

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042502.D
 Acq On : 06 May 2025 18:07
 Operator : SY/MD
 Sample : MDL2 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

Quant Time: May 07 01:44:55 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	2.797	49	69752	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	178512	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	146916	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	140214	10.294	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.502	85	5685	0.493	ppbv 97
3) Chlorodifluoromethane	1.479	51	6200	0.508	ppbv 98
4) Chloromethane	1.538	50	2651	0.549	ppbv # 79
5) Vinyl Chloride	1.586	62	2443	0.503	ppbv 93
6) Bromomethane	1.674	94	1474	0.642	ppbv 93
7) Chloroethane	1.709	64	824	0.459	ppbv # 48
8) Dichlorotetrafluoroethane	1.557	85	5055	0.531	ppbv 99
9) Propene	1.489	41	1391	0.348	ppbv # 80
10) Heptane	5.001	43	1268	0.122	ppbv # 26
11) Trichlorofluoromethane	1.881	101	5836	0.548	ppbv 98
12) 1,1,2-Trichlorotrifluo...	2.146	101	4694	0.552	ppbv 97
13) Ethanol	1.729	45	416	0.514	ppbv # 1
14) Bromoethene	1.787	108	1727	0.550	ppbv # 88
15) Acetone	1.842	43	8139	0.639	ppbv # 89
16) 1,3-Butadiene	1.612	39	3162	0.563	ppbv 88
17) tert-Butyl alcohol	2.052	59	4846	0.432	ppbv # 82
18) 1,1-Dichloroethene	2.039	96	1985	0.500	ppbv 92
19) Isopropyl Alcohol	1.894	45	4014	0.570	ppbv # 86
20) Methylene Chloride	2.072	84	2565	0.670	ppbv # 76
21) Allyl Chloride	2.101	41	3746	0.457	ppbv # 78
22) trans-1,2-Dichloroethene	2.350	96	2466	0.532	ppbv 82
23) Vinyl Acetate	2.473	43	2237	0.184	ppbv # 78
24) 1,1-Dichloroethane	2.415	63	4763	0.503	ppbv # 92
25) Ethyl Acetate	2.855	43	5873	0.288	ppbv # 91
26) Hexane	2.835	57	2762	0.311	ppbv # 73
27) Carbon Disulfide	2.156	76	4576	0.441	ppbv # 35
28) Methyl tert-Butyl Ether	2.447	73	2220	0.416	ppbv # 74
29) Chloroform	2.855	83	8064	0.484	ppbv 90
30) Cyclohexane	3.881	84	704	0.095	ppbv # 1
31) cis-1,2-Dichloroethene	2.732	61	3862	0.373	ppbv 97
32) 1,1,1-Trichloroethane	3.379	97	4342	0.240	ppbv # 43
34) 2-Butanone	2.570	43	5435	0.421	ppbv 96
35) Carbon Tetrachloride	3.771	117	8190	0.505	ppbv # 55
36) Benzene	3.671	78	6225	0.370	ppbv # 92
37) 1,2-Dichloroethane	3.230	62	5877	0.453	ppbv 100
38) Trichloroethene	4.561	130	3444	0.536	ppbv # 79
39) 1,2-Dichloropropane	4.328	63	2088	0.331	ppbv 95
40) 1,4-Dioxane	4.638	88	95	0.032	ppbv # 100
41) Tetrahydrofuran	3.075	42	1351	0.220	ppbv # 46
42) Bromodichloromethane	4.509	83	7218	0.455	ppbv # 86
43) Methyl Methacrylate	4.910	69	590	0.094	ppbv # 1
44) 2,2,4-Trimethylpentane	4.658	57	2987	0.109	ppbv # 1
45) t-1,3-Dichloropropene	6.438	75	1285	0.156	ppbv # 77

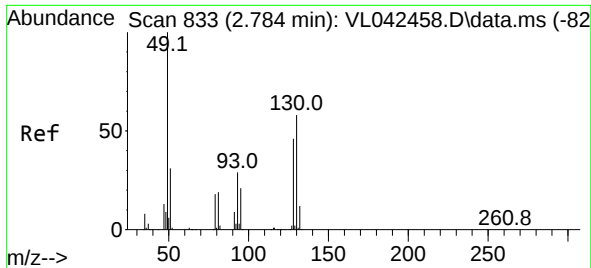
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
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Instrument :
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Quant Time: May 07 01:44:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD 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)
46) cis-1,3-Dichloropropene	5.625	75	517	0.053	ppbv #	49
47) 1,1,2-Trichloroethane	6.616	97	540	0.078	ppbv #	26
48) Dibromochloromethane	7.402	129	3822	0.327	ppbv	64
49) Bromoform	9.493	173	3723	0.380	ppbv	98
50) 4-Methyl-2-Pentanone	5.781	43	1455	0.089	ppbv #	1
51) 2-Hexanone	7.474	43	1239	0.095	ppbv #	31
52) Tetrachloroethene	8.244	164	2527	0.394	ppbv #	80
53) Toluene	6.972	91	615	0.034	ppbv #	21
54) 1,2-Dibromoethane	7.674	107	1925	0.182	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.937	131	4485	0.517	ppbv #	61
57) Chlorobenzene	8.940	112	3141	0.213	ppbv #	94
58) Ethyl Benzene	9.552	91	1583	0.064	ppbv	99
59) m/p-Xylene	9.545	91	3942	0.192	ppbv #	33
60) o-Xylene	9.972	91	5683	0.276	ppbv	96
61) Styrene	9.885	104	1065	0.138	ppbv #	20
62) Isopropylbenzene	10.548	105	8884	0.299	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	9.979	83	7339	0.517	ppbv	92
64) n-propylbenzene	10.998	120	2029	0.279	ppbv	86
65) tert-Butylbenzene	11.542	119	6663	0.251	ppbv	99
66) Benzyl Chloride	11.629	91	687	0.224	ppbv #	67
67) sec-Butylbenzene	11.778	105	11045	0.293	ppbv	100
69) p-Isopropyltoluene	11.937	119	7712	0.243	ppbv	97
70) n-Butylbenzene	12.293	91	8444	0.257	ppbv	99
71) 2-Chlorotoluene	10.911	91	7493	0.321	ppbv	96
72) 4-Ethyltoluene	11.134	105	6341	0.261	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.215	105	6099	0.285	ppbv #	75
74) 1,2,4-Trimethylbenzene	11.545	105	7236	0.280	ppbv	88
75) 1,3-Dichlorobenzene	11.620	146	5936	0.412	ppbv	90
76) 1,4-Dichlorobenzene	11.684	146	5050	0.371	ppbv	96
77) 1,2-Dichlorobenzene	11.960	146	6571	0.466	ppbv	96
78) Hexachloro-1,3-Butadiene	13.892	225	7279	0.517	ppbv	96
80) Naphthalene,2-methyl-	14.471	142	1321	0.082	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.452	180	1811	0.156	ppbv #	45

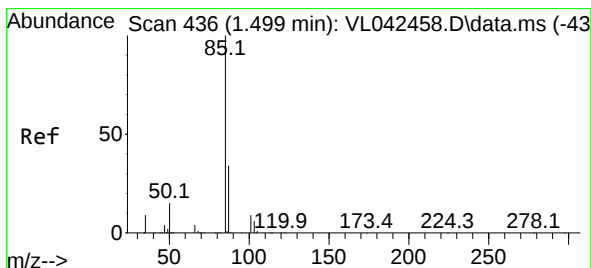
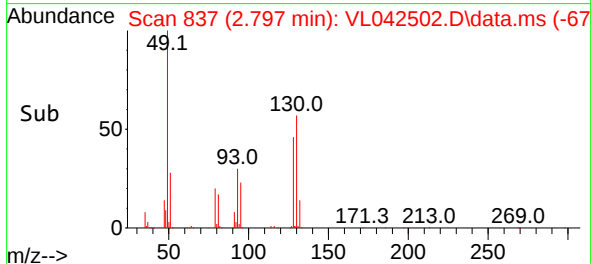
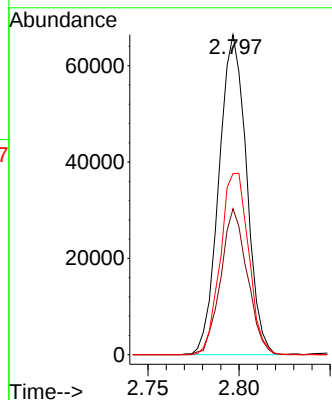
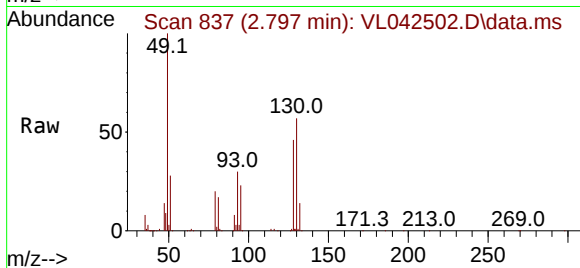
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. 0.013 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

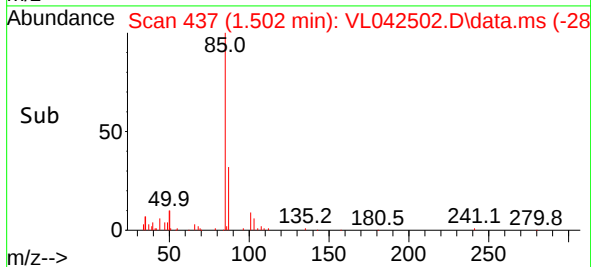
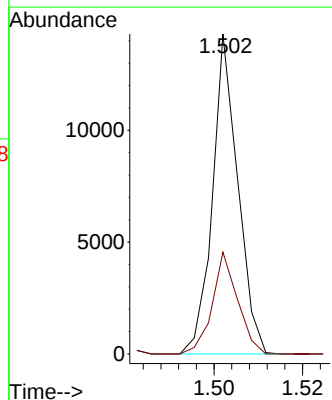
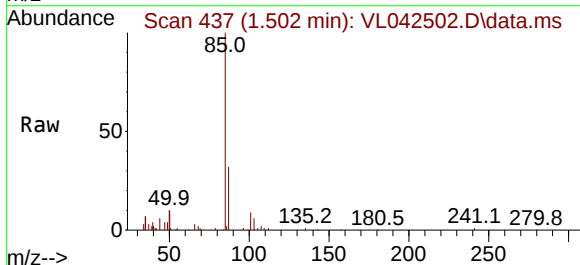
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

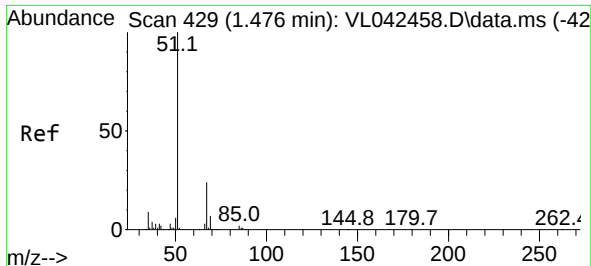
Tgt Ion: 49 Resp: 69752
 Ion Ratio Lower Upper
 49 100
 128 44.0 23.3 69.9
 130 58.2 29.5 88.6



#2
 Dichlorodifluoromethane
 Concen: 0.493 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 85 Resp: 5685
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.9 40.3

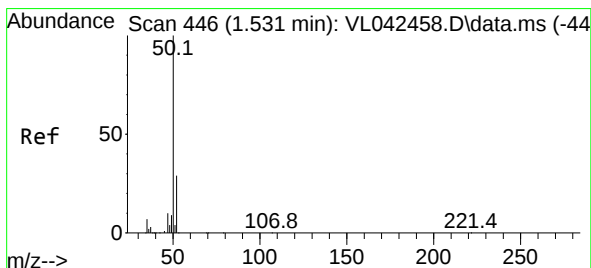
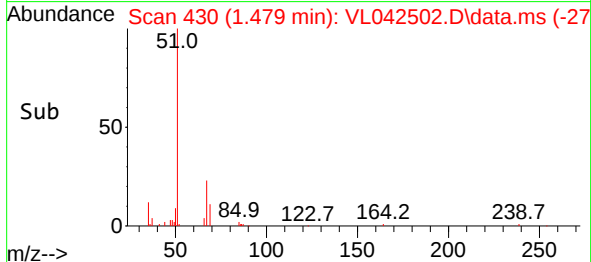
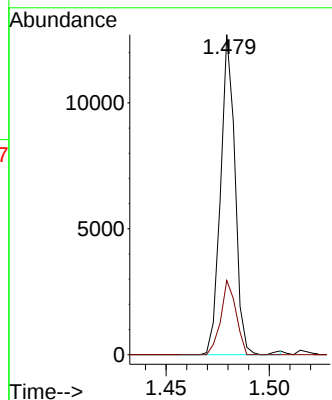
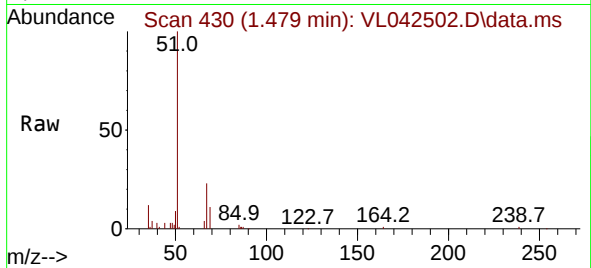




#3
Chlorodifluoromethane
Concen: 0.508 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

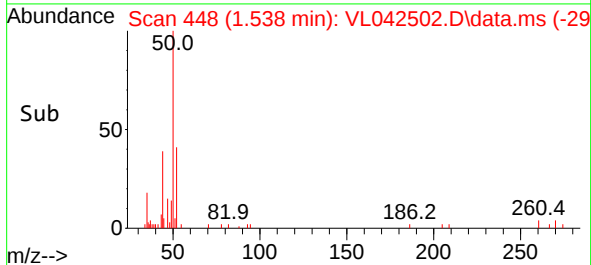
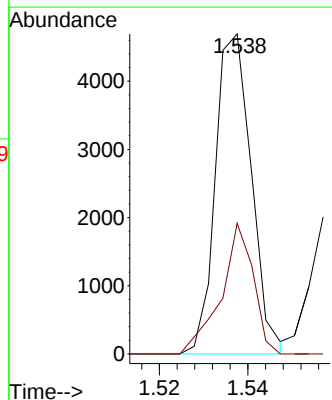
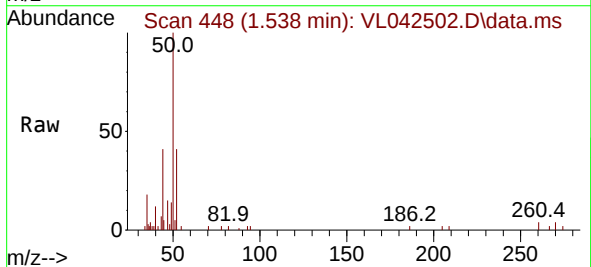
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

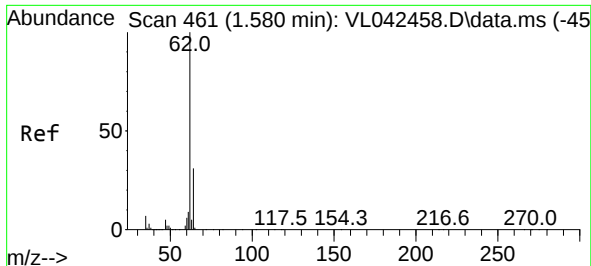
Tgt Ion: 51 Resp: 6200
Ion Ratio Lower Upper
51 100
67 24.2 18.4 27.6



#4
Chloromethane
Concen: 0.549 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.007 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 50 Resp: 2651
Ion Ratio Lower Upper
50 100
52 40.8 23.5 35.3#

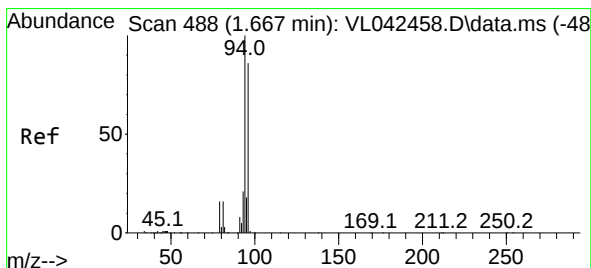
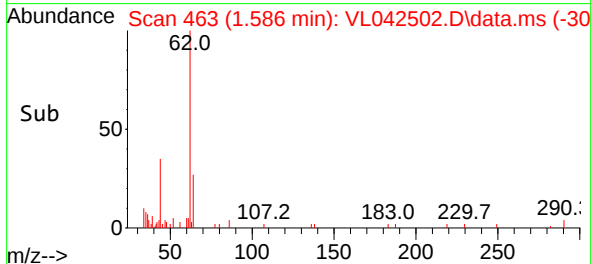
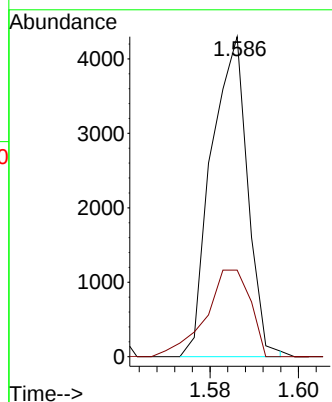
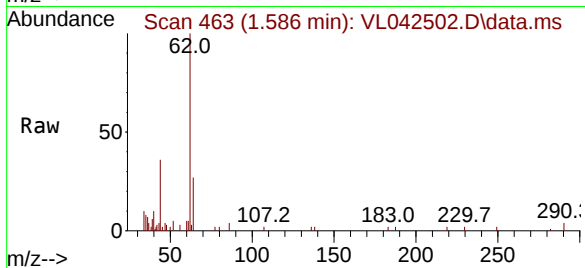




#5
 Vinyl Chloride
 Concen: 0.503 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.007 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

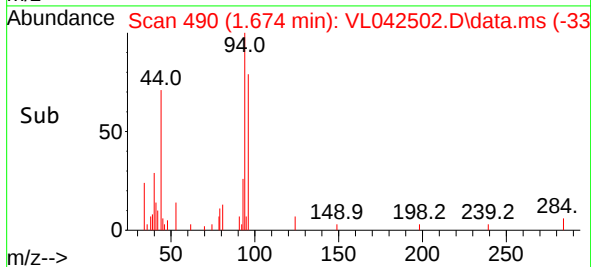
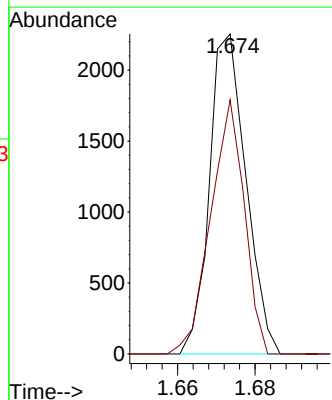
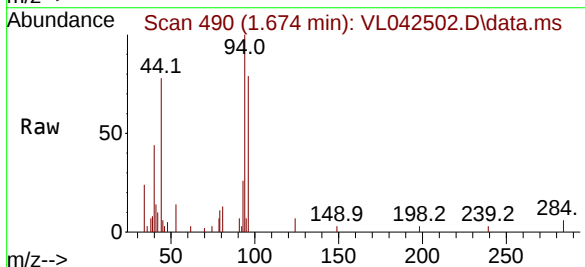
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

Tgt Ion: 62 Resp: 2443
 Ion Ratio Lower Upper
 62 100
 64 27.1 24.9 37.3



#6
 Bromomethane
 Concen: 0.642 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.007 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 94 Resp: 1474
 Ion Ratio Lower Upper
 94 100
 96 79.4 68.8 103.2

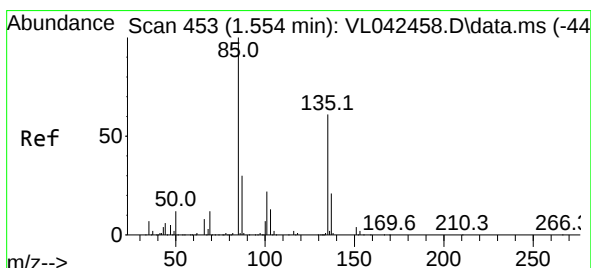
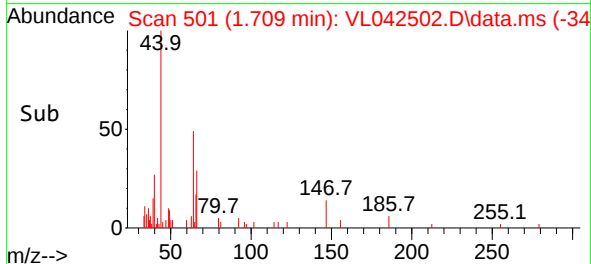
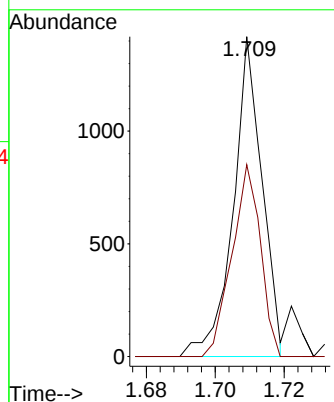
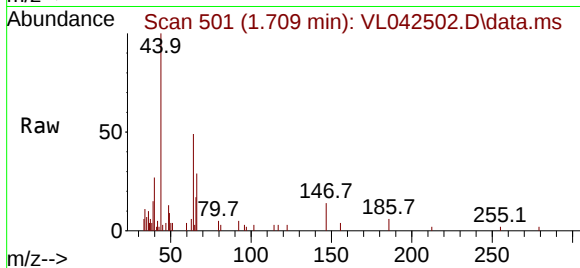




#7
Chloroethane
Concen: 0.459 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.007 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

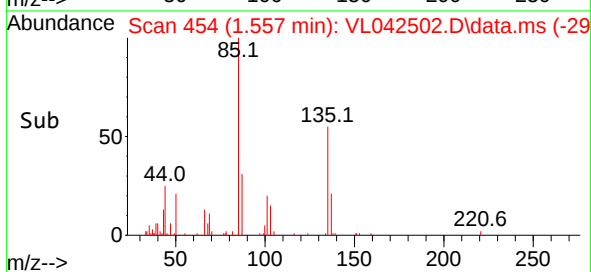
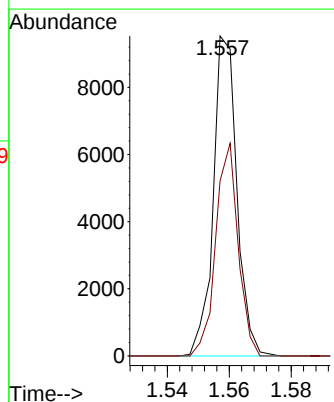
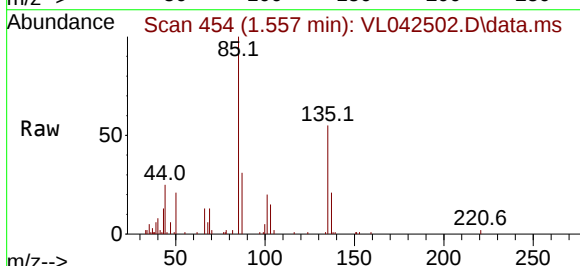
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MSVOA_L
ClientSampleId :
MDL2 0.40

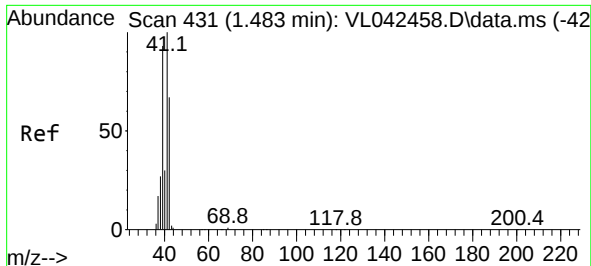
Tgt Ion: 64 Resp: 824
Ion Ratio Lower Upper
64 100
66 60.0 25.0 37.4#



#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 85 Resp: 5055
Ion Ratio Lower Upper
85 100
135 62.9 49.8 74.8





#9

Propene

Concen: 0.348 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

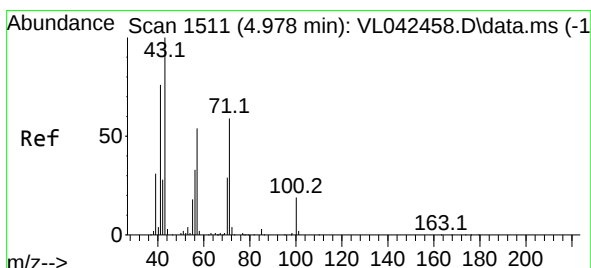
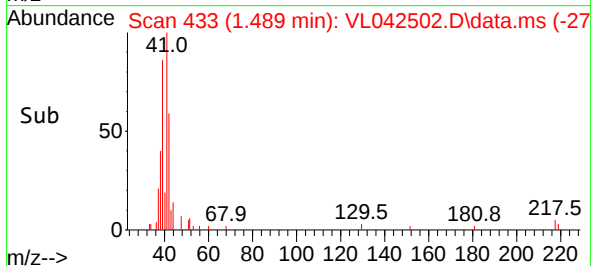
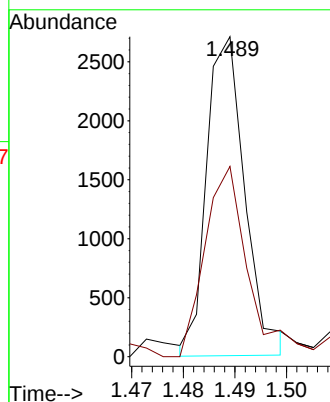
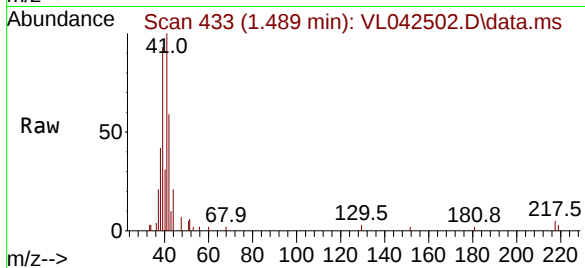
MDL2 0.40

Tgt Ion: 41 Resp: 1391

Ion Ratio Lower Upper

41 100

42 83.9 54.3 81.5#



#10

Heptane

Concen: 0.122 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. 0.023 min

Lab File: VL042502.D

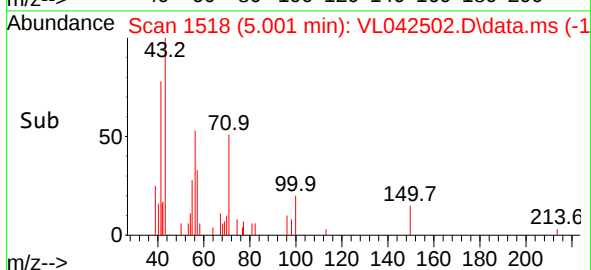
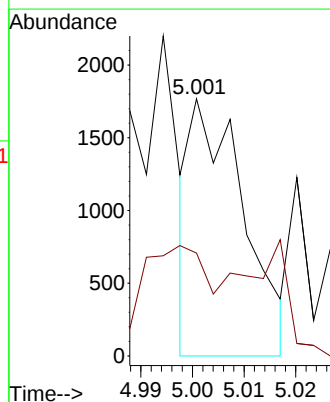
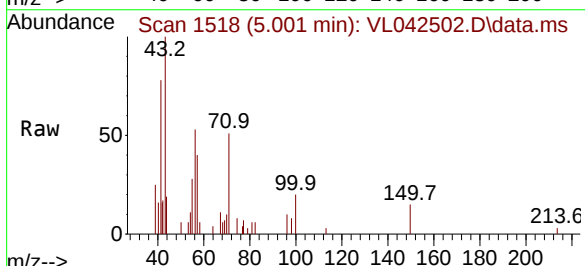
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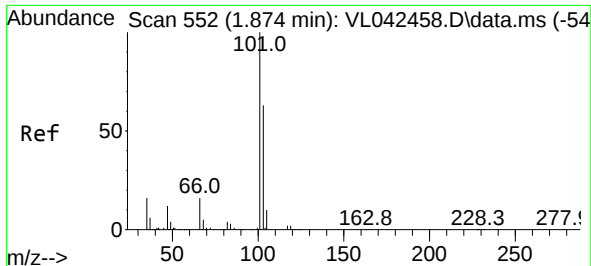
Tgt Ion: 43 Resp: 1268

Ion Ratio Lower Upper

43 100

57 0.0 41.8 62.8#

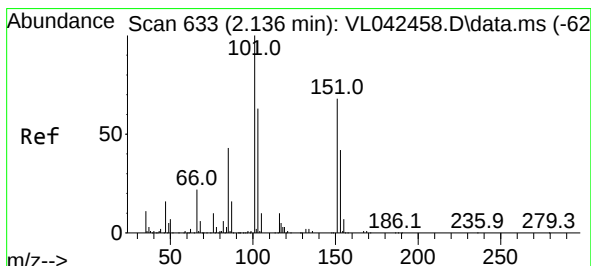
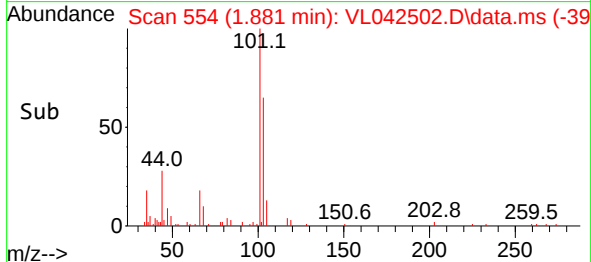
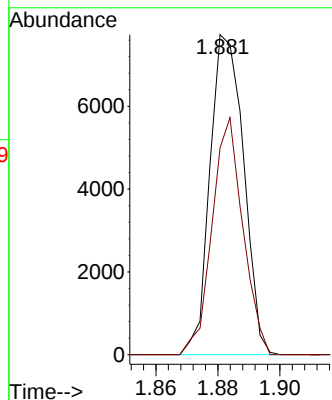
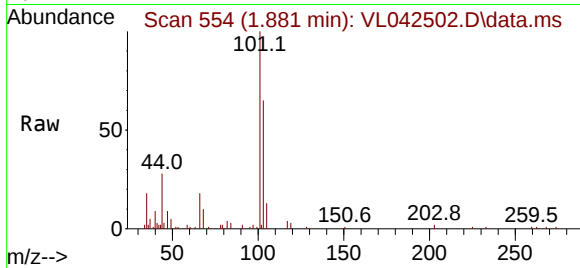




#11
Trichlorofluoromethane
Concen: 0.548 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

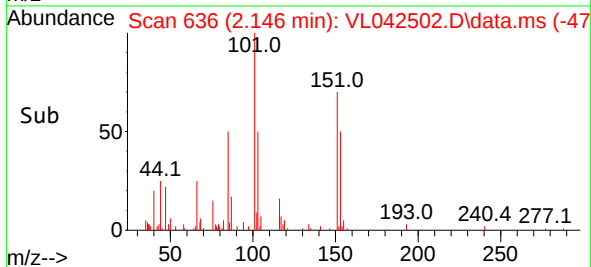
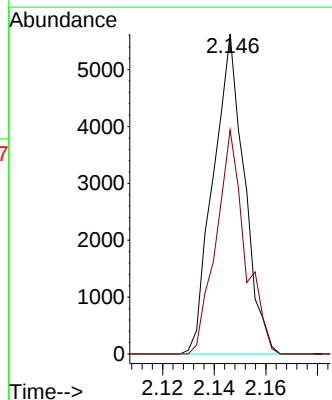
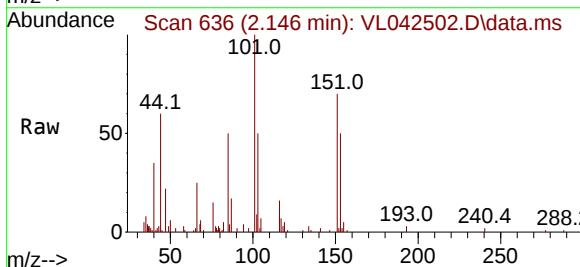
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MSVOA_L
ClientSampleId :
MDL2 0.40

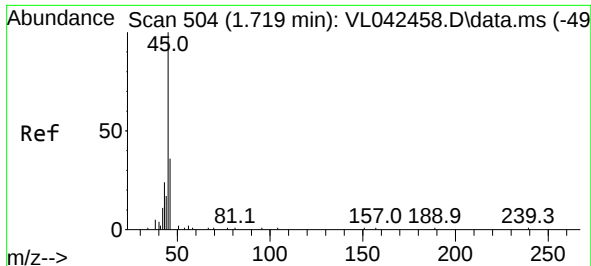
Tgt Ion:101 Resp: 5836
Ion Ratio Lower Upper
101 100
103 64.6 50.6 76.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.552 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.010 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:101 Resp: 4694
Ion Ratio Lower Upper
101 100
151 65.5 54.6 82.0

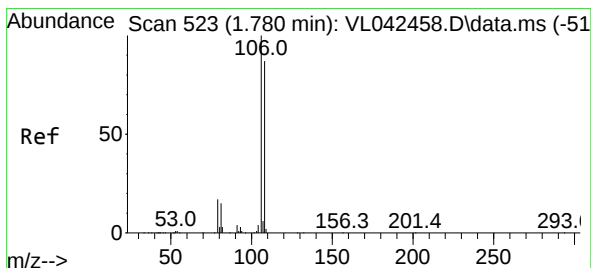
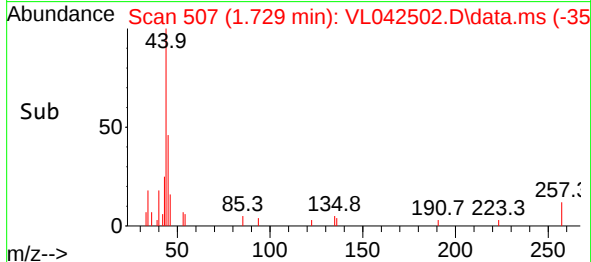
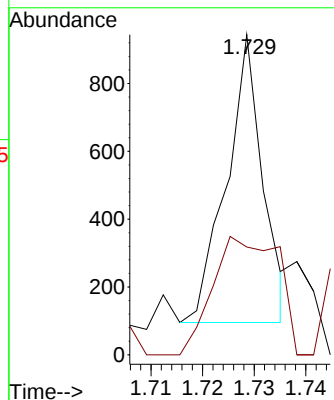
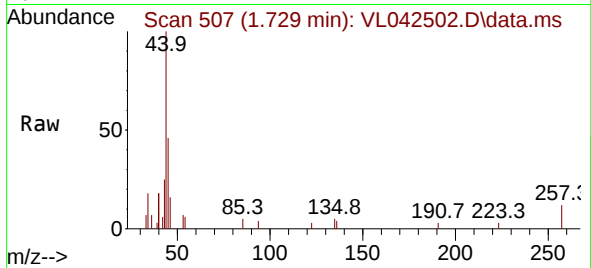




#13
 Ethanol
 Concen: 0.514 ppbv
 RT: 1.729 min Scan# 504
 Delta R.T. 0.010 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

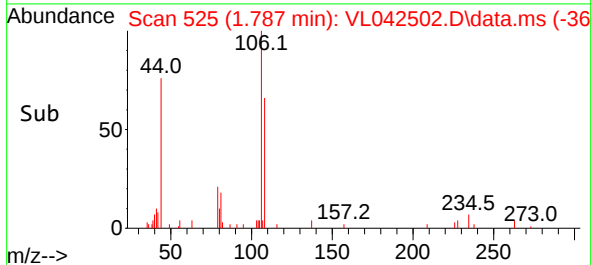
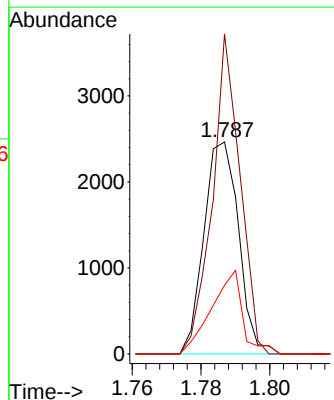
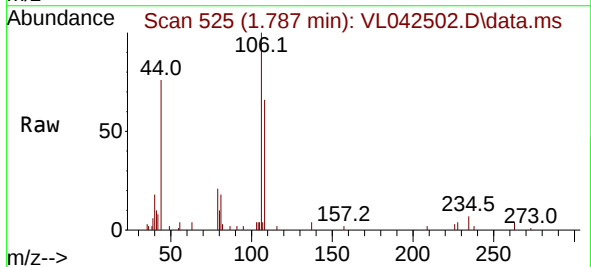
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

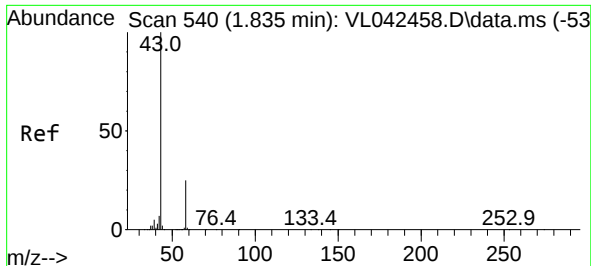
Tgt Ion: 45 Resp: 416
 Ion Ratio Lower Upper
 45 100
 46 108.7 15.3 61.1#



#14
 Bromoethene
 Concen: 0.550 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.007 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 108 Resp: 1727
 Ion Ratio Lower Upper
 108 100
 106 120.2 88.8 133.2
 79 35.3 17.1 25.7#





#15

Acetone

Concen: 0.639 ppbv

RT: 1.842 min Scan# 541

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

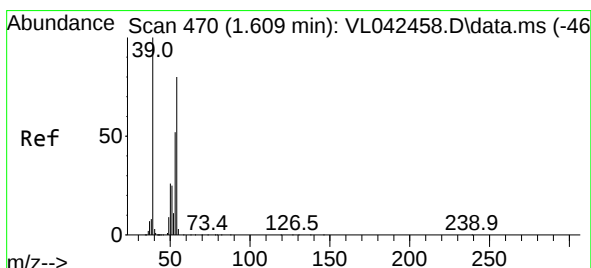
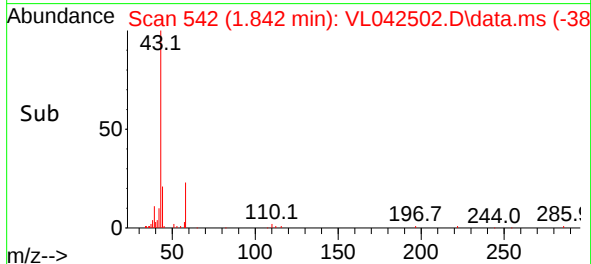
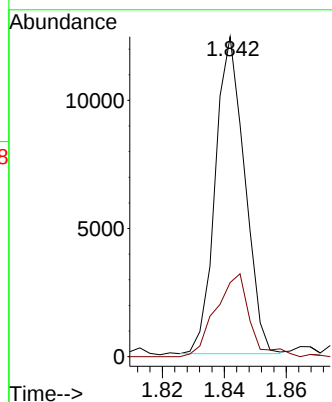
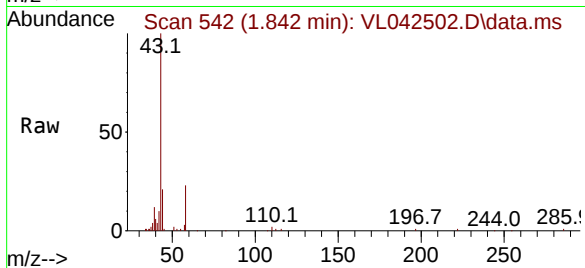
MDL2 0.40

Tgt Ion: 43 Resp: 8139

Ion Ratio Lower Upper

43 100

58 30.5 19.8 29.8#



#16

1,3-Butadiene

Concen: 0.563 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.003 min

Lab File: VL042502.D

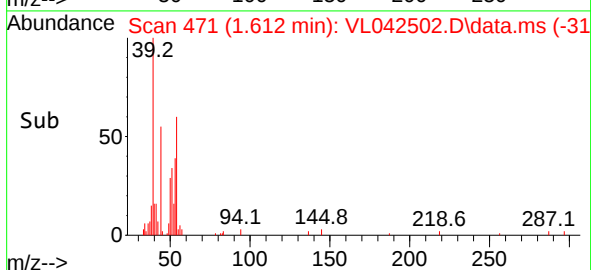
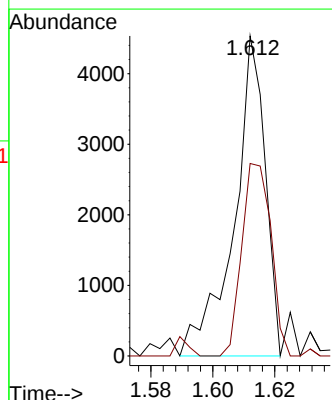
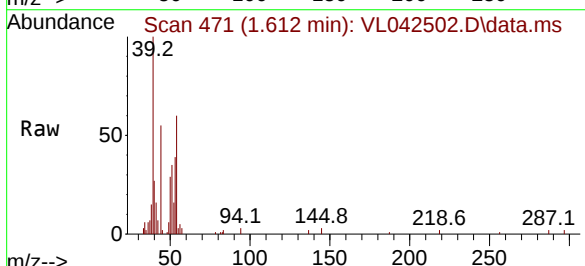
Acq: 06 May 2025 18:07

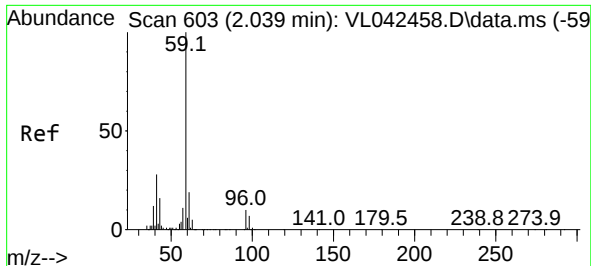
Tgt Ion: 39 Resp: 3162

Ion Ratio Lower Upper

39 100

54 59.6 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.432 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

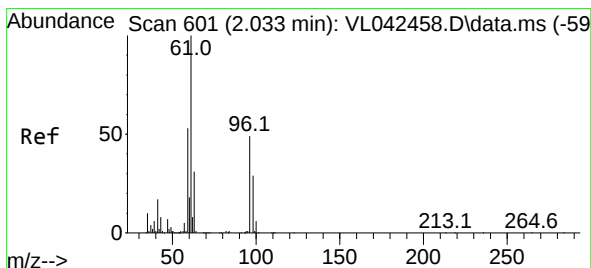
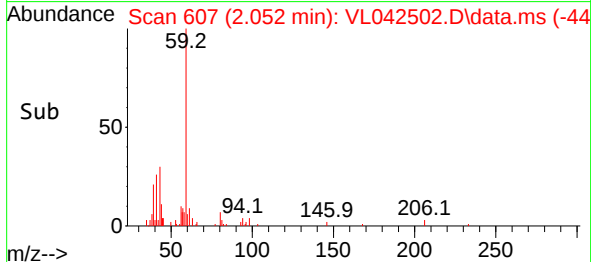
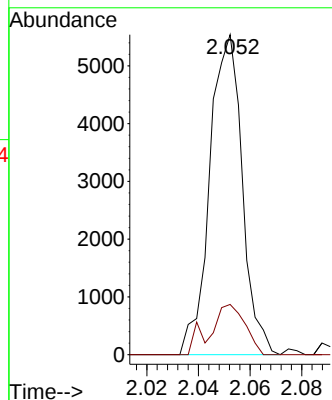
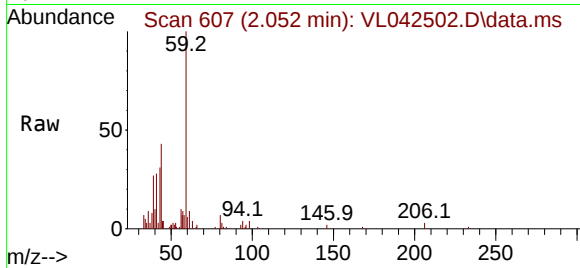
MDL2 0.40

Tgt Ion: 59 Resp: 4846

Ion Ratio Lower Upper

59 100

57 17.0 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.500 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

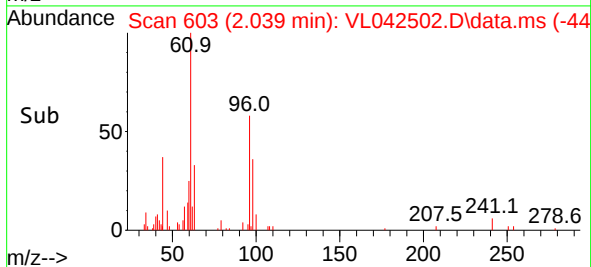
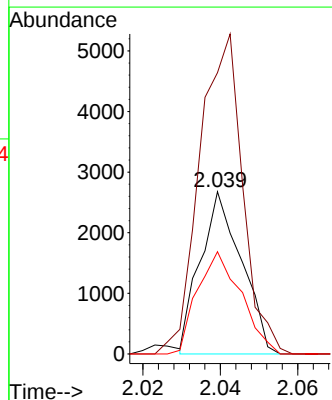
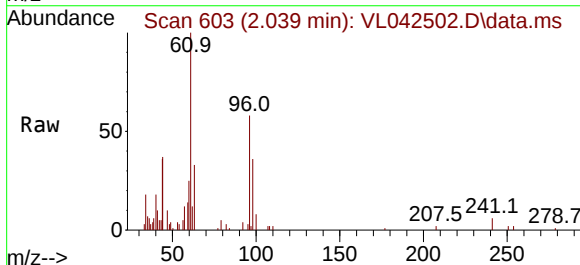
Tgt Ion: 96 Resp: 1985

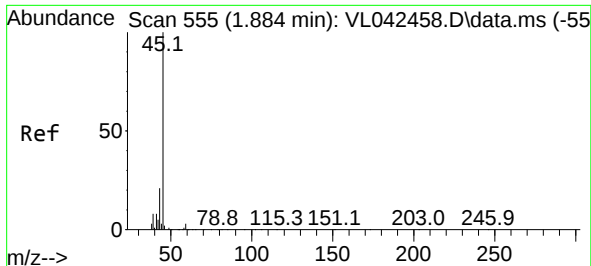
Ion Ratio Lower Upper

96 100

61 191.3 164.9 247.3

98 63.0 48.2 72.2





#19

Isopropyl Alcohol

Concen: 0.570 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

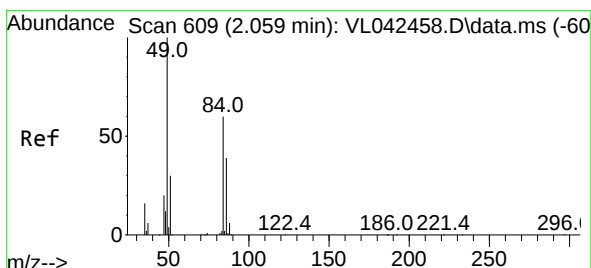
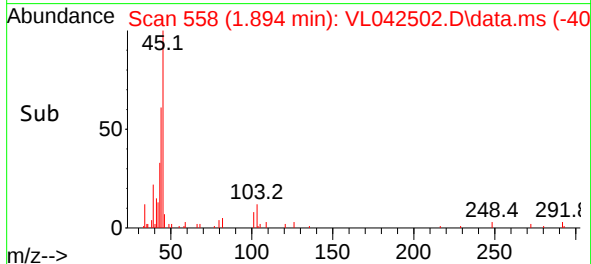
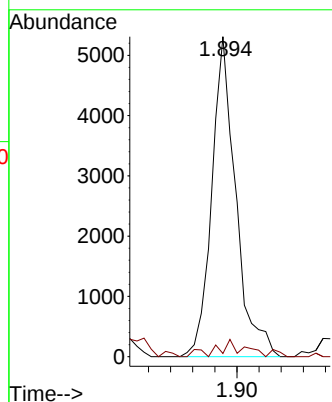
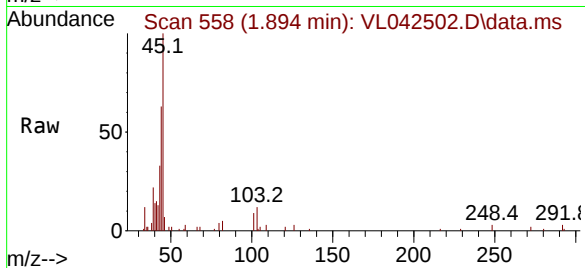
MDL2 0.40

Tgt Ion: 45 Resp: 4014

Ion Ratio Lower Upper

45 100

58 6.9 1.6 2.4#



#20

Methylene Chloride

Concen: 0.670 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Tgt Ion: 84 Resp: 2565

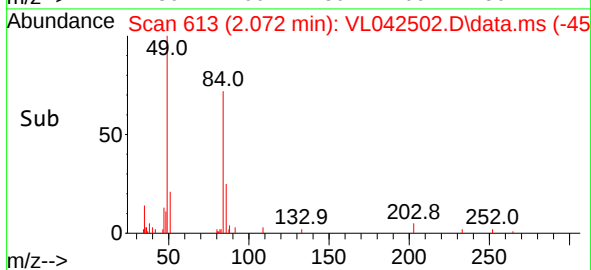
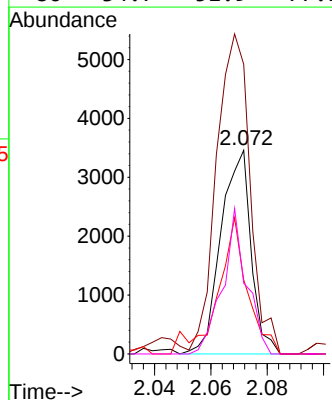
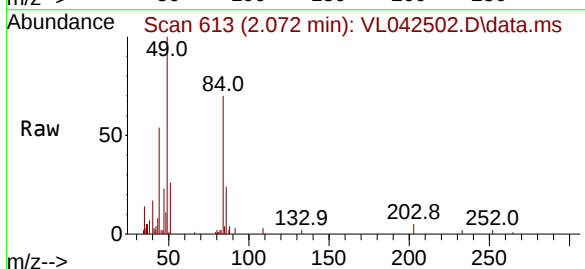
Ion Ratio Lower Upper

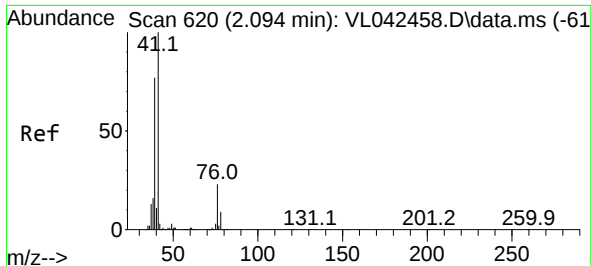
84 100

49 142.2 133.9 200.9

51 36.4 41.0 61.6#

86 34.7 51.9 77.9#

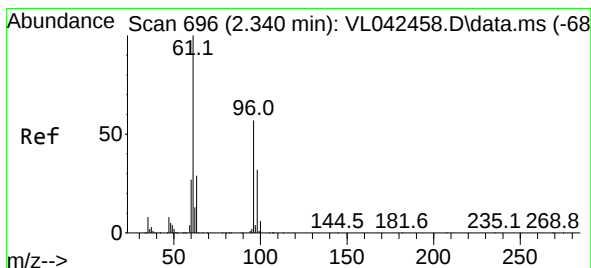
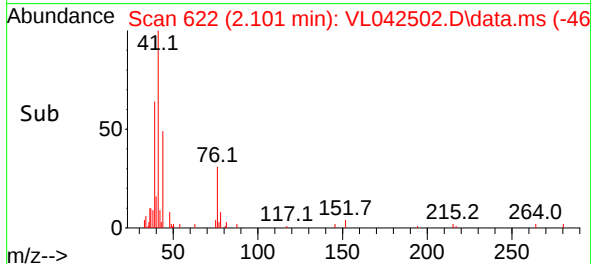
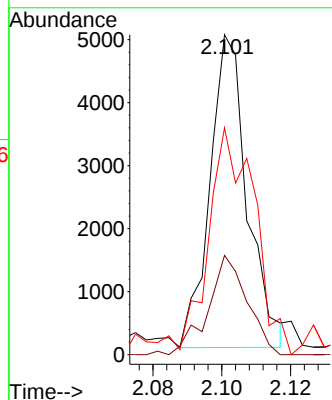
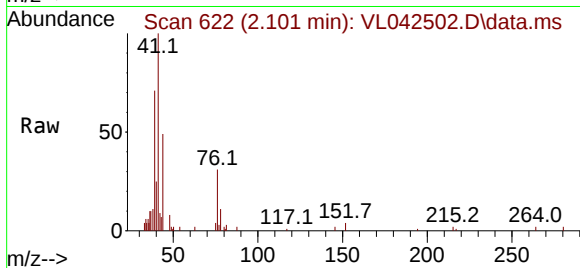




#21
 Allyl Chloride
 Concen: 0.457 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

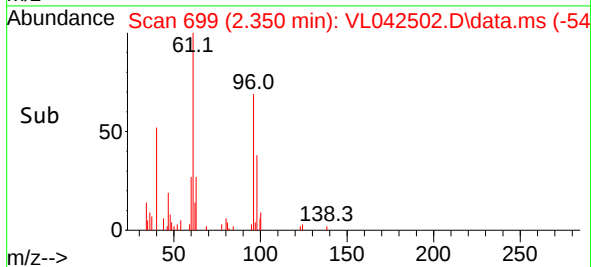
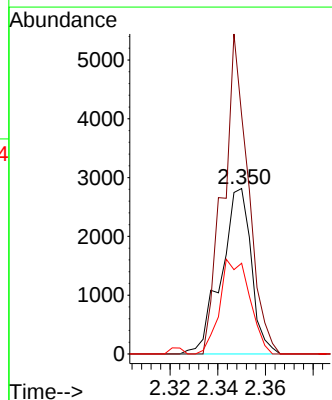
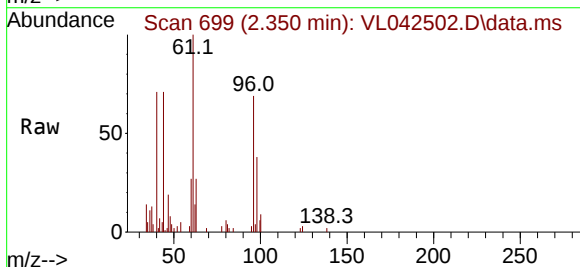
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

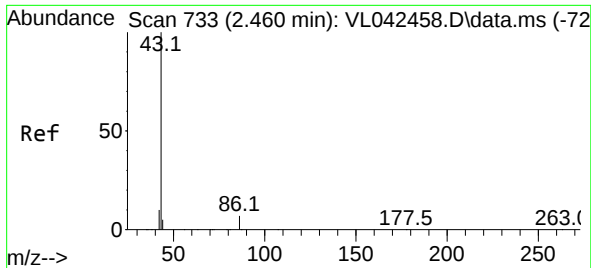
Tgt Ion: 41 Resp: 3746
 Ion Ratio Lower Upper
 41 100
 76 33.4 19.6 29.4#
 39 96.1 61.0 91.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.532 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.010 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 96 Resp: 2466
 Ion Ratio Lower Upper
 96 100
 61 144.3 141.8 212.6
 98 54.8 45.0 67.6

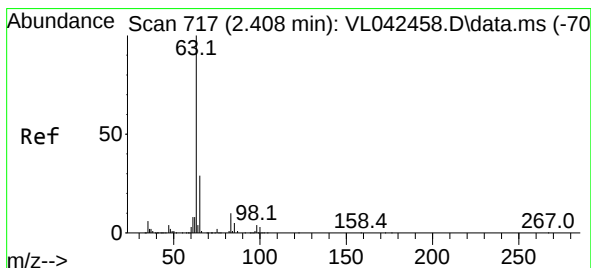
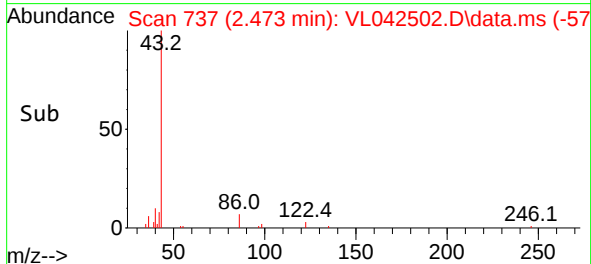
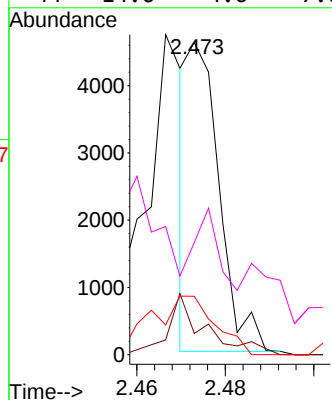
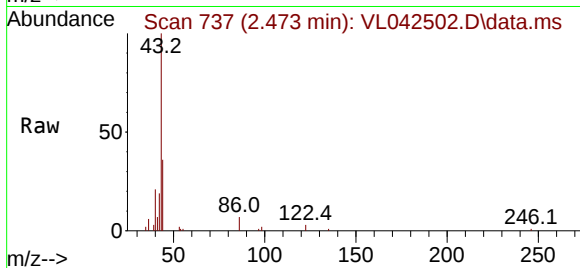




#23
 Vinyl Acetate
 Concen: 0.184 ppbv
 RT: 2.473 min Scan# 719
 Delta R.T. 0.013 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

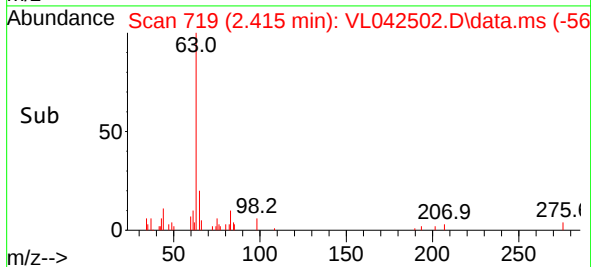
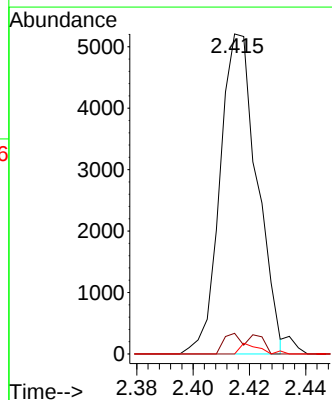
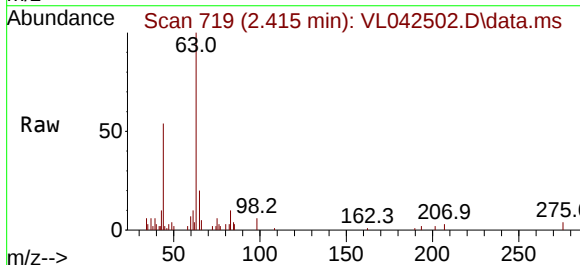
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL2 0.40

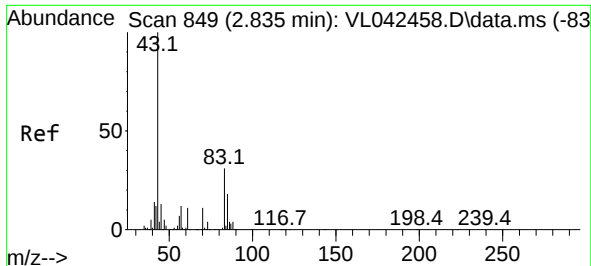
Tgt Ion:	43	Resp:	2237
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.5	8.3
42	22.6	8.3	12.5#
44	14.6	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.503 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.007 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion:	63	Resp:	4763
Ion	Ratio	Lower	Upper
63	100		
98	6.4	1.8	5.5#
100	0.0	1.4	4.2#

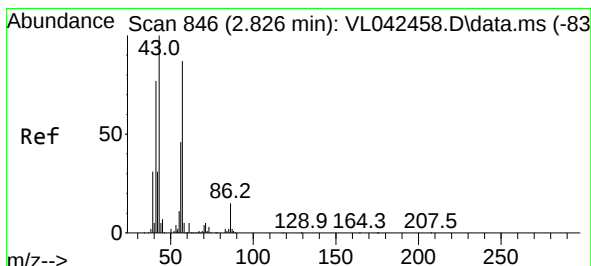
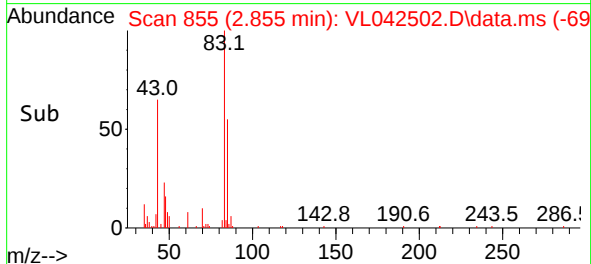
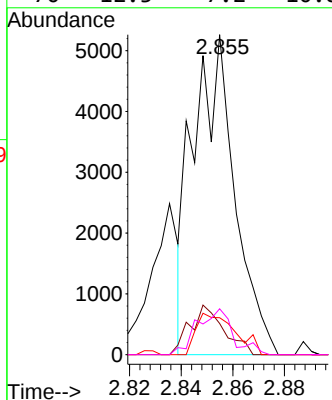
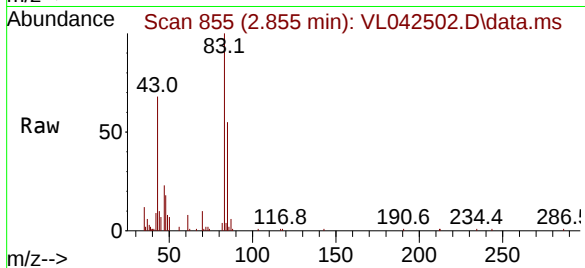




#25
Ethyl Acetate
Concen: 0.288 ppbv
RT: 2.855 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

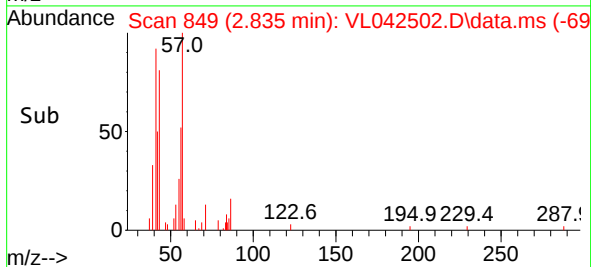
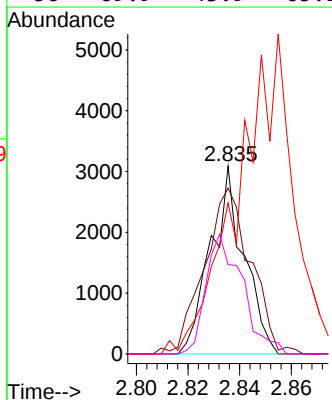
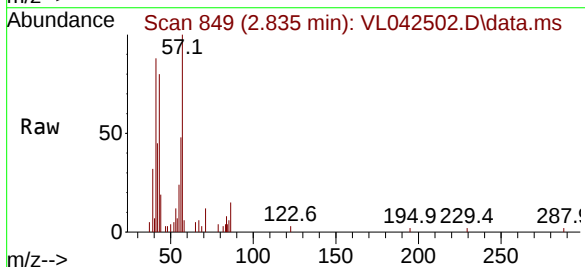
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

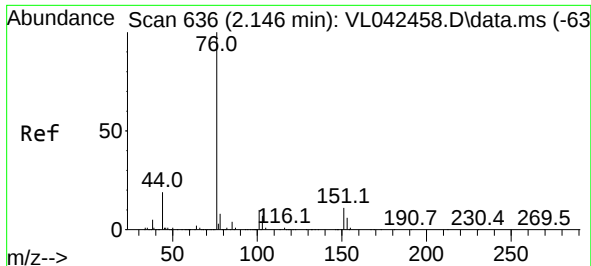
Tgt Ion:	43	Resp:	5873
Ion	Ratio	Lower	Upper
43	100		
45	12.7	7.8	11.6#
61	12.1	7.2	10.8#
70	12.3	7.2	10.8#



#26
Hexane
Concen: 0.311 ppbv
RT: 2.835 min Scan# 849
Delta R.T. 0.010 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:	57	Resp:	2762
Ion	Ratio	Lower	Upper
57	100		
41	123.1	77.8	116.8#
43	281.7	187.0	280.6#
56	69.9	43.9	65.9#

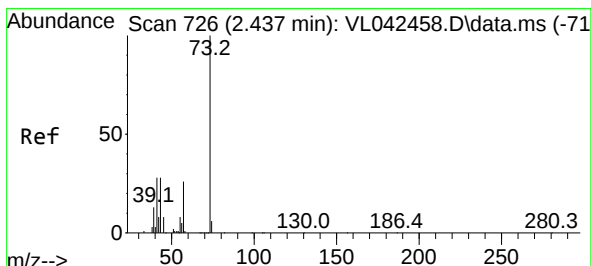
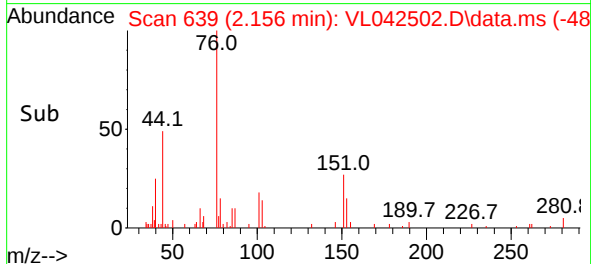
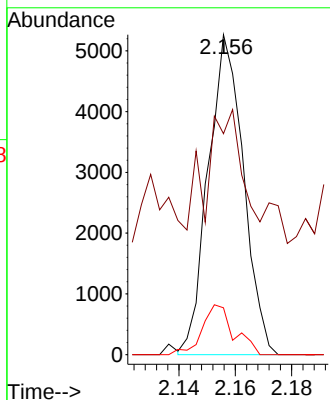
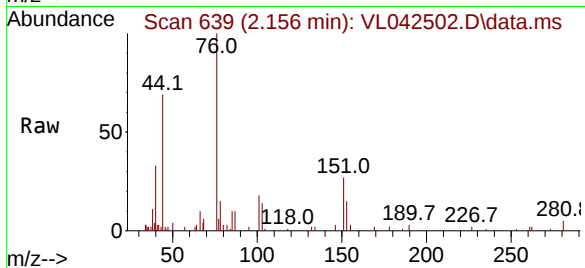




#27
Carbon Disulfide
Concen: 0.441 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.010 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

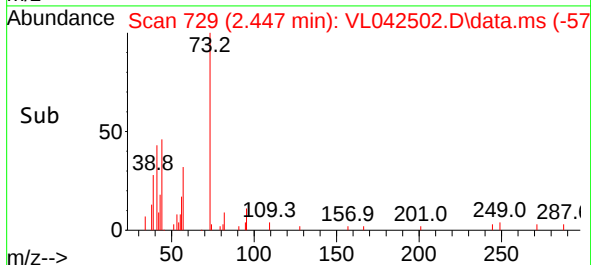
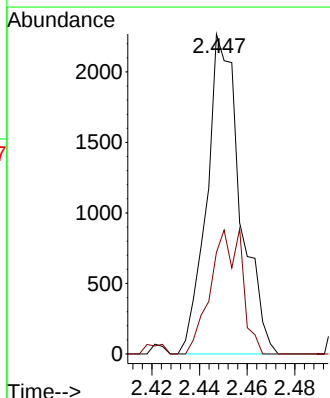
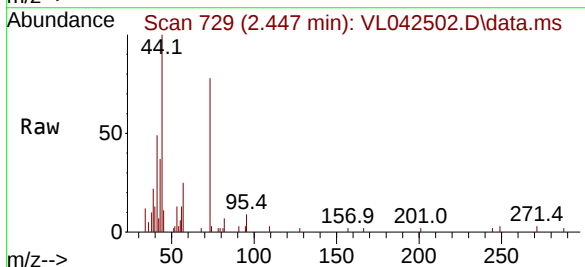
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

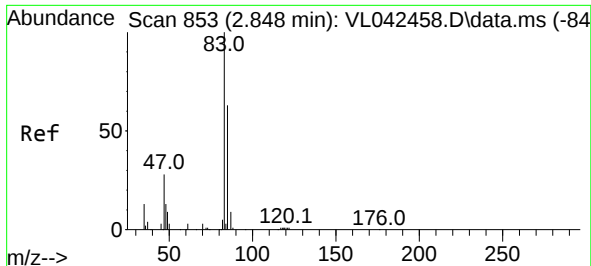
Tgt Ion: 76 Resp: 4576
Ion Ratio Lower Upper
76 100
44 71.3 21.0 31.6#
78 14.0 8.6 13.0#



#28
Methyl tert-Butyl Ether
Concen: 0.416 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.010 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 73 Resp: 2220
Ion Ratio Lower Upper
73 100
57 38.1 19.9 29.9#





#29

Chloroform

Concen: 0.484 ppbv

RT: 2.855 min Scan# 80

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

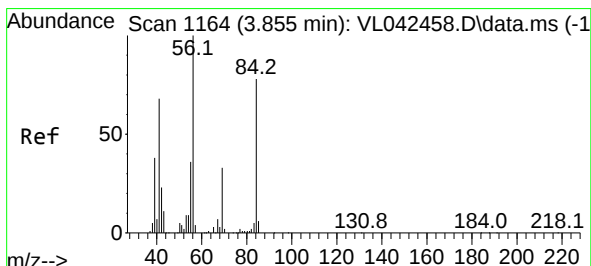
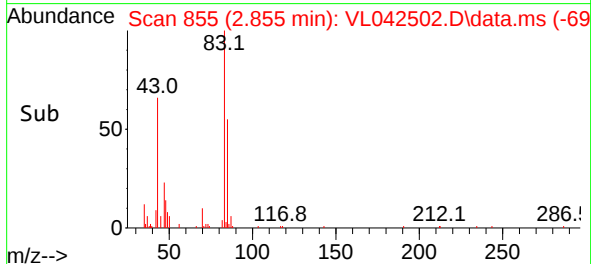
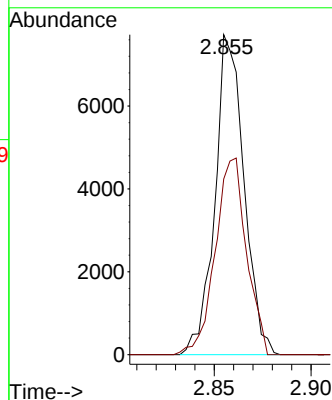
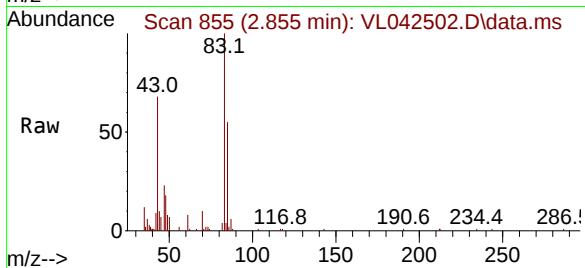
MDL2 0.40

Tgt Ion: 83 Resp: 8064

Ion Ratio Lower Upper

83 100

85 54.9 50.4 75.6



#30

Cyclohexane

Concen: 0.095 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. 0.026 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

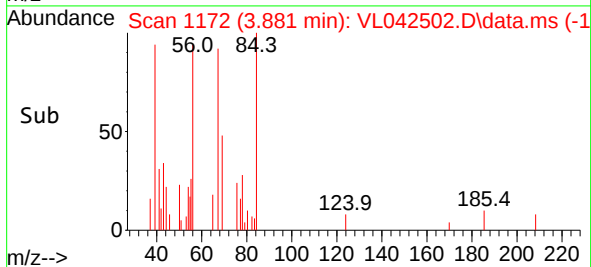
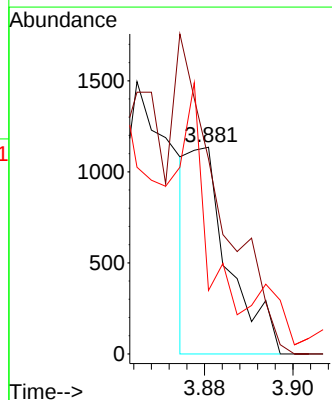
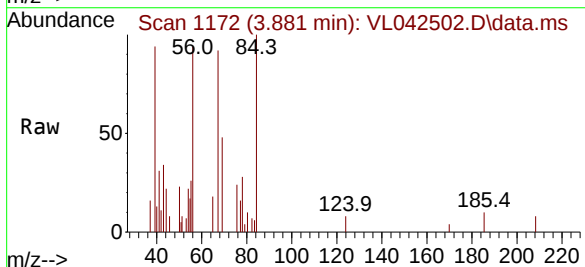
Tgt Ion: 84 Resp: 704

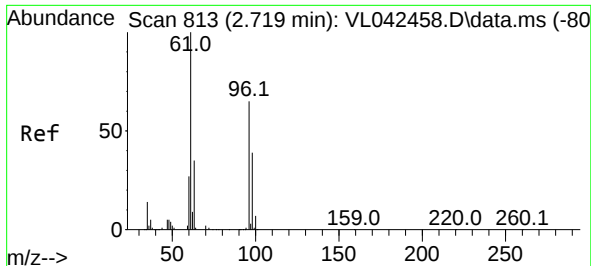
Ion Ratio Lower Upper

84 100

56 359.5 98.1 147.1#

41 303.0 65.8 98.8#

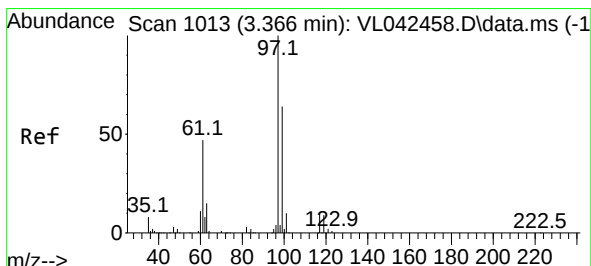
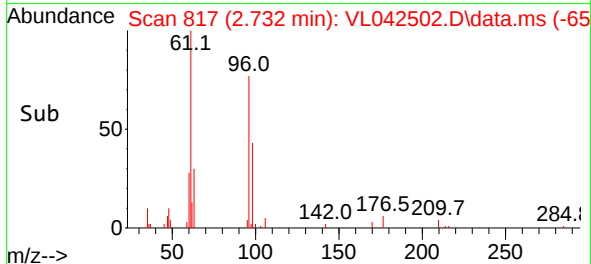
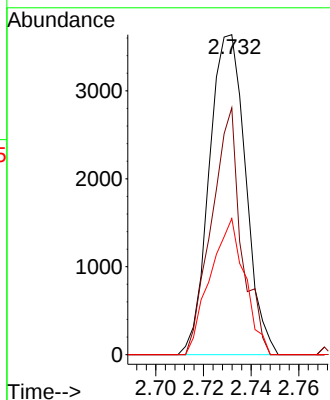
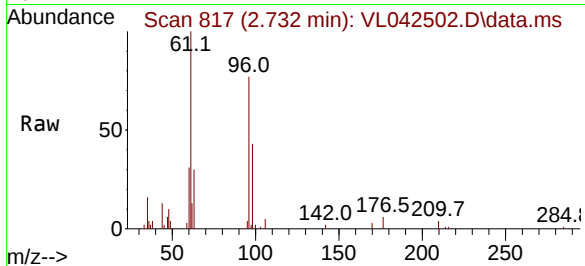




#31
 cis-1,2-Dichloroethene
 Concen: 0.373 ppbv
 RT: 2.732 min Scan# 813
 Delta R.T. 0.013 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

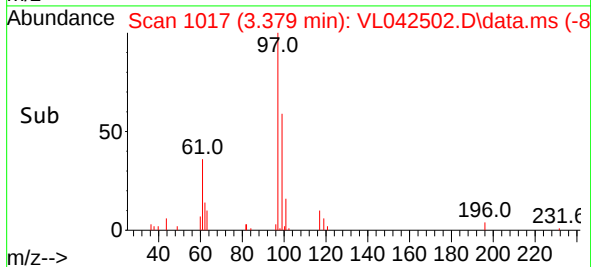
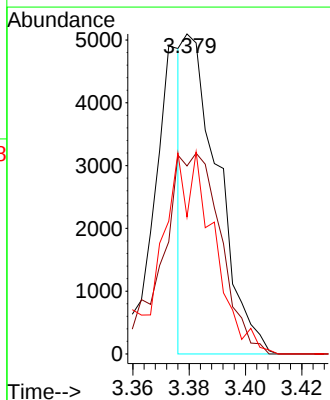
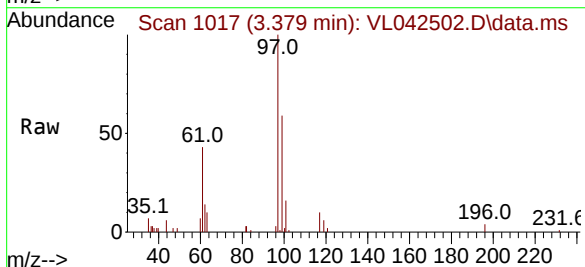
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

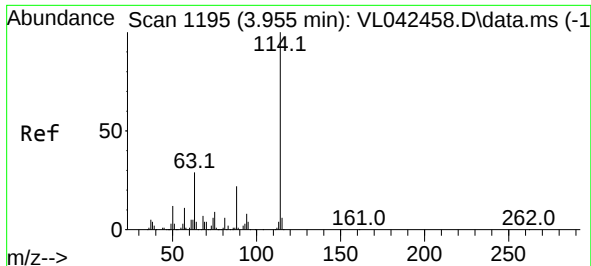
Tgt Ion:	61	Resp:	3862
Ion	Ratio	Lower	Upper
61	100		
96	68.0	52.0	78.0
98	37.5	31.0	46.6



#32
 1,1,1-Trichloroethane
 Concen: 0.240 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.013 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion:	97	Resp:	4342
Ion	Ratio	Lower	Upper
97	100		
99	105.2	50.7	76.1#
61	94.4	40.9	61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1195

Delta R.T. 0.019 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

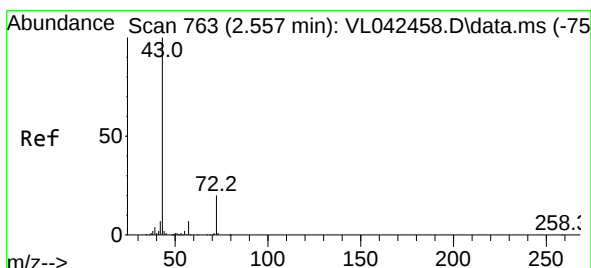
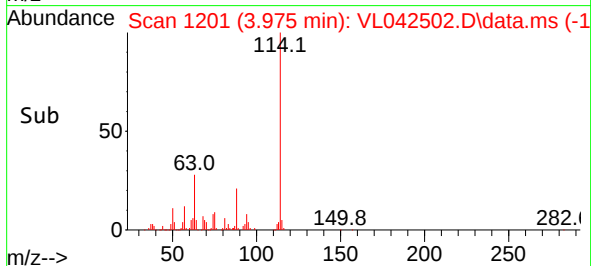
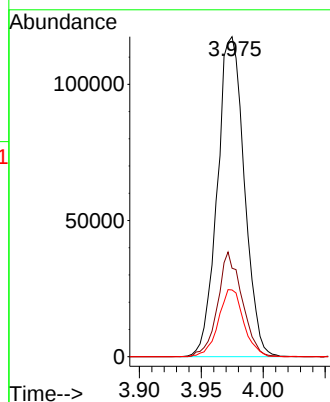
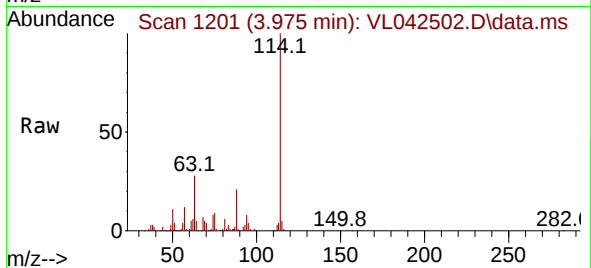
Tgt Ion:114 Resp: 178512

Ion Ratio Lower Upper

114 100

63 29.5 23.1 34.7

88 19.8 16.1 24.1



#34

2-Butanone

Concen: 0.421 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.013 min

Lab File: VL042502.D

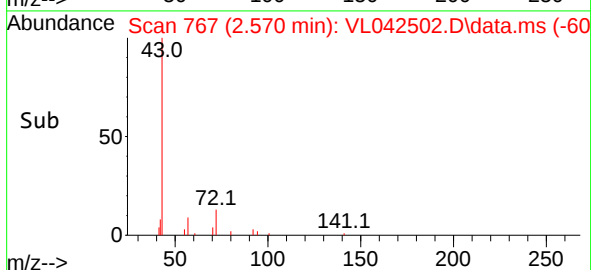
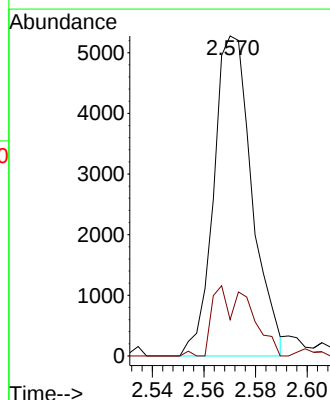
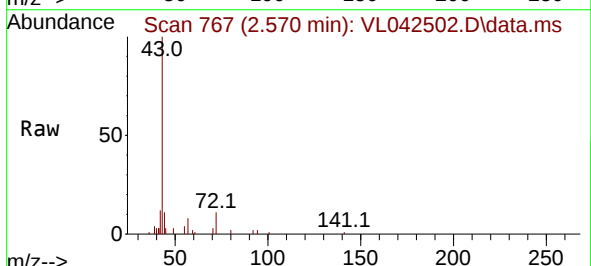
Acq: 06 May 2025 18:07

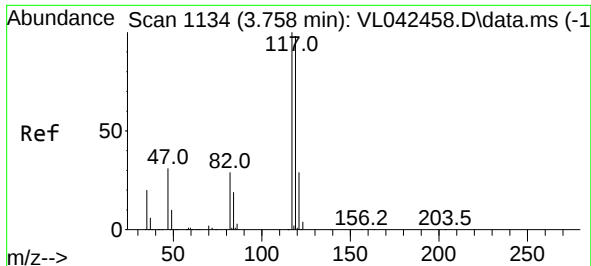
Tgt Ion: 43 Resp: 5435

Ion Ratio Lower Upper

43 100

72 22.9 16.7 25.1

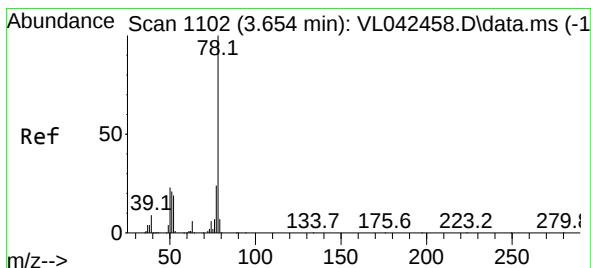
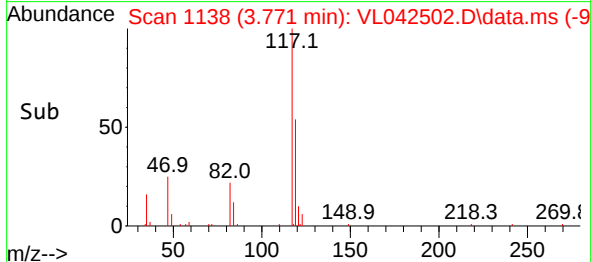
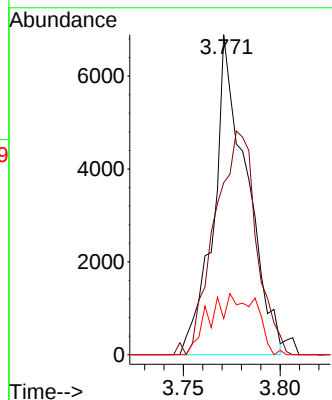
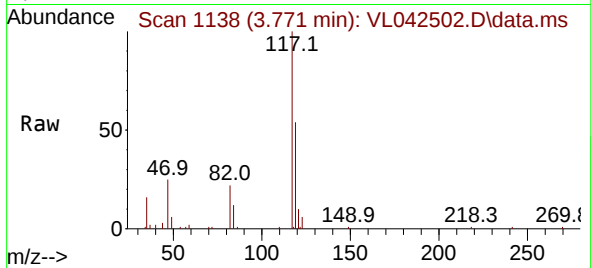




#35
Carbon Tetrachloride
Concen: 0.505 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

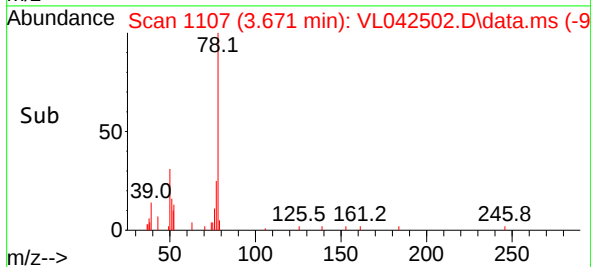
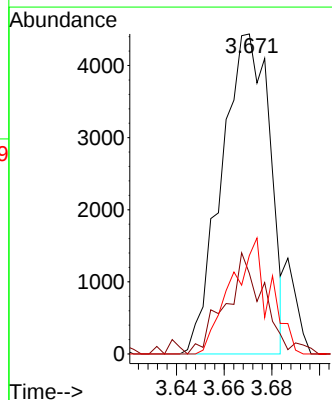
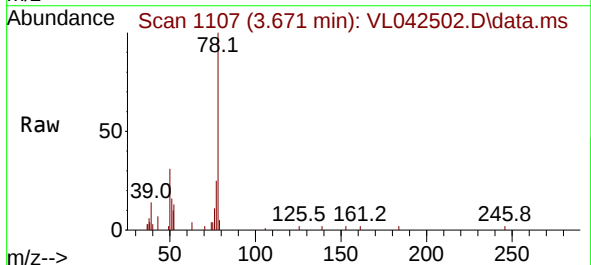
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

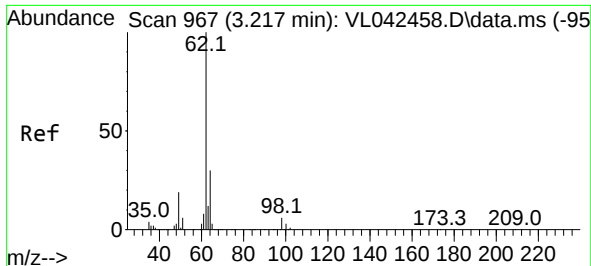
Tgt Ion:117 Resp: 8190
Ion Ratio Lower Upper
117 100
119 50.0 78.1 117.1#
121 11.2 23.0 34.6#



#36
Benzene
Concen: 0.370 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 78 Resp: 6225
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3
50 30.8 18.4 27.6#

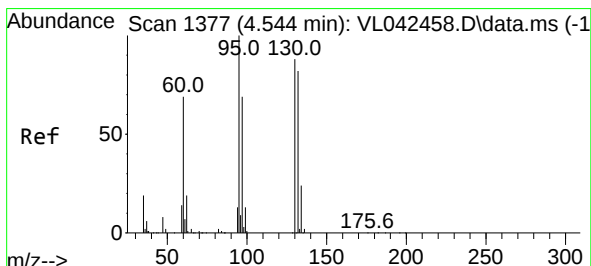
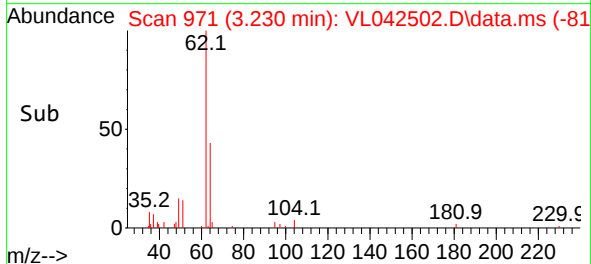
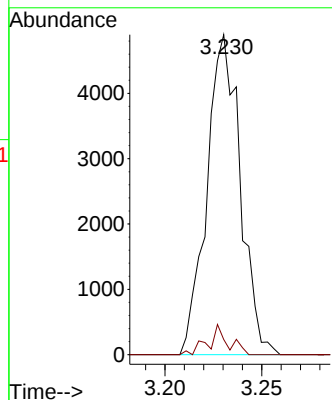
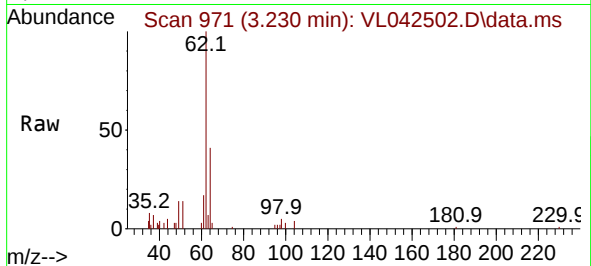




#37
1,2-Dichloroethane
Concen: 0.453 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

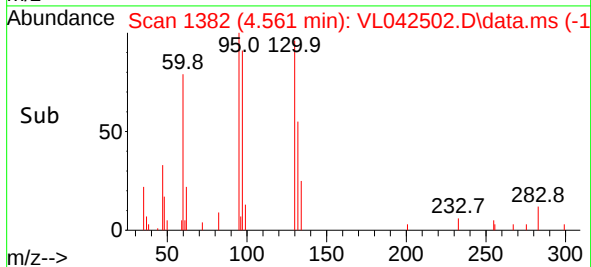
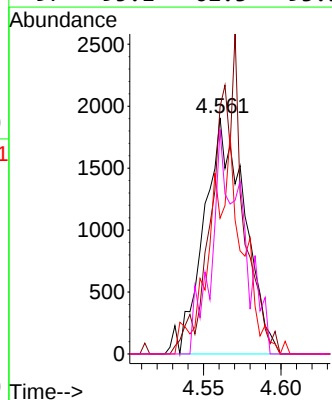
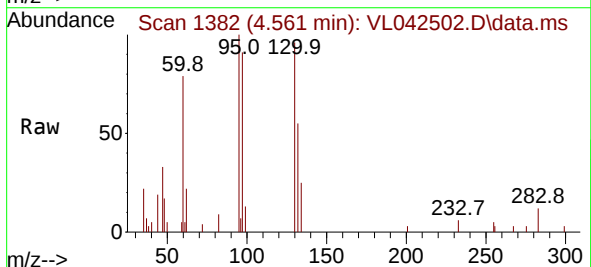
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

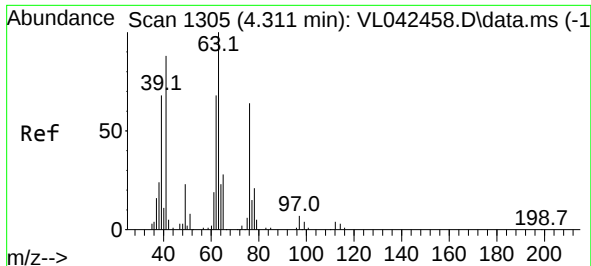
Tgt Ion: 62 Resp: 5877
Ion Ratio Lower Upper
62 100
98 5.4 4.3 6.5



#38
Trichloroethene
Concen: 0.536 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.016 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:130 Resp: 3444
Ion Ratio Lower Upper
130 100
95 104.5 91.0 136.4
132 57.4 74.2 111.4#
97 95.1 62.3 93.5#





#39

1,2-Dichloropropane

Concen: 0.331 ppbv

RT: 4.328 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

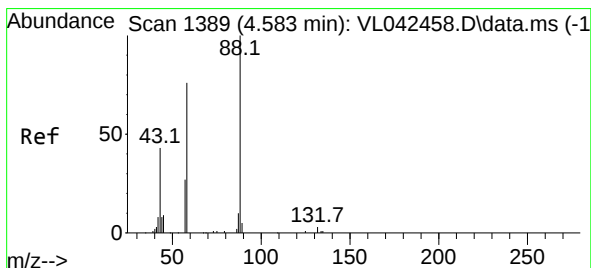
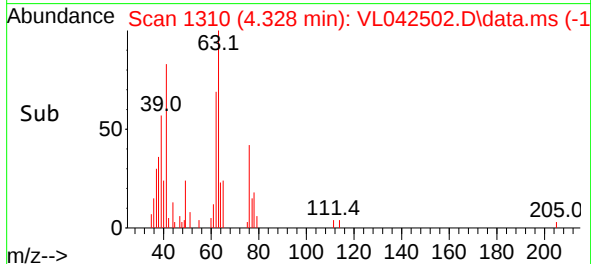
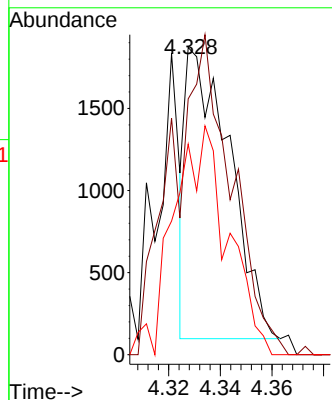
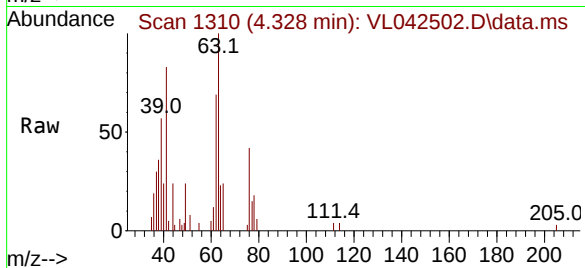
Tgt Ion: 63 Resp: 2088

Ion Ratio Lower Upper

63 100

41 83.5 69.8 104.6

62 72.4 54.3 81.5



#40

1,4-Dioxane

Concen: 0.032 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. 0.055 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Tgt Ion: 88 Resp: 95

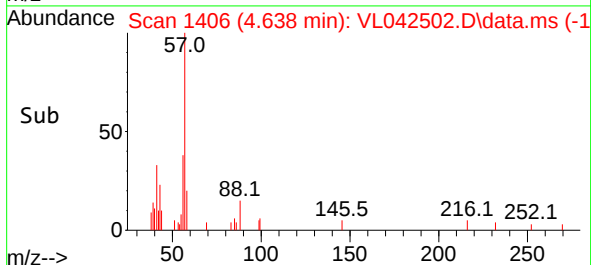
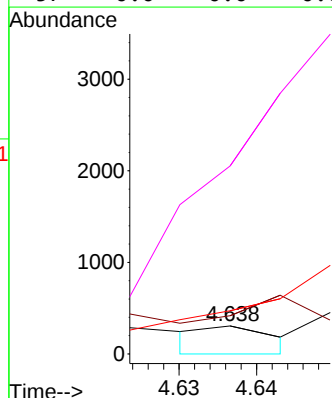
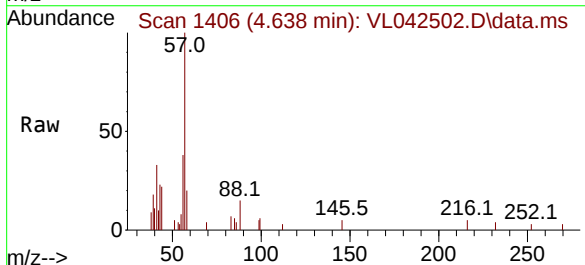
Ion Ratio Lower Upper

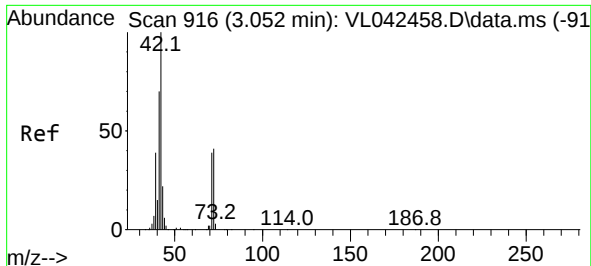
88 100

58 1460.0 0.0 0.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

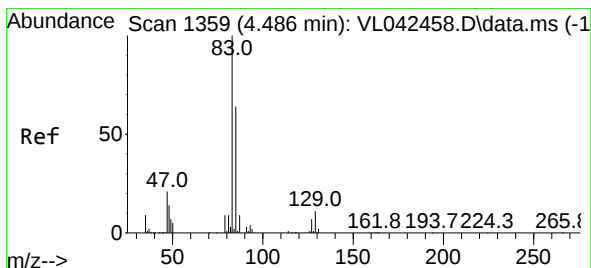
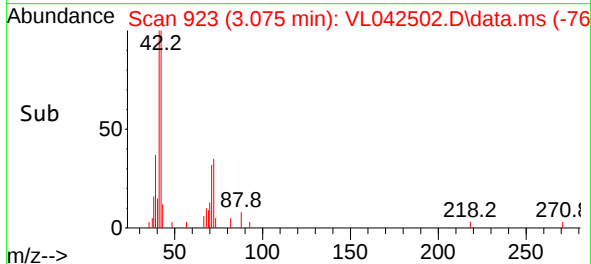
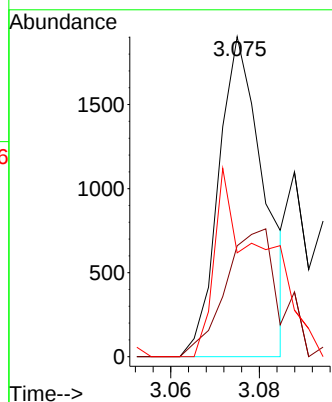
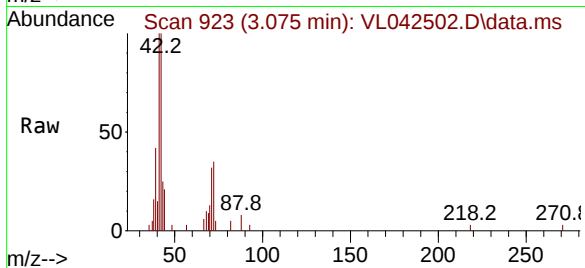




#41
Tetrahydrofuran
Concen: 0.220 ppbv
RT: 3.075 min Scan# 916
Delta R.T. 0.023 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

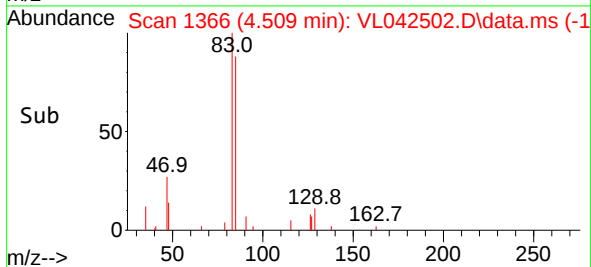
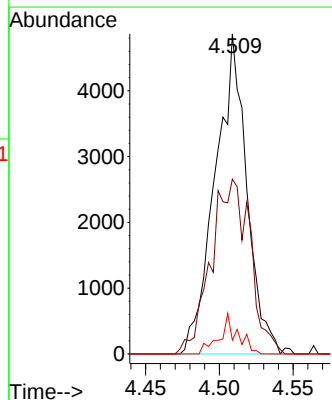
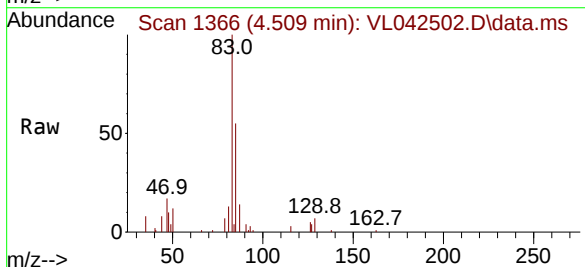
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

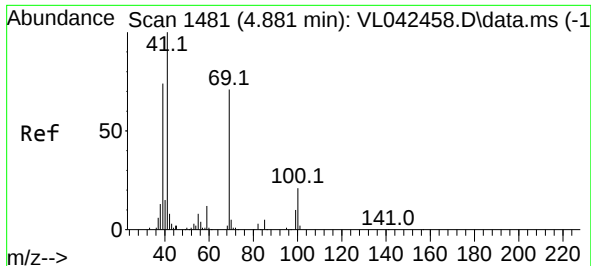
Tgt Ion: 42 Resp: 1351
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 66.5 32.6 49.0#



#42
Bromodichloromethane
Concen: 0.455 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.023 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 83 Resp: 7218
Ion Ratio Lower Upper
83 100
85 53.3 51.5 77.3
127 4.3 5.4 8.2#

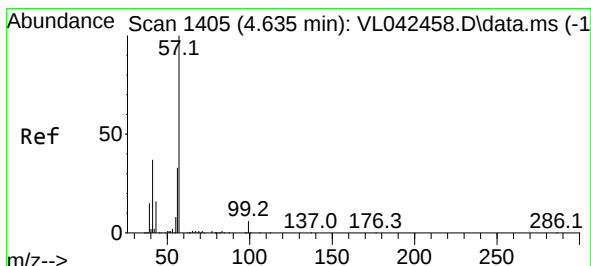
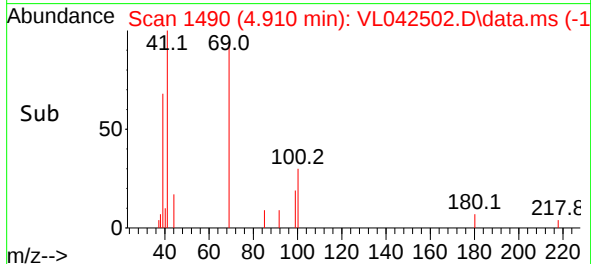
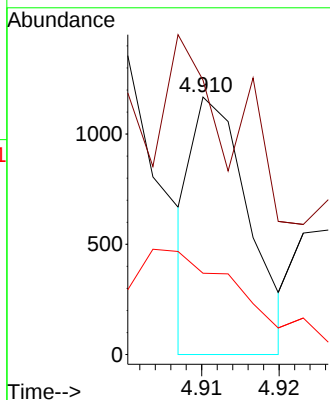
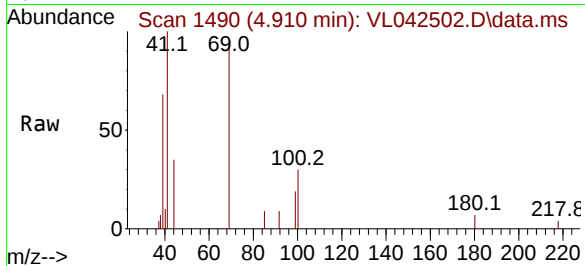




#43
Methyl Methacrylate
Concen: 0.094 ppbv
RT: 4.910 min Scan# 1412
Delta R.T. 0.029 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

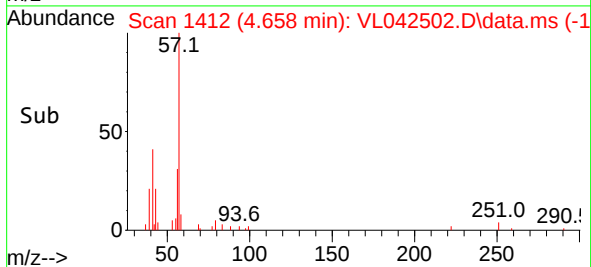
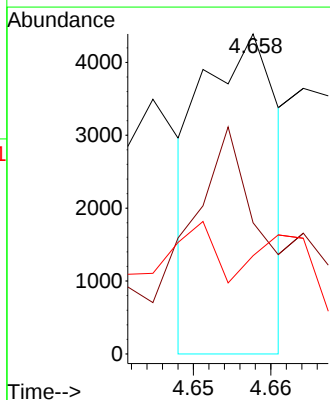
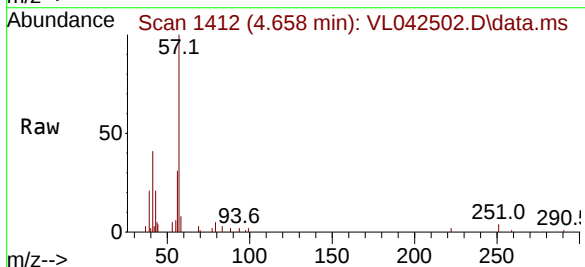
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

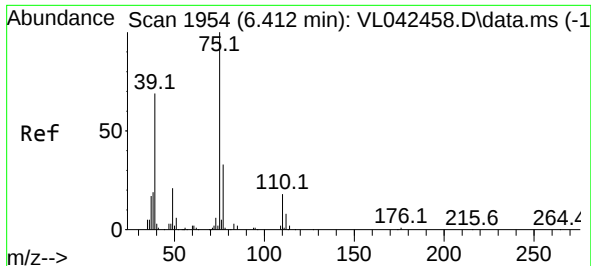
Tgt Ion: 69 Resp: 590
Ion Ratio Lower Upper
69 100
41 479.7 120.8 181.2#
100 0.0 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.109 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.023 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 57 Resp: 2987
Ion Ratio Lower Upper
57 100
41 145.7 30.6 45.8#
56 119.6 25.0 37.6#

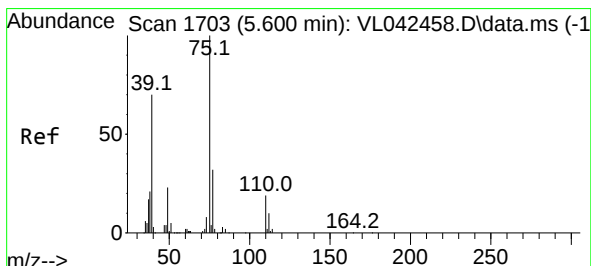
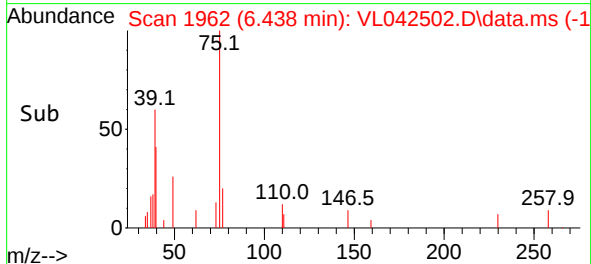
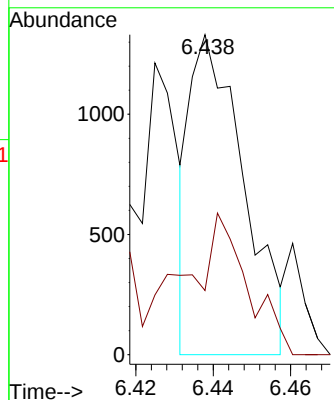
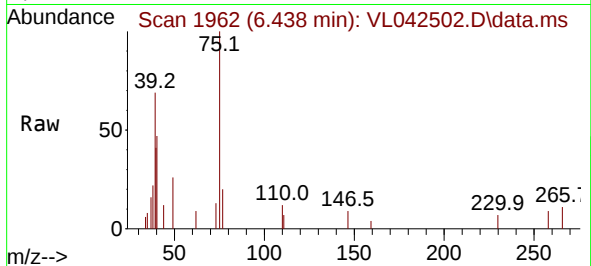




#45
 t-1,3-Dichloropropene
 Concen: 0.156 ppbv
 RT: 6.438 min Scan# 1954
 Delta R.T. 0.026 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

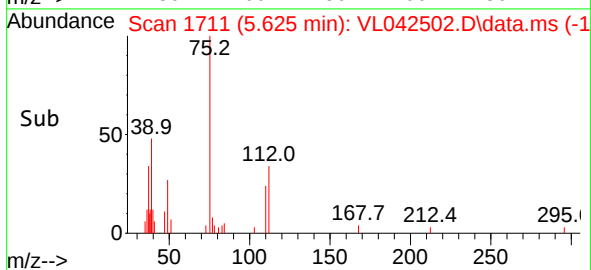
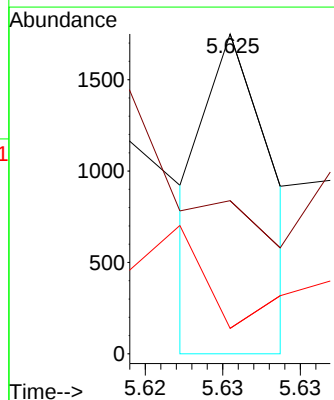
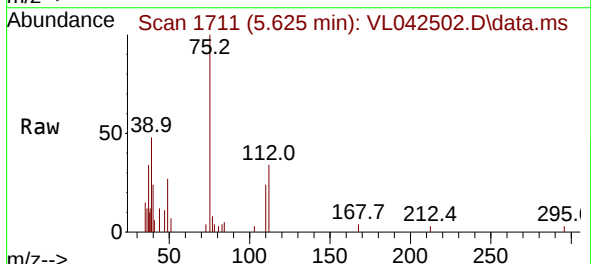
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

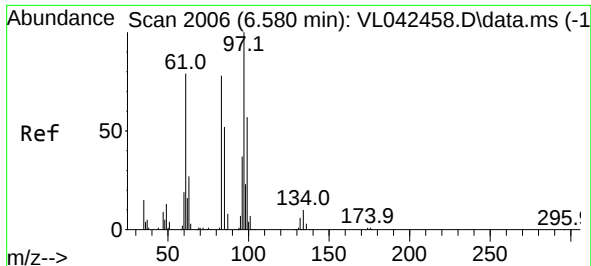
Tgt Ion: 75 Resp: 1285
 Ion Ratio Lower Upper
 75 100
 77 20.1 26.3 39.5#



#46
 cis-1,3-Dichloropropene
 Concen: 0.053 ppbv
 RT: 5.625 min Scan# 1711
 Delta R.T. 0.026 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 75 Resp: 517
 Ion Ratio Lower Upper
 75 100
 39 31.0 55.7 83.5#
 77 0.0 25.8 38.8#

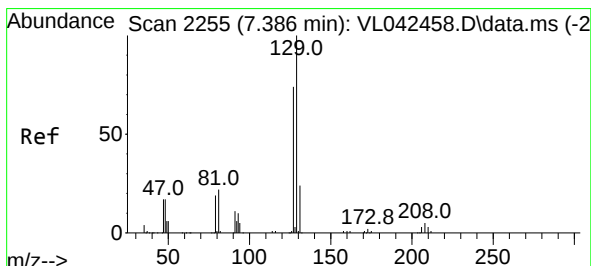
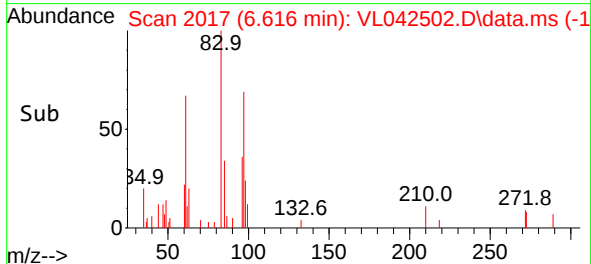
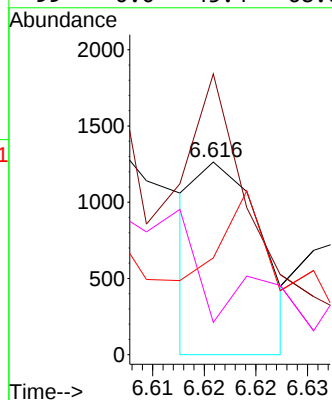
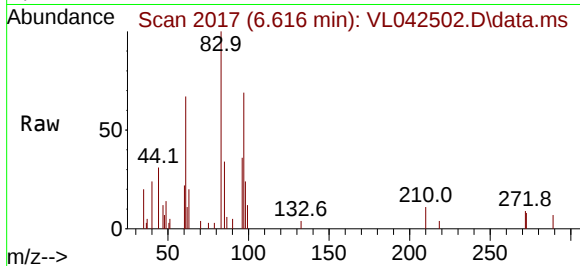




#47
1,1,2-Trichloroethane
Concen: 0.078 ppbv
RT: 6.616 min Scan# 20
Delta R.T. 0.036 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

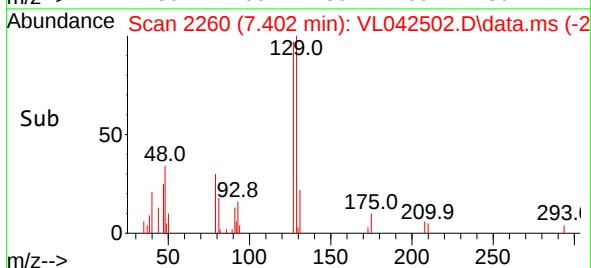
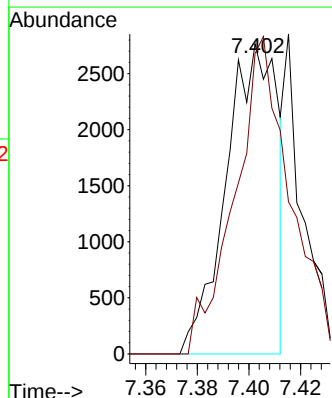
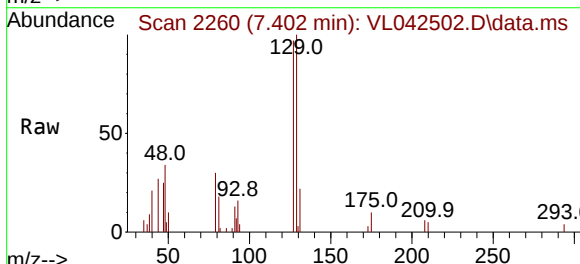
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

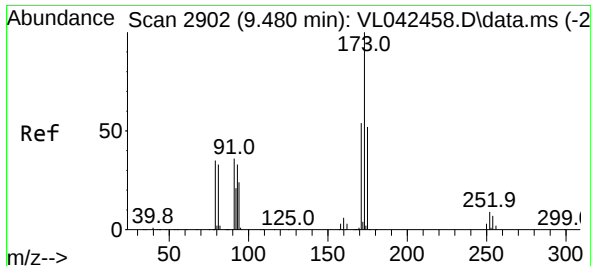
Tgt Ion:	97	Resp:	540
Ion	Ratio	Lower	Upper
97	100		
83	161.1	62.2	93.2#
85	26.3	41.5	62.3#
99	0.0	45.4	68.0#



#48
Dibromochloromethane
Concen: 0.327 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.016 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:	129	Resp:	3822
Ion	Ratio	Lower	Upper
129	100		
127	110.2	39.5	118.5

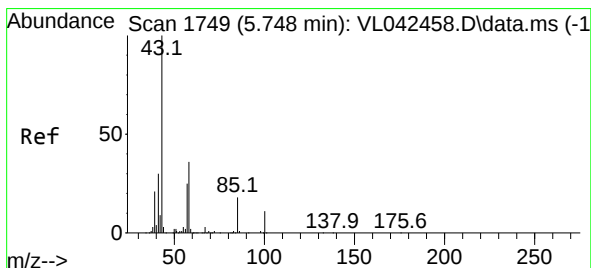
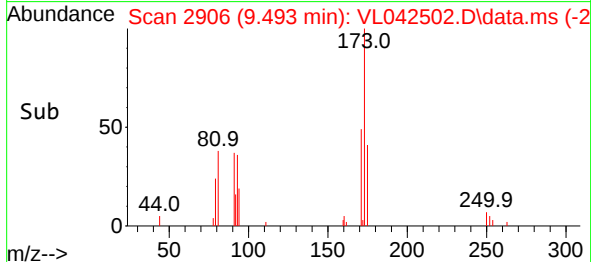
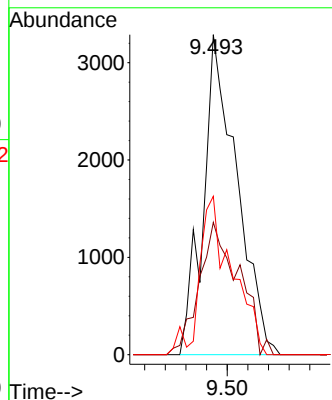
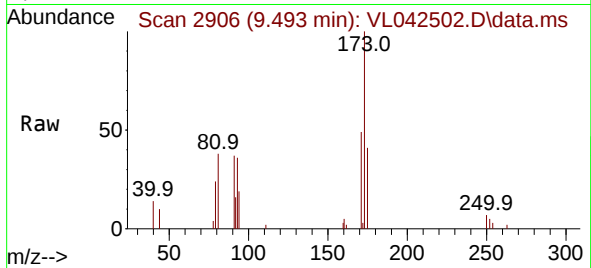




#49
Bromoform
Concen: 0.380 ppbv
RT: 9.493 min Scan# 2902
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

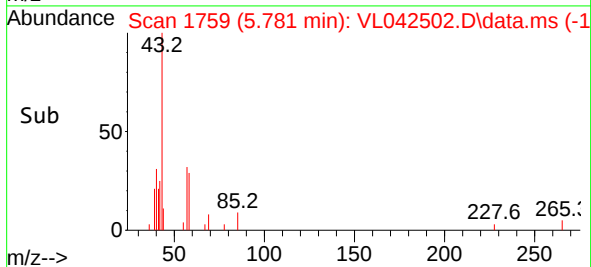
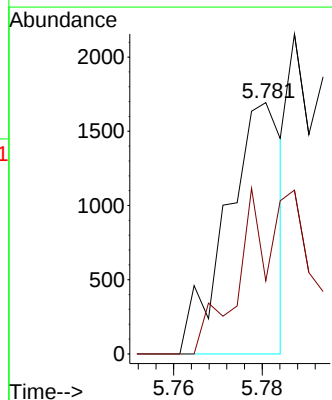
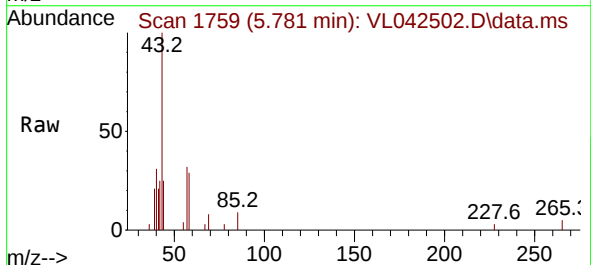
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

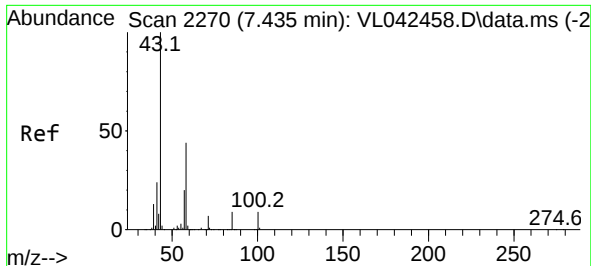
Tgt Ion:173 Resp: 3723
Ion Ratio Lower Upper
173 100
175 48.3 38.9 58.3
171 48.3 40.6 60.8



#50
4-Methyl-2-Pentanone
Concen: 0.089 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. 0.032 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
58 134.2 29.5 44.3#

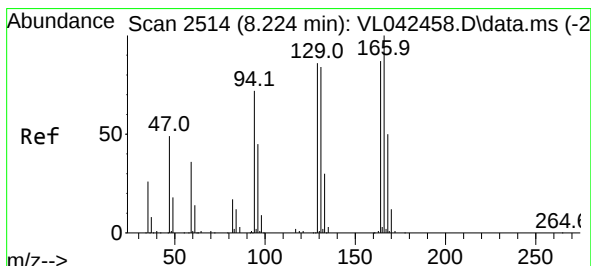
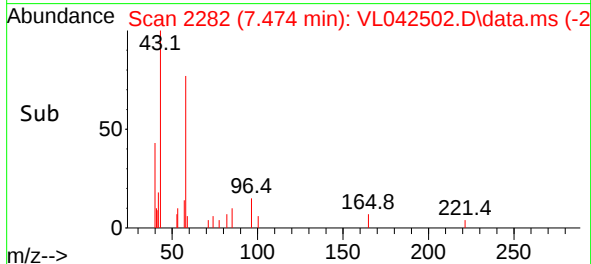
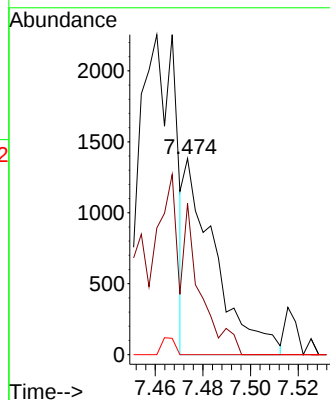
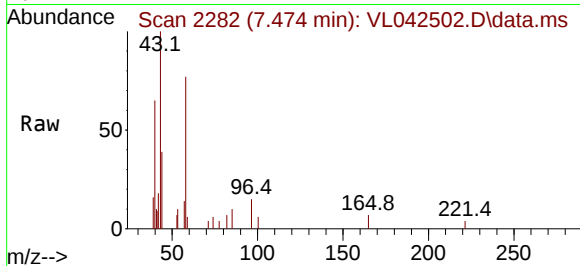




#51
2-Hexanone
Concen: 0.095 ppbv
RT: 7.474 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

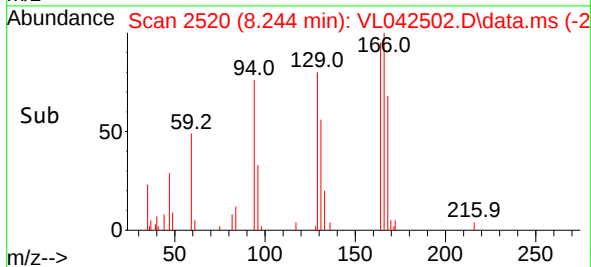
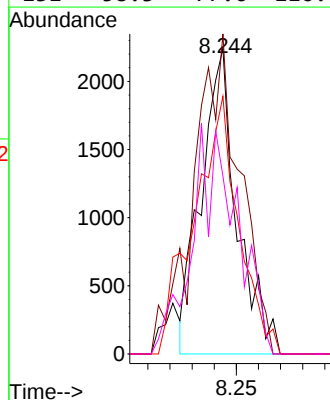
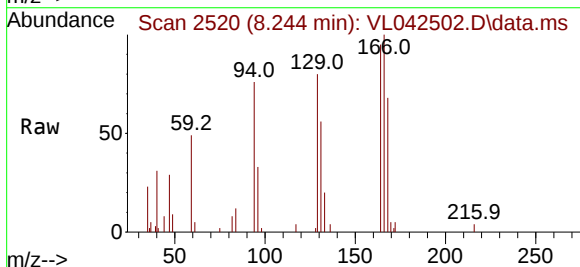
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

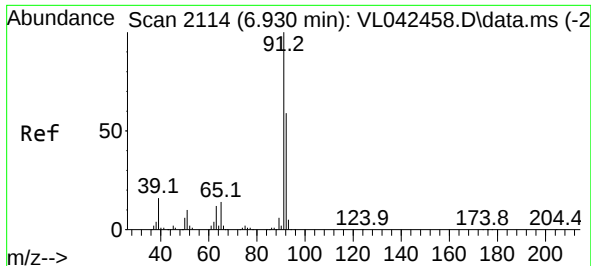
Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.394 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.019 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 164 Resp: 2527
Ion Ratio Lower Upper
164 100
166 104.8 91.6 137.4
129 84.3 79.0 118.4
131 58.3 77.6 116.4#

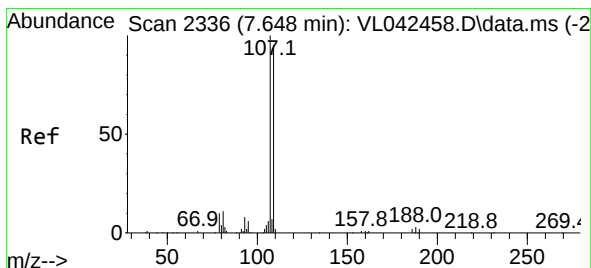
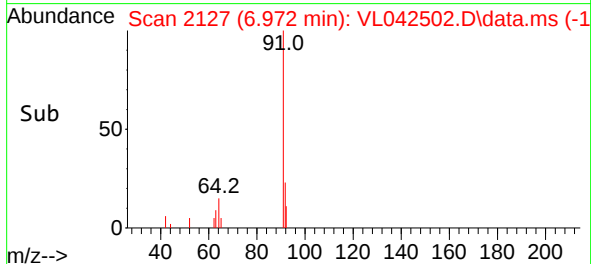
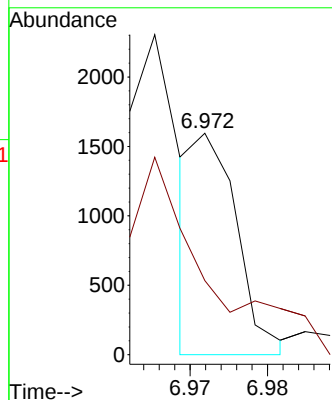
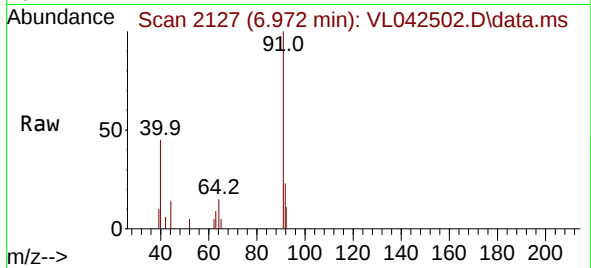




#53
Toluene
Concen: 0.034 ppbv
RT: 6.972 min Scan# 2114
Delta R.T. 0.042 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

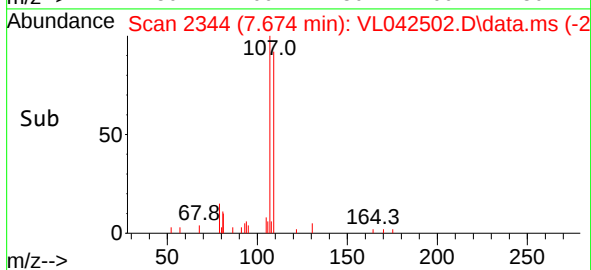
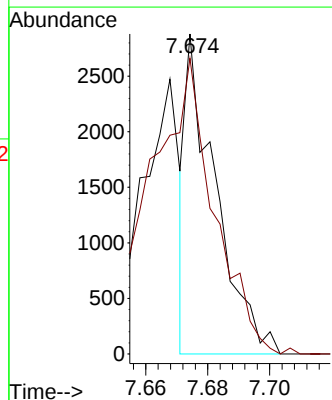
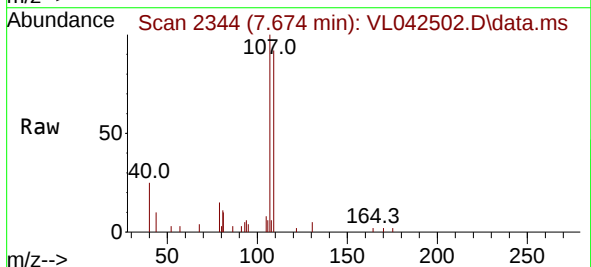
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

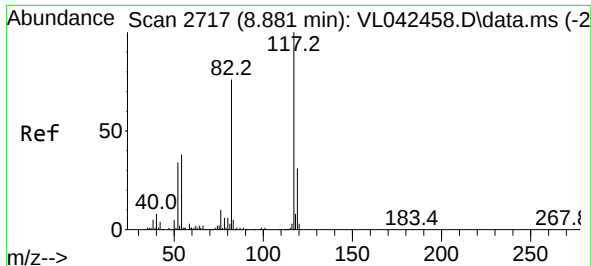
Tgt Ion: 91 Resp: 615
Ion Ratio Lower Upper
91 100
92 0.0 47.9 71.9#



#54
1,2-Dibromoethane
Concen: 0.182 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 107 Resp: 1925
Ion Ratio Lower Upper
107 100
109 92.4 76.0 114.0

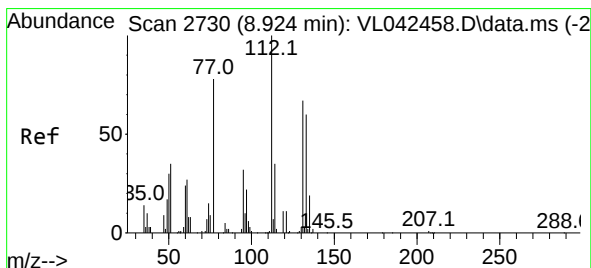
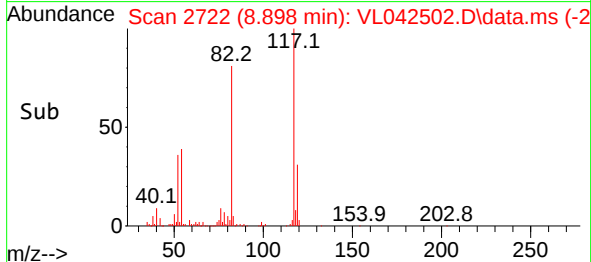
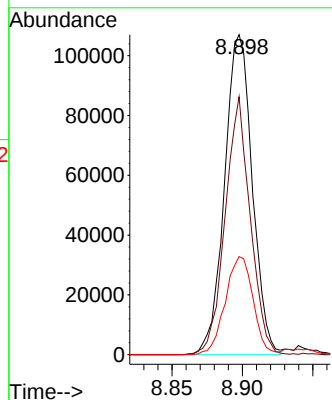
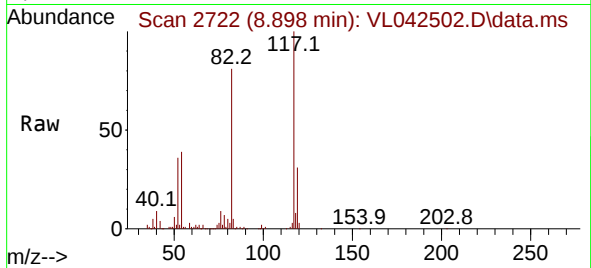




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

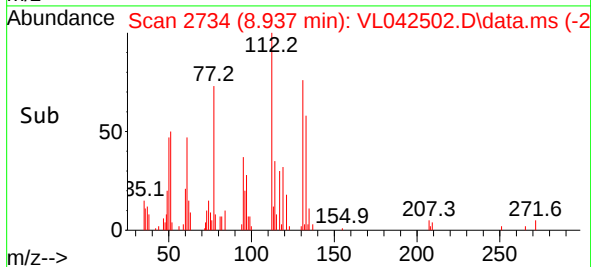
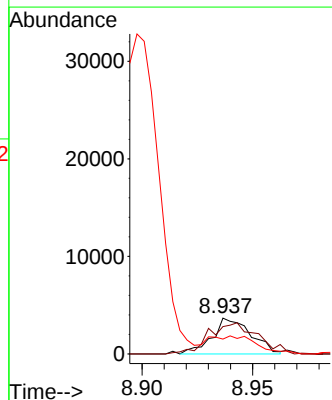
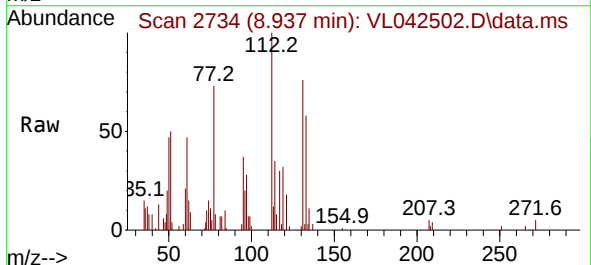
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

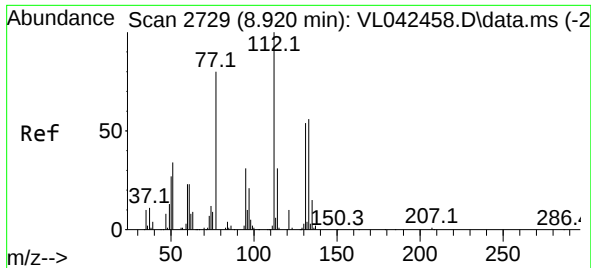
Tgt Ion:117	Resp:	146916
Ion Ratio	Lower	Upper
117	100	
82	73.2	63.5 95.3
119	32.6	25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:131	Resp:	4485
Ion Ratio	Lower	Upper
131	100	
133	110.2	76.0 114.0
119	0.0	46.1 69.1#

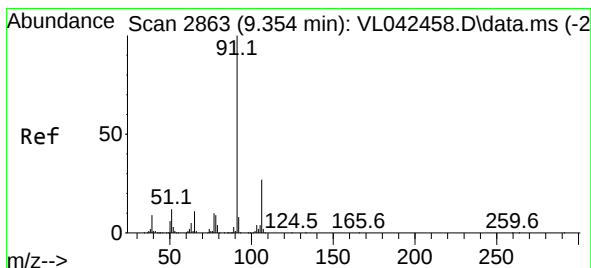
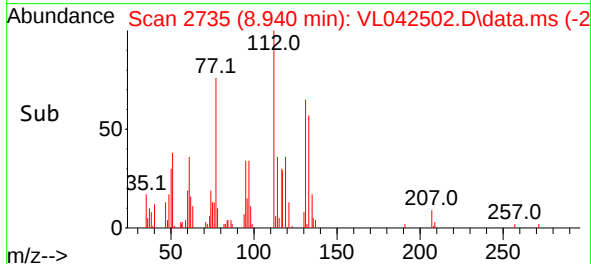
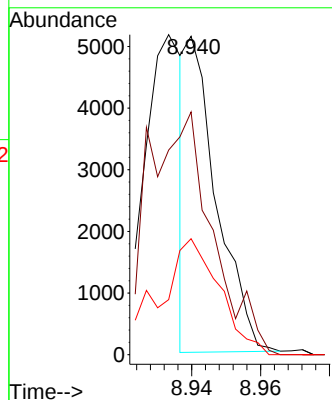
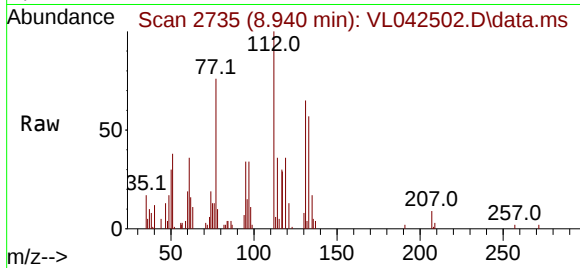




#57
Chlorobenzene
Concen: 0.213 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

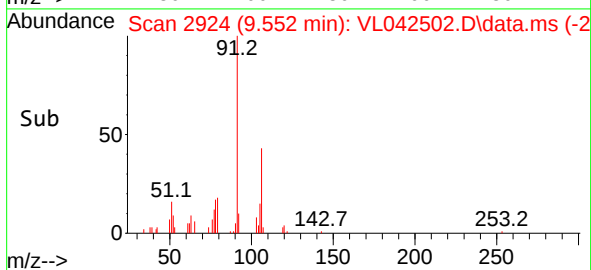
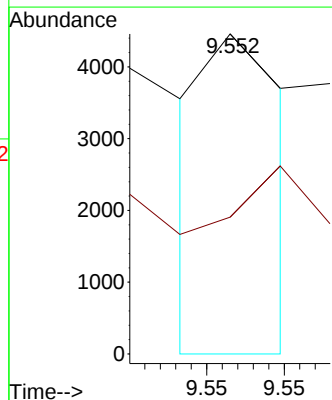
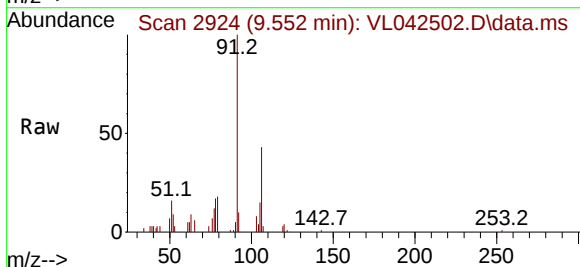
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

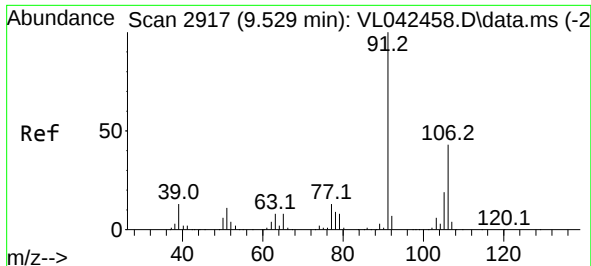
Tgt Ion	Ratio	Lower	Upper
112	100		
77	77.1	65.0	97.4
114	36.9	27.5	33.7



#58
Ethyl Benzene
Concen: 0.064 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. 0.197 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.7	21.9	32.9





#59

m/p-Xylene

Concen: 0.192 ppbv

RT: 9.545 min Scan# 2917

Delta R.T. 0.016 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

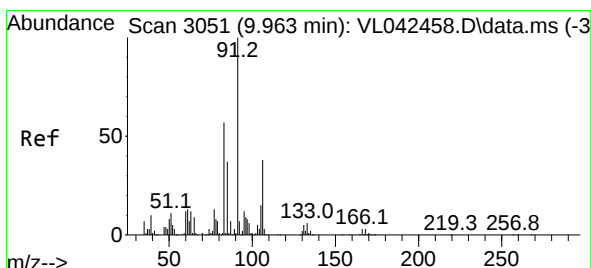
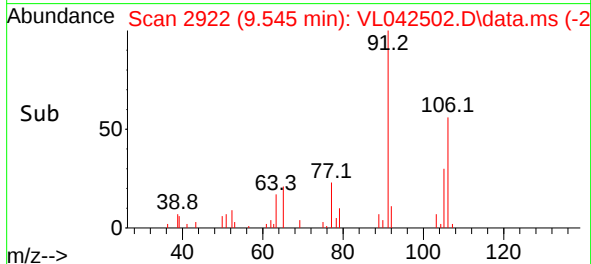
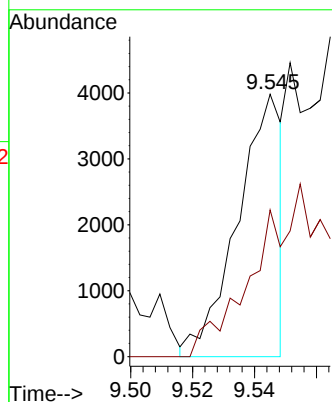
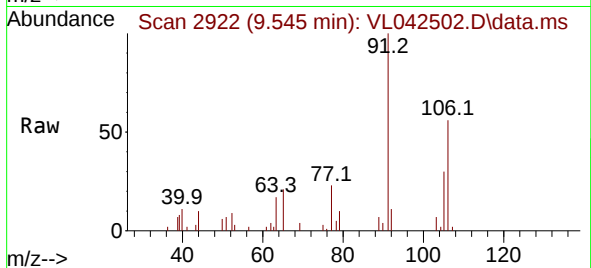
MDL2 0.40

Tgt Ion: 91 Resp: 3942

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 0.276 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042502.D

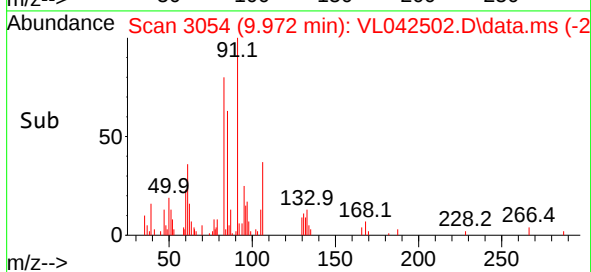
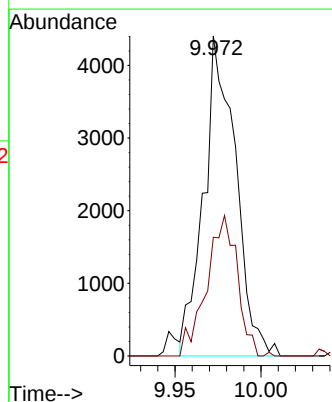
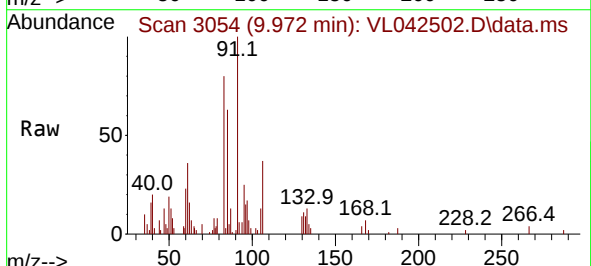
Acq: 06 May 2025 18:07

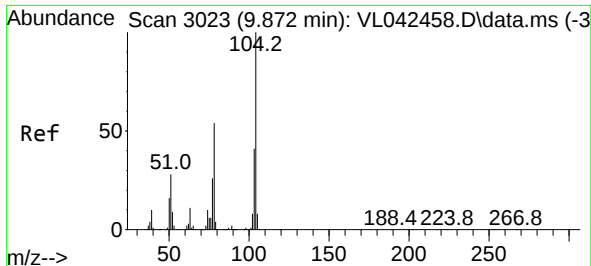
Tgt Ion: 91 Resp: 5683

Ion Ratio Lower Upper

91 100

106 42.3 20.1 60.2

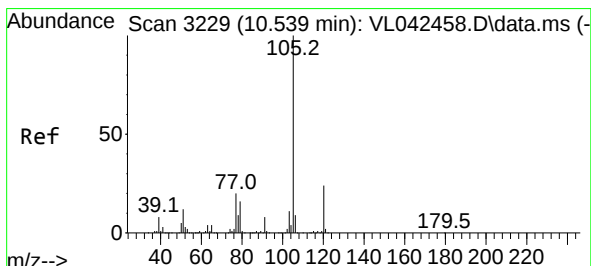
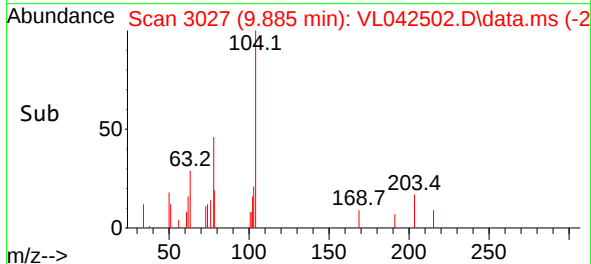
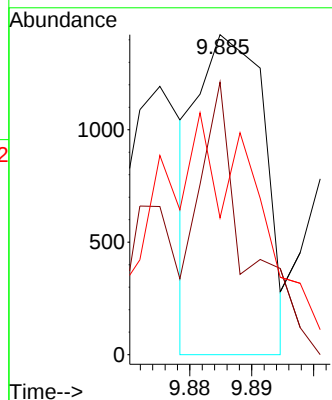
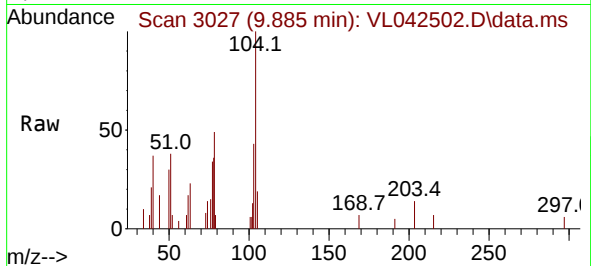




#61
Styrene
Concen: 0.138 ppbv
RT: 9.885 min Scan# 3023
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

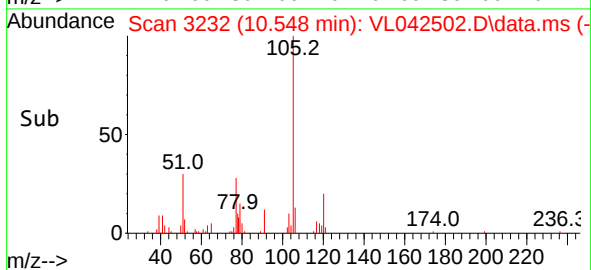
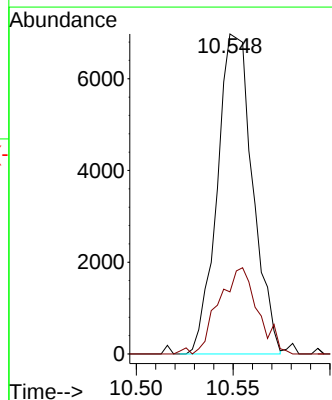
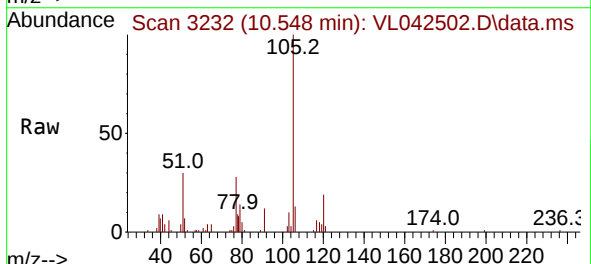
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

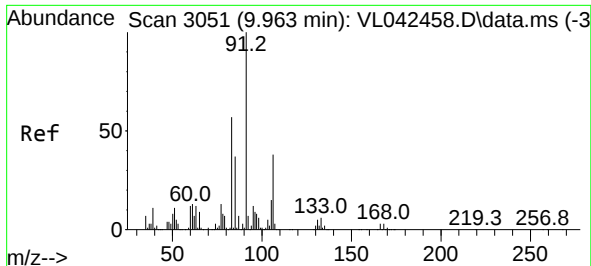
Tgt Ion:104 Resp: 1065
Ion Ratio Lower Upper
104 100
78 101.2 46.9 70.3#
103 118.2 36.6 55.0#



#62
Isopropylbenzene
Concen: 0.299 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:105 Resp: 8884
Ion Ratio Lower Upper
105 100
120 29.8 18.8 28.2#

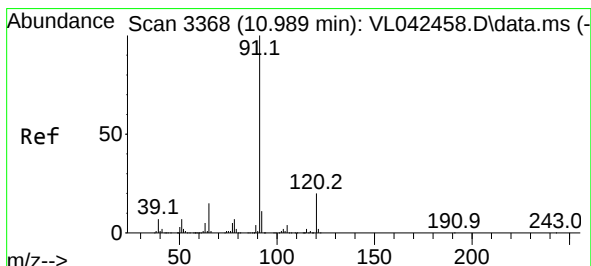
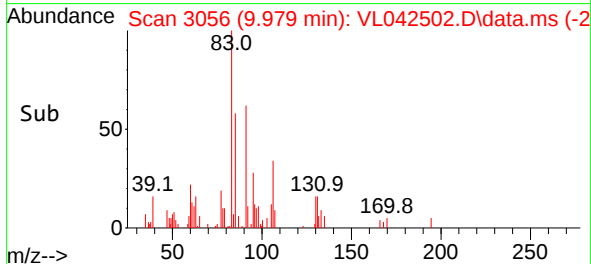
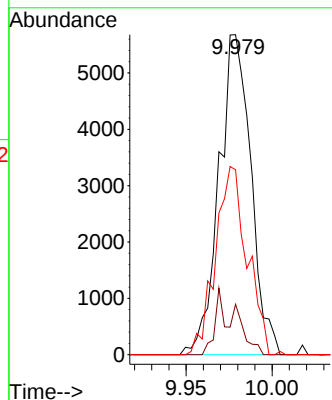
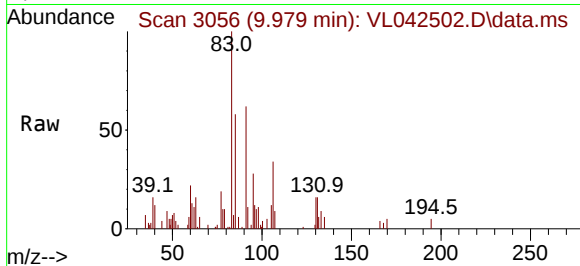




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.517 ppbv
 RT: 9.979 min Scan# 3051
 Delta R.T. 0.016 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

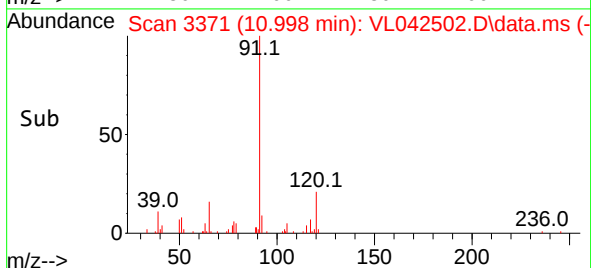
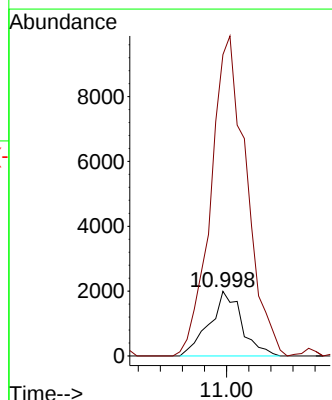
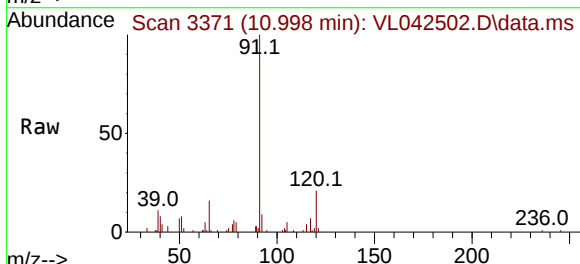
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

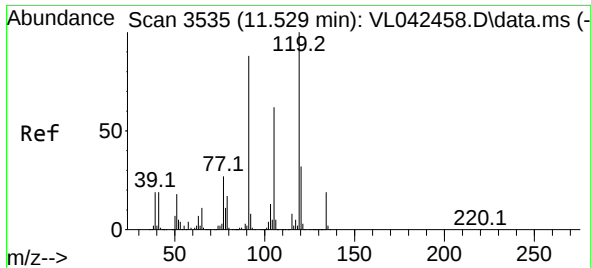
Tgt Ion: 83 Resp: 7339
 Ion Ratio Lower Upper
 83 100
 131 12.5 4.7 14.1
 85 58.5 32.5 97.4



#64
 n-propylbenzene
 Concen: 0.279 ppbv
 RT: 10.998 min Scan# 3371
 Delta R.T. 0.010 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 120 Resp: 2029
 Ion Ratio Lower Upper
 120 100
 91 549.5 408.6 612.8

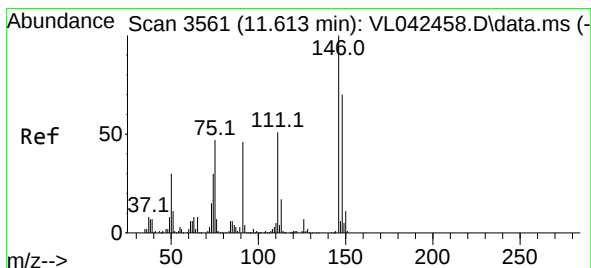
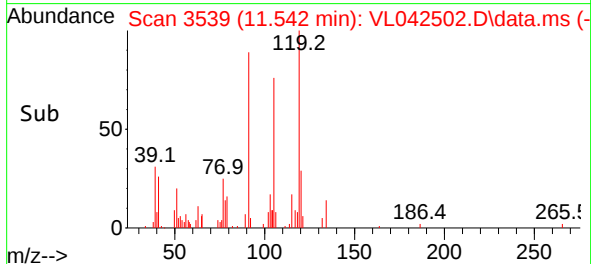
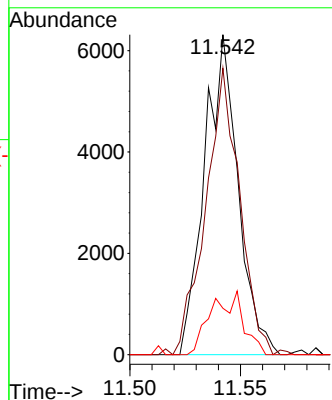
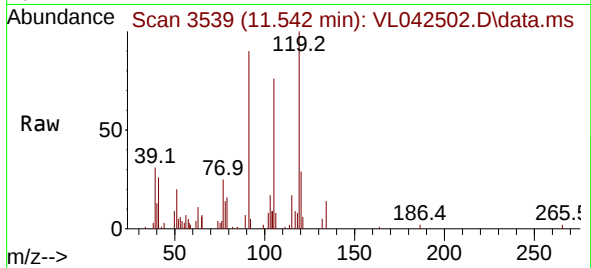




#65
tert-Butylbenzene
Concen: 0.251 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

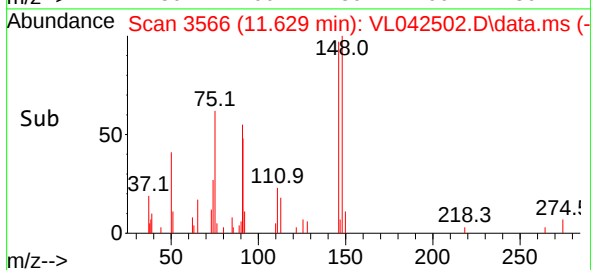
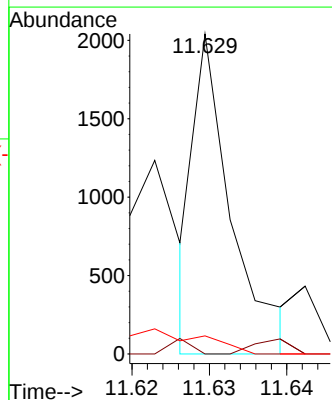
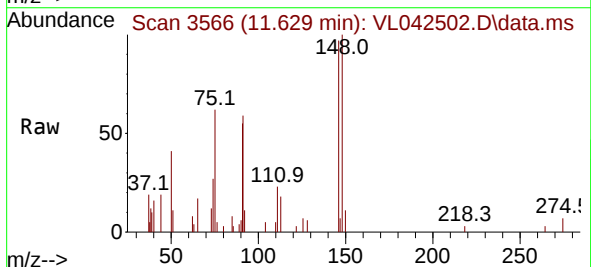
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

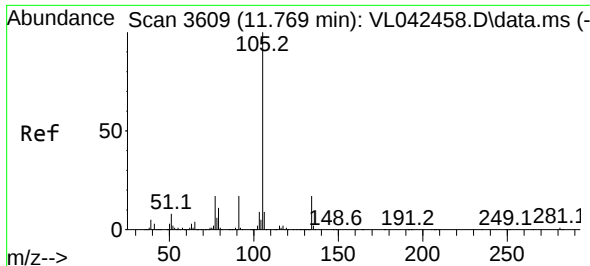
Tgt Ion:119 Resp: 6663
Ion Ratio Lower Upper
119 100
91 90.9 71.6 107.4
134 19.1 15.0 22.4



#66
Benzyl Chloride
Concen: 0.224 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. 0.016 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 91 Resp: 687
Ion Ratio Lower Upper
91 100
126 0.0 13.3 19.9#
128 0.0 4.2 6.4#

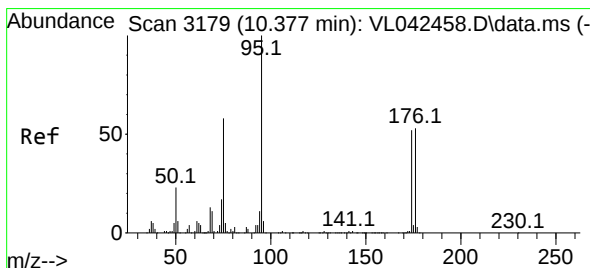
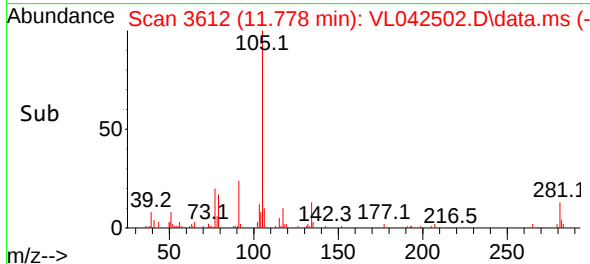
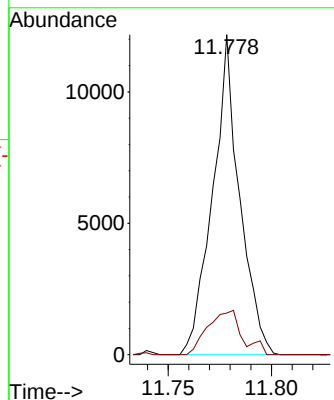
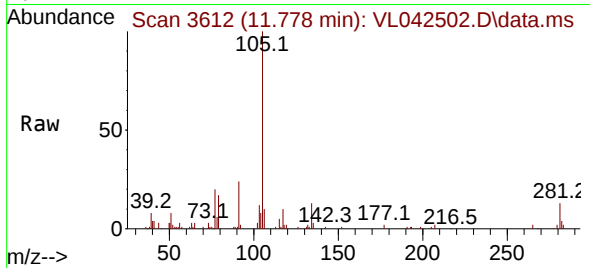




#67
 sec-Butylbenzene
 Concen: 0.293 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.010 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

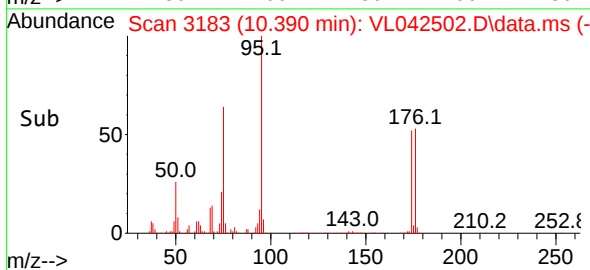
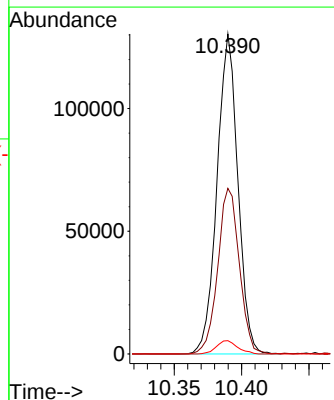
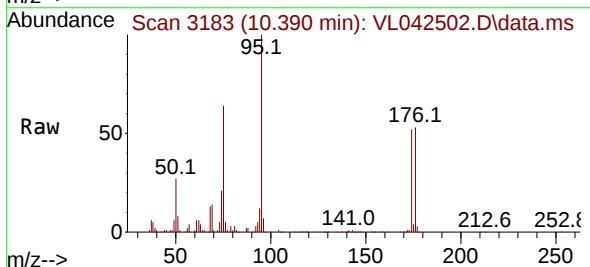
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

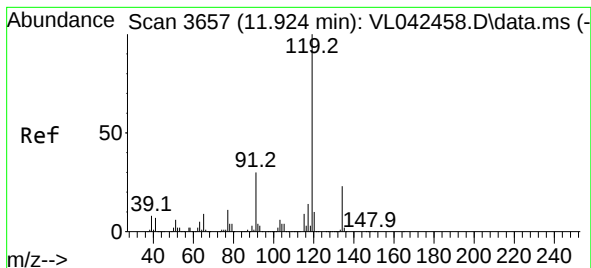
Tgt Ion:105 Resp: 11045
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.294 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.013 min
 Lab File: VL042502.D
 Acq: 06 May 2025 18:07

Tgt Ion: 95 Resp: 140214
 Ion Ratio Lower Upper
 95 100
 174 53.7 42.7 64.1
 175 4.2 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.243 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

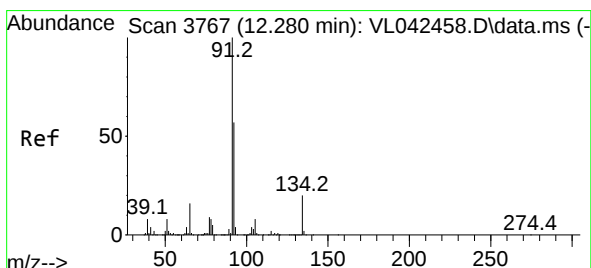
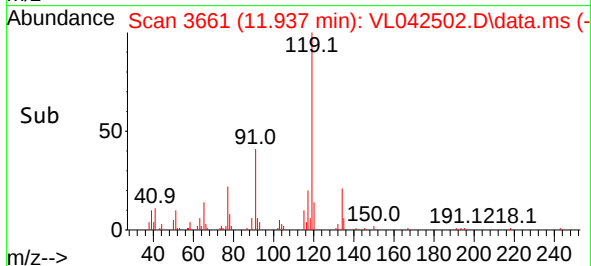
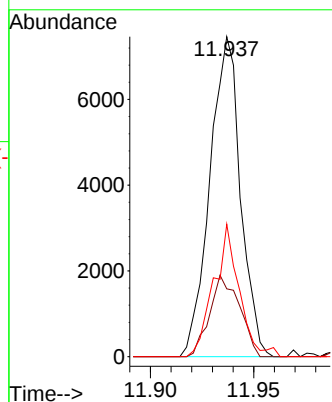
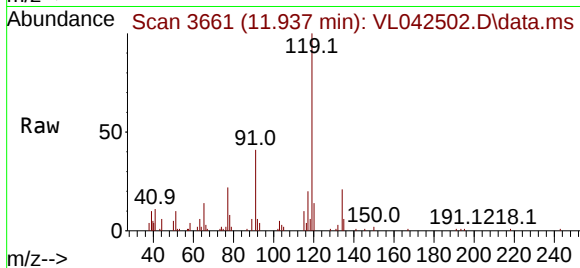
Tgt Ion:119 Resp: 7712

Ion Ratio Lower Upper

119 100

134 24.6 19.0 28.4

91 34.4 25.5 38.3



#70

n-Butylbenzene

Concen: 0.257 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

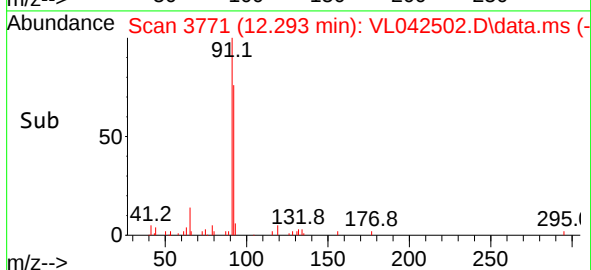
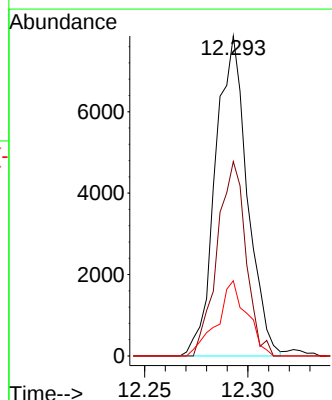
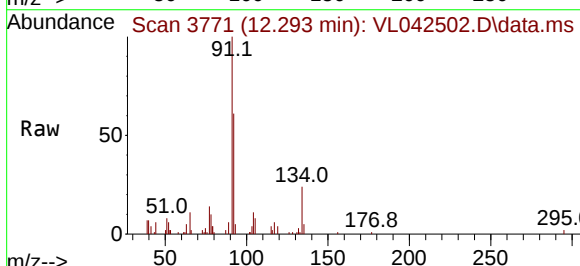
Tgt Ion: 91 Resp: 8444

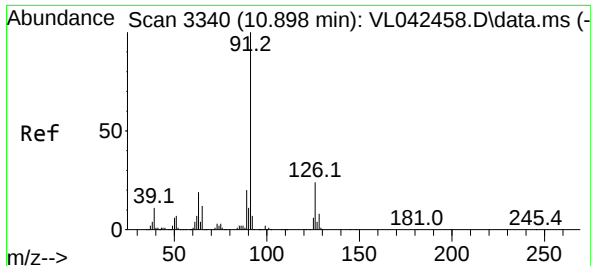
Ion Ratio Lower Upper

91 100

92 54.6 44.0 66.0

134 22.0 16.8 25.2

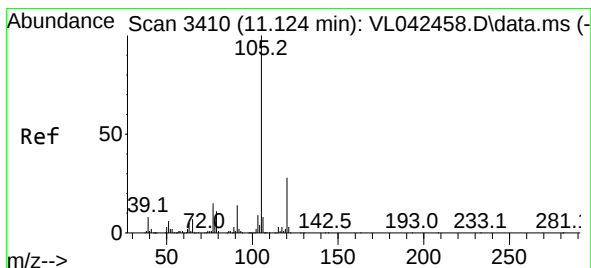
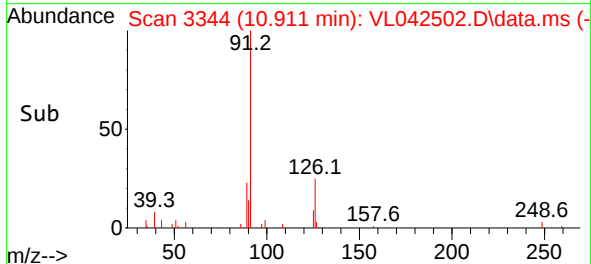
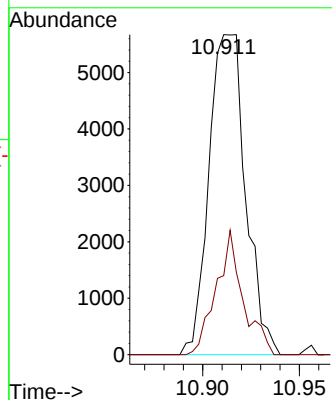
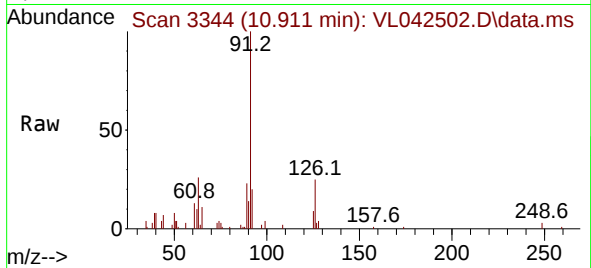




#71
2-Chlorotoluene
Concen: 0.321 ppbv
RT: 10.911 min Scan# 311
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

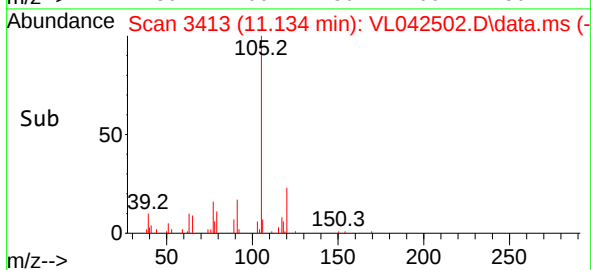
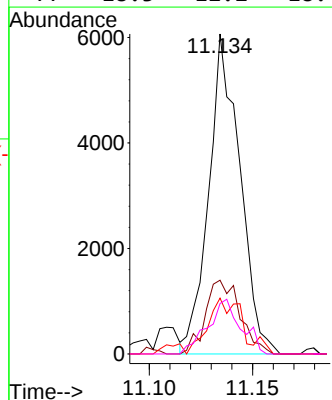
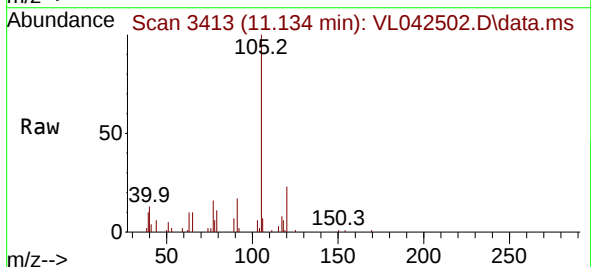
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

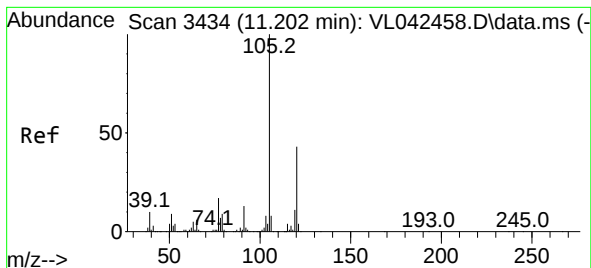
Tgt Ion: 91 Resp: 7493
Ion Ratio Lower Upper
91 100
126 28.3 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.261 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.010 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion: 105 Resp: 6341
Ion Ratio Lower Upper
105 100
120 26.6 22.0 33.0
91 21.3 11.2 16.8#
77 18.3 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.285 ppbv

RT: 11.215 min Scan# 34

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

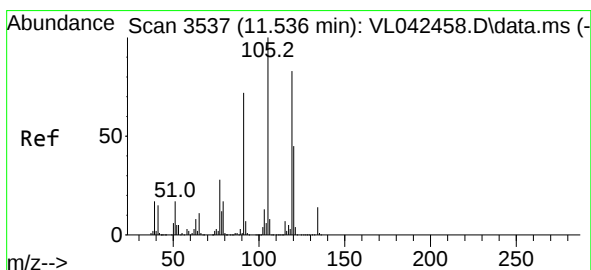
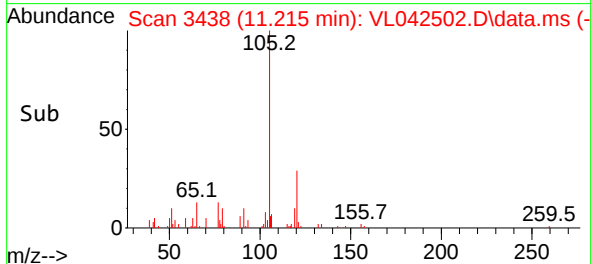
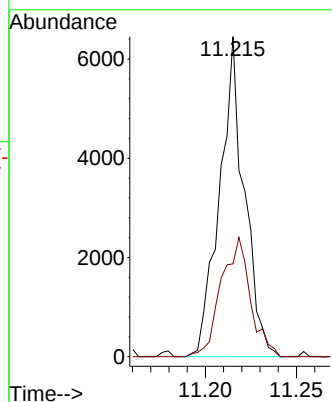
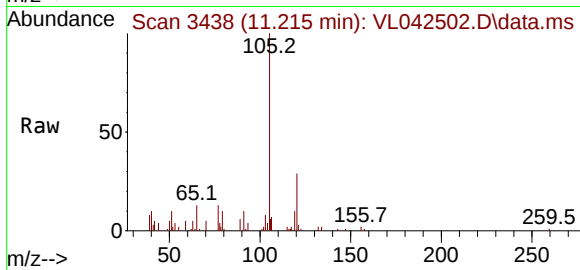
MDL2 0.40

Tgt Ion:105 Resp: 6099

Ion Ratio Lower Upper

105 100

120 27.3 34.4 51.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.280 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.010 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Tgt Ion:105 Resp: 7236

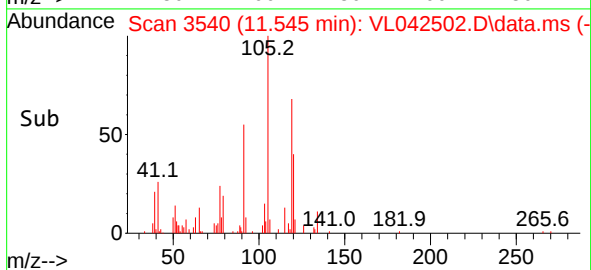
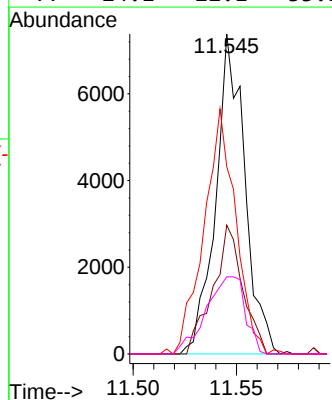
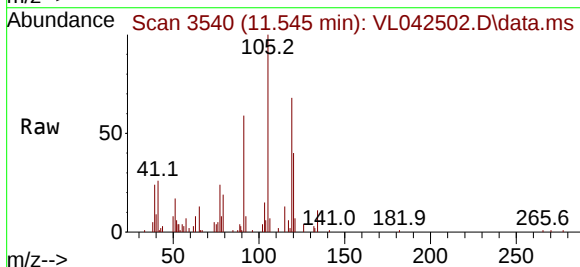
Ion Ratio Lower Upper

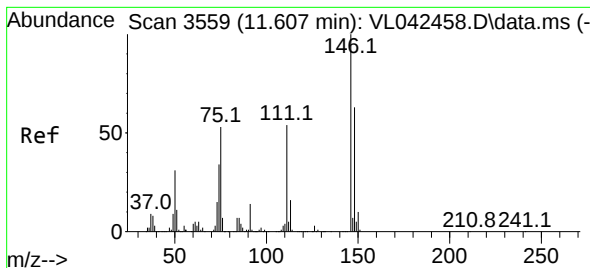
105 100

120 40.3 36.1 54.1

91 57.6 57.6 86.4

77 24.1 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 0.412 ppbv

RT: 11.620 min Scan# 3559

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

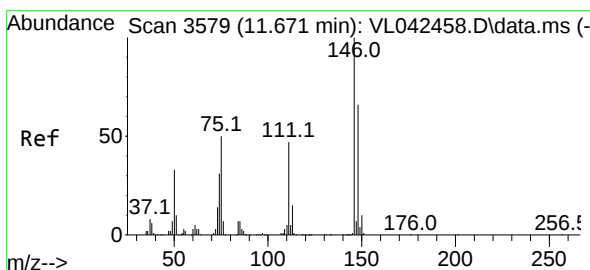
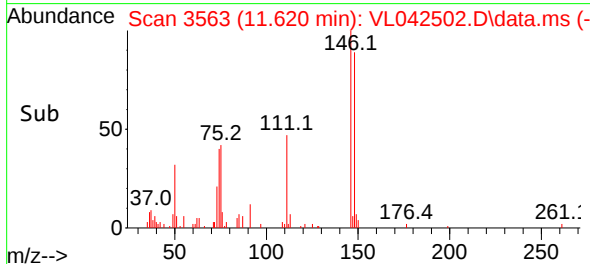
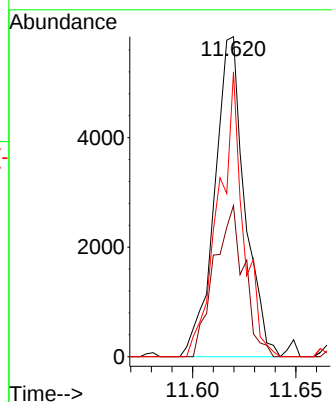
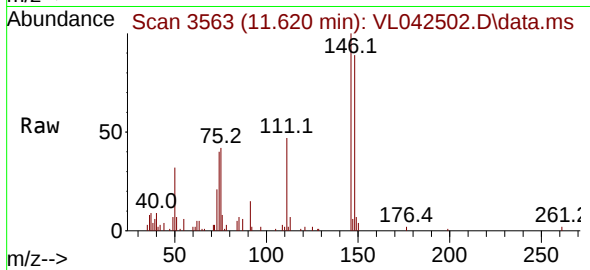
Tgt Ion:146 Resp: 5936

Ion Ratio Lower Upper

146 100

111 47.0 26.1 78.3

148 73.9 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 0.371 ppbv

RT: 11.684 min Scan# 3583

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

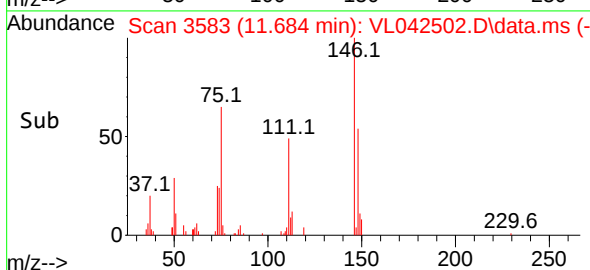
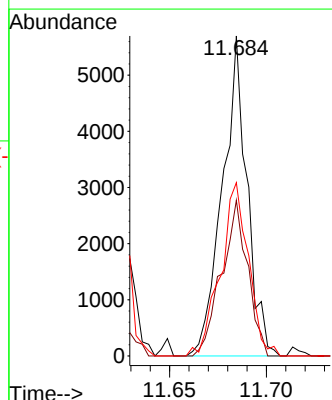
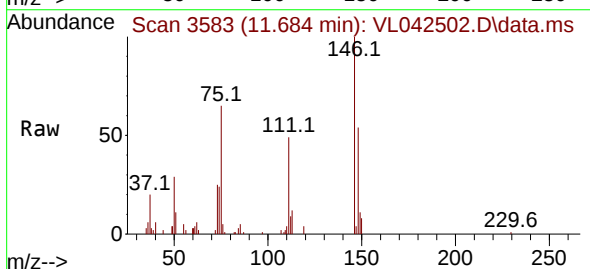
Tgt Ion:146 Resp: 5050

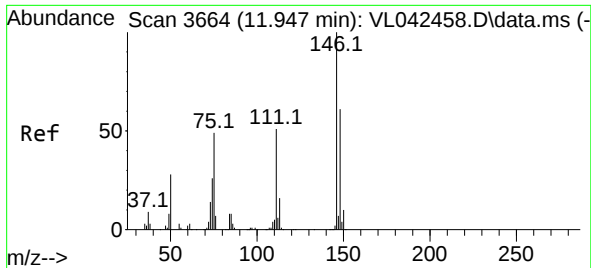
Ion Ratio Lower Upper

146 100

111 51.5 24.4 73.2

148 61.4 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 0.466 ppbv

RT: 11.960 min Scan# 3

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

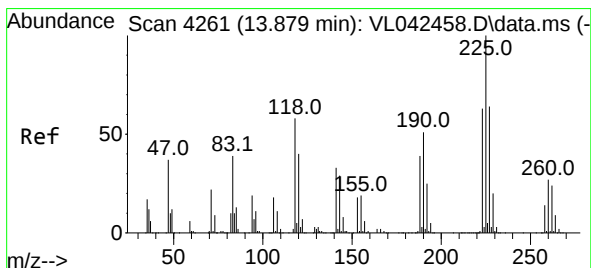
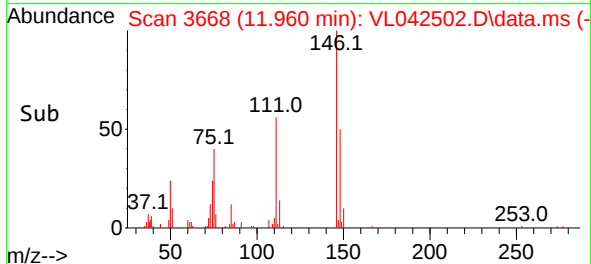
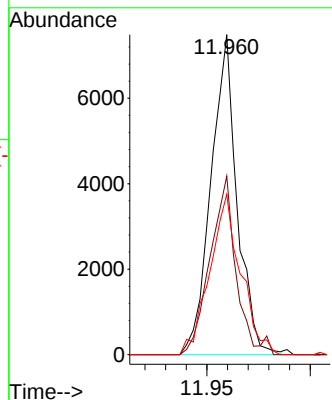
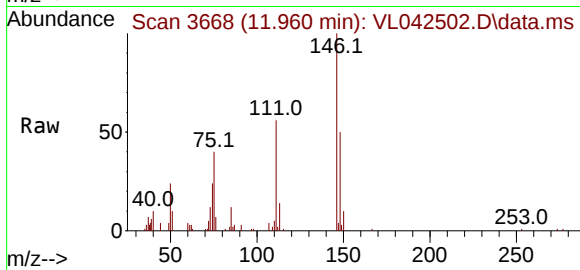
Tgt Ion:146 Resp: 6571

Ion Ratio Lower Upper

146 100

111 55.6 26.5 79.5

148 59.5 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.517 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

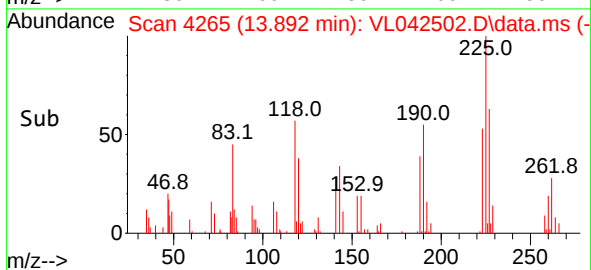
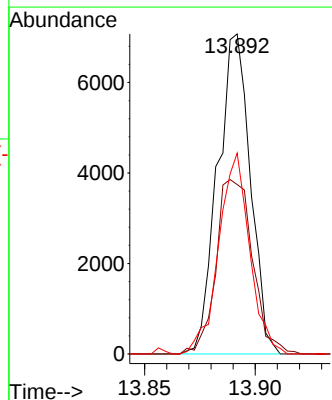
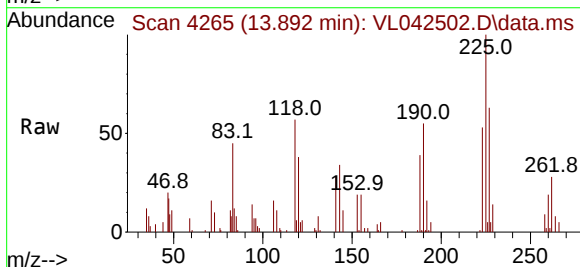
Tgt Ion:225 Resp: 7279

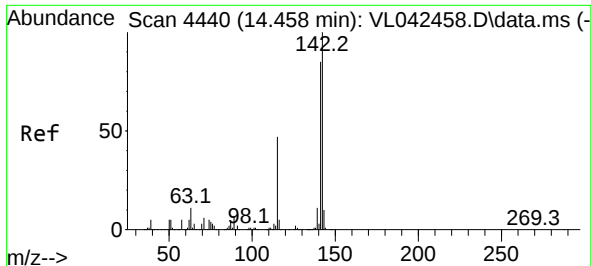
Ion Ratio Lower Upper

225 100

223 60.7 50.2 75.4

227 59.8 51.2 76.8

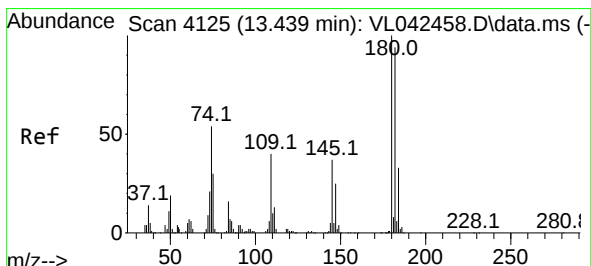
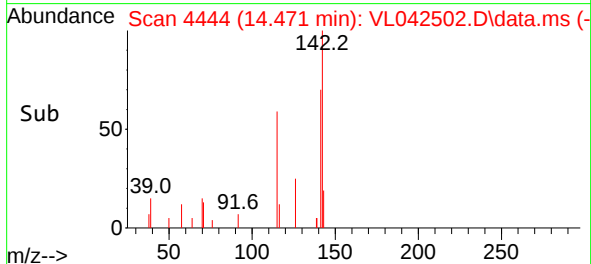
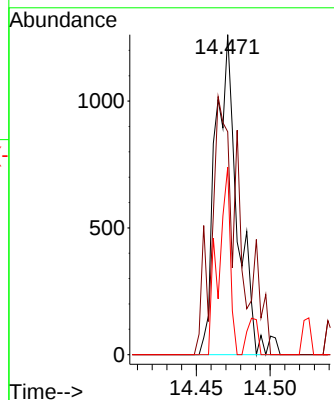
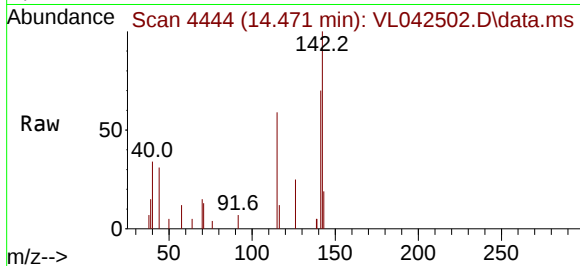




#80
Naphthalene, 2-methyl-
Concen: 0.082 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

Tgt Ion:142 Resp: 1321
Ion Ratio Lower Upper
142 100
141 101.1 67.4 101.0#
115 36.9 36.9 55.3



#81
1,2,4-Trichlorobenzene
Concen: 0.156 ppbv
RT: 13.452 min Scan# 4129
Delta R.T. 0.013 min
Lab File: VL042502.D
Acq: 06 May 2025 18:07

Tgt Ion:180 Resp: 1811
Ion Ratio Lower Upper
180 100
182 145.3 74.6 111.8#
184 0.0 24.9 37.3#

