

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042523.D
 Acq On : 07 May 2025 17:58
 Operator : SY/MD
 Sample : MDL3 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.1

Quant Time: May 08 01:42:24 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	2.793	49	74308	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	181735	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.894	117	153485	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.387	95	139161	9.779	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1643	0.134	ppbv	93
3) Chlorodifluoromethane	1.476	51	1770	0.136	ppbv	95
4) Chloromethane	1.534	50	728	0.142	ppbv #	33
5) Vinyl Chloride	1.583	62	700	0.135	ppbv	93
6) Bromomethane	1.670	94	452	0.185	ppbv #	74
7) Chloroethane	1.703	64	298	0.156	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	1204	0.119	ppbv #	79
9) Propene	1.483	41	502	0.118	ppbv #	56
10) Heptane	4.998	43	228	0.021	ppbv #	1
11) Trichlorofluoromethane	1.881	101	1223	0.108	ppbv #	74
12) 1,1,2-Trichlorotrifluo...	2.140	101	1168	0.129	ppbv	88
13) Ethanol	1.722	45	261	0.302	ppbv #	1
14) Bromoethene	1.784	108	466	0.139	ppbv #	76
15) Acetone	1.842	43	2605	0.192	ppbv #	80
16) 1,3-Butadiene	1.609	39	596	0.100	ppbv #	36
17) tert-Butyl alcohol	2.052	59	491	0.041	ppbv	95
18) 1,1-Dichloroethene	2.036	96	497	0.117	ppbv #	54
19) Isopropyl Alcohol	1.894	45	1279	0.170	ppbv #	95
20) Methylene Chloride	2.065	84	1397	0.343	ppbv #	81
21) Allyl Chloride	2.101	41	845	0.097	ppbv #	64
22) trans-1,2-Dichloroethene	2.340	96	590	0.119	ppbv #	49
23) Vinyl Acetate	2.470	43	1620	0.125	ppbv #	90
24) 1,1-Dichloroethane	2.411	63	1361	0.135	ppbv #	90
25) Ethyl Acetate	2.848	43	837	0.039	ppbv #	66
26) Hexane	2.832	57	412	0.044	ppbv #	1
27) Carbon Disulfide	2.153	76	1311	0.119	ppbv #	55
28) Methyl tert-Butyl Ether	2.447	73	498	0.088	ppbv #	4
29) Chloroform	2.855	83	1996	0.113	ppbv	99
30) Cyclohexane	3.868	84	321	0.041	ppbv #	45
31) cis-1,2-Dichloroethene	2.725	61	748	0.068	ppbv #	83
32) 1,1,1-Trichloroethane	3.382	97	583	0.030	ppbv #	1
34) 2-Butanone	2.570	43	1325	0.101	ppbv #	74
35) Carbon Tetrachloride	3.774	117	1856	0.112	ppbv #	65
36) Benzene	3.661	78	1639	0.096	ppbv #	90
37) 1,2-Dichloroethane	3.230	62	574	0.043	ppbv #	39
38) Trichloroethene	4.554	130	167	0.026	ppbv #	38
39) 1,2-Dichloropropane	3.968	63	54337	8.463	ppbv #	21
40) 1,4-Dioxane	4.583	88	43	0.014	ppbv #	100
41) Tetrahydrofuran	3.081	42	419	0.067	ppbv #	46
42) Bromodichloromethane	4.502	83	1291	0.080	ppbv #	86
43) Methyl Methacrylate	4.894	69	144	0.023	ppbv #	1
44) 2,2,4-Trimethylpentane	4.654	57	573	0.021	ppbv #	1
45) t-1,3-Dichloropropene	6.435	75	256	0.030	ppbv #	42

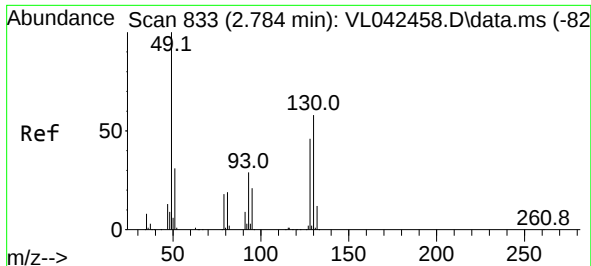
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042523.D
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Instrument :
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 ClientSampleId :
 MDL3 0.1

Quant Time: May 08 01:42:24 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	5.622	75	233	0.023	ppbv	#	24
47) 1,1,2-Trichloroethane	6.603	97	410	0.058	ppbv	#	88
48) Dibromochloromethane	7.399	129	896	0.075	ppbv		58
49) Bromoform	9.496	173	258	0.026	ppbv	#	1
50) 4-Methyl-2-Pentanone	5.765	43	43	0.003	ppbv	#	38
51) 2-Hexanone	7.464	43	585	0.044	ppbv	#	31
52) Tetrachloroethene	8.257	164	77	0.012	ppbv	#	85
53) Toluene	6.956	91	436	0.024	ppbv	#	21
54) 1,2-Dibromoethane	7.665	107	808	0.075	ppbv	#	63
56) 1,1,1,2-Tetrachloroethane	8.933	131	452	0.050	ppbv	#	10
57) Chlorobenzene	8.933	112	1452	0.094	ppbv	#	62
58) Ethyl Benzene	9.367	91	656	0.026	ppbv	#	61
59) m/p-Xylene	9.545	91	690	0.032	ppbv	#	33
60) o-Xylene	9.976	91	880	0.041	ppbv	#	35
61) Styrene	9.885	104	88	0.011	ppbv	#	1
62) Isopropylbenzene	10.552	105	899	0.029	ppbv	#	8
63) 1,1,2,2-Tetrachloroethane	9.972	83	1881	0.127	ppbv		98
64) n-propylbenzene	10.998	120	388	0.051	ppbv		78
65) tert-Butylbenzene	11.542	119	570	0.021	ppbv	#	4
66) Benzyl Chloride	11.623	91	180	0.056	ppbv	#	67
67) sec-Butylbenzene	11.778	105	2171	0.055	ppbv	#	91
69) p-Isopropyltoluene	11.943	119	289	0.009	ppbv	#	1
70) n-Butylbenzene	12.299	91	219	0.006	ppbv	#	33
71) 2-Chlorotoluene	10.908	91	975	0.040	ppbv		75
72) 4-Ethyltoluene	11.137	105	1216	0.048	ppbv	#	83
73) 1,3,5-Trimethylbenzene	11.215	105	1079	0.048	ppbv	#	83
74) 1,2,4-Trimethylbenzene	11.542	105	1591	0.059	ppbv	#	79
75) 1,3-Dichlorobenzene	11.623	146	150	0.010	ppbv	#	22
76) 1,4-Dichlorobenzene	11.681	146	497	0.035	ppbv	#	43
77) 1,2-Dichlorobenzene	11.953	146	1178	0.080	ppbv		86
78) Hexachloro-1,3-Butadiene	13.889	225	744	0.051	ppbv	#	19
79) Naphthalene	13.529	128	376	0.017	ppbv	#	70
80) Naphthalene,2-methyl-	14.177	142	46	0.003	ppbv	#	17
81) 1,2,4-Trichlorobenzene	13.455	180	171	0.014	ppbv	#	39

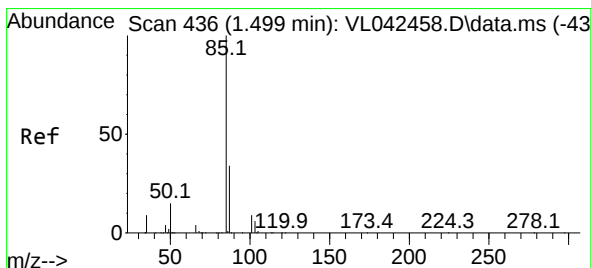
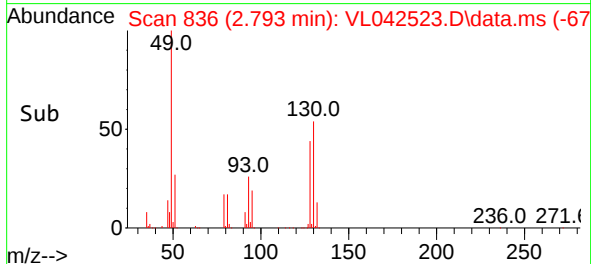
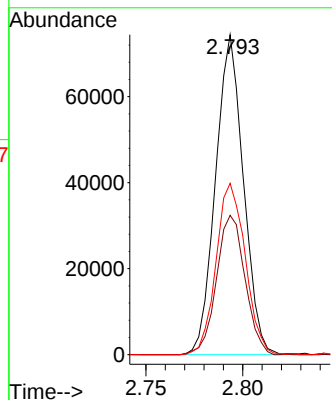
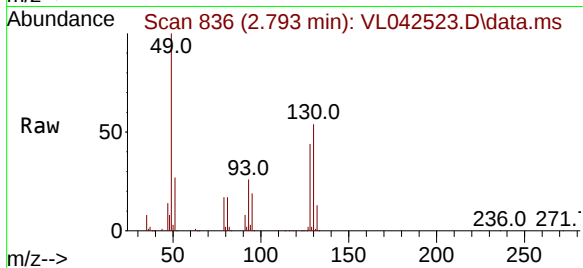
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

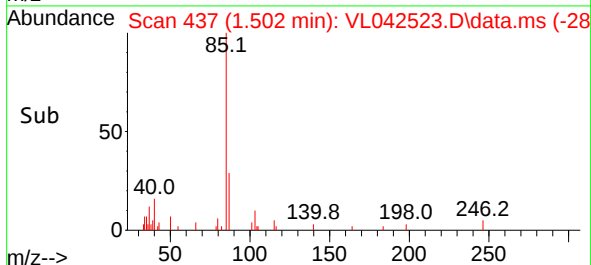
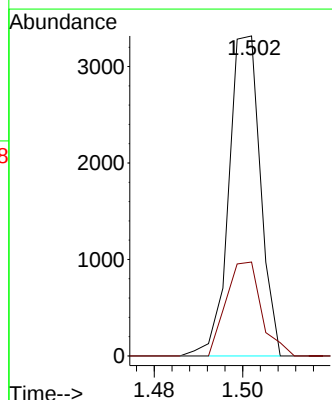
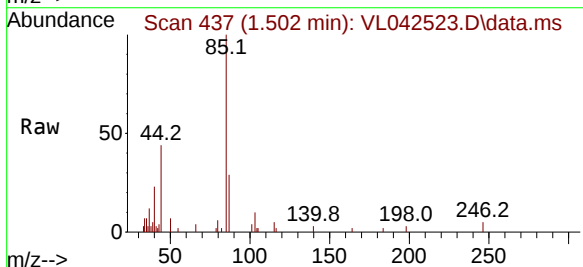
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

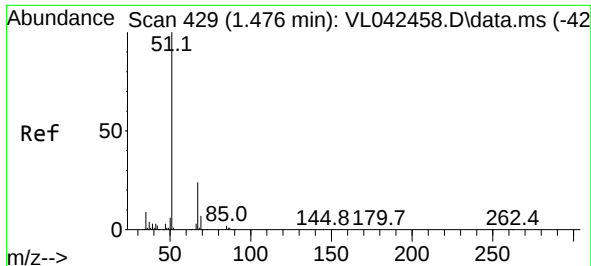
Tgt Ion: 49 Resp: 74308
Ion Ratio Lower Upper
49 100
128 44.7 23.3 69.9
130 56.3 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.134 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 85 Resp: 1643
Ion Ratio Lower Upper
85 100
87 29.4 26.9 40.3

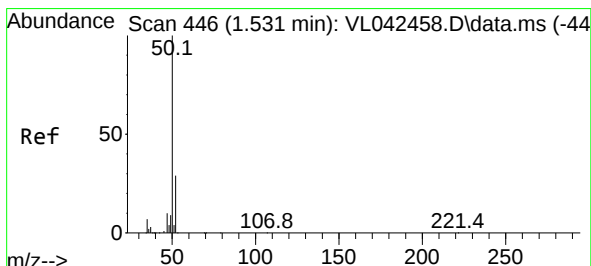
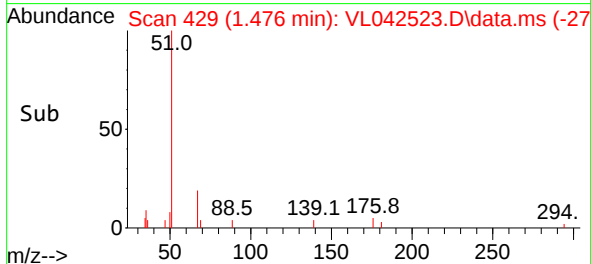
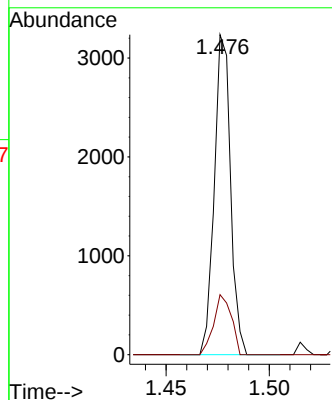
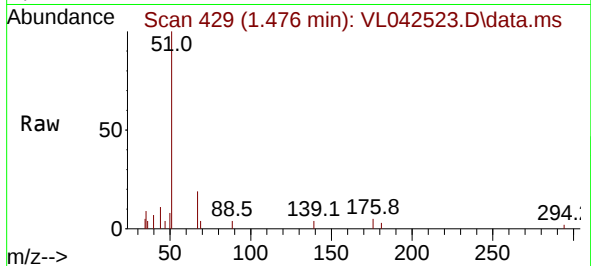




#3
Chlorodifluoromethane
Concen: 0.136 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

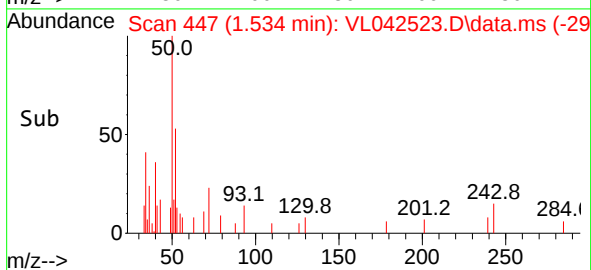
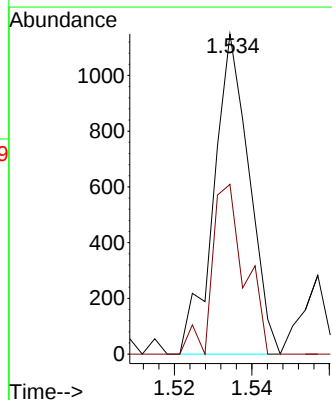
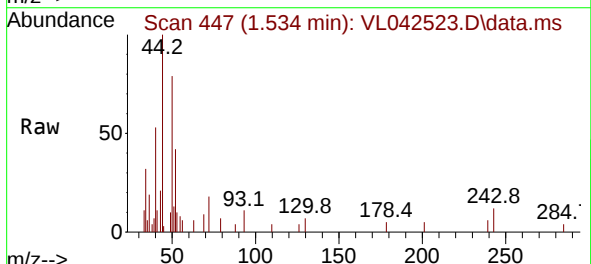
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MSVOA_L
ClientSampleId :
MDL3 0.1

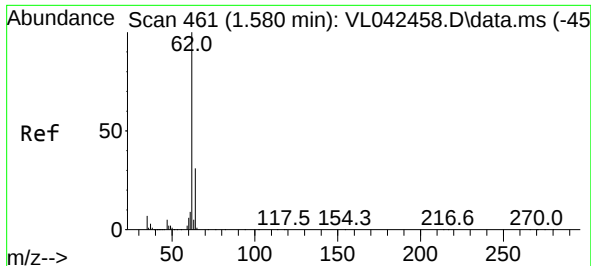
Tgt Ion: 51 Resp: 1770
Ion Ratio Lower Upper
51 100
67 20.4 18.4 27.6



#4
Chloromethane
Concen: 0.142 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 65.6 23.5 35.3#

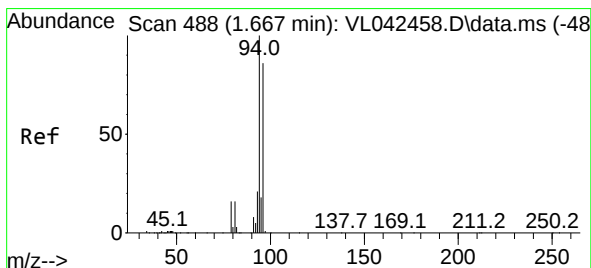
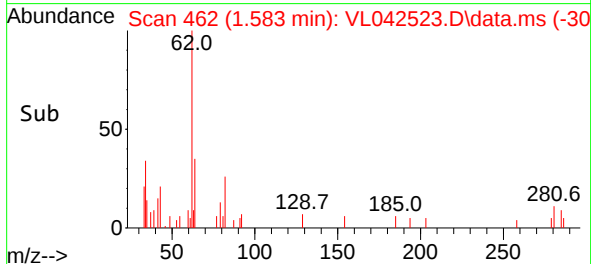
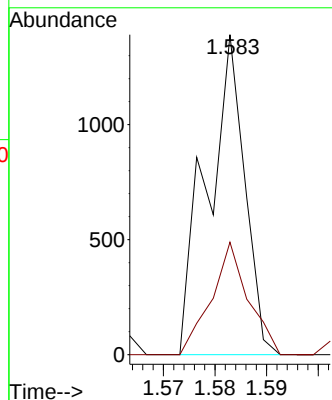
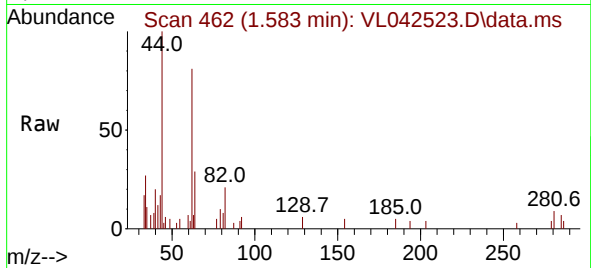




#5
 Vinyl Chloride
 Concen: 0.135 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

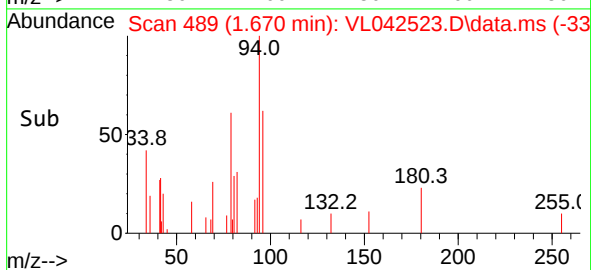
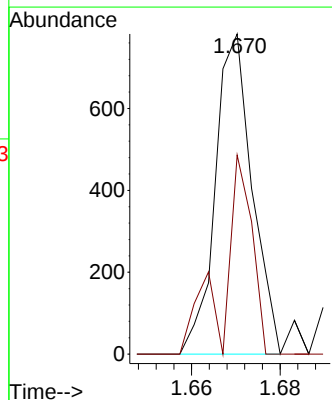
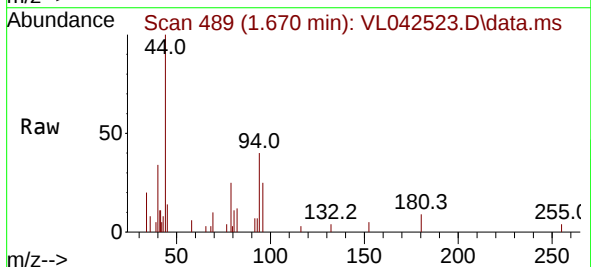
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL3 0.1

Tgt Ion: 62 Resp: 700
 Ion Ratio Lower Upper
 62 100
 64 35.2 24.9 37.3



#6
 Bromomethane
 Concen: 0.185 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

Tgt Ion: 94 Resp: 452
 Ion Ratio Lower Upper
 94 100
 96 62.1 68.8 103.2#

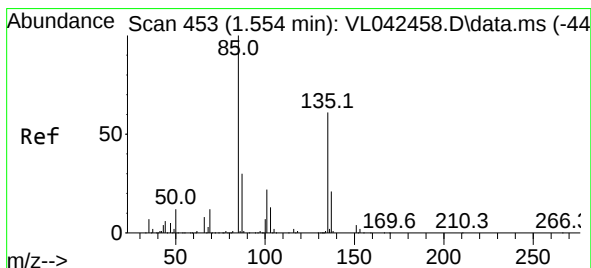
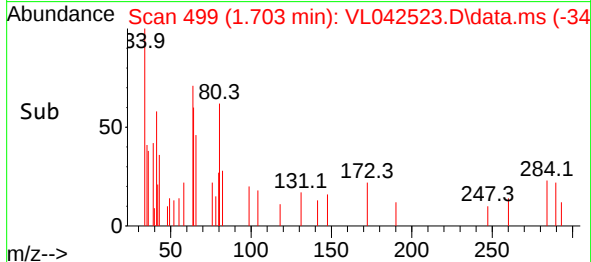
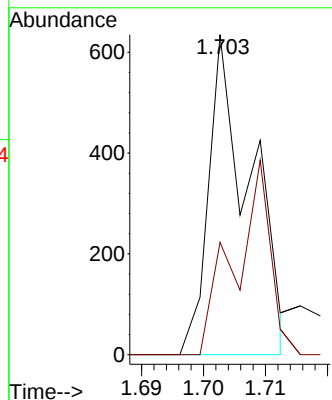
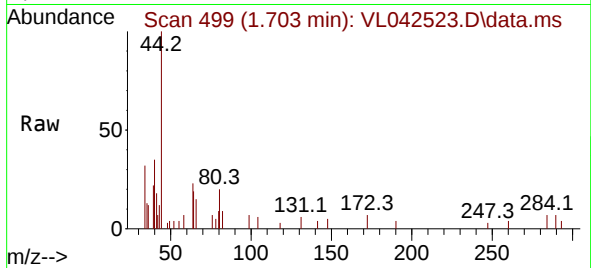




#7
Chloroethane
Concen: 0.156 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

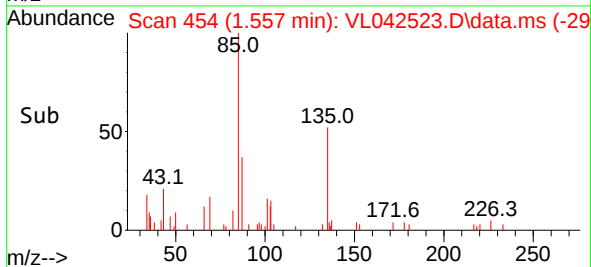
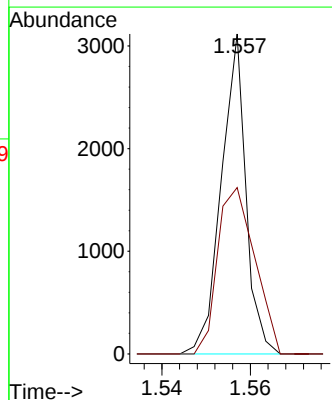
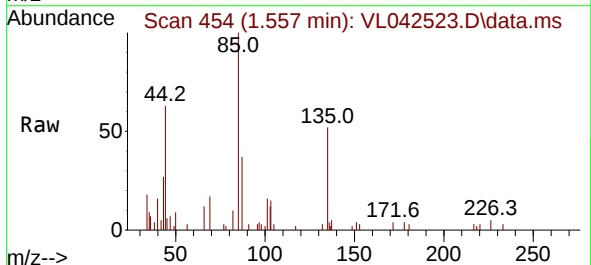
Instrument :
MSVOA_1
ClientSampleId :
MDL3 0.1

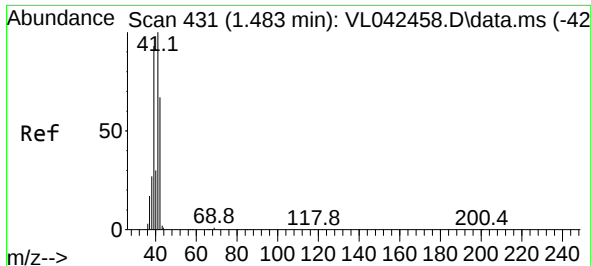
Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 35.1 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 0.119 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 85 Resp: 1204
Ion Ratio Lower Upper
85 100
135 78.6 49.8 74.8#





#9

Propene

Concen: 0.118 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

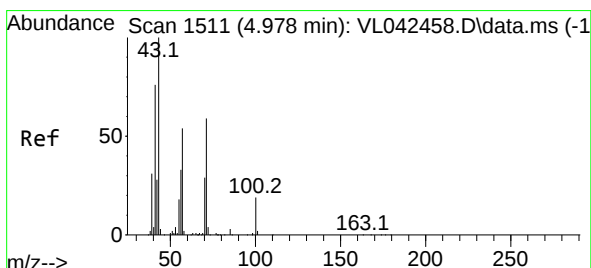
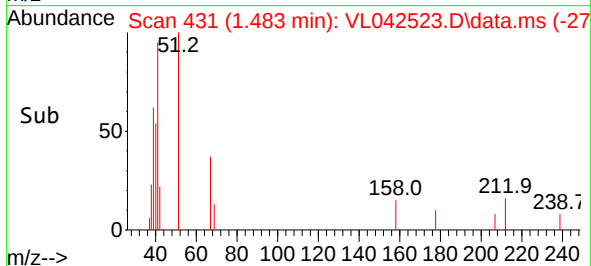
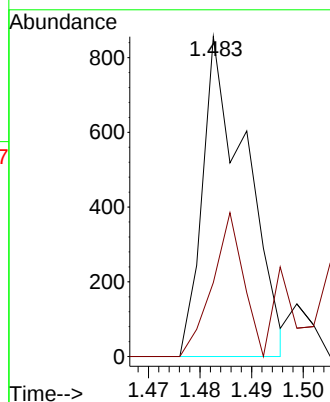
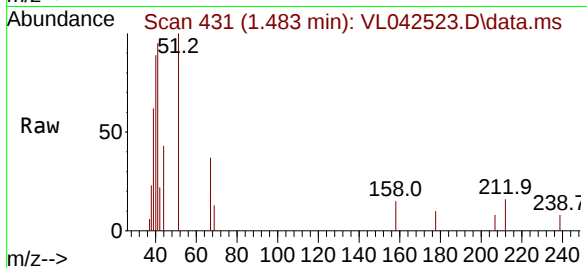
MDL3 0.1

Tgt Ion: 41 Resp: 502

Ion Ratio Lower Upper

41 100

42 32.1 54.3 81.5#



#10

Heptane

Concen: 0.021 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.019 min

Lab File: VL042523.D

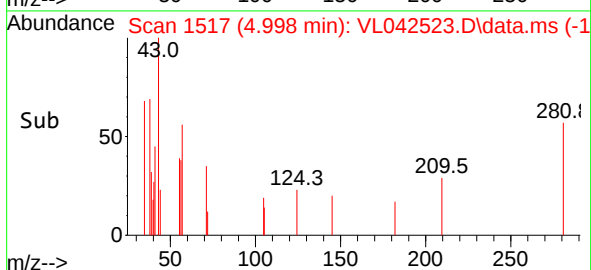
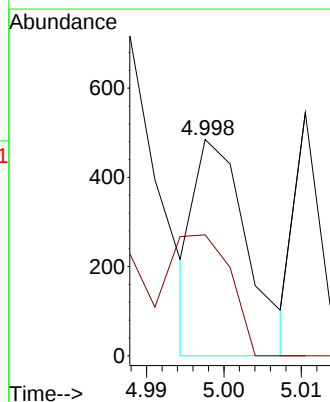
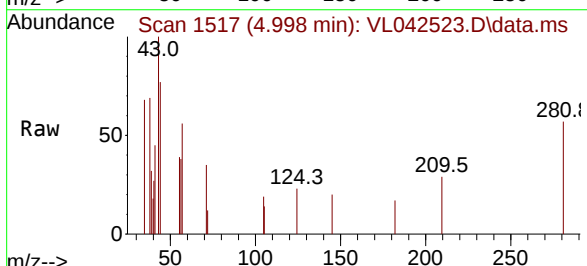
Acq: 07 May 2025 17:58

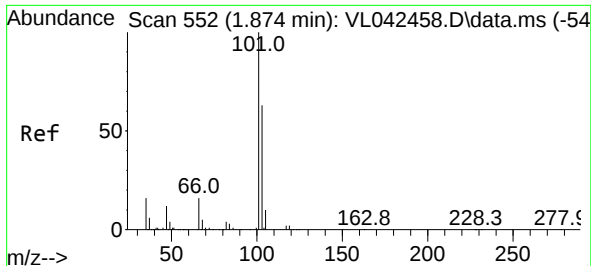
Tgt Ion: 43 Resp: 228

Ion Ratio Lower Upper

43 100

57 139.0 41.8 62.8#

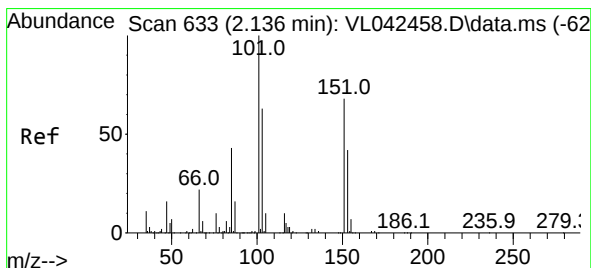
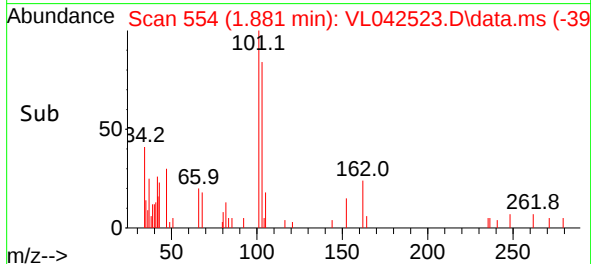
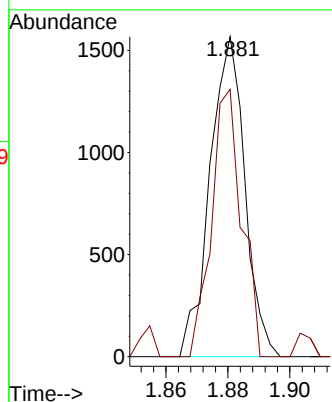
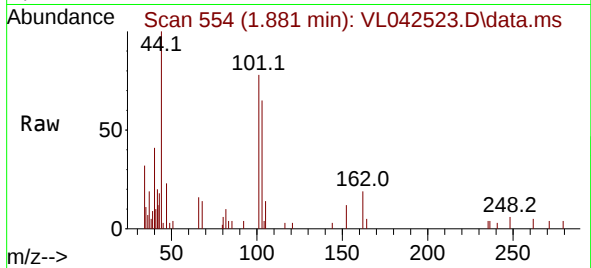




#11
Trichlorofluoromethane
Concen: 0.108 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

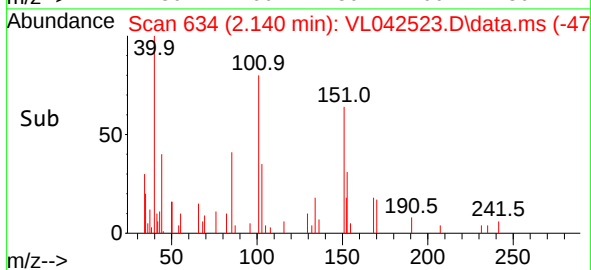
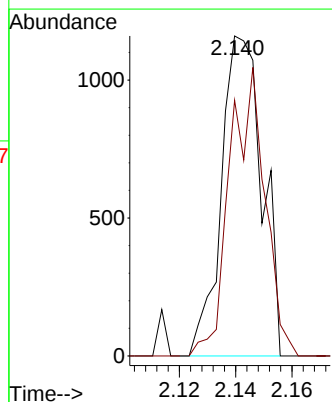
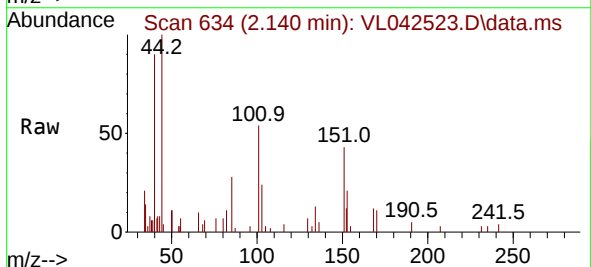
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MSVOA_L
ClientSampleId :
MDL3 0.1

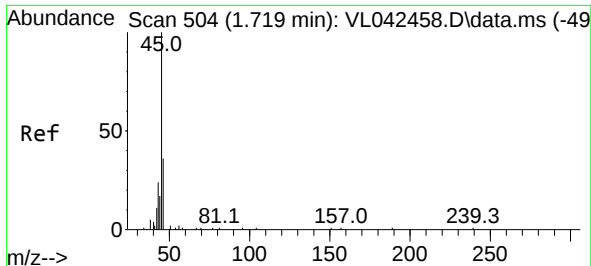
Tgt Ion:101 Resp: 1223
Ion Ratio Lower Upper
101 100
103 83.5 50.6 76.0#



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.129 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion:101 Resp: 1168
Ion Ratio Lower Upper
101 100
151 77.9 54.6 82.0

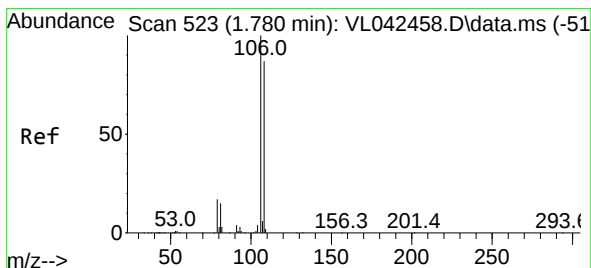
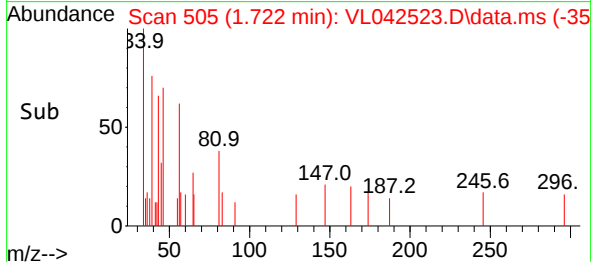
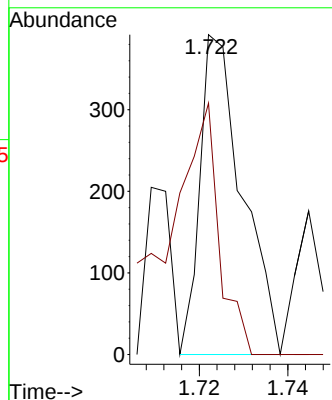
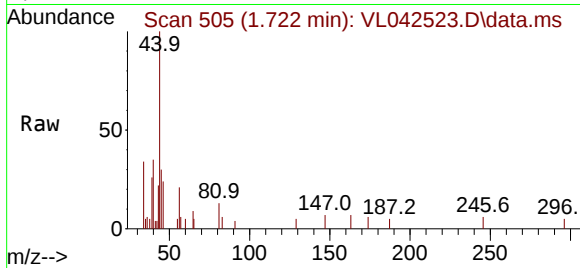




#13
Ethanol
Concen: 0.302 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

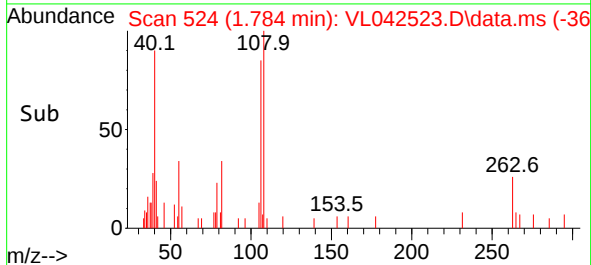
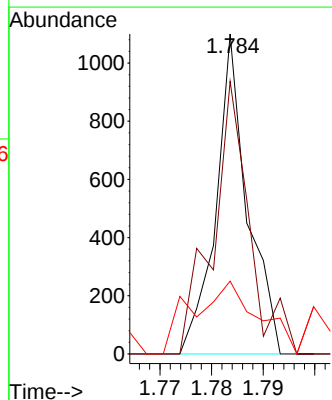
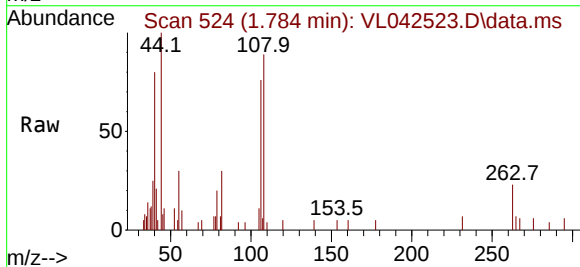
Instrument :
MSVOA_1
ClientSampleId :
MDL3 0.1

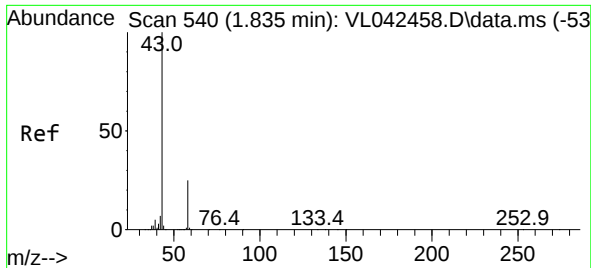
Tgt Ion: 45 Resp: 261
Ion Ratio Lower Upper
45 100
46 105.7 15.3 61.1#



#14
Bromoethene
Concen: 0.139 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 108 Resp: 466
Ion Ratio Lower Upper
108 100
106 107.3 88.8 133.2
79 83.0 17.1 25.7#





#15

Acetone

Concen: 0.192 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.007 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

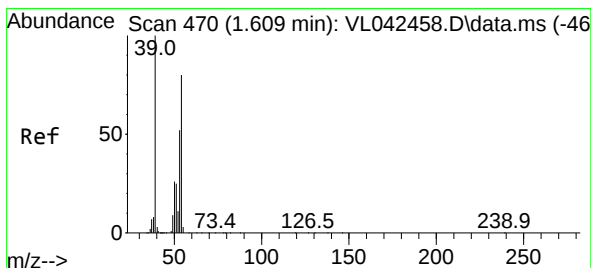
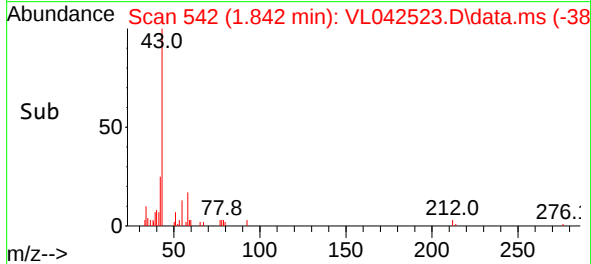
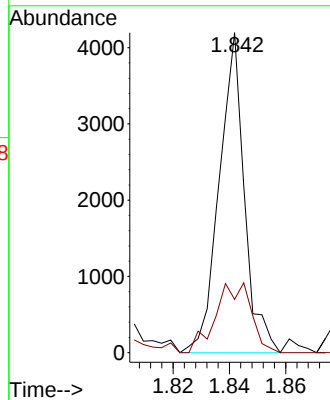
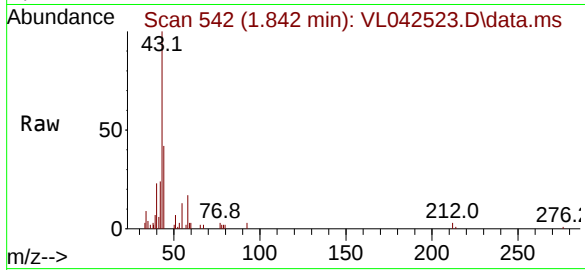
MDL3 0.1

Tgt Ion: 43 Resp: 2605

Ion Ratio Lower Upper

43 100

58 34.8 19.8 29.8#



#16

1,3-Butadiene

Concen: 0.100 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.000 min

Lab File: VL042523.D

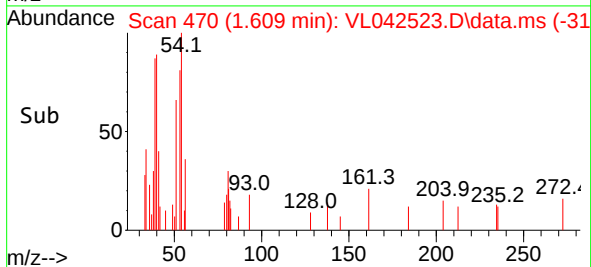
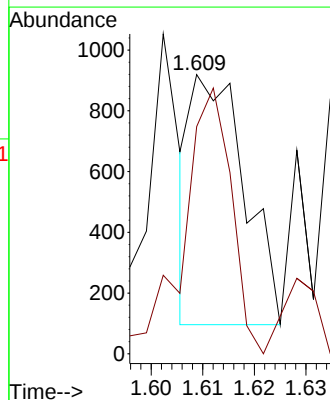
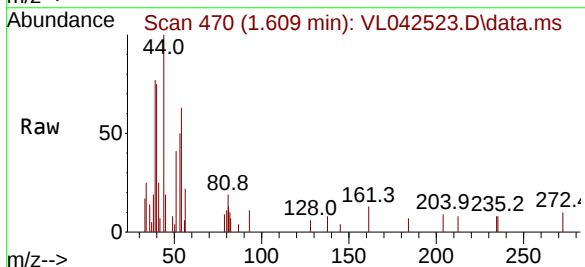
Acq: 07 May 2025 17:58

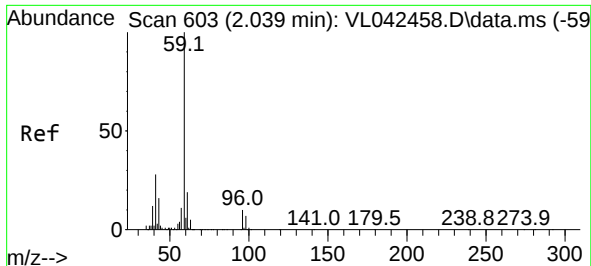
Tgt Ion: 39 Resp: 596

Ion Ratio Lower Upper

39 100

54 121.5 55.2 82.8#





#17

tert-Butyl alcohol

Concen: 0.041 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

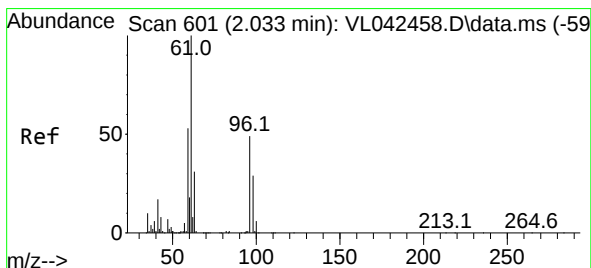
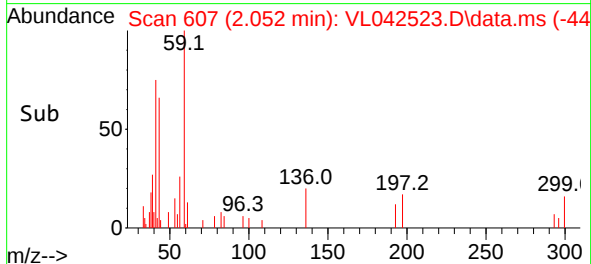
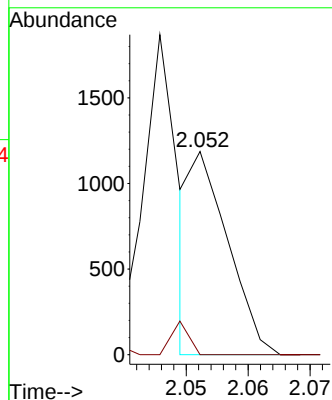
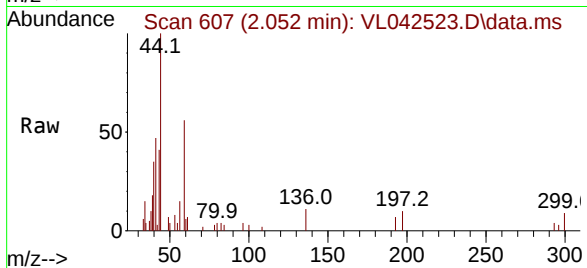
MDL3 0.1

Tgt Ion: 59 Resp: 491

Ion Ratio Lower Upper

59 100

57 12.4 8.3 12.5



#18

1,1-Dichloroethene

Concen: 0.117 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

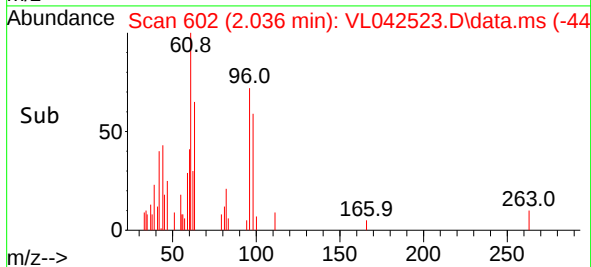
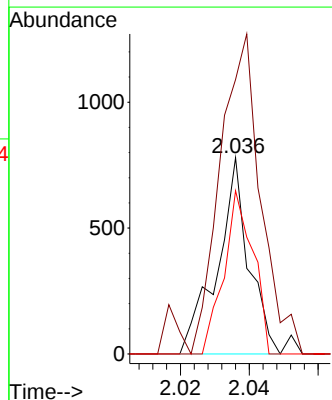
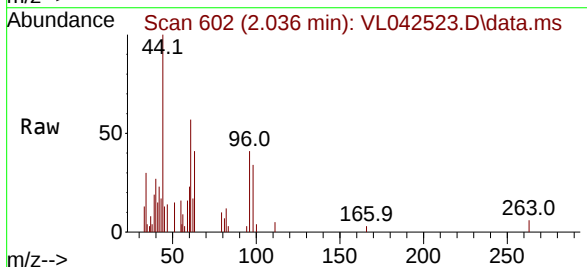
Tgt Ion: 96 Resp: 497

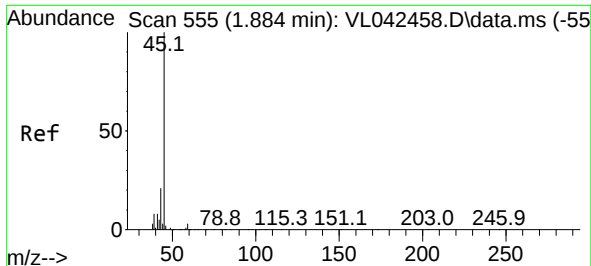
Ion Ratio Lower Upper

96 100

61 128.5 164.9 247.3#

98 83.1 48.2 72.2#

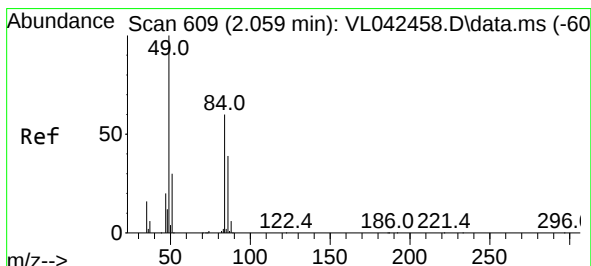
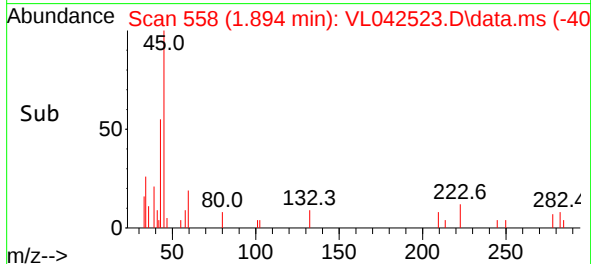
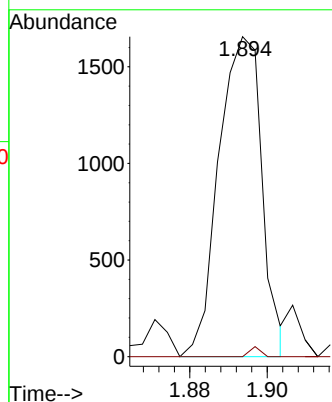
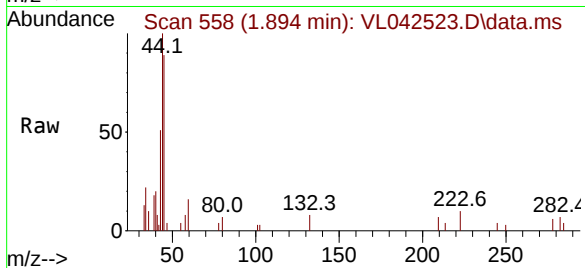




#19
Isopropyl Alcohol
Concen: 0.170 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

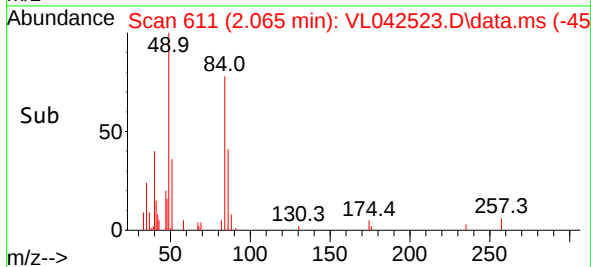
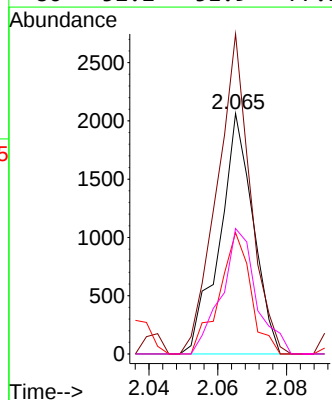
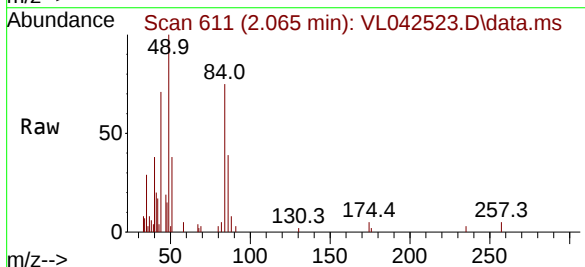
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

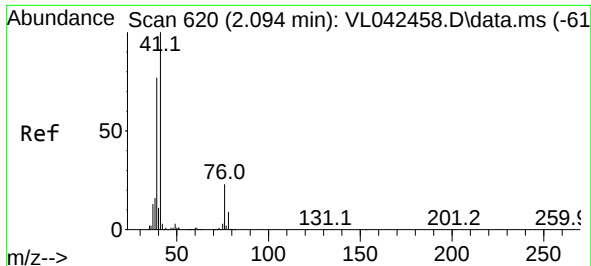
Tgt Ion: 45 Resp: 1279
Ion Ratio Lower Upper
45 100
58 3.9 1.6 2.4#



#20
Methylene Chloride
Concen: 0.343 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 84 Resp: 1397
Ion Ratio Lower Upper
84 100
49 133.0 133.9 200.9#
51 50.4 41.0 61.6
86 52.2 51.9 77.9

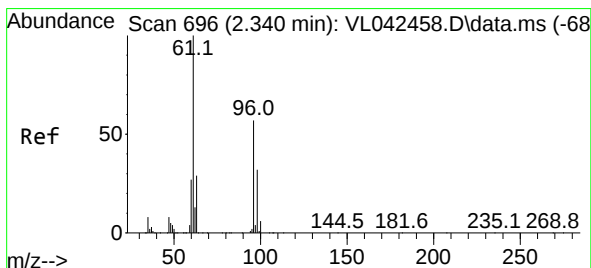
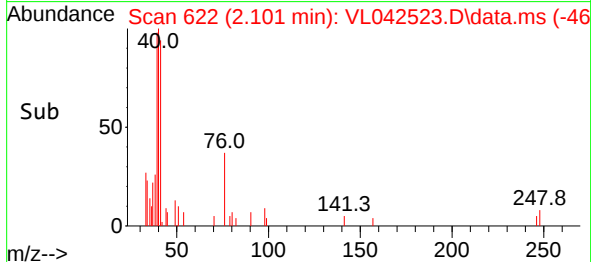
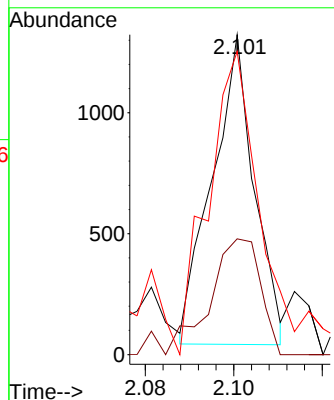
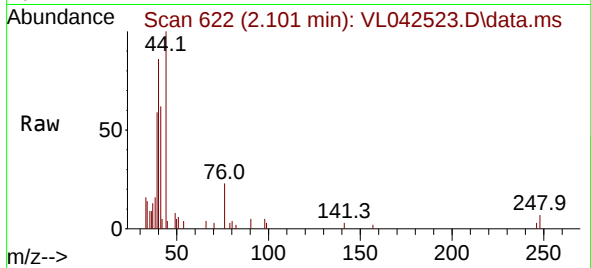




#21
 Allyl Chloride
 Concen: 0.097 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

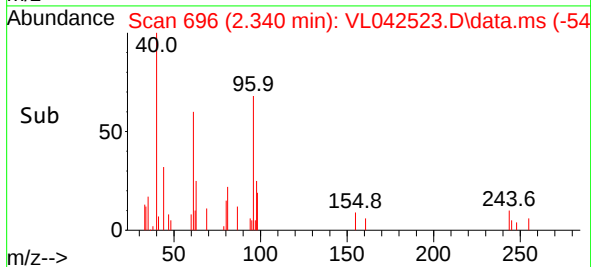
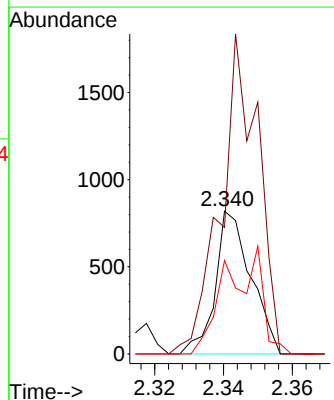
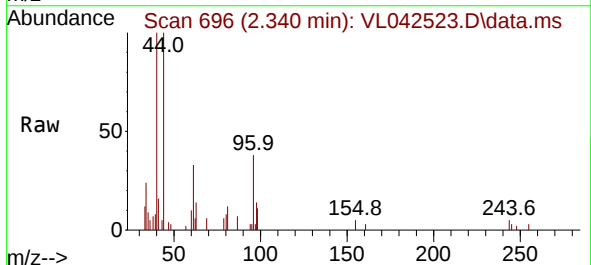
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.1

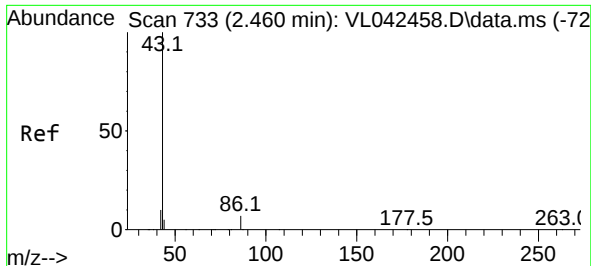
Tgt Ion:	41	Resp:	845
Ion	Ratio	Lower	Upper
41	100		
76	47.1	19.6	29.4#
39	104.5	61.0	91.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.119 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

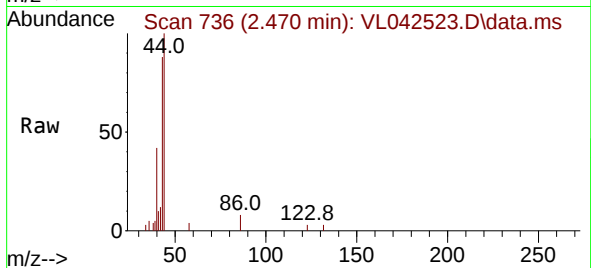
Tgt Ion:	96	Resp:	590
Ion	Ratio	Lower	Upper
96	100		
61	88.5	141.8	212.6#
98	65.4	45.0	67.6



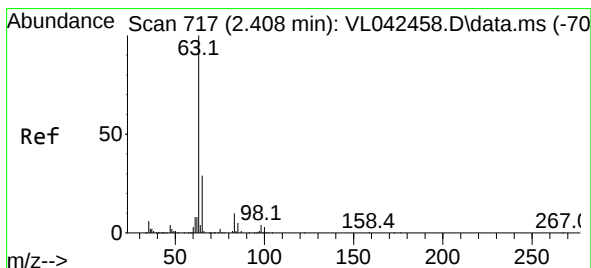
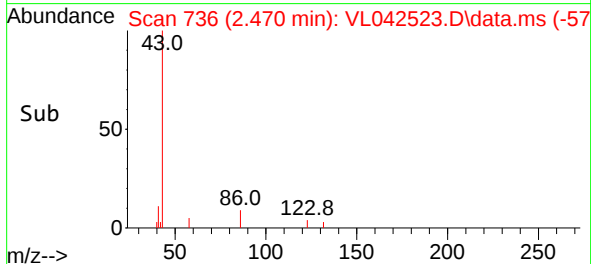
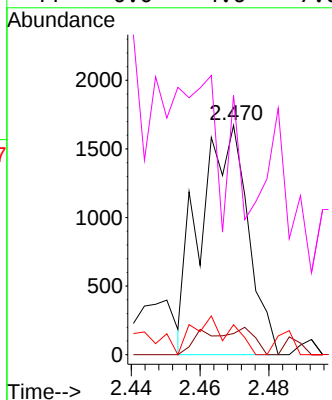


#23
Vinyl Acetate
Concen: 0.125 ppbv
RT: 2.470 min Scan# 718
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

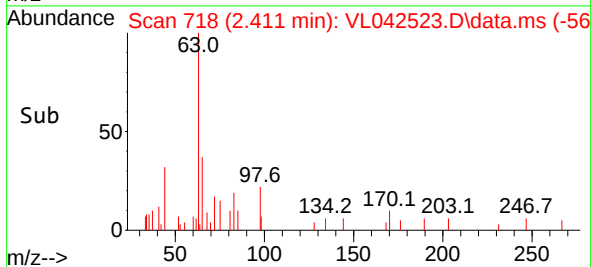
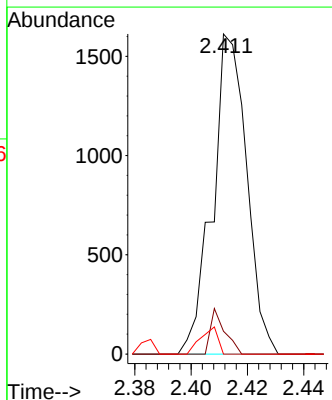
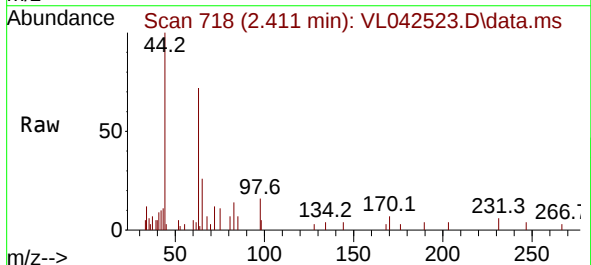


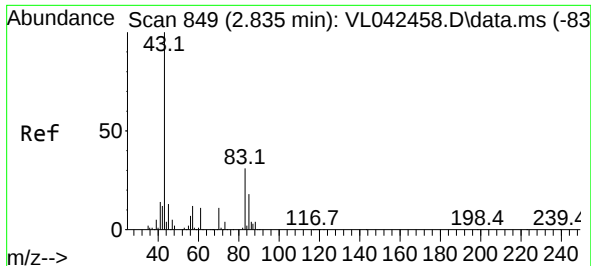
Tgt Ion:	43	Resp:	1620
Ion	Ratio	Lower	Upper
43	100		
86	9.2	5.5	8.3#
42	13.0	8.3	12.5#
44	0.0	4.6	7.0#



#24
1,1-Dichloroethane
Concen: 0.135 ppbv
RT: 2.411 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion:	63	Resp:	1361
Ion	Ratio	Lower	Upper
63	100		
98	7.1	1.8	5.5#
100	0.0	1.4	4.2#





#25

Ethyl Acetate

Concen: 0.039 ppbv

RT: 2.848 min Scan# 837

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

Tgt Ion: 43 Resp: 837

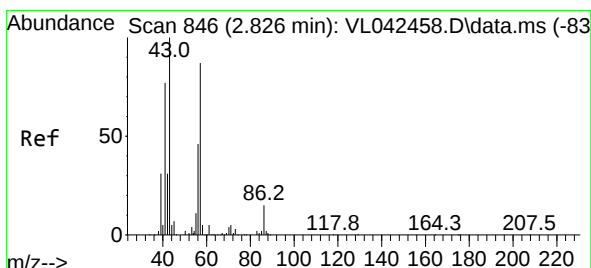
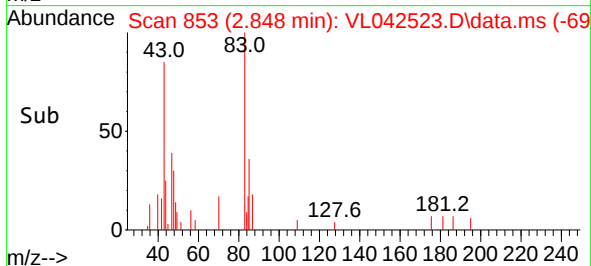
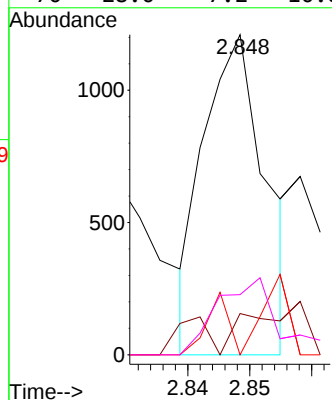
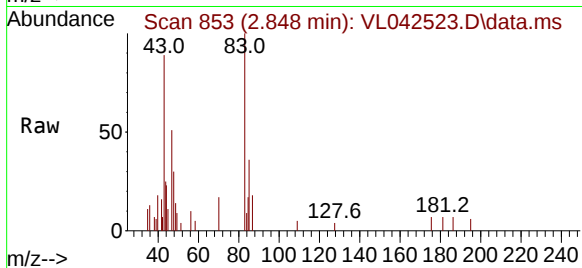
Ion Ratio Lower Upper

43 100

45 0.0 7.8 11.6#

61 0.0 7.2 10.8#

70 28.0 7.2 10.8#



#26

Hexane

Concen: 0.044 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.007 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion: 57 Resp: 412

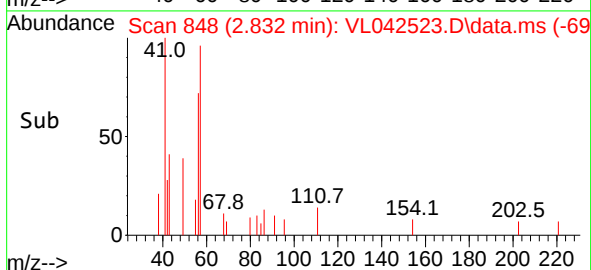
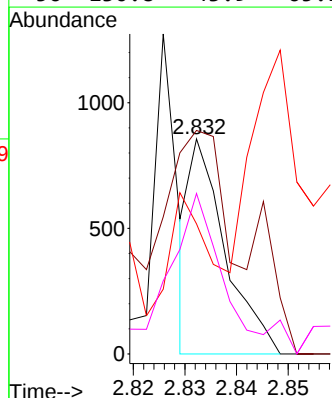
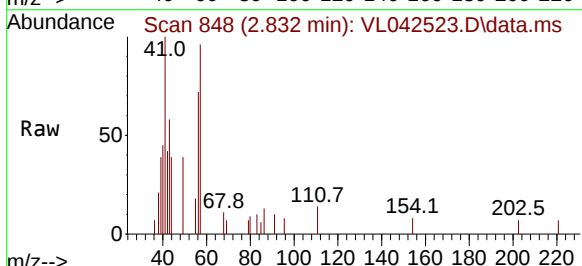
Ion Ratio Lower Upper

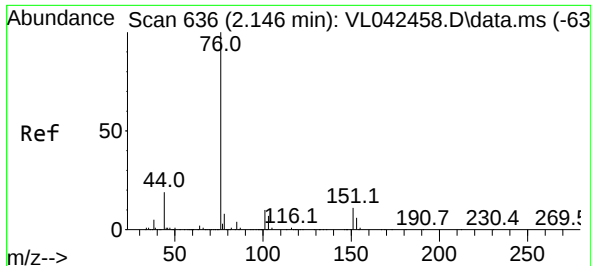
57 100

41 270.4 77.8 116.8#

43 428.9 187.0 280.6#

56 130.8 43.9 65.9#





#27

Carbon Disulfide

Concen: 0.119 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL042523.D

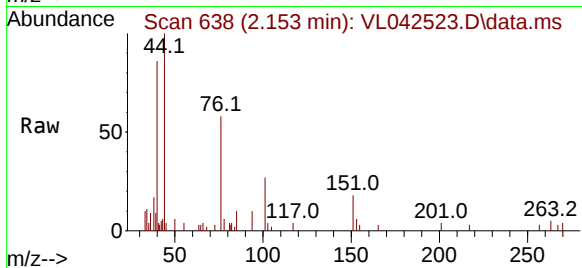
Acq: 07 May 2025 17:58

Instrument :

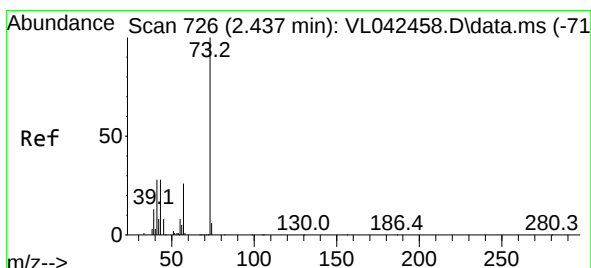
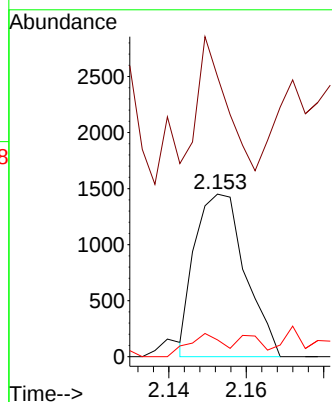
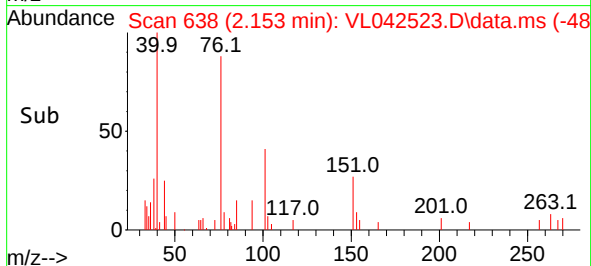
MSVOA_L

ClientSampleId :

MDL3 0.1



Tgt Ion: 76	Resp: 1311
Ion Ratio	Lower Upper
76	100
44	0.0 21.0 31.6#
78	0.0 8.6 13.0#



#28

Methyl tert-Butyl Ether

Concen: 0.088 ppbv

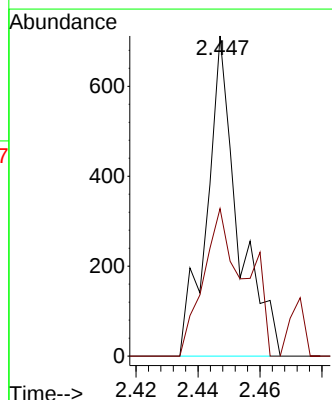
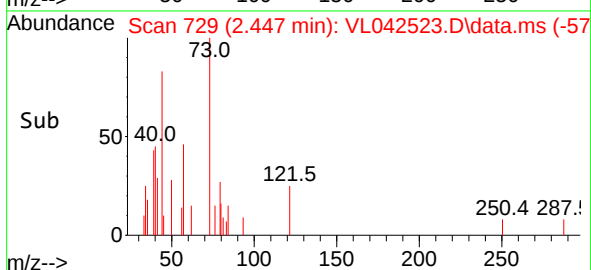
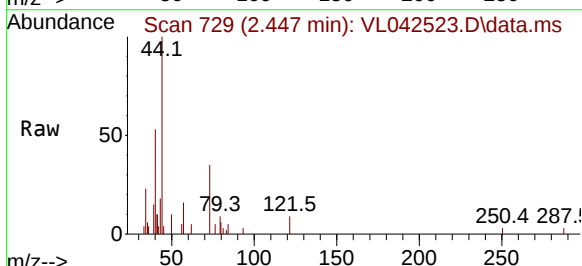
RT: 2.447 min Scan# 729

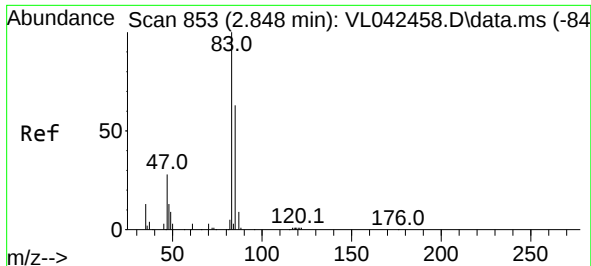
Delta R.T. 0.010 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion: 73	Resp: 498
Ion Ratio	Lower Upper
73	100
57	72.9 19.9 29.9#





#29

Chloroform

Concen: 0.113 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.007 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

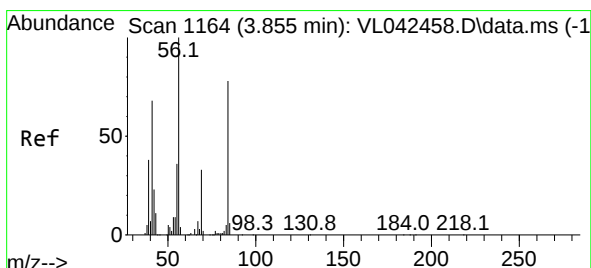
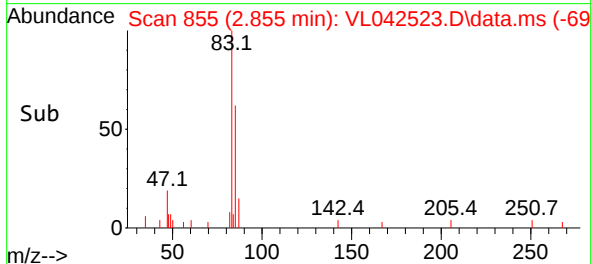
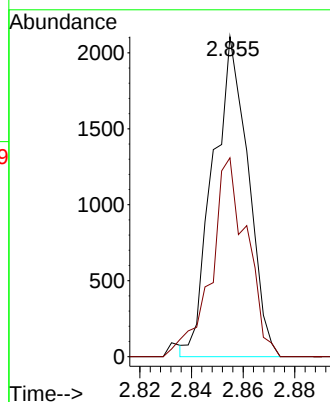
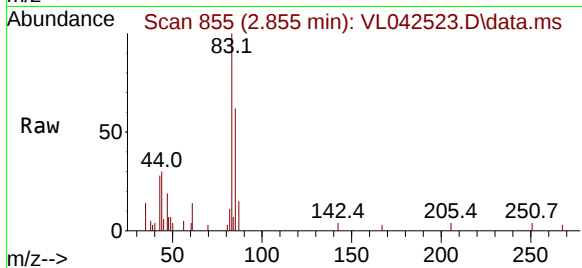
MDL3 0.1

Tgt Ion: 83 Resp: 1996

Ion Ratio Lower Upper

83 100

85 62.2 50.4 75.6



#30

Cyclohexane

Concen: 0.041 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

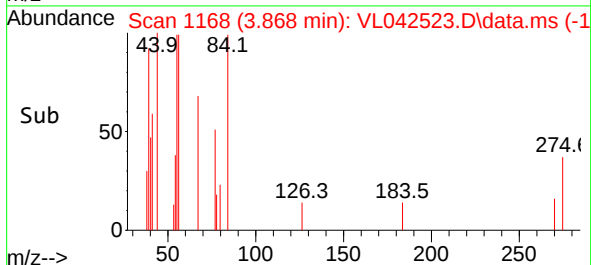
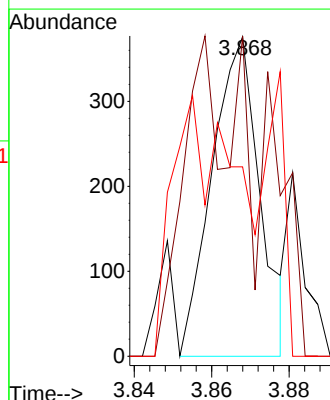
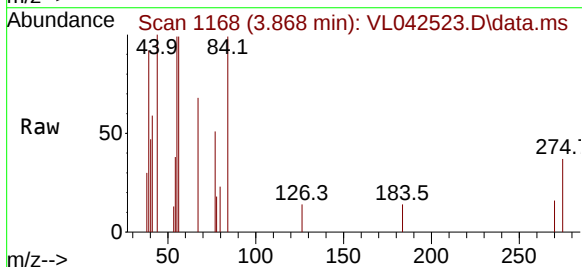
Tgt Ion: 84 Resp: 321

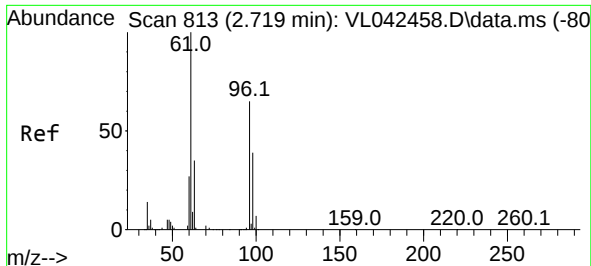
Ion Ratio Lower Upper

84 100

56 157.0 98.1 147.1#

41 0.0 65.8 98.8#

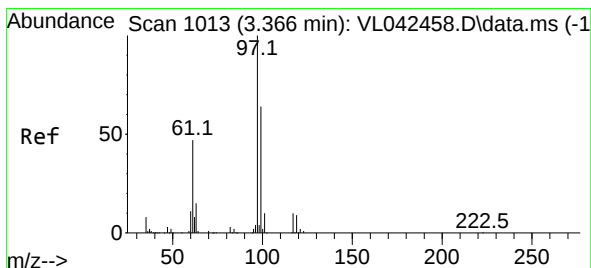
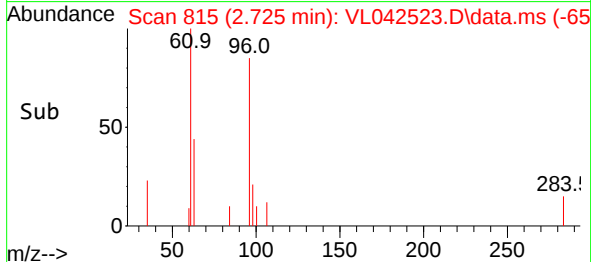
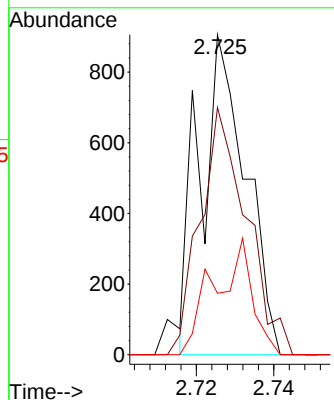
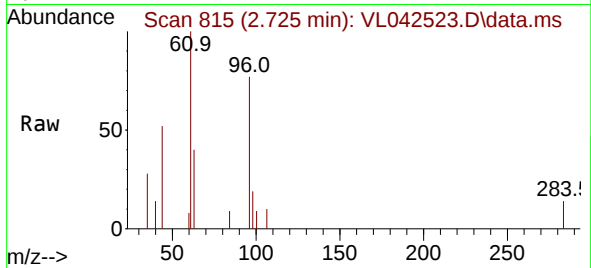




#31
 cis-1,2-Dichloroethene
 Concen: 0.068 ppbv
 RT: 2.725 min Scan# 813
 Delta R.T. 0.007 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

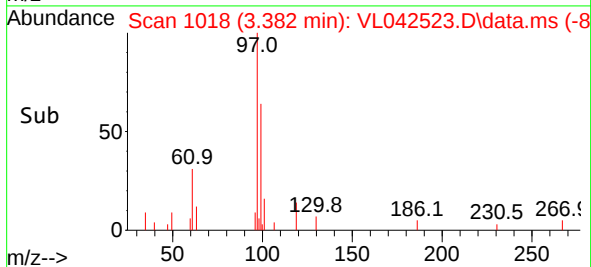
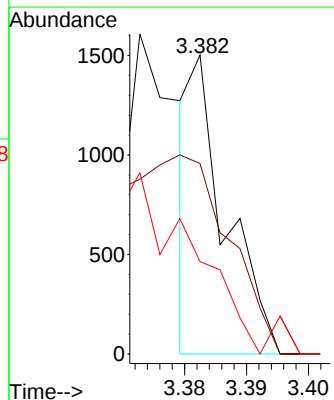
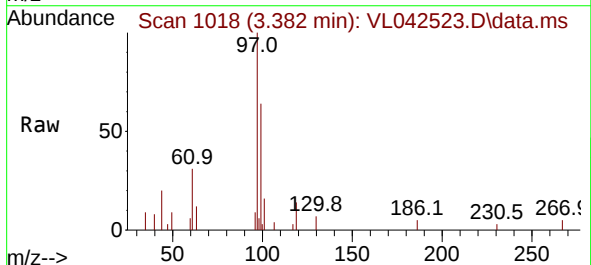
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.1

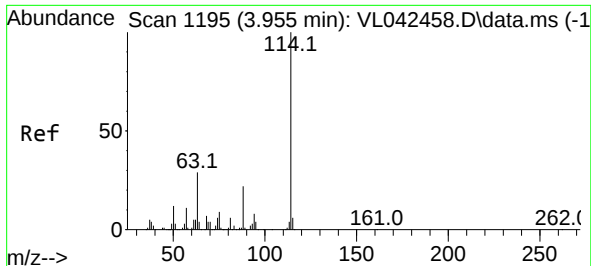
Tgt Ion:	61	Resp:	748
Ion	Ratio	Lower	Upper
61	100		
96	71.1	52.0	78.0
98	19.2	31.0	46.6#



#32
 1,1,1-Trichloroethane
 Concen: 0.030 ppbv
 RT: 3.382 min Scan# 1018
 Delta R.T. 0.016 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

Tgt Ion:	97	Resp:	583
Ion	Ratio	Lower	Upper
97	100		
99	245.3	50.7	76.1#
61	0.0	40.9	61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

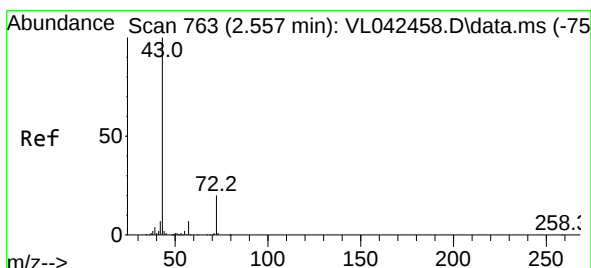
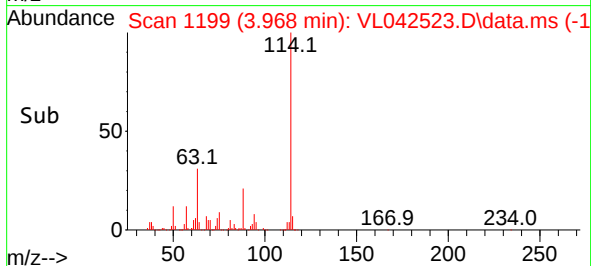
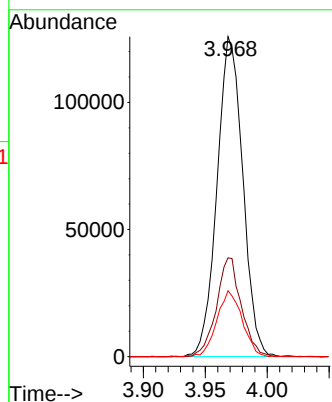
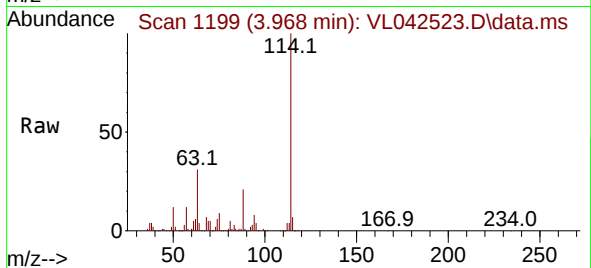
Tgt Ion:114 Resp: 181735

Ion Ratio Lower Upper

114 100

63 30.0 23.1 34.7

88 20.3 16.1 24.1



#34

2-Butanone

Concen: 0.101 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.013 min

Lab File: VL042523.D

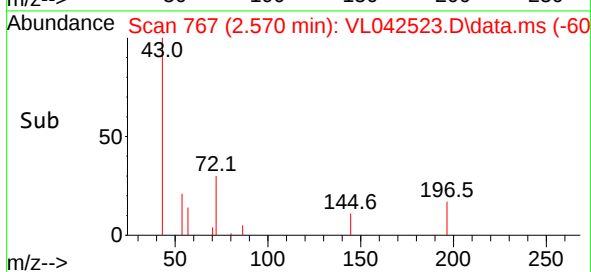
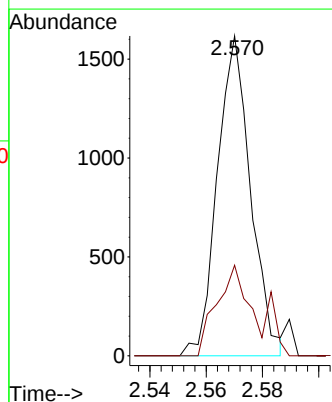
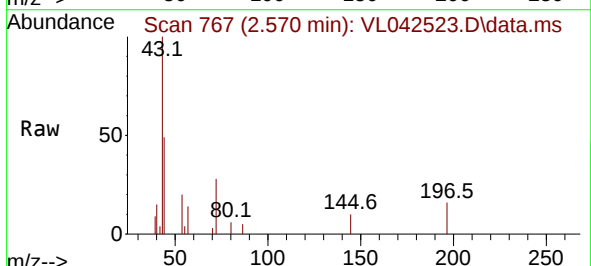
Acq: 07 May 2025 17:58

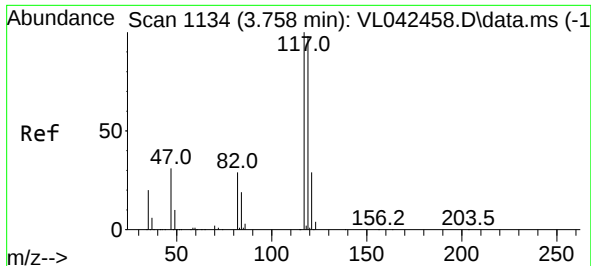
Tgt Ion: 43 Resp: 1325

Ion Ratio Lower Upper

43 100

72 33.2 16.7 25.1#

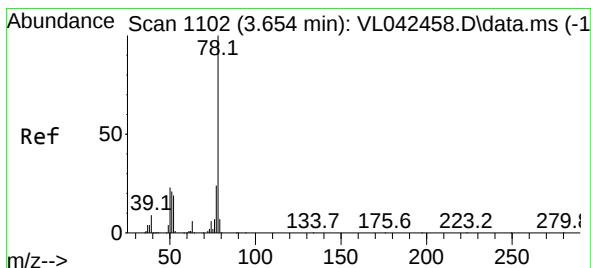
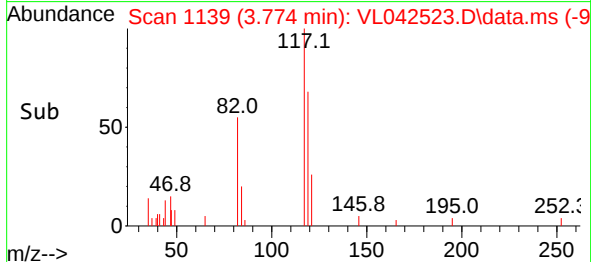
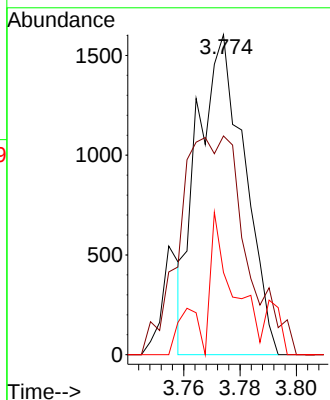
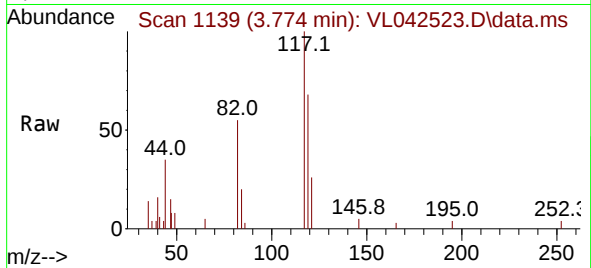




#35
Carbon Tetrachloride
Concen: 0.112 ppbv
RT: 3.774 min Scan# 1134
Delta R.T. 0.016 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

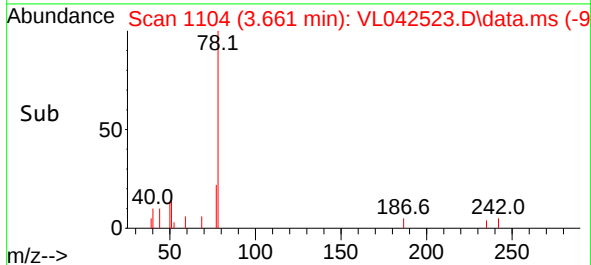
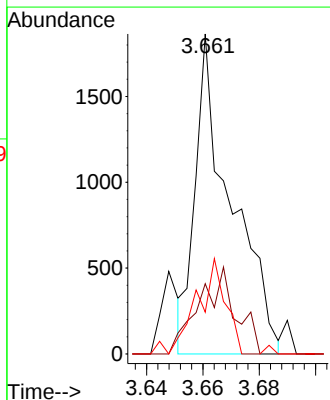
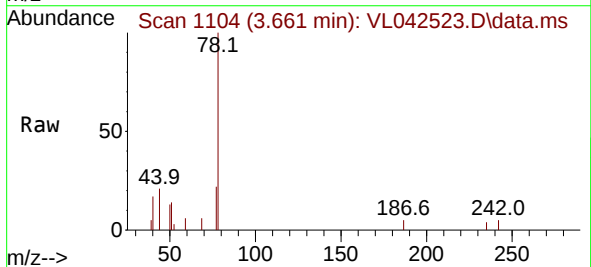
Instrument :
MSVOA_1
ClientSampleId :
MDL3 0.1

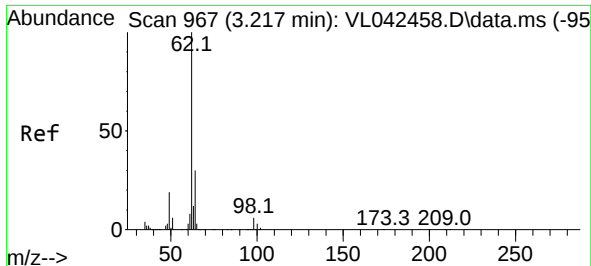
Tgt Ion:117 Resp: 1856
Ion Ratio Lower Upper
117 100
119 59.9 78.1 117.1#
121 15.6 23.0 34.6#



#36
Benzene
Concen: 0.096 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 78 Resp: 1639
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3
50 13.6 18.4 27.6#





#37

1,2-Dichloroethane

Concen: 0.043 ppbv

RT: 3.230 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

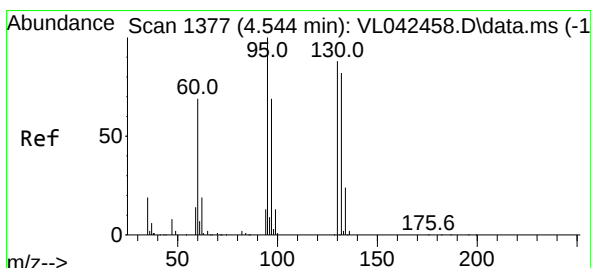
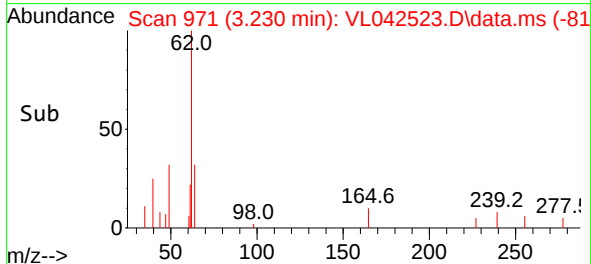
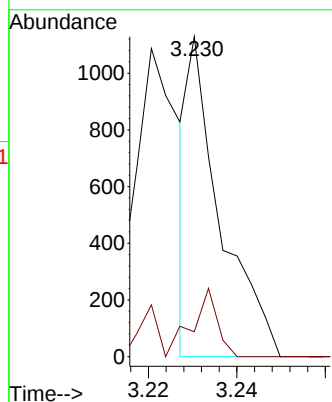
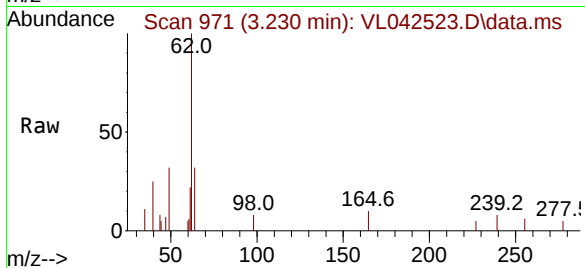
MDL3 0.1

Tgt Ion: 62 Resp: 574

Ion Ratio Lower Upper

62 100

98 25.8 4.3 6.5#



#38

Trichloroethene

Concen: 0.026 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.010 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion:130 Resp: 167

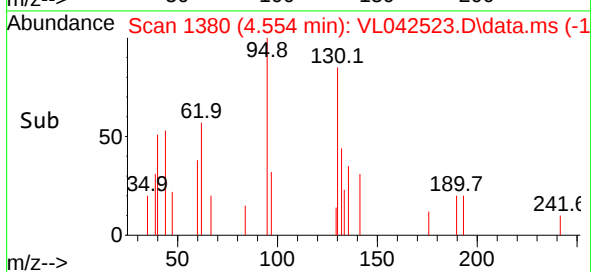
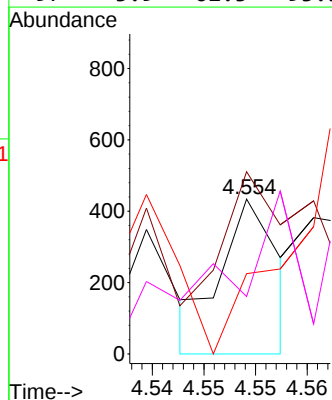
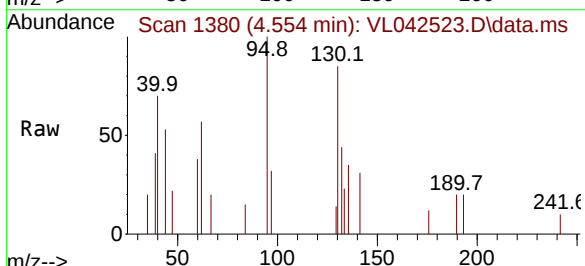
Ion Ratio Lower Upper

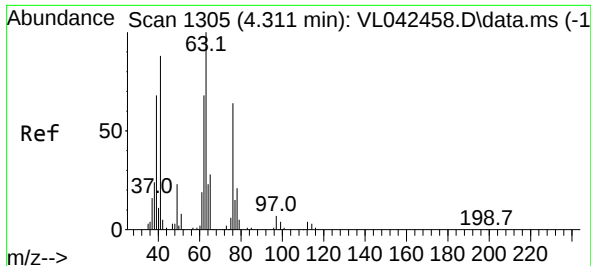
130 100

95 133.3 91.0 136.4

132 0.0 74.2 111.4#

97 3.9 62.3 93.5#





#39

1,2-Dichloropropane

Concen: 8.463 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.343 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_1

ClientSampleId :

MDL3 0.1

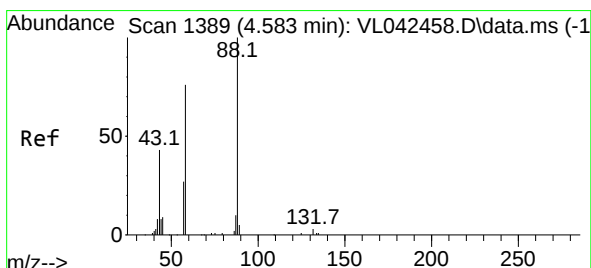
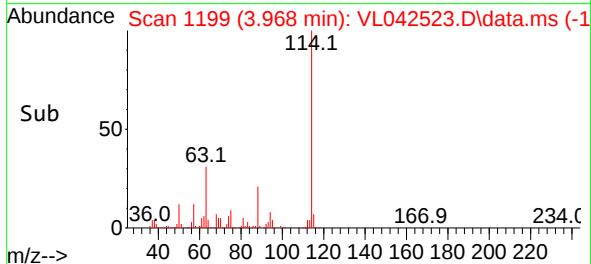
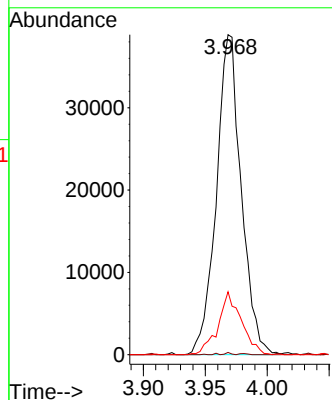
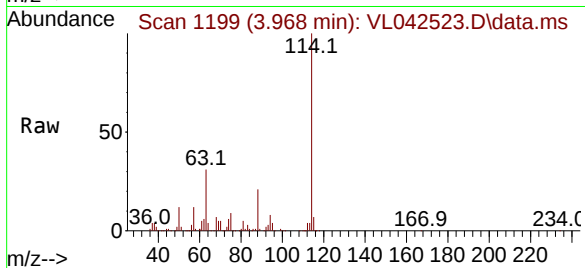
Tgt Ion: 63 Resp: 54337

Ion Ratio Lower Upper

63 100

41 0.7 69.8 104.6#

62 19.7 54.3 81.5#



#40

1,4-Dioxane

Concen: 0.014 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion: 88 Resp: 43

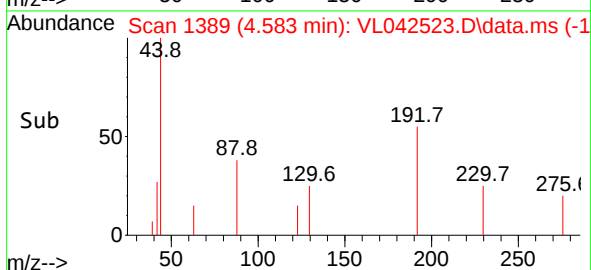
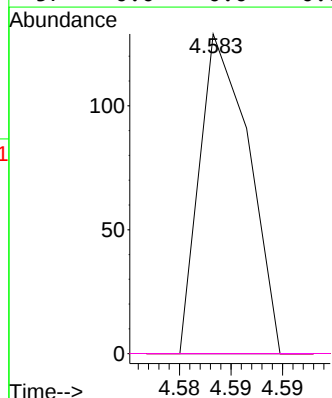
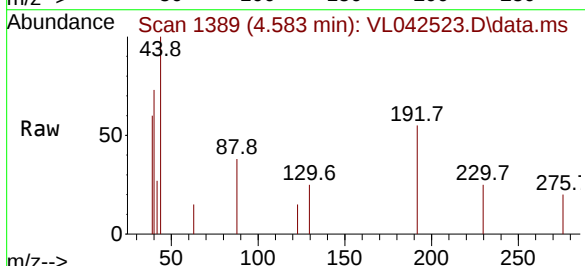
Ion Ratio Lower Upper

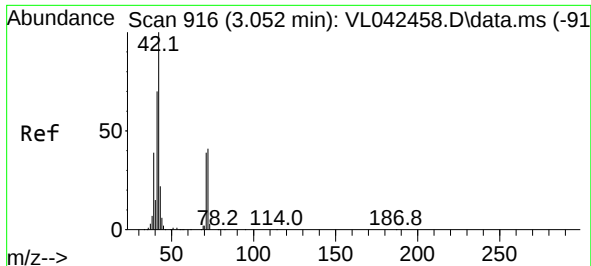
88 100

58 0.0 0.0 0.0

43 111.6 0.0 0.0#

57 0.0 0.0 0.0

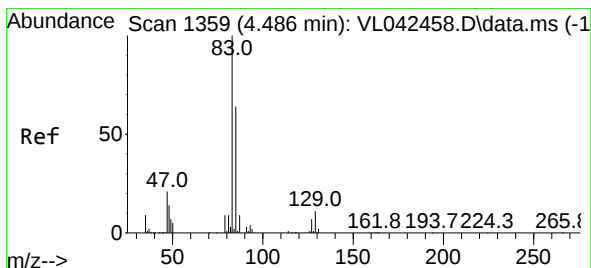
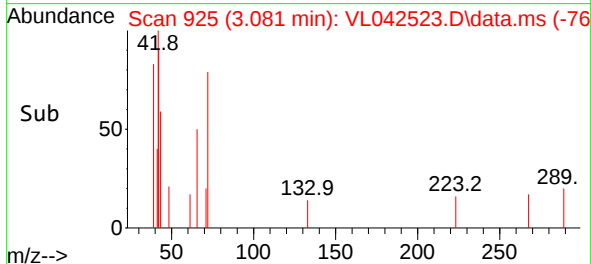
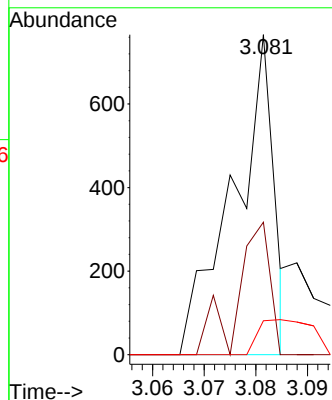
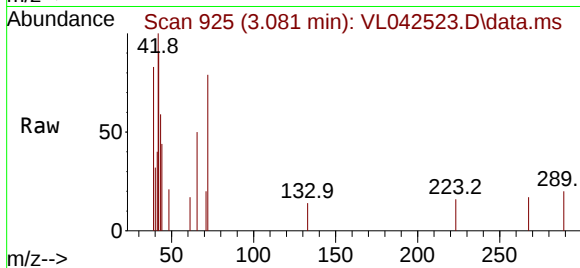




#41
Tetrahydrofuran
Concen: 0.067 ppbv
RT: 3.081 min Scan# 916
Delta R.T. 0.029 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

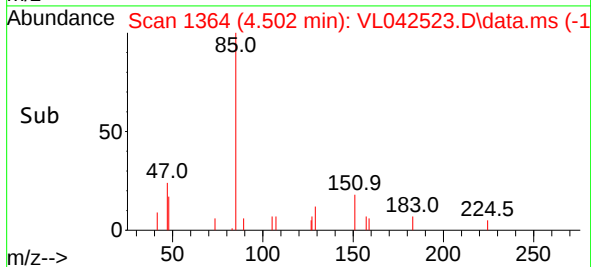
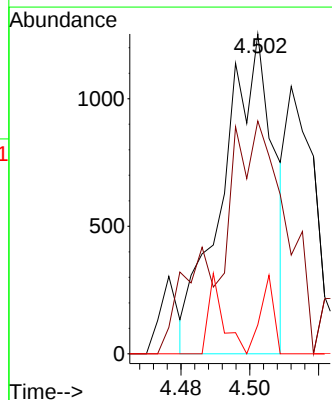
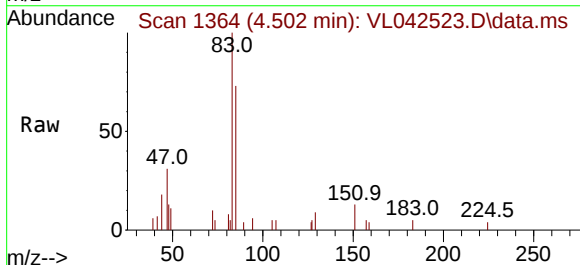
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

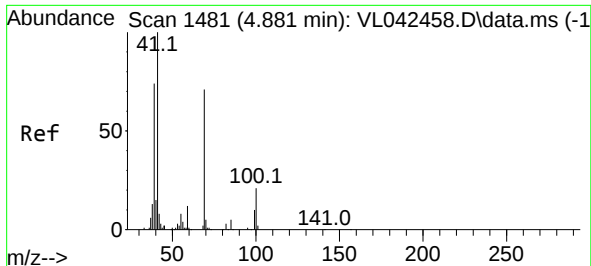
Tgt Ion: 42 Resp: 419
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 14.6 32.6 49.0#



#42
Bromodichloromethane
Concen: 0.080 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.016 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 83 Resp: 1291
Ion Ratio Lower Upper
83 100
85 52.8 51.5 77.3
127 10.2 5.4 8.2#

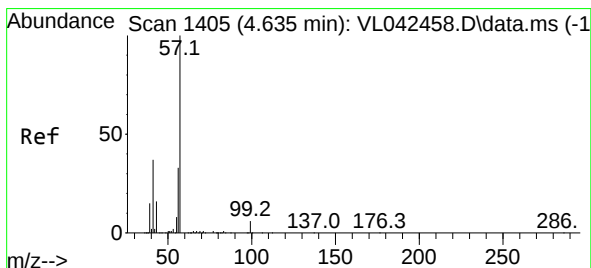
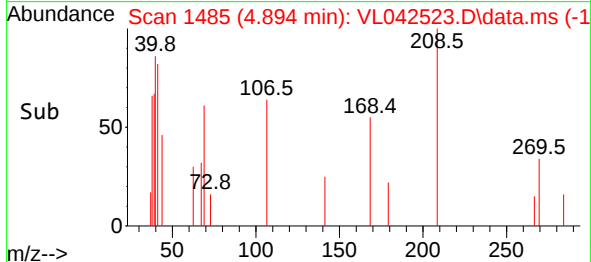
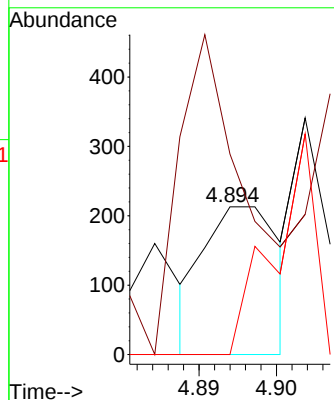
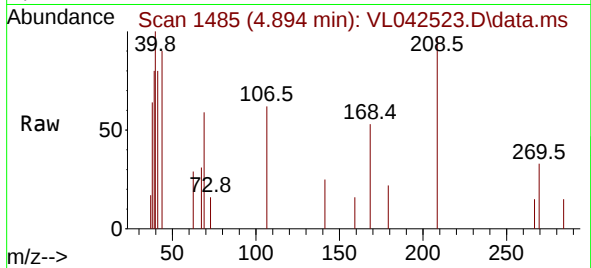




#43
Methyl Methacrylate
Concen: 0.023 ppbv
RT: 4.894 min Scan# 1411
Delta R.T. 0.013 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

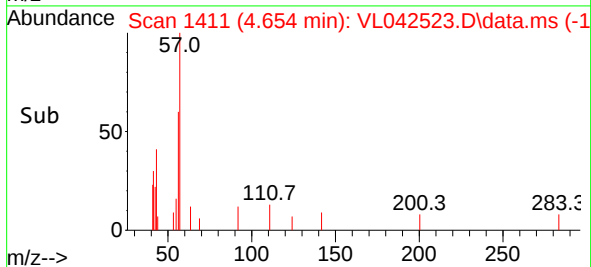
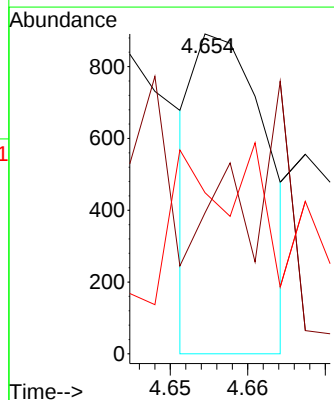
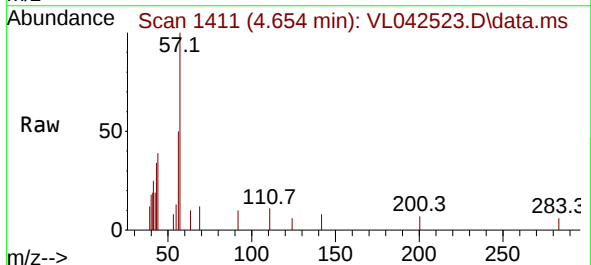
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

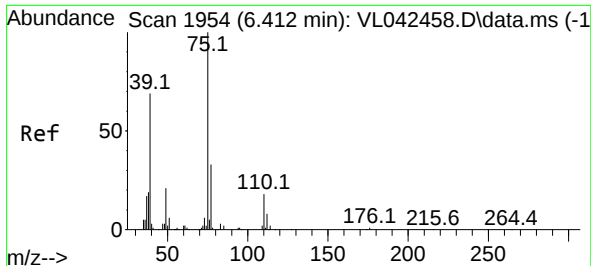
Tgt Ion: 69 Resp: 144
Ion Ratio Lower Upper
69 100
41 327.1 120.8 181.2#
100 0.0 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.021 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.019 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 57 Resp: 573
Ion Ratio Lower Upper
57 100
41 179.4 30.6 45.8#
56 0.0 25.0 37.6#





#45

t-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 6.435 min Scan# 1954

Delta R.T. 0.023 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_1

ClientSampleId :

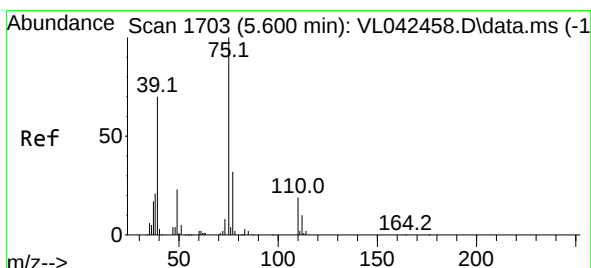
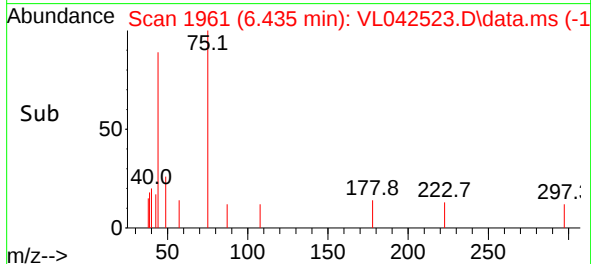
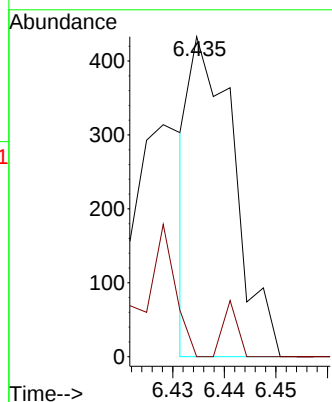
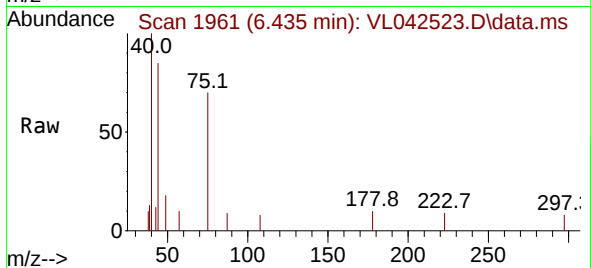
MDL3 0.1

Tgt Ion: 75 Resp: 256

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#46

cis-1,3-Dichloropropene

Concen: 0.023 ppbv

RT: 5.622 min Scan# 1710

Delta R.T. 0.023 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

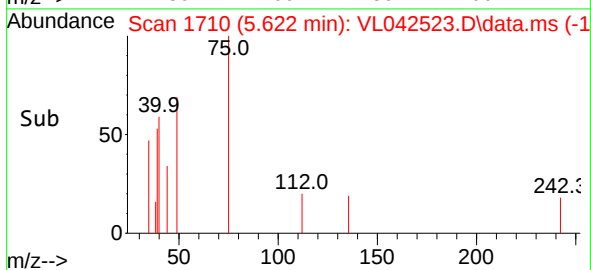
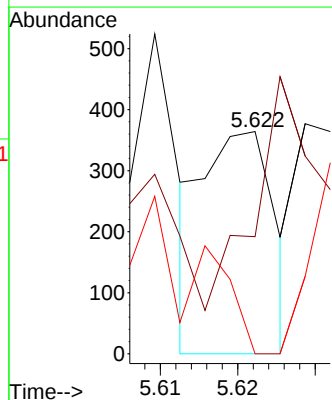
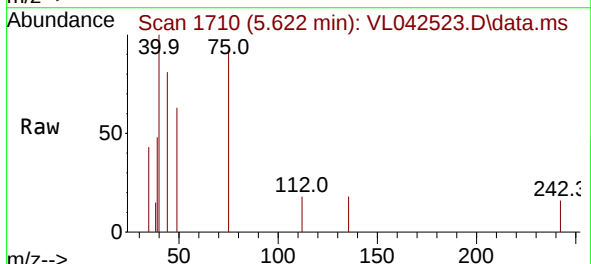
Tgt Ion: 75 Resp: 233

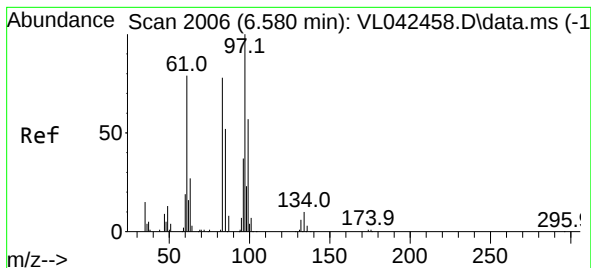
Ion Ratio Lower Upper

75 100

39 0.0 55.7 83.5#

77 0.0 25.8 38.8#





#47

1,1,2-Trichloroethane

Concen: 0.058 ppbv

RT: 6.603 min Scan# 2006

Delta R.T. 0.023 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

Tgt Ion: 97 Resp: 410

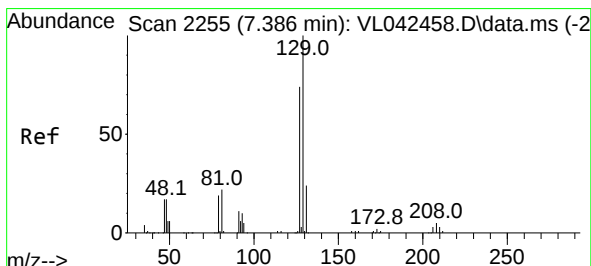
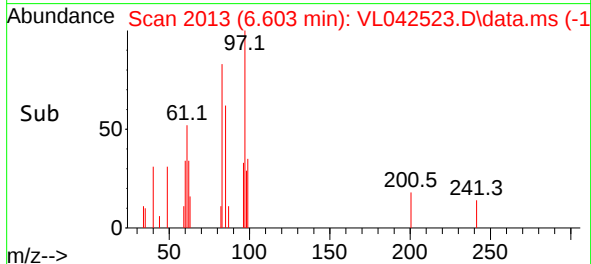
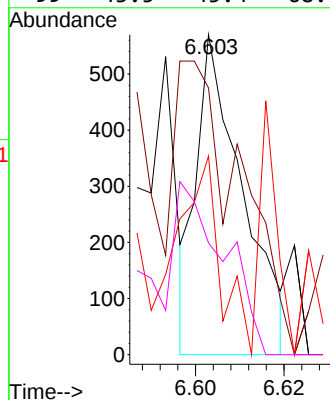
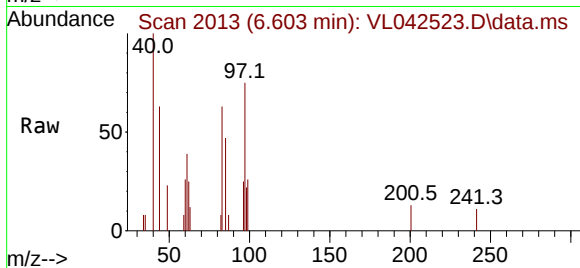
Ion Ratio Lower Upper

97 100

83 82.1 62.2 93.2

85 41.1 41.5 62.3#

99 43.5 45.4 68.0#



#48

Dibromochloromethane

Concen: 0.075 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.013 min

Lab File: VL042523.D

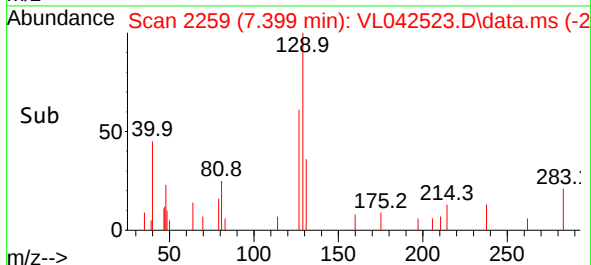
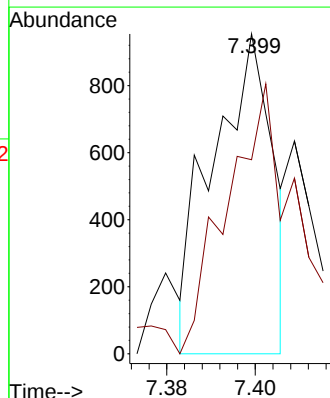
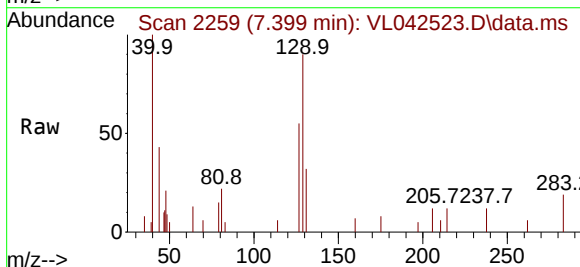
Acq: 07 May 2025 17:58

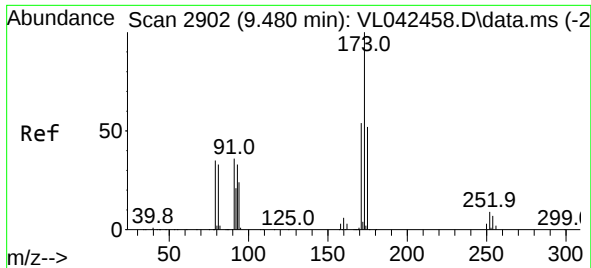
Tgt Ion: 129 Resp: 896

Ion Ratio Lower Upper

129 100

127 115.6 39.5 118.5





#49

Bromoform

Concen: 0.026 ppbv

RT: 9.496 min Scan# 2902

Delta R.T. 0.016 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

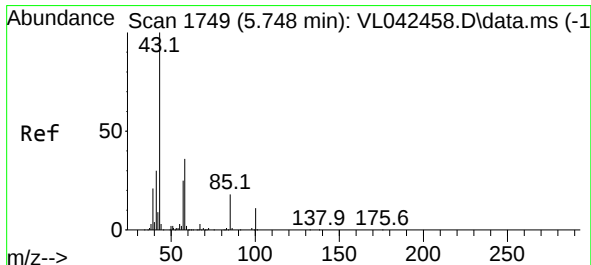
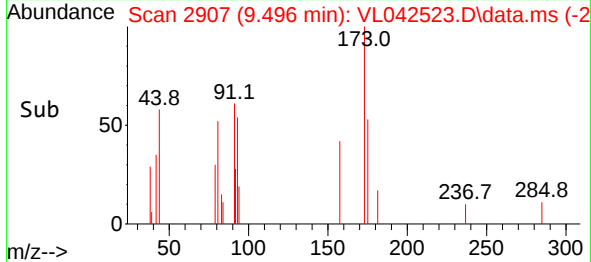
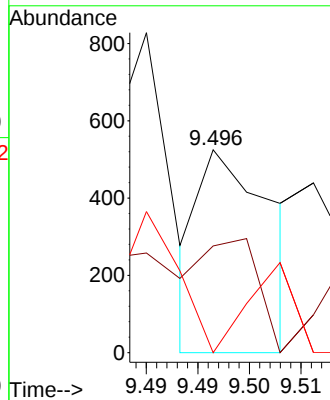
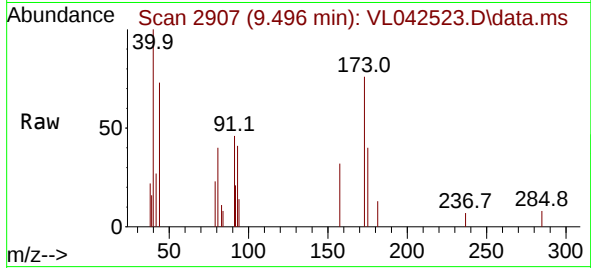
Tgt Ion:173 Resp: 258

Ion Ratio Lower Upper

173 100

175 159.7 38.9 58.3#

171 0.0 40.6 60.8#



#50

4-Methyl-2-Pentanone

Concen: 0.003 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. 0.016 min

Lab File: VL042523.D

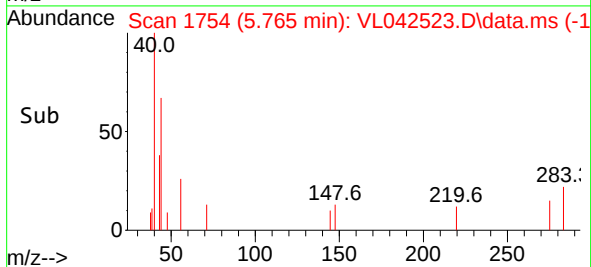
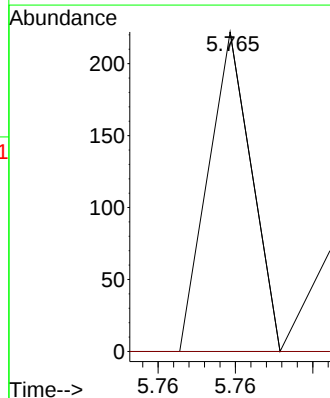
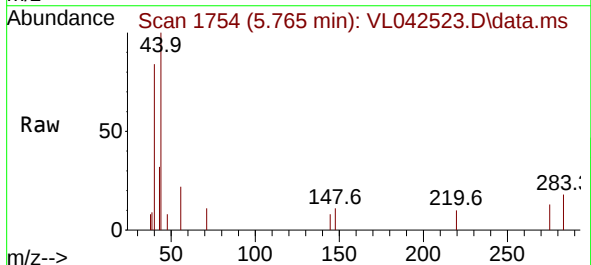
Acq: 07 May 2025 17:58

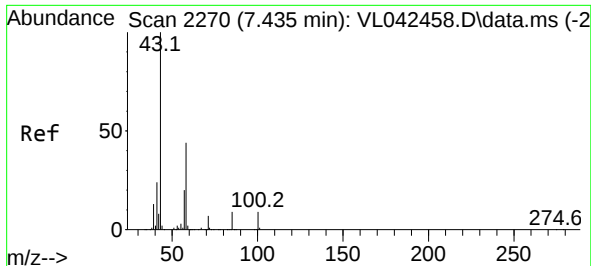
Tgt Ion: 43 Resp: 43

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#

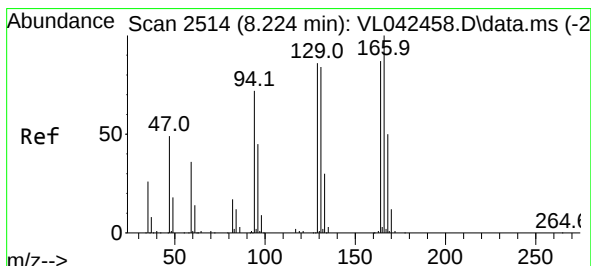
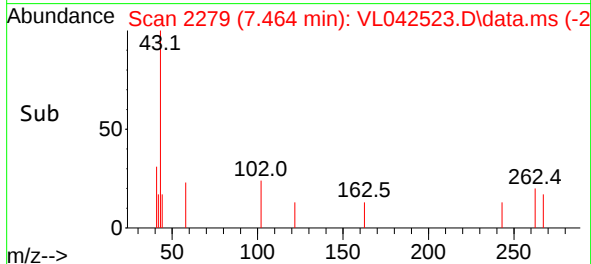
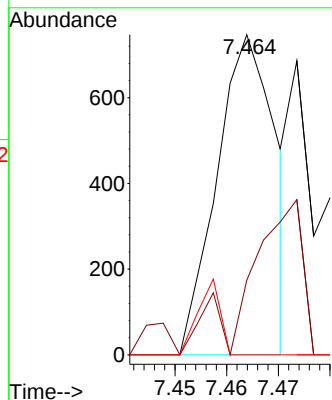
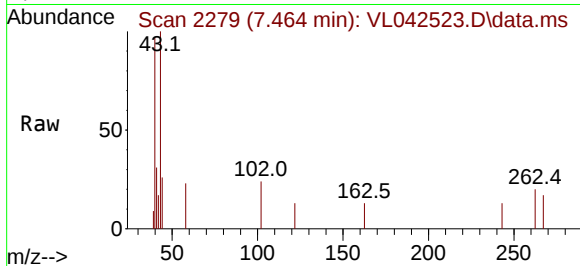




#51
2-Hexanone
Concen: 0.044 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

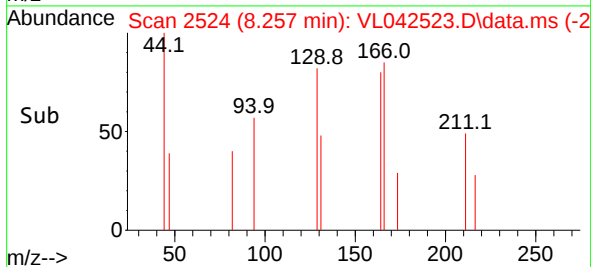
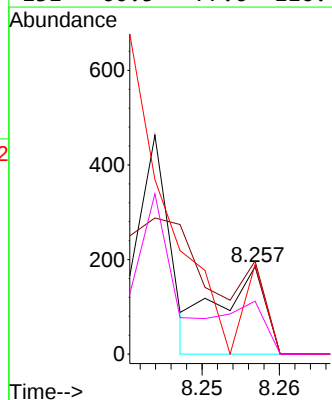
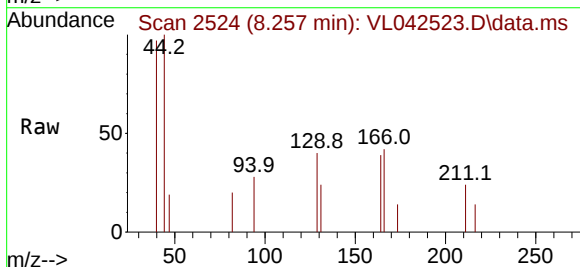
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

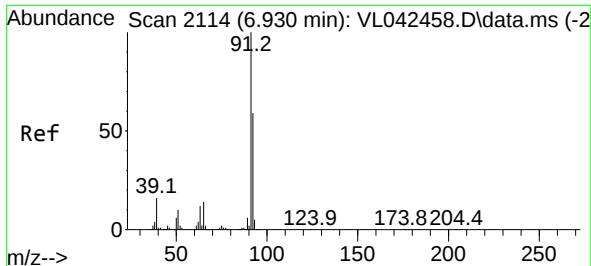
Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8#
98 9.1 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.012 ppbv
RT: 8.257 min Scan# 2524
Delta R.T. 0.032 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 164 Resp: 77
Ion Ratio Lower Upper
164 100
166 106.5 91.6 137.4
129 102.2 79.0 118.4
131 60.5 77.6 116.4#

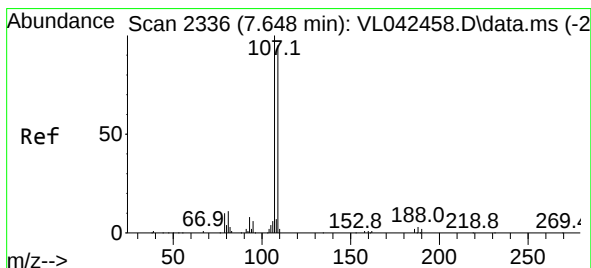
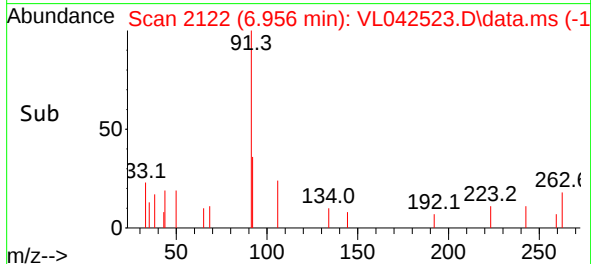
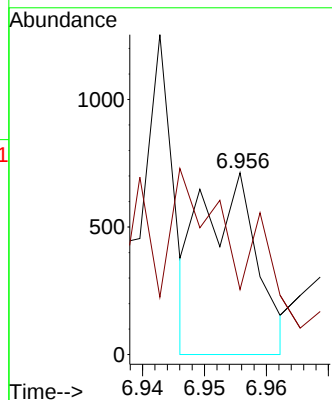
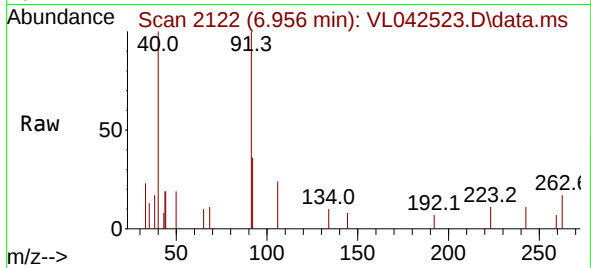




#53
Toluene
Concen: 0.024 ppbv
RT: 6.956 min Scan# 2114
Delta R.T. 0.026 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

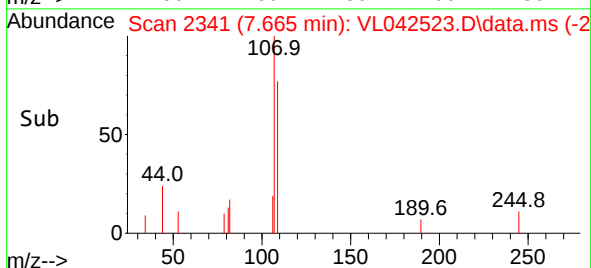
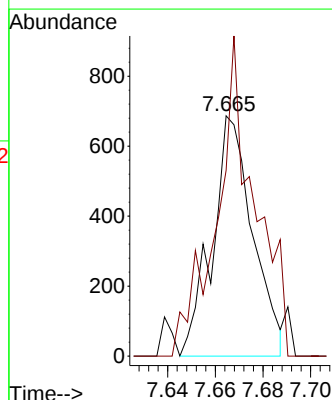
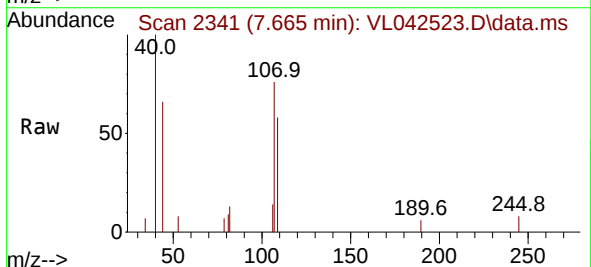
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

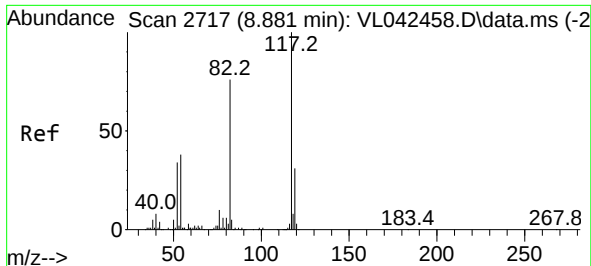
Tgt Ion: 91 Resp: 436
Ion Ratio Lower Upper
91 100
92 0.0 47.9 71.9#



#54
1,2-Dibromoethane
Concen: 0.075 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 107 Resp: 808
Ion Ratio Lower Upper
107 100
109 59.0 76.0 114.0#

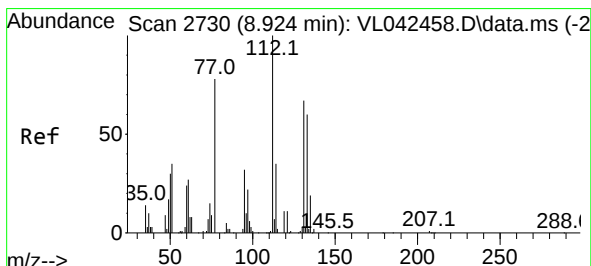
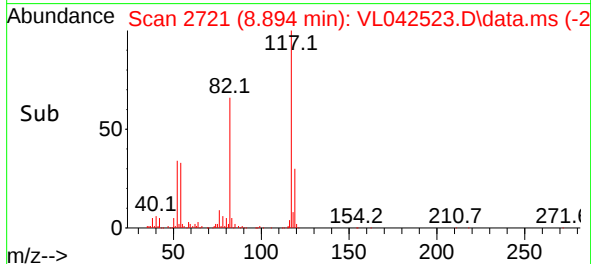
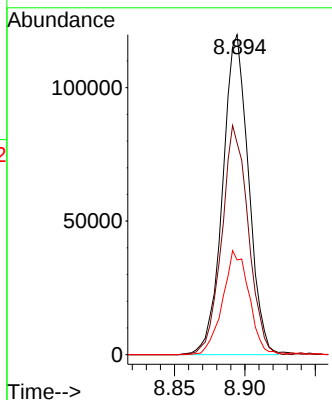
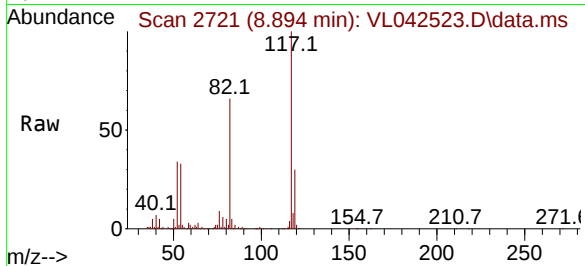




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

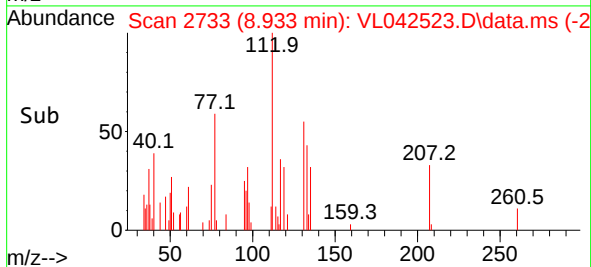
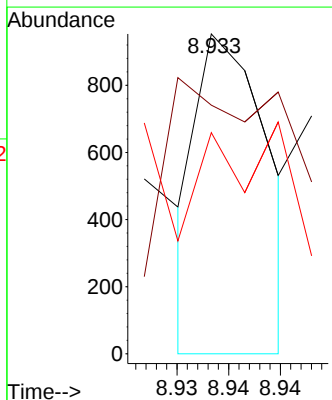
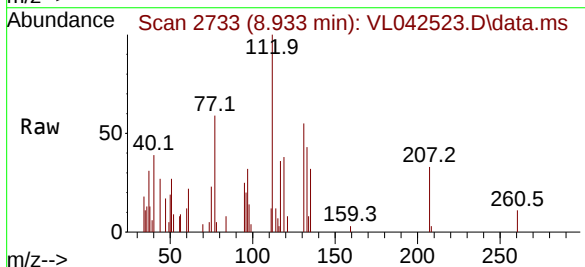
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

Tgt Ion:117 Resp: 153485
Ion Ratio Lower Upper
117 100
82 73.5 63.5 95.3
119 33.7 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.050 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion:131 Resp: 452
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 46.1 69.1#





#57

Chlorobenzene

Concen: 0.094 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

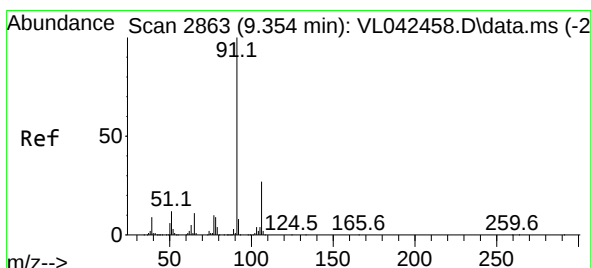
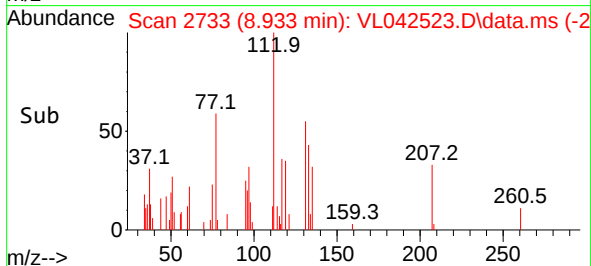
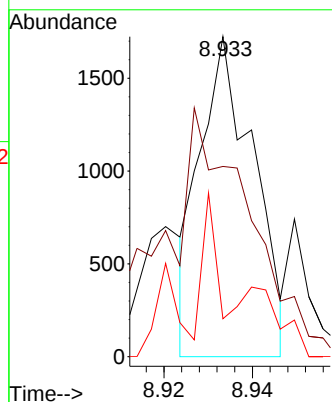
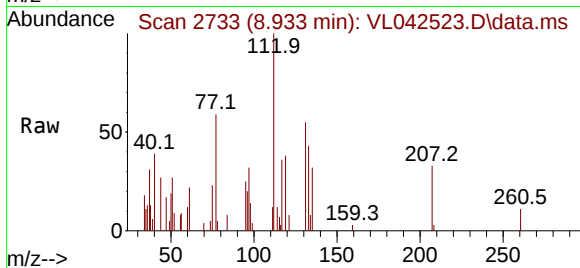
Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

Tgt Ion:	112	Resp:	1452
Ion	Ratio	Lower	Upper
112	100		
77	51.3	65.0	97.4#
114	4.0	27.5	33.7#



#58

Ethyl Benzene

Concen: 0.026 ppbv

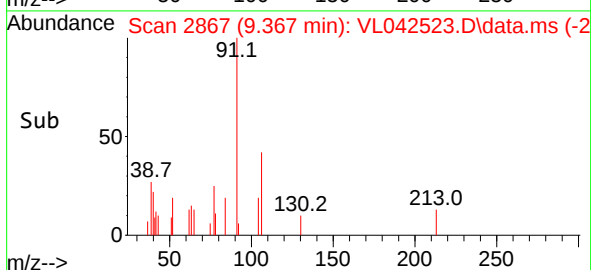
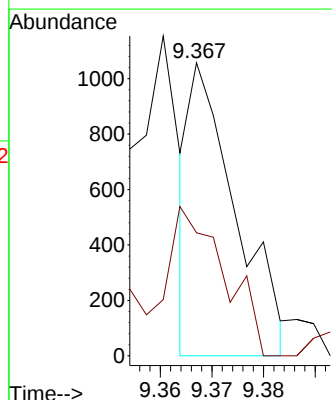
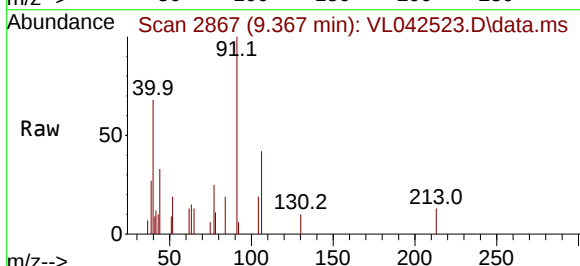
RT: 9.367 min Scan# 2867

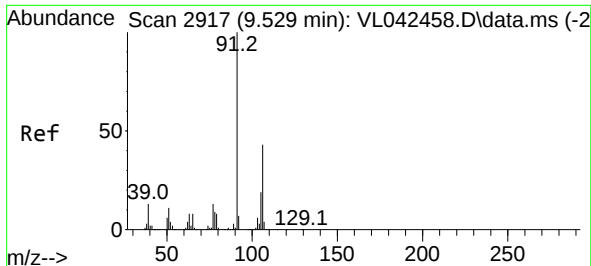
Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion:	91	Resp:	656
Ion	Ratio	Lower	Upper
91	100		
106	47.7	21.9	32.9#

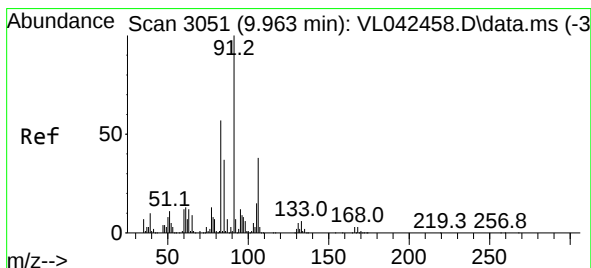
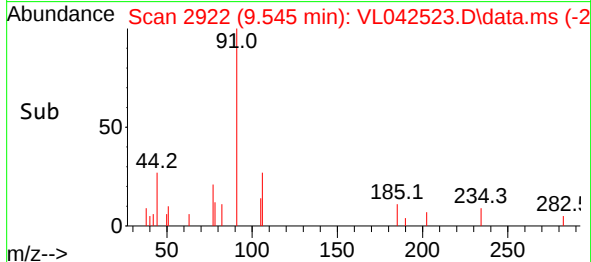
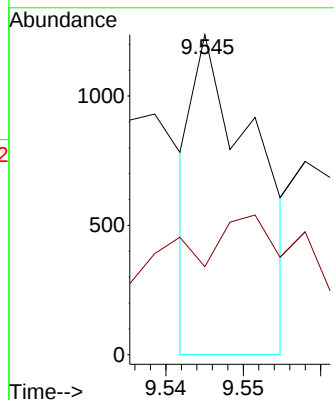
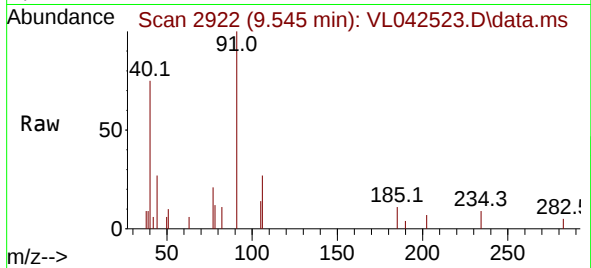




#59
m/p-Xylene
Concen: 0.032 ppbv
RT: 9.545 min Scan# 2917
Delta R.T. 0.016 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

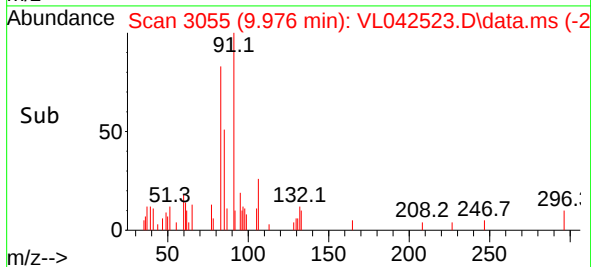
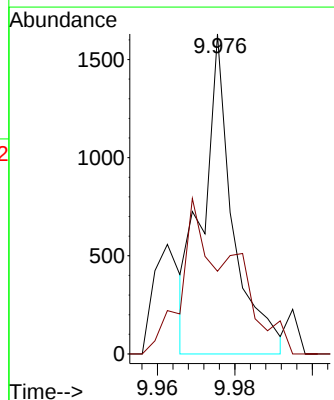
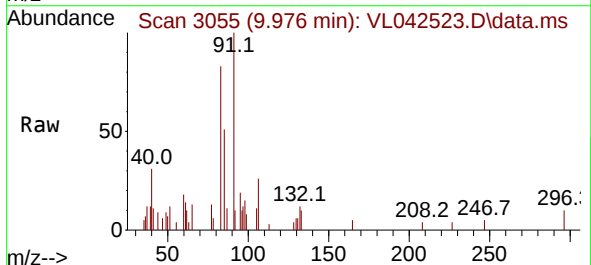
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

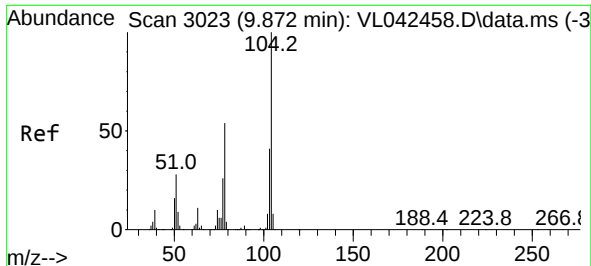
Tgt Ion: 91 Resp: 690
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



#60
o-Xylene
Concen: 0.041 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 91 Resp: 880
Ion Ratio Lower Upper
91 100
106 0.0 20.1 60.2#





#61

Styrene

Concen: 0.011 ppbv

RT: 9.885 min Scan# 3023

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

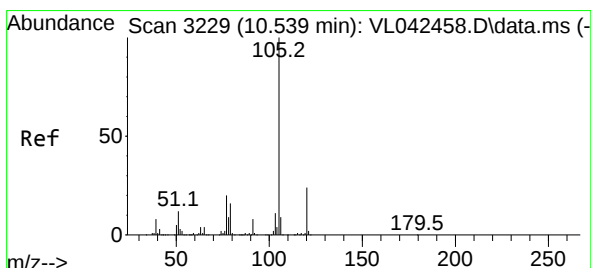
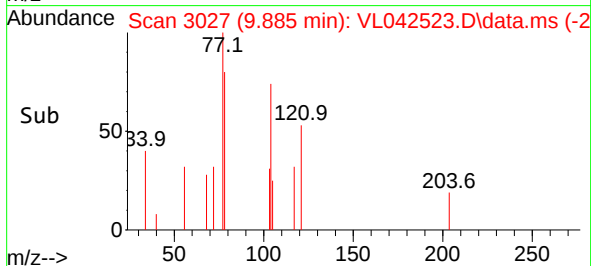
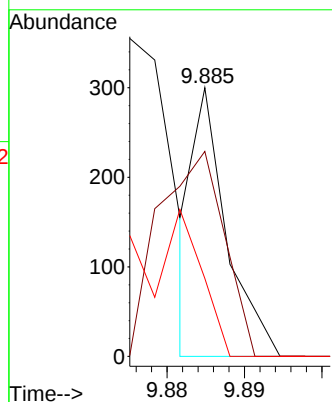
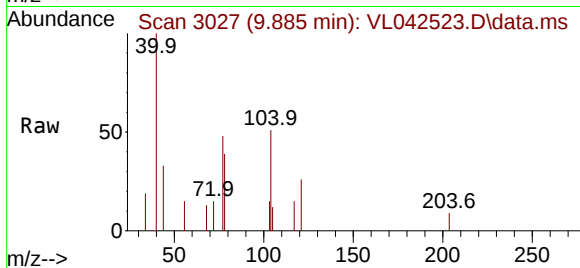
Tgt Ion:104 Resp: 88

Ion Ratio Lower Upper

104 100

78 205.7 46.9 70.3#

103 161.4 36.6 55.0#



#62

Isopropylbenzene

Concen: 0.029 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. 0.013 min

Lab File: VL042523.D

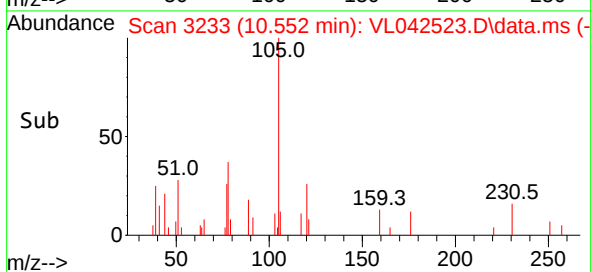
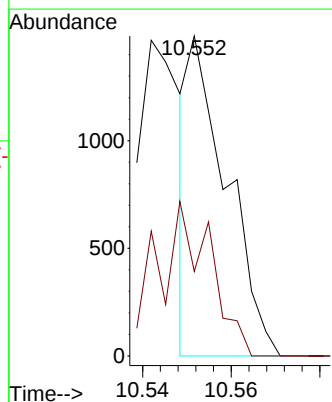
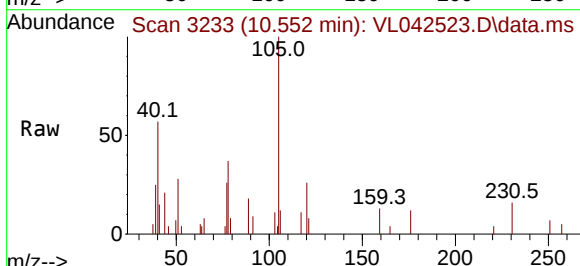
Acq: 07 May 2025 17:58

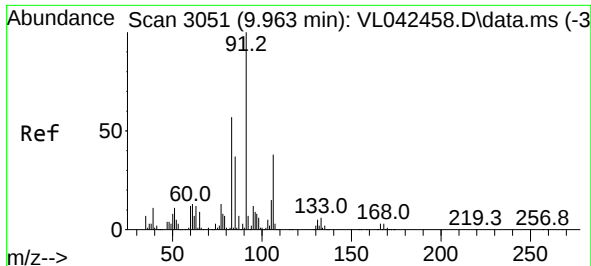
Tgt Ion:105 Resp: 899

Ion Ratio Lower Upper

105 100

120 68.7 18.8 28.2#

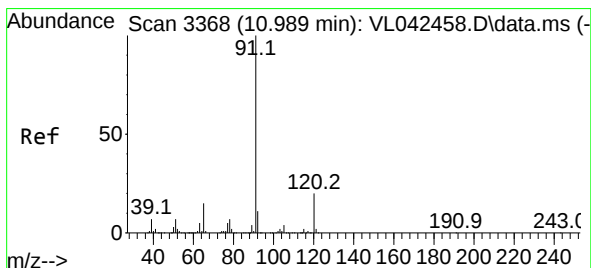
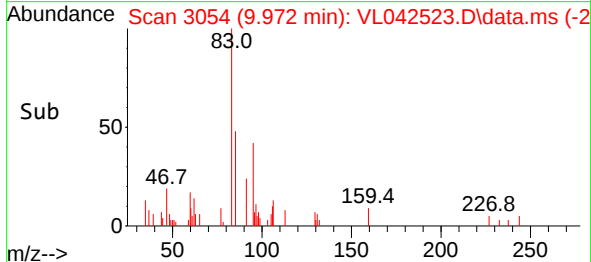
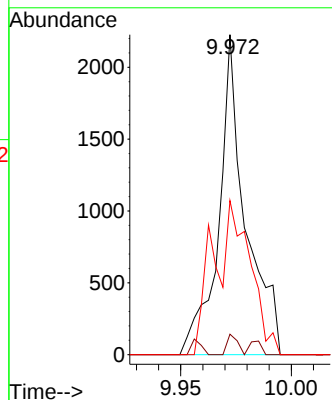
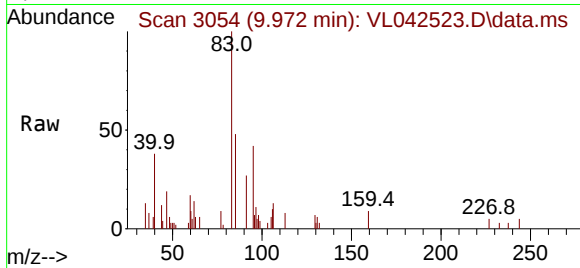




#63
1,1,2,2-Tetrachloroethane
Concen: 0.127 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

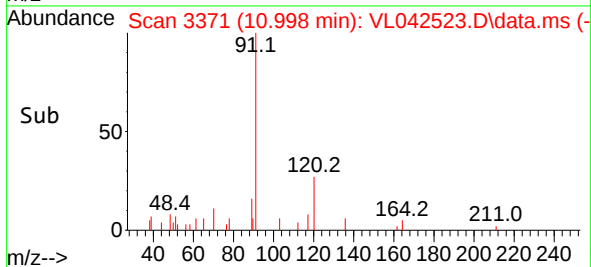
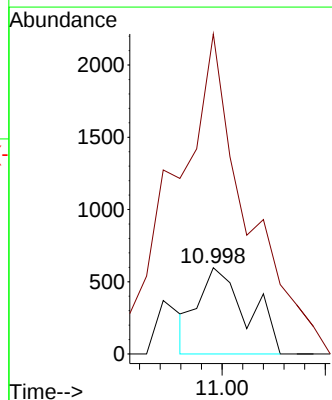
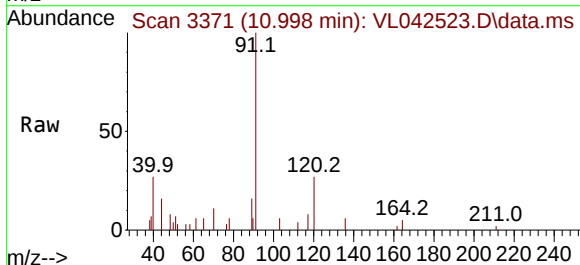
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

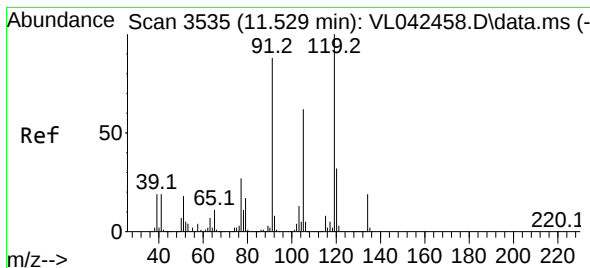
Tgt Ion:	83	Resp:	1881
Ion	Ratio	Lower	Upper
83	100		
131	6.2	4.7	14.1
85	66.1	32.5	97.4



#64
n-propylbenzene
Concen: 0.051 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion:	120	Resp:	388
Ion	Ratio	Lower	Upper
120	100		
91	572.4	408.6	612.8





#65

tert-Butylbenzene

Concen: 0.021 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

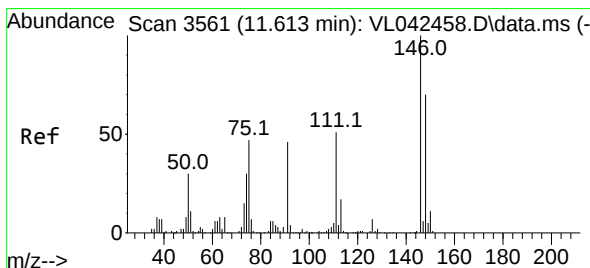
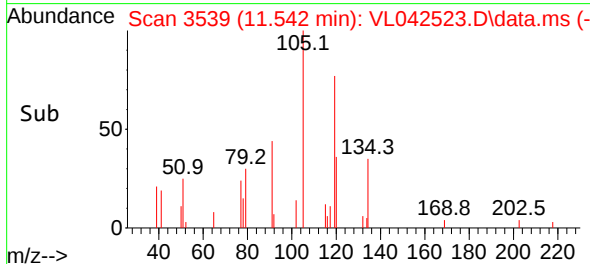
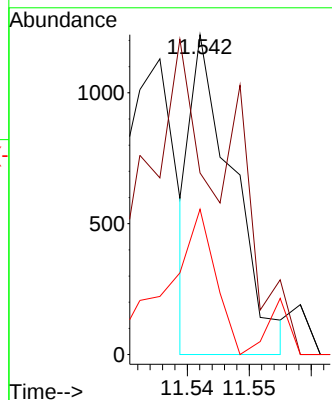
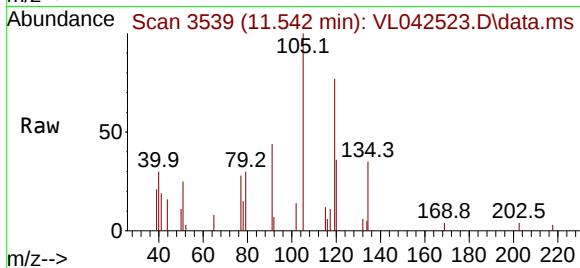
Tgt Ion:119 Resp: 570

Ion Ratio Lower Upper

119 100

91 0.0 71.6 107.4#

134 63.3 15.0 22.4#



#66

Benzyl Chloride

Concen: 0.056 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.010 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

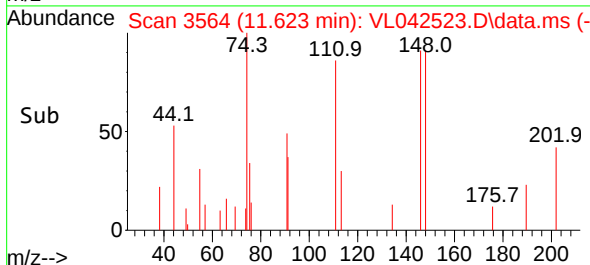
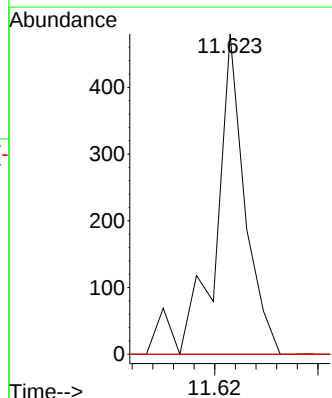
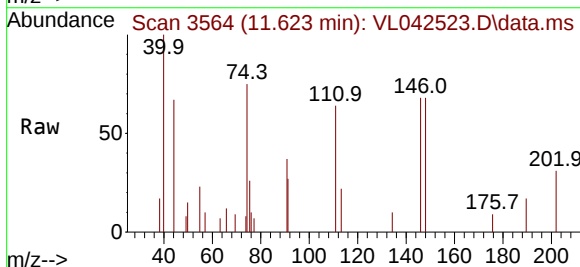
Tgt Ion: 91 Resp: 180

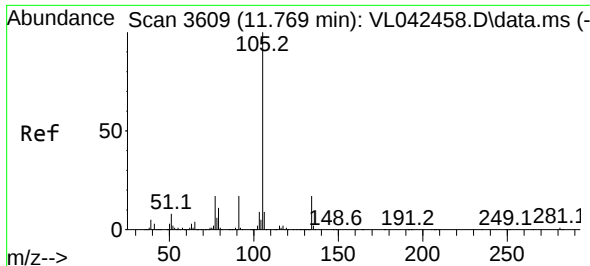
Ion Ratio Lower Upper

91 100

126 0.0 13.3 19.9#

128 0.0 4.2 6.4#

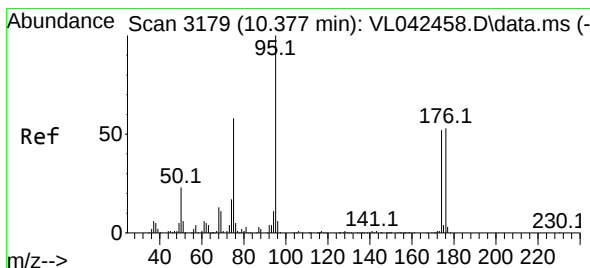
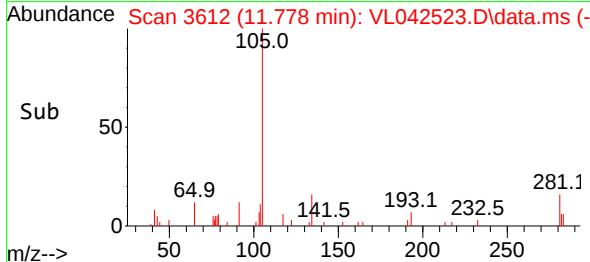
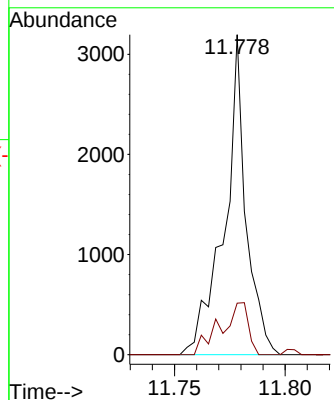
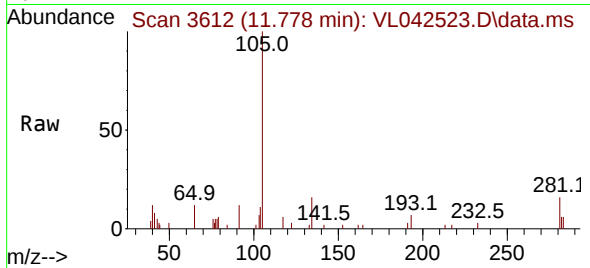




#67
 sec-Butylbenzene
 Concen: 0.055 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.010 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

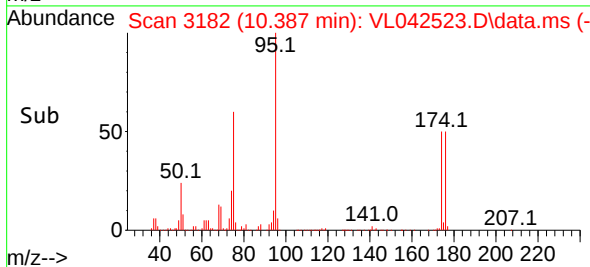
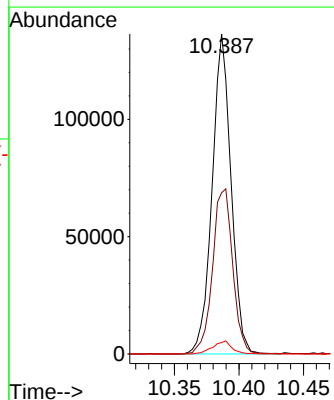
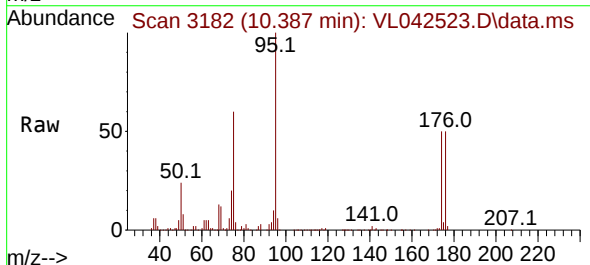
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.1

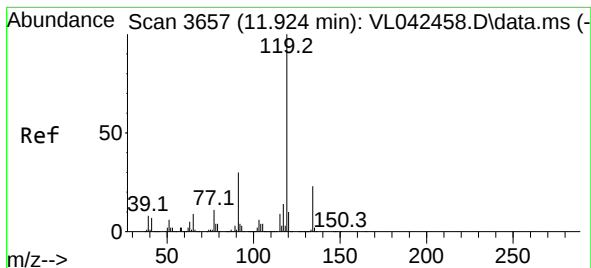
Tgt Ion:105 Resp: 2171
 Ion Ratio Lower Upper
 105 100
 134 21.7 14.1 21.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.779 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.010 min
 Lab File: VL042523.D
 Acq: 07 May 2025 17:58

Tgt Ion: 95 Resp: 139161
 Ion Ratio Lower Upper
 95 100
 174 55.3 42.7 64.1
 175 4.2 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.009 ppbv

RT: 11.943 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

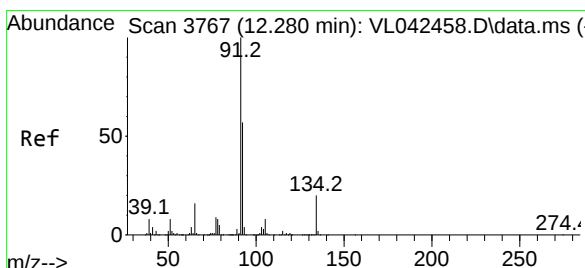
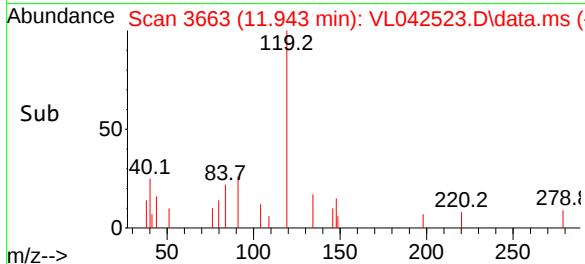
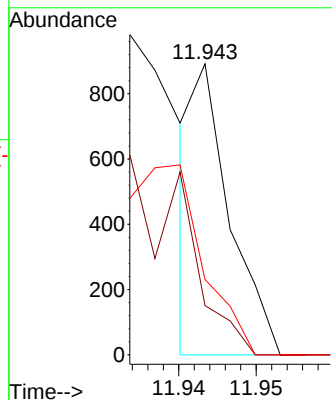
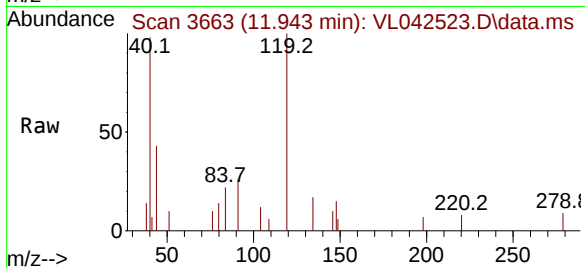
Tgt Ion:119 Resp: 289

Ion Ratio Lower Upper

119 100

134 0.0 19.0 28.4#

91 204.5 25.5 38.3#



#70

n-Butylbenzene

Concen: 0.006 ppbv

RT: 12.299 min Scan# 3773

Delta R.T. 0.019 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

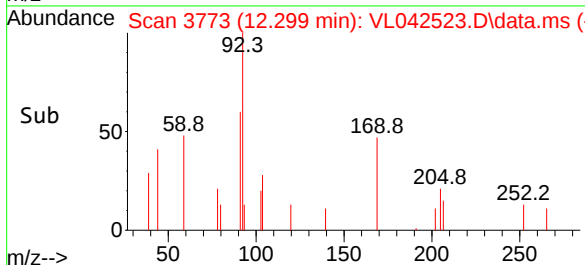
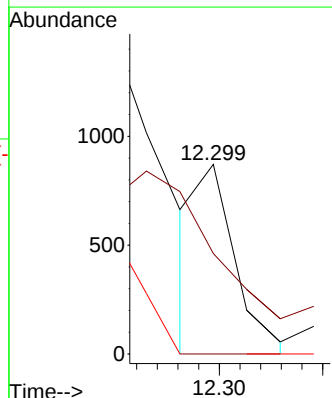
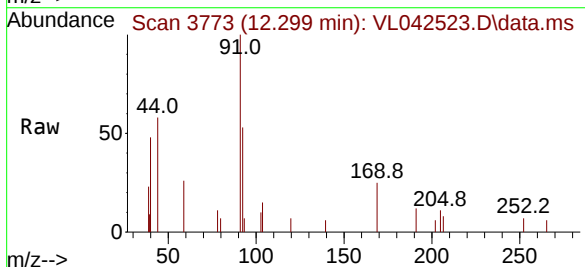
Tgt Ion: 91 Resp: 219

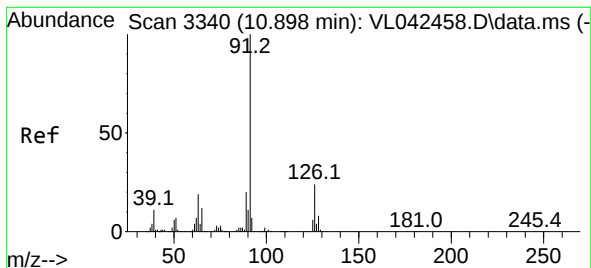
Ion Ratio Lower Upper

91 100

92 0.0 44.0 66.0#

134 0.0 16.8 25.2#

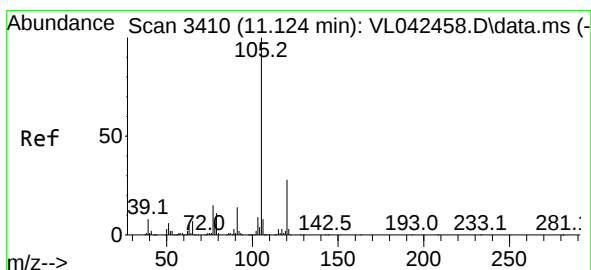
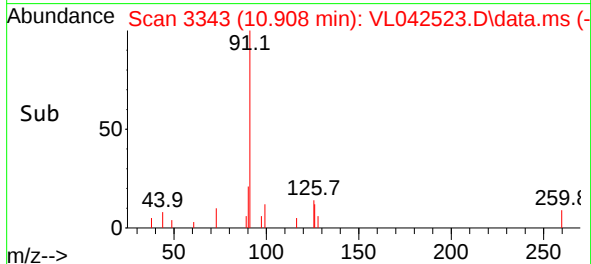
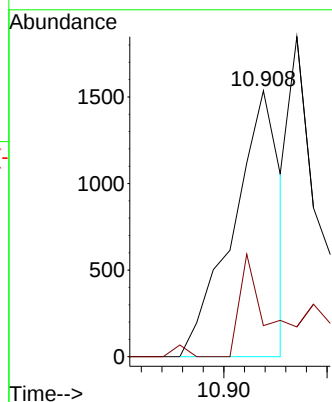
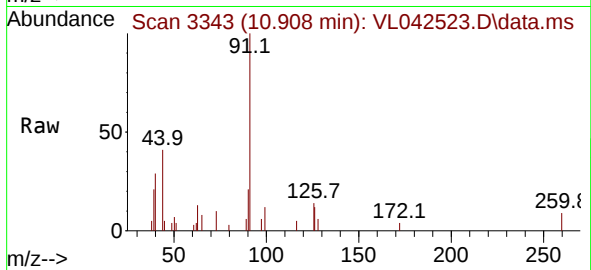




#71
2-Chlorotoluene
Concen: 0.040 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

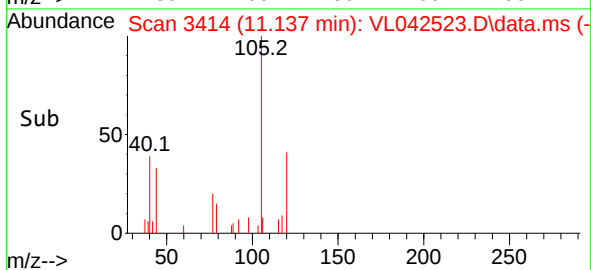
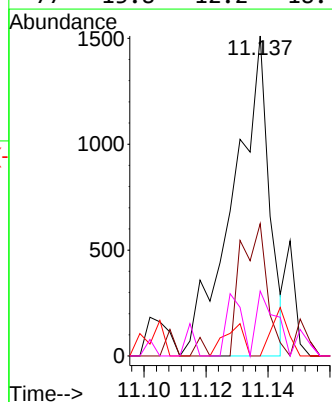
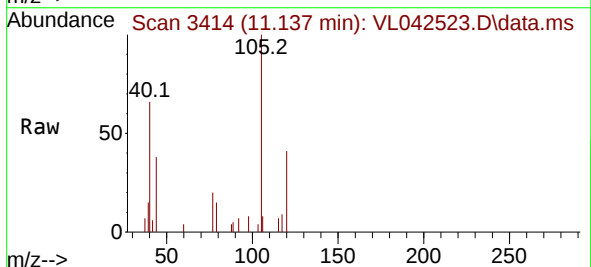
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

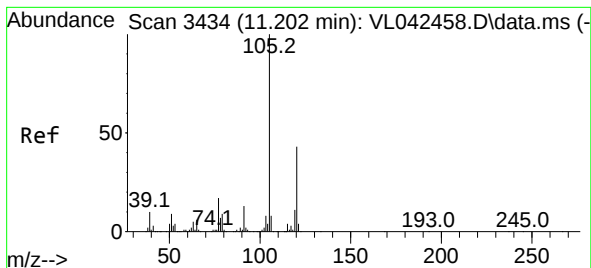
Tgt Ion: 91 Resp: 975
Ion Ratio Lower Upper
91 100
126 39.0 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.048 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. 0.013 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion: 105 Resp: 1216
Ion Ratio Lower Upper
105 100
120 35.3 22.0 33.0#
91 0.0 11.2 16.8#
77 13.8 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.048 ppbv

RT: 11.215 min Scan# 34

Delta R.T. 0.013 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

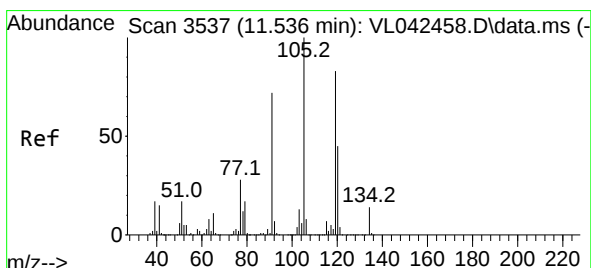
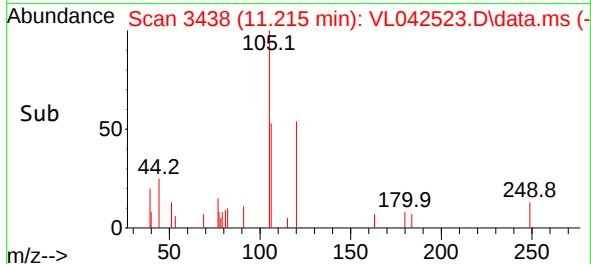
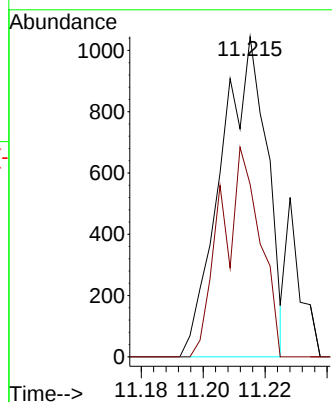
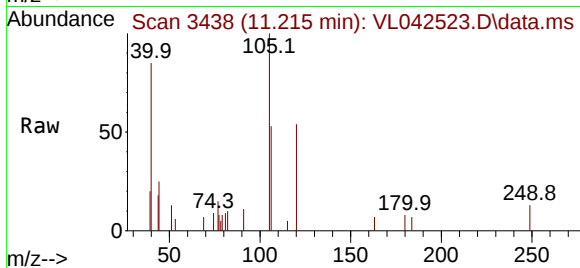
MDL3 0.1

Tgt Ion:105 Resp: 1079

Ion Ratio Lower Upper

105 100

120 53.9 34.4 51.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.059 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion:105 Resp: 1591

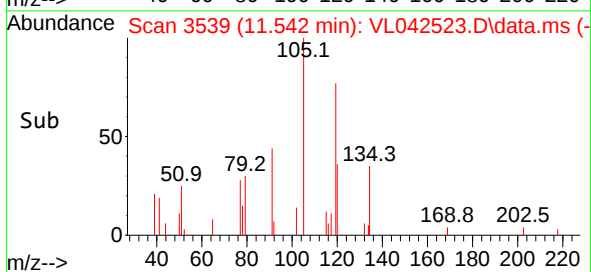
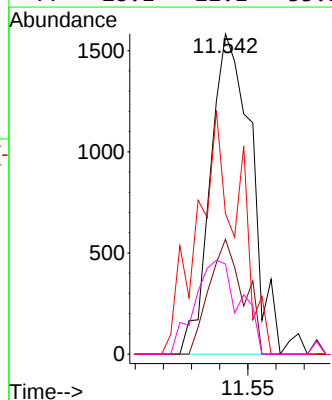
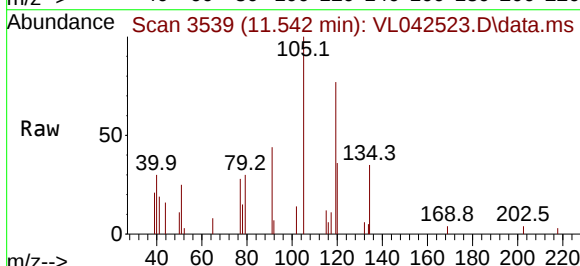
Ion Ratio Lower Upper

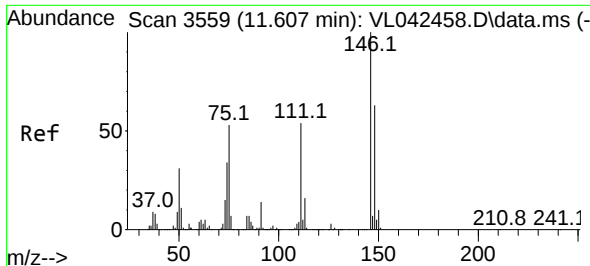
105 100

120 35.9 36.1 54.1#

91 43.8 57.6 86.4#

77 28.1 22.1 33.1

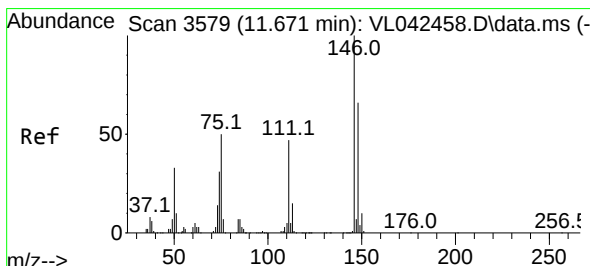
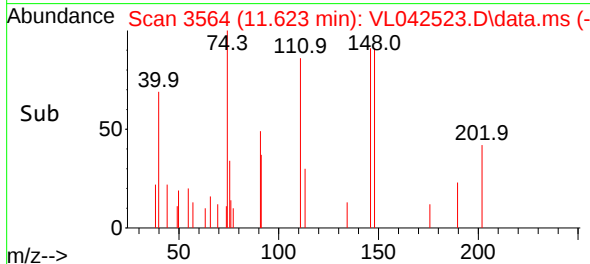
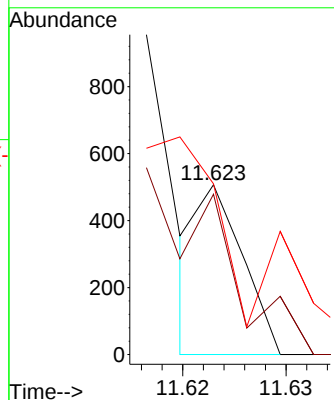
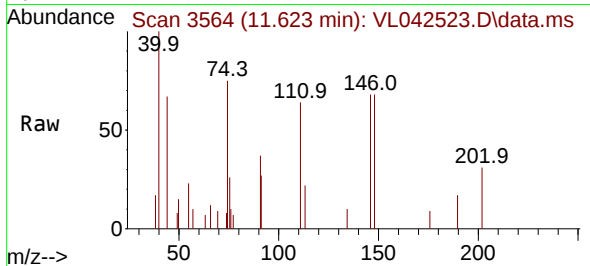




#75
1,3-Dichlorobenzene
Concen: 0.010 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.016 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

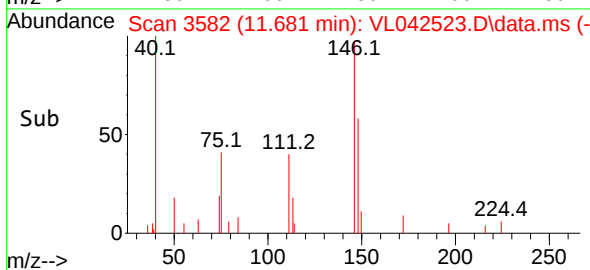
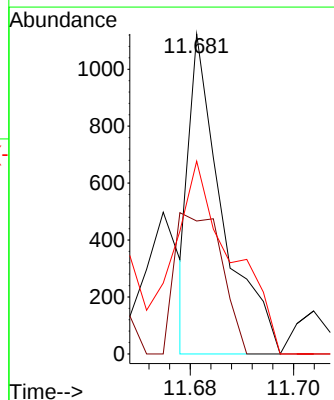
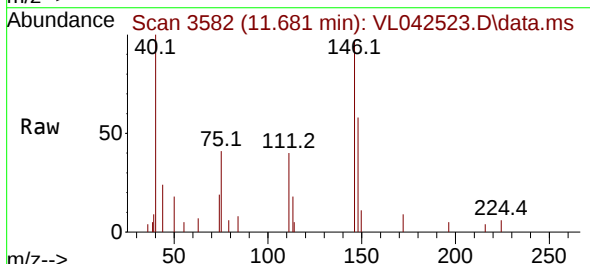
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

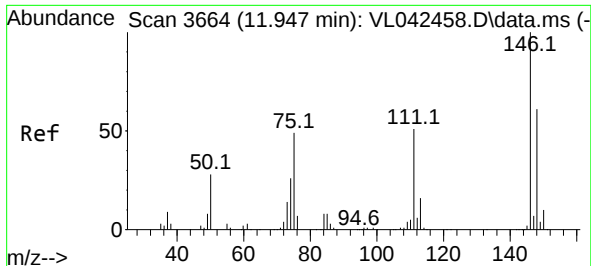
Tgt Ion:146 Resp: 150
Ion Ratio Lower Upper
146 100
111 0.0 26.1 78.3#
148 0.0 32.0 96.0#



#76
1,4-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion:146 Resp: 497
Ion Ratio Lower Upper
146 100
111 71.2 24.4 73.2
148 123.5 32.0 96.2#

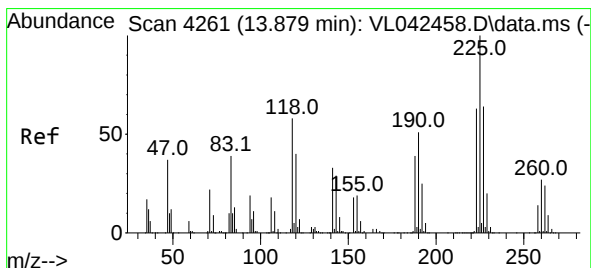
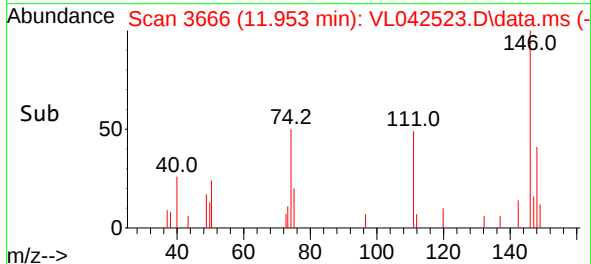
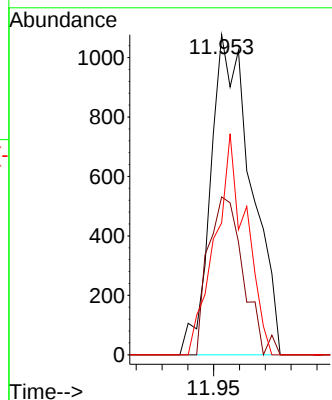
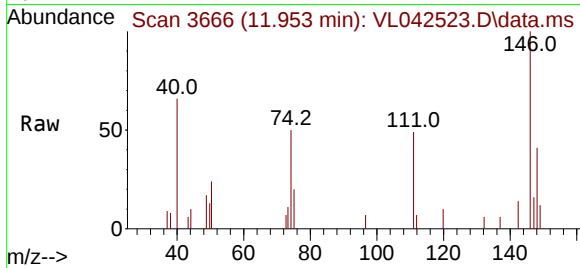




#77
1,2-Dichlorobenzene
Concen: 0.080 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.007 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

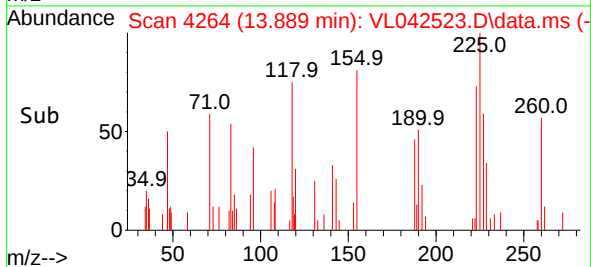
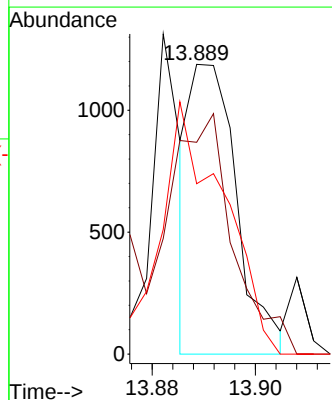
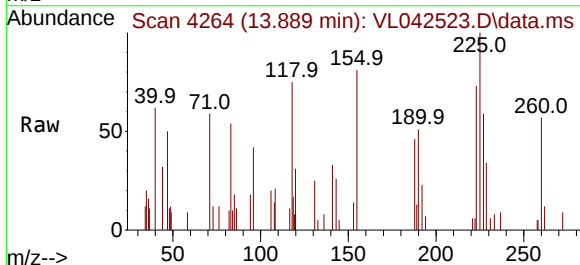
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1

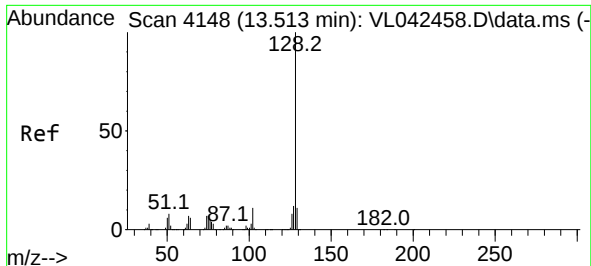
Tgt Ion:146 Resp: 1178
Ion Ratio Lower Upper
146 100
111 42.6 26.5 79.5
148 52.8 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.051 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.010 min
Lab File: VL042523.D
Acq: 07 May 2025 17:58

Tgt Ion:225 Resp: 744
Ion Ratio Lower Upper
225 100
223 132.4 50.2 75.4#
227 119.9 51.2 76.8#





#79

Naphthalene

Concen: 0.017 ppbv

RT: 13.529 min Scan# 4148

Delta R.T. 0.016 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

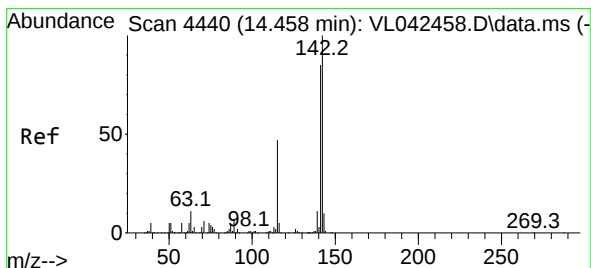
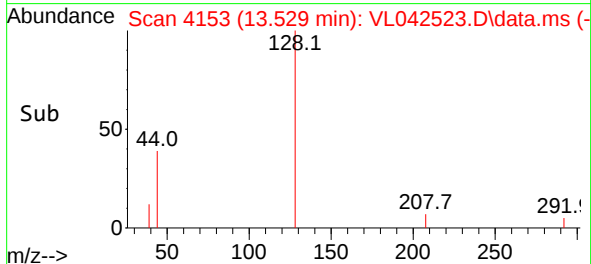
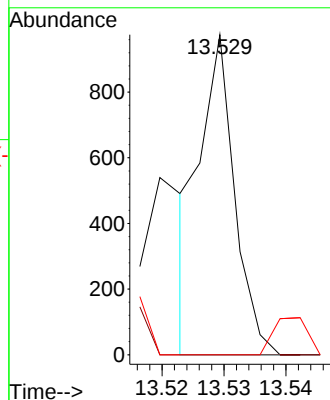
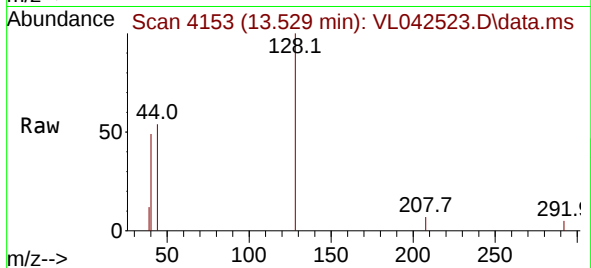
Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

Tgt Ion:128	Resp:	376
Ion	Ratio	Lower Upper
128	100	
127	0.0	9.7 14.5#
129	0.0	8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.003 ppbv

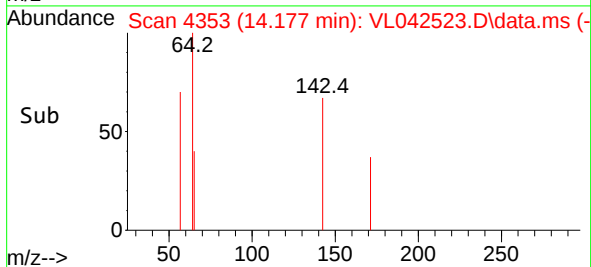
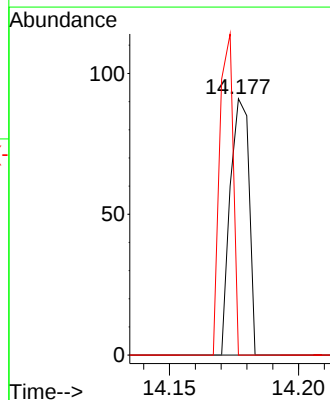
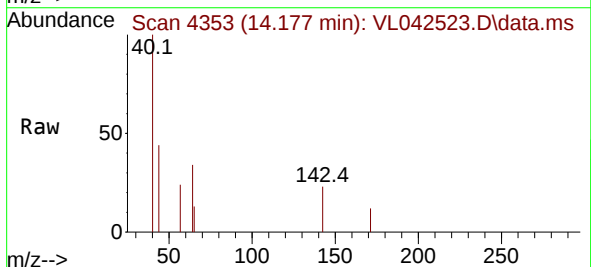
RT: 14.177 min Scan# 4353

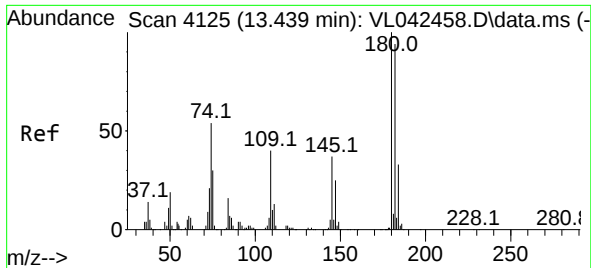
Delta R.T. -0.282 min

Lab File: VL042523.D

Acq: 07 May 2025 17:58

Tgt Ion:142	Resp:	46
Ion	Ratio	Lower Upper
142	100	
141	0.0	67.4 101.0#
115	89.1	36.9 55.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.014 ppbv

RT: 13.455 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL042523.D

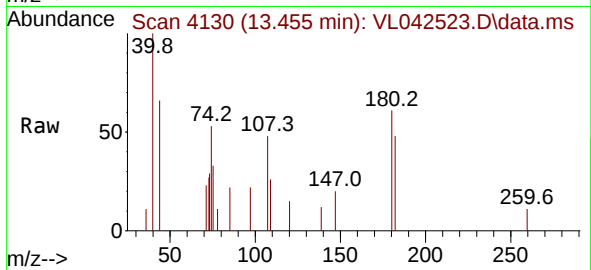
Acq: 07 May 2025 17:58

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1



Tgt Ion:180 Resp: 171

Ion Ratio Lower Upper

180 100

182 153.2 74.6 111.8#

184 0.0 24.9 37.3#

