

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042611.D
 Acq On : 03 Jun 2025 15:12
 Operator : SY/MD
 Sample : Q2126-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:52:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	97231	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	264710	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	232229	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	177712	10.208	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.554	85	369	0.031	ppbv	97
3) Chlorodifluoromethane	1.476	51	2592	0.157	ppbv #	86
4) Chloromethane	1.531	50	268	0.057	ppbv #	87
5) Vinyl Chloride	1.580	62	80	0.017	ppbv #	78
6) Bromomethane	1.667	94	139	0.059	ppbv #	5
7) Chloroethane	1.809	64	24	0.013	ppbv #	44
8) Dichlorotetrafluoroethane	1.554	85	369	0.037	ppbv	92
9) Propene	1.486	41	330	0.050	ppbv #	58
10) Heptane	4.978	43	324	0.017	ppbv #	74
11) Trichlorofluoromethane	1.877	101	453	0.041	ppbv #	74
12) 1,1,2-Trichlorotrifluo...	2.140	101	376	0.043	ppbv	91
13) Ethanol	1.728	45	191	0.242	ppbv #	39
14) Bromoethene	1.780	108	89	0.027	ppbv #	40
15) Acetone	1.839	43	943	0.081	ppbv #	70
16) 1,3-Butadiene	1.609	39	314	0.057	ppbv	95
17) tert-Butyl alcohol	2.029	59	14	0.001	ppbv #	1
18) 1,1-Dichloroethene	2.033	96	133	0.033	ppbv #	84
19) Isopropyl Alcohol	1.887	45	433	0.062	ppbv #	9
20) Methylene Chloride	2.059	84	843	0.218	ppbv #	80
21) Allyl Chloride	2.097	41	602	0.073	ppbv #	25
22) trans-1,2-Dichloroethene	2.340	96	163	0.036	ppbv #	50
23) Vinyl Acetate	2.463	43	650	0.041	ppbv #	1
24) 1,1-Dichloroethane	2.405	63	457	0.049	ppbv #	88
25) Ethyl Acetate	2.829	43	469	0.015	ppbv #	75
26) Hexane	2.822	57	534	0.037	ppbv #	11
27) Carbon Disulfide	2.152	76	443	0.040	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	175	0.030	ppbv #	31
29) Chloroform	2.848	83	864	0.046	ppbv	92
30) Cyclohexane	3.855	84	82	0.007	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	493	0.037	ppbv #	78
32) 1,1,1-Trichloroethane	3.366	97	691	0.036	ppbv #	43
34) 2-Butanone	2.563	43	854	0.045	ppbv #	88
35) Carbon Tetrachloride	3.764	117	513	0.029	ppbv #	67
36) Benzene	3.657	78	737	0.028	ppbv #	84
37) 1,2-Dichloroethane	3.214	62	463	0.036	ppbv #	78
38) Trichloroethene	4.544	130	250	0.023	ppbv #	23
39) 1,2-Dichloropropane	3.955	63	65649	6.810	ppbv #	22
40) 1,4-Dioxane	4.327	88	43	0.010	ppbv #	8
41) Tetrahydrofuran	3.065	42	68	0.006	ppbv #	39
42) Bromodichloromethane	4.493	83	204	0.011	ppbv #	49
43) Methyl Methacrylate	4.881	69	72	0.007	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	206	0.005	ppbv #	1
45) t-1,3-Dichloropropene	6.422	75	24	0.002	ppbv #	44

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Instrument :
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Quant Time: Jun 04 01:52:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

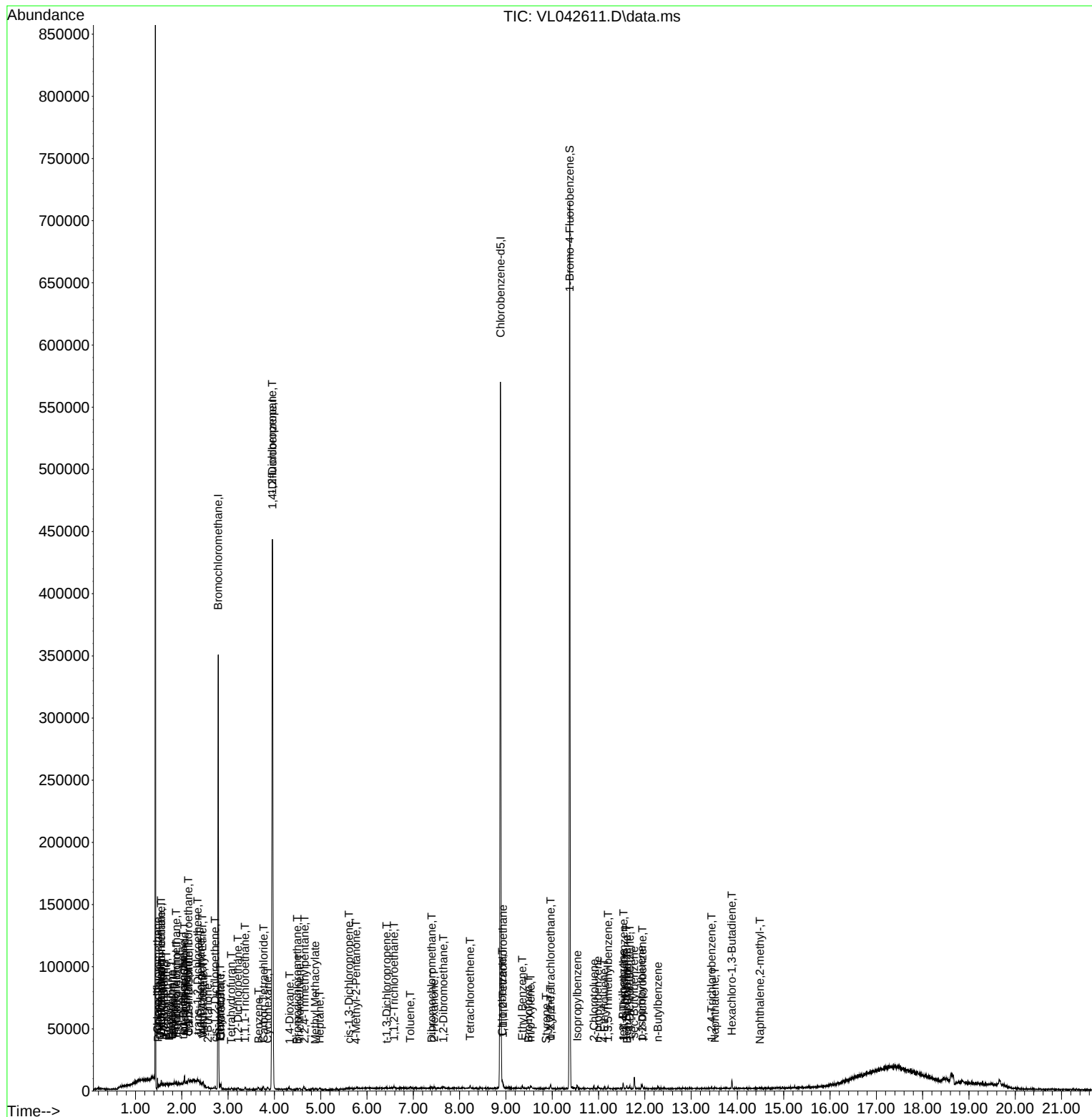
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	208	0.014	ppbv #	25
47) 1,1,2-Trichloroethane	6.583	97	156	0.016	ppbv #	46
48) Dibromochloromethane	7.396	129	254	0.016	ppbv #	25
49) Bromoform	9.487	173	183	0.013	ppbv #	33
50) 4-Methyl-2-Pentanone	5.765	43	127	0.005	ppbv #	54
51) 2-Hexanone	7.448	43	156	0.008	ppbv #	78
52) Tetrachloroethene	8.228	164	284	0.029	ppbv #	27
53) Toluene	6.936	91	244	0.008	ppbv #	20
54) 1,2-Dibromoethane	7.648	107	206	0.014	ppbv #	50
56) 1,1,1,2-Tetrachloroethane	8.933	131	103	0.009	ppbv #	9
57) Chlorobenzene	8.920	112	738	0.033	ppbv #	38
58) Ethyl Benzene	9.354	91	1332	0.034	ppbv	95
59) m/p-Xylene	9.532	91	460	0.015	ppbv #	29
60) o-Xylene	9.962	91	845	0.027	ppbv	100
61) Styrene	9.865	104	76	0.005	ppbv #	30
62) Isopropylbenzene	10.542	105	1327	0.029	ppbv	93
63) 1,1,2,2-Tetrachloroethane	9.966	83	603	0.031	ppbv #	77
64) n-propylbenzene	10.985	120	153	0.012	ppbv #	1
65) tert-Butylbenzene	11.526	119	692	0.017	ppbv #	35
66) Benzyl Chloride	11.620	91	27	0.005	ppbv #	64
67) sec-Butylbenzene	11.765	105	1435	0.025	ppbv	100
69) p-Isopropyltoluene	11.927	119	1009	0.021	ppbv #	87
70) n-Butylbenzene	12.283	91	423	0.009	ppbv #	66
71) 2-Chlorotoluene	10.904	91	1013	0.029	ppbv	86
72) 4-Ethyltoluene	11.124	105	509	0.013	ppbv #	67
73) 1,3,5-Trimethylbenzene	11.205	105	640	0.020	ppbv #	71
74) 1,2,4-Trimethylbenzene	11.539	105	685	0.019	ppbv #	80
75) 1,3-Dichlorobenzene	11.603	146	255	0.011	ppbv #	24
76) 1,4-Dichlorobenzene	11.678	146	480	0.022	ppbv	81
77) 1,2-Dichlorobenzene	11.950	146	563	0.026	ppbv	96
78) Hexachloro-1,3-Butadiene	13.879	225	446	0.025	ppbv #	27
79) Naphthalene	13.510	128	202	0.006	ppbv #	69
80) Naphthalene,2-methyl-	14.484	142	52	0.003	ppbv #	17
81) 1,2,4-Trichlorobenzene	13.442	180	334	0.018	ppbv #	49

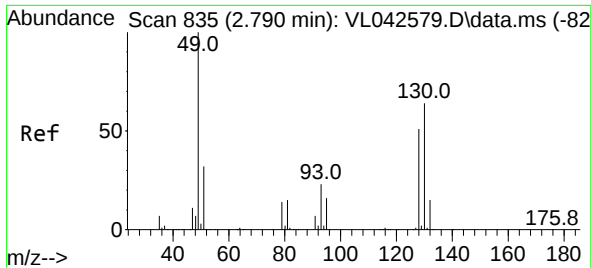
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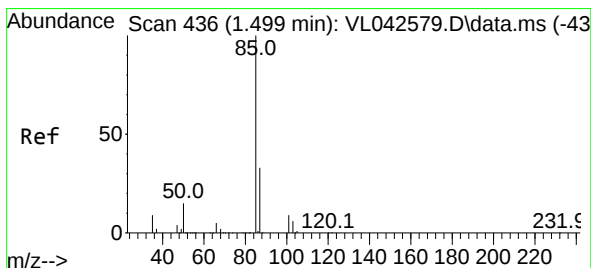
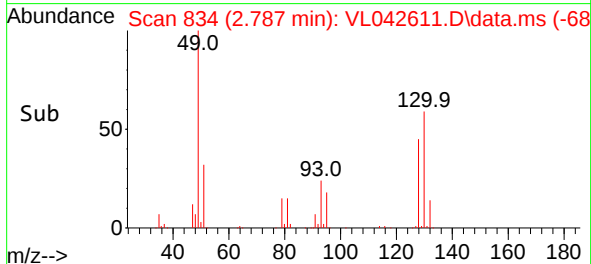
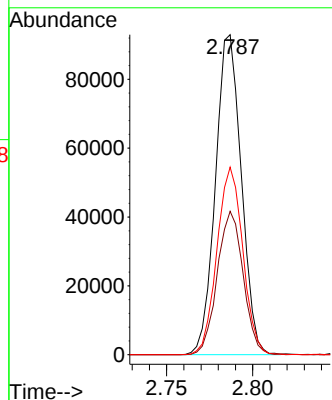
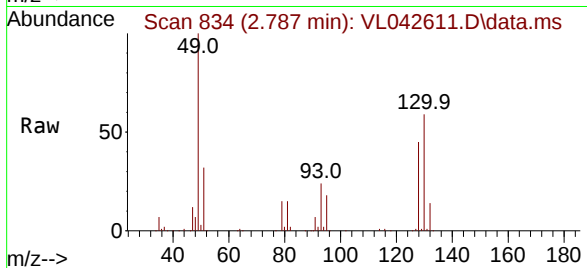




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

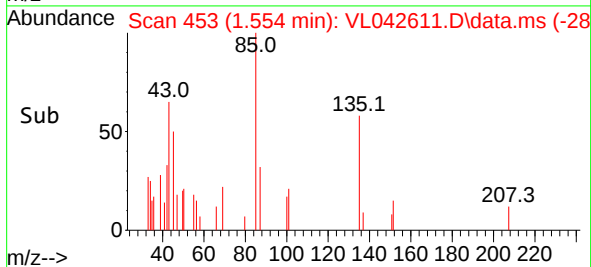
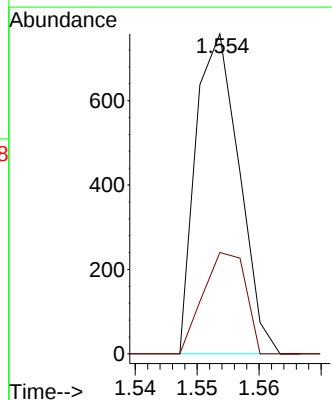
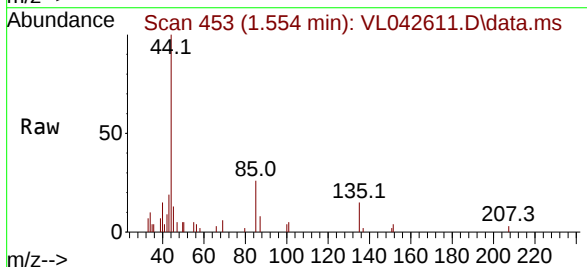
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

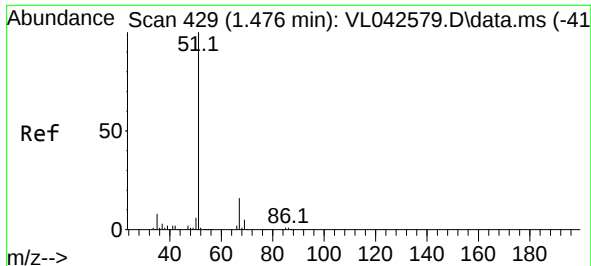
Tgt Ion: 49 Resp: 97231
Ion Ratio Lower Upper
49 100
128 44.9 24.2 72.6
130 58.6 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.055 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 85 Resp: 369
Ion Ratio Lower Upper
85 100
87 31.7 26.6 39.8

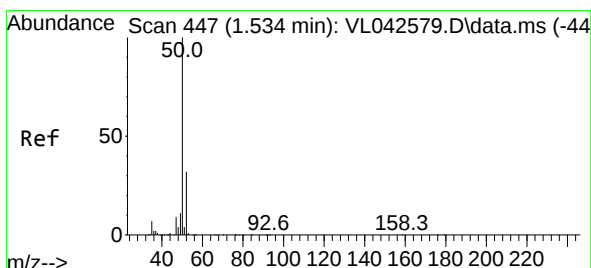
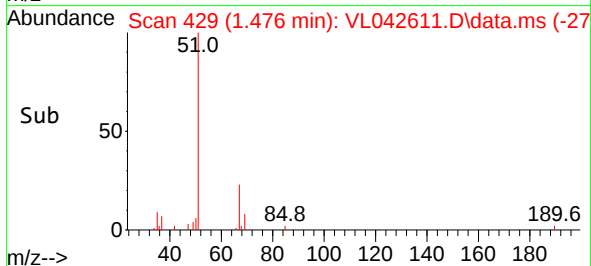
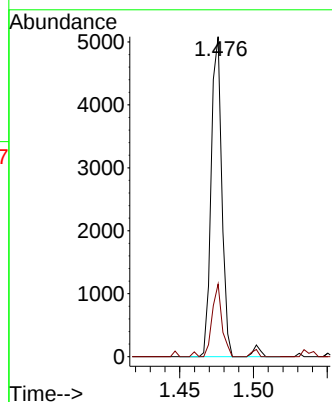
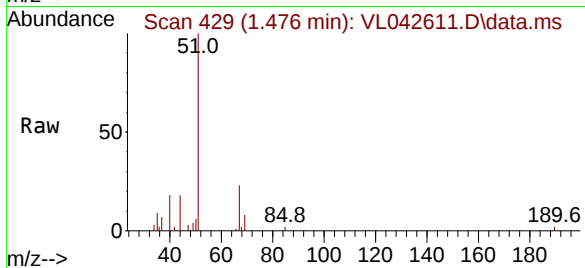




#3
Chlorodifluoromethane
Concen: 0.157 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

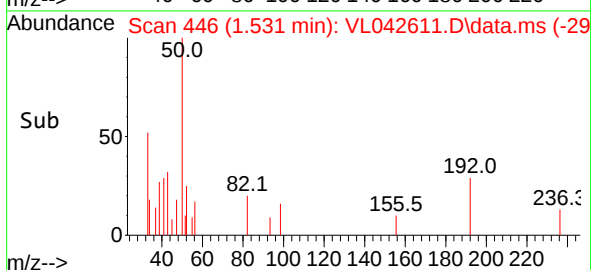
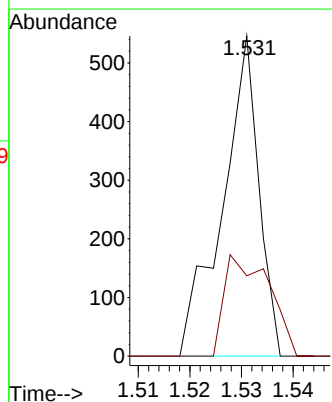
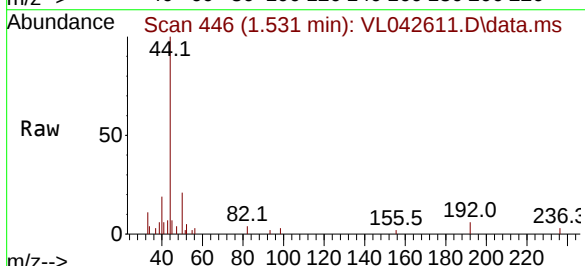
Instrument :
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ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

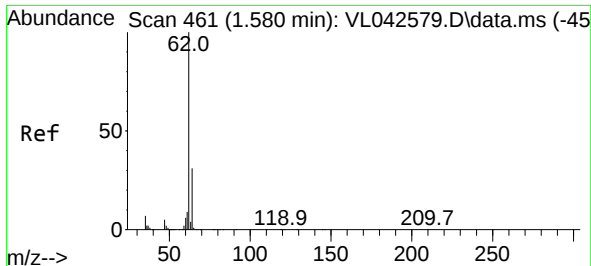
Tgt Ion: 51 Resp: 2592
Ion Ratio Lower Upper
51 100
67 23.0 13.4 20.2#



#4
Chloromethane
Concen: 0.057 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 50 Resp: 268
Ion Ratio Lower Upper
50 100
52 25.1 25.8 38.6#

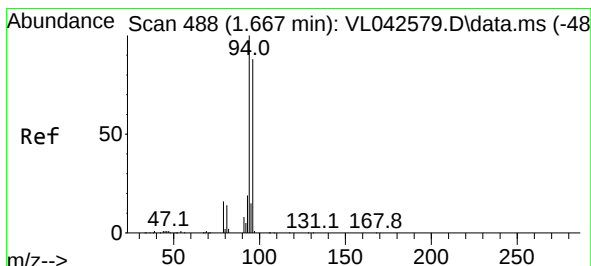
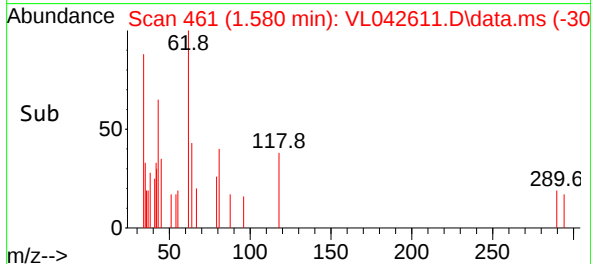
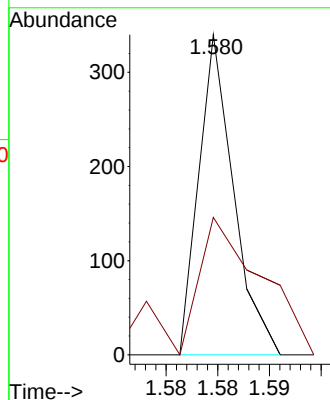
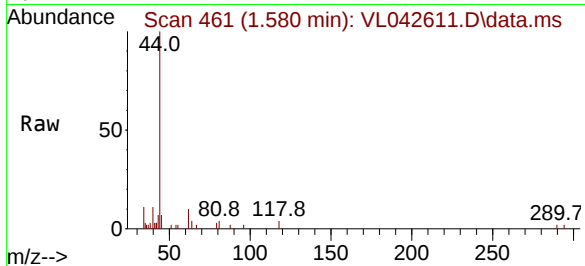




#5
 Vinyl Chloride
 Concen: 0.017 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

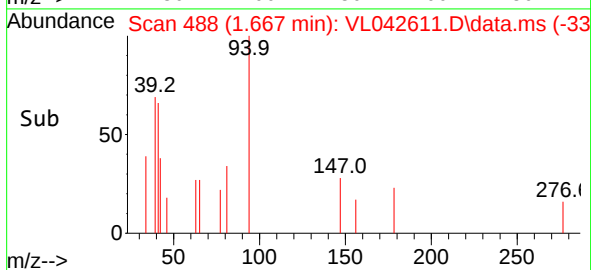
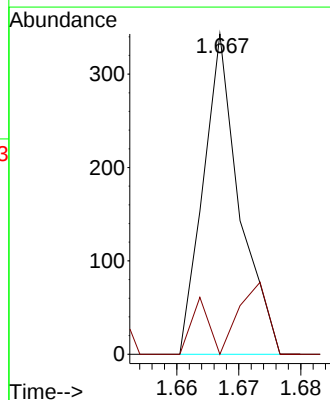
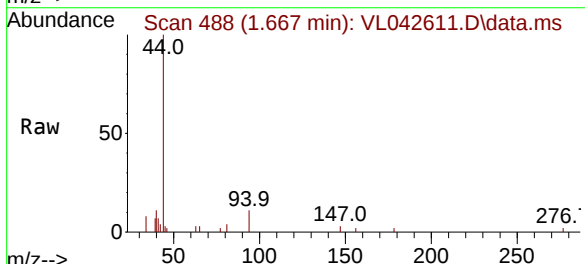
Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

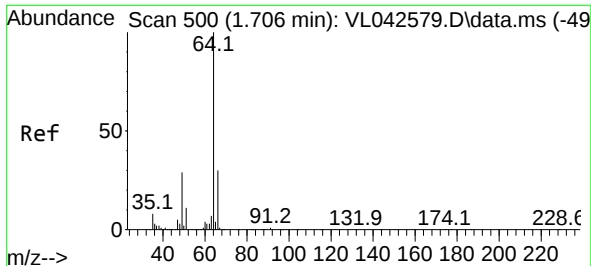
Tgt Ion: 62 Resp: 80
 Ion Ratio Lower Upper
 62 100
 64 42.9 24.9 37.3#



#6
 Bromomethane
 Concen: 0.059 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion: 94 Resp: 139
 Ion Ratio Lower Upper
 94 100
 96 0.0 70.7 106.1#

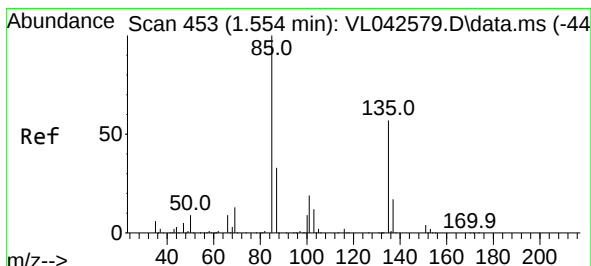
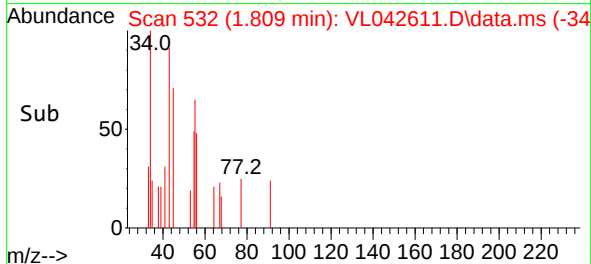
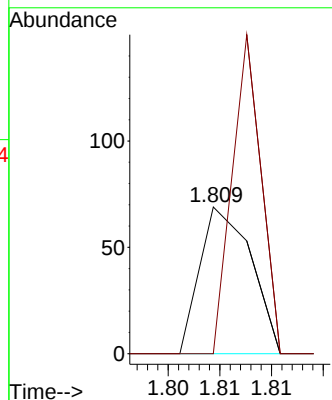
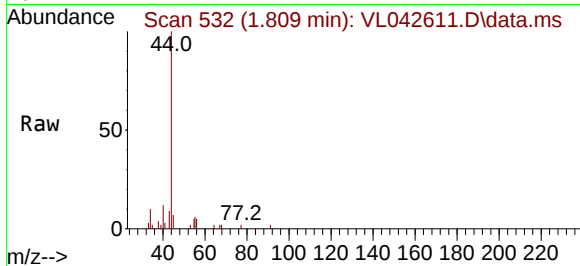




#7
Chloroethane
Concen: 0.013 ppbv
RT: 1.809 min Scan# 51
Delta R.T. 0.103 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

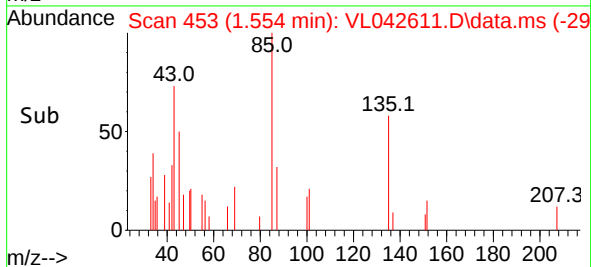
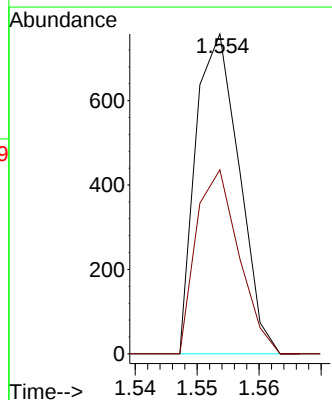
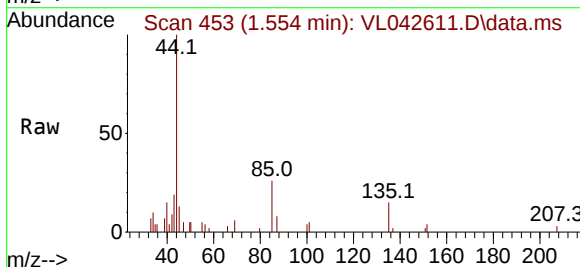
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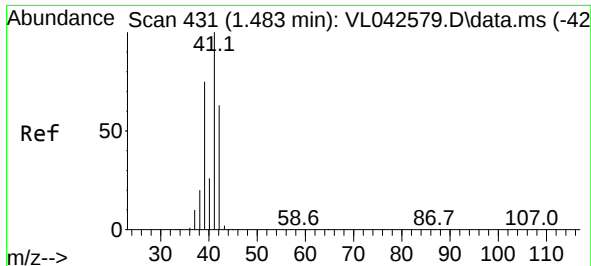
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#8
Dichlorotetrafluoroethane
Concen: 0.037 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 85 Resp: 369
Ion Ratio Lower Upper
85 100
135 56.9 50.2 75.4

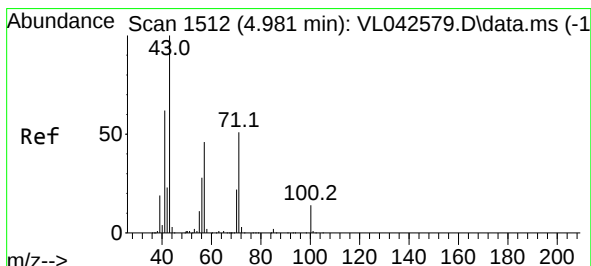
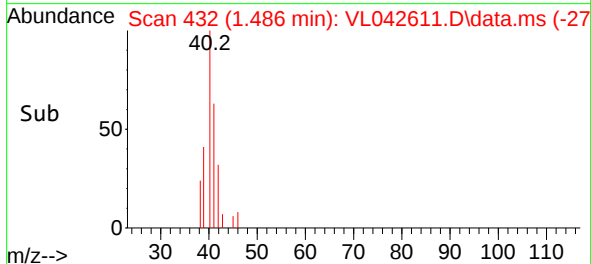
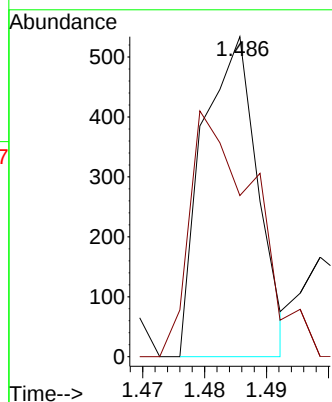
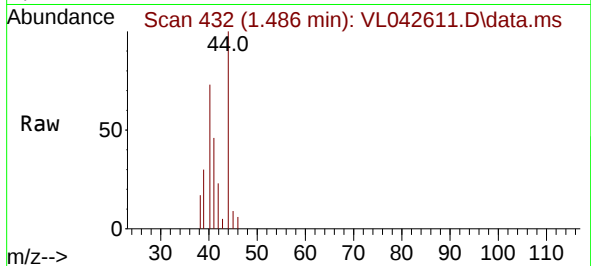




#9
 Propene
 Concen: 0.050 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

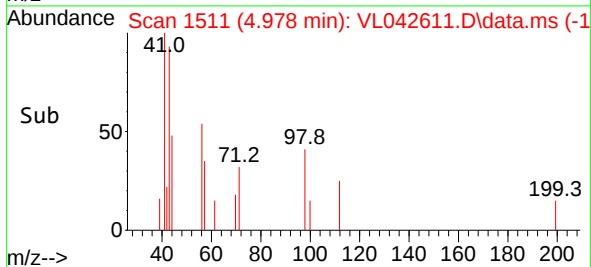
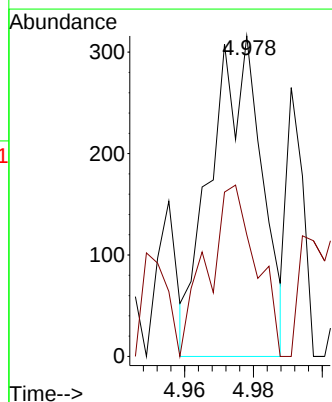
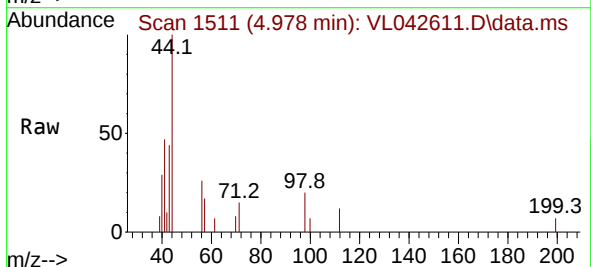
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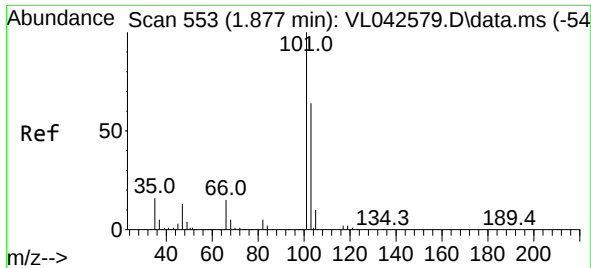
Tgt Ion: 41 Resp: 330
 Ion Ratio Lower Upper
 41 100
 42 100.0 53.3 79.9#



#10
 Heptane
 Concen: 0.017 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. -0.003 min
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Tgt Ion: 43 Resp: 324
 Ion Ratio Lower Upper
 43 100
 57 66.4 38.9 58.3#

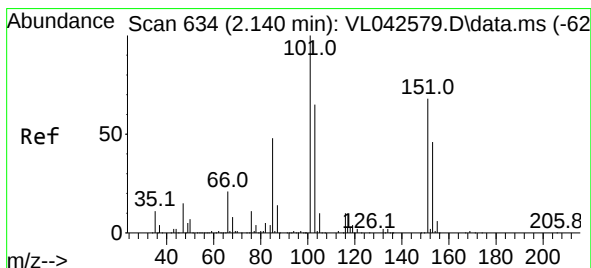
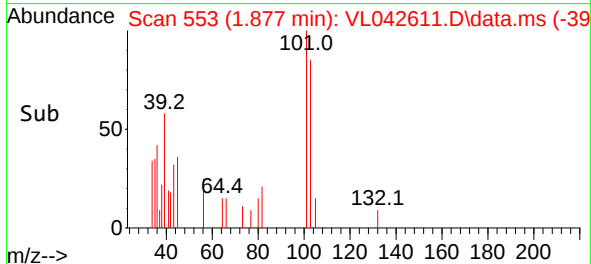
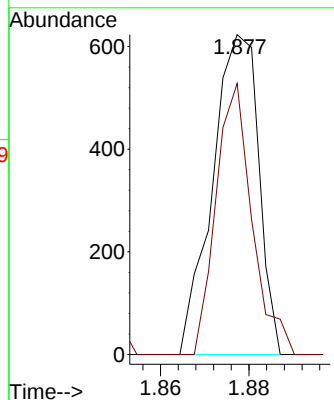
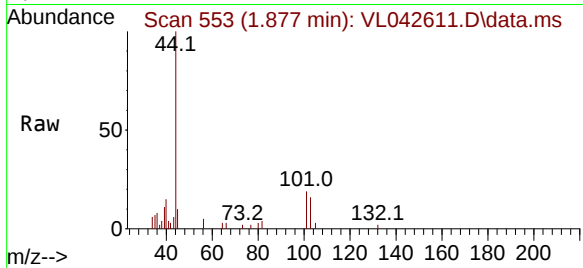




#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

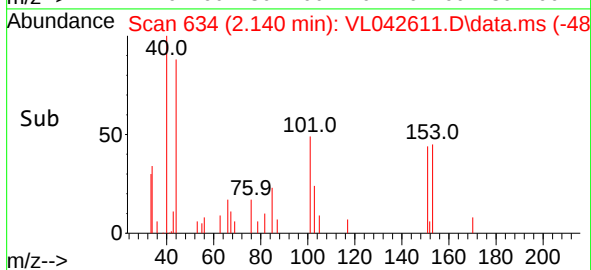
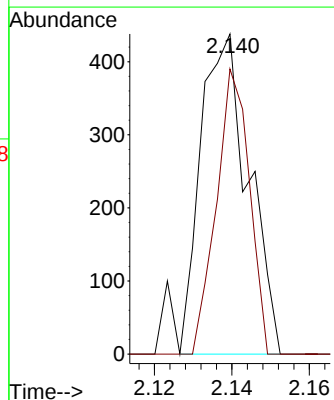
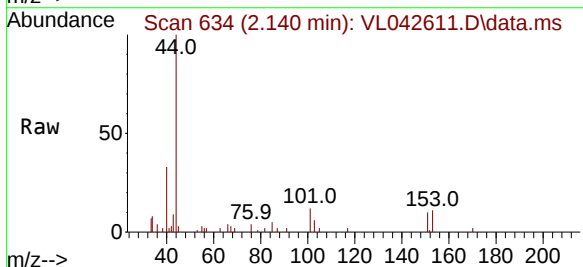
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

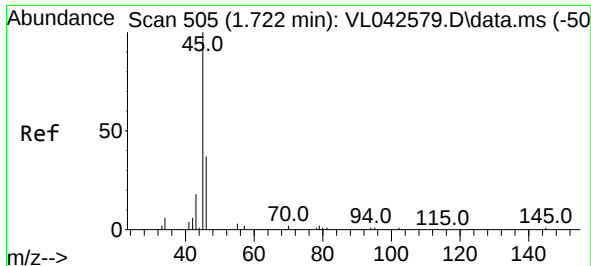
Tgt Ion:101 Resp: 453
 Ion Ratio Lower Upper
 101 100
 103 84.8 51.5 77.3#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.043 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion:101 Resp: 376
 Ion Ratio Lower Upper
 101 100
 151 61.4 55.3 82.9

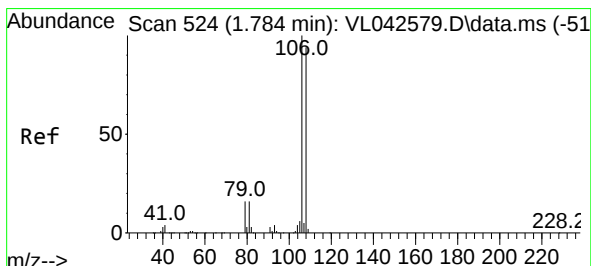
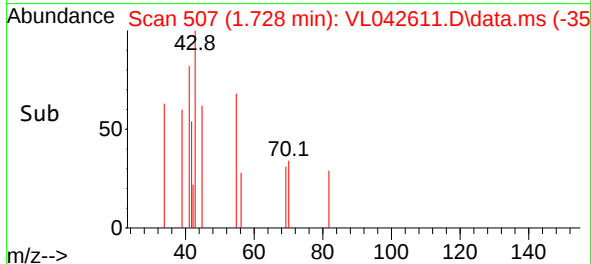
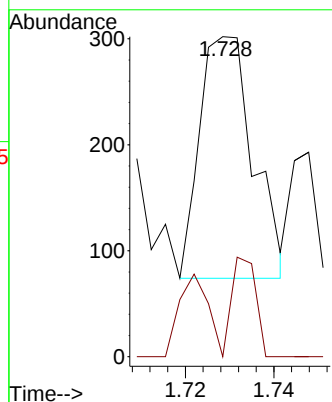
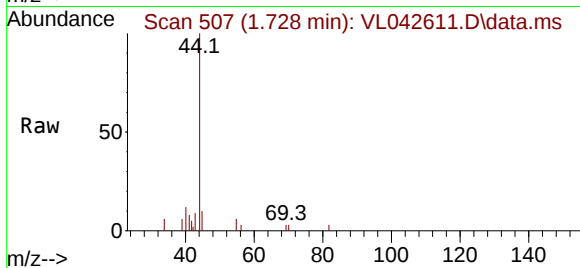




#13
Ethanol
Concen: 0.242 ppbv
RT: 1.728 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

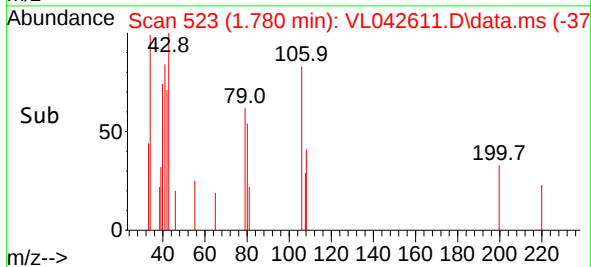
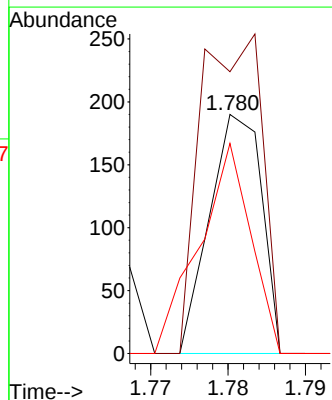
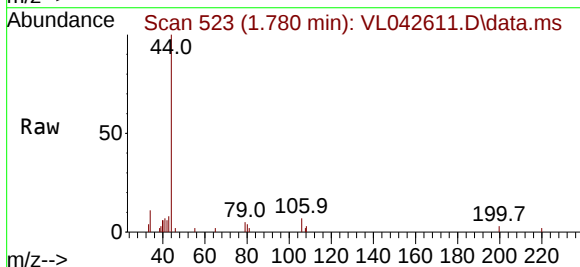
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 45 Resp: 191
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#



#14
Bromoethene
Concen: 0.027 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 108 Resp: 89
Ion Ratio Lower Upper
108 100
106 157.3 87.9 131.9#
79 86.5 15.6 23.4#

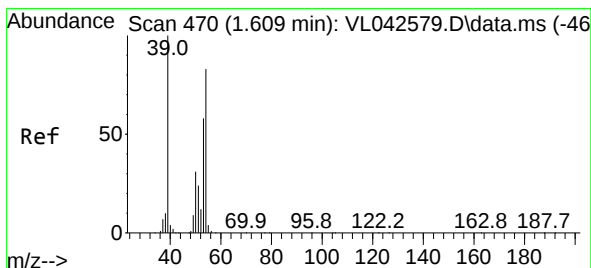
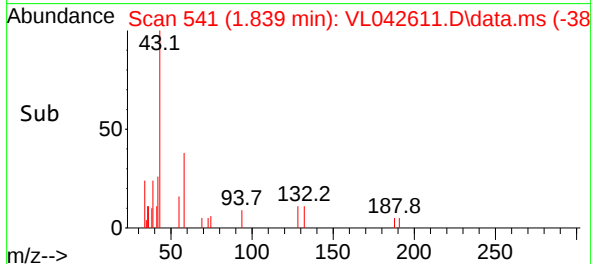
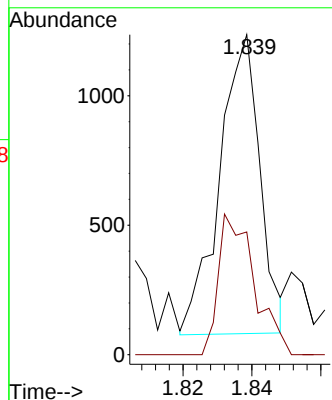
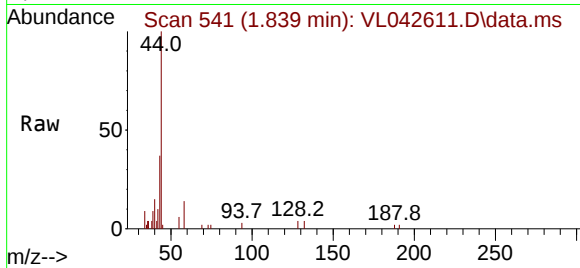




#15
Acetone
Concen: 0.081 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

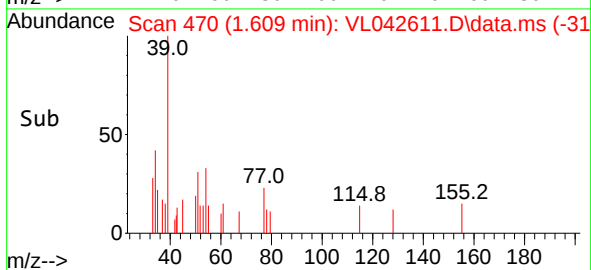
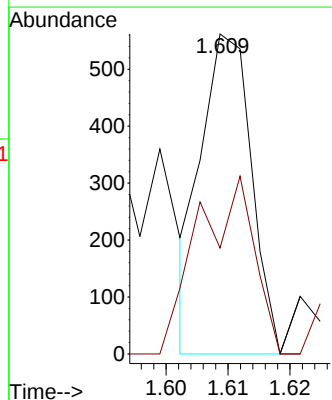
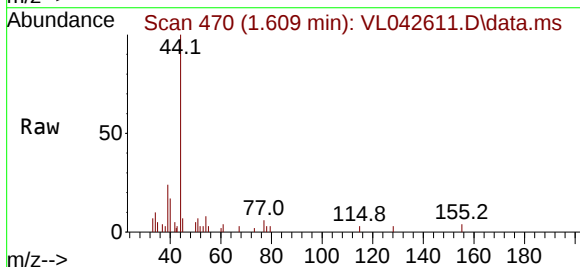
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

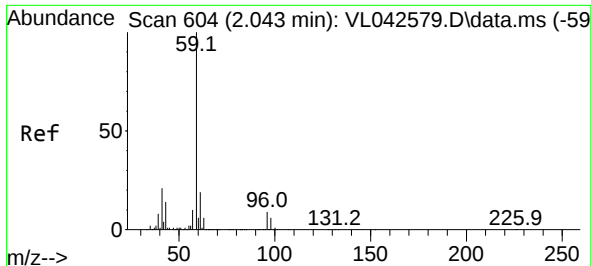
Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
58 41.7 21.0 31.4#



#16
1,3-Butadiene
Concen: 0.057 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 39 Resp: 314
Ion Ratio Lower Upper
39 100
54 76.4 57.9 86.9





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 2.029 min Scan# 60

Delta R.T. -0.013 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

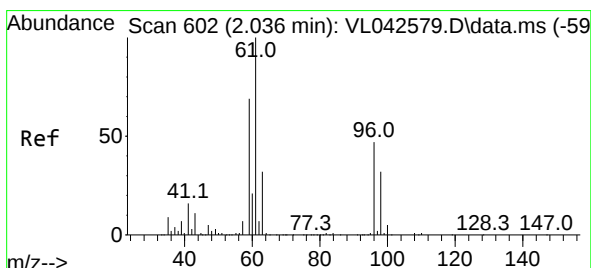
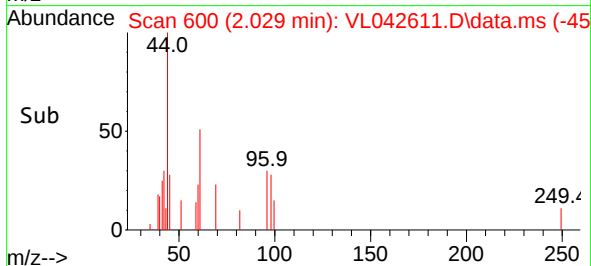
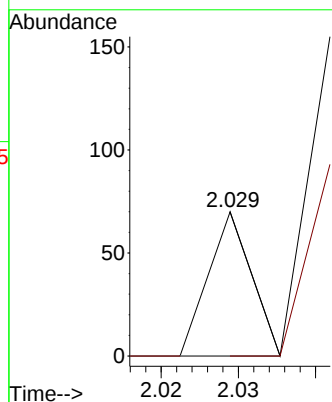
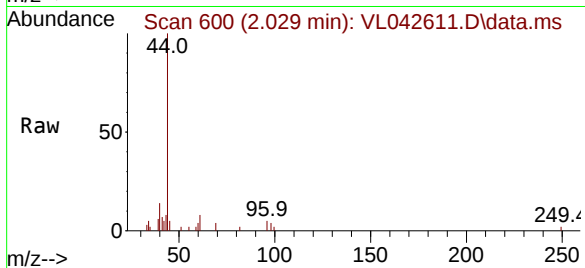
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 59 Resp: 14

Ion Ratio Lower Upper

59 100

57 207.1 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.033 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

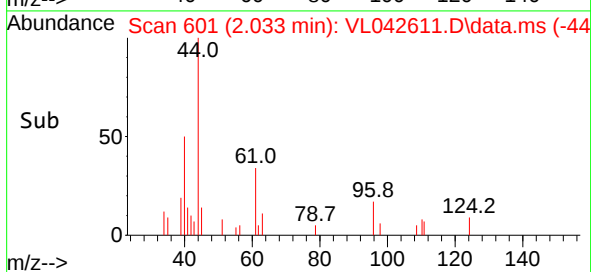
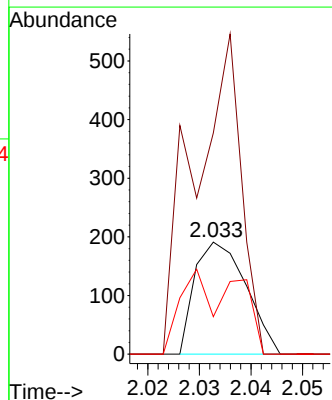
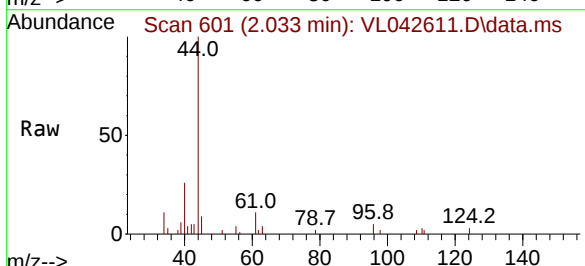
Tgt Ion: 96 Resp: 133

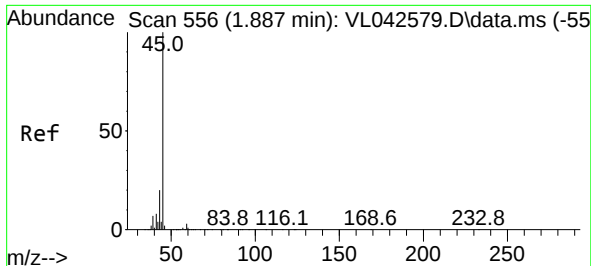
Ion Ratio Lower Upper

96 100

61 225.7 171.1 256.7

98 33.5 54.4 81.6#

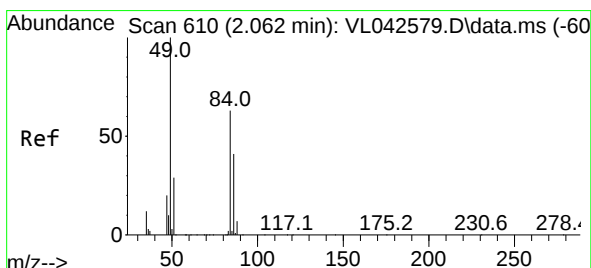
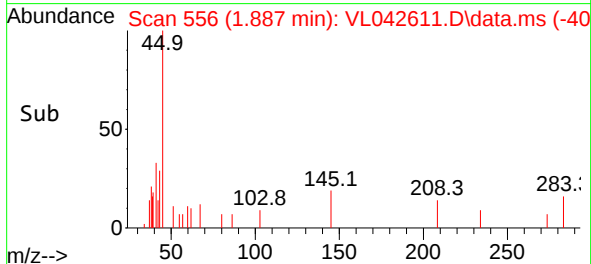
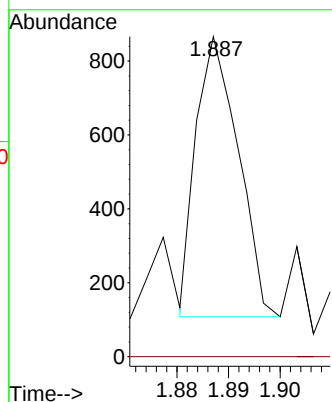
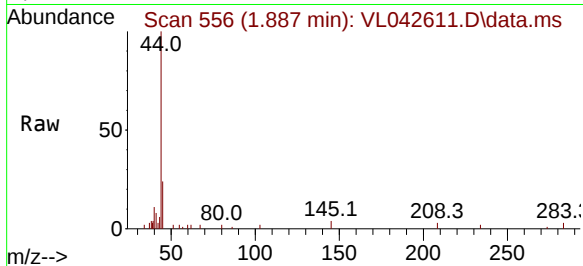




#19
Isopropyl Alcohol
Concen: 0.062 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

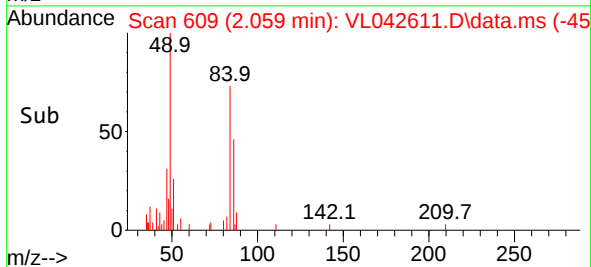
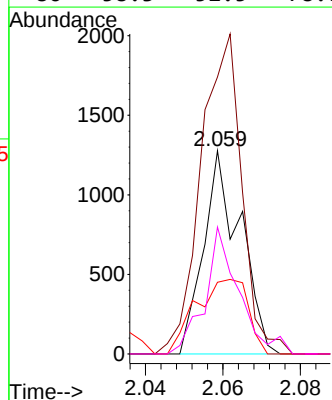
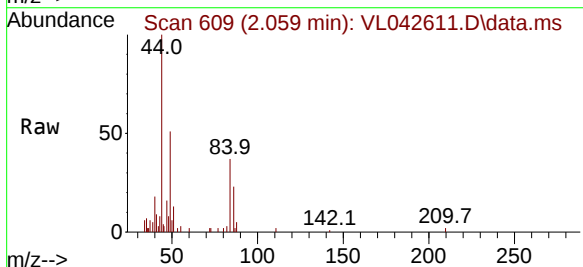
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

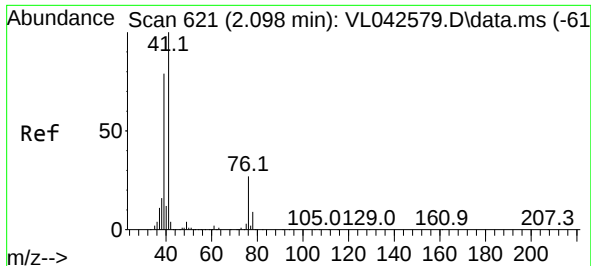
Tgt Ion: 45 Resp: 433
Ion Ratio Lower Upper
45 100
58 90.8 29.4 44.2#



#20
Methylene Chloride
Concen: 0.218 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 84 Resp: 843
Ion Ratio Lower Upper
84 100
49 129.2 128.8 193.2
51 35.3 38.6 57.8#
86 58.3 52.5 78.7





#21

Allyl Chloride

Concen: 0.073 ppbv

RT: 2.097 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

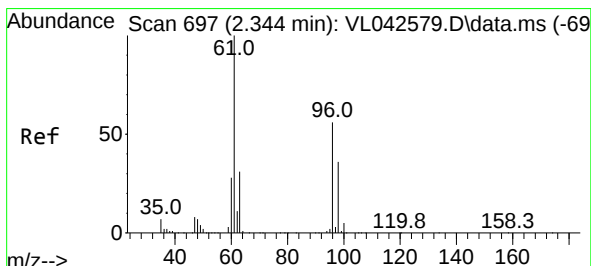
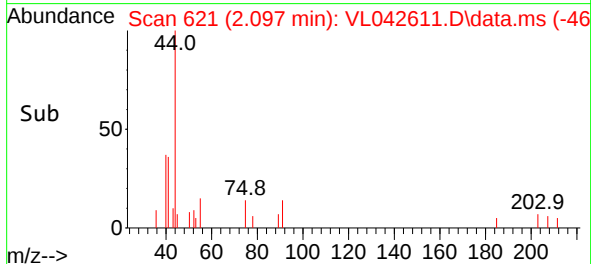
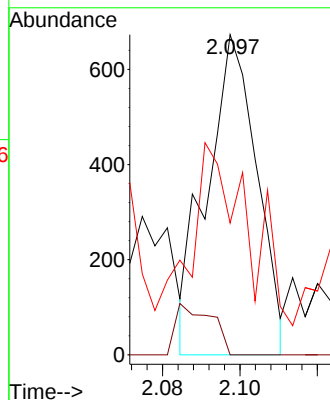
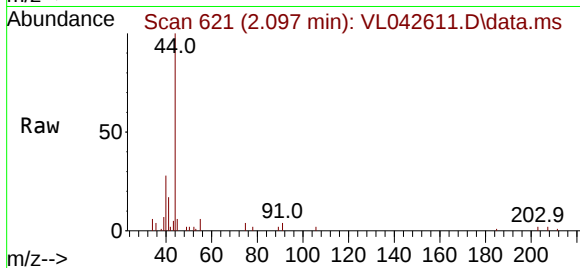
Tgt Ion: 41 Resp: 602

Ion Ratio Lower Upper

41 100

76 11.5 21.2 31.8#

39 154.0 60.9 91.3#



#22

trans-1,2-Dichloroethene

Concen: 0.036 ppbv

RT: 2.340 min Scan# 696

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

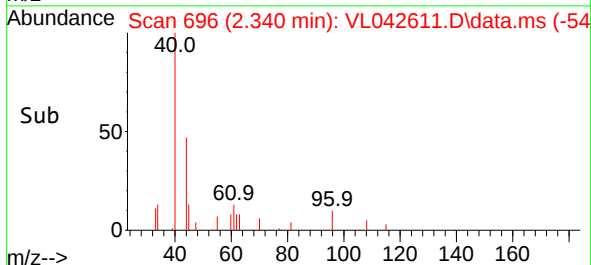
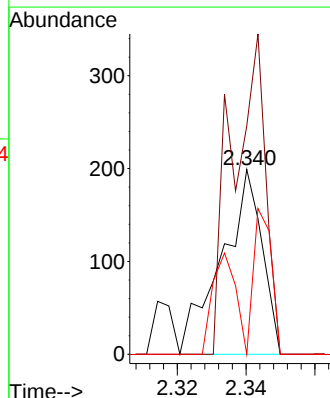
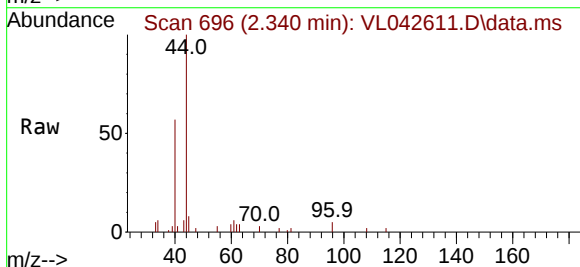
Tgt Ion: 96 Resp: 163

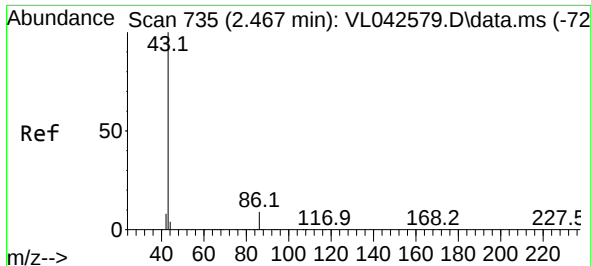
Ion Ratio Lower Upper

96 100

61 123.6 142.6 214.0#

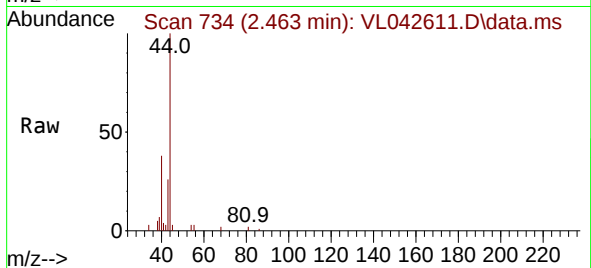
98 0.0 51.0 76.4#



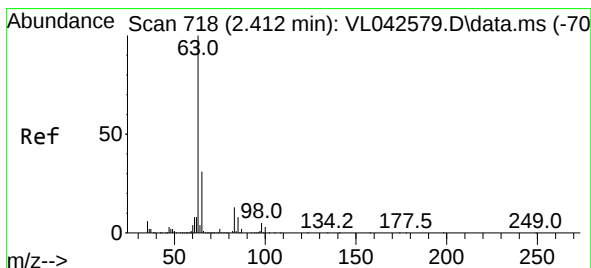
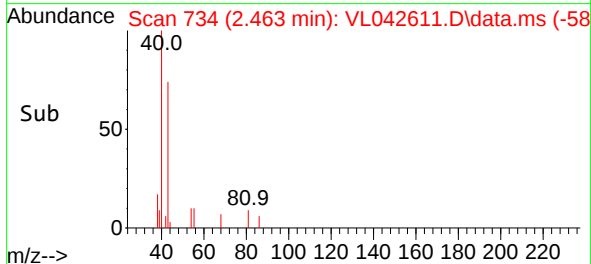
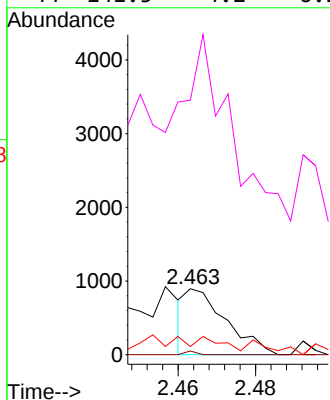


#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Instrument : MSVOA_1
 ClientSampleId : LOD-MDL-AIR-01-QT2-2025

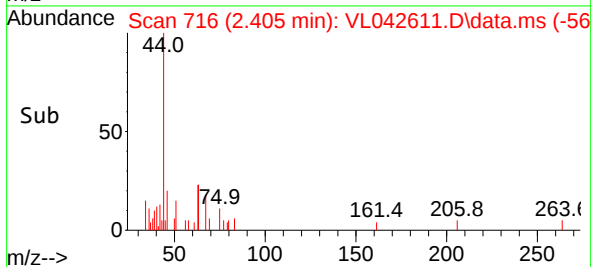
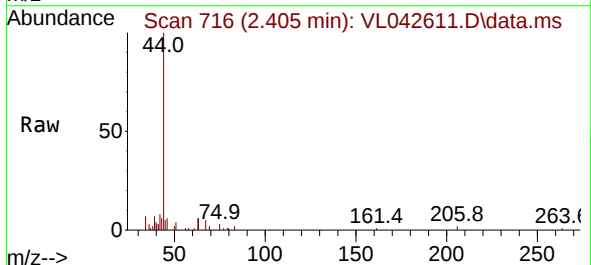
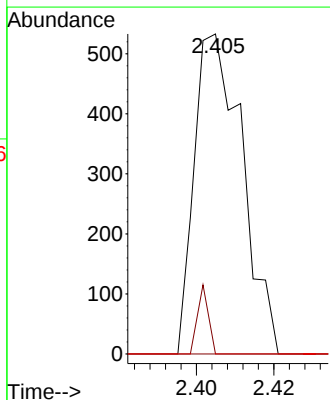


Tgt Ion: 43	Resp: 650
Ion Ratio	Lower Upper
43	100
86	5.7 6.6 9.8#
42	6.4 7.0 10.4#
44	141.5 4.2 6.2#



#24
 1,1-Dichloroethane
 Concen: 0.049 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.007 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion: 63	Resp: 457
Ion Ratio	Lower Upper
63	100
98	0.0 2.4 7.1#
100	0.0 1.4 4.0#





#25

Ethyl Acetate

Concen: 0.015 ppbv

RT: 2.829 min Scan# 847

Delta R.T. -0.010 min

Lab File: VL042611.D

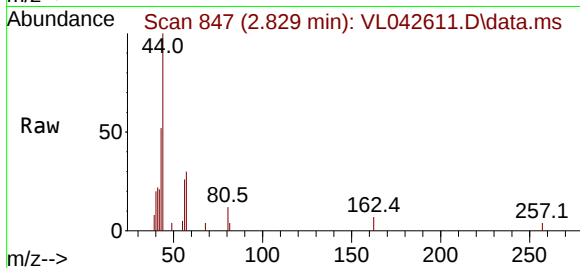
Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 43 Resp: 469

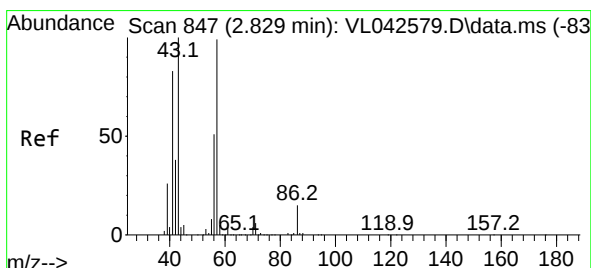
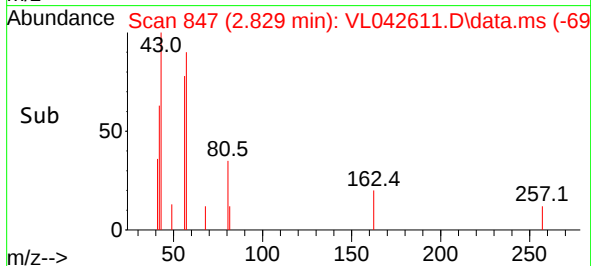
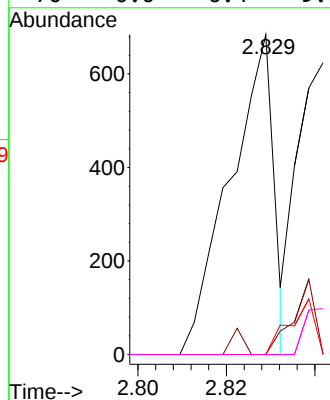
Ion Ratio Lower Upper

43 100

45 0.0 8.2 12.2#

61 0.0 7.1 10.7#

70 0.0 6.4 9.6#



#26

Hexane

Concen: 0.037 ppbv

RT: 2.822 min Scan# 845

Delta R.T. -0.007 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Tgt Ion: 57 Resp: 534

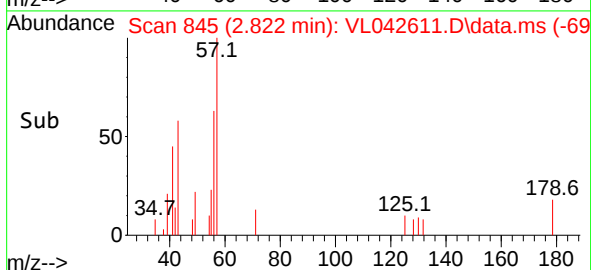
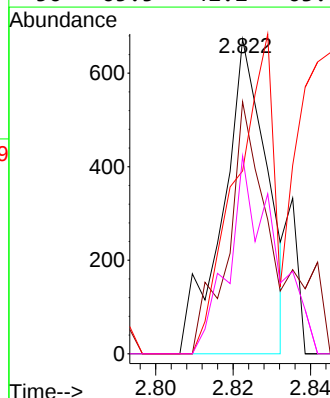
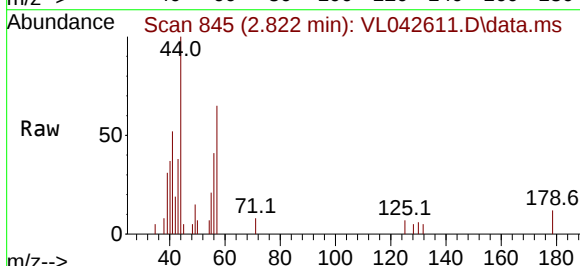
Ion Ratio Lower Upper

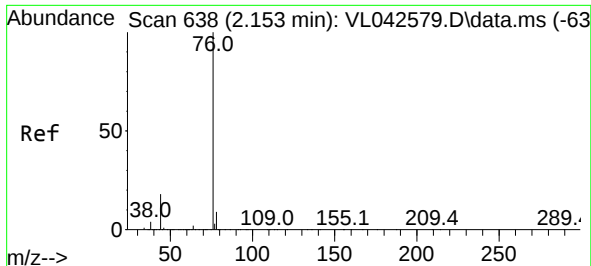
57 100

41 94.6 70.6 106.0

43 0.0 181.1 271.7#

56 65.5 42.2 63.4#

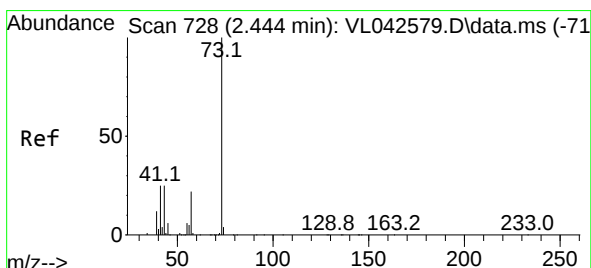
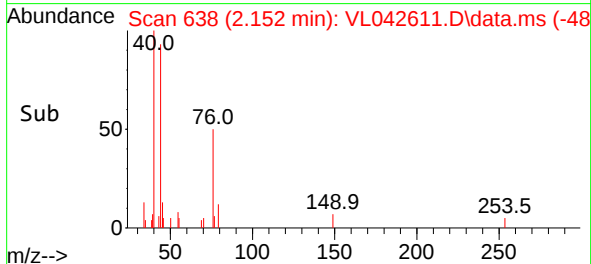
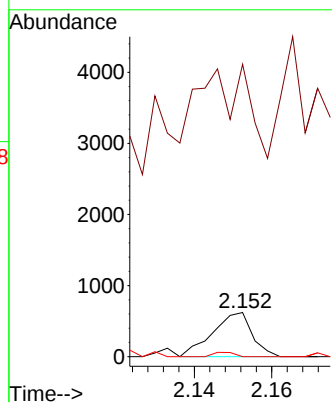
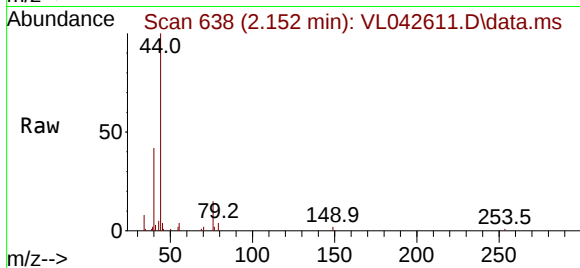




#27
Carbon Disulfide
Concen: 0.040 ppbv
RT: 2.152 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

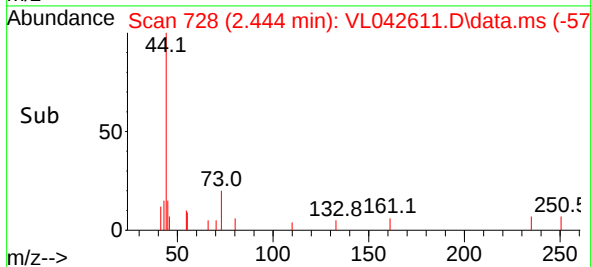
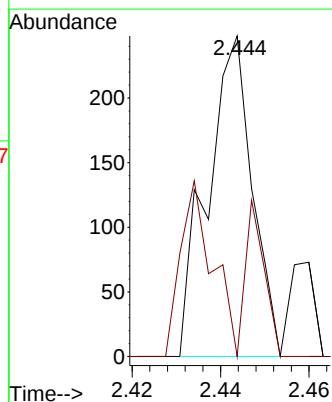
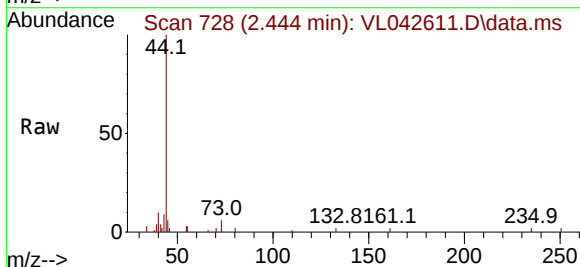
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

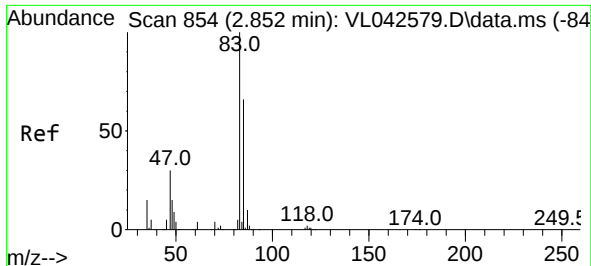
Tgt Ion: 76 Resp: 443
Ion Ratio Lower Upper
76 100
44 1025.1 21.3 31.9#
78 5.2 9.4 14.0#



#28
Methyl tert-Butyl Ether
Concen: 0.030 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 73 Resp: 175
Ion Ratio Lower Upper
73 100
57 59.4 19.9 29.9#





#29

Chloroform

Concen: 0.046 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

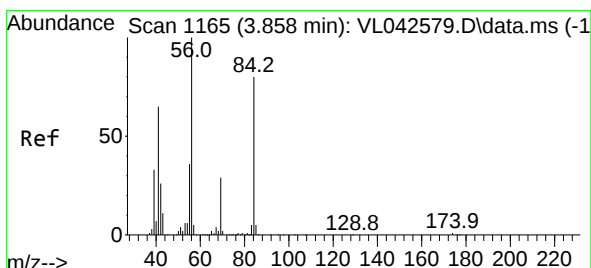
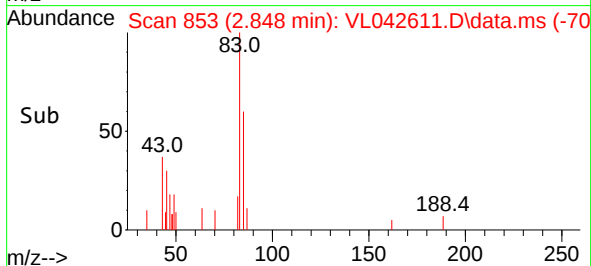
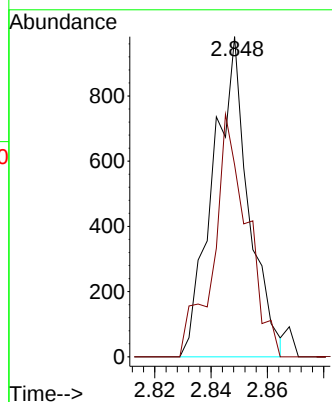
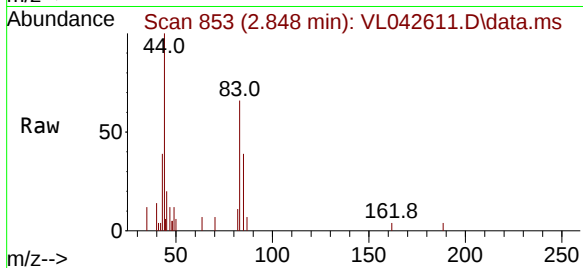
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 83 Resp: 864

Ion Ratio Lower Upper

83 100

85 60.0 52.8 79.2



#30

Cyclohexane

Concen: 0.007 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

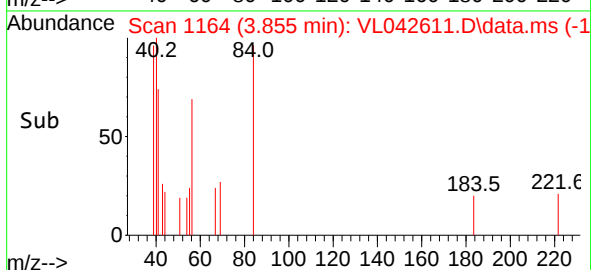
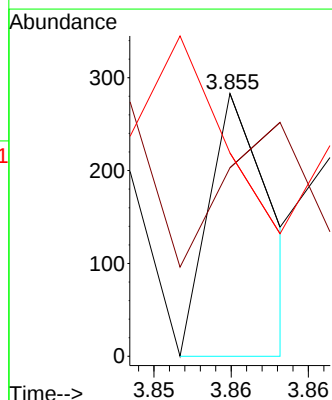
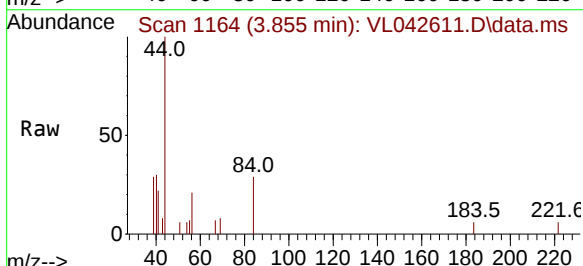
Tgt Ion: 84 Resp: 82

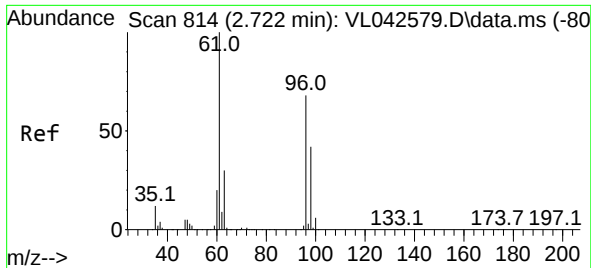
Ion Ratio Lower Upper

84 100

56 0.0 103.7 155.5#

41 540.2 65.1 97.7#

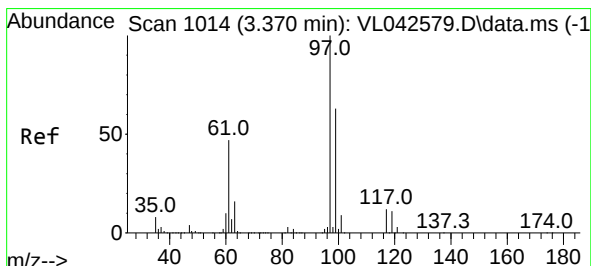
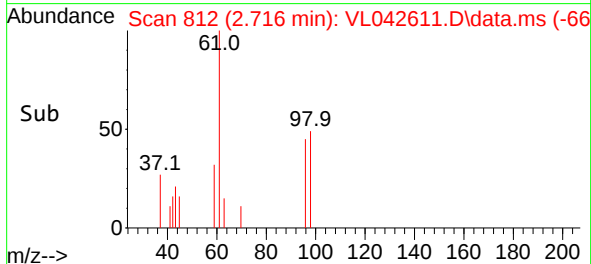
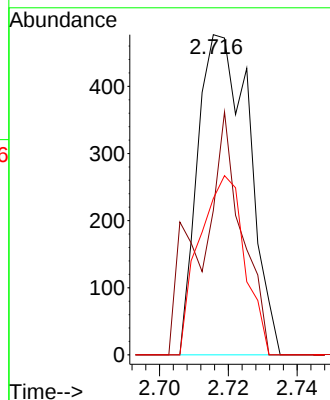
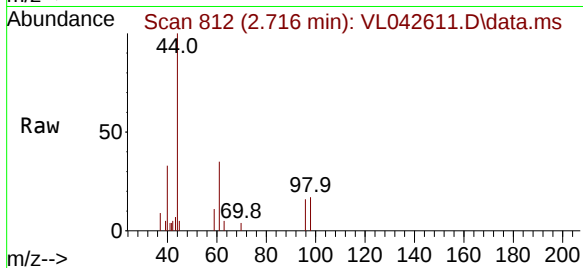




#31
 cis-1,2-Dichloroethene
 Concen: 0.037 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

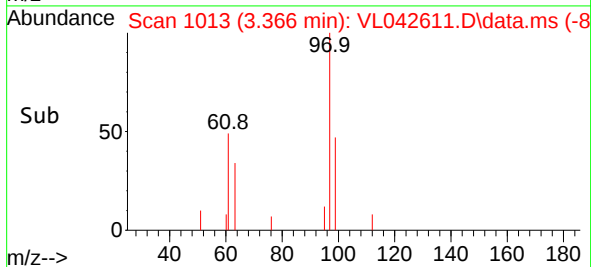
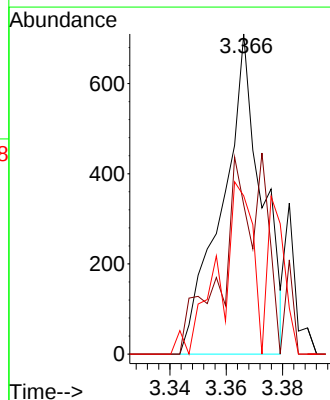
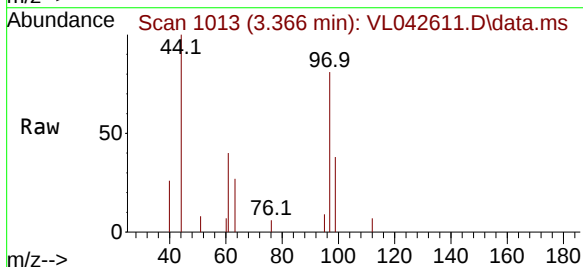
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 61 Resp: 493
 Ion Ratio Lower Upper
 61 100
 96 45.1 54.5 81.7#
 98 48.8 33.4 50.2



#32
 1,1,1-Trichloroethane
 Concen: 0.036 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion: 97 Resp: 691
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.6#
 61 65.7 39.4 59.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.958 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

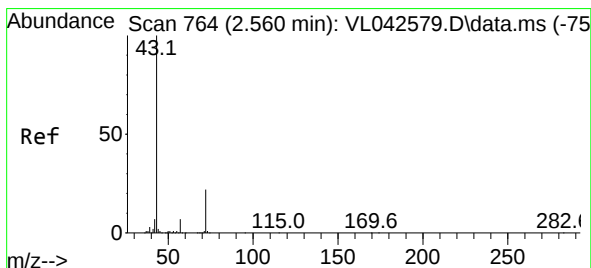
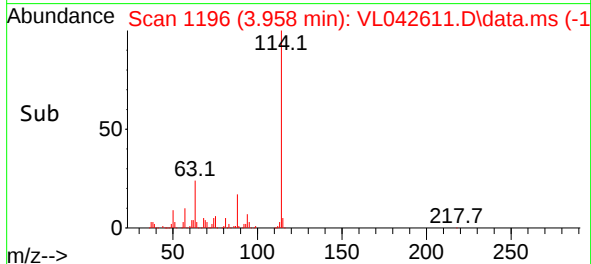
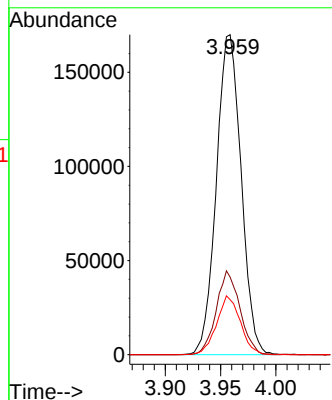
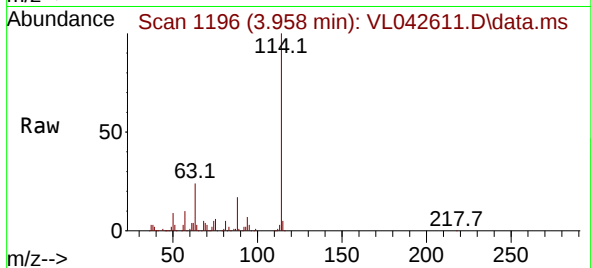
Tgt Ion:114 Resp: 264710

Ion Ratio Lower Upper

114 100

63 25.1 19.0 28.6

88 17.6 13.6 20.4



#34

2-Butanone

Concen: 0.045 ppbv

RT: 2.563 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042611.D

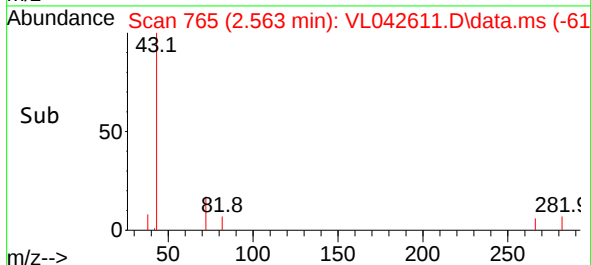
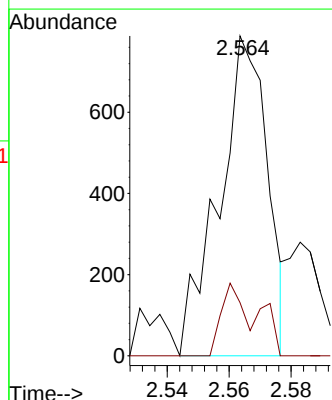
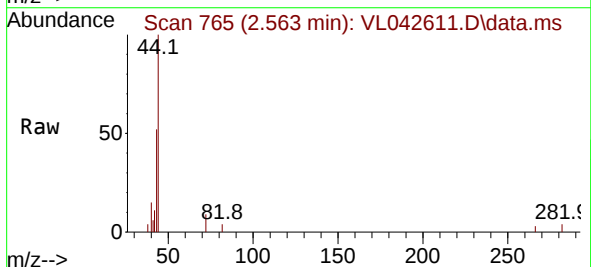
Acq: 03 Jun 2025 15:12

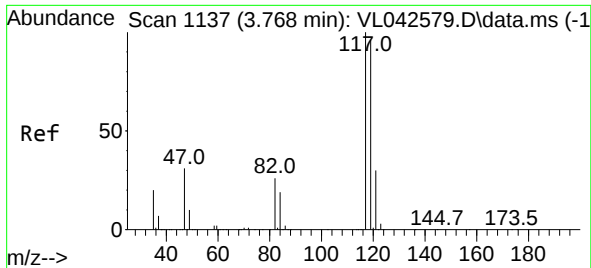
Tgt Ion: 43 Resp: 854

Ion Ratio Lower Upper

43 100

72 16.3 17.7 26.5#

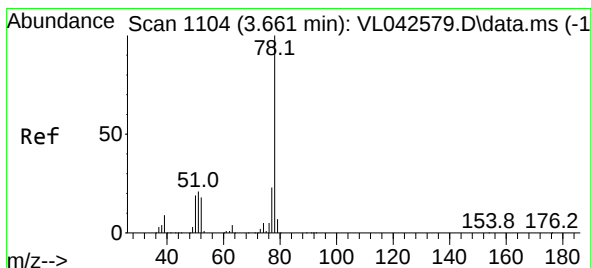
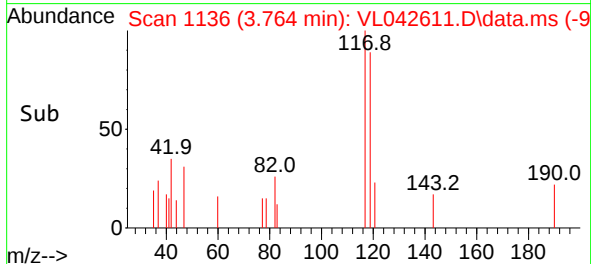
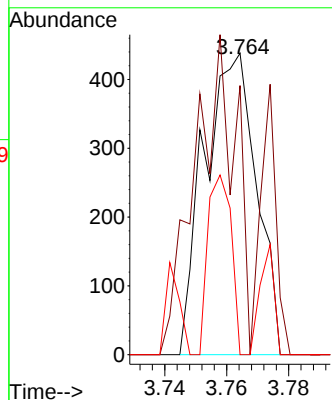
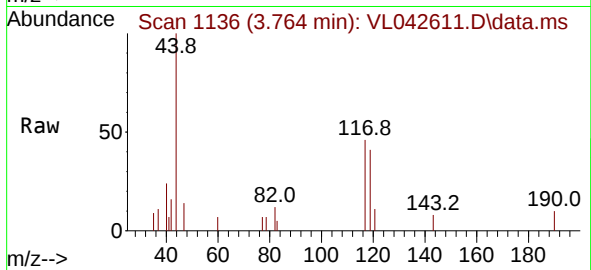




#35
Carbon Tetrachloride
Concen: 0.029 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

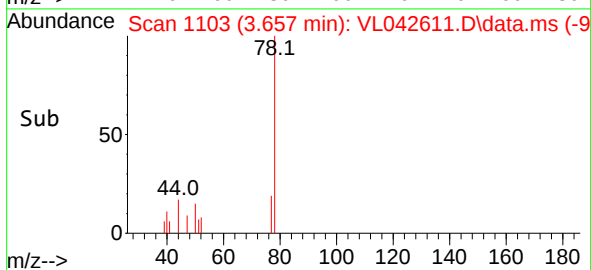
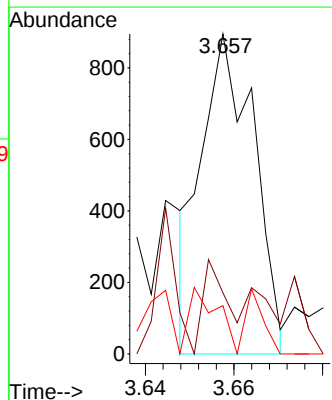
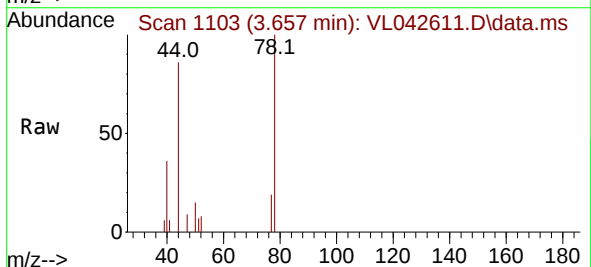
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

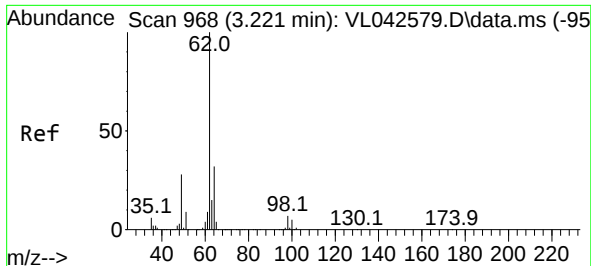
Tgt Ion:117 Resp: 513
Ion Ratio Lower Upper
117 100
119 70.3 76.8 115.2#
121 0.0 24.3 36.5#



#36
Benzene
Concen: 0.028 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 78 Resp: 737
Ion Ratio Lower Upper
78 100
77 10.6 18.2 27.2#
50 16.3 15.2 22.8

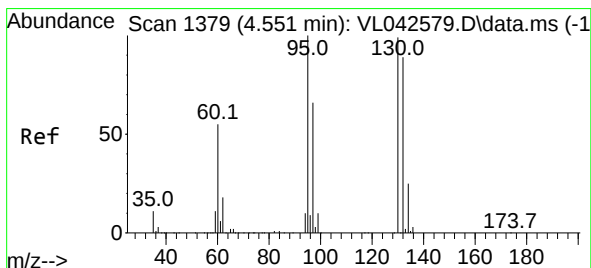
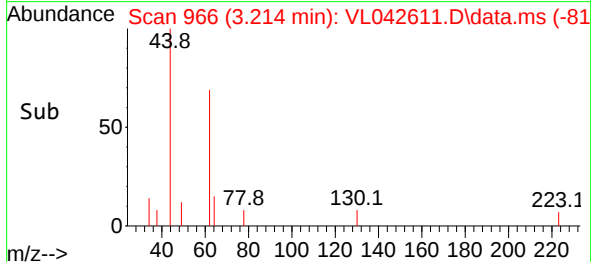
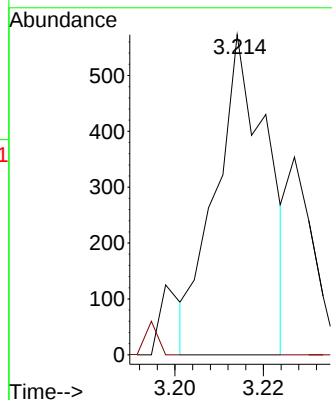
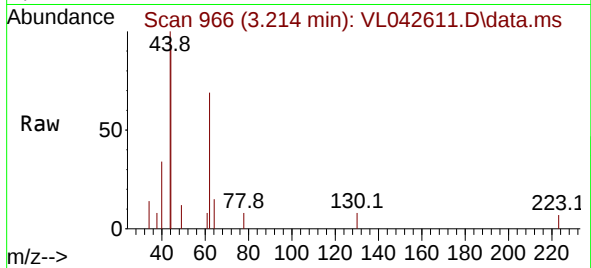




#37
1,2-Dichloroethane
Concen: 0.036 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

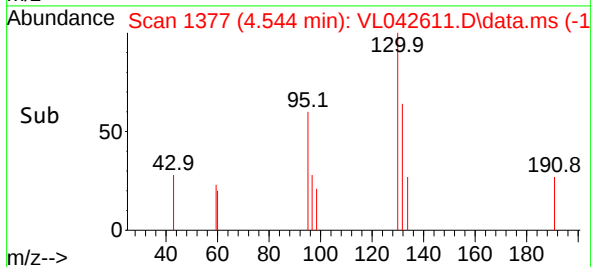
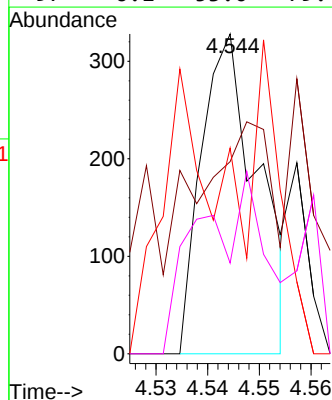
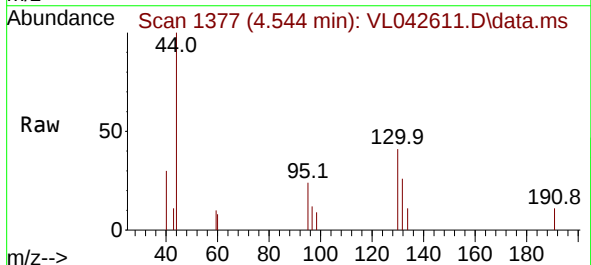
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

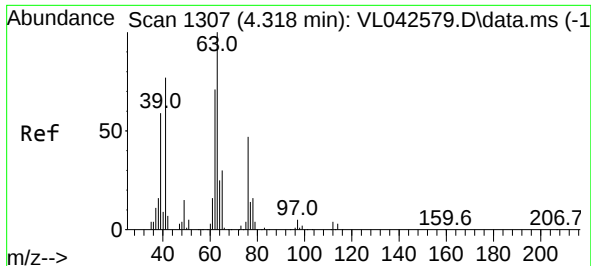
Tgt Ion: 62 Resp: 463
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#



#38
Trichloroethene
Concen: 0.023 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion:130 Resp: 250
Ion Ratio Lower Upper
130 100
95 26.8 80.6 121.0#
132 13.1 71.8 107.6#
97 6.1 53.0 79.4#





#39

1,2-Dichloropropane

Concen: 6.810 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.363 min

Lab File: VL042611.D

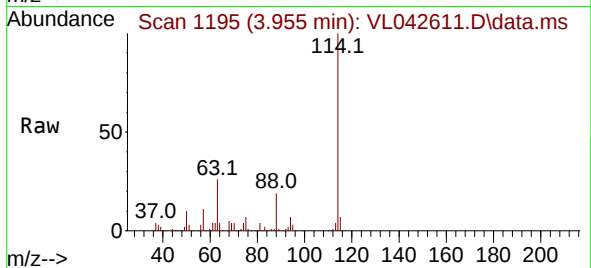
Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



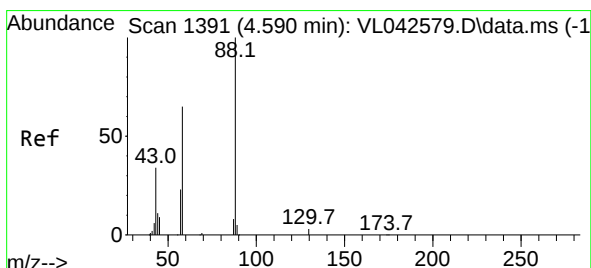
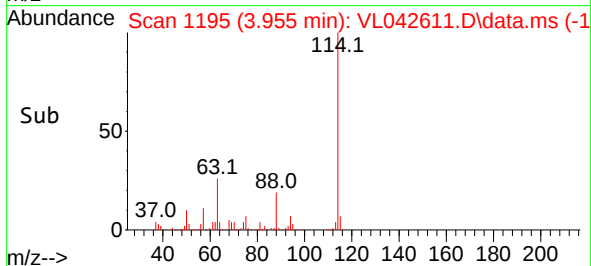
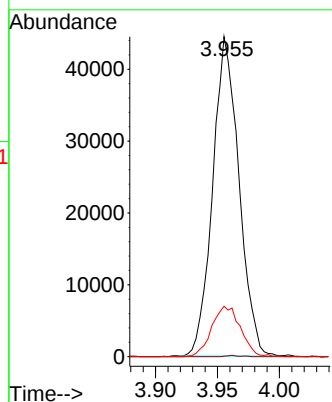
Tgt Ion: 63 Resp: 65649

Ion Ratio Lower Upper

63 100

41 0.1 61.8 92.6#

62 15.8 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.010 ppbv

RT: 4.327 min Scan# 1310

Delta R.T. -0.262 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Tgt Ion: 88 Resp: 43

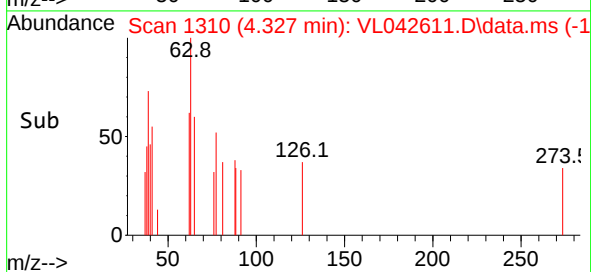
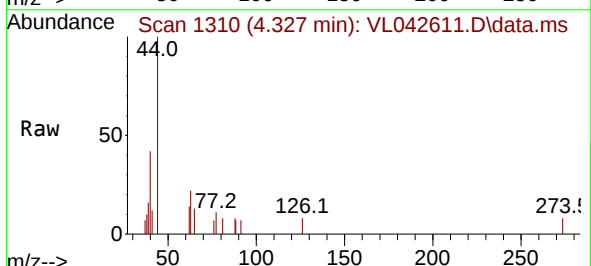
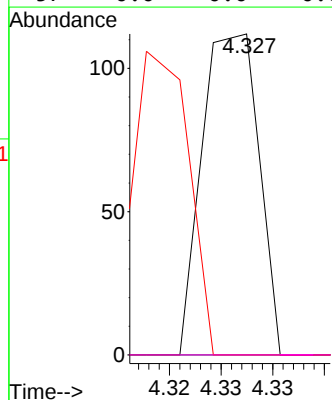
Ion Ratio Lower Upper

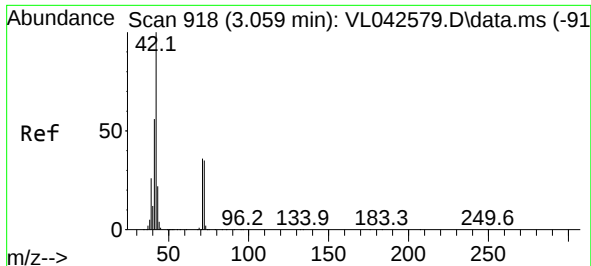
88 100

58 0.0 55.8 83.8#

43 90.7 24.8 37.2#

57 0.0 0.0 0.0

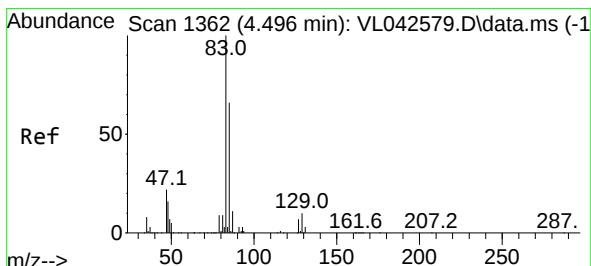
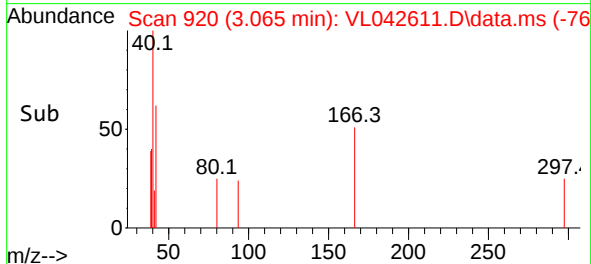
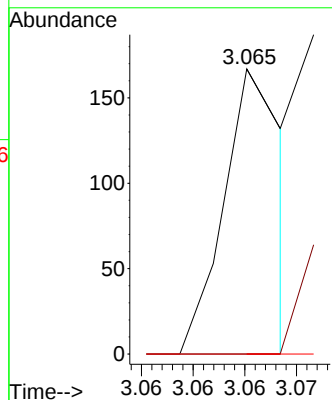
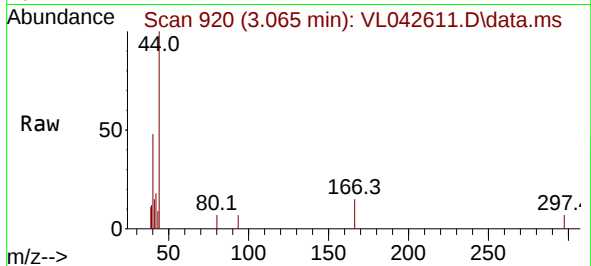




#41
Tetrahydrofuran
Concen: 0.006 ppbv
RT: 3.065 min Scan# 918
Delta R.T. 0.006 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

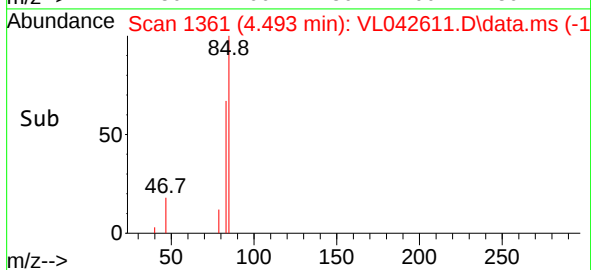
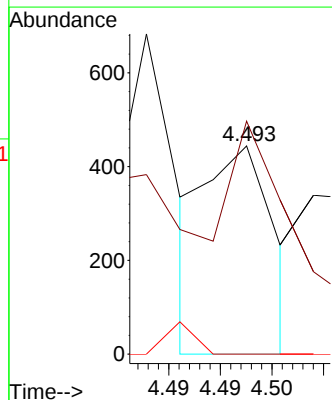
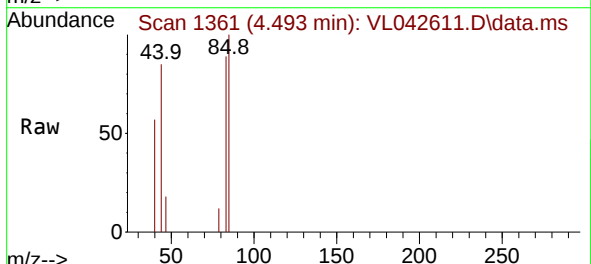
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

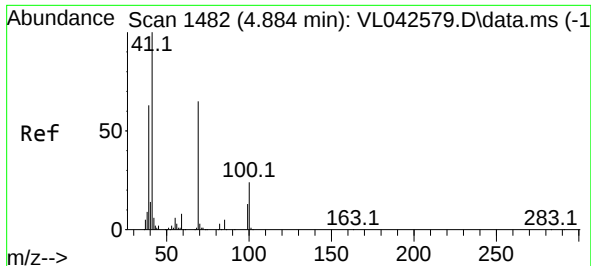
Tgt Ion: 42 Resp: 68
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 28.5 42.7#



#42
Bromodichloromethane
Concen: 0.011 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 83 Resp: 204
Ion Ratio Lower Upper
83 100
85 109.5 52.7 79.1#
127 0.0 5.8 8.6#

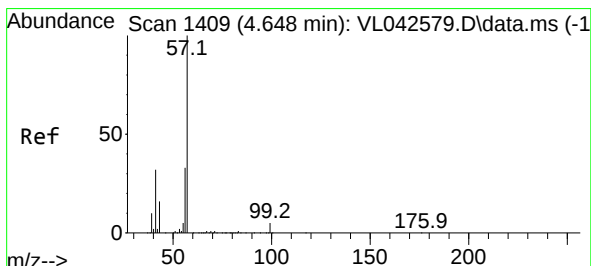
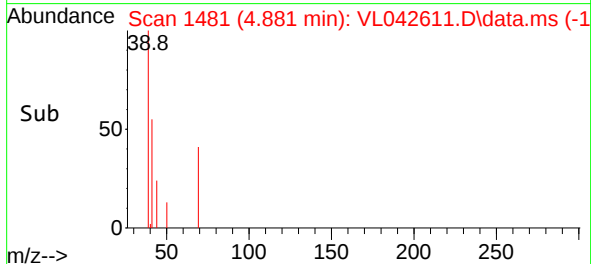
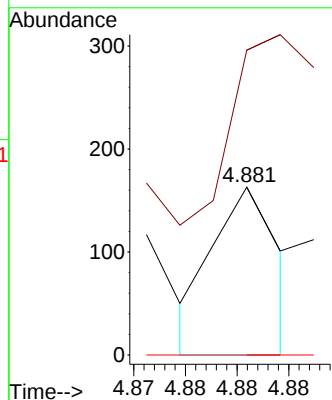
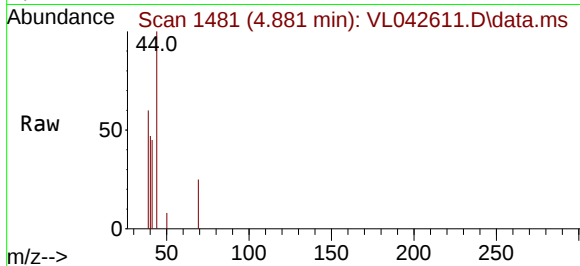




#43
Methyl Methacrylate
Concen: 0.007 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

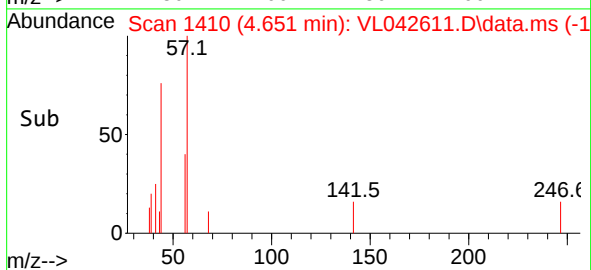
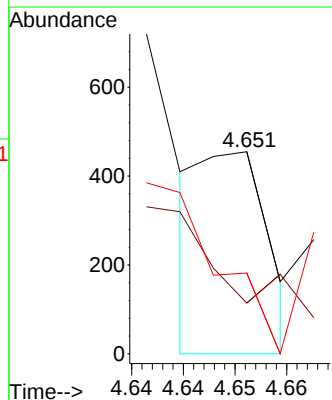
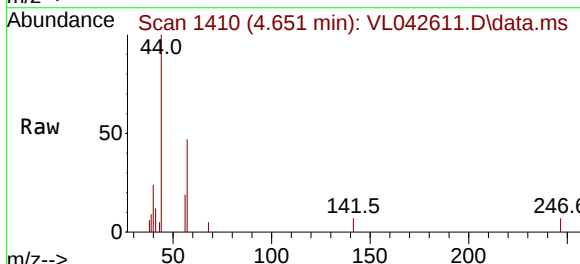
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

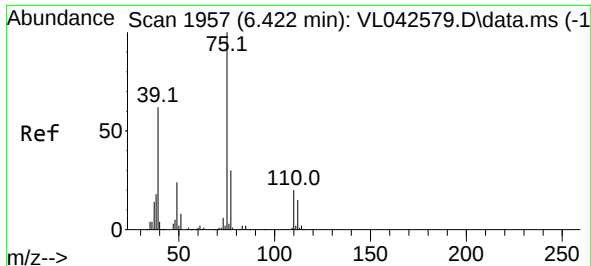
Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 0.0 124.6 187.0#
100 0.0 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 0.005 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 57 Resp: 206
Ion Ratio Lower Upper
57 100
41 0.0 26.1 39.1#
56 278.6 25.9 38.9#

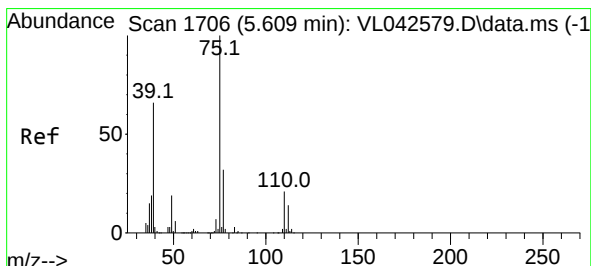
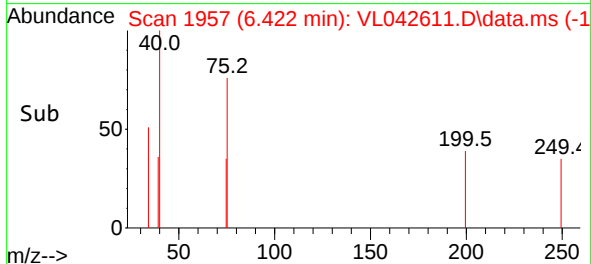
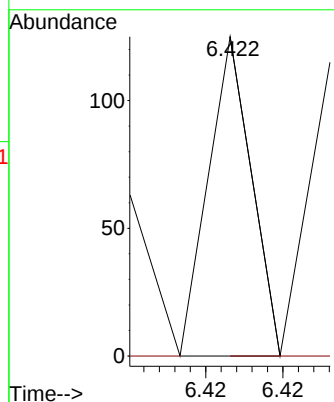
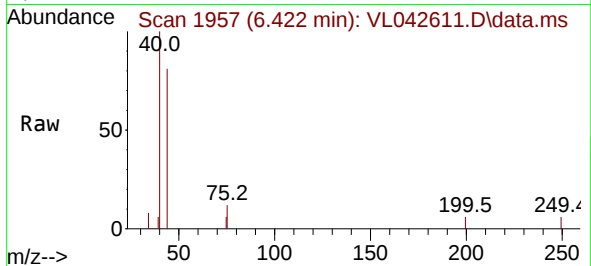




#45
 t-1,3-Dichloropropene
 Concen: 0.002 ppbv
 RT: 6.422 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

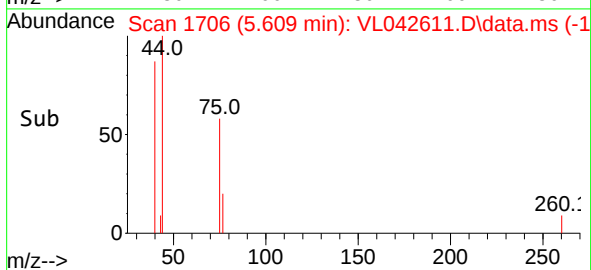
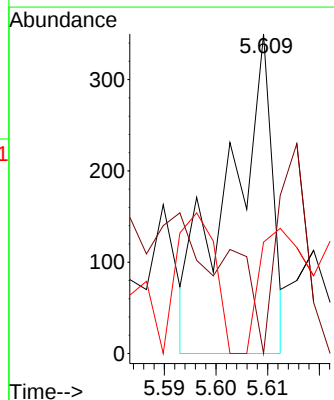
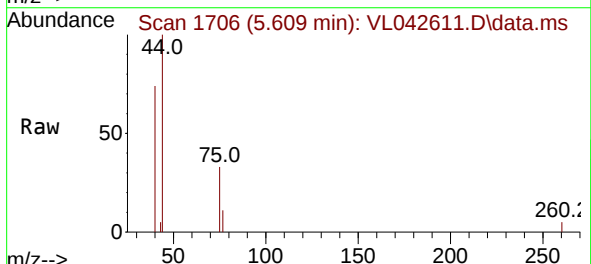
Instrument : MSVOA_L
 ClientSampleId : LOD-MDL-AIR-01-QT2-2025

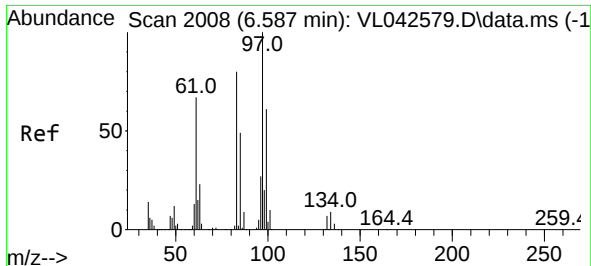
Tgt Ion: 75 Resp: 24
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#



#46
 cis-1,3-Dichloropropene
 Concen: 0.014 ppbv
 RT: 5.609 min Scan# 1706
 Delta R.T. -0.000 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion: 75 Resp: 208
 Ion Ratio Lower Upper
 75 100
 39 0.0 52.7 79.1#
 77 0.0 25.8 38.8#





#47

1,1,2-Trichloroethane

Concen: 0.016 ppbv

RT: 6.583 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VL042611.D

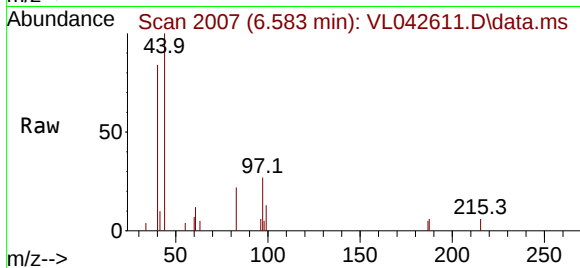
Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 97 Resp: 156

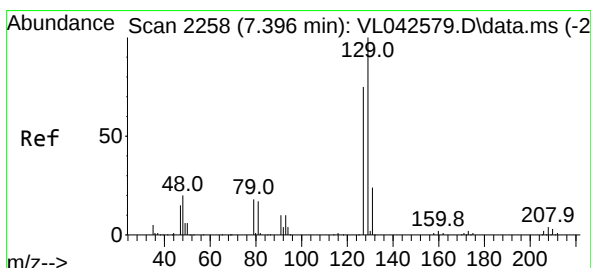
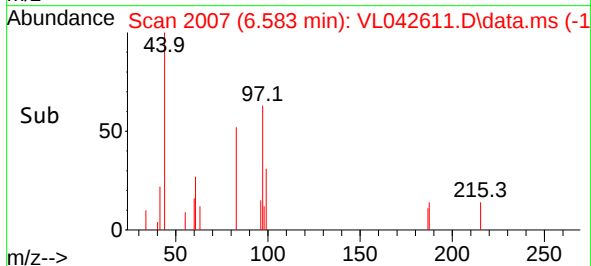
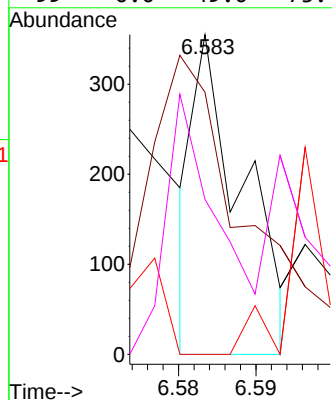
Ion Ratio Lower Upper

97 100

83 60.5 63.9 95.9#

85 0.0 39.2 58.8#

99 0.0 49.0 73.4#



#48

Dibromochloromethane

Concen: 0.016 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VL042611.D

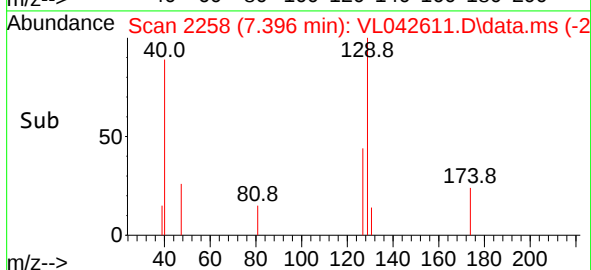
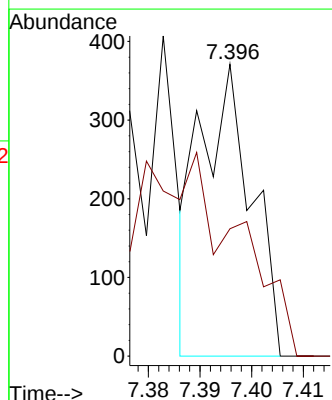
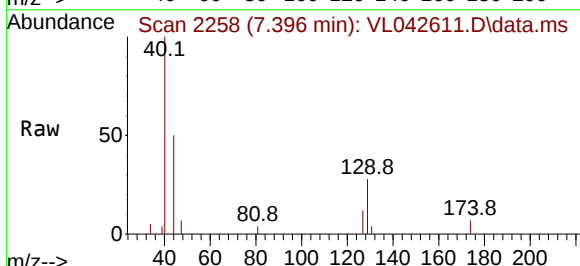
Acq: 03 Jun 2025 15:12

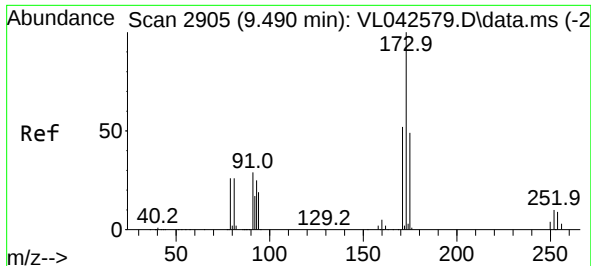
Tgt Ion: 129 Resp: 254

Ion Ratio Lower Upper

129 100

127 142.9 39.0 116.9#





#49

Bromoform

Concen: 0.013 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. -0.003 min

Lab File: VL042611.D

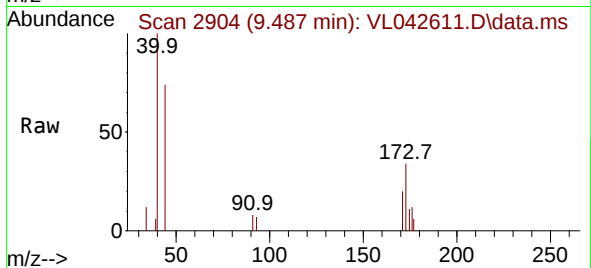
Acq: 03 Jun 2025 15:12

Instrument :

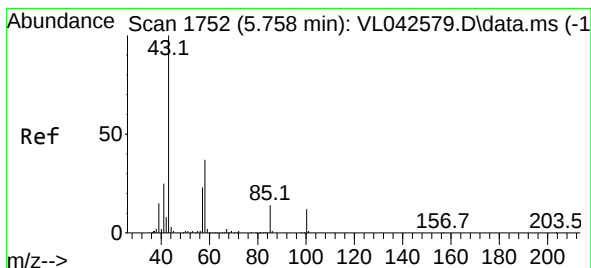
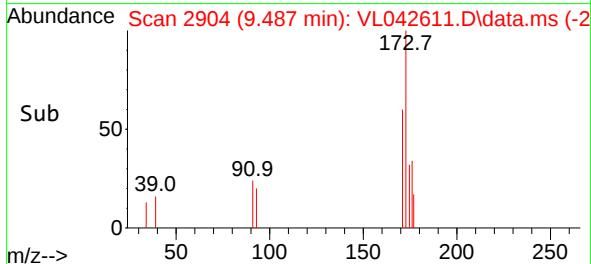
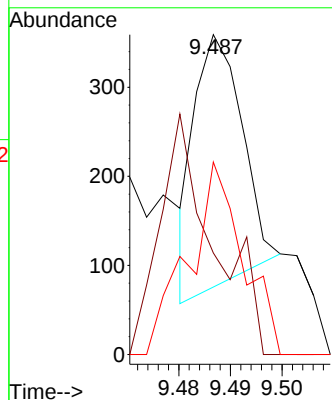
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



Tgt Ion:173	Resp:	183
Ion	Ratio	Lower Upper
173	100	
175	106.0	38.7 58.1#
171	86.3	41.2 61.8#



#50

4-Methyl-2-Pentanone

Concen: 0.005 ppbv

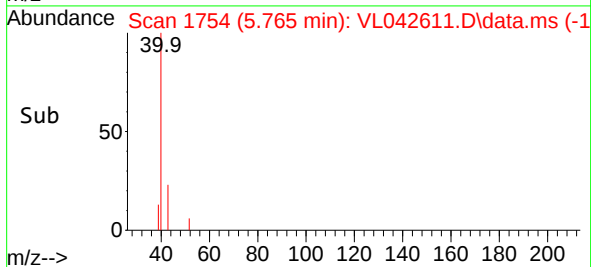
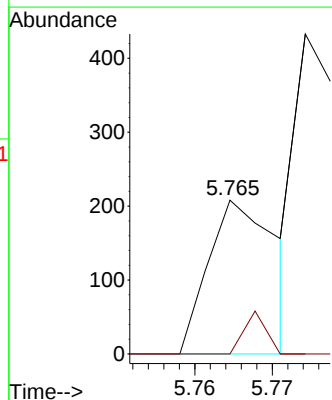
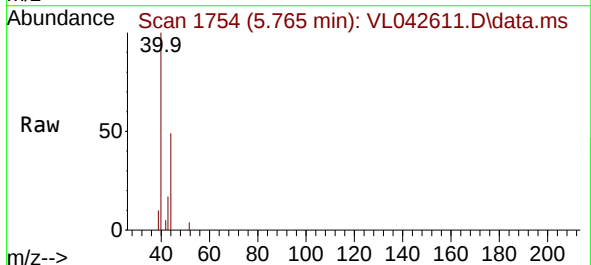
RT: 5.765 min Scan# 1754

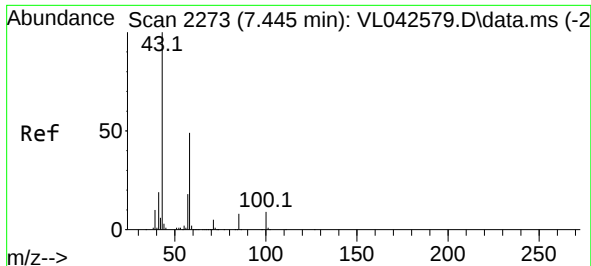
Delta R.T. 0.006 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Tgt Ion: 43	Resp:	127
Ion	Ratio	Lower Upper
43	100	
58	8.7	28.3 42.5#

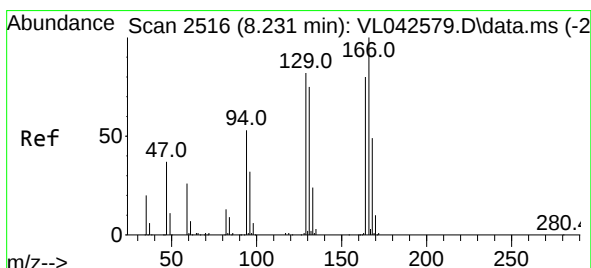
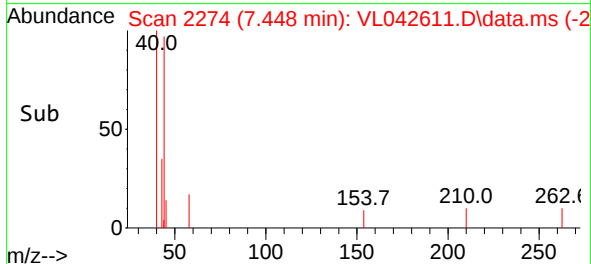
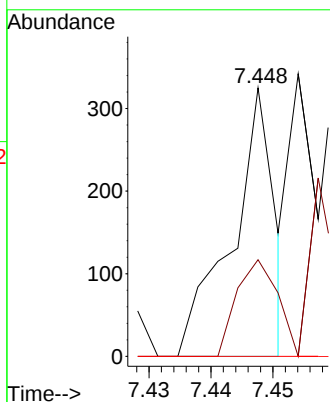
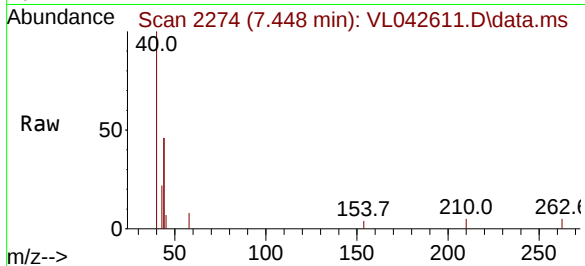




#51
2-Hexanone
Concen: 0.008 ppbv
RT: 7.448 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

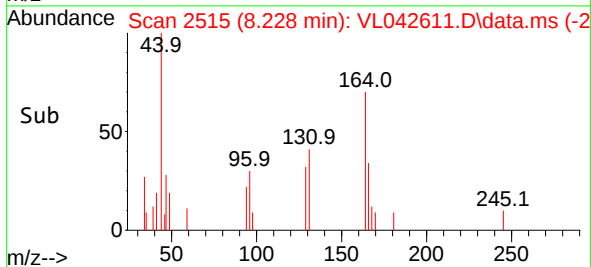
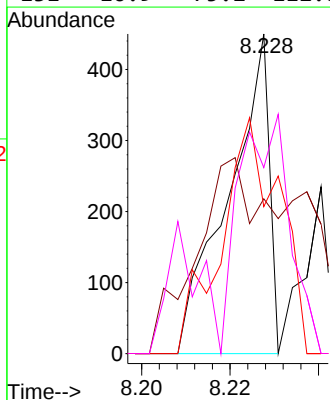
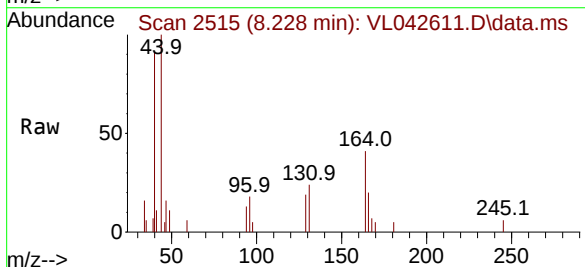
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

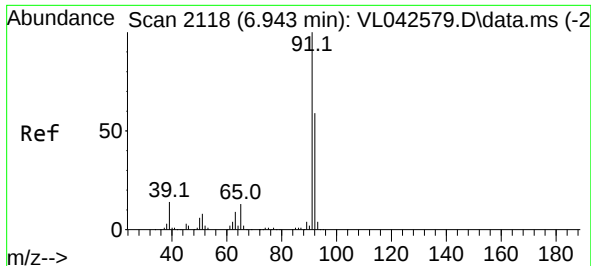
Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 34.6 39.9 59.9#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.029 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 164 Resp: 284
Ion Ratio Lower Upper
164 100
166 31.6 100.0 150.0#
129 46.0 82.2 123.4#
131 16.9 75.2 112.8#

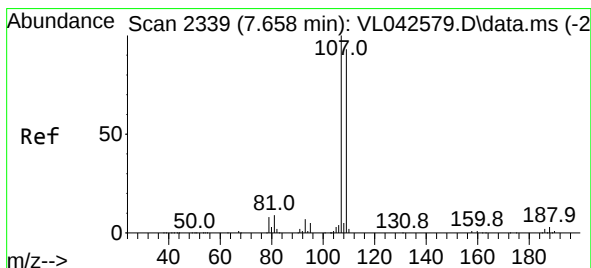
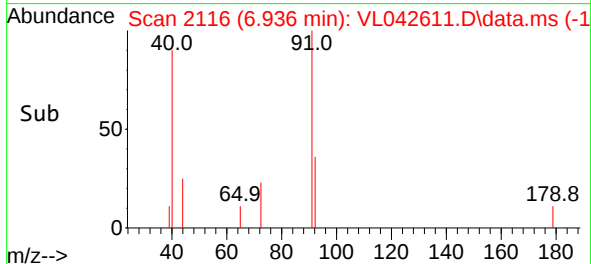
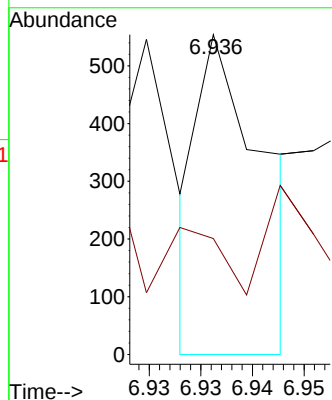
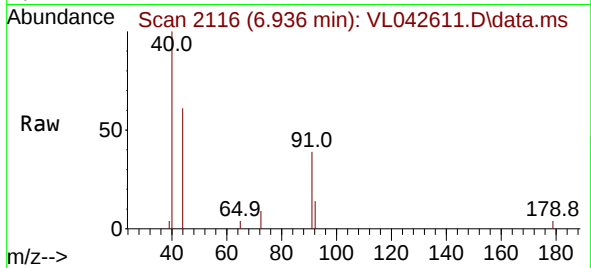




#53
Toluene
Concen: 0.008 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

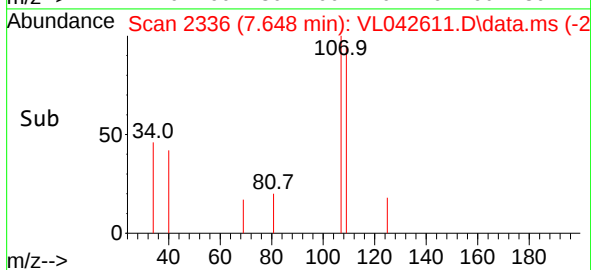
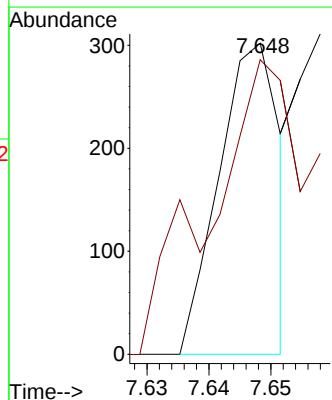
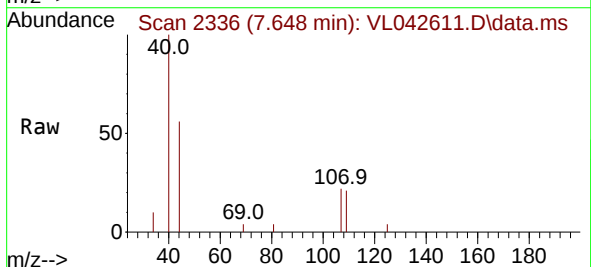
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

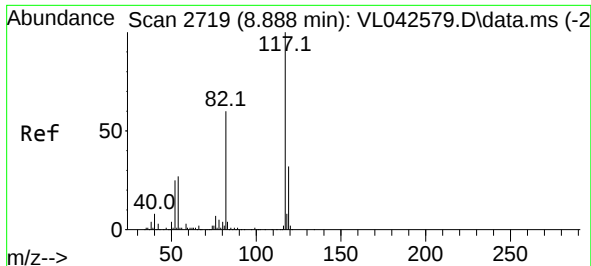
Tgt Ion: 91 Resp: 244
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#



#54
1,2-Dibromoethane
Concen: 0.014 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 107 Resp: 206
Ion Ratio Lower Upper
107 100
109 45.0 74.3 111.5#

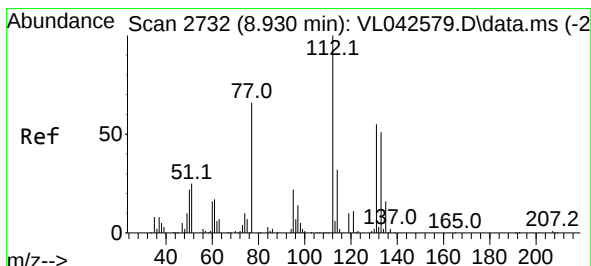
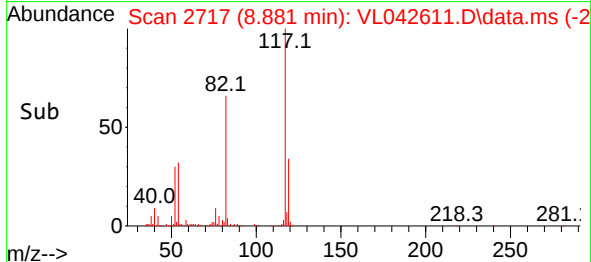
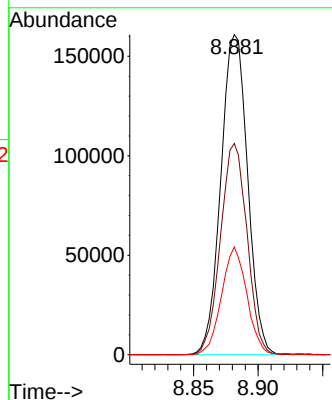
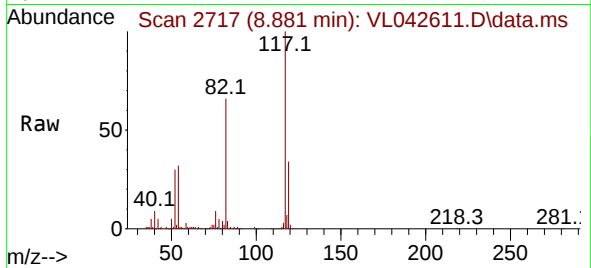




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2719
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

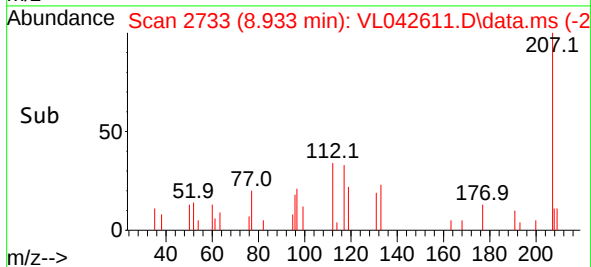
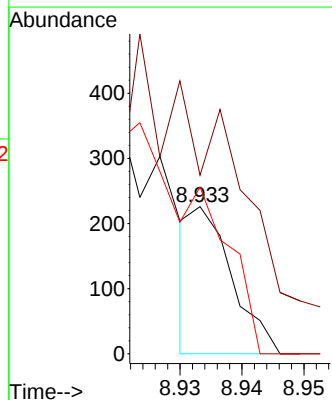
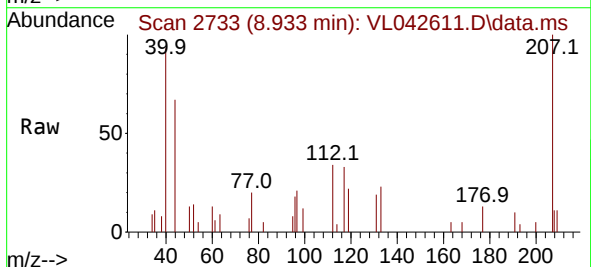
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

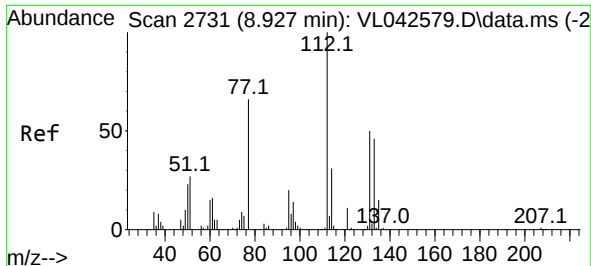
Tgt Ion:117 Resp: 232229
Ion Ratio Lower Upper
117 100
82 65.3 51.2 76.8
119 32.0 26.3 39.5



#56
1,1,1,2-Tetrachloroethane
Concen: 0.009 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion:131 Resp: 103
Ion Ratio Lower Upper
131 100
133 0.0 75.0 112.6#
119 0.0 50.8 76.2#





#57

Chlorobenzene

Concen: 0.033 ppbv

RT: 8.920 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

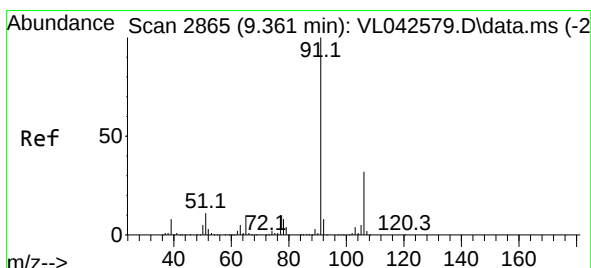
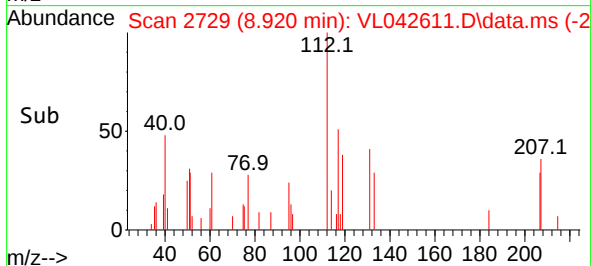
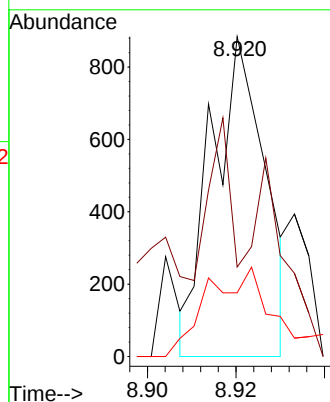
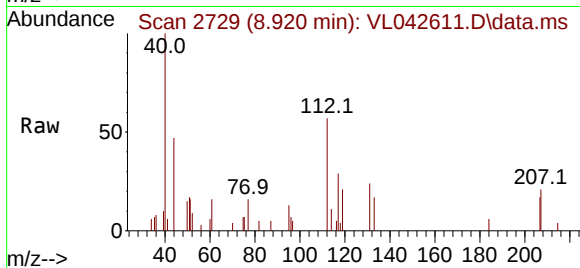
Tgt Ion:112 Resp: 738

Ion Ratio Lower Upper

112 100

77 3.4 53.5 80.3#

114 16.6 27.8 34.0#



#58

Ethyl Benzene

Concen: 0.034 ppbv

RT: 9.354 min Scan# 2863

Delta R.T. -0.007 min

Lab File: VL042611.D

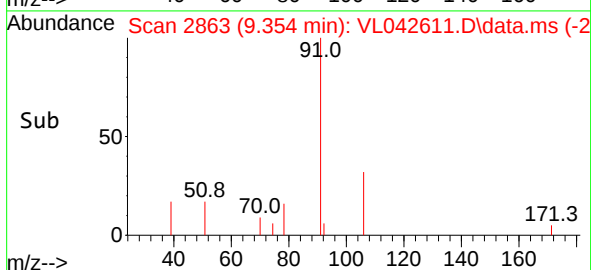
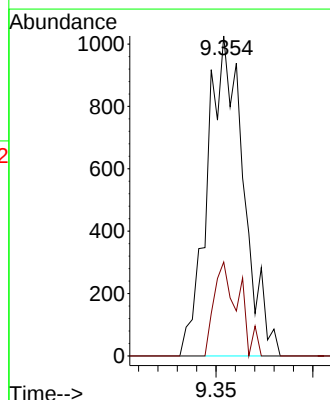
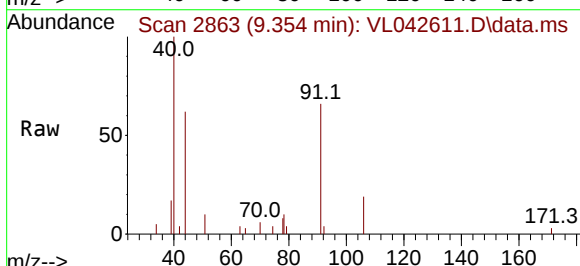
Acq: 03 Jun 2025 15:12

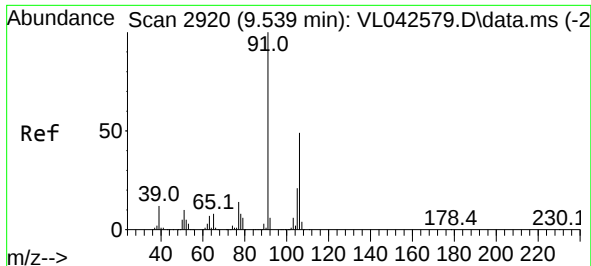
Tgt Ion: 91 Resp: 1332

Ion Ratio Lower Upper

91 100

106 29.3 25.9 38.9





#59

m/p-Xylene

Concen: 0.015 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.007 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

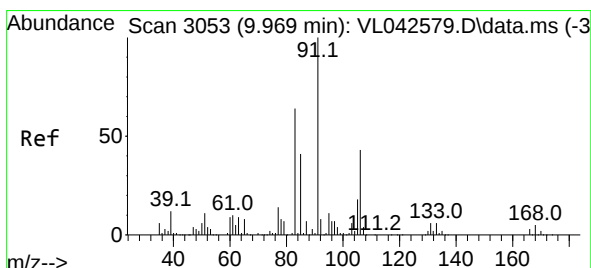
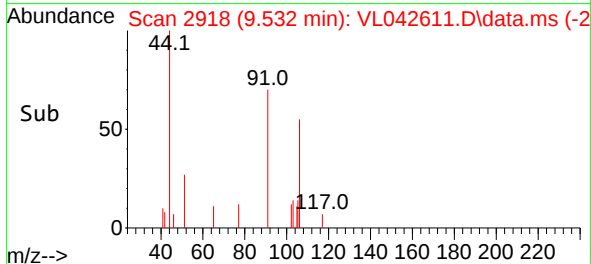
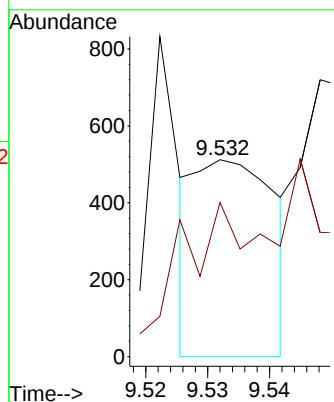
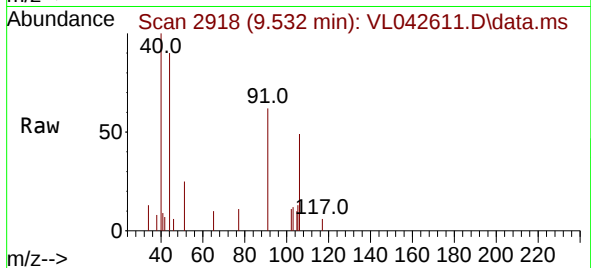
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 91 Resp: 460

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 0.027 ppbv

RT: 9.962 min Scan# 3051

Delta R.T. -0.007 min

Lab File: VL042611.D

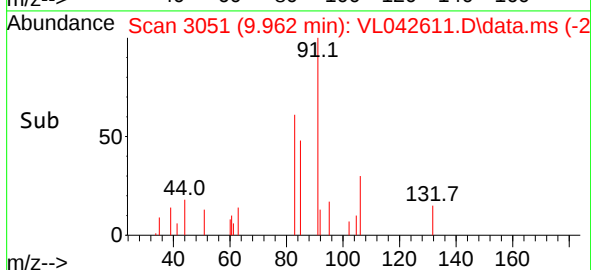
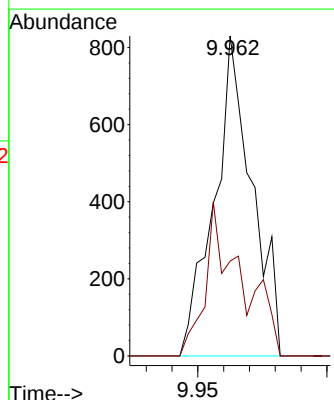
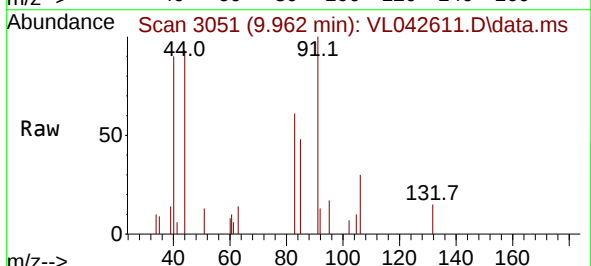
Acq: 03 Jun 2025 15:12

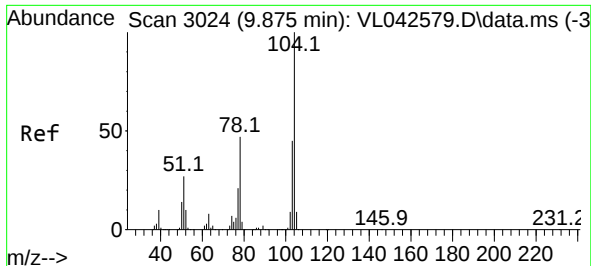
Tgt Ion: 91 Resp: 845

Ion Ratio Lower Upper

91 100

106 45.4 22.9 68.5

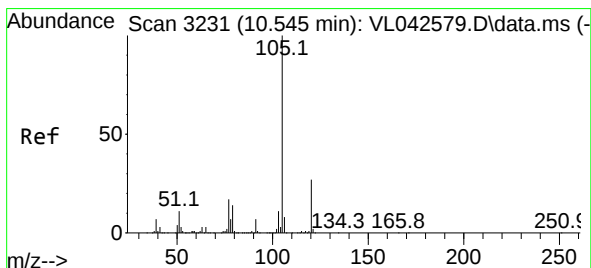
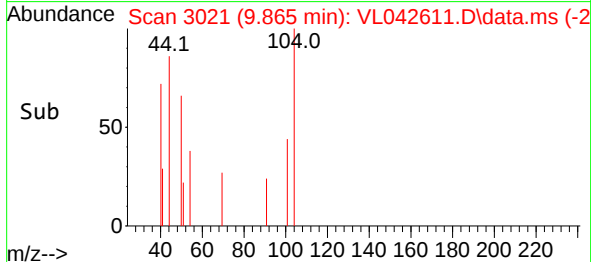
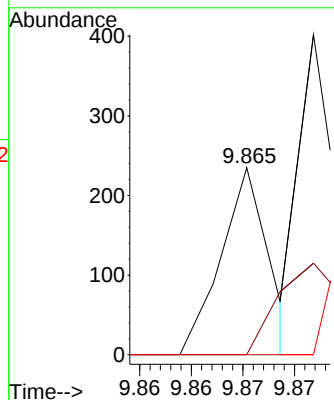
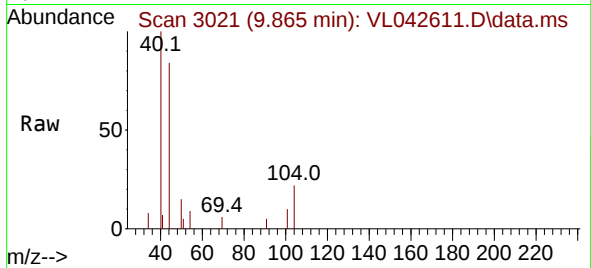




#61
Styrene
Concen: 0.005 ppbv
RT: 9.865 min Scan# 3024
Delta R.T. -0.010 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

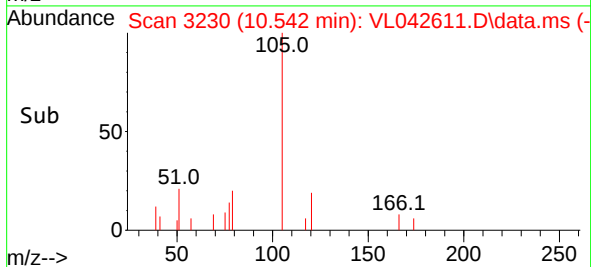
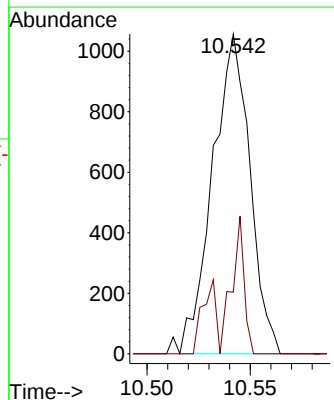
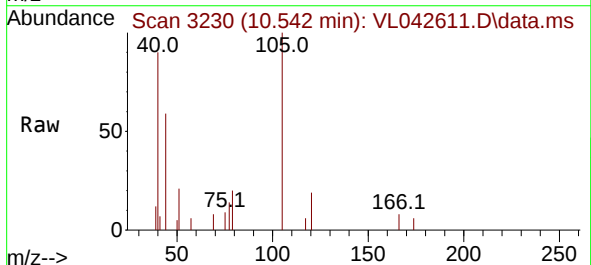
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

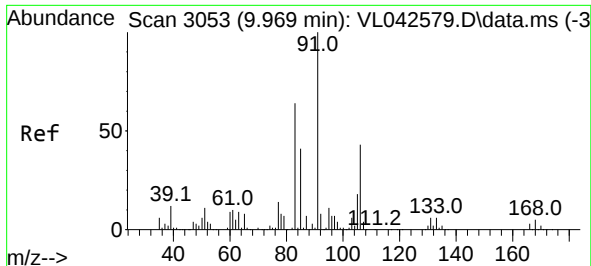
Tgt Ion:104 Resp: 76
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 0.0 36.7 55.1#



#62
Isopropylbenzene
Concen: 0.029 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion:105 Resp: 1327
Ion Ratio Lower Upper
105 100
120 22.5 20.9 31.3

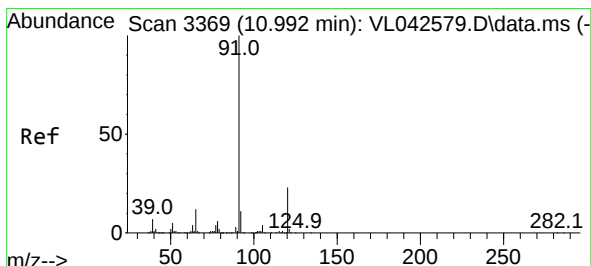
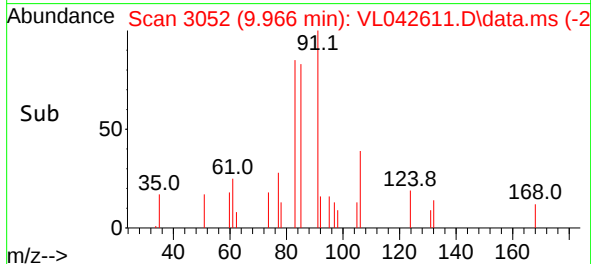
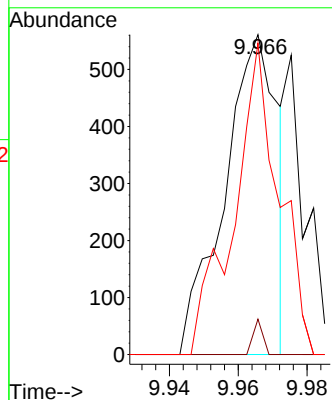
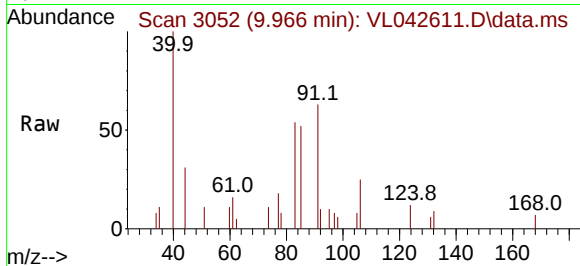




#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

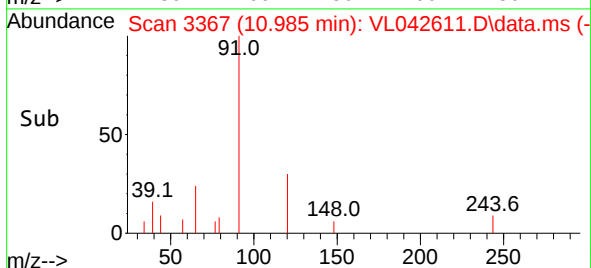
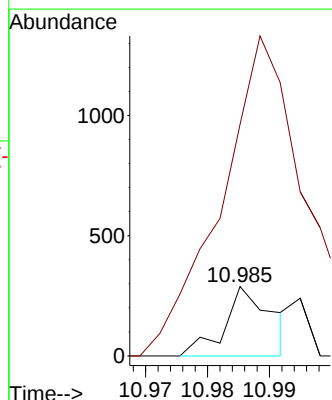
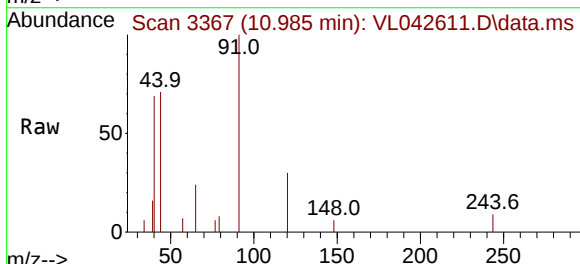
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

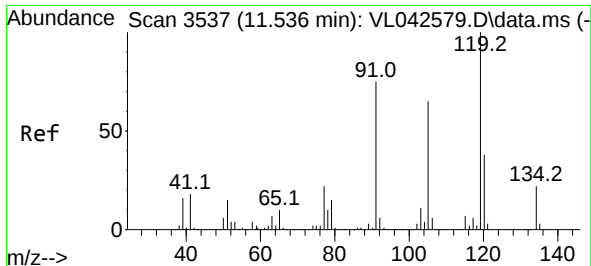
Tgt Ion: 83 Resp: 603
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 82.4 32.5 97.4



#64
n-propylbenzene
Concen: 0.012 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 120 Resp: 153
Ion Ratio Lower Upper
120 100
91 850.3 363.0 544.6#

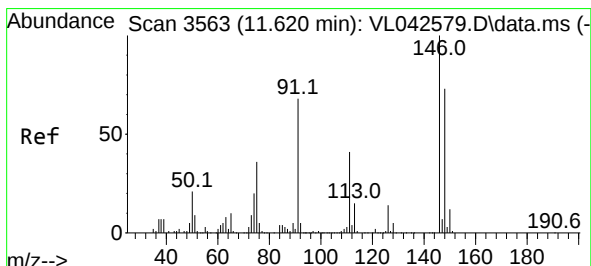
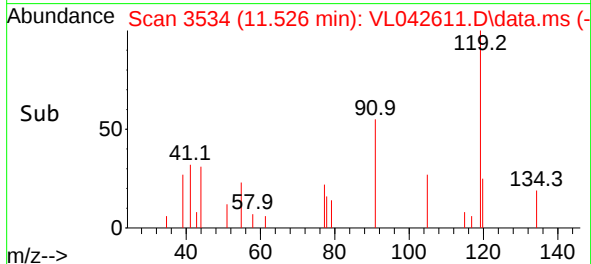
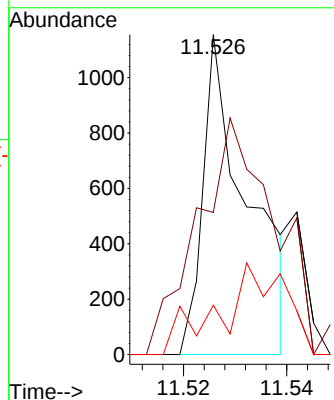
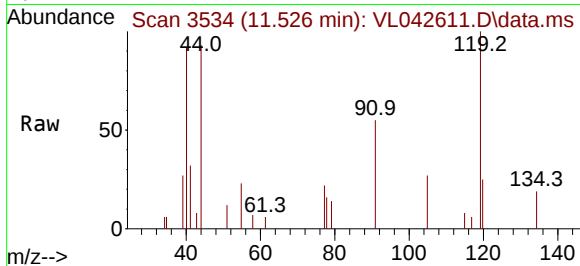




#65
tert-Butylbenzene
Concen: 0.017 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.010 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

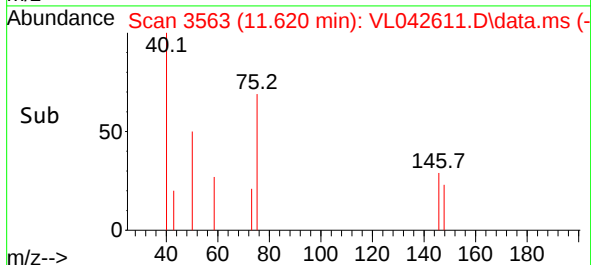
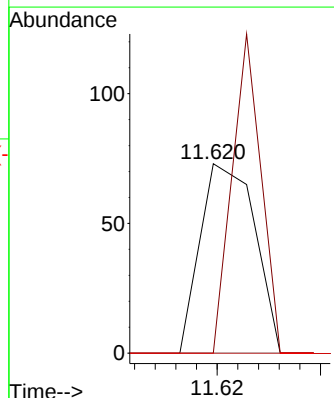
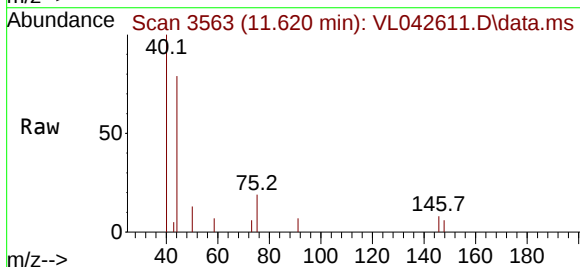
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

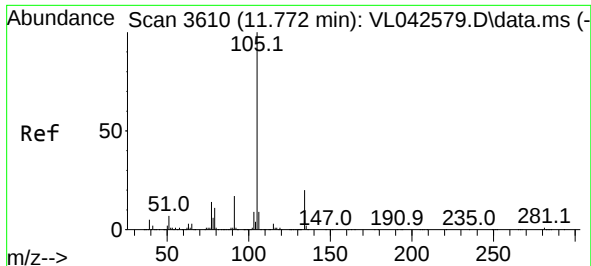
Tgt Ion:119 Resp: 692
Ion Ratio Lower Upper
119 100
91 138.4 61.1 91.7#
134 41.6 17.4 26.2#



#66
Benzyl Chloride
Concen: 0.005 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
126 0.0 15.1 22.7#
128 0.0 5.0 7.6#

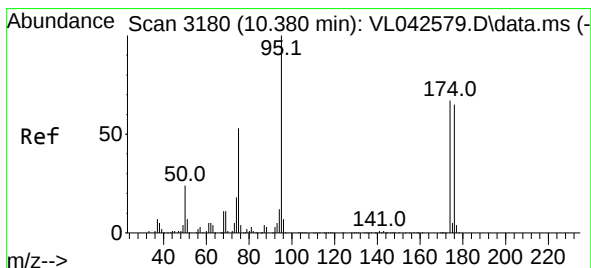
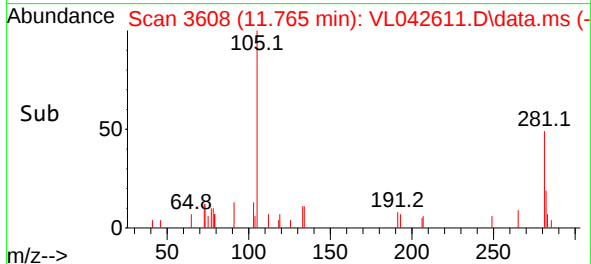
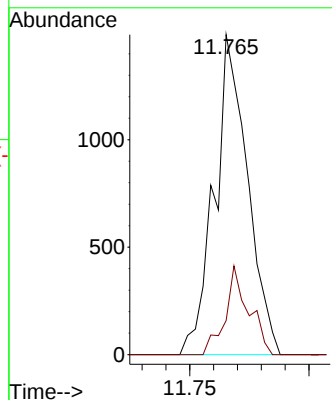
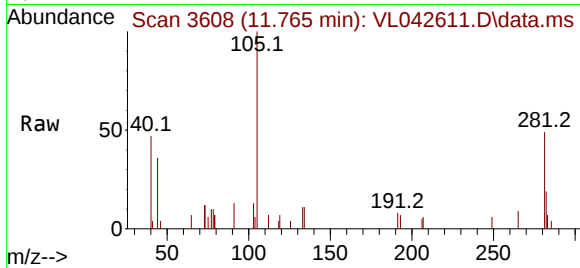




#67
 sec-Butylbenzene
 Concen: 0.025 ppbv
 RT: 11.765 min Scan# 3179
 Delta R.T. -0.007 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

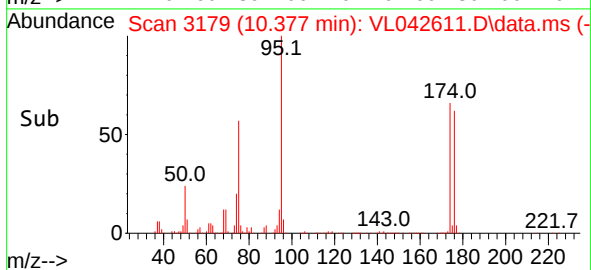
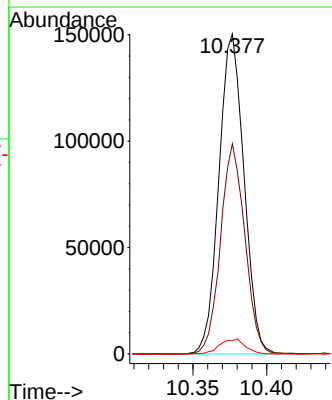
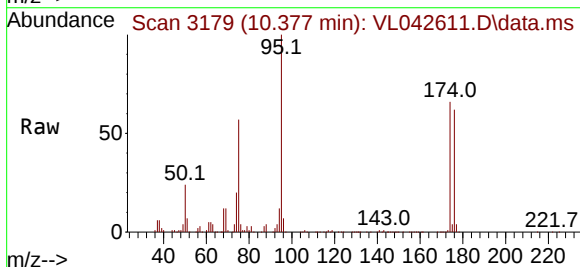
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

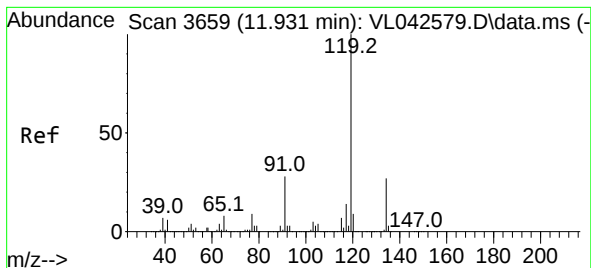
Tgt Ion:105 Resp: 1435
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.208 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion: 95 Resp: 177712
 Ion Ratio Lower Upper
 95 100
 174 63.8 53.1 79.7
 175 4.7 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.021 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

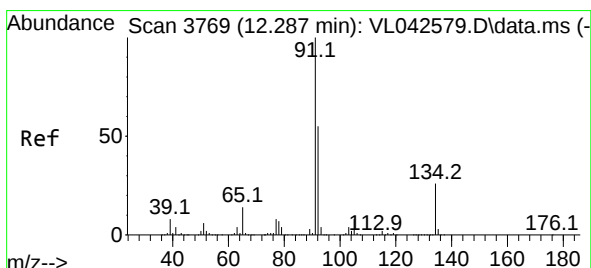
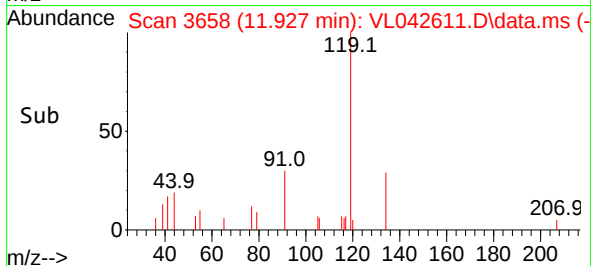
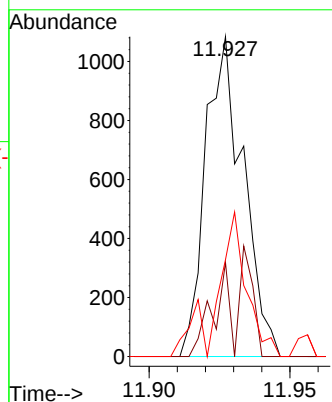
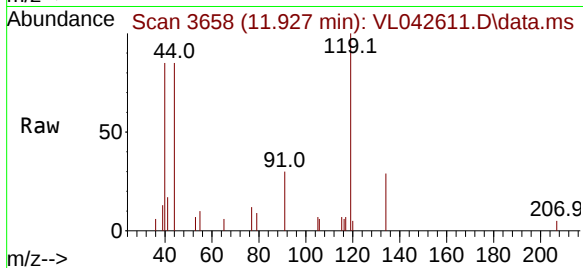
Tgt Ion:119 Resp: 1009

Ion Ratio Lower Upper

119 100

134 24.6 21.1 31.7

91 38.8 21.9 32.9#



#70

n-Butylbenzene

Concen: 0.009 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

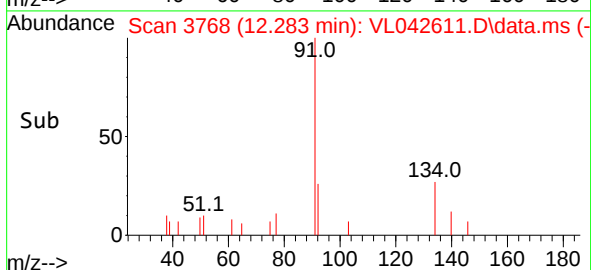
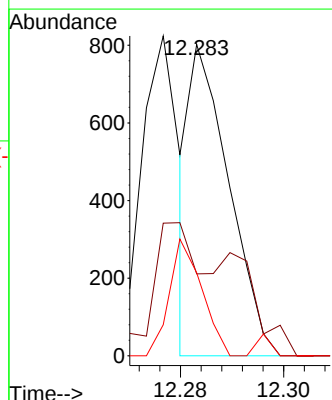
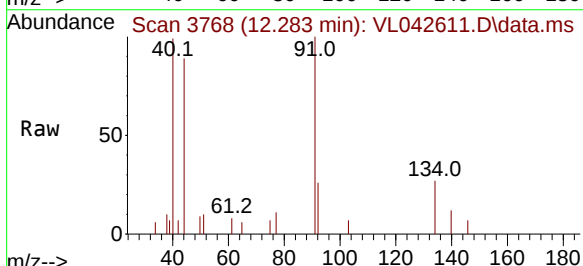
Tgt Ion: 91 Resp: 423

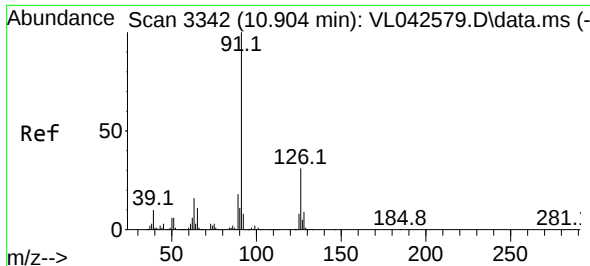
Ion Ratio Lower Upper

91 100

92 85.6 44.4 66.6#

134 33.8 20.1 30.1#

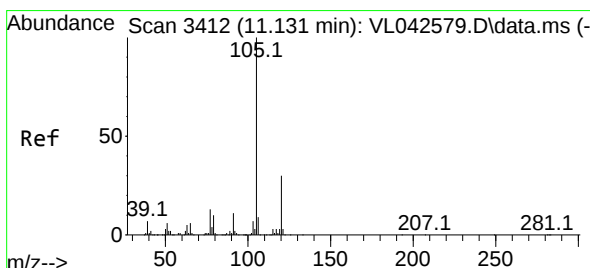
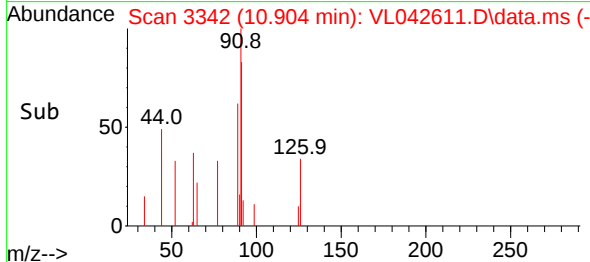
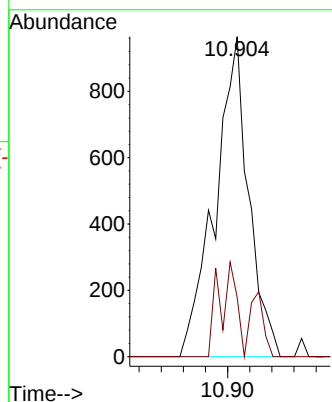
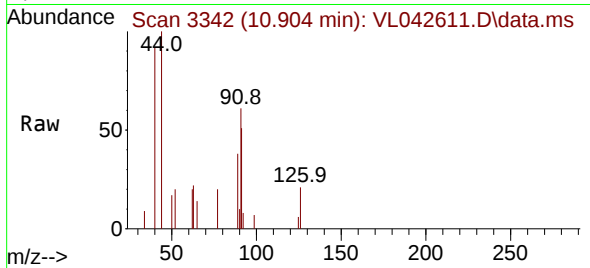




#71
2-Chlorotoluene
Concen: 0.029 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

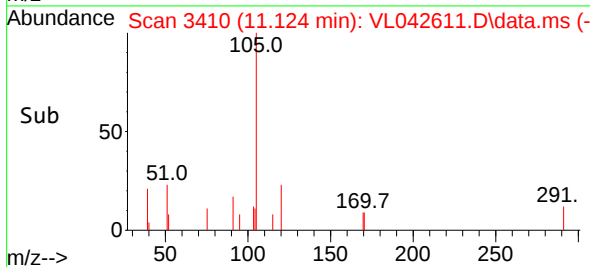
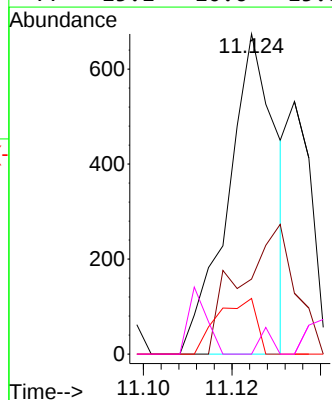
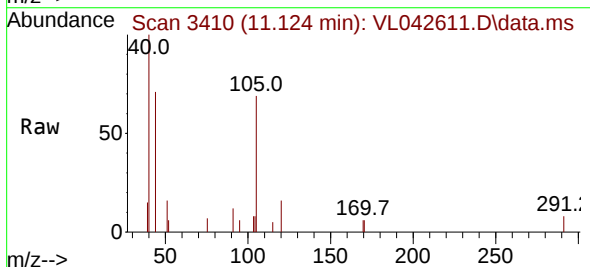
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

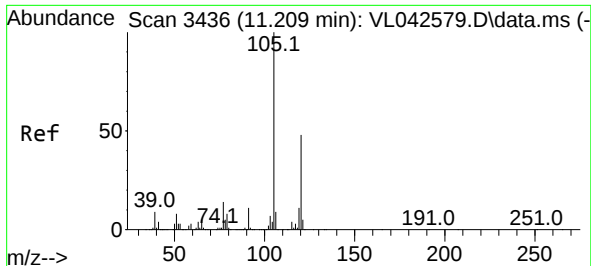
Tgt Ion: 91 Resp: 1013
Ion Ratio Lower Upper
91 100
126 23.6 12.6 50.4



#72
4-Ethyltoluene
Concen: 0.013 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion: 105 Resp: 509
Ion Ratio Lower Upper
105 100
120 0.0 24.6 36.8#
91 13.9 9.6 14.4
77 15.1 10.6 15.8

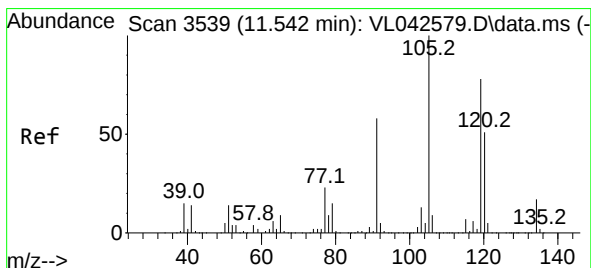
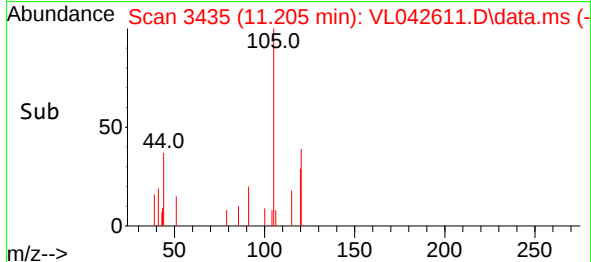
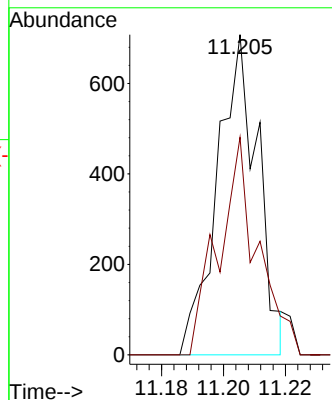
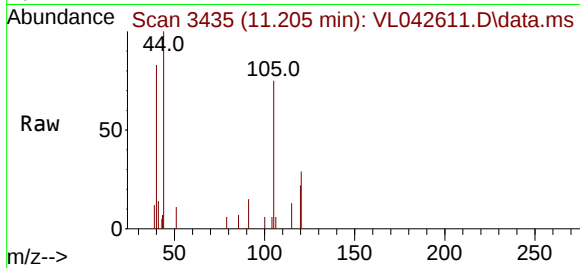




#73
 1,3,5-Trimethylbenzene
 Concen: 0.020 ppbv
 RT: 11.205 min Scan# 3435
 Delta R.T. -0.003 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

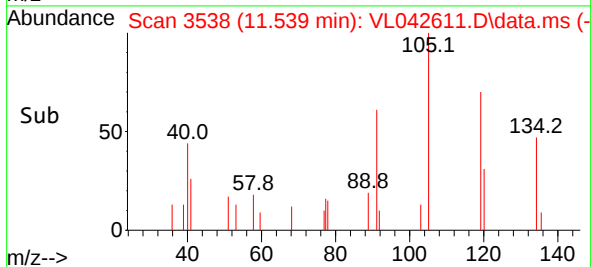
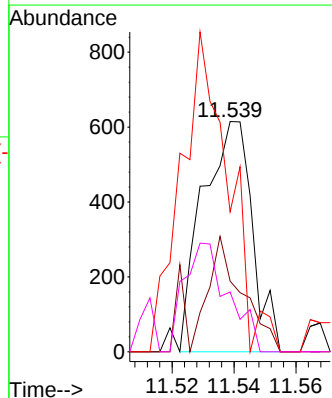
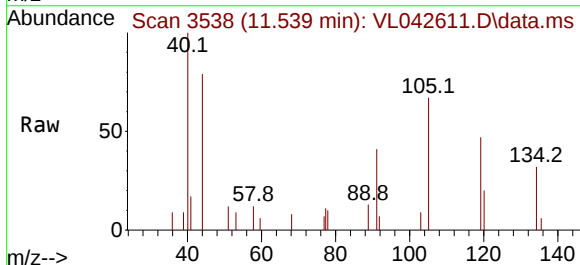
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

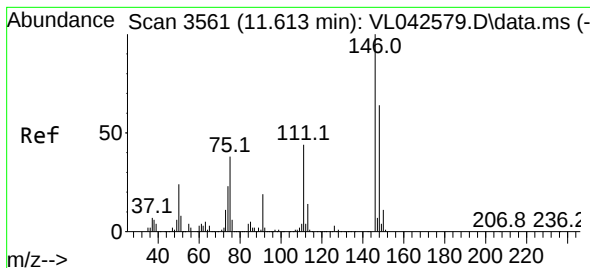
Tgt Ion:105 Resp: 640
 Ion Ratio Lower Upper
 105 100
 120 67.9 38.8 58.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.019 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. -0.003 min
 Lab File: VL042611.D
 Acq: 03 Jun 2025 15:12

Tgt Ion:105 Resp: 685
 Ion Ratio Lower Upper
 105 100
 120 30.7 40.8 61.2#
 91 70.6 46.8 70.2#
 77 26.0 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.011 ppbv

RT: 11.603 min Scan# 3558

Delta R.T. -0.010 min

Lab File: VL042611.D

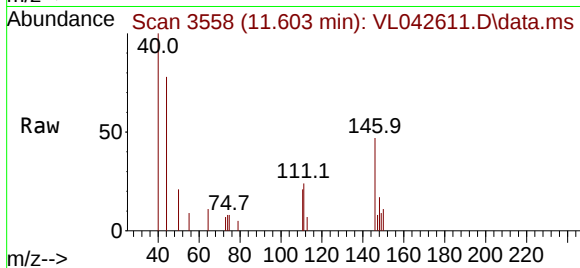
Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



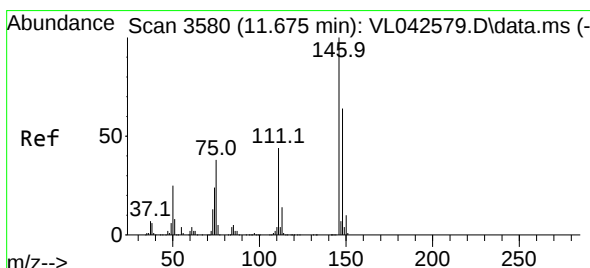
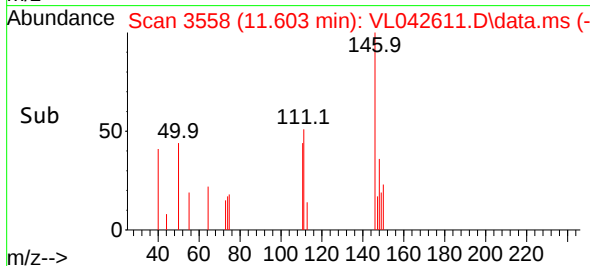
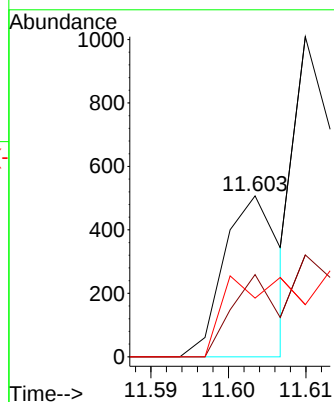
Tgt Ion:146 Resp: 255

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.3#

148 0.0 32.0 96.2#



#76

1,4-Dichlorobenzene

Concen: 0.022 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.003 min

Lab File: VL042611.D

Acq: 03 Jun 2025 15:12

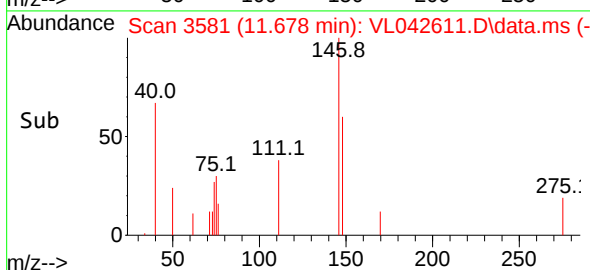
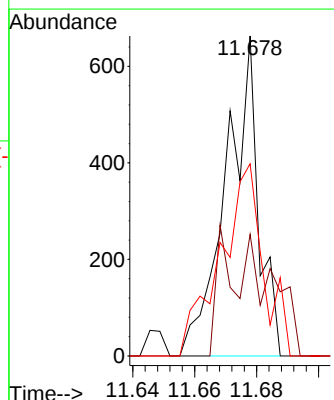
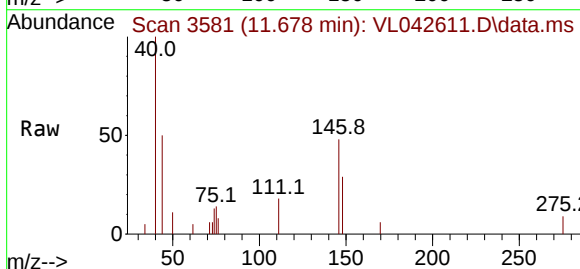
Tgt Ion:146 Resp: 480

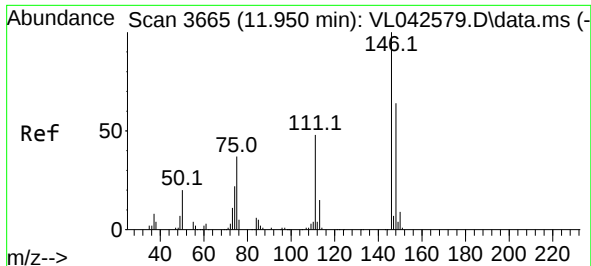
Ion Ratio Lower Upper

146 100

111 54.4 21.6 64.8

148 79.6 32.1 96.5

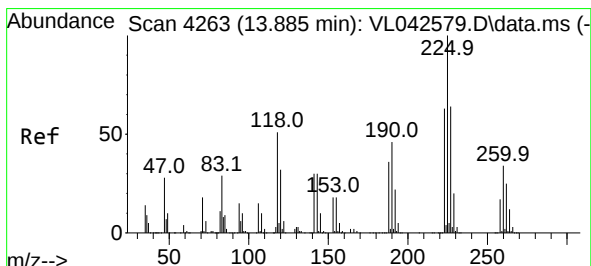
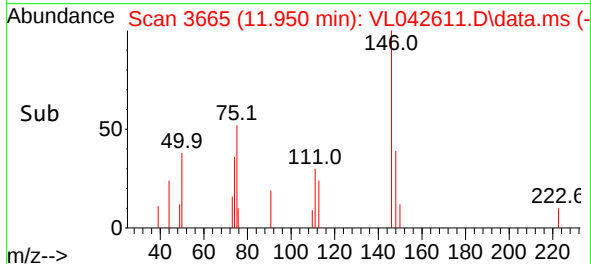
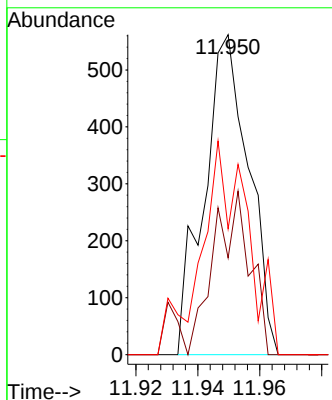
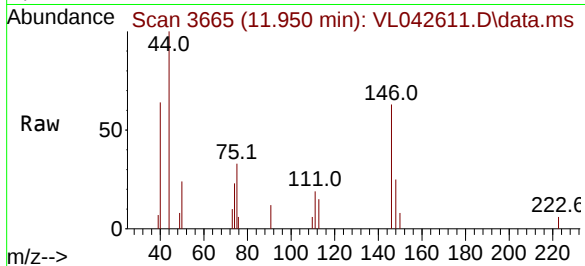




#77
1,2-Dichlorobenzene
Concen: 0.026 ppbv
RT: 11.950 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

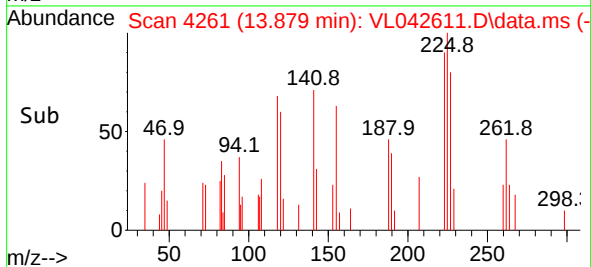
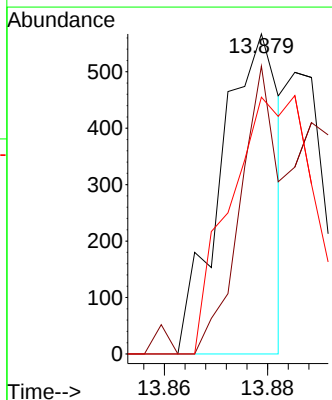
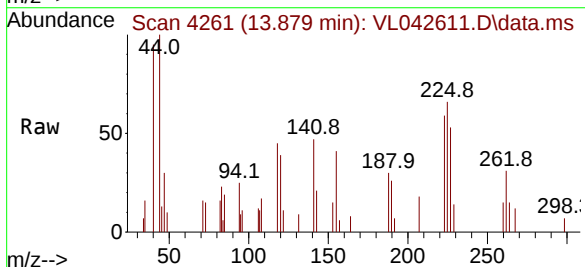
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

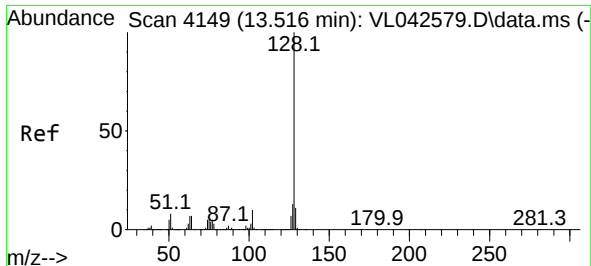
Tgt Ion:146	Resp:	563
Ion Ratio	Lower	Upper
146	100	
111	46.4	23.1 69.3
148	69.4	32.1 96.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.025 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion:225	Resp:	446
Ion Ratio	Lower	Upper
225	100	
223	112.1	50.2 75.4#
227	0.0	51.1 76.7#

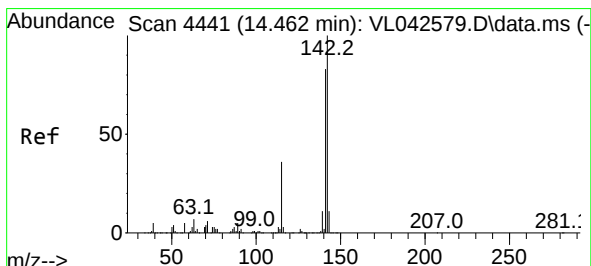
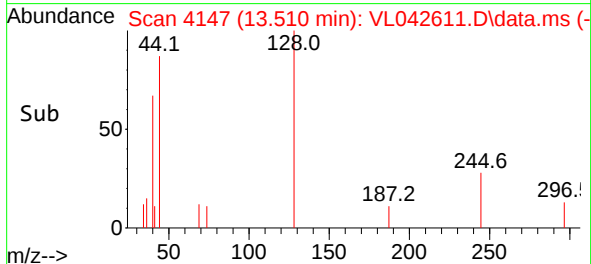
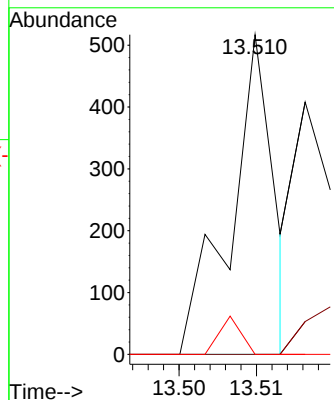
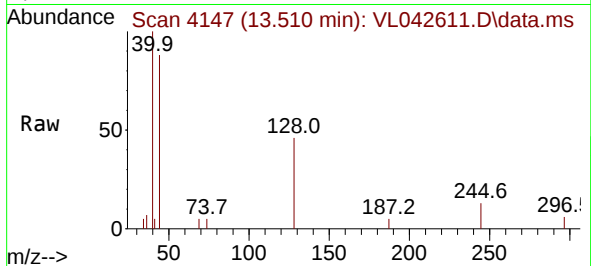




#79
Naphthalene
Concen: 0.006 ppbv
RT: 13.510 min Scan# 4149
Delta R.T. -0.007 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

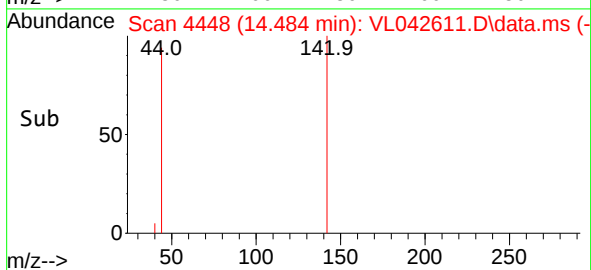
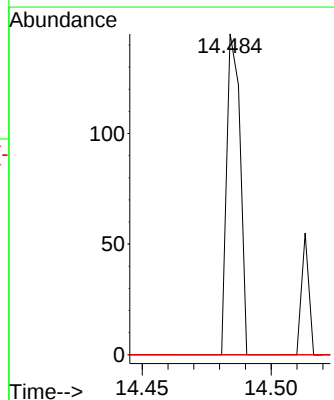
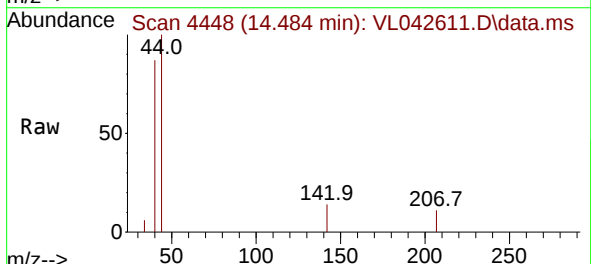
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

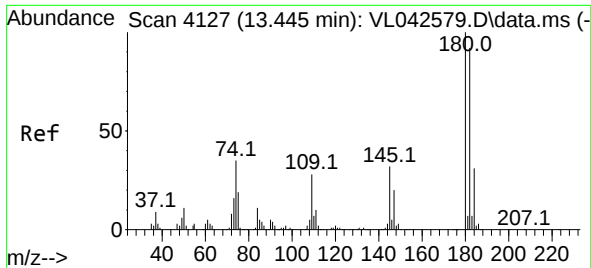
Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.003 ppbv
RT: 14.484 min Scan# 4448
Delta R.T. 0.022 min
Lab File: VL042611.D
Acq: 03 Jun 2025 15:12

Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
141 0.0 66.2 99.4#
115 0.0 28.3 42.5#





#81

1,2,4-Trichlorobenzene

Concen: 0.018 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042611.D

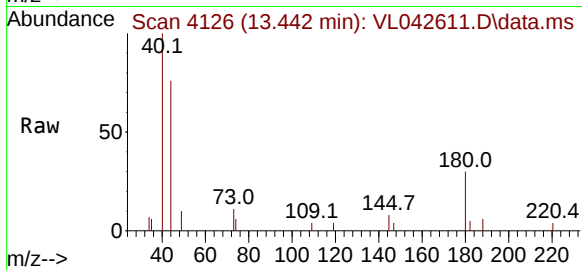
Acq: 03 Jun 2025 15:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



Tgt Ion:	180	Resp:	334
Ion	Ratio	Lower	Upper
180	100		
182	44.0	75.0	112.4#
184	4.5	24.6	36.8#

