

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042521.D
 Acq On : 07 May 2025 16:49
 Operator : SY/MD
 Sample : MDL1 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.1

Quant Time: May 08 01:40:30 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	2.794	49	72851	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	186260	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.892	117	153339	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	138418	9.736	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1705	0.141	ppbv	90
3) Chlorodifluoromethane	1.480	51	1718	0.135	ppbv #	89
4) Chloromethane	1.535	50	795	0.158	ppbv #	53
5) Vinyl Chloride	1.583	62	912	0.180	ppbv #	84
6) Bromomethane	1.667	94	381	0.159	ppbv #	33
7) Chloroethane	1.706	64	294	0.157	ppbv #	43
8) Dichlorotetrafluoroethane	1.554	85	1302	0.131	ppbv	100
9) Propene	1.603	41	587	0.141	ppbv	100
10) Heptane	4.998	43	65	0.006	ppbv #	1
11) Trichlorofluoromethane	2.143	101	1154	0.104	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.143	101	1154	0.130	ppbv #	74
13) Ethanol	1.719	45	175	0.207	ppbv #	1
14) Bromoethene	1.784	108	623	0.190	ppbv #	51
15) Acetone	1.839	43	3459	0.260	ppbv	100
16) 1,3-Butadiene	1.612	39	1066	0.182	ppbv	96
17) tert-Butyl alcohol	2.046	59	1557	0.133	ppbv #	72
18) 1,1-Dichloroethene	2.040	96	623	0.150	ppbv #	60
19) Isopropyl Alcohol	1.891	45	998	0.136	ppbv #	94
20) Methylene Chloride	2.062	84	1004	0.251	ppbv #	72
21) Allyl Chloride	2.101	41	1630	0.191	ppbv	90
22) trans-1,2-Dichloroethene	2.344	96	534	0.110	ppbv #	59
23) Vinyl Acetate	2.470	43	775	0.061	ppbv #	83
24) 1,1-Dichloroethane	2.412	63	1234	0.125	ppbv #	90
25) Ethyl Acetate	2.852	43	1325	0.062	ppbv #	83
26) Hexane	2.836	57	274	0.030	ppbv #	1
27) Carbon Disulfide	2.150	76	1462	0.135	ppbv #	59
28) Methyl tert-Butyl Ether	2.447	73	486	0.087	ppbv #	26
29) Chloroform	2.852	83	2361	0.136	ppbv	94
30) Cyclohexane	3.868	84	216	0.028	ppbv #	1
31) cis-1,2-Dichloroethene	2.729	61	500	0.046	ppbv #	84
32) 1,1,1-Trichloroethane	3.373	97	2134	0.113	ppbv	99
34) 2-Butanone	2.570	43	1201	0.089	ppbv #	64
35) Carbon Tetrachloride	3.771	117	1019	0.060	ppbv #	65
36) Benzene	3.668	78	733	0.042	ppbv #	75
37) 1,2-Dichloroethane	3.227	62	1314	0.097	ppbv #	84
38) Trichloroethene	4.561	130	155	0.023	ppbv #	37
39) 1,2-Dichloropropane	3.965	63	54762	8.322	ppbv #	20
40) 1,4-Dioxane	4.606	88	30	0.010	ppbv #	100
41) Tetrahydrofuran	3.082	42	522	0.082	ppbv #	87
42) Bromodichloromethane	4.499	83	1561	0.094	ppbv #	53
43) Methyl Methacrylate	4.907	69	304	0.046	ppbv #	61
44) 2,2,4-Trimethylpentane	4.648	57	523	0.018	ppbv #	1
45) t-1,3-Dichloropropene	6.435	75	133	0.015	ppbv #	79

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.1

Quant Time: May 08 01:40:30 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

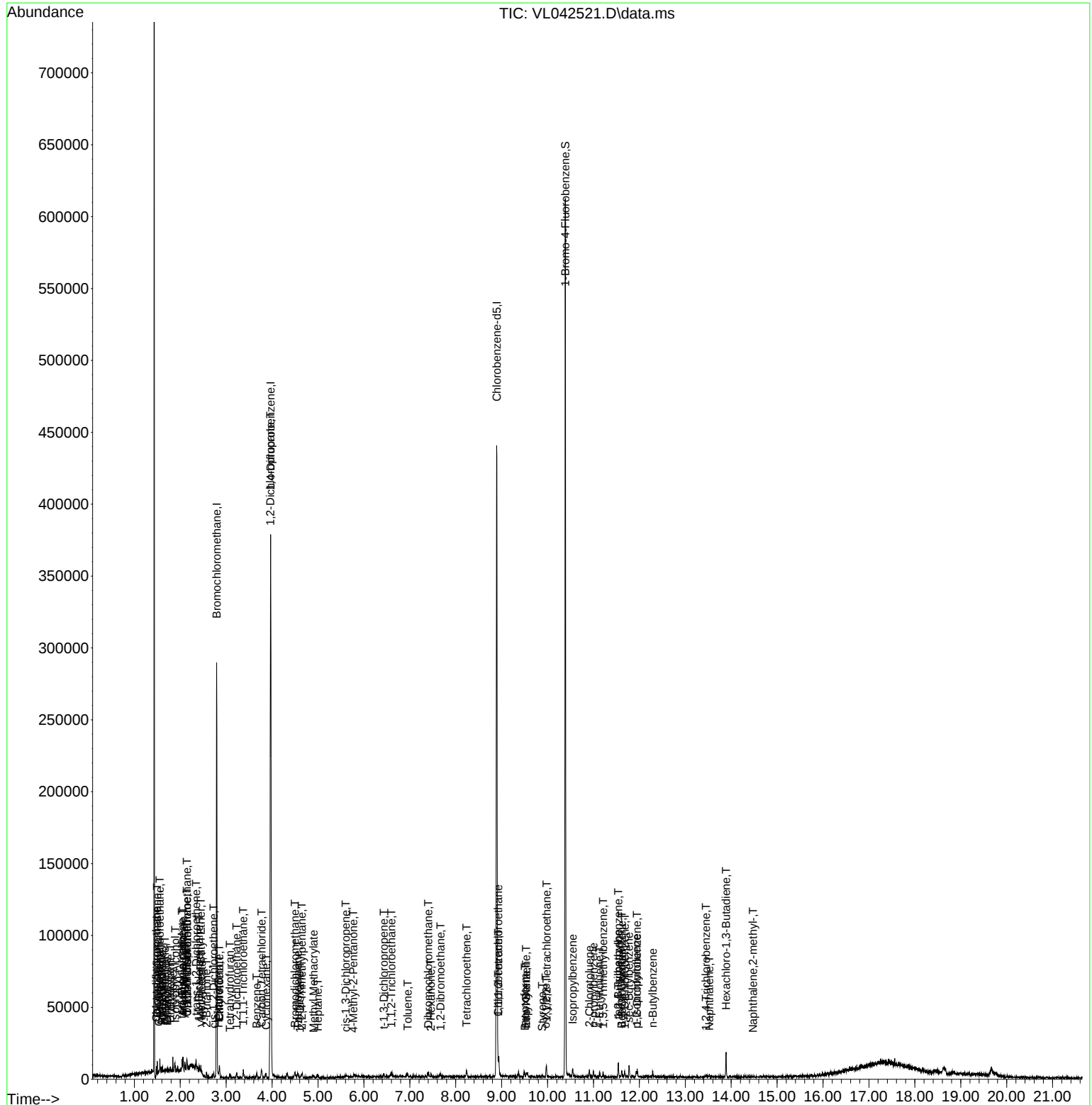
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	228	0.022	ppbv	89
47) 1,1,2-Trichloroethane	6.600	97	499	0.069	ppbv #	41
48) Dibromochloromethane	7.399	129	1272	0.104	ppbv	99
49) Bromoform	9.507	173	108	0.011	ppbv #	28
50) 4-Methyl-2-Pentanone	5.768	43	35	0.002	ppbv #	38
51) 2-Hexanone	7.458	43	300	0.022	ppbv #	31
52) Tetrachloroethene	8.238	164	316	0.047	ppbv #	25
53) Toluene	6.953	91	391	0.021	ppbv #	21
54) 1,2-Dibromoethane	7.671	107	241	0.022	ppbv #	7
56) 1,1,1,2-Tetrachloroethane	8.927	131	899	0.099	ppbv #	10
57) Chlorobenzene	8.927	112	1059	0.069	ppbv #	30
58) Ethyl Benzene	9.536	91	950	0.037	ppbv	92
59) m/p-Xylene	9.536	91	950	0.044	ppbv #	33
60) o-Xylene	9.960	91	217	0.010	ppbv	87
61) Styrene	9.885	104	330	0.041	ppbv #	62
62) Isopropylbenzene	10.549	105	1271	0.041	ppbv #	61
63) 1,1,2,2-Tetrachloroethane	9.979	83	1753	0.118	ppbv	92
64) n-propylbenzene	11.002	120	273	0.036	ppbv #	1
65) tert-Butylbenzene	11.539	119	1552	0.056	ppbv #	83
66) Benzyl Chloride	11.614	91	53	0.017	ppbv #	67
67) sec-Butylbenzene	11.772	105	2014	0.051	ppbv	99
69) p-Isopropyltoluene	11.937	119	800	0.024	ppbv #	67
70) n-Butylbenzene	12.290	91	1603	0.047	ppbv #	88
71) 2-Chlorotoluene	10.915	91	1740	0.072	ppbv	94
72) 4-Ethyltoluene	11.128	105	1181	0.047	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.212	105	1042	0.047	ppbv	96
74) 1,2,4-Trimethylbenzene	11.542	105	1190	0.044	ppbv #	69
75) 1,3-Dichlorobenzene	11.617	146	476	0.032	ppbv #	1
76) 1,4-Dichlorobenzene	11.685	146	484	0.034	ppbv #	31
77) 1,2-Dichlorobenzene	11.950	146	892	0.061	ppbv	74
78) Hexachloro-1,3-Butadiene	13.886	225	1560	0.106	ppbv	99
79) Naphthalene	13.520	128	626	0.028	ppbv #	89
80) Naphthalene,2-methyl-	14.478	142	20	0.001	ppbv #	23
81) 1,2,4-Trichlorobenzene	13.452	180	332	0.027	ppbv #	77

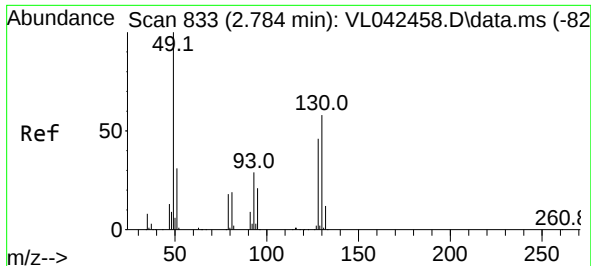
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\  
Data File : VL042521.D  
Acq On    : 07 May 2025  16:49  
Operator  : SY/MD  
Sample    : MDL1 0.1  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

Quant Time: May 08 01:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

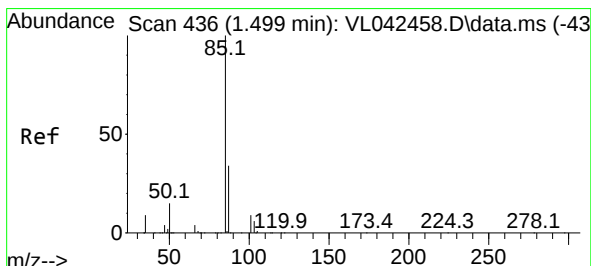
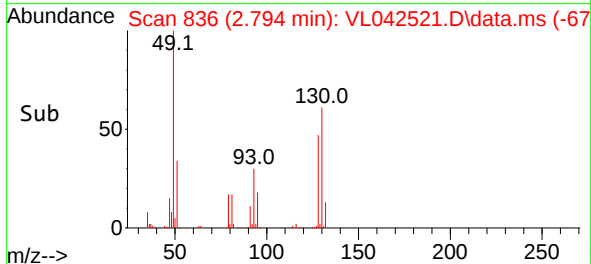
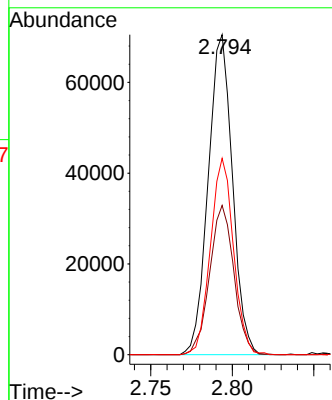
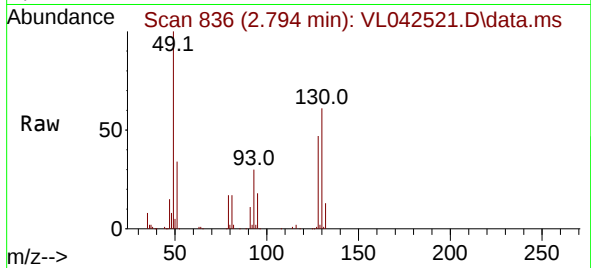




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.794 min Scan# 833
 Delta R.T. 0.010 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

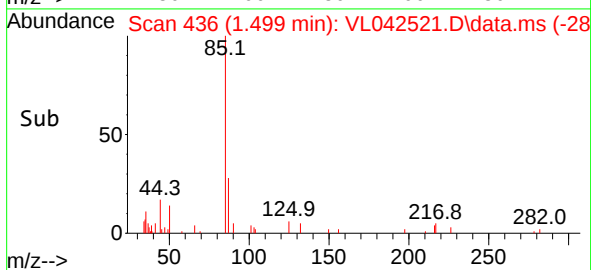
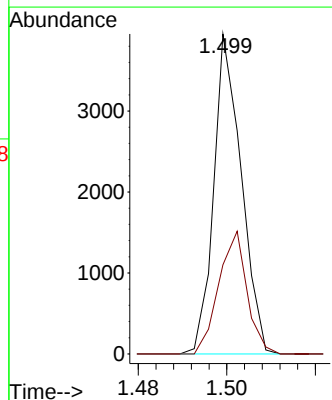
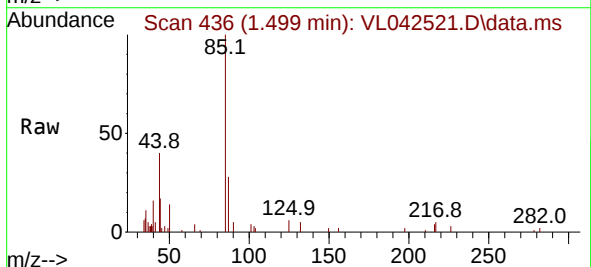
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 MSVOA_1
 ClientSampleId :
 MDL1 0.1

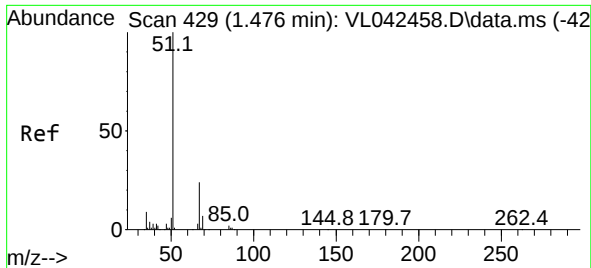
Tgt Ion: 49 Resp: 72851
 Ion Ratio Lower Upper
 49 100
 128 46.7 23.3 69.9
 130 58.5 29.5 88.6



#2
 Dichlorodifluoromethane
 Concen: 0.141 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

Tgt Ion: 85 Resp: 1705
 Ion Ratio Lower Upper
 85 100
 87 27.8 26.9 40.3

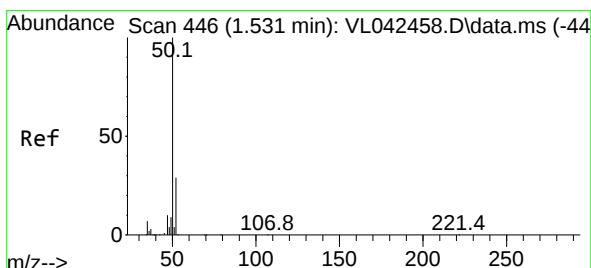
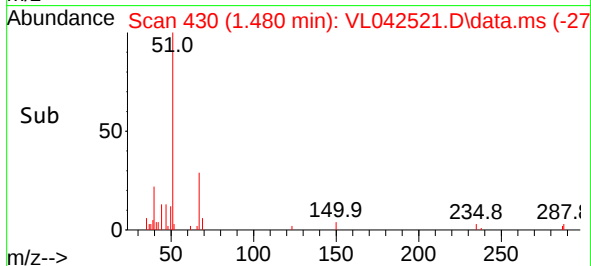
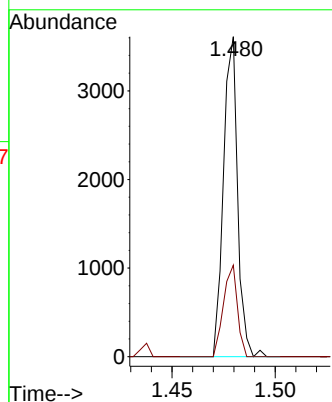
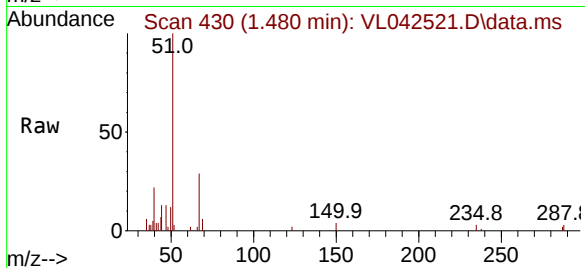




#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

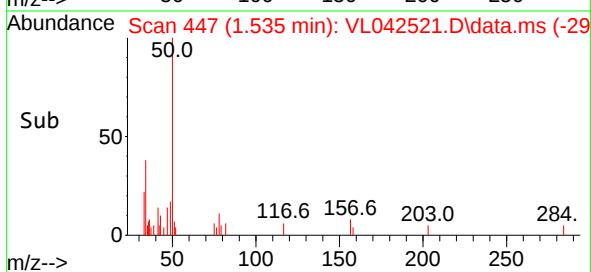
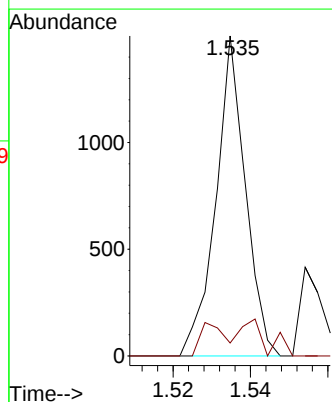
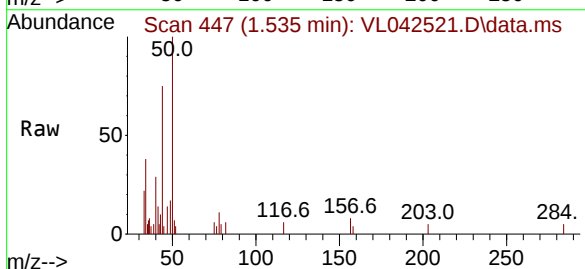
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MSVOA_L
ClientSampleId :
MDL1 0.1

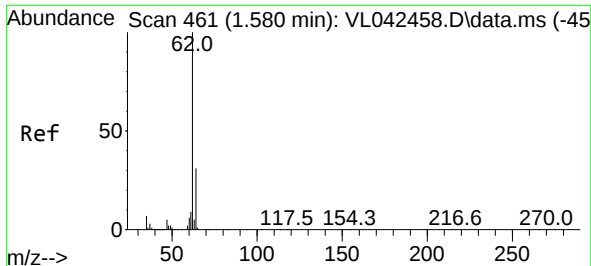
Tgt Ion: 51 Resp: 1718
Ion Ratio Lower Upper
51 100
67 28.2 18.4 27.6#



#4
Chloromethane
Concen: 0.158 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 50 Resp: 795
Ion Ratio Lower Upper
50 100
52 4.1 23.5 35.3#

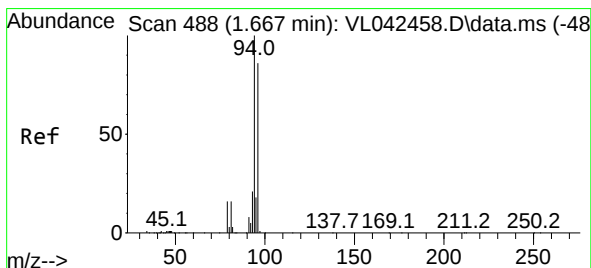
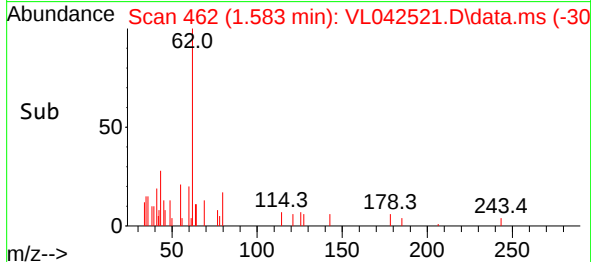
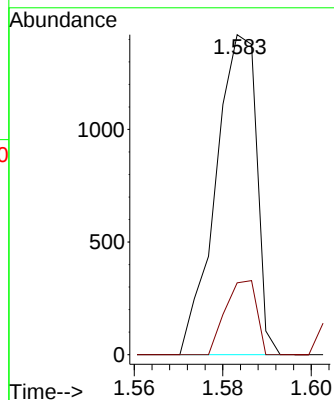
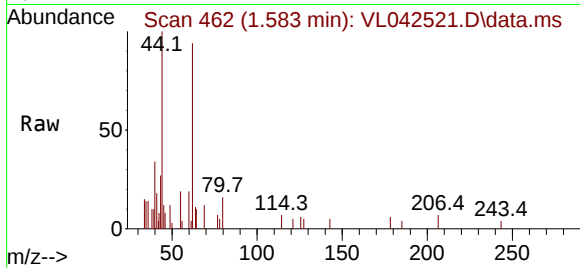




#5
 Vinyl Chloride
 Concen: 0.180 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.004 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

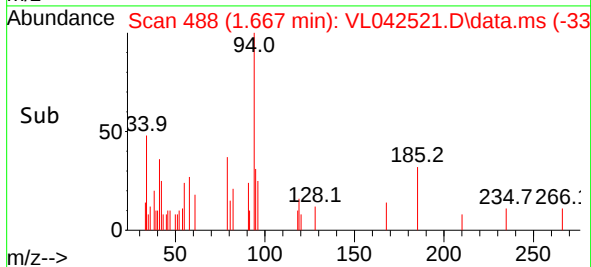
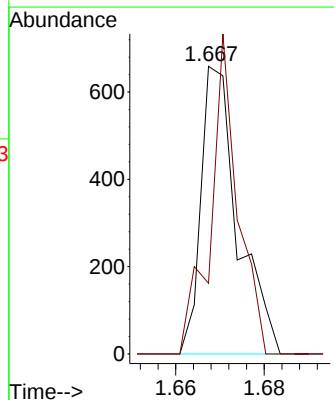
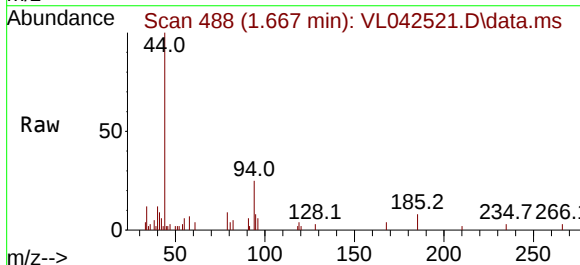
Instrument :
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 ClientSampleId :
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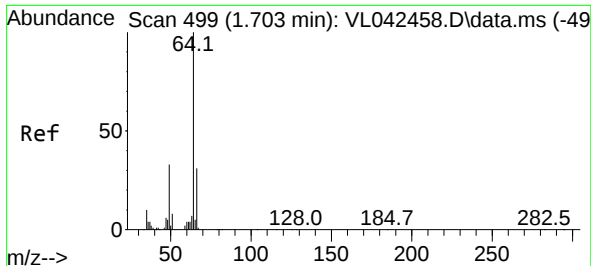
Tgt Ion: 62 Resp: 912
 Ion Ratio Lower Upper
 62 100
 64 22.4 24.9 37.3#



#6
 Bromomethane
 Concen: 0.159 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

Tgt Ion: 94 Resp: 381
 Ion Ratio Lower Upper
 94 100
 96 24.6 68.8 103.2#

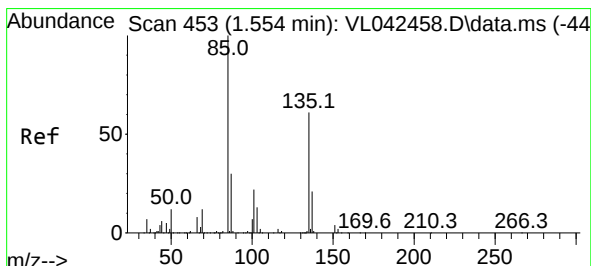
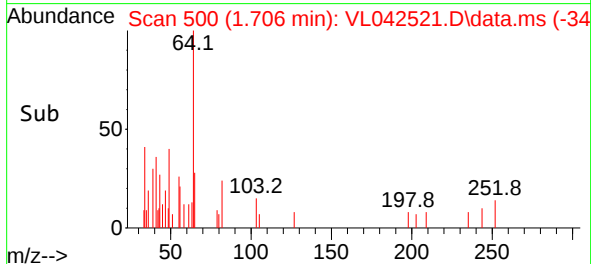
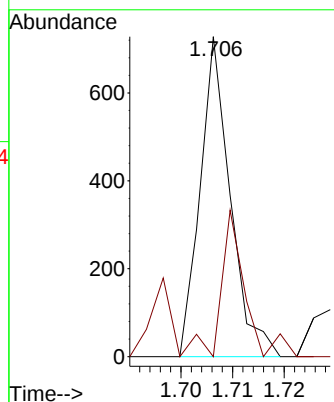
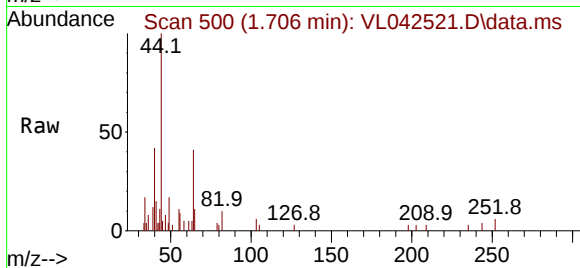




#7
Chloroethane
Concen: 0.157 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

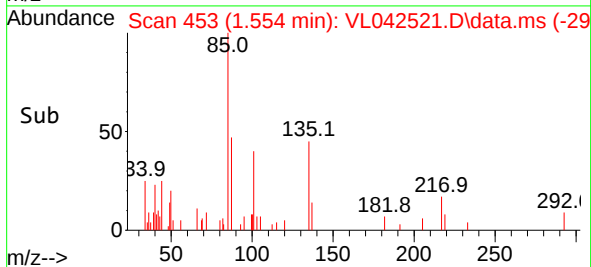
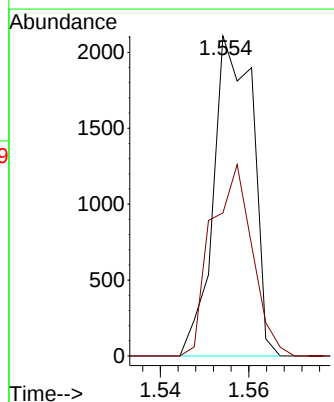
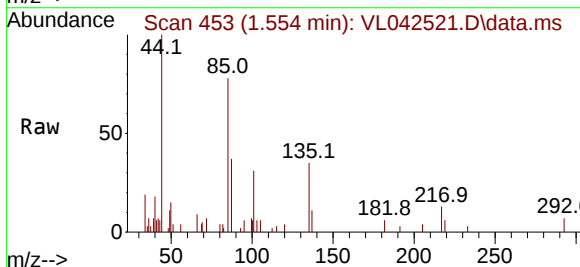
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MSVOA_1
ClientSampleId :
MDL1 0.1

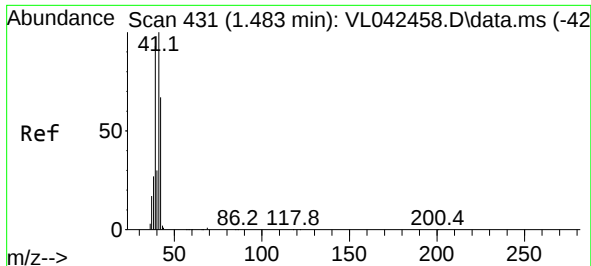
Tgt Ion: 64 Resp: 294
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#8
Dichlorotetrafluoroethane
Concen: 0.131 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 85 Resp: 1302
Ion Ratio Lower Upper
85 100
135 62.1 49.8 74.8





#9

Propene

Concen: 0.141 ppbv

RT: 1.603 min Scan# 41

Delta R.T. 0.120 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_1

ClientSampleId :

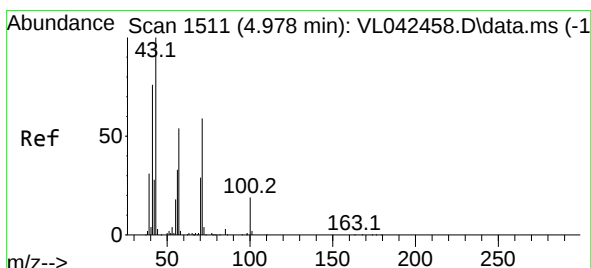
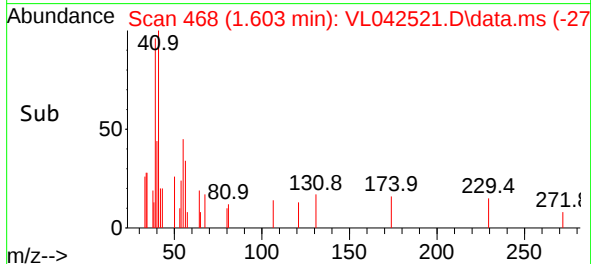
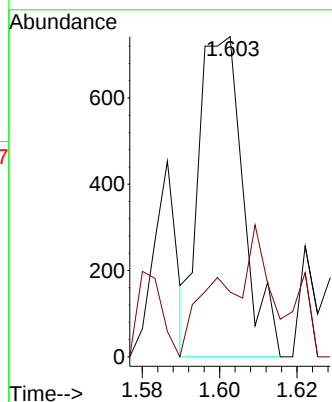
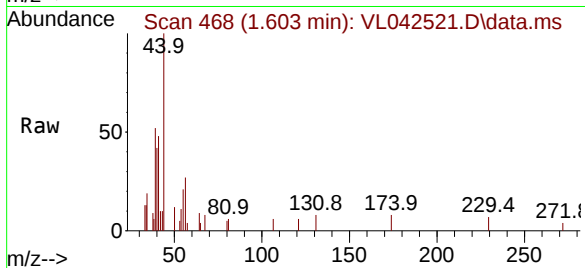
MDL1 0.1

Tgt Ion: 41 Resp: 587

Ion Ratio Lower Upper

41 100

42 67.6 54.3 81.5



#10

Heptane

Concen: 0.006 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.020 min

Lab File: VL042521.D

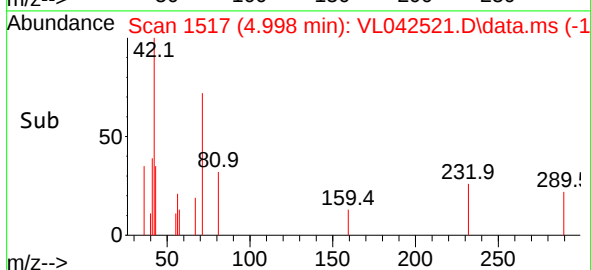
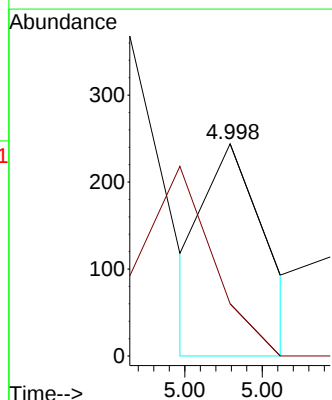
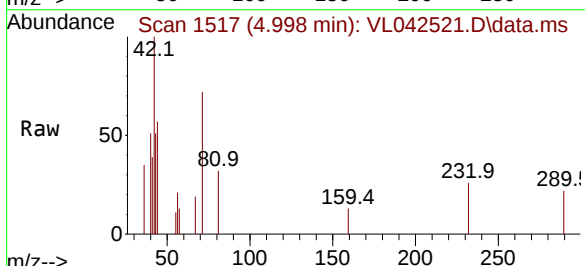
Acq: 07 May 2025 16:49

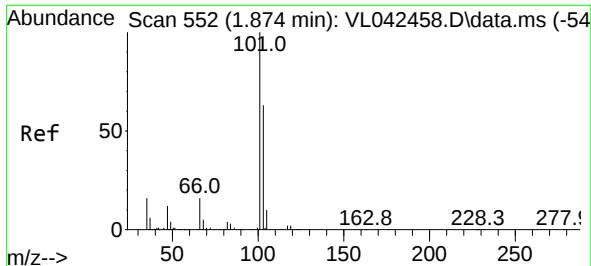
Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

57 333.8 41.8 62.8#





#11

Trichlorofluoromethane

Concen: 0.104 ppbv

RT: 2.143 min Scan# 61

Delta R.T. 0.269 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

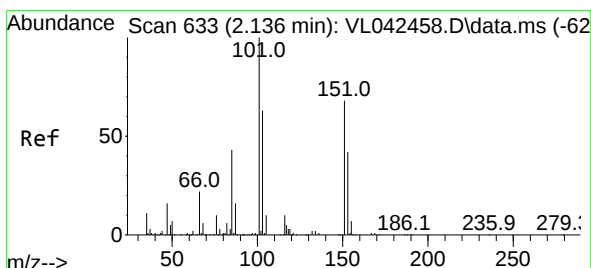
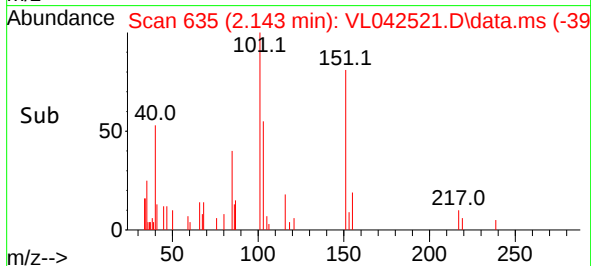
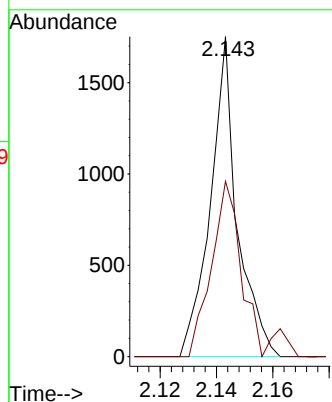
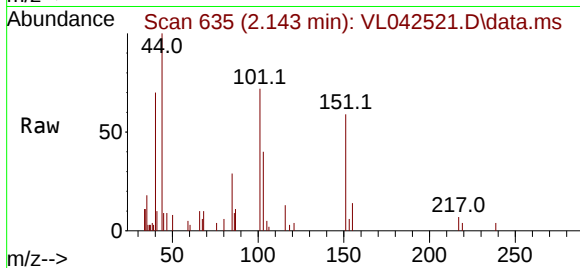
MDL1 0.1

Tgt Ion:101 Resp: 1154

Ion Ratio Lower Upper

101 100

103 54.8 50.6 76.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.130 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.007 min

Lab File: VL042521.D

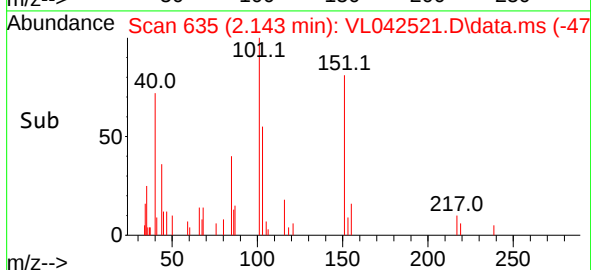
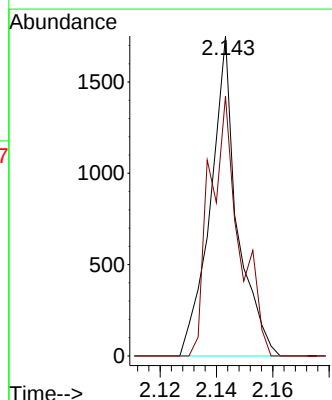
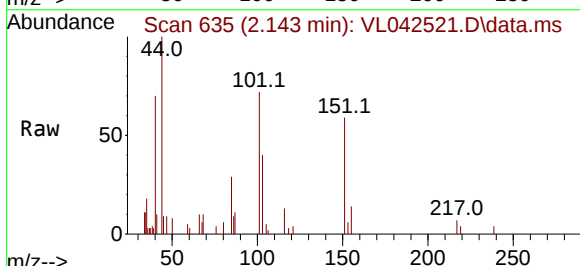
Acq: 07 May 2025 16:49

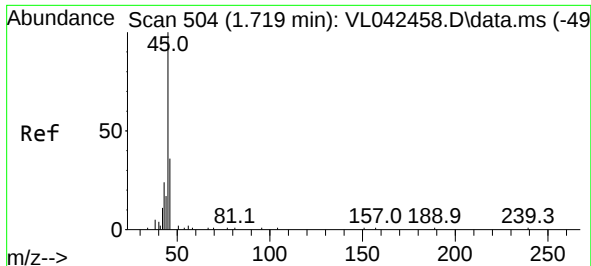
Tgt Ion:101 Resp: 1154

Ion Ratio Lower Upper

101 100

151 89.3 54.6 82.0#

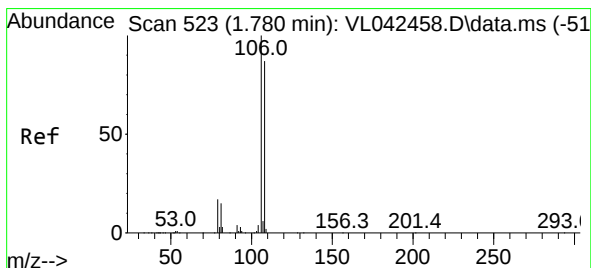
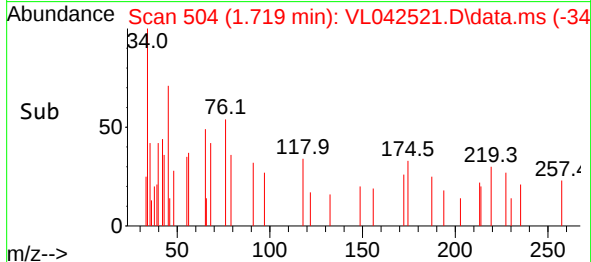
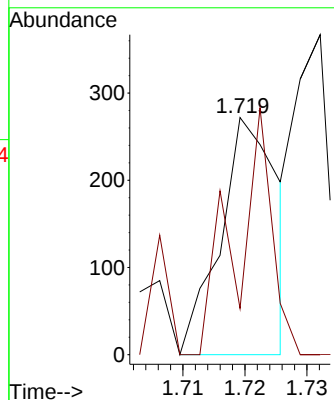
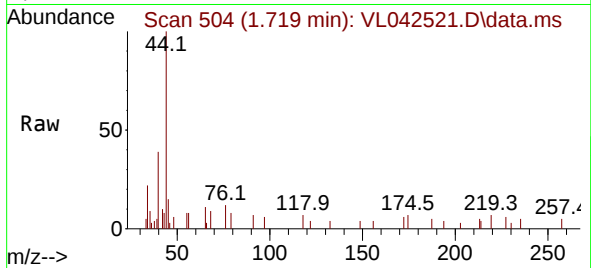




#13
Ethanol
Concen: 0.207 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

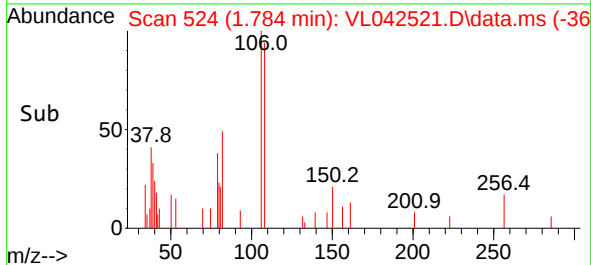
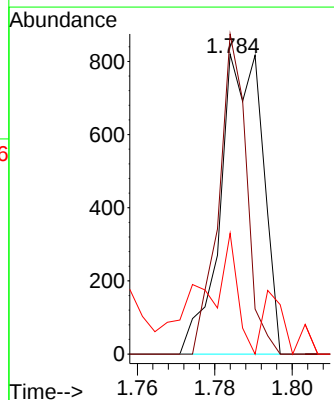
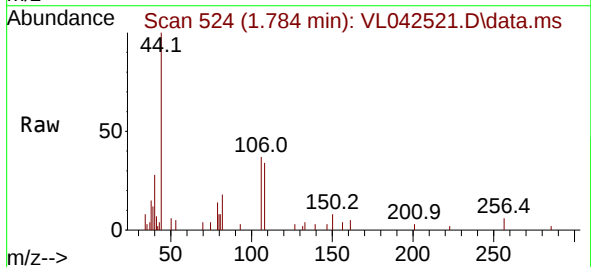
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

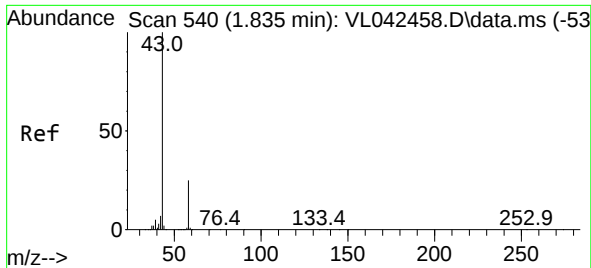
Tgt Ion: 45 Resp: 175
Ion Ratio Lower Upper
45 100
46 106.3 15.3 61.1#



#14
Bromoethene
Concen: 0.190 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 108 Resp: 623
Ion Ratio Lower Upper
108 100
106 70.5 88.8 133.2#
79 71.9 17.1 25.7#





#15

Acetone

Concen: 0.260 ppbv

RT: 1.839 min Scan# 540

Delta R.T. 0.004 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

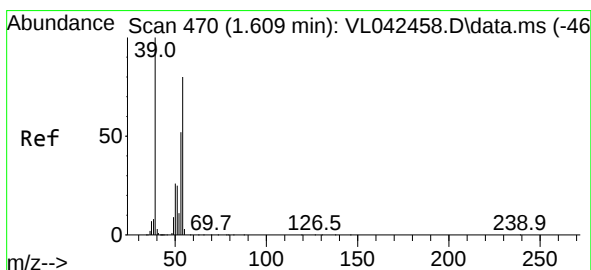
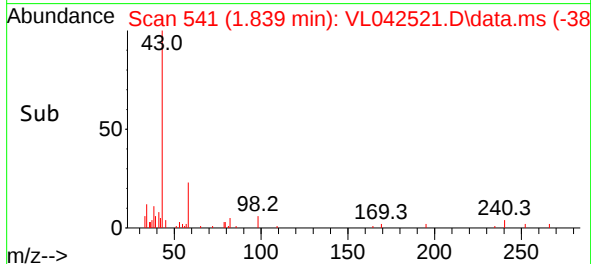
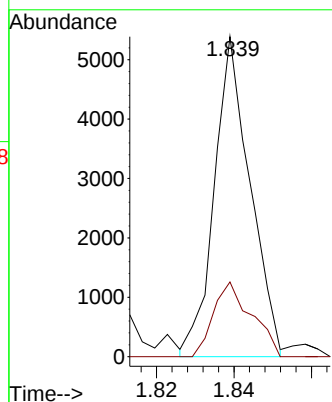
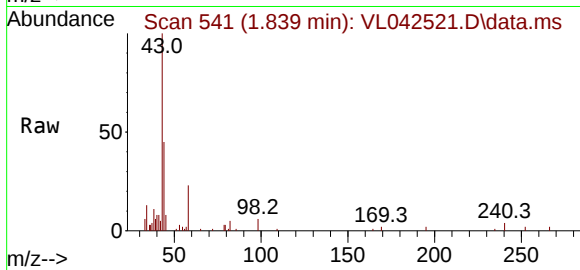
MDL1 0.1

Tgt Ion: 43 Resp: 3459

Ion Ratio Lower Upper

43 100

58 24.8 19.8 29.8



#16

1,3-Butadiene

Concen: 0.182 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.004 min

Lab File: VL042521.D

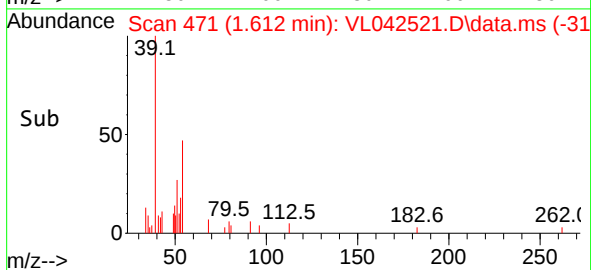
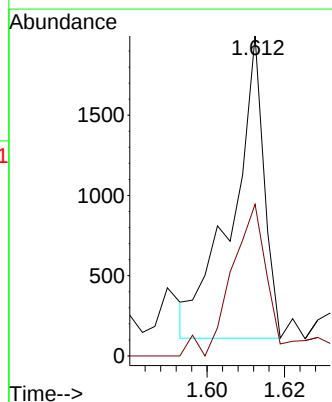
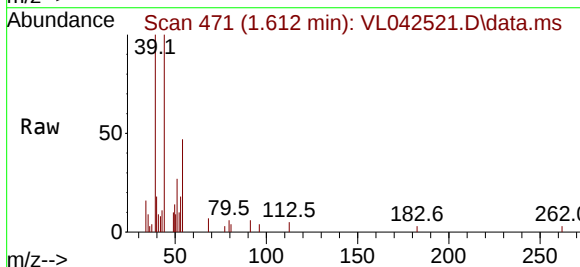
Acq: 07 May 2025 16:49

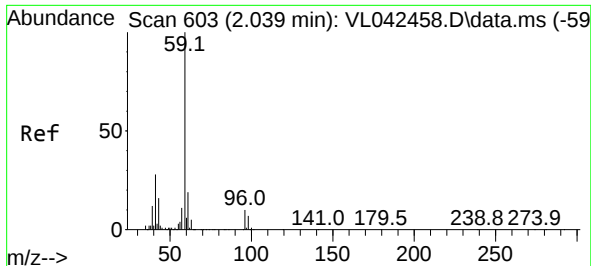
Tgt Ion: 39 Resp: 1066

Ion Ratio Lower Upper

39 100

54 66.0 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.133 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.007 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

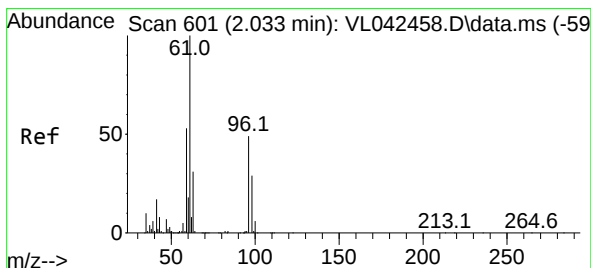
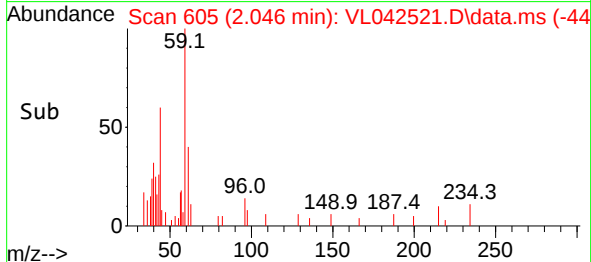
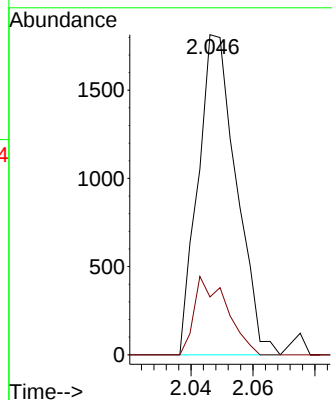
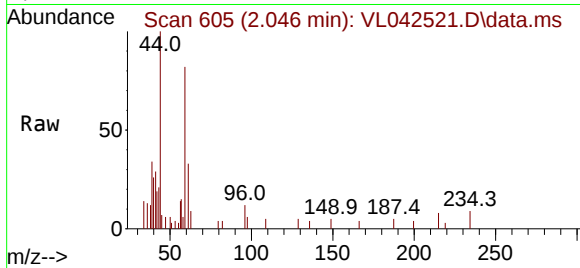
MDL1 0.1

Tgt Ion: 59 Resp: 1557

Ion Ratio Lower Upper

59 100

57 20.9 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.150 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

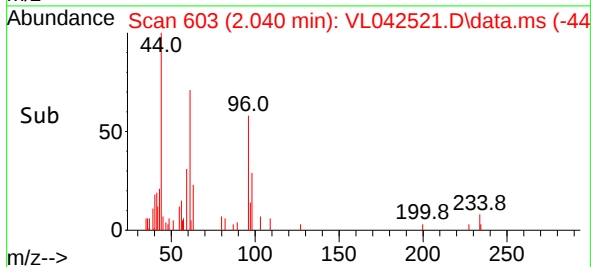
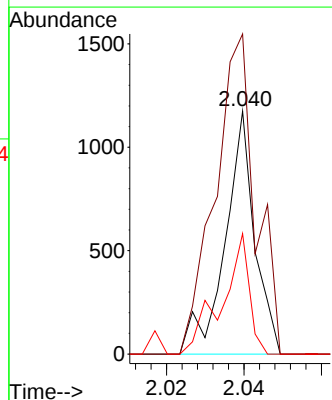
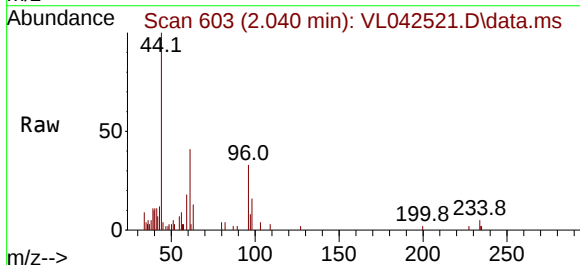
Tgt Ion: 96 Resp: 623

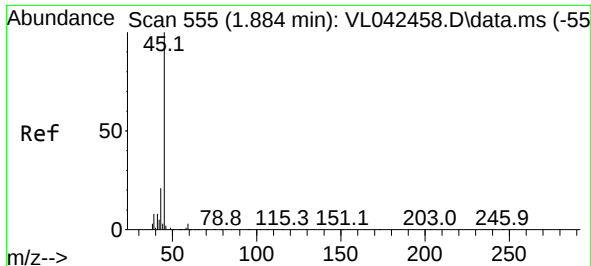
Ion Ratio Lower Upper

96 100

61 131.7 164.9 247.3#

98 49.5 48.2 72.2

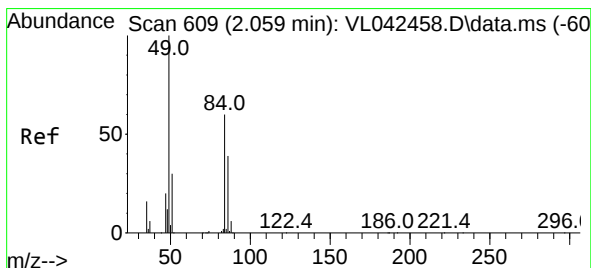
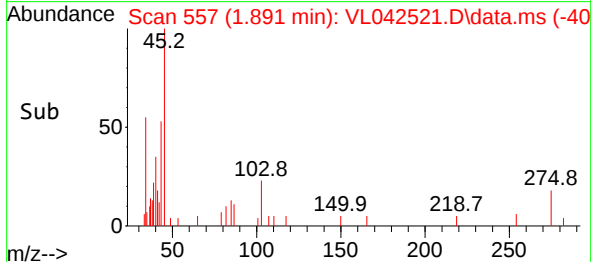
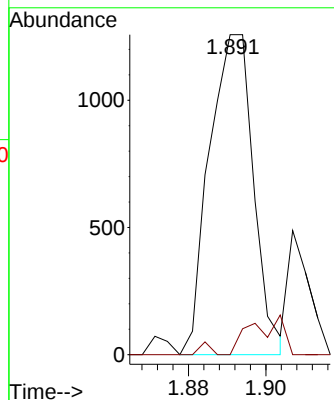
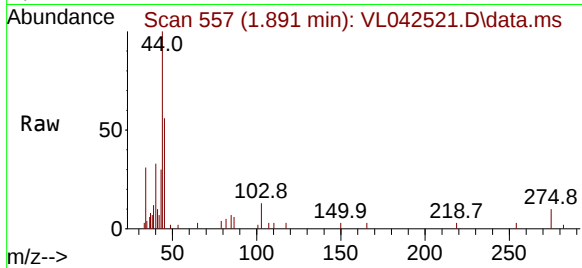




#19
Isopropyl Alcohol
Concen: 0.136 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

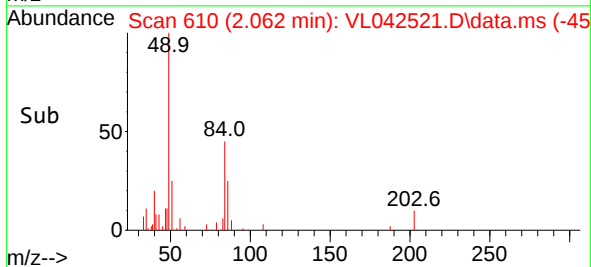
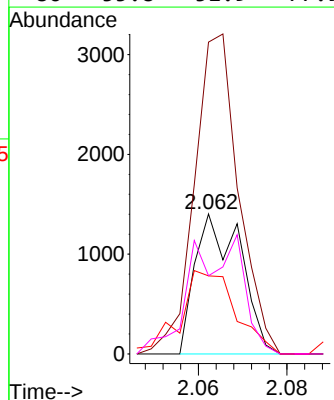
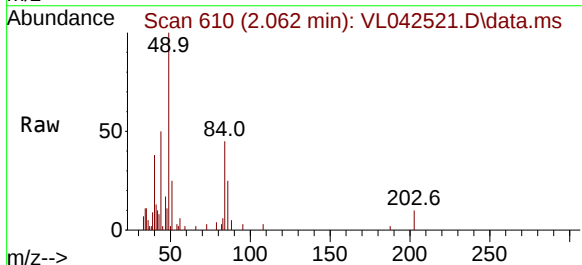
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

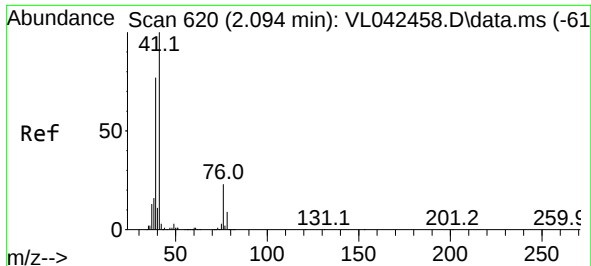
Tgt Ion: 45 Resp: 998
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#



#20
Methylene Chloride
Concen: 0.251 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 222.6 133.9 200.9#
51 55.7 41.0 61.6
86 55.8 51.9 77.9

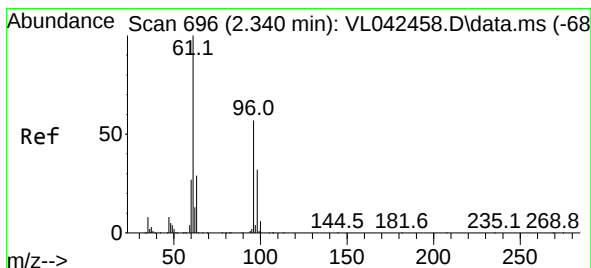
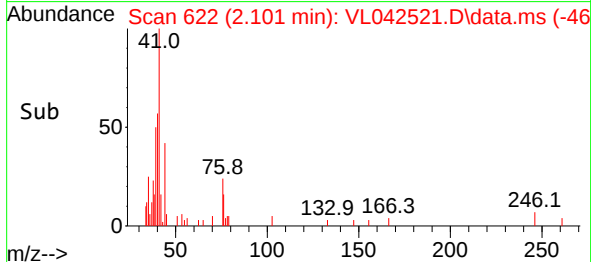
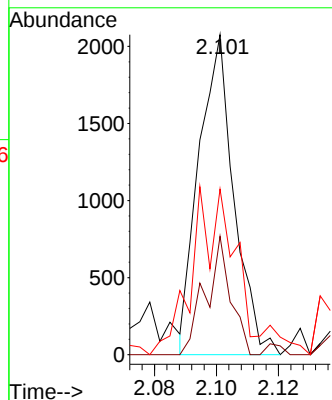
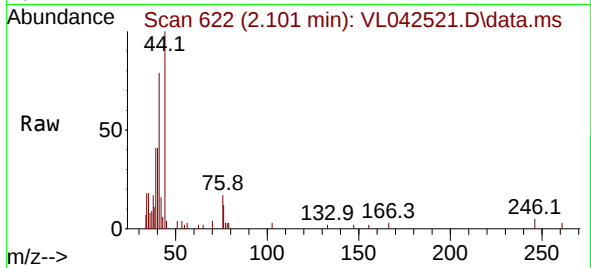




#21
 Allyl Chloride
 Concen: 0.191 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

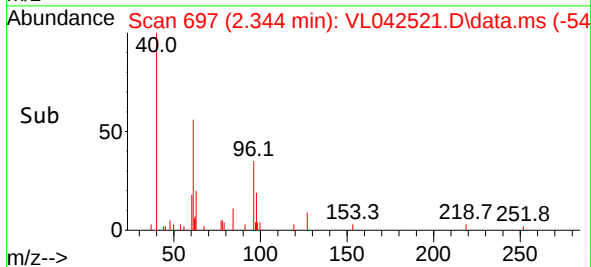
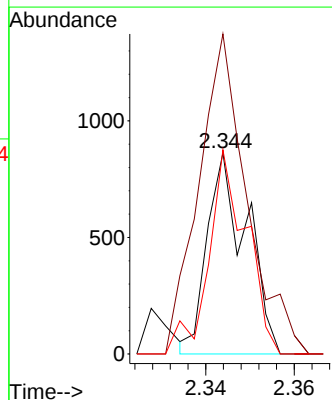
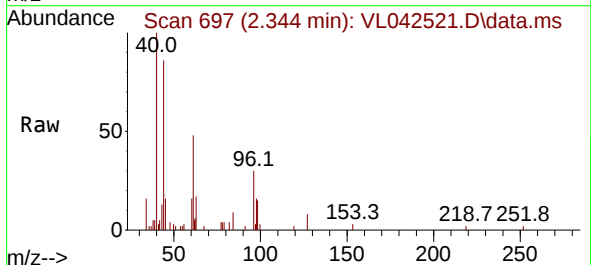
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL1 0.1

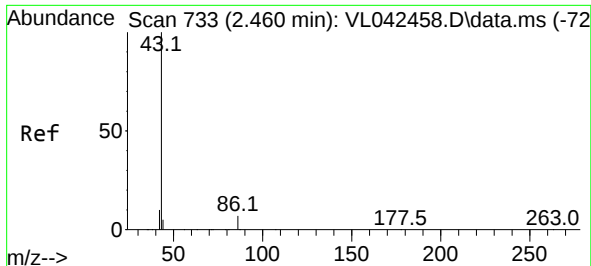
Tgt Ion:	41	Resp:	1630
Ion	Ratio	Lower	Upper
41	100		
76	28.1	19.6	29.4
39	66.7	61.0	91.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.110 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.004 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

Tgt Ion:	96	Resp:	534
Ion	Ratio	Lower	Upper
96	100		
61	129.3	141.8	212.6#
98	101.5	45.0	67.6#

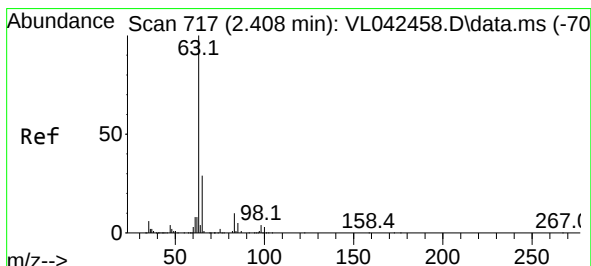
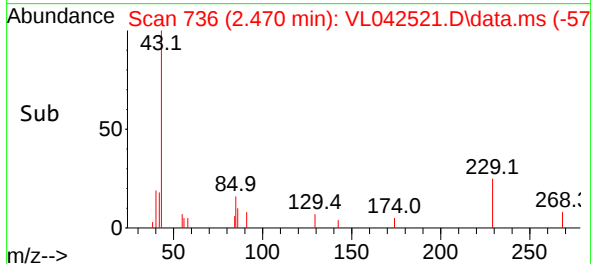
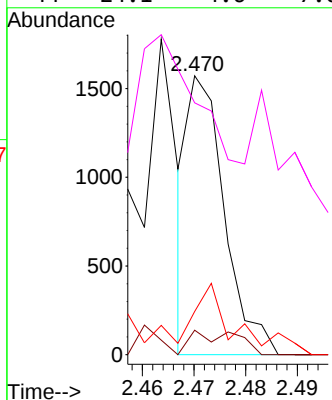
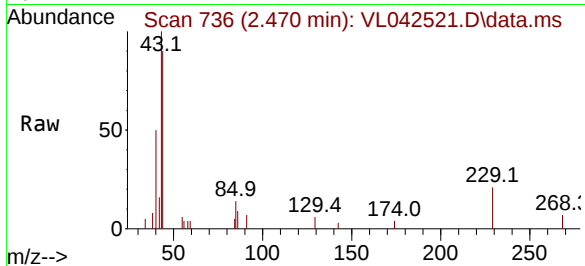




#23
Vinyl Acetate
Concen: 0.061 ppbv
RT: 2.470 min Scan# 718
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

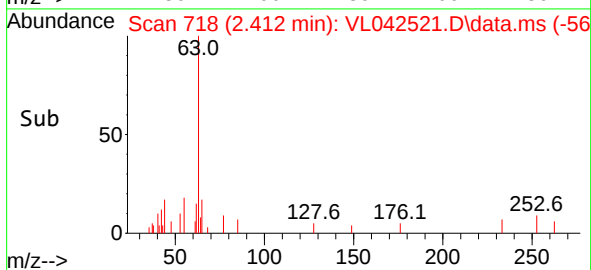
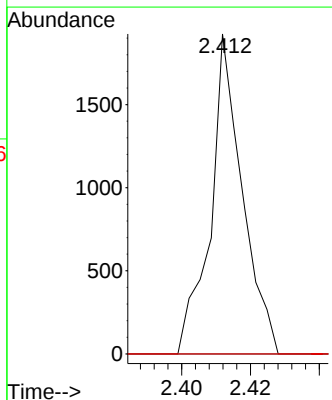
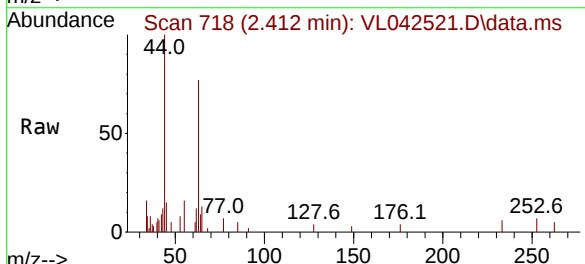
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.1

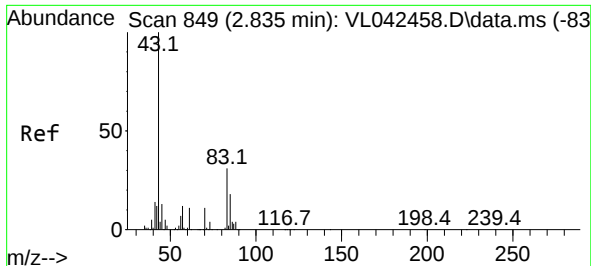
Tgt Ion:	43	Resp:	775
Ion	Ratio	Lower	Upper
43	100		
86	8.8	5.5	8.3#
42	11.5	8.3	12.5
44	24.1	4.6	7.0#



#24
1,1-Dichloroethane
Concen: 0.125 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:	63	Resp:	1234
Ion	Ratio	Lower	Upper
63	100		
98	0.0	1.8	5.5#
100	0.0	1.4	4.2#

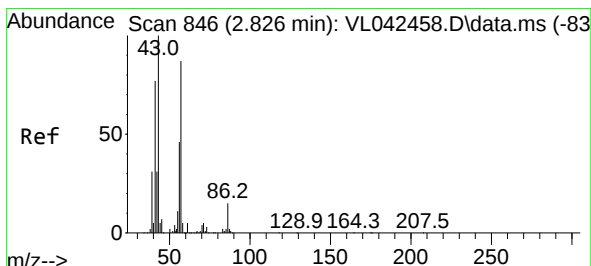
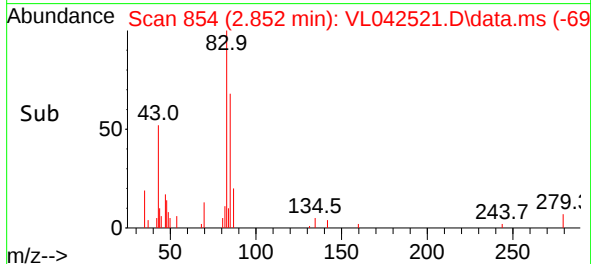
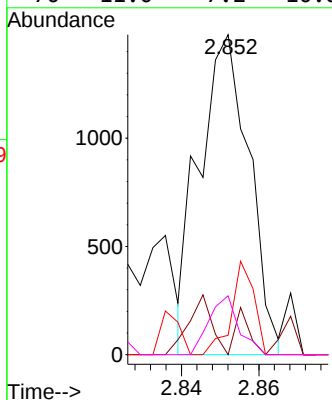
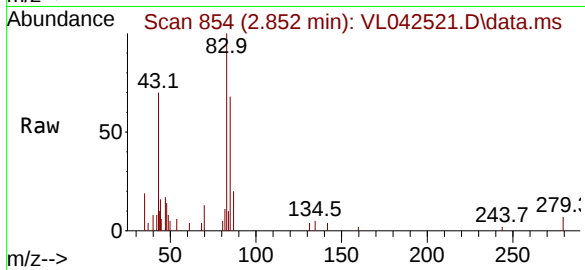




#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 2.852 min Scan# 811
Delta R.T. 0.017 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

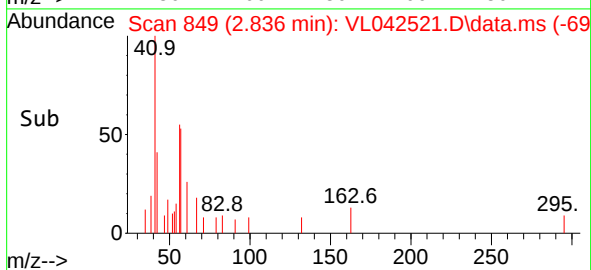
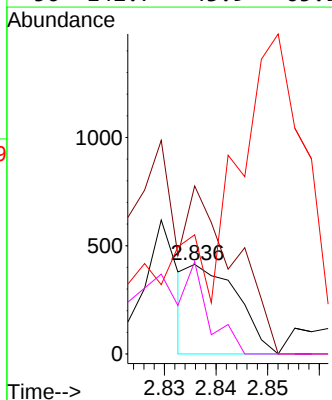
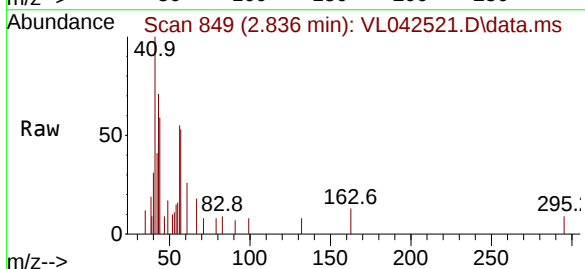
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

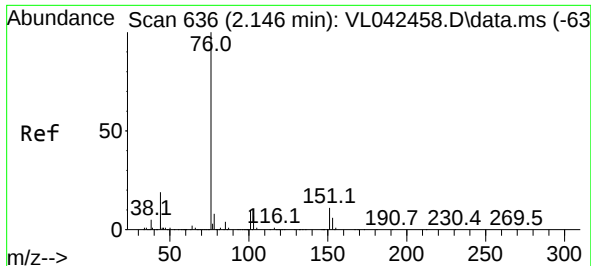
Tgt Ion:	43	Resp:	1325
Ion	Ratio	Lower	Upper
43	100		
45	16.5	7.8	11.6#
61	18.3	7.2	10.8#
70	11.0	7.2	10.8#



#26
Hexane
Concen: 0.030 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:	57	Resp:	274
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.8	116.8#
43	0.0	187.0	280.6#
56	142.7	43.9	65.9#

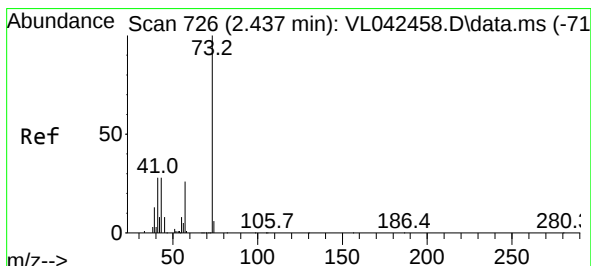
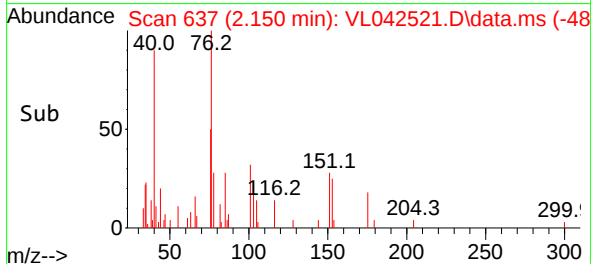
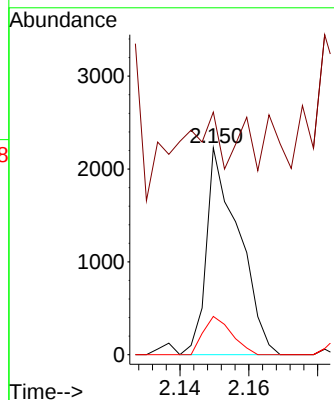
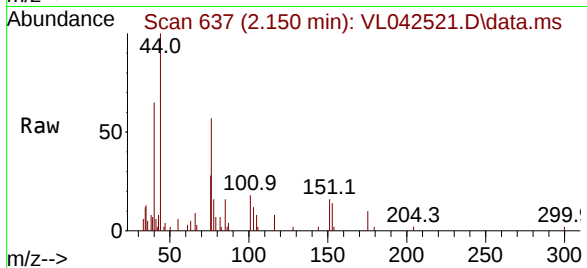




#27
Carbon Disulfide
Concen: 0.135 ppbv
RT: 2.150 min Scan# 611
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

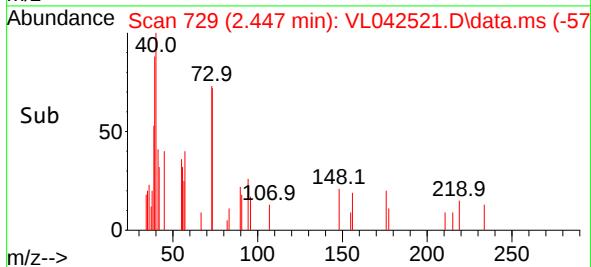
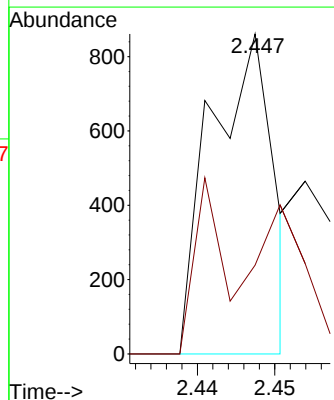
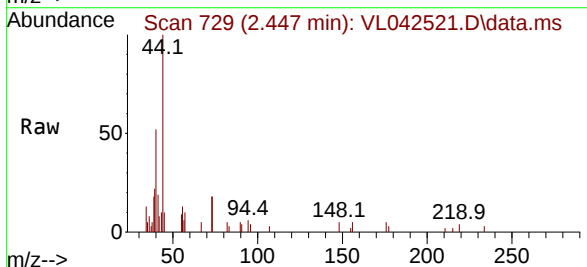
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.1

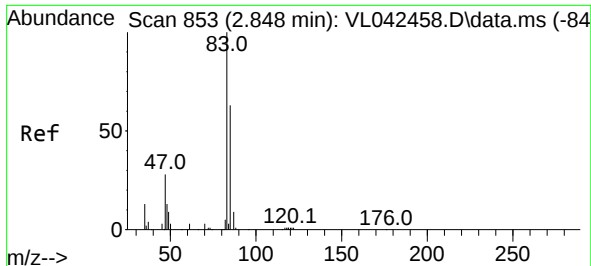
Tgt Ion: 76 Resp: 1462
Ion Ratio Lower Upper
76 100
44 0.0 21.0 31.6#
78 16.1 8.6 13.0#



#28
Methyl tert-Butyl Ether
Concen: 0.087 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 73 Resp: 486
Ion Ratio Lower Upper
73 100
57 62.1 19.9 29.9#





#29

Chloroform

Concen: 0.136 ppbv

RT: 2.852 min Scan# 8

Delta R.T. 0.004 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

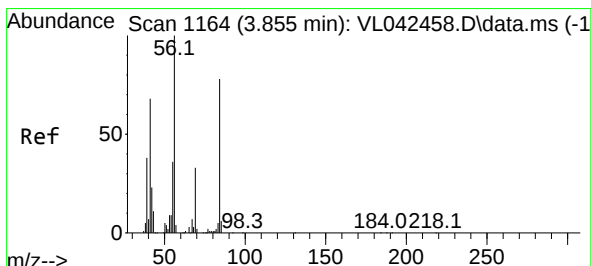
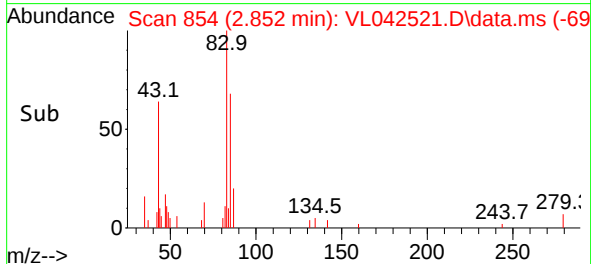
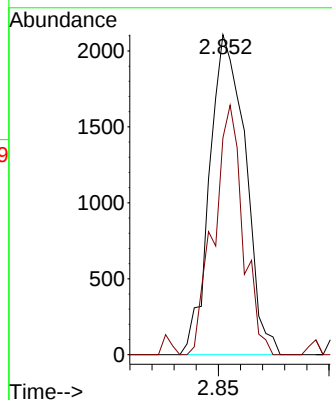
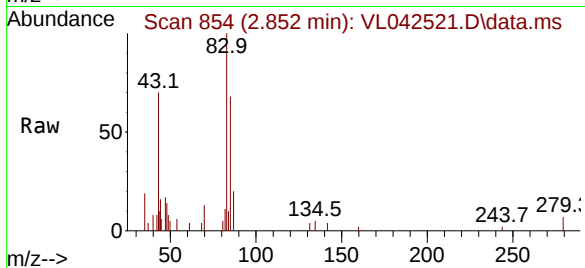
MDL1 0.1

Tgt Ion: 83 Resp: 2361

Ion Ratio Lower Upper

83 100

85 67.8 50.4 75.6



#30

Cyclohexane

Concen: 0.028 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

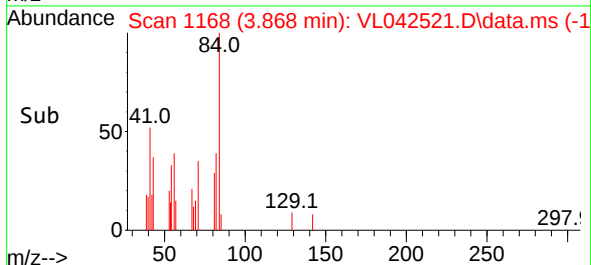
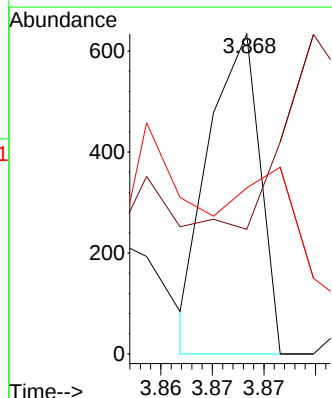
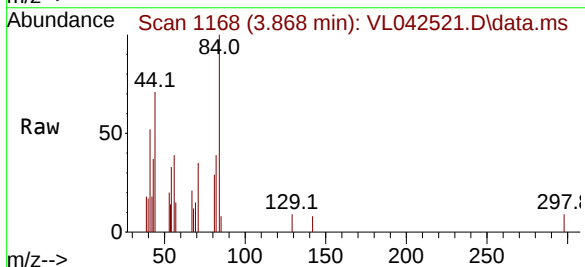
Tgt Ion: 84 Resp: 216

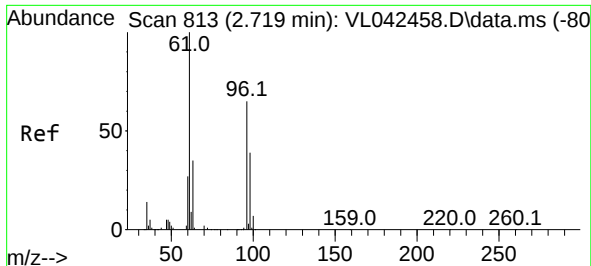
Ion Ratio Lower Upper

84 100

56 393.5 98.1 147.1#

41 0.0 65.8 98.8#

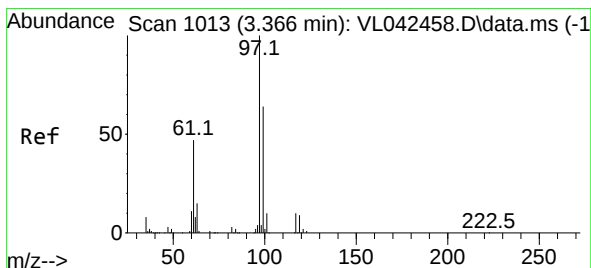
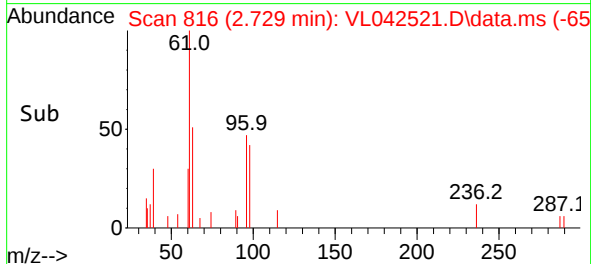
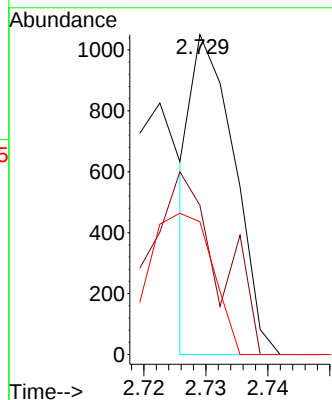
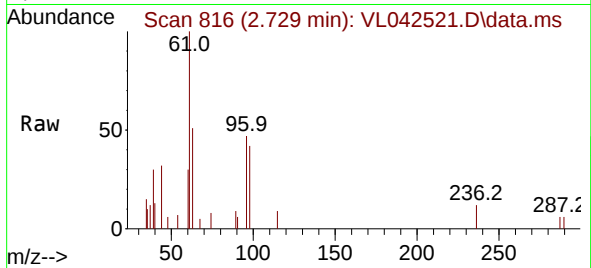




#31
 cis-1,2-Dichloroethene
 Concen: 0.046 ppbv
 RT: 2.729 min Scan# 813
 Delta R.T. 0.010 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

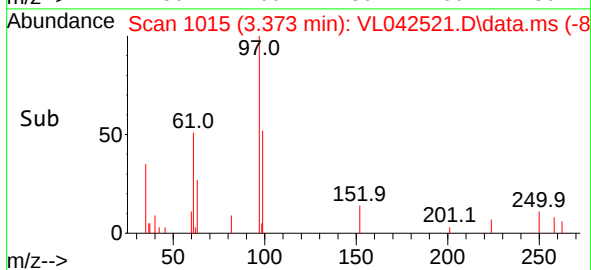
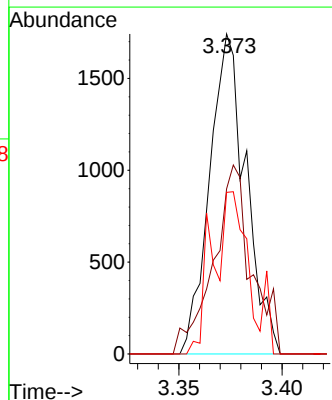
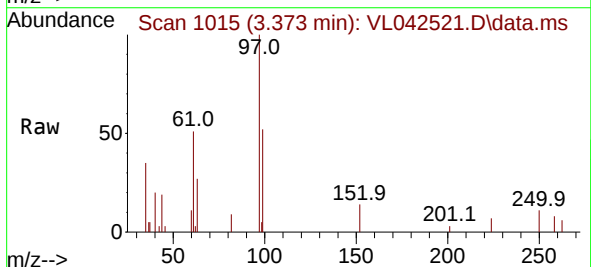
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL1 0.1

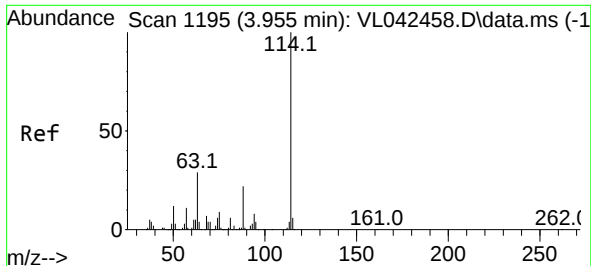
Tgt Ion: 61 Resp: 500
 Ion Ratio Lower Upper
 61 100
 96 46.7 52.0 78.0#
 98 41.5 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 0.113 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.007 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

Tgt Ion: 97 Resp: 2134
 Ion Ratio Lower Upper
 97 100
 99 61.5 50.7 76.1
 61 51.1 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

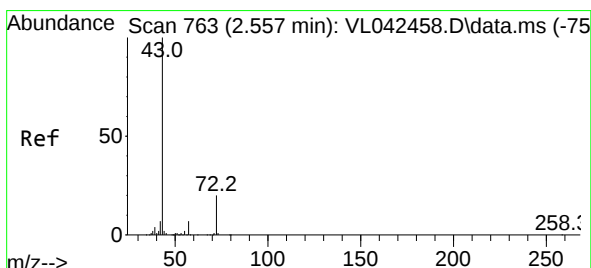
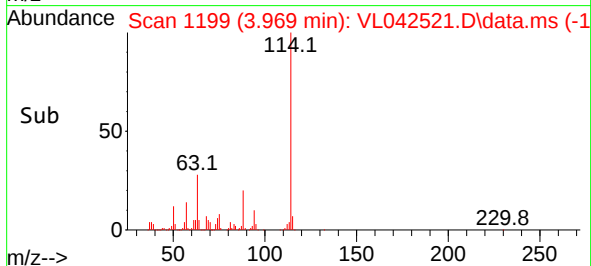
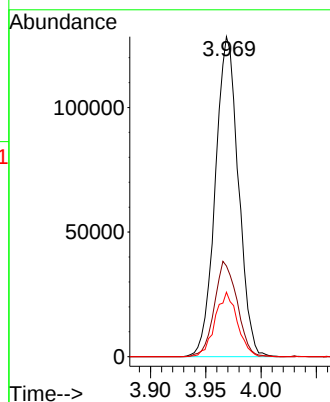
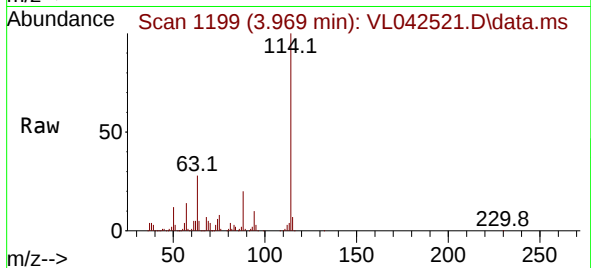
Tgt Ion:114 Resp: 186260

Ion Ratio Lower Upper

114 100

63 29.4 23.1 34.7

88 19.5 16.1 24.1



#34

2-Butanone

Concen: 0.089 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.013 min

Lab File: VL042521.D

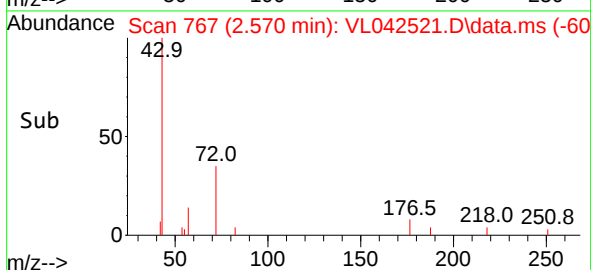
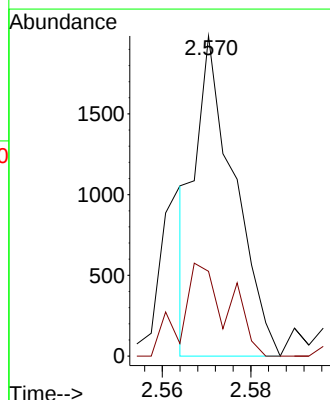
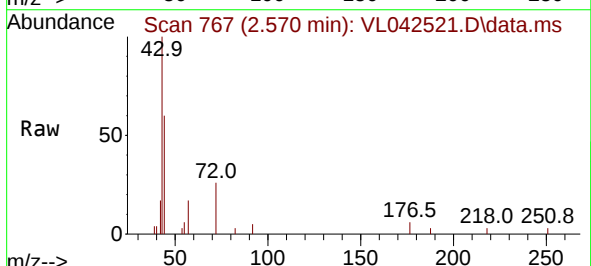
Acq: 07 May 2025 16:49

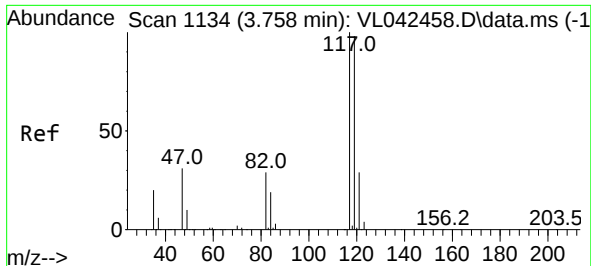
Tgt Ion: 43 Resp: 1201

Ion Ratio Lower Upper

43 100

72 37.6 16.7 25.1#

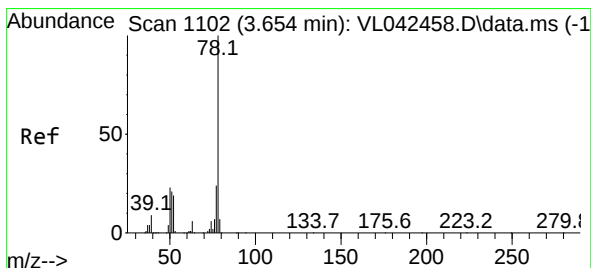
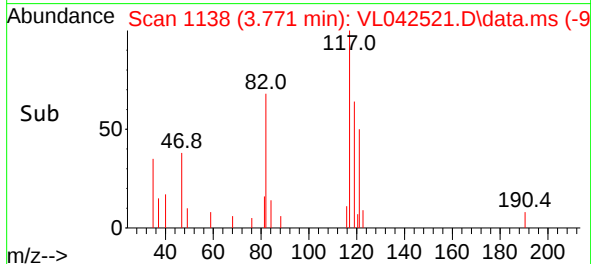
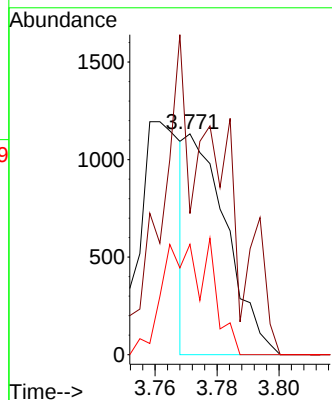
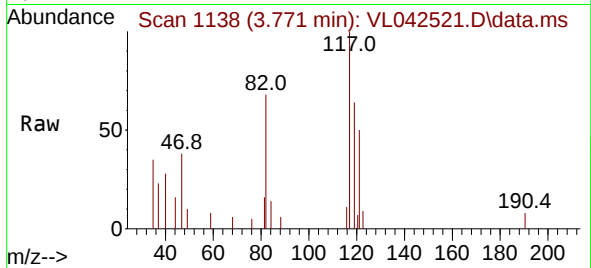




#35
Carbon Tetrachloride
Concen: 0.060 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

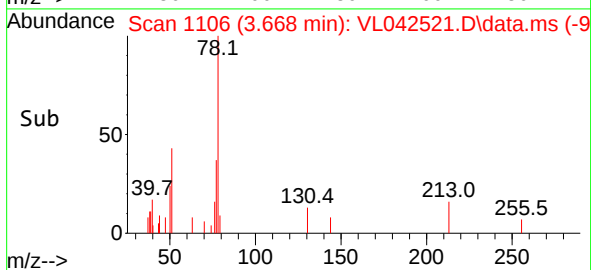
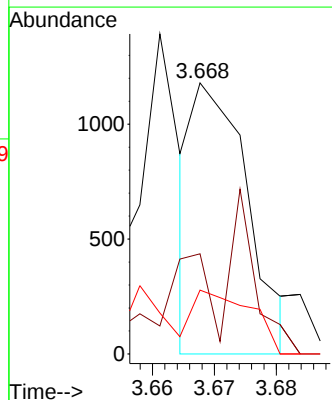
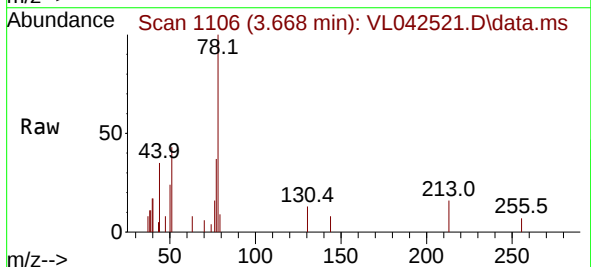
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.1

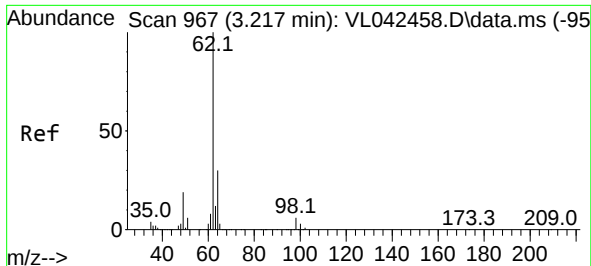
Tgt Ion:117 Resp: 1019
Ion Ratio Lower Upper
117 100
119 63.9 78.1 117.1#
121 50.0 23.0 34.6#



#36
Benzene
Concen: 0.042 ppbv
RT: 3.668 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 78 Resp: 733
Ion Ratio Lower Upper
78 100
77 6.1 18.9 28.3#
50 29.9 18.4 27.6#

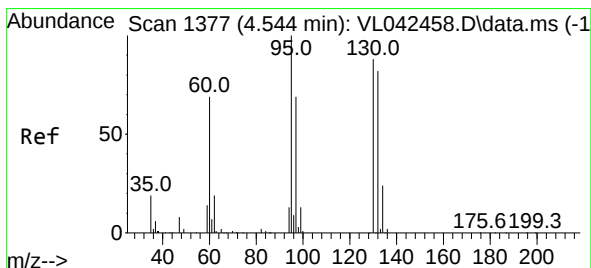
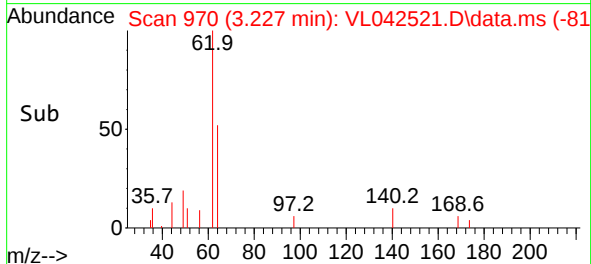
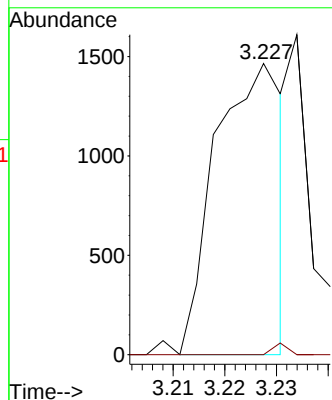
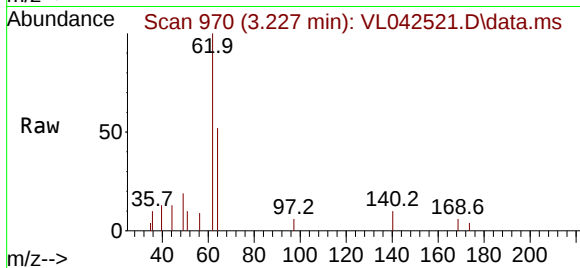




#37
1,2-Dichloroethane
Concen: 0.097 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

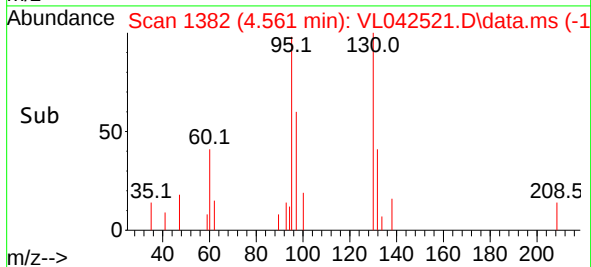
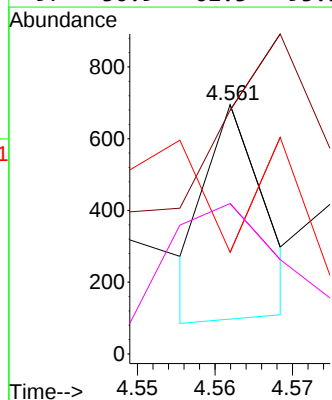
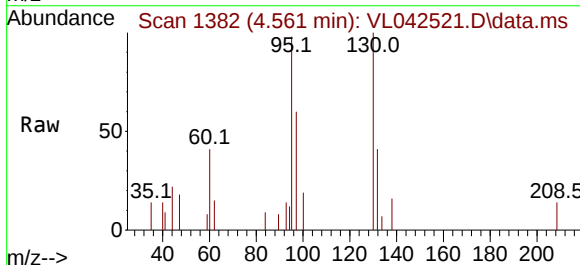
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

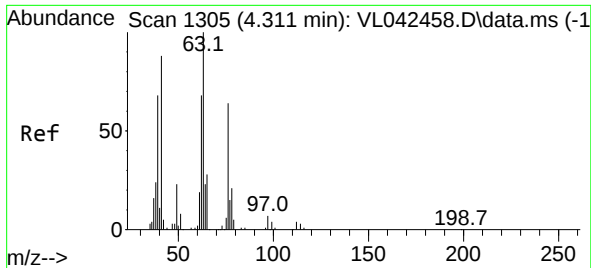
Tgt Ion: 62 Resp: 1314
Ion Ratio Lower Upper
62 100
98 0.0 4.3 6.5#



#38
Trichloroethene
Concen: 0.023 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.017 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:130 Resp: 155
Ion Ratio Lower Upper
130 100
95 64.5 91.0 136.4#
132 0.0 74.2 111.4#
97 36.9 62.3 93.5#





#39

1,2-Dichloropropane

Concen: 8.322 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

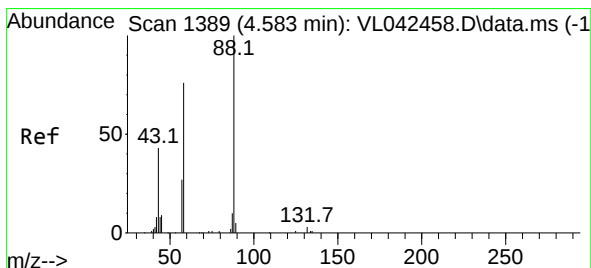
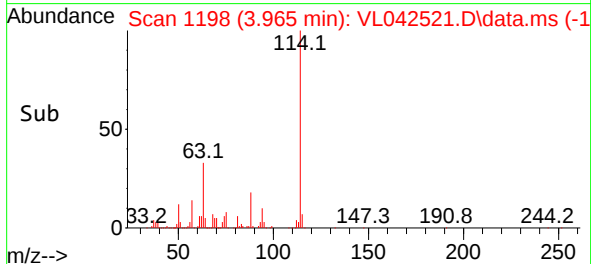
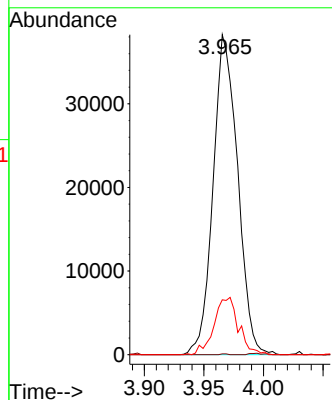
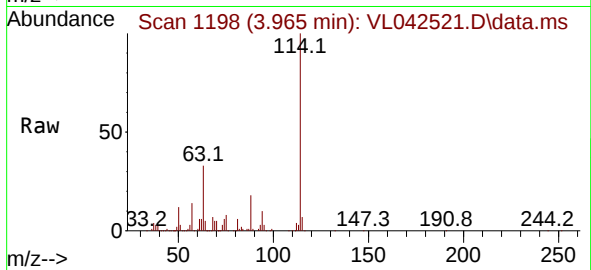
Tgt Ion: 63 Resp: 54762

Ion Ratio Lower Upper

63 100

41 0.2 69.8 104.6#

62 17.1 54.3 81.5#



#40

1,4-Dioxane

Concen: 0.010 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.023 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Tgt Ion: 88 Resp: 30

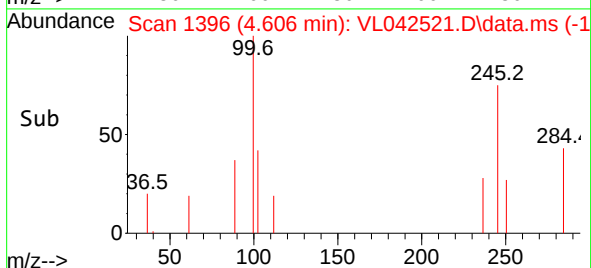
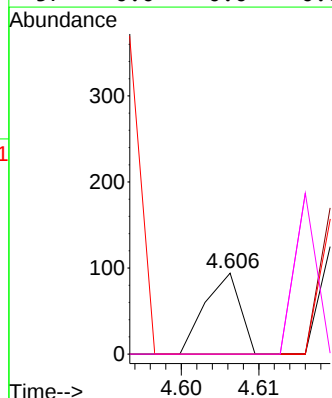
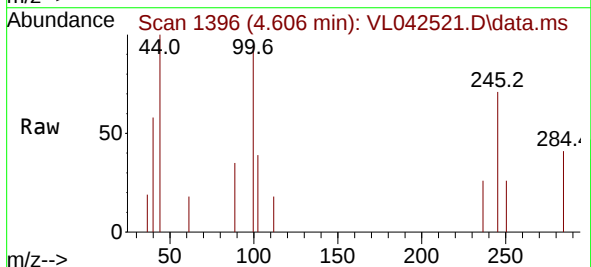
Ion Ratio Lower Upper

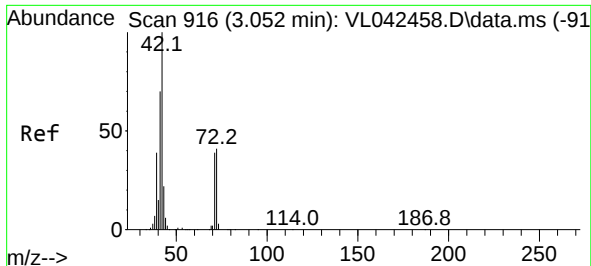
88 100

58 0.0 0.0 0.0

43 436.7 0.0 0.0#

57 0.0 0.0 0.0

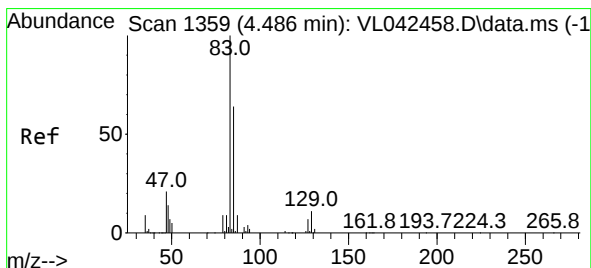
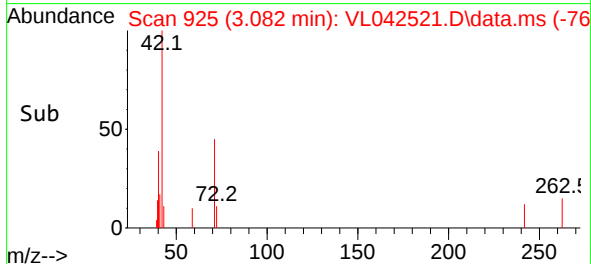
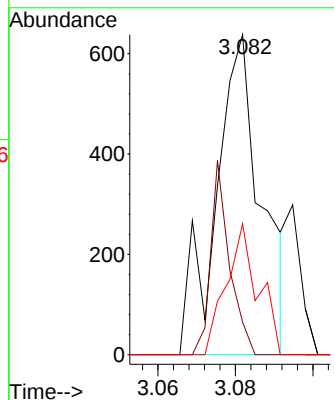
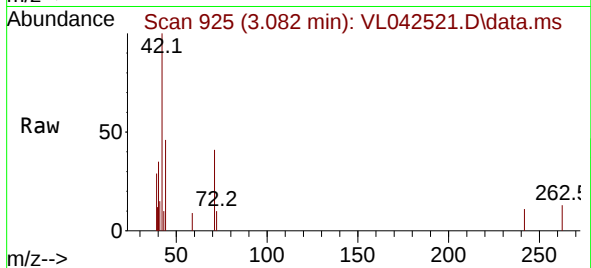




#41
Tetrahydrofuran
Concen: 0.082 ppbv
RT: 3.082 min Scan# 916
Delta R.T. 0.030 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

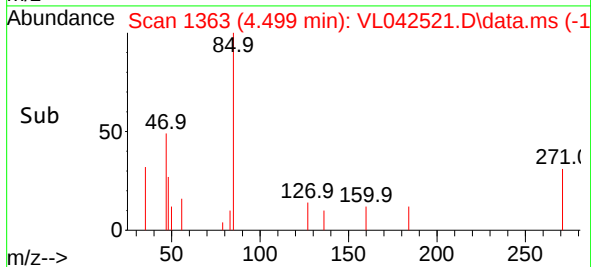
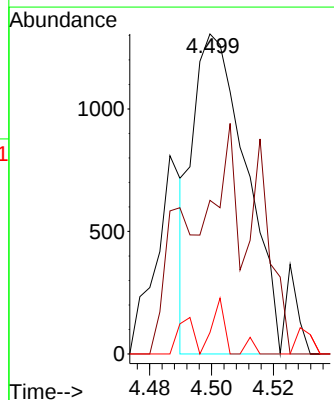
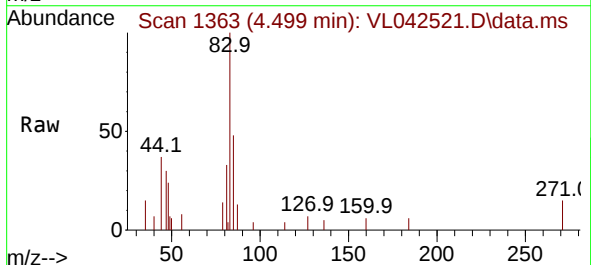
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

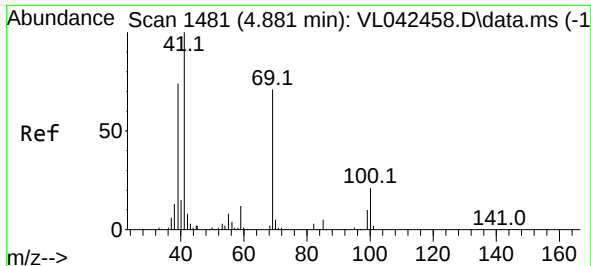
Tgt Ion: 42 Resp: 522
Ion Ratio Lower Upper
42 100
72 37.2 33.5 50.3
71 28.7 32.6 49.0#



#42
Bromodichloromethane
Concen: 0.094 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 83 Resp: 1561
Ion Ratio Lower Upper
83 100
85 24.0 51.5 77.3#
127 6.7 5.4 8.2

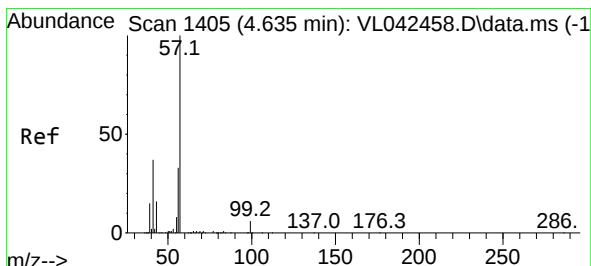
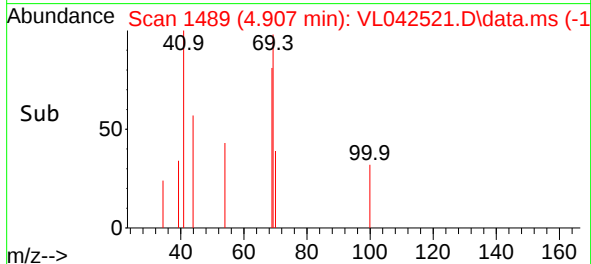
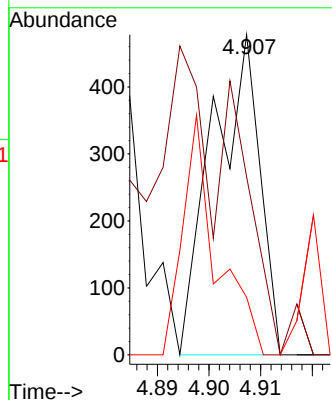
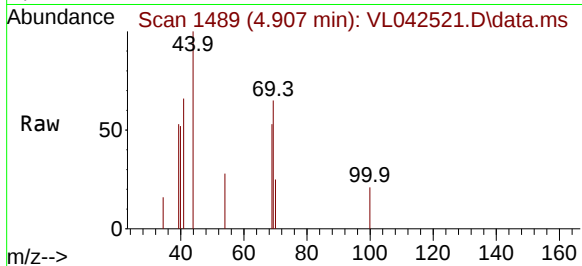




#43
Methyl Methacrylate
Concen: 0.046 ppbv
RT: 4.907 min Scan# 1489
Delta R.T. 0.026 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

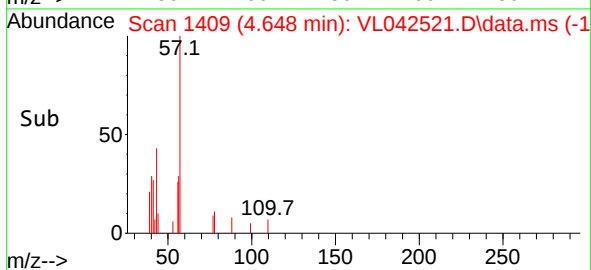
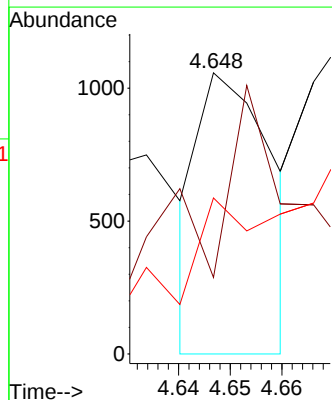
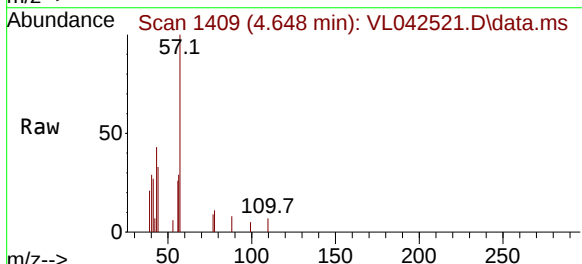
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

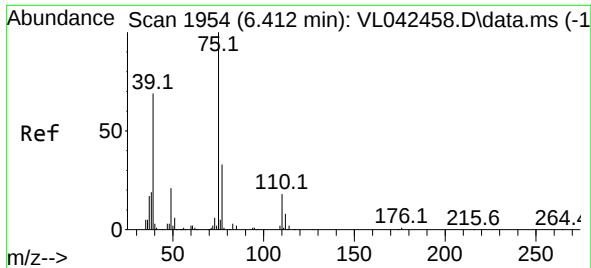
Tgt Ion: 69 Resp: 304
Ion Ratio Lower Upper
69 100
41 193.1 120.8 181.2#
100 69.7 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.018 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 57 Resp: 523
Ion Ratio Lower Upper
57 100
41 227.7 30.6 45.8#
56 0.0 25.0 37.6#

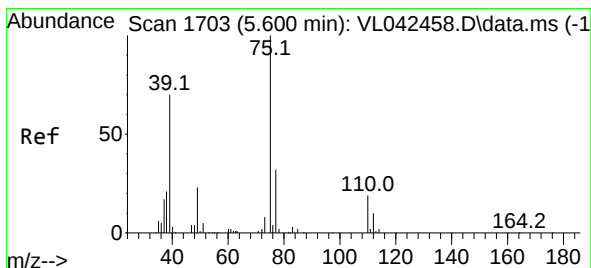
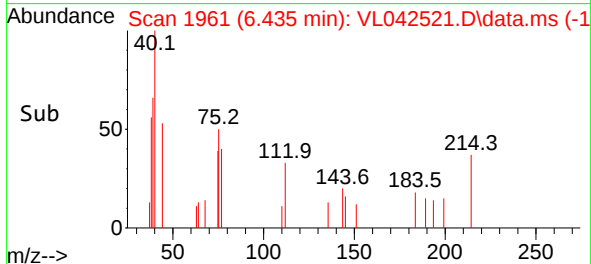
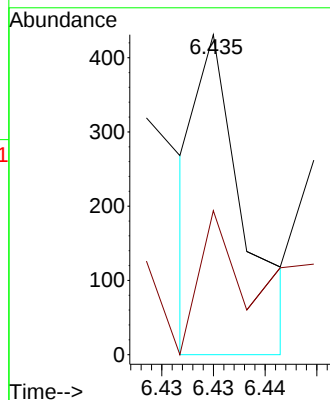
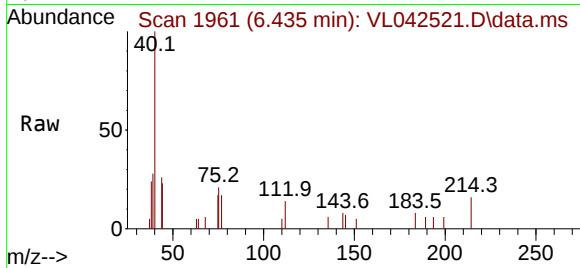




#45
 t-1,3-Dichloropropene
 Concen: 0.015 ppbv
 RT: 6.435 min Scan# 1954
 Delta R.T. 0.023 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

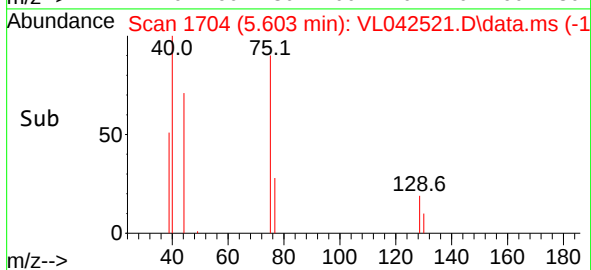
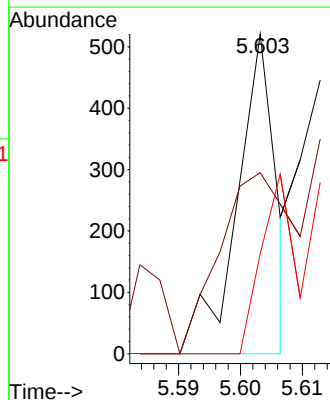
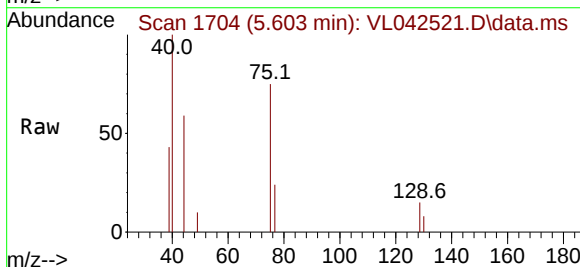
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.1

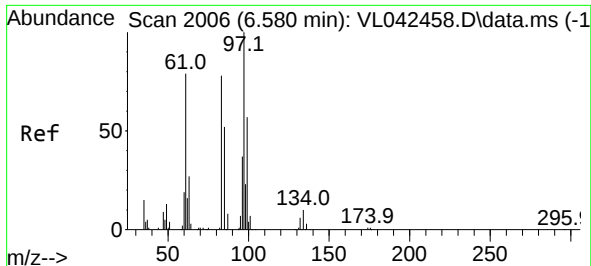
Tgt Ion: 75 Resp: 133
 Ion Ratio Lower Upper
 75 100
 77 45.0 26.3 39.5#



#46
 cis-1,3-Dichloropropene
 Concen: 0.022 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. 0.004 min
 Lab File: VL042521.D
 Acq: 07 May 2025 16:49

Tgt Ion: 75 Resp: 228
 Ion Ratio Lower Upper
 75 100
 39 56.6 55.7 83.5
 77 31.3 25.8 38.8

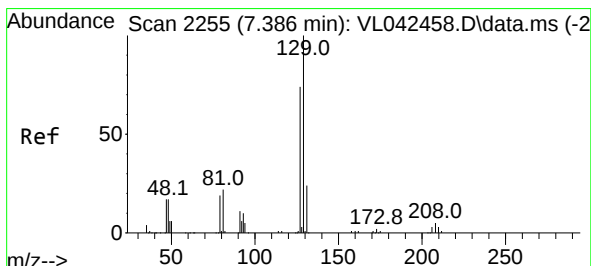
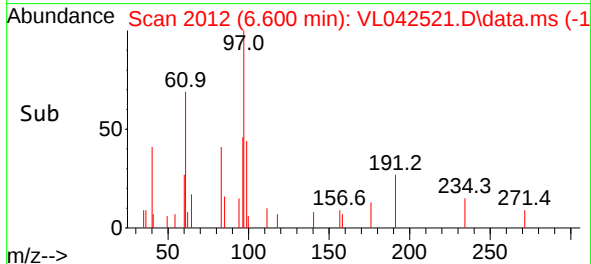
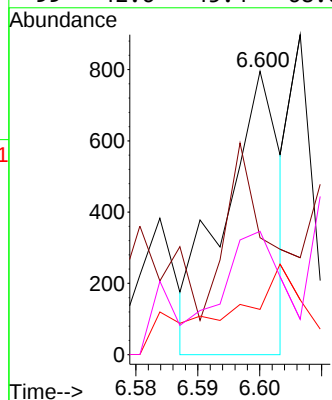
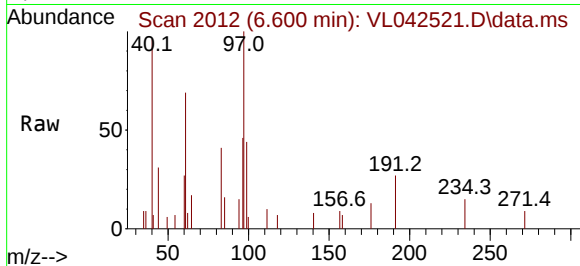




#47
1,1,2-Trichloroethane
Concen: 0.069 ppbv
RT: 6.600 min Scan# 2006
Delta R.T. 0.020 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

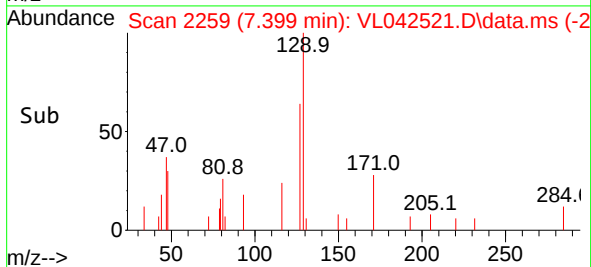
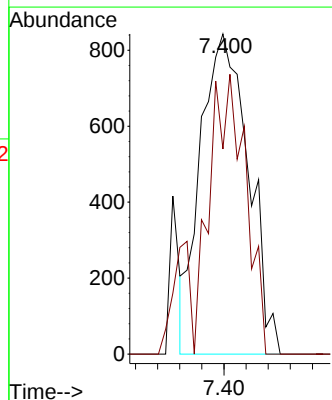
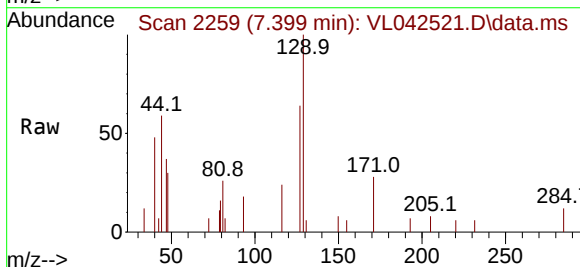
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.1

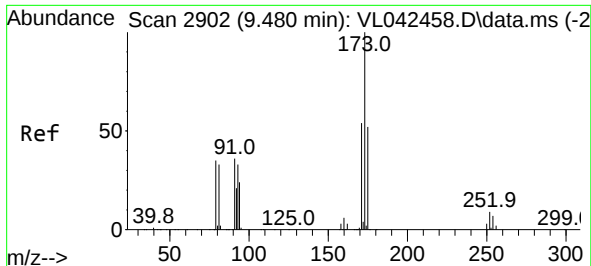
Tgt Ion:	97	Resp:	499
Ion	Ratio	Lower	Upper
97	100		
83	5.2	62.2	93.2#
85	6.3	41.5	62.3#
99	42.6	45.4	68.0#



#48
Dibromochloromethane
Concen: 0.104 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:	129	Resp:	1272
Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.5	118.5





#49

Bromoform

Concen: 0.011 ppbv

RT: 9.507 min Scan# 2902

Delta R.T. 0.026 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

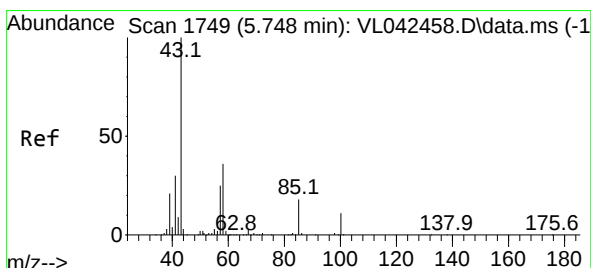
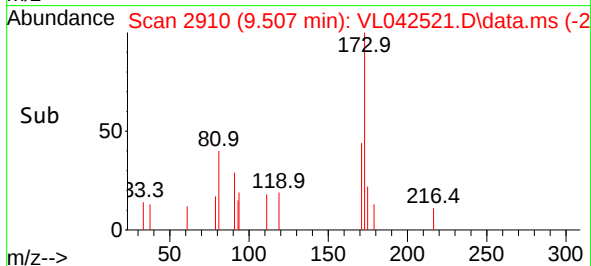
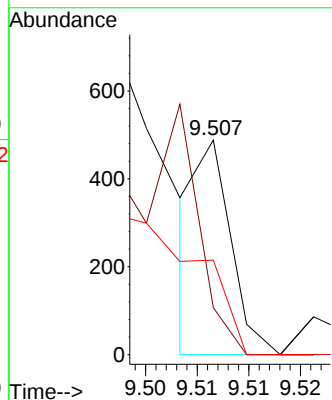
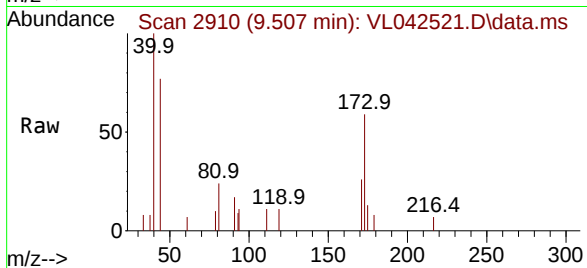
Tgt Ion:173 Resp: 108

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

171 0.0 40.6 60.8#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 5.768 min Scan# 1755

Delta R.T. 0.020 min

Lab File: VL042521.D

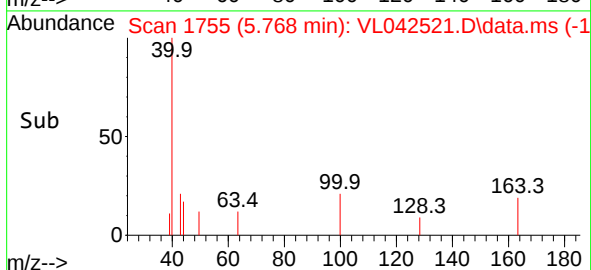
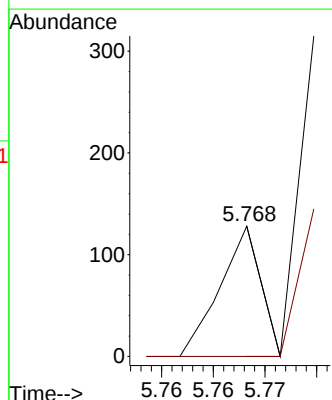
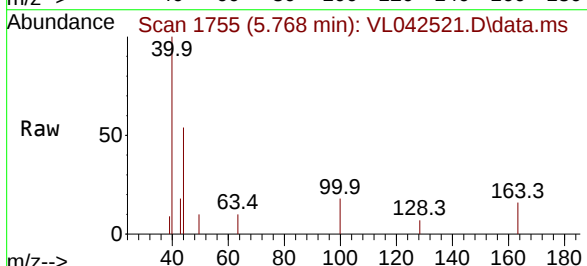
Acq: 07 May 2025 16:49

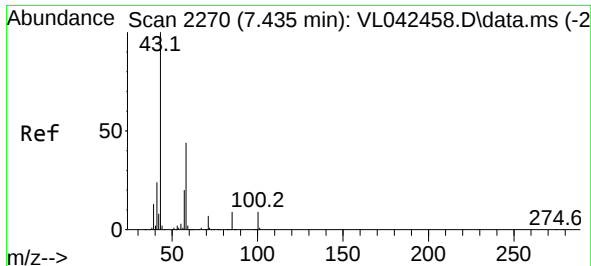
Tgt Ion: 43 Resp: 35

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#

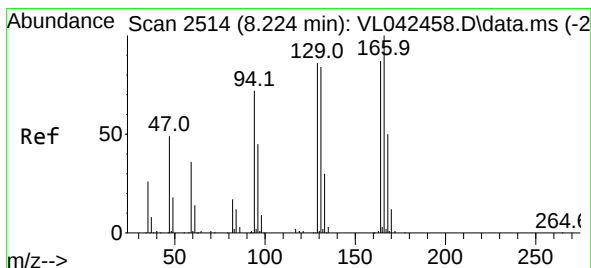
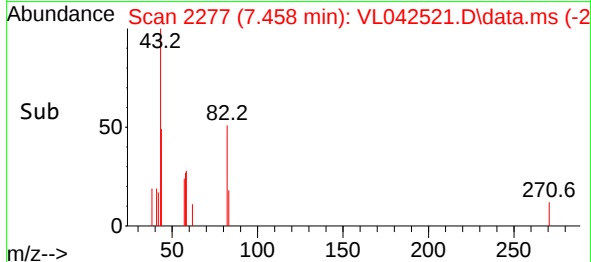
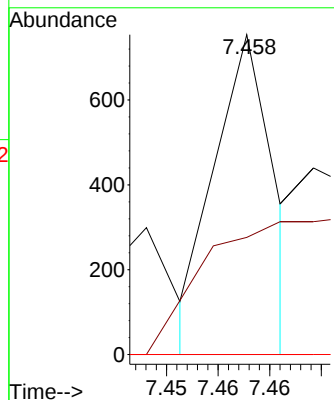
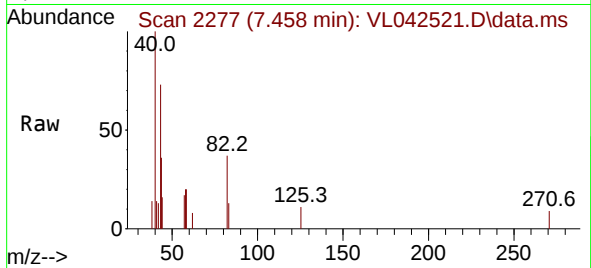




#51
2-Hexanone
Concen: 0.022 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

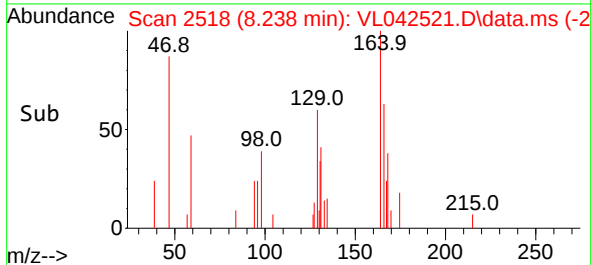
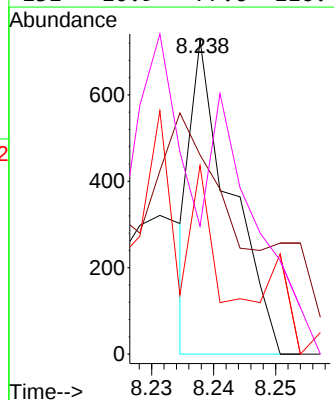
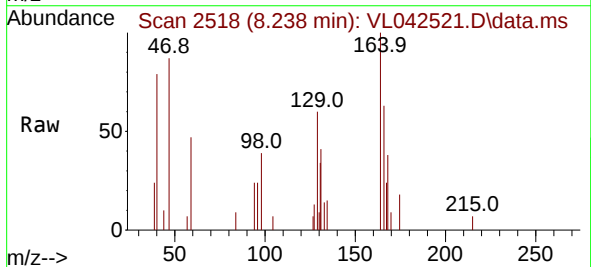
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

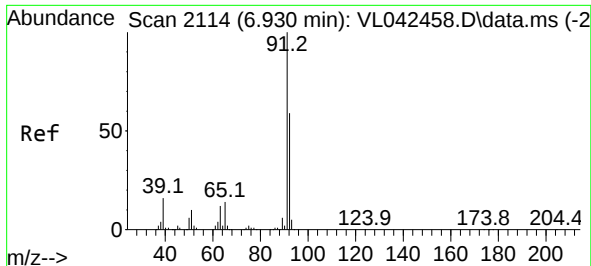
Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.047 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 164 Resp: 316
Ion Ratio Lower Upper
164 100
166 28.1 91.6 137.4#
129 41.1 79.0 118.4#
131 10.9 77.6 116.4#

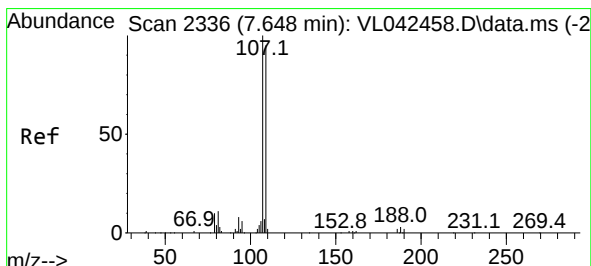
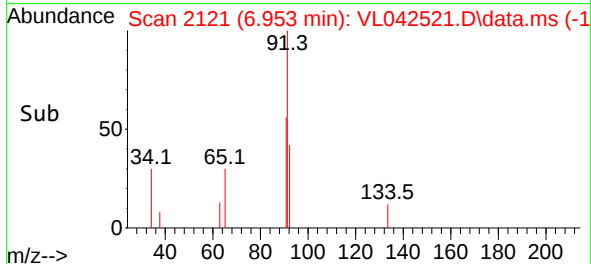
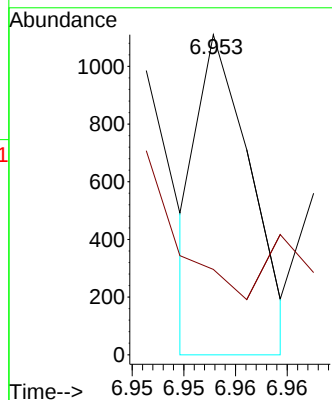
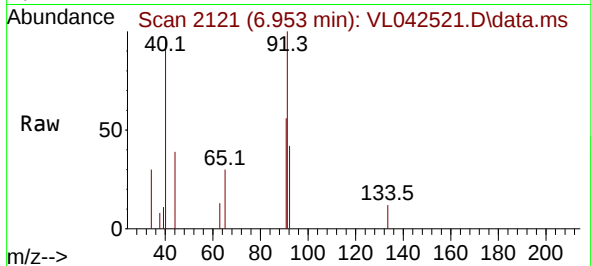




#53
Toluene
Concen: 0.021 ppbv
RT: 6.953 min Scan# 2114
Delta R.T. 0.023 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

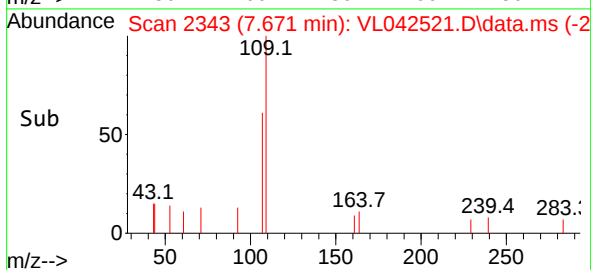
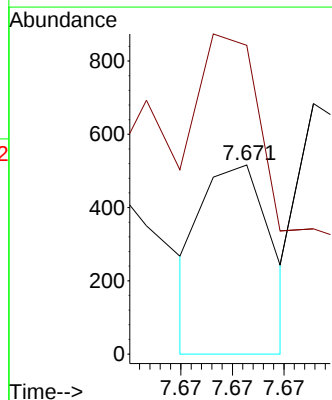
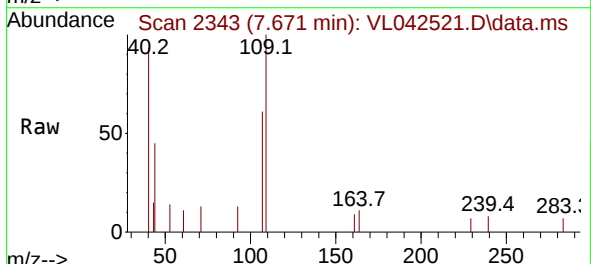
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

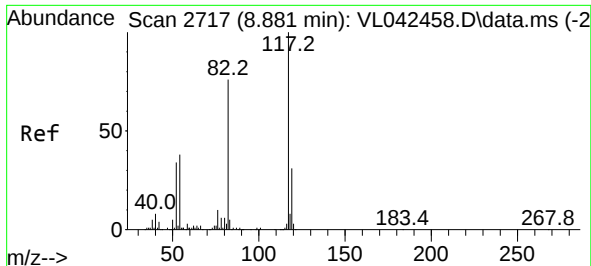
Tgt Ion: 91 Resp: 391
Ion Ratio Lower Upper
91 100
92 0.0 47.9 71.9#



#54
1,2-Dibromoethane
Concen: 0.022 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.023 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 107 Resp: 241
Ion Ratio Lower Upper
107 100
109 185.7 76.0 114.0#

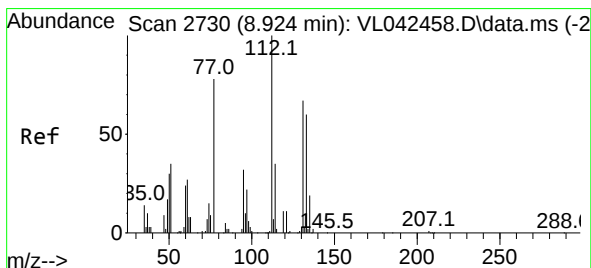
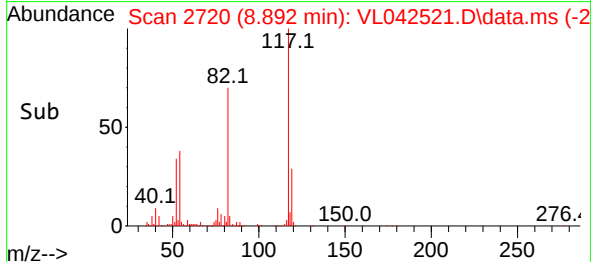
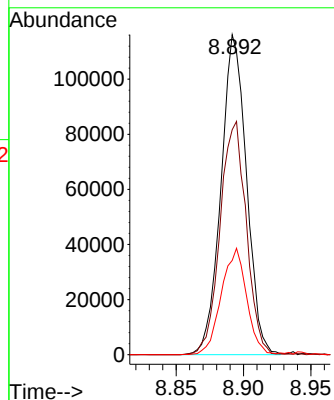
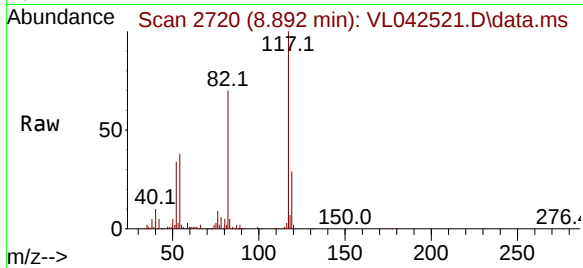




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

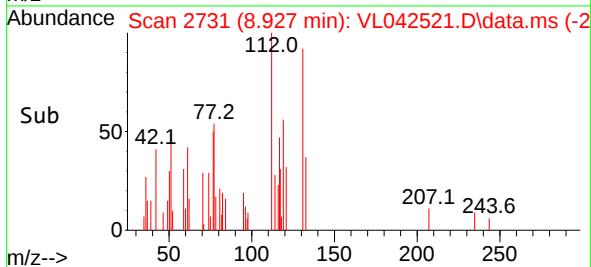
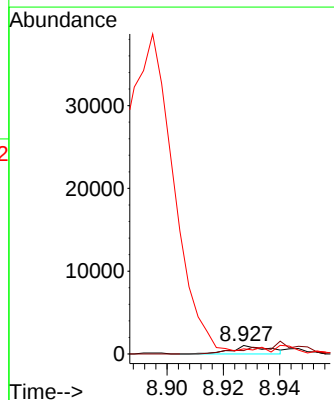
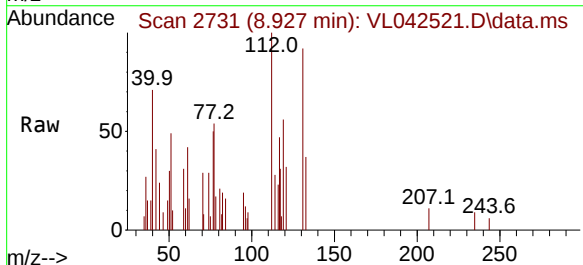
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

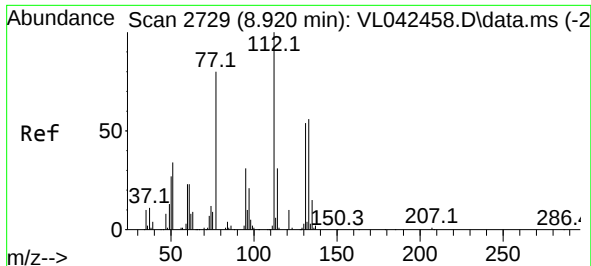
Tgt Ion:117 Resp: 153339
Ion Ratio Lower Upper
117 100
82 75.0 63.5 95.3
119 33.6 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.099 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:131 Resp: 899
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 46.1 69.1#





#57

Chlorobenzene

Concen: 0.069 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_1

ClientSampleId :

MDL1 0.1

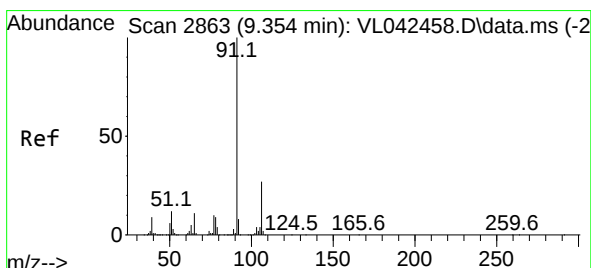
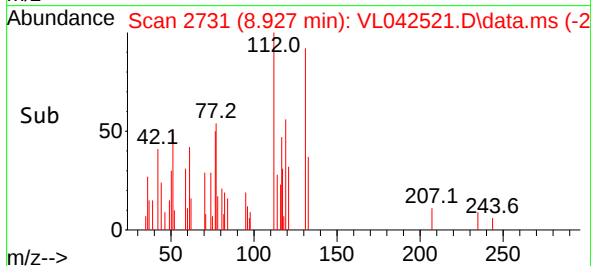
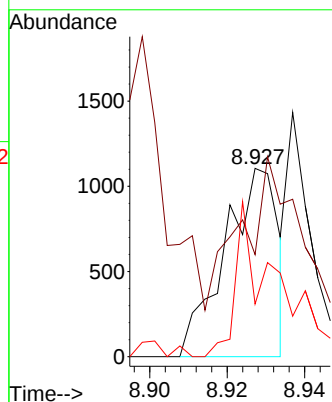
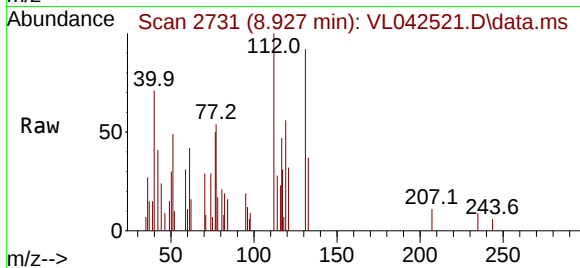
Tgt Ion:112 Resp: 1059

Ion Ratio Lower Upper

112 100

77 0.0 65.0 97.4#

114 22.3 27.5 33.7#



#58

Ethyl Benzene

Concen: 0.037 ppbv

RT: 9.536 min Scan# 2919

Delta R.T. 0.182 min

Lab File: VL042521.D

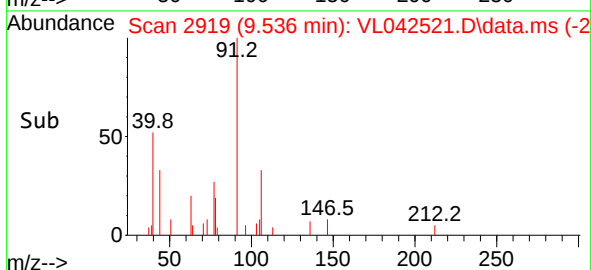
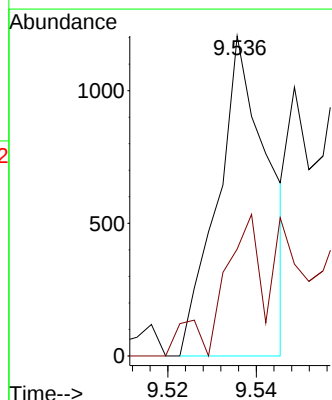
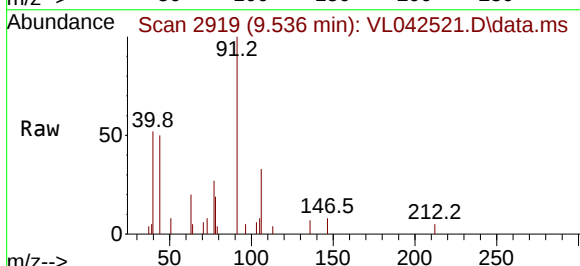
Acq: 07 May 2025 16:49

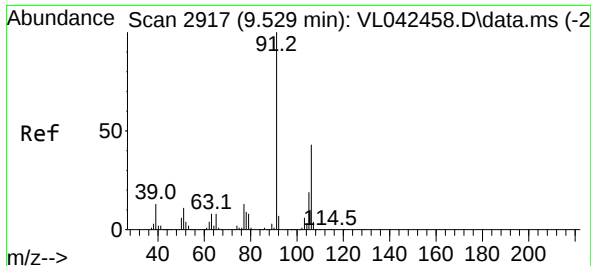
Tgt Ion: 91 Resp: 950

Ion Ratio Lower Upper

91 100

106 23.3 21.9 32.9





#59

m/p-Xylene

Concen: 0.044 ppbv

RT: 9.536 min Scan# 2917

Delta R.T. 0.007 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_1

ClientSampleId :

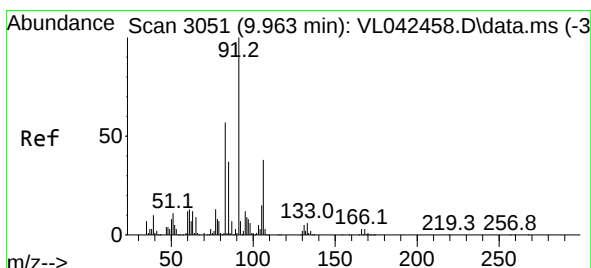
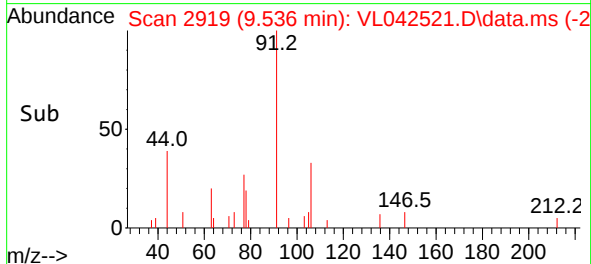
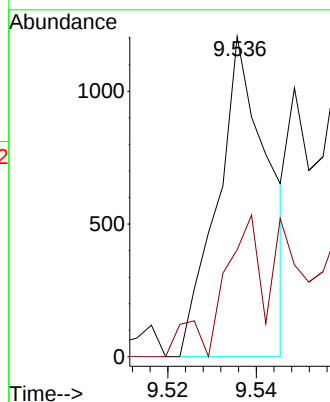
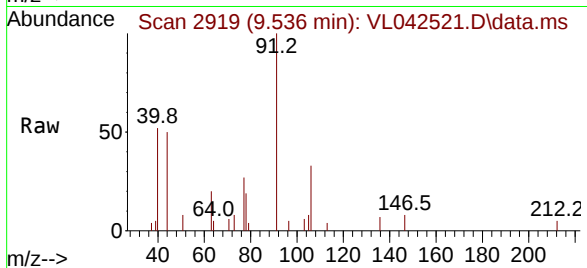
MDL1 0.1

Tgt Ion: 91 Resp: 950

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 0.010 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042521.D

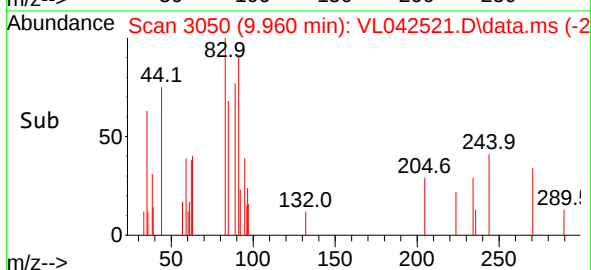
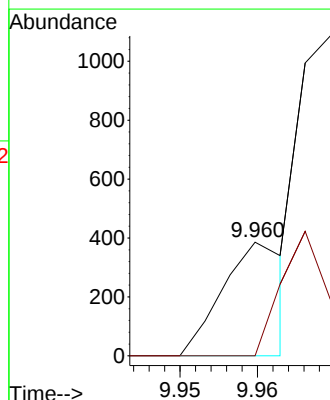
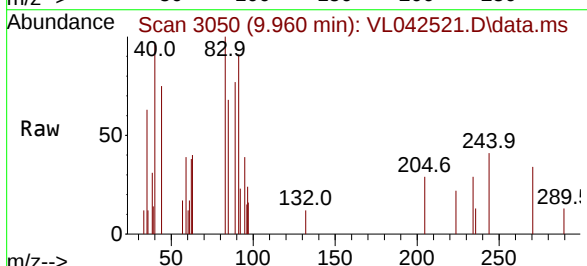
Acq: 07 May 2025 16:49

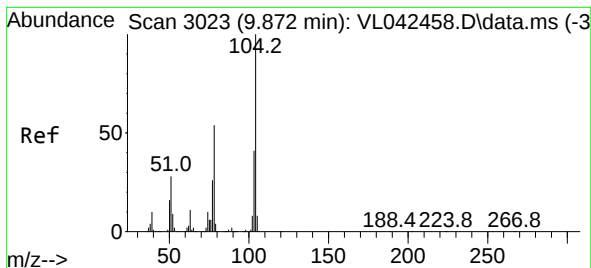
Tgt Ion: 91 Resp: 217

Ion Ratio Lower Upper

91 100

106 32.3 20.1 60.2





#61

Styrene

Concen: 0.041 ppbv

RT: 9.885 min Scan# 3023

Delta R.T. 0.013 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

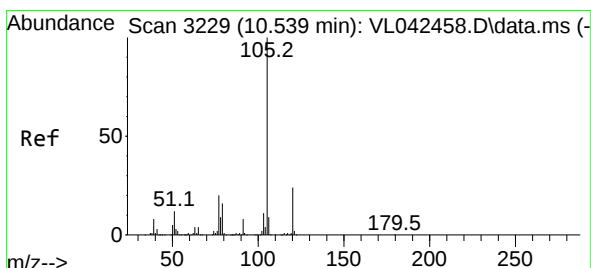
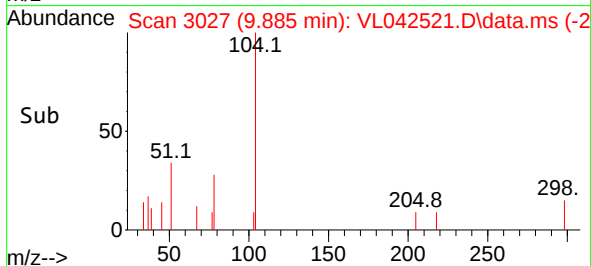
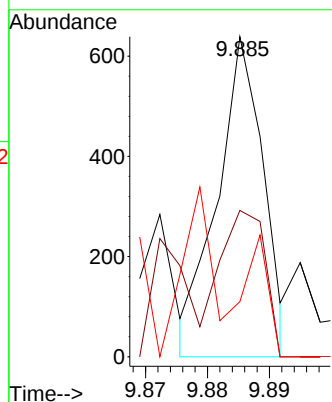
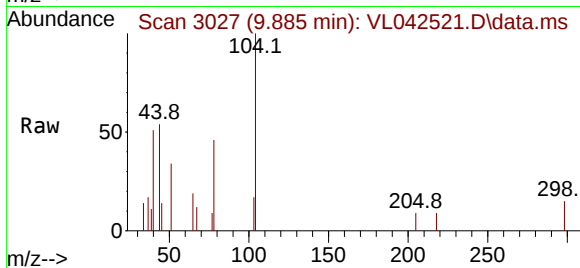
Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

Tgt Ion:104	Resp:	330
Ion	Ratio	Lower Upper
104	100	
78	72.4	46.9 70.3#
103	87.0	36.6 55.0#



#62

Isopropylbenzene

Concen: 0.041 ppbv

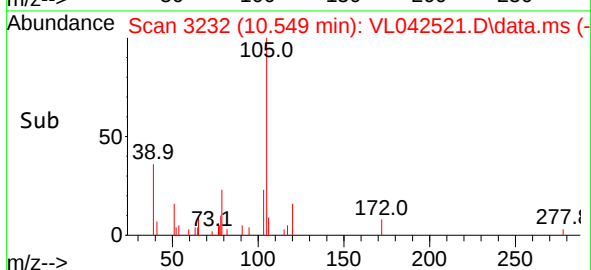
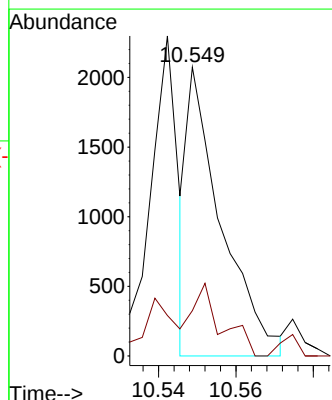
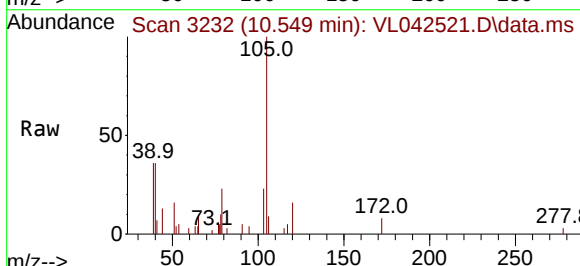
RT: 10.549 min Scan# 3232

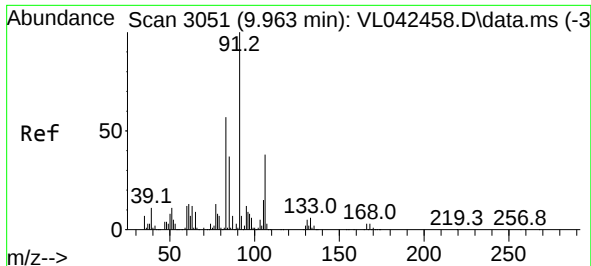
Delta R.T. 0.010 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Tgt Ion:105	Resp:	1271
Ion	Ratio	Lower Upper
105	100	
120	42.7	18.8 28.2#





#63

1,1,2-Tetrachloroethane

Concen: 0.118 ppbv

RT: 9.979 min Scan# 3051

Delta R.T. 0.017 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

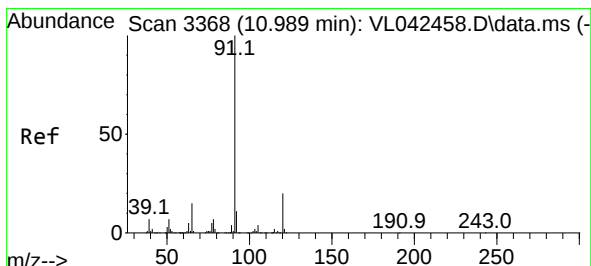
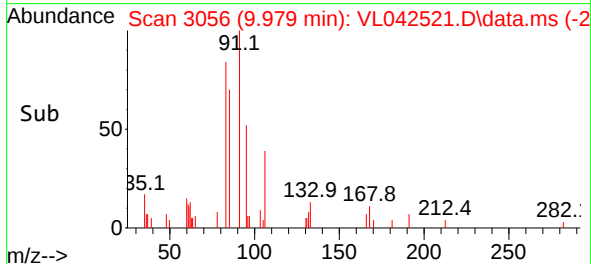
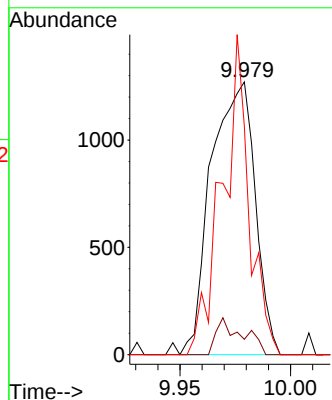
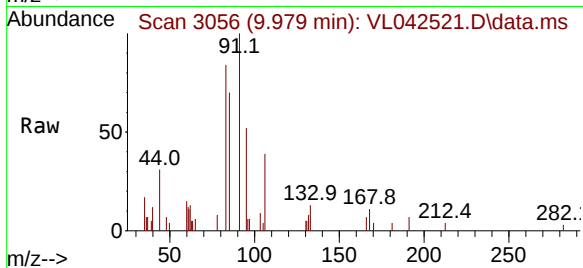
Tgt Ion: 83 Resp: 1753

Ion Ratio Lower Upper

83 100

131 8.0 4.7 14.1

85 72.0 32.5 97.4



#64

n-propylbenzene

Concen: 0.036 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. 0.013 min

Lab File: VL042521.D

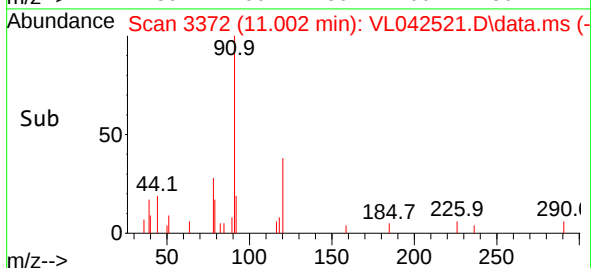
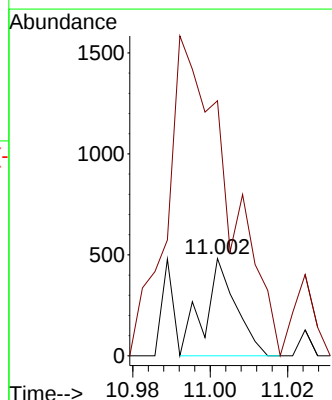
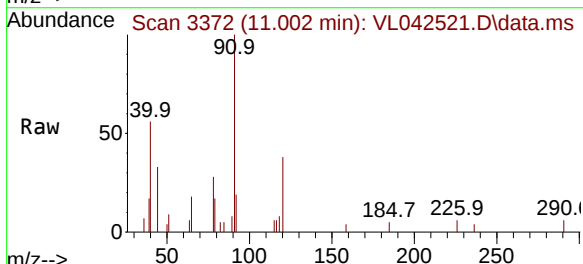
Acq: 07 May 2025 16:49

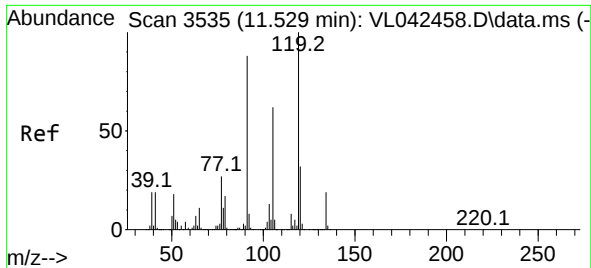
Tgt Ion: 120 Resp: 273

Ion Ratio Lower Upper

120 100

91 0.0 408.6 612.8#

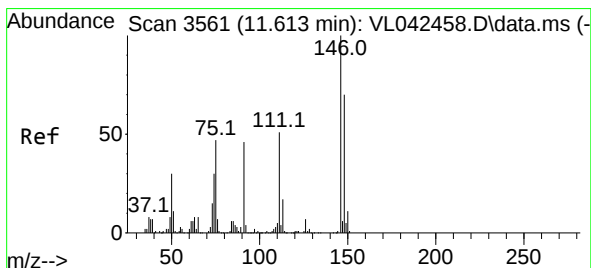
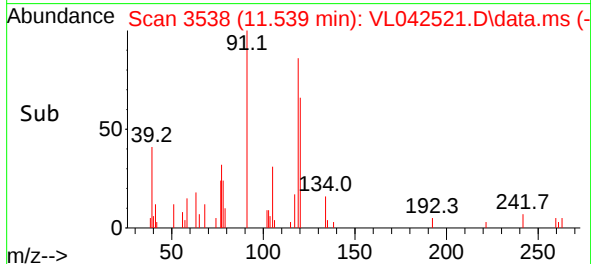
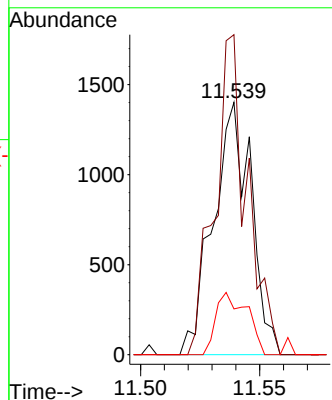
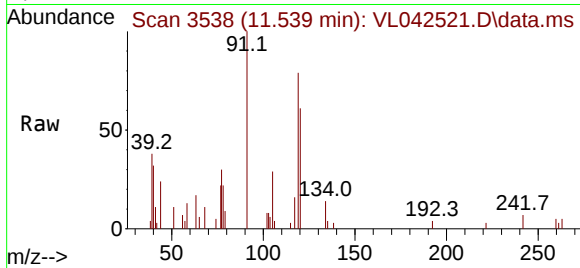




#65
tert-Butylbenzene
Concen: 0.056 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

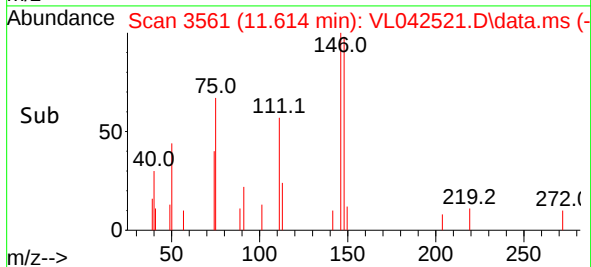
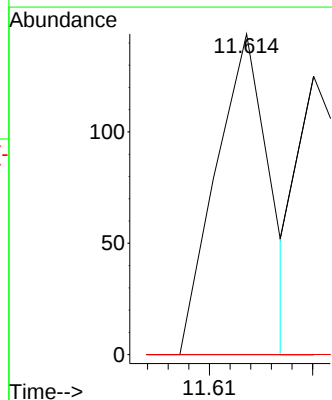
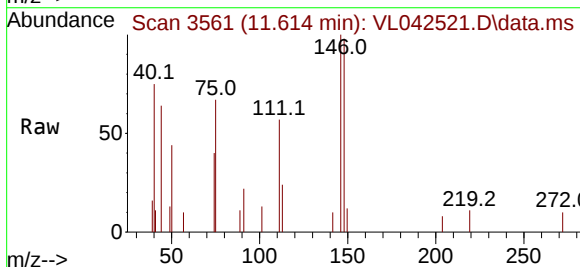
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

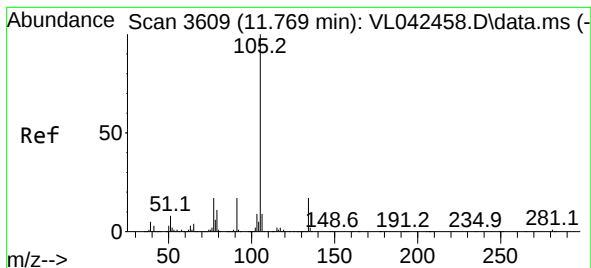
Tgt Ion:119 Resp: 1552
Ion Ratio Lower Upper
119 100
91 107.7 71.6 107.4#
134 21.3 15.0 22.4



#66
Benzyl Chloride
Concen: 0.017 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
126 0.0 13.3 19.9#
128 0.0 4.2 6.4#





#67

sec-Butylbenzene

Concen: 0.051 ppbv

RT: 11.772 min Scan# 3

Delta R.T. 0.004 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_1

ClientSampleId :

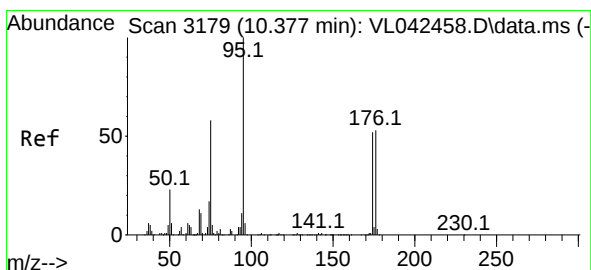
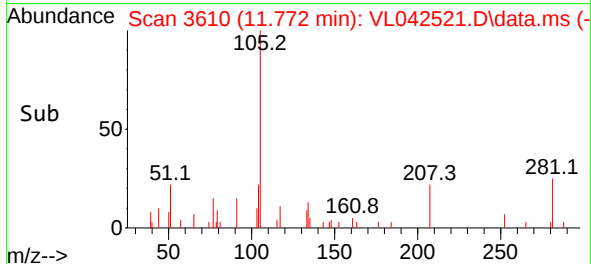
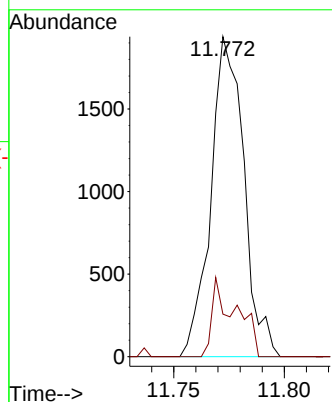
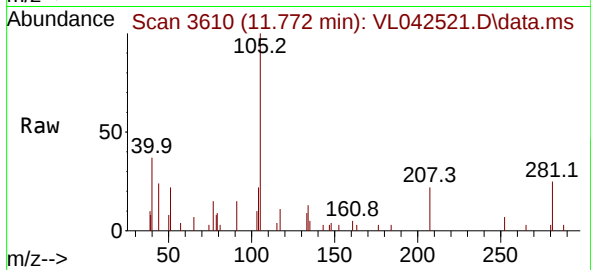
MDL1 0.1

Tgt Ion:105 Resp: 2014

Ion Ratio Lower Upper

105 100

134 17.9 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.736 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.010 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

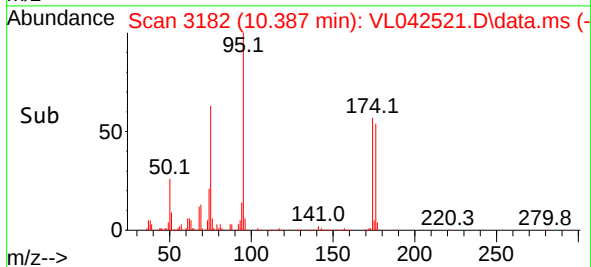
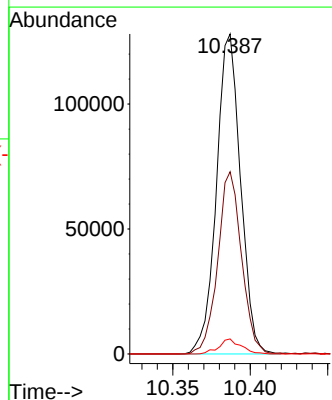
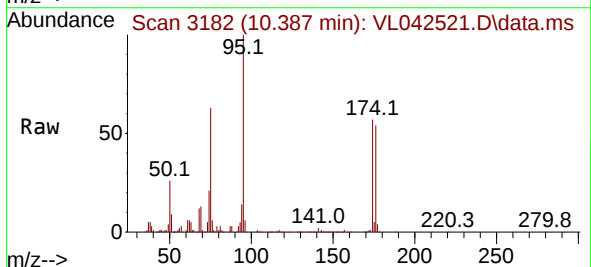
Tgt Ion: 95 Resp: 138418

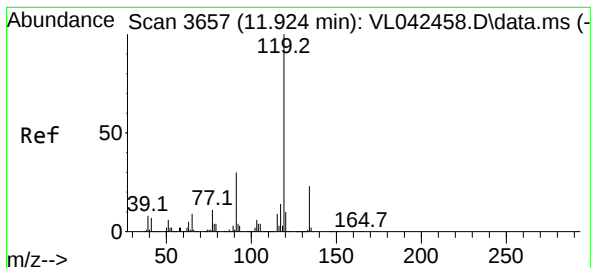
Ion Ratio Lower Upper

95 100

174 56.3 42.7 64.1

175 4.3 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.024 ppbv

RT: 11.937 min Scan# 3

Delta R.T. 0.013 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

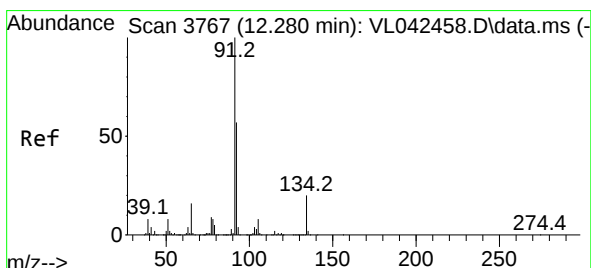
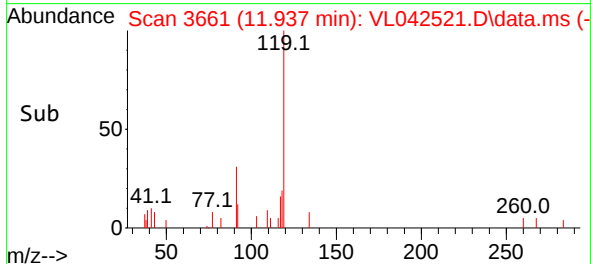
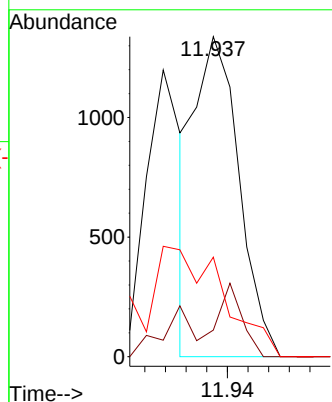
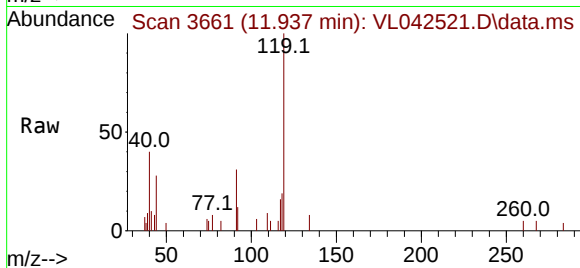
Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

Tgt Ion:	119	Resp:	800
Ion	Ratio	Lower	Upper
119	100		
134	23.5	19.0	28.4
91	0.0	25.5	38.3#



#70

n-Butylbenzene

Concen: 0.047 ppbv

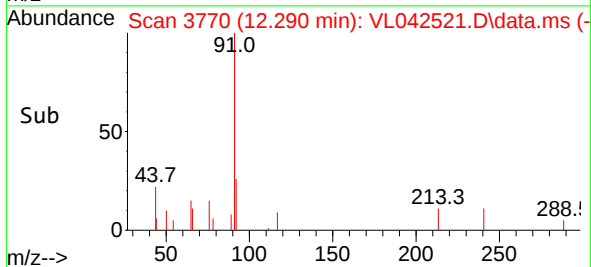
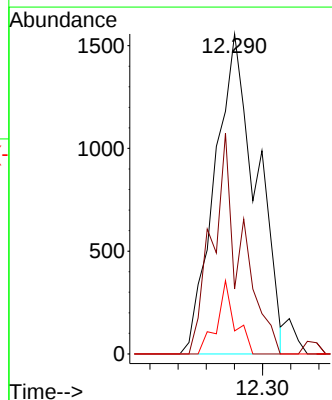
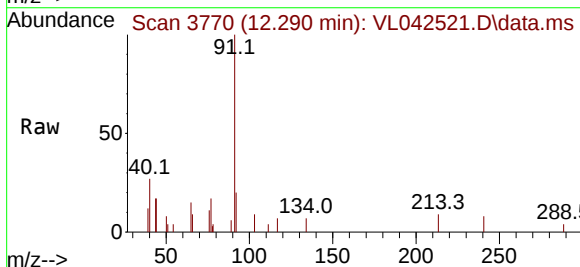
RT: 12.290 min Scan# 3770

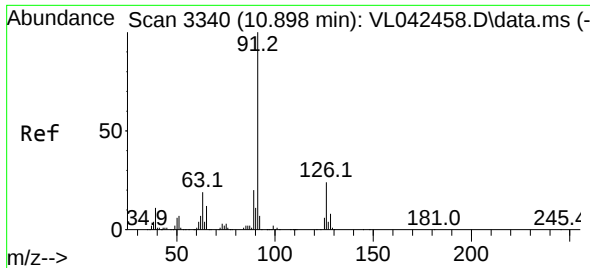
Delta R.T. 0.010 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Tgt Ion:	91	Resp:	1603
Ion	Ratio	Lower	Upper
91	100		
92	49.5	44.0	66.0
134	9.9	16.8	25.2#

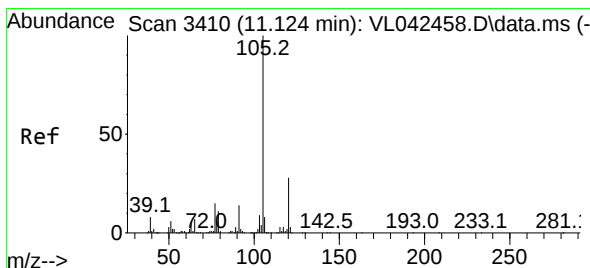
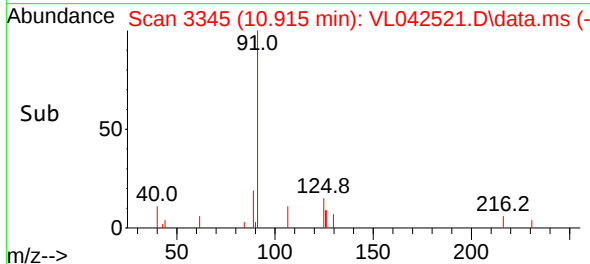
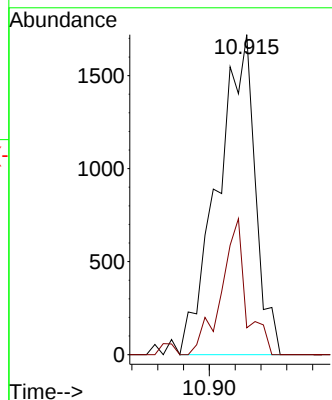
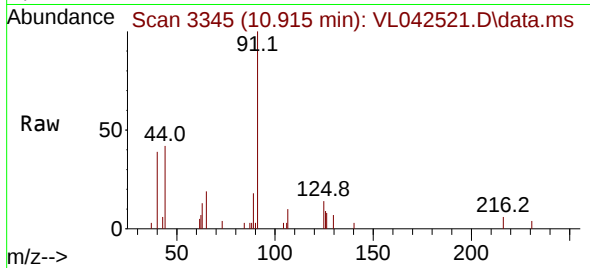




#71
2-Chlorotoluene
Concen: 0.072 ppbv
RT: 10.915 min Scan# 31
Delta R.T. 0.017 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

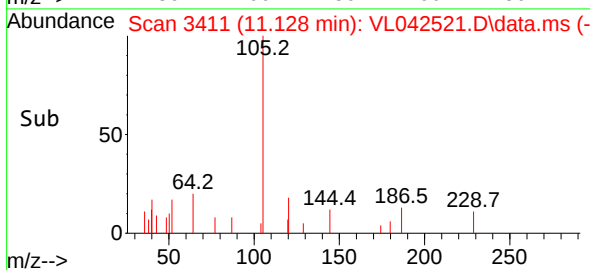
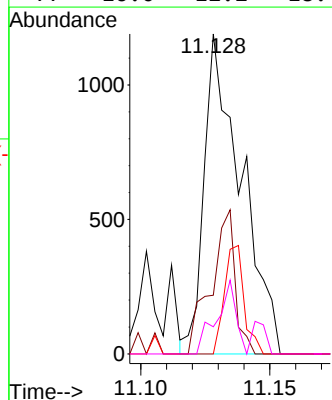
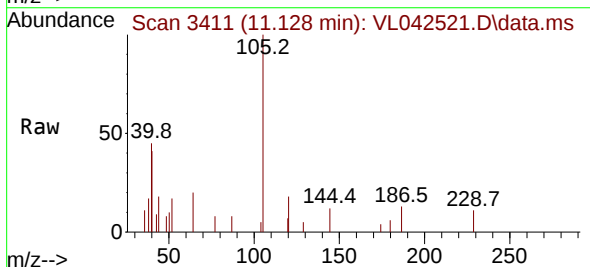
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

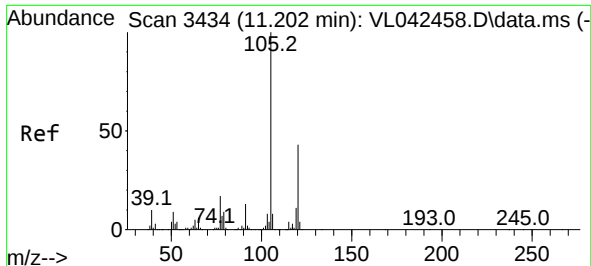
Tgt Ion: 91 Resp: 1740
Ion Ratio Lower Upper
91 100
126 29.4 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.047 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion: 105 Resp: 1181
Ion Ratio Lower Upper
105 100
120 30.7 22.0 33.0
91 18.0 11.2 16.8#
77 16.0 12.2 18.4

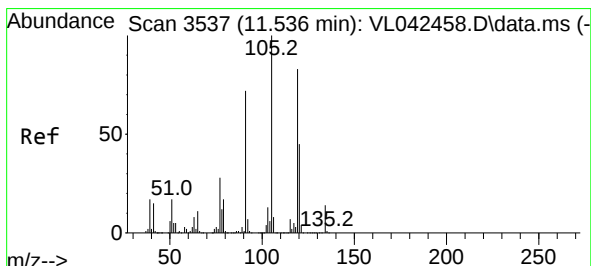
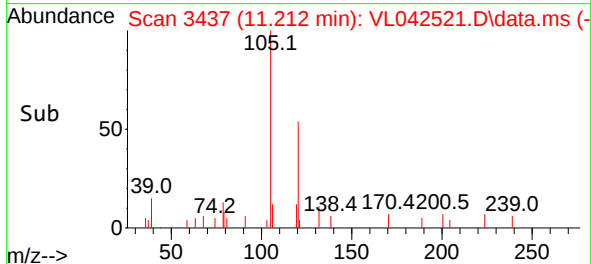
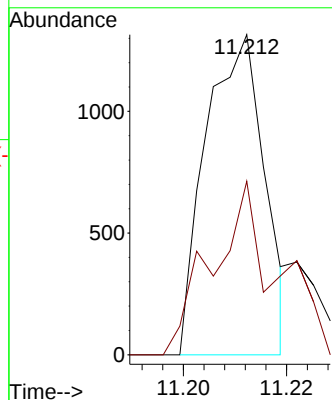
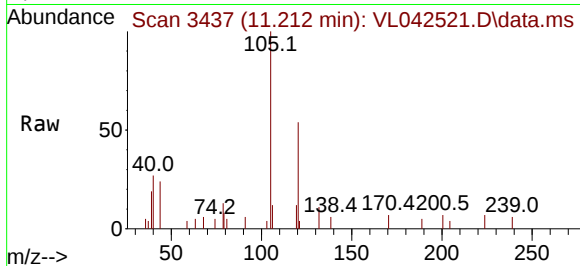




#73
1,3,5-Trimethylbenzene
Concen: 0.047 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

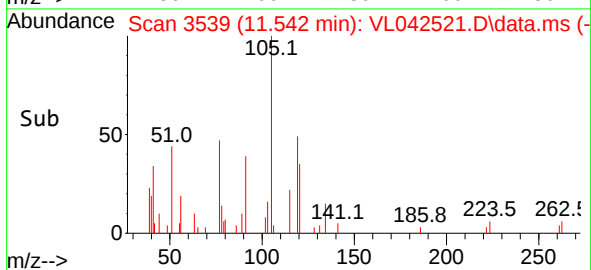
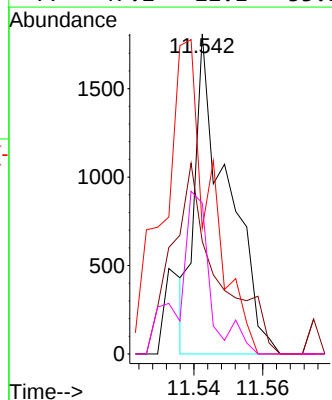
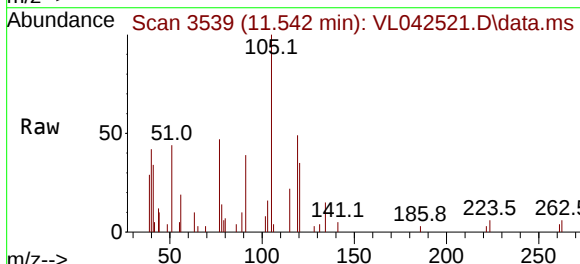
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

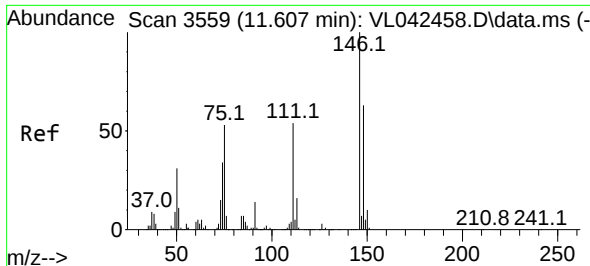
Tgt Ion:105 Resp: 1042
Ion Ratio Lower Upper
105 100
120 45.2 34.4 51.6



#74
1,2,4-Trimethylbenzene
Concen: 0.044 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.007 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:105 Resp: 1190
Ion Ratio Lower Upper
105 100
120 35.2 36.1 54.1#
91 39.4 57.6 86.4#
77 47.2 22.1 33.1#

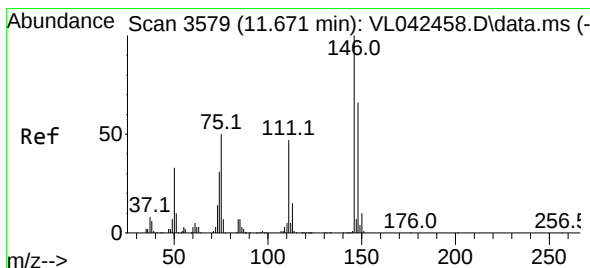
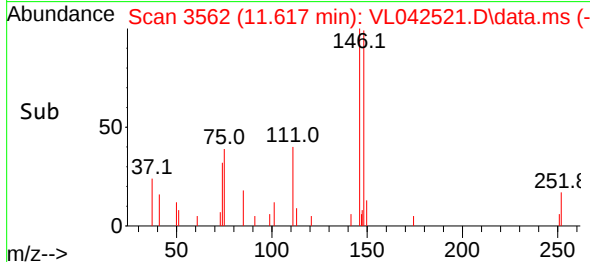
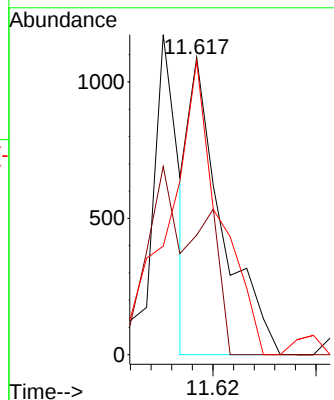
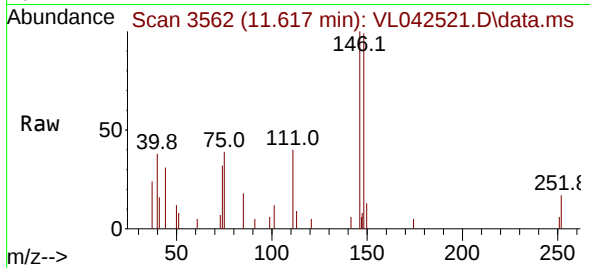




#75
1,3-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.617 min Scan# 3559
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

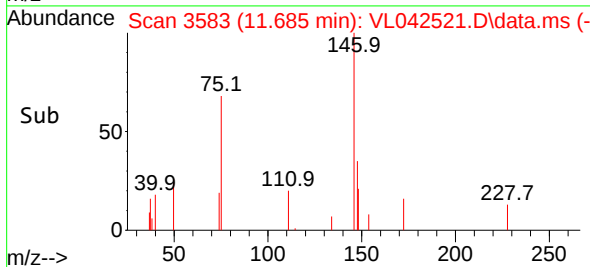
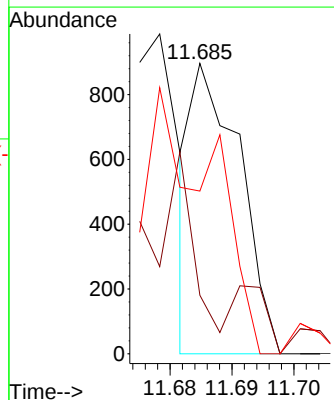
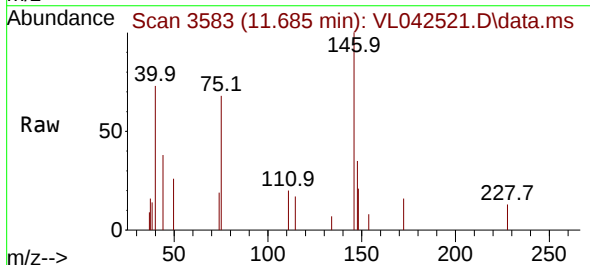
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.1

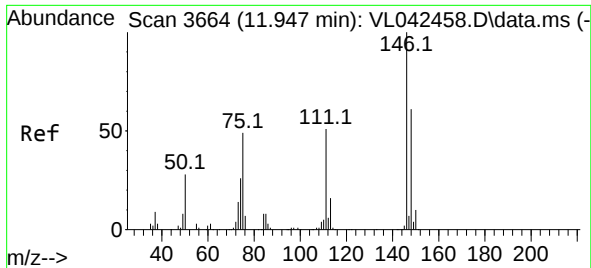
Tgt Ion:146 Resp: 476
Ion Ratio Lower Upper
146 100
111 0.0 26.1 78.3#
148 167.0 32.0 96.0#



#76
1,4-Dichlorobenzene
Concen: 0.034 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:146 Resp: 484
Ion Ratio Lower Upper
146 100
111 84.7 24.4 73.2#
148 0.0 32.0 96.2#

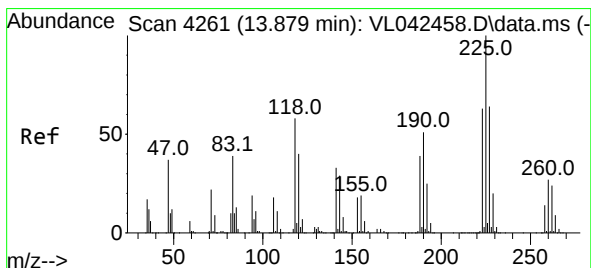
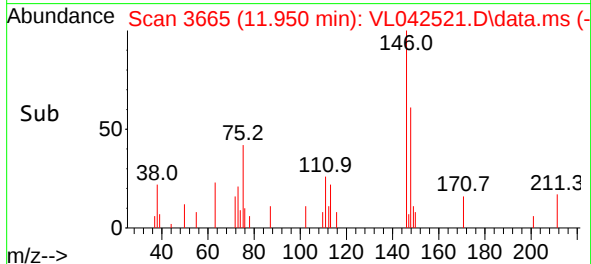
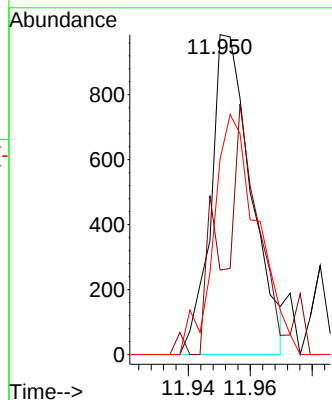
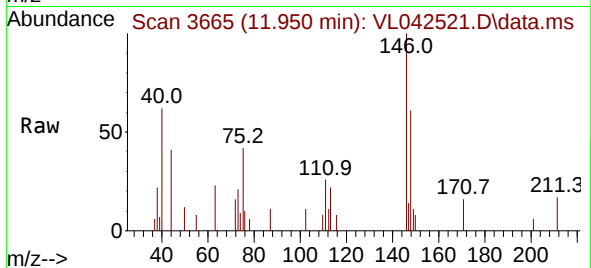




#77
1,2-Dichlorobenzene
Concen: 0.061 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

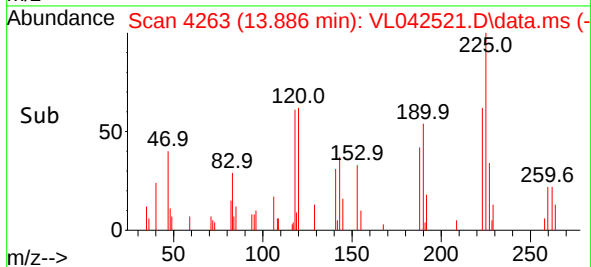
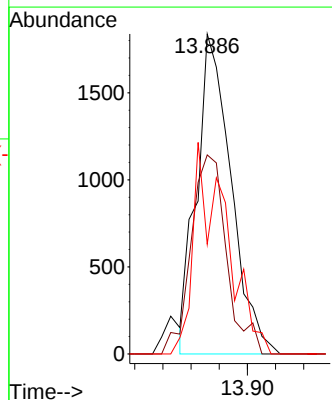
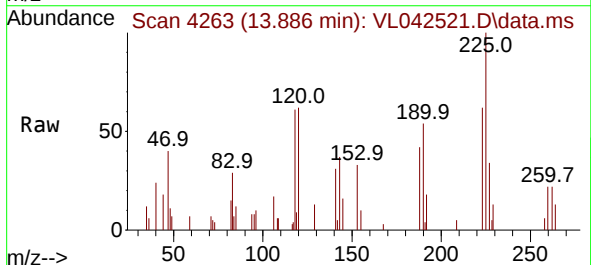
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

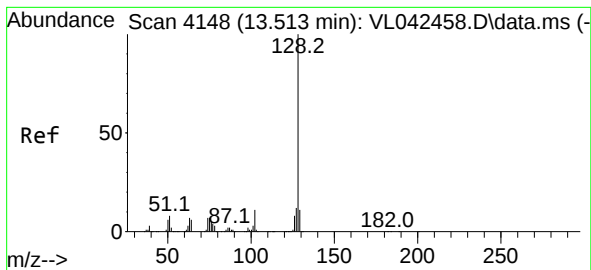
Tgt Ion:146 Resp: 892
Ion Ratio Lower Upper
146 100
111 72.1 26.5 79.5
148 82.0 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.106 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:225 Resp: 1560
Ion Ratio Lower Upper
225 100
223 63.8 50.2 75.4
227 63.9 51.2 76.8





#79

Naphthalene

Concen: 0.028 ppbv

RT: 13.520 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1

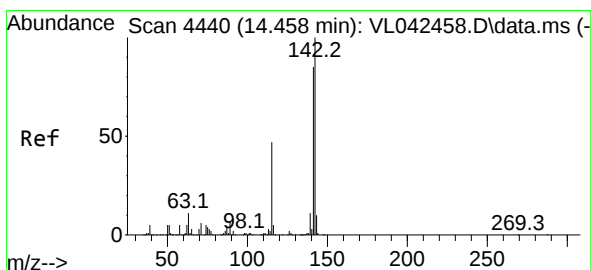
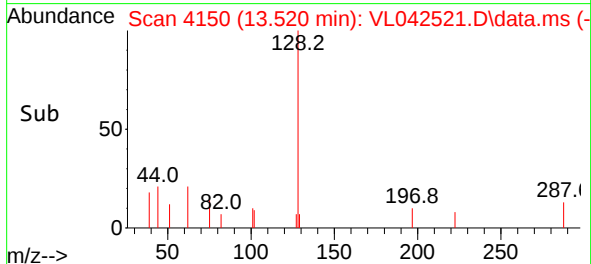
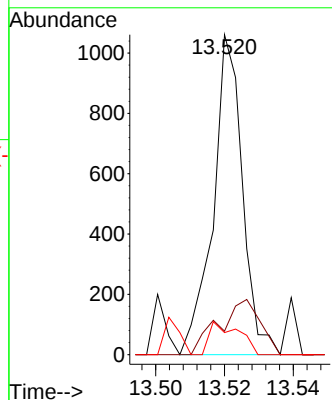
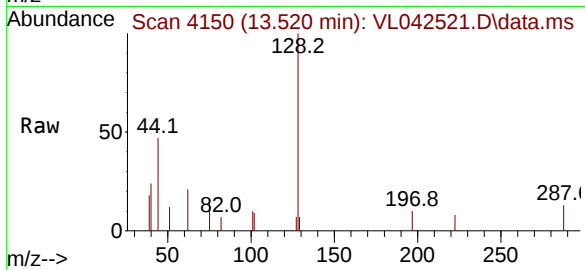
Tgt Ion:128 Resp: 626

Ion Ratio Lower Upper

128 100

127 7.4 9.7 14.5#

129 6.9 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.001 ppbv

RT: 14.478 min Scan# 4446

Delta R.T. 0.020 min

Lab File: VL042521.D

Acq: 07 May 2025 16:49

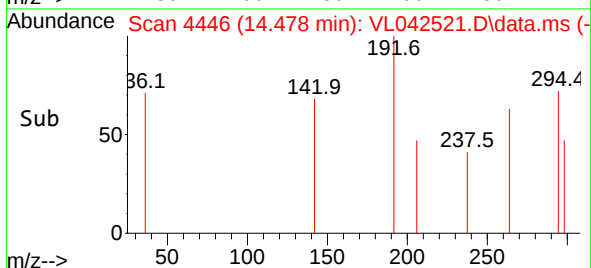
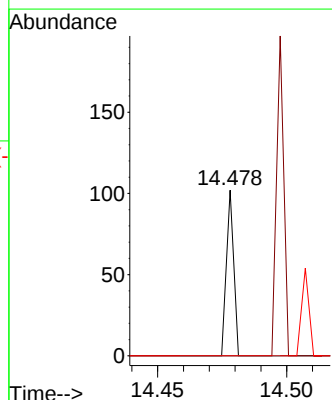
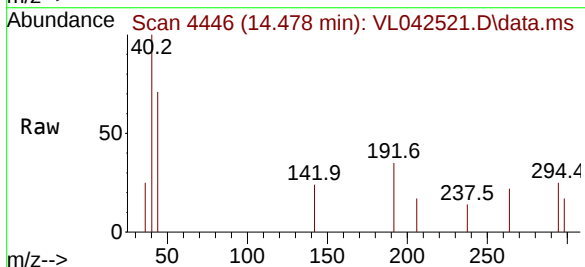
Tgt Ion:142 Resp: 20

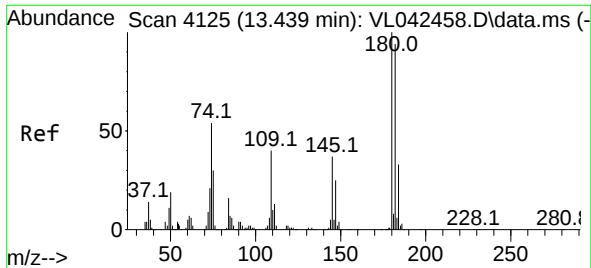
Ion Ratio Lower Upper

142 100

141 190.0 67.4 101.0#

115 50.0 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 0.027 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042521.D

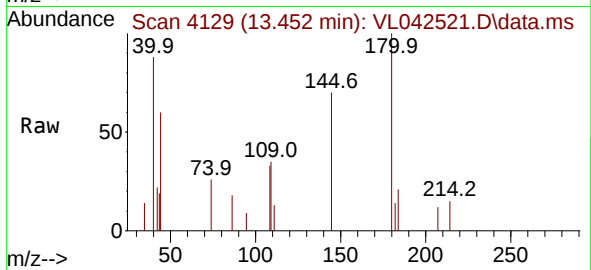
Acq: 07 May 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1



Tgt Ion:180	Resp:	332
Ion	Ratio	Lower Upper
180	100	
182	82.2	74.6 111.8
184	0.0	24.9 37.3#

