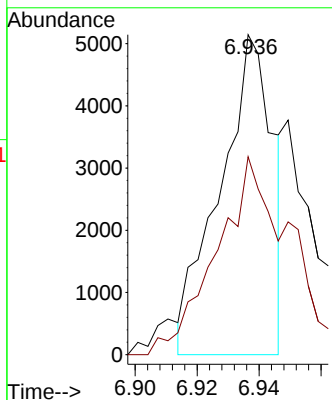
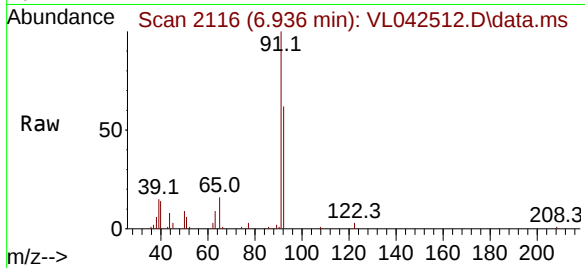




#53
Toluene
Concen: 0.287 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

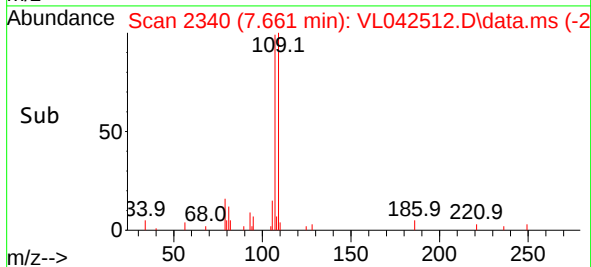
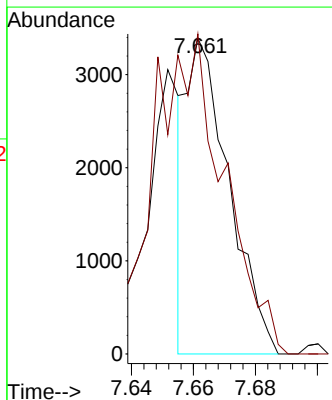
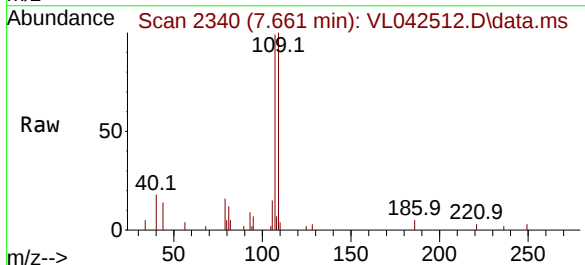
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

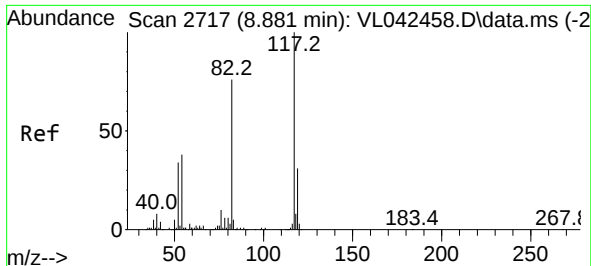
Tgt Ion: 91 Resp: 6110
Ion Ratio Lower Upper
91 100
92 87.5 47.9 71.9#



#54
1,2-Dibromoethane
Concen: 0.255 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 107 Resp: 3227
Ion Ratio Lower Upper
107 100
109 98.3 76.0 114.0

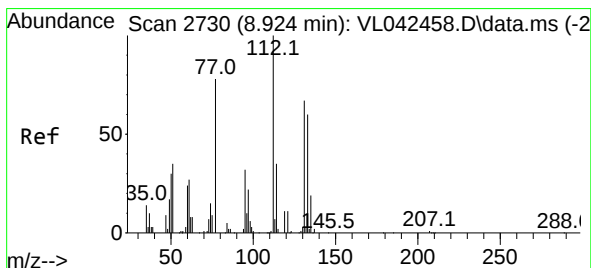
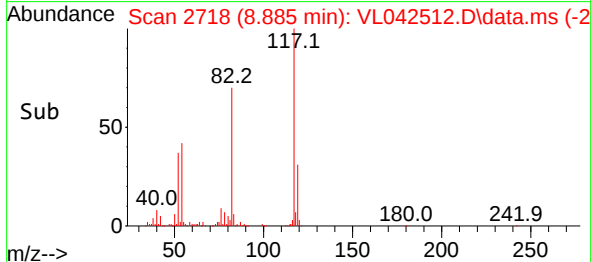
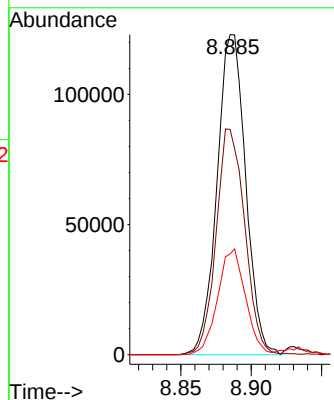
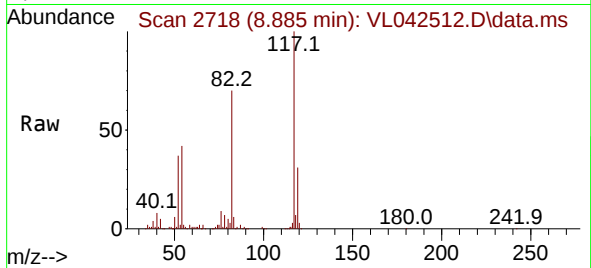




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

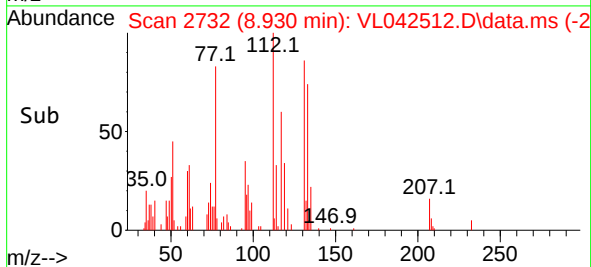
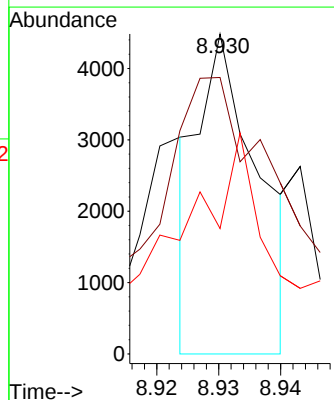
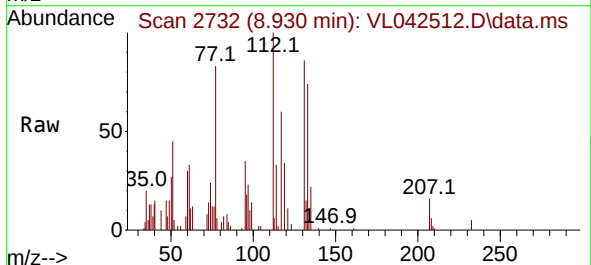
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion:117 Resp: 174659
Ion Ratio Lower Upper
117 100
82 70.6 63.5 95.3
119 33.9 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.289 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:131 Resp: 2981
Ion Ratio Lower Upper
131 100
133 192.5 76.0 114.0#
119 0.0 46.1 69.1#





#57

Chlorobenzene

Concen: 0.515 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

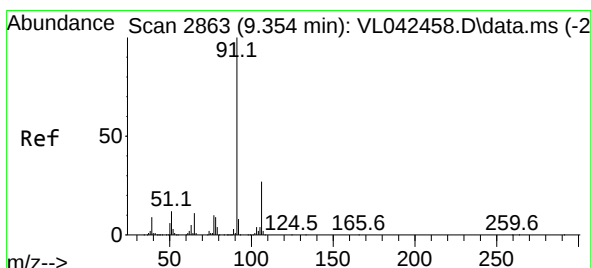
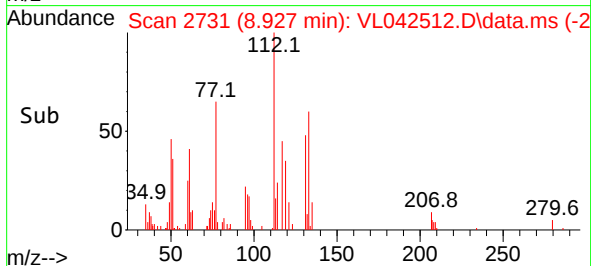
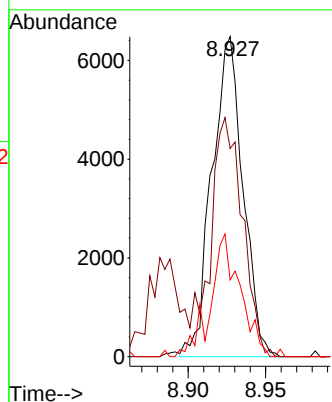
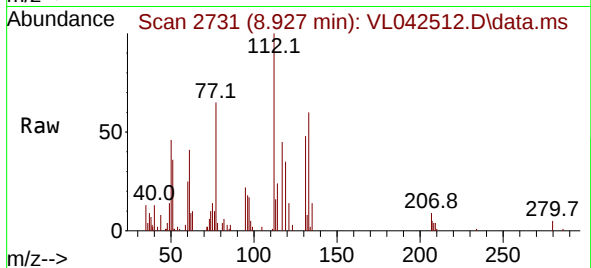
Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

Tgt Ion:	112	Resp:	9037
Ion Ratio	Lower	Upper	
112	100		
77	65.1	65.0	97.4
114	21.8	27.5	33.7#



#58

Ethyl Benzene

Concen: 0.356 ppbv

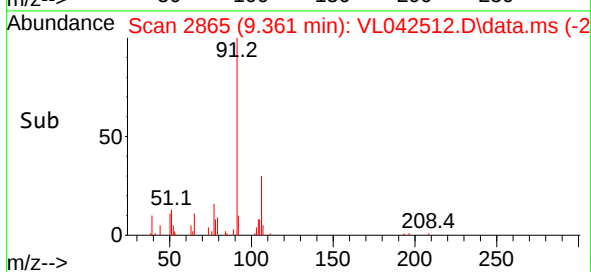
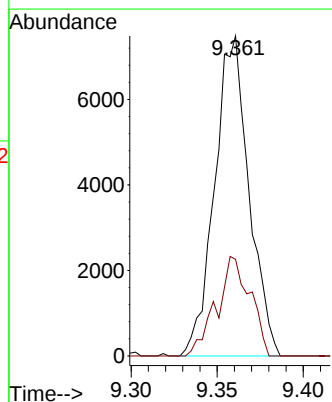
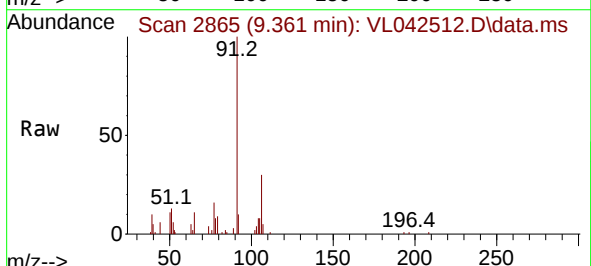
RT: 9.361 min Scan# 2865

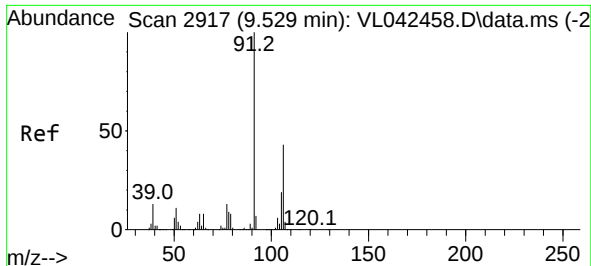
Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Tgt Ion:	91	Resp:	10381
Ion Ratio	Lower	Upper	
91	100		
106	30.2	21.9	32.9





#59

m/p-Xylene

Concen: 0.282 ppbv

RT: 9.539 min Scan# 2917

Delta R.T. 0.010 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

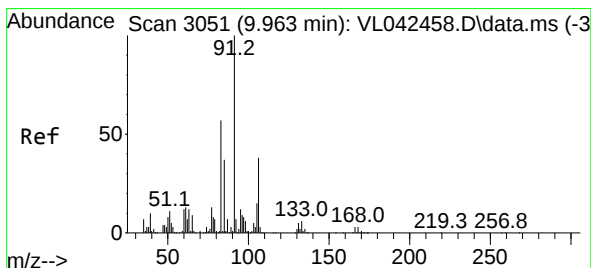
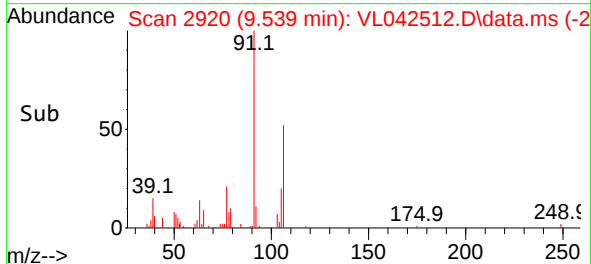
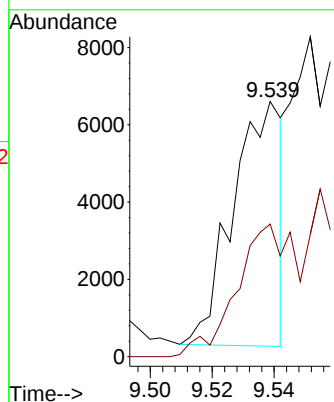
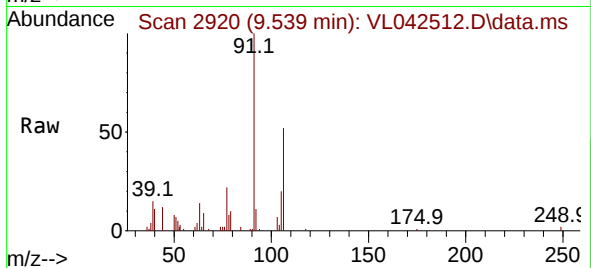
MDL1 0.45

Tgt Ion: 91 Resp: 6907

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 0.168 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042512.D

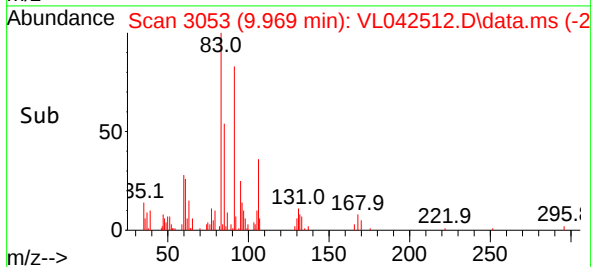
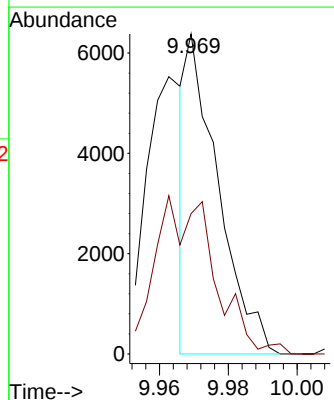
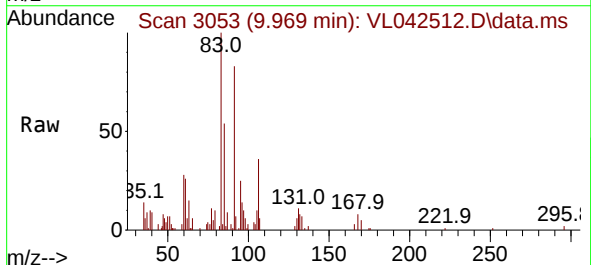
Acq: 07 May 2025 11:37

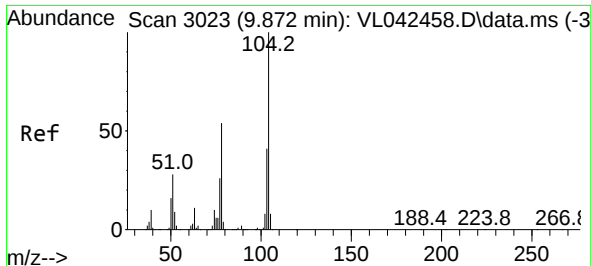
Tgt Ion: 91 Resp: 4119

Ion Ratio Lower Upper

91 100

106 0.0 20.1 60.2#

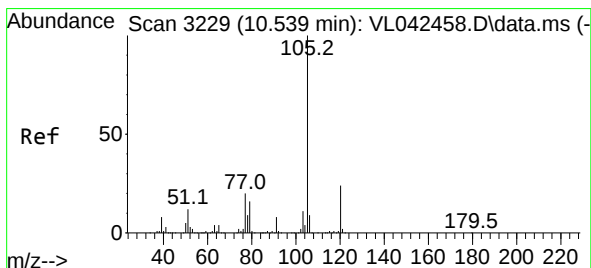
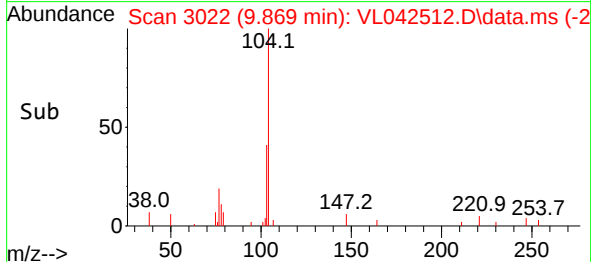
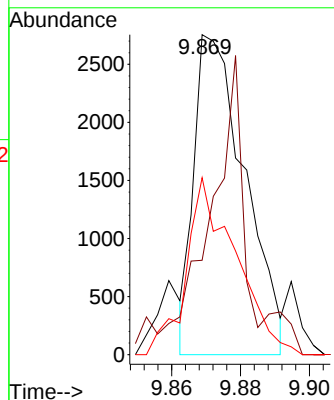
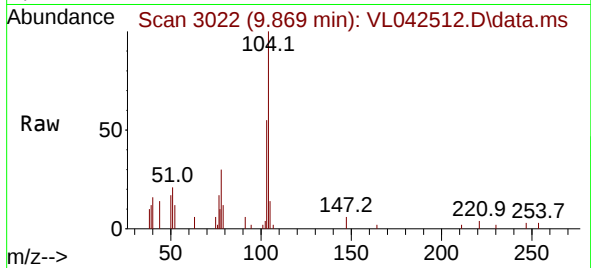




#61
Styrene
Concen: 0.308 ppbv
RT: 9.869 min Scan# 3023
Delta R.T. -0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

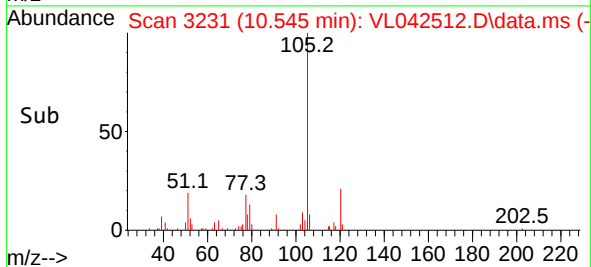
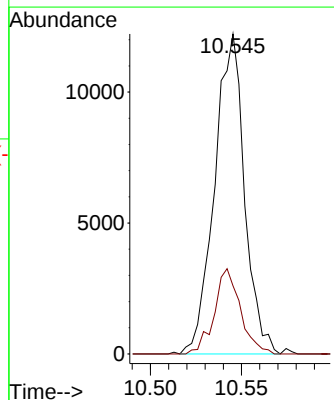
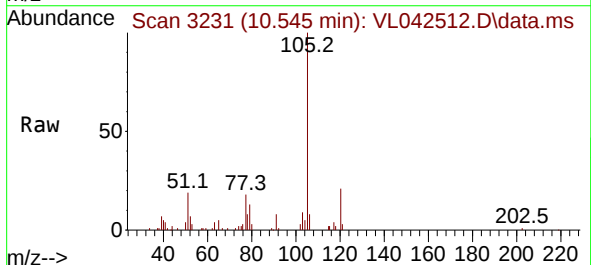
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

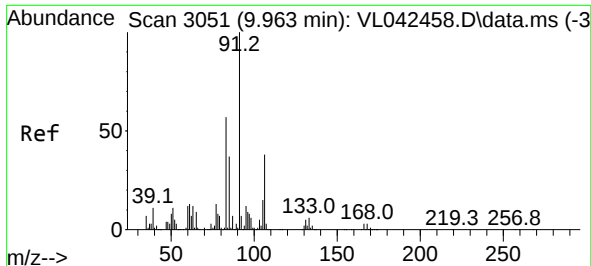
Tgt Ion:104 Resp: 2818
Ion Ratio Lower Upper
104 100
78 69.7 46.9 70.3
103 54.0 36.6 55.0



#62
Isopropylbenzene
Concen: 0.394 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:105 Resp: 13940
Ion Ratio Lower Upper
105 100
120 23.3 18.8 28.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.526 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

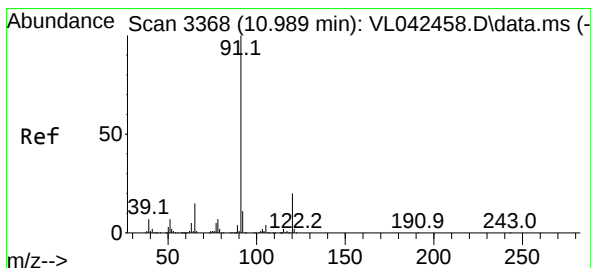
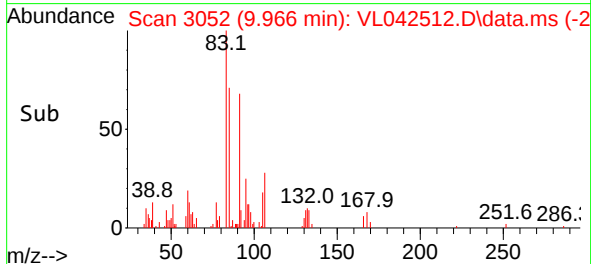
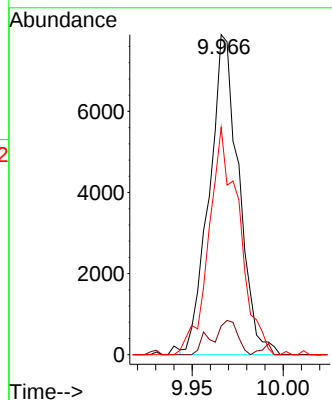
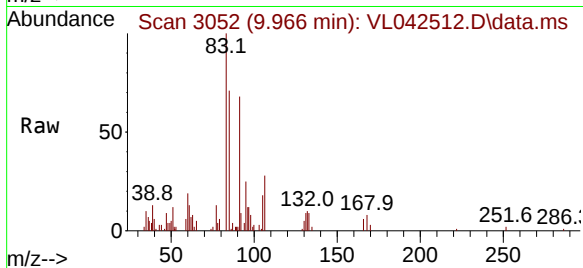
Tgt Ion: 83 Resp: 8887

Ion Ratio Lower Upper

83 100

131 10.3 4.7 14.1

85 73.5 32.5 97.4



#64

n-propylbenzene

Concen: 0.376 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.007 min

Lab File: VL042512.D

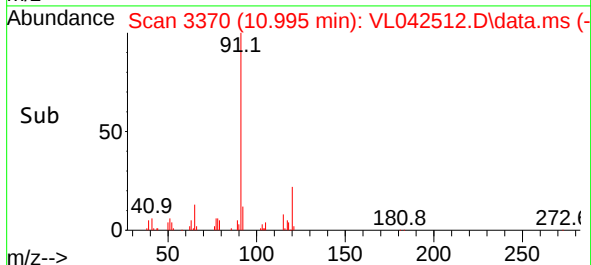
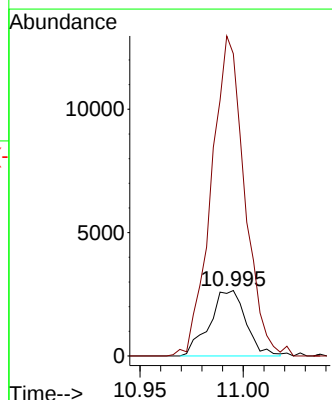
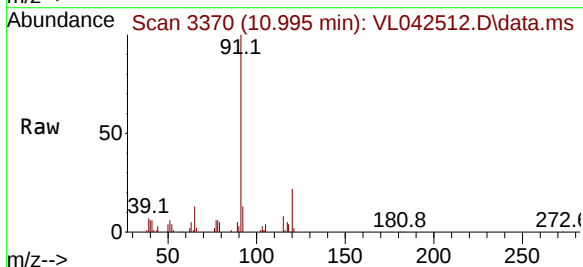
Acq: 07 May 2025 11:37

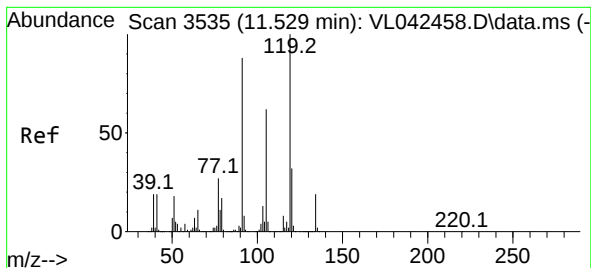
Tgt Ion: 120 Resp: 3244

Ion Ratio Lower Upper

120 100

91 450.6 408.6 612.8





#65

tert-Butylbenzene

Concen: 0.317 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

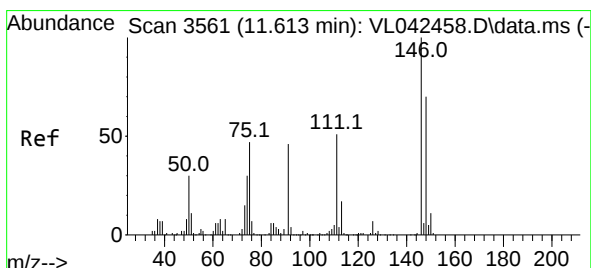
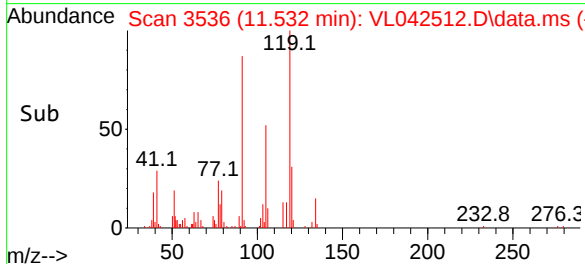
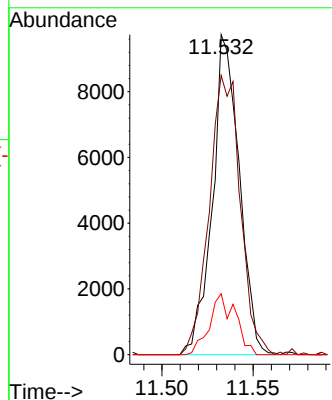
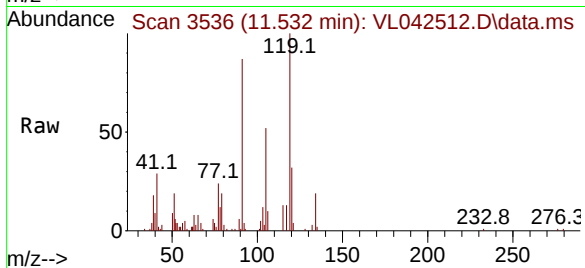
Tgt Ion:119 Resp: 9987

Ion Ratio Lower Upper

119 100

91 101.2 71.6 107.4

134 18.4 15.0 22.4



#66

Benzyl Chloride

Concen: 0.482 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

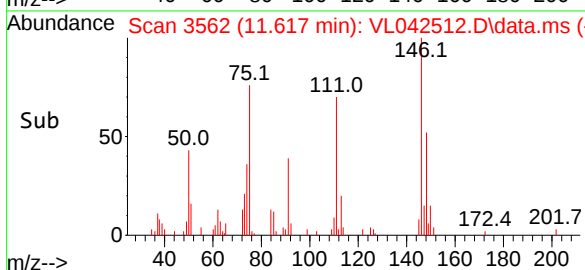
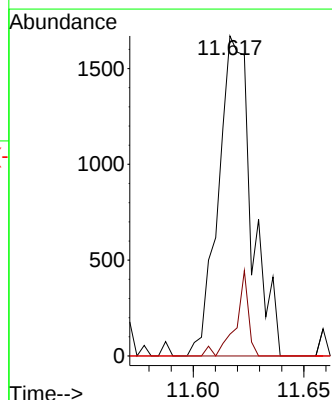
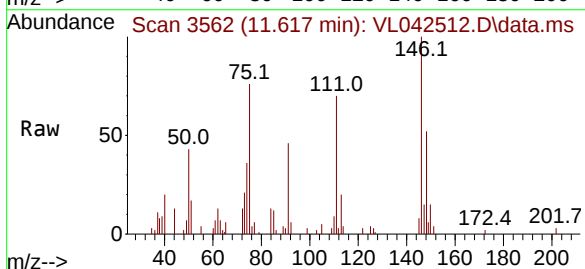
Tgt Ion: 91 Resp: 1758

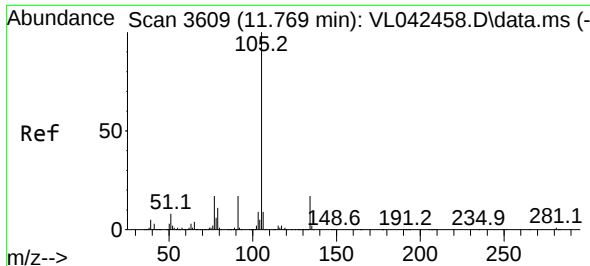
Ion Ratio Lower Upper

91 100

126 9.9 13.3 19.9#

128 0.0 4.2 6.4#

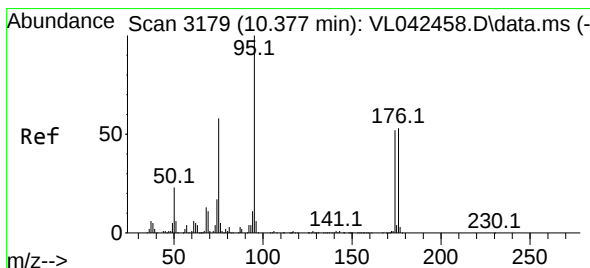
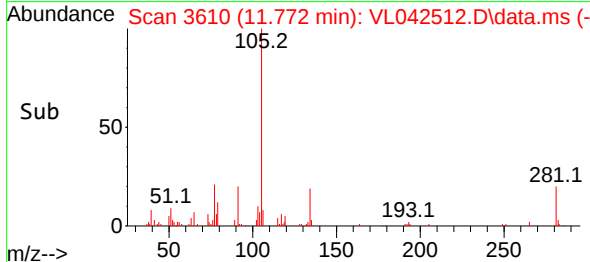
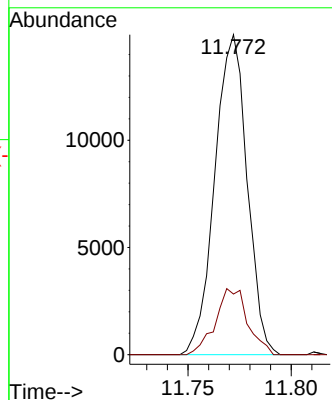
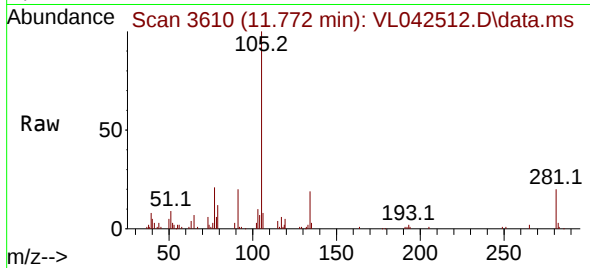




#67
 sec-Butylbenzene
 Concen: 0.362 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

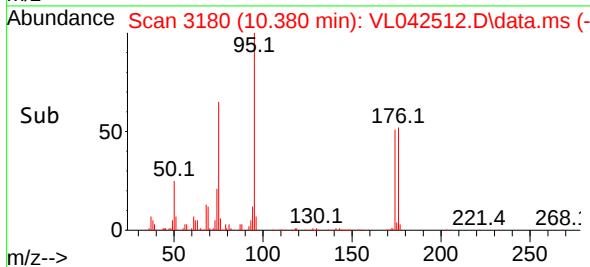
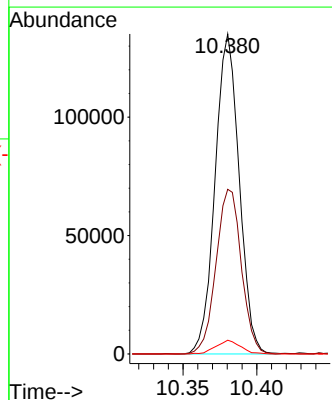
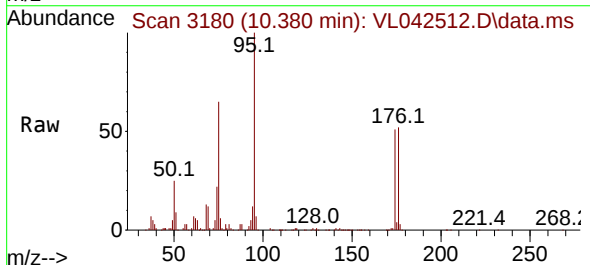
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

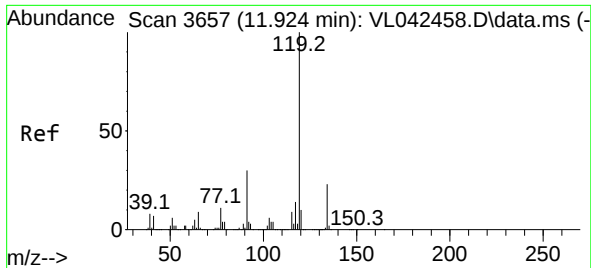
Tgt Ion:105 Resp: 16239
 Ion Ratio Lower Upper
 105 100
 134 20.6 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.489 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Tgt Ion: 95 Resp: 153655
 Ion Ratio Lower Upper
 95 100
 174 54.0 42.7 64.1
 175 4.3 3.6 5.4

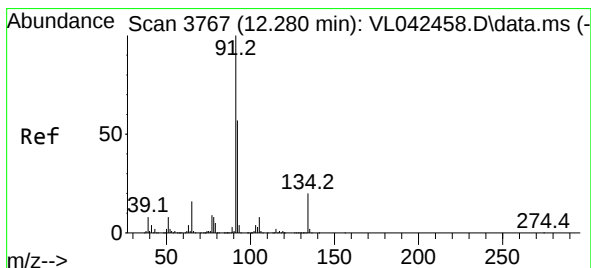
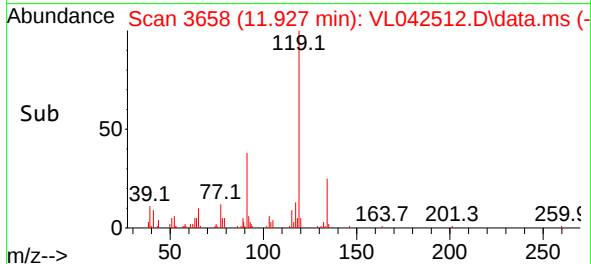
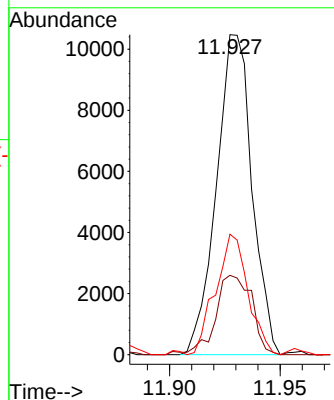
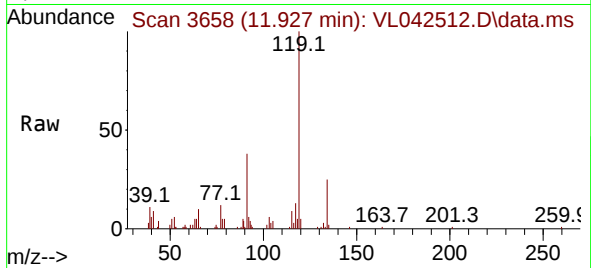




#69
p-Isopropyltoluene
Concen: 0.311 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

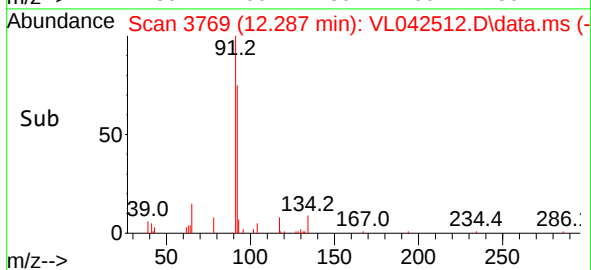
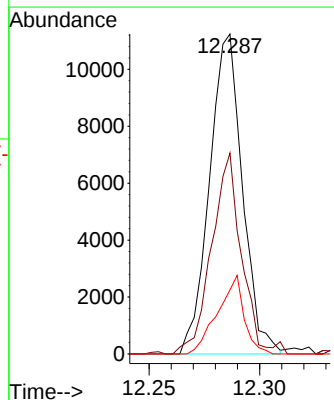
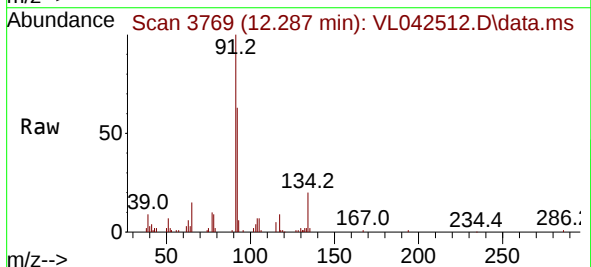
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

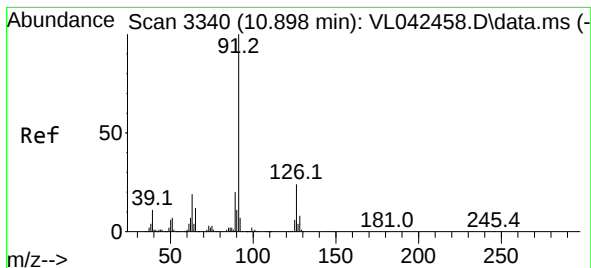
Tgt Ion:	119	Resp:	11728
Ion	Ratio	Lower	Upper
119	100		
134	25.6	19.0	28.4
91	36.9	25.5	38.3



#70
n-Butylbenzene
Concen: 0.298 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:	91	Resp:	11644
Ion	Ratio	Lower	Upper
91	100		
92	57.7	44.0	66.0
134	19.6	16.8	25.2

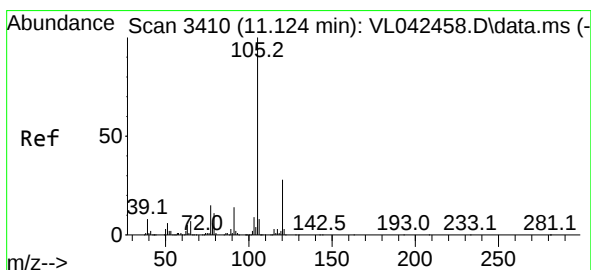
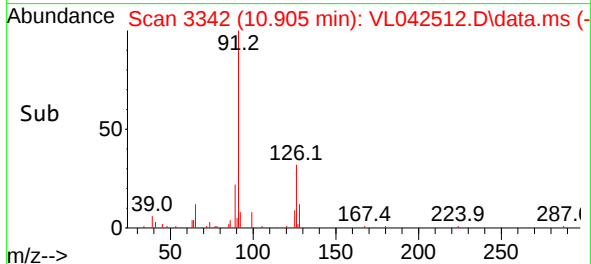
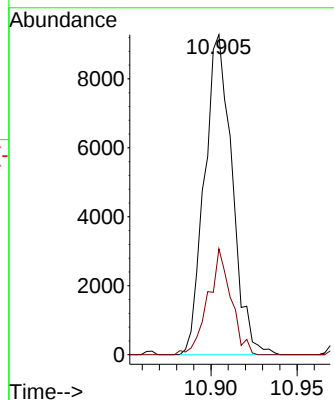
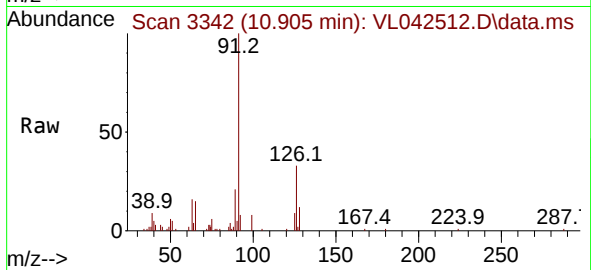




#71
2-Chlorotoluene
Concen: 0.374 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

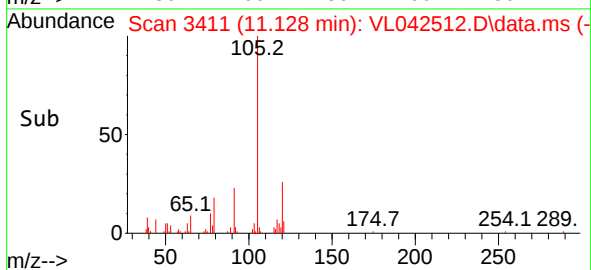
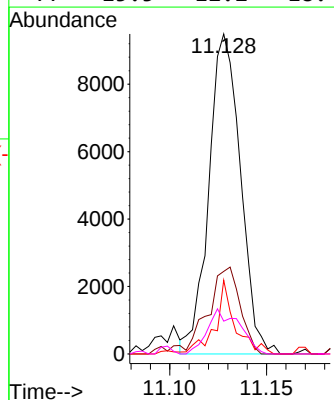
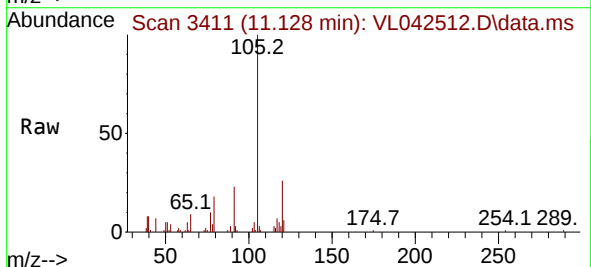
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

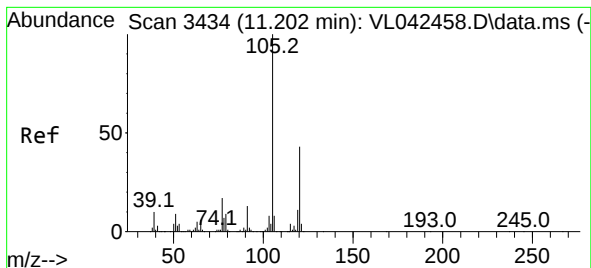
Tgt Ion: 91 Resp: 10356
Ion Ratio Lower Upper
91 100
126 27.6 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.373 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 105 Resp: 10768
Ion Ratio Lower Upper
105 100
120 28.9 22.0 33.0
91 15.0 11.2 16.8
77 15.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.349 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

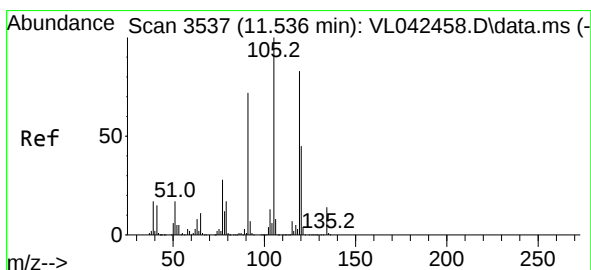
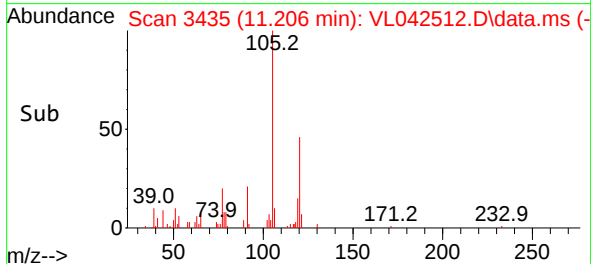
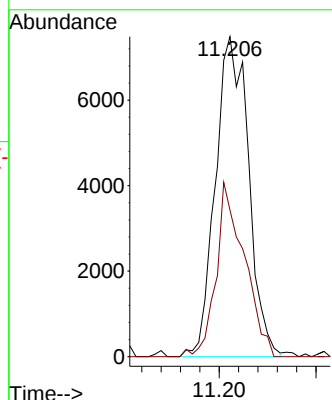
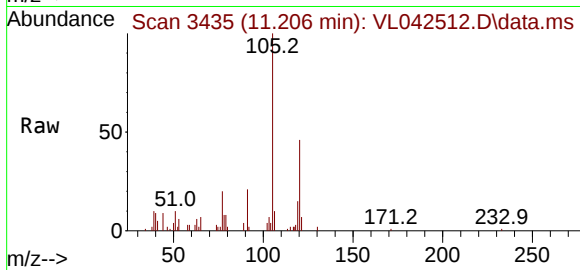
MDL1 0.45

Tgt Ion:105 Resp: 8874

Ion Ratio Lower Upper

105 100

120 45.8 34.4 51.6



#74

1,2,4-Trimethylbenzene

Concen: 0.332 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Tgt Ion:105 Resp: 10209

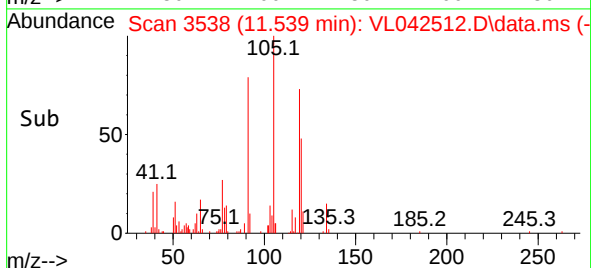
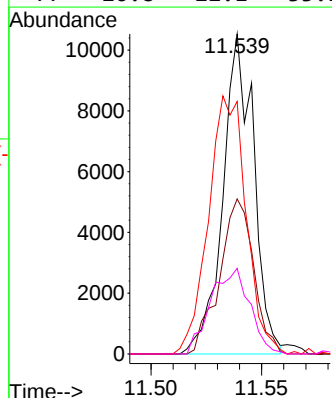
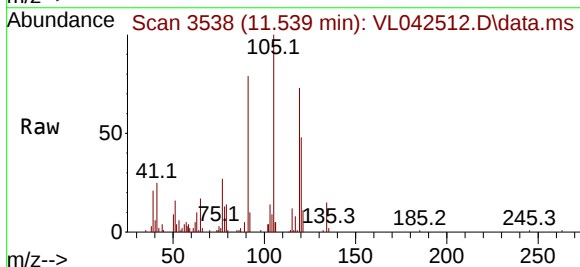
Ion Ratio Lower Upper

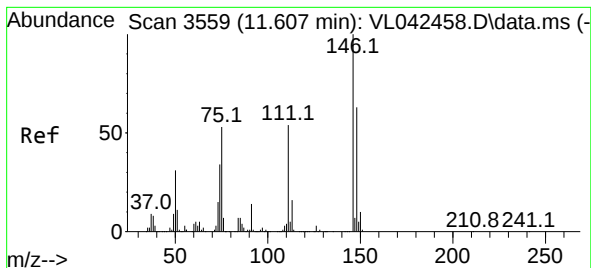
105 100

120 48.4 36.1 54.1

91 77.4 57.6 86.4

77 26.8 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 0.437 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

MDL1 0.45

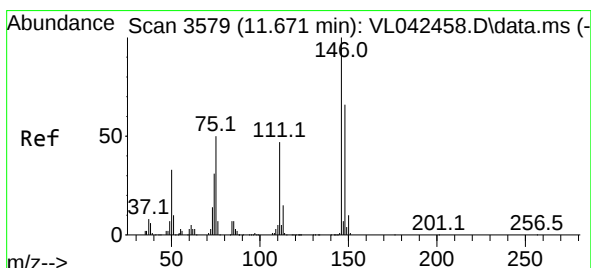
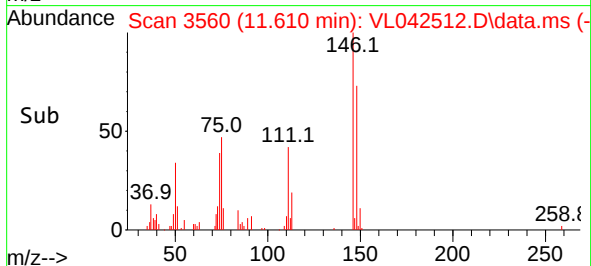
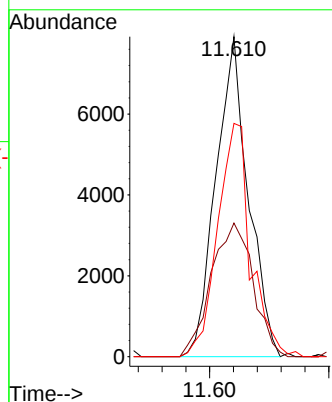
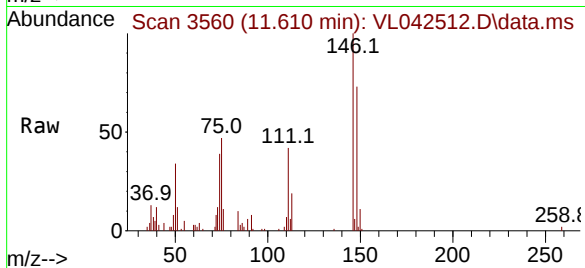
Tgt Ion:146 Resp: 7478

Ion Ratio Lower Upper

146 100

111 53.9 26.1 78.3

148 74.2 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 0.465 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

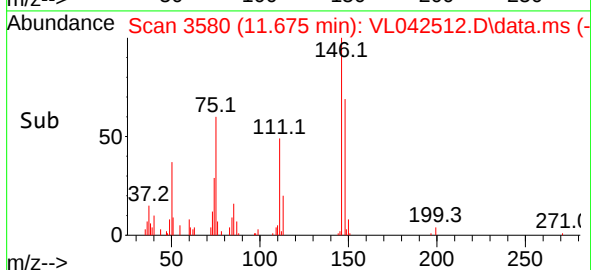
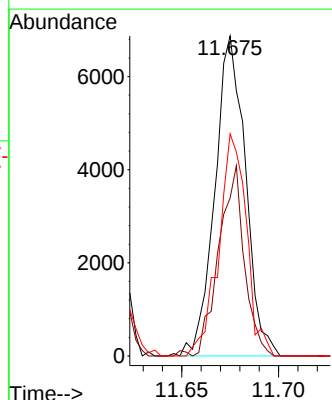
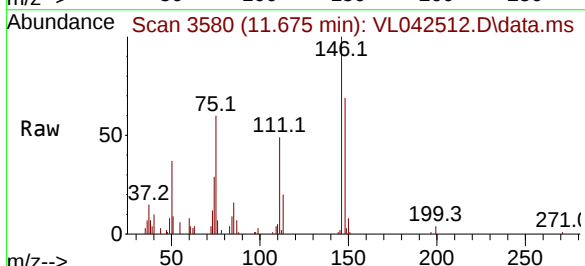
Tgt Ion:146 Resp: 7534

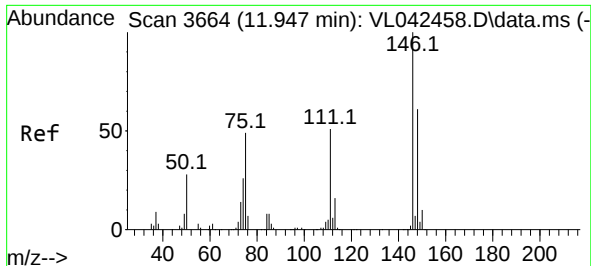
Ion Ratio Lower Upper

146 100

111 50.0 24.4 73.2

148 63.2 32.0 96.2

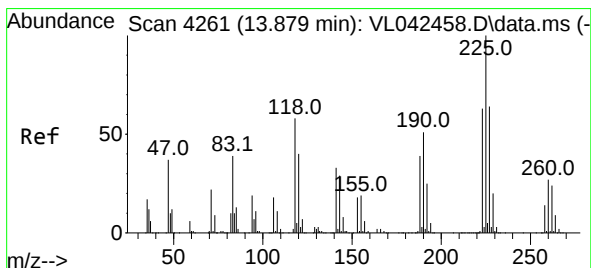
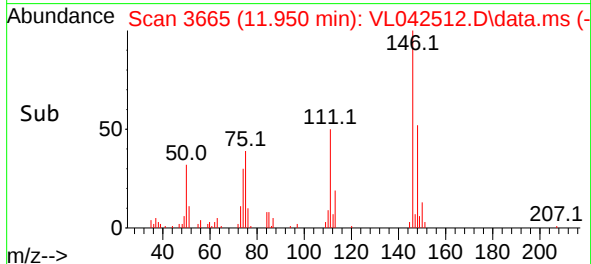
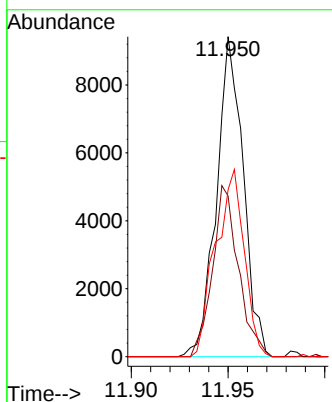
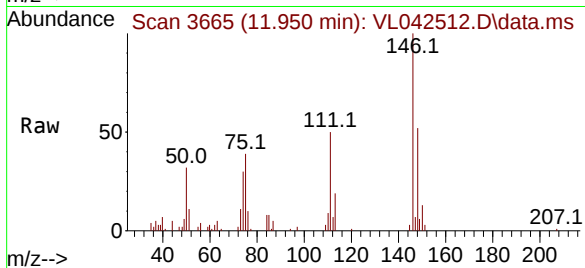




#77
 1,2-Dichlorobenzene
 Concen: 0.541 ppbv
 RT: 11.950 min Scan# 3665
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

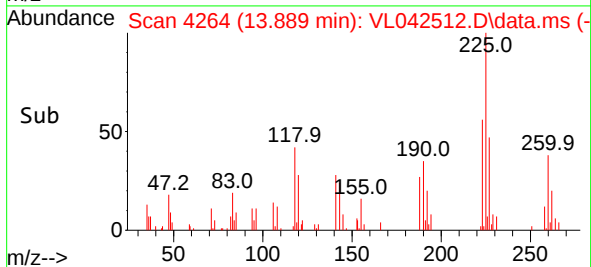
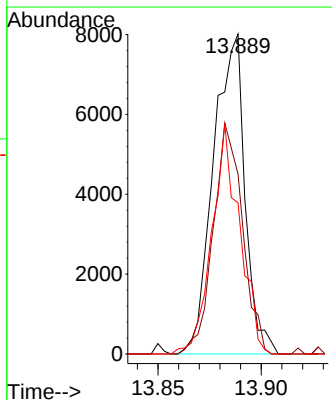
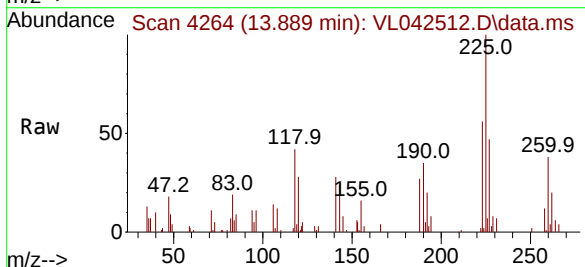
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

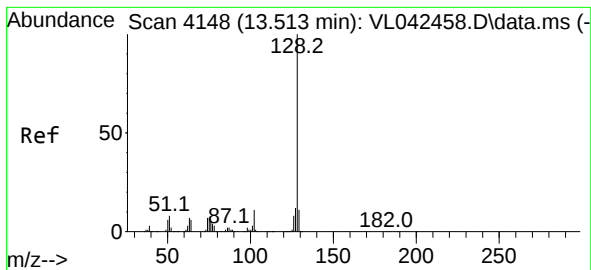
Tgt Ion:	146	Resp:	9067
Ion Ratio	Lower	Upper	
146	100		
111	51.6	26.5	79.5
148	62.5	31.5	94.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.509 ppbv
 RT: 13.889 min Scan# 4264
 Delta R.T. 0.010 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Tgt Ion:	225	Resp:	8513
Ion Ratio	Lower	Upper	
225	100		
223	67.7	50.2	75.4
227	62.9	51.2	76.8





#79

Naphthalene

Concen: 0.247 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

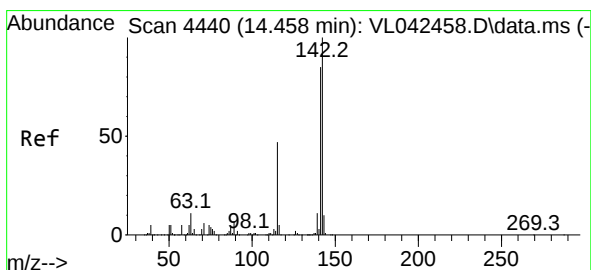
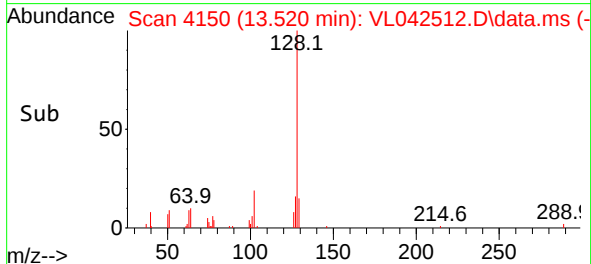
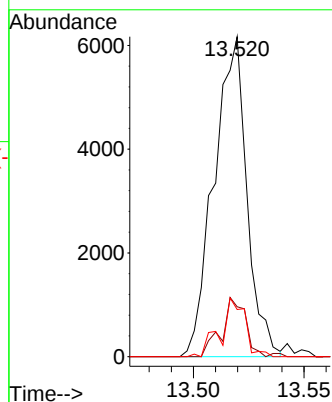
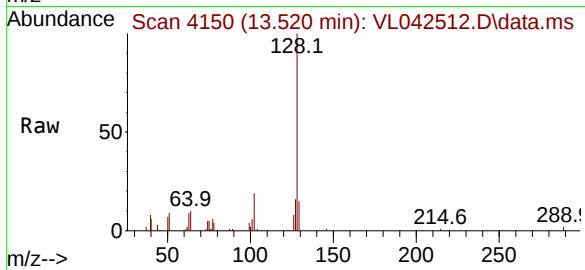
Tgt Ion:128 Resp: 6381

Ion Ratio Lower Upper

128 100

127 15.6 9.7 14.5#

129 14.8 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.116 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

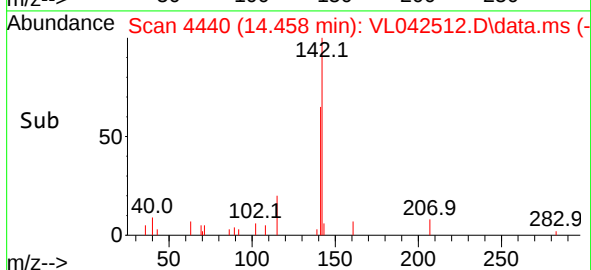
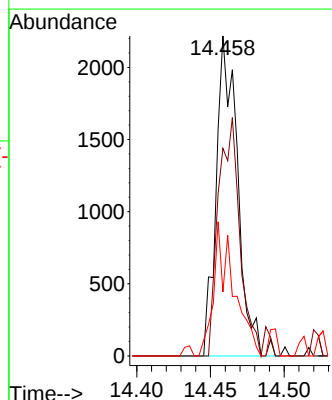
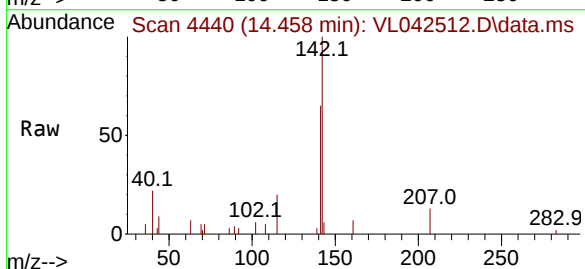
Tgt Ion:142 Resp: 2236

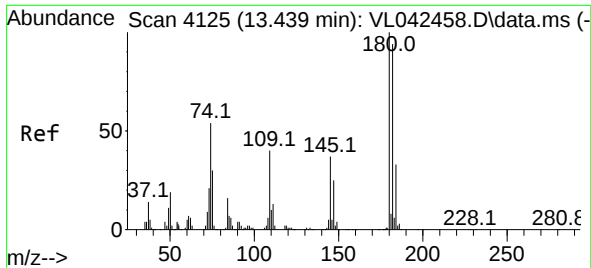
Ion Ratio Lower Upper

142 100

141 76.9 67.4 101.0

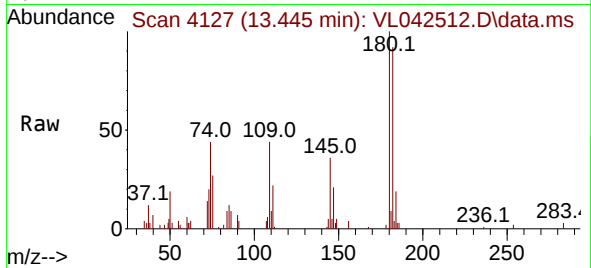
115 43.5 36.9 55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.304 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



Tgt Ion:	180	Resp:	4198
Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.6	111.8
184	25.2	24.9	37.3

