

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042996.D
 Acq On : 23 Sep 2025 17:36
 Operator : SY/MD
 Sample : Q2893-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

Quant Time: Sep 24 02:26:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	154370	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	411178	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	360730	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	289702	10.759	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	9075	0.437	ppbv	97
3) Chlorodifluoromethane	1.476	51	11327	0.438	ppbv	96
4) Chloromethane	1.534	50	3971	0.423	ppbv	90
5) Vinyl Chloride	1.580	62	3470	0.408	ppbv	98
6) Bromomethane	1.670	94	1162	0.388	ppbv #	75
7) Chloroethane	1.706	64	1404	0.426	ppbv #	64
8) Dichlorotetrafluoroethane	1.557	85	7422	0.419	ppbv	96
9) Propene	1.486	41	4201	0.373	ppbv	97
10) Heptane	4.988	43	7270	0.242	ppbv #	83
11) Trichlorofluoromethane	1.881	101	9304	0.465	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	6789	0.419	ppbv	99
13) Ethanol	1.725	45	797	0.730	ppbv #	35
14) Bromoethene	1.784	108	2674	0.436	ppbv #	86
15) Acetone	1.839	43	10718	0.533	ppbv	100
16) 1,3-Butadiene	1.612	39	4025	0.424	ppbv	90
17) tert-Butyl alcohol	2.046	59	7902	0.358	ppbv #	89
18) 1,1-Dichloroethene	2.343	96	3462	0.461	ppbv	84
19) Isopropyl Alcohol	1.890	45	5001	0.414	ppbv #	43
20) Methylene Chloride	2.062	84	4704	0.559	ppbv	95
21) Allyl Chloride	2.097	41	5509	0.393	ppbv #	79
22) trans-1,2-Dichloroethene	2.343	96	3462	0.406	ppbv	94
23) Vinyl Acetate	2.463	43	9636	0.335	ppbv #	85
24) 1,1-Dichloroethane	2.415	63	6910	0.413	ppbv	99
25) Ethyl Acetate	2.845	43	17340	0.341	ppbv	98
26) Hexane	2.829	57	7462	0.322	ppbv #	88
27) Carbon Disulfide	2.152	76	7211	0.347	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	4916	0.408	ppbv	93
29) Chloroform	2.852	83	14236	0.470	ppbv	91
30) Cyclohexane	3.855	84	5245	0.271	ppbv #	84
31) cis-1,2-Dichloroethene	2.725	61	8108	0.374	ppbv	94
32) 1,1,1-Trichloroethane	3.369	97	11300	0.345	ppbv	95
34) 2-Butanone	2.567	43	12622	0.438	ppbv	99
35) Carbon Tetrachloride	3.764	117	12167	0.455	ppbv	91
36) Benzene	3.661	78	16193	0.419	ppbv #	94
37) 1,2-Dichloroethane	3.224	62	10732	0.528	ppbv	99
38) Trichloroethene	4.554	130	7572	0.395	ppbv	87
39) 1,2-Dichloropropane	4.308	63	1984	0.141	ppbv	94
40) 1,4-Dioxane	4.603	88	1609	0.245	ppbv #	51
41) Tetrahydrofuran	3.068	42	5445	0.329	ppbv	97
42) Bromodichloromethane	4.496	83	12792	0.452	ppbv	94
43) Methyl Methacrylate	4.894	69	4263	0.270	ppbv	90
44) 2,2,4-Trimethylpentane	4.645	57	24557	0.368	ppbv #	92
45) t-1,3-Dichloropropene	6.422	75	1768	0.105	ppbv	98

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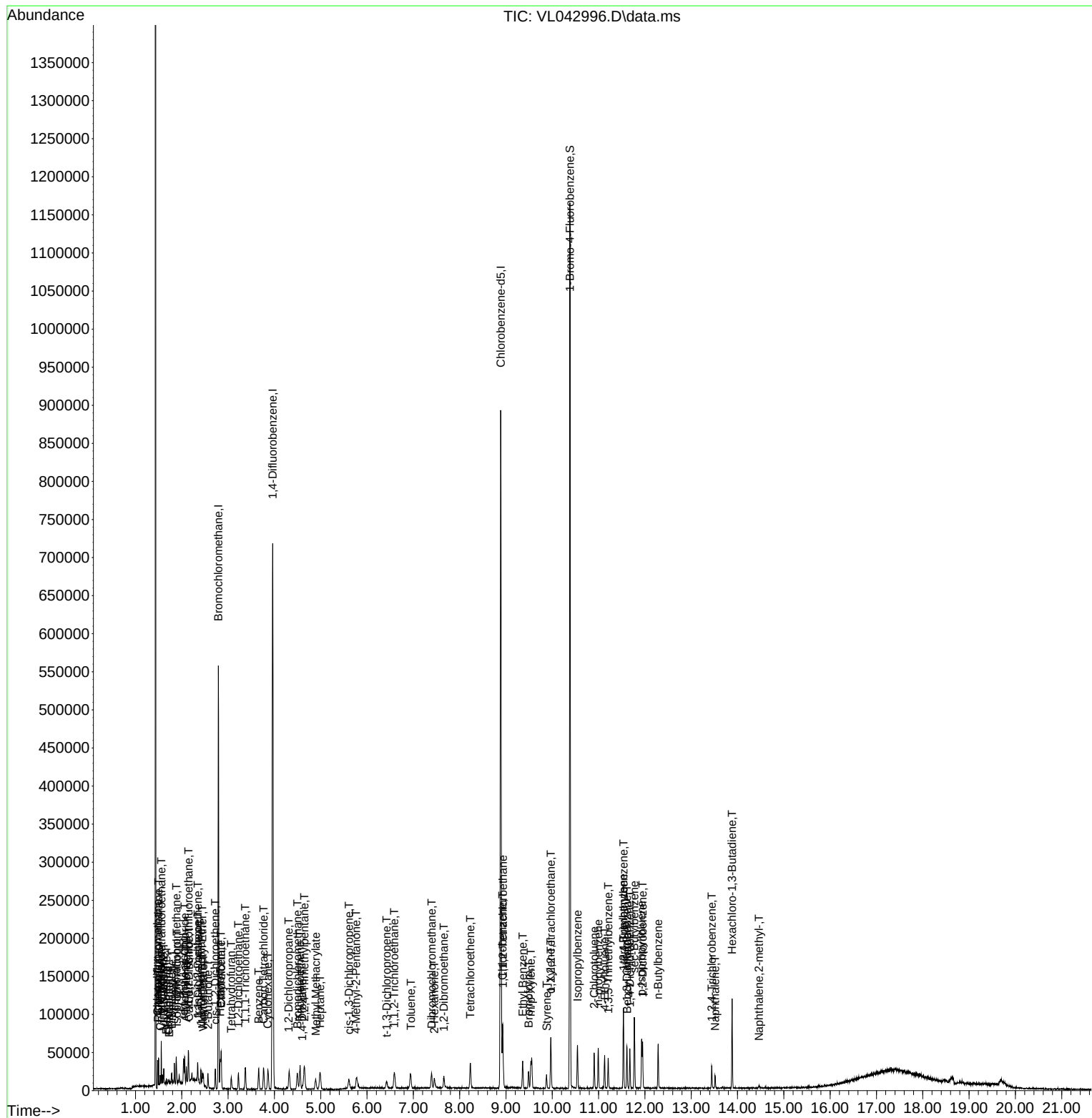
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	4043	0.188	ppbv	89
47) 1,1,2-Trichloroethane	6.587	97	3623	0.243	ppbv	92
48) Dibromochloromethane	7.393	129	9529	0.400	ppbv	98
49) Bromoform	9.490	173	3402	0.164	ppbv #	8
50) 4-Methyl-2-Pentanone	5.765	43	5153	0.133	ppbv #	39
51) 2-Hexanone	7.451	43	8384	0.272	ppbv #	98
52) Tetrachloroethene	8.228	164	5951	0.398	ppbv #	84
53) Toluene	6.946	91	4860	0.106	ppbv #	21
54) 1,2-Dibromoethane	7.658	107	8030	0.383	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.933	131	8058	0.467	ppbv #	1
57) Chlorobenzene	8.927	112	15483	0.470	ppbv #	93
58) Ethyl Benzene	9.360	91	18907	0.319	ppbv	98
59) m/p-Xylene	9.535	91	12083	0.259	ppbv #	100
60) o-Xylene	9.966	91	14150	0.303	ppbv	98
61) Styrene	9.878	104	6013	0.272	ppbv	96
62) Isopropylbenzene	10.545	105	23881	0.343	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	11763	0.479	ppbv	97
64) n-propylbenzene	10.995	120	5893	0.324	ppbv	97
65) tert-Butylbenzene	11.536	119	18555	0.300	ppbv	91
66) Benzyl Chloride	11.616	91	1253	0.193	ppbv #	95
67) sec-Butylbenzene	11.772	105	29078	0.337	ppbv	98
69) p-Isopropyltoluene	11.927	119	20936	0.287	ppbv	98
70) n-Butylbenzene	12.286	91	19505	0.274	ppbv	98
71) 2-Chlorotoluene	10.904	91	16990	0.323	ppbv	98
72) 4-Ethyltoluene	11.131	105	16998	0.291	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.209	105	14277	0.301	ppbv	88
74) 1,2,4-Trimethylbenzene	11.539	105	16227	0.310	ppbv	88
75) 1,3-Dichlorobenzene	11.610	146	12264	0.378	ppbv	92
76) 1,4-Dichlorobenzene	11.678	146	11712	0.363	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	12962	0.420	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	10168	0.421	ppbv	97
79) Naphthalene	13.513	128	7659	0.165	ppbv #	93
80) Naphthalene,2-methyl-	14.465	142	1530	0.107	ppbv	92
81) 1,2,4-Trichlorobenzene	13.442	180	4614	0.186	ppbv	100

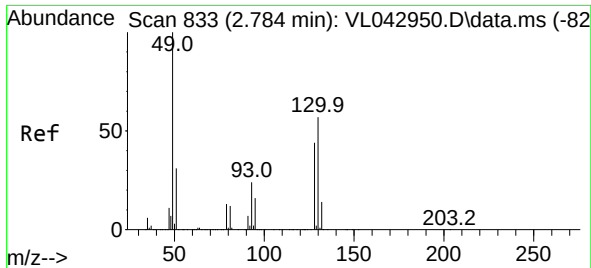
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

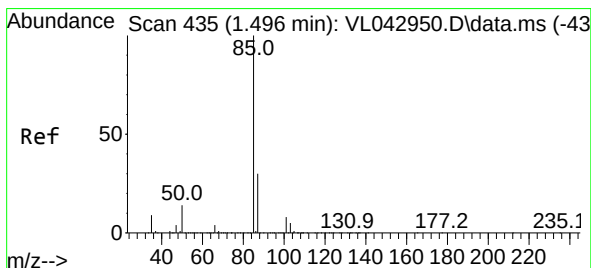
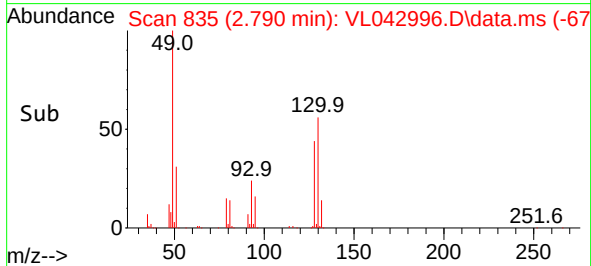
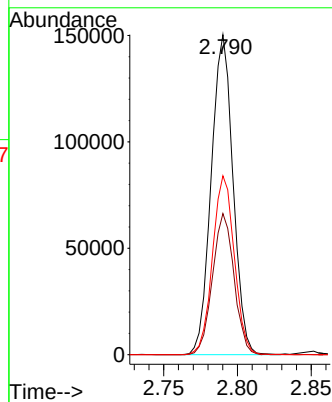
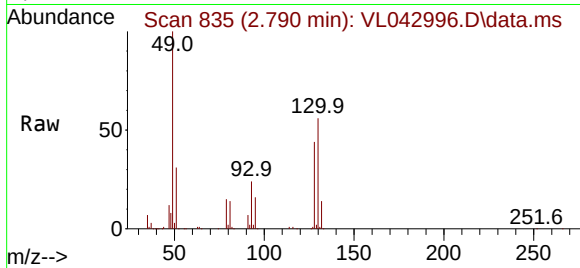
Tgt Ion: 49 Resp: 154370

Ion Ratio Lower Upper

49 100

128 43.6 22.9 68.8

130 55.9 29.1 87.3



#2

Dichlorodifluoromethane

Concen: 0.437 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.003 min

Lab File: VL042996.D

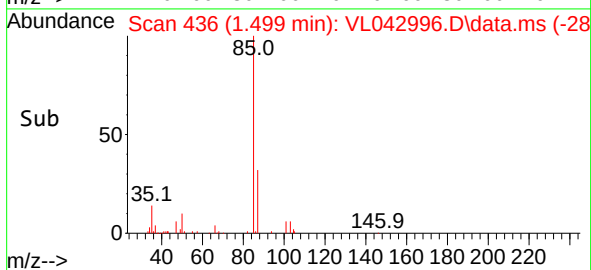
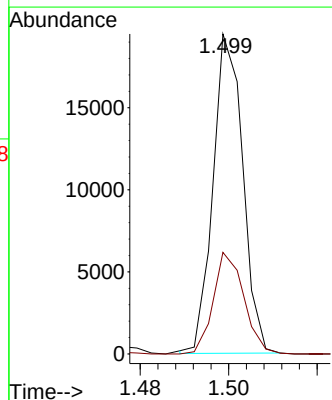
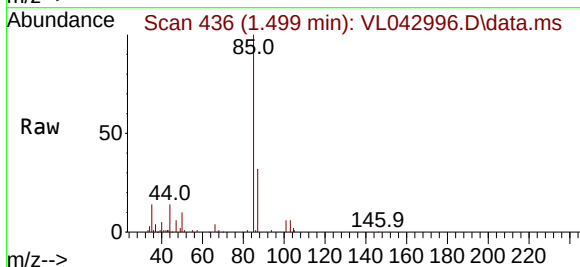
Acq: 23 Sep 2025 17:36

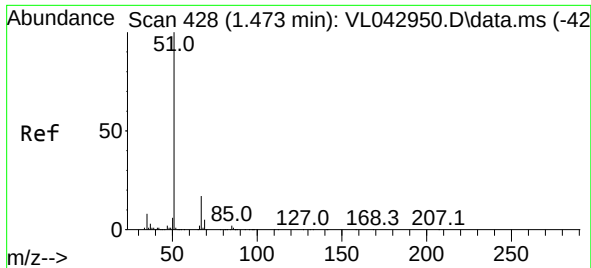
Tgt Ion: 85 Resp: 9075

Ion Ratio Lower Upper

85 100

87 31.8 24.3 36.5





#3

Chlorodifluoromethane

Concen: 0.438 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

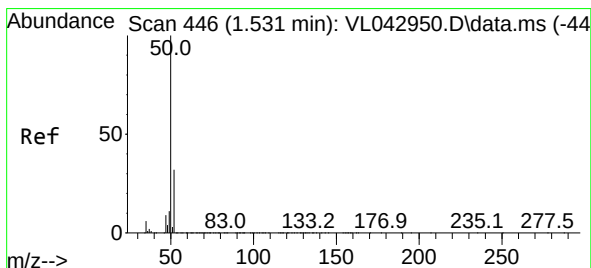
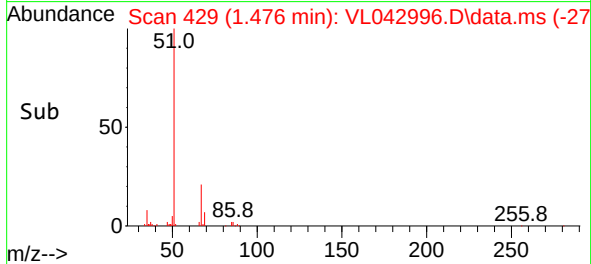
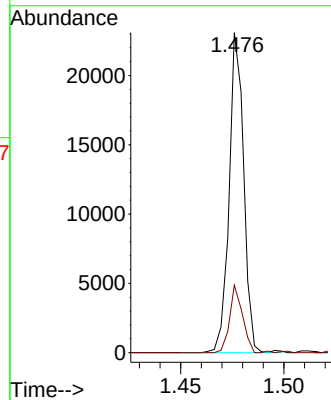
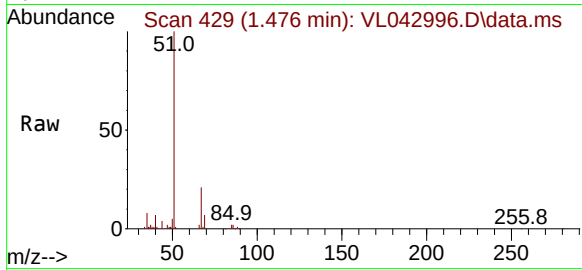
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 51 Resp: 11327

Ion Ratio Lower Upper

51 100

67 19.1 13.8 20.8



#4

Chloromethane

Concen: 0.423 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL042996.D

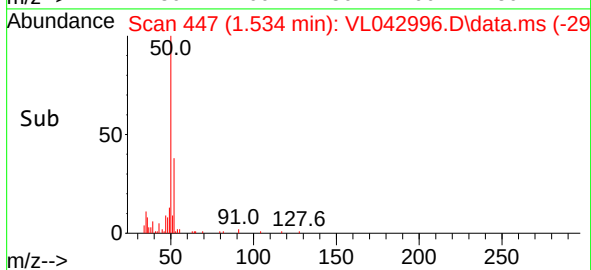
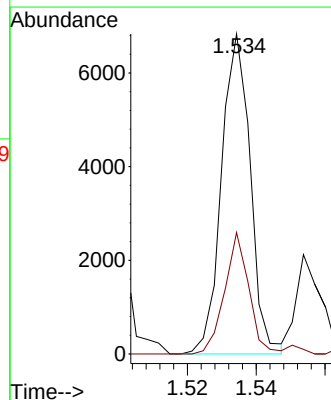
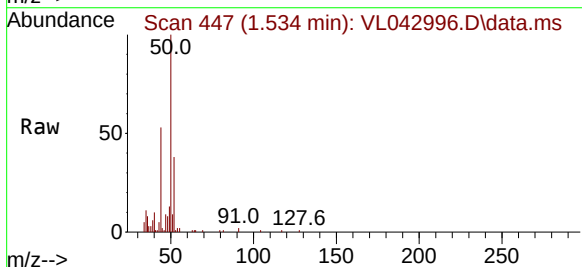
Acq: 23 Sep 2025 17:36

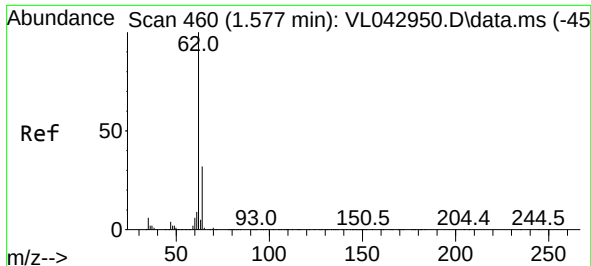
Tgt Ion: 50 Resp: 3971

Ion Ratio Lower Upper

50 100

52 38.0 25.9 38.9

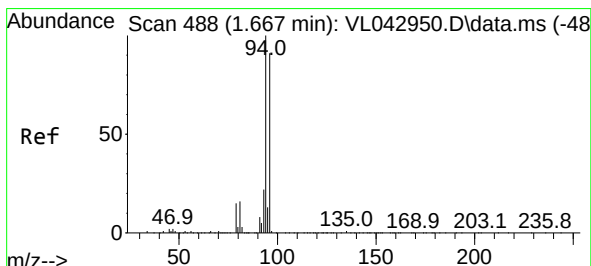
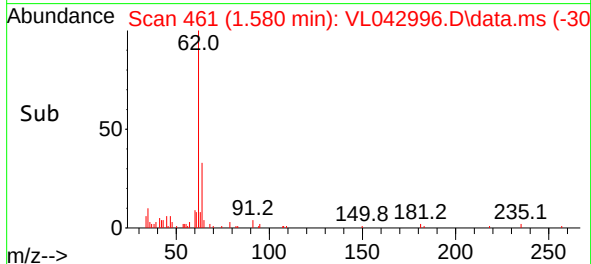
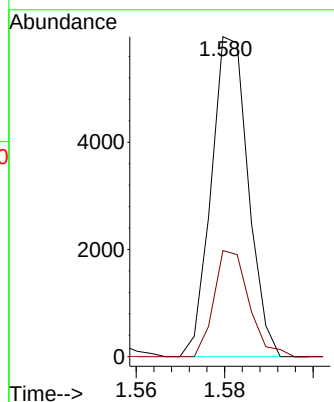
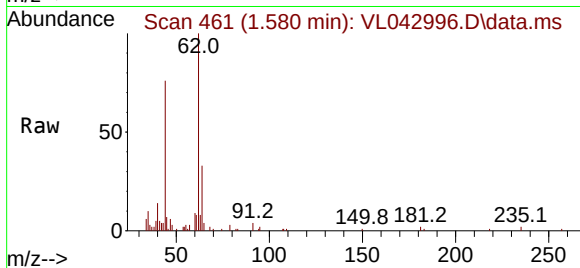




#5
 Vinyl Chloride
 Concen: 0.408 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

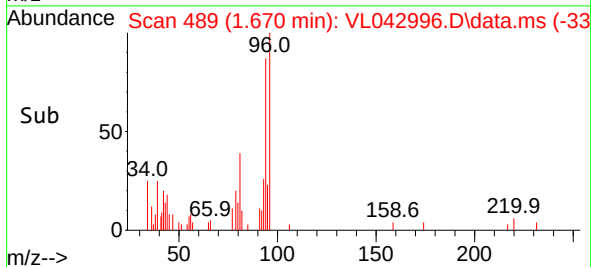
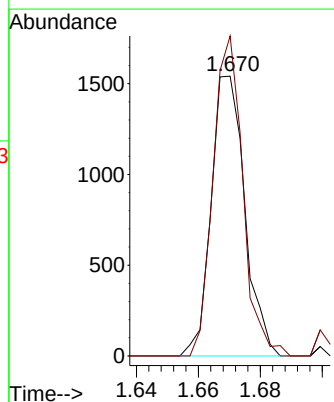
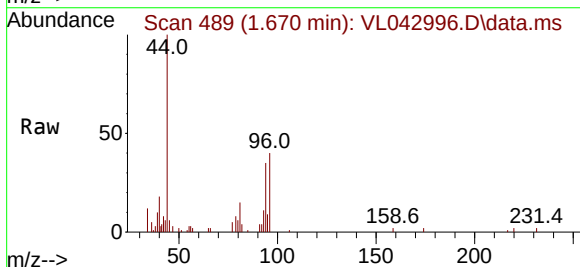
Instrument :
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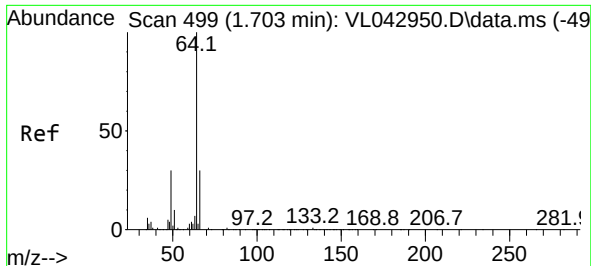
Tgt Ion: 62 Resp: 3470
 Ion Ratio Lower Upper
 62 100
 64 33.1 25.4 38.2



#6
 Bromomethane
 Concen: 0.388 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion: 94 Resp: 1162
 Ion Ratio Lower Upper
 94 100
 96 114.3 72.6 108.8#

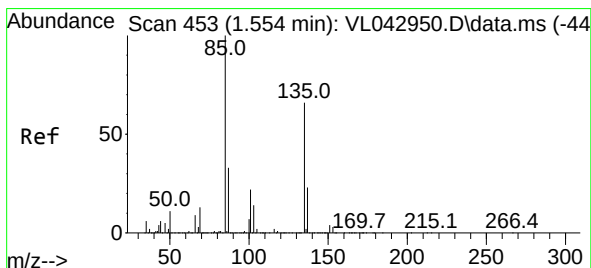
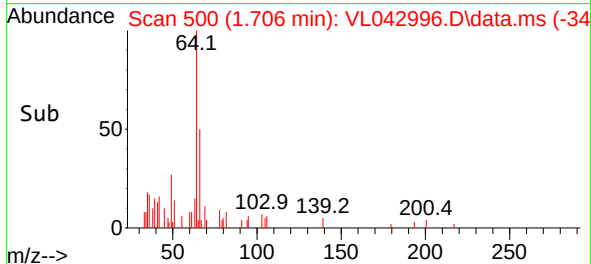
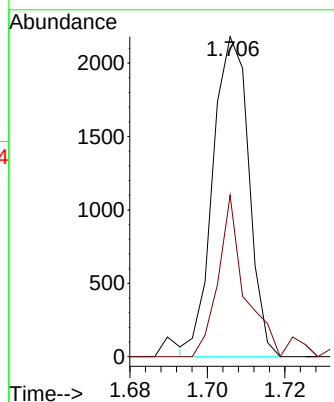
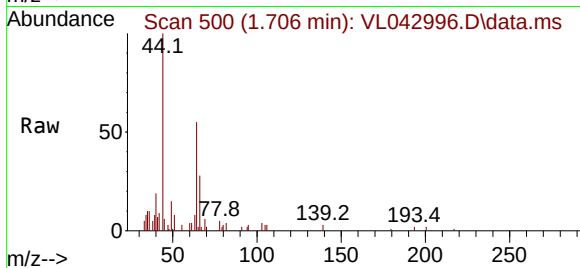




#7
Chloroethane
Concen: 0.426 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

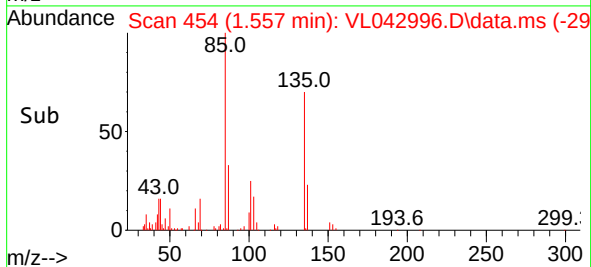
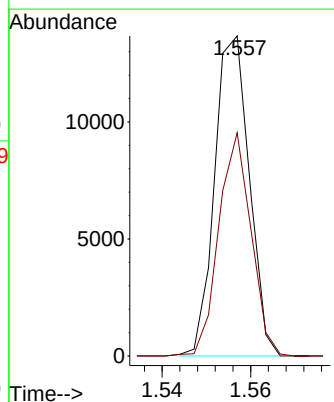
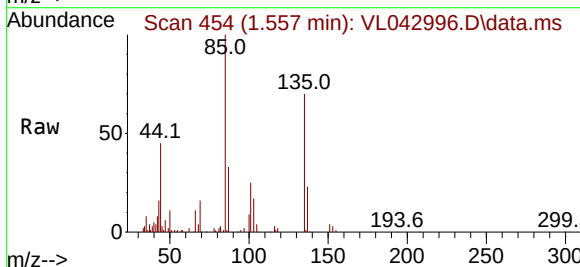
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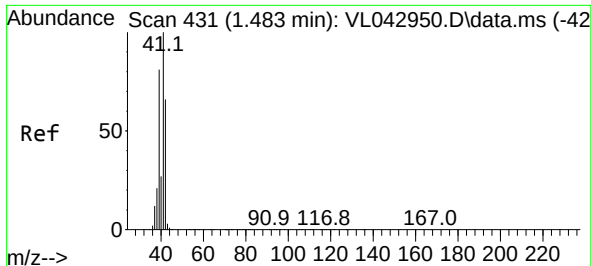
Tgt Ion: 64 Resp: 1404
Ion Ratio Lower Upper
64 100
66 50.5 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.419 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 85 Resp: 7422
Ion Ratio Lower Upper
85 100
135 65.0 49.7 74.5





#9

Propene

Concen: 0.373 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

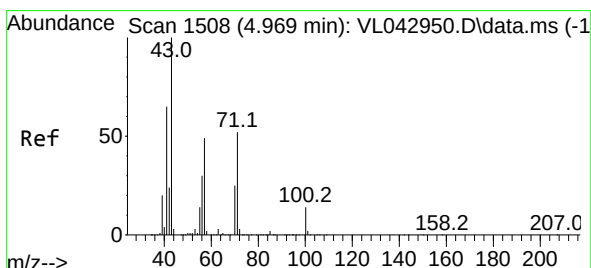
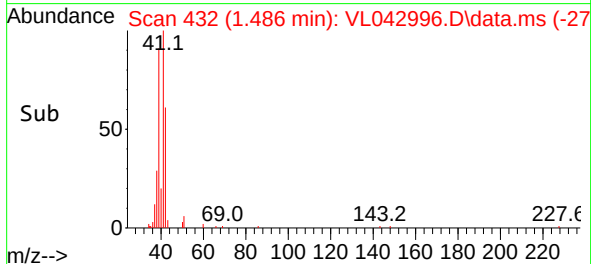
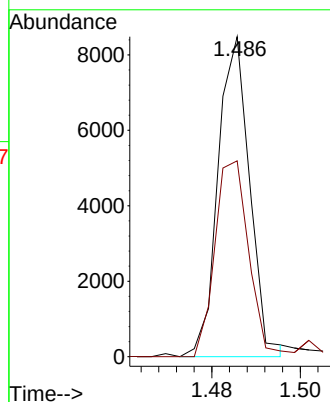
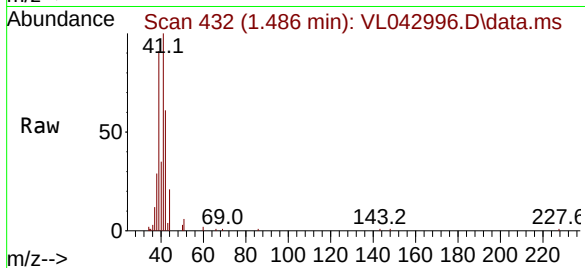
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 41 Resp: 4201

Ion Ratio Lower Upper

41 100

42 69.2 57.4 86.2



#10

Heptane

Concen: 0.242 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.019 min

Lab File: VL042996.D

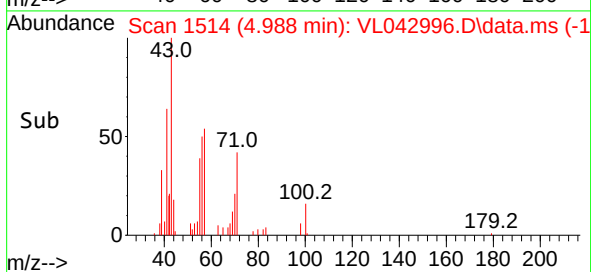
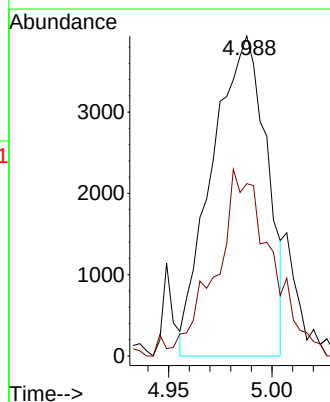
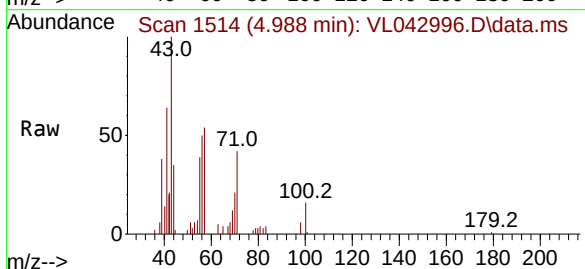
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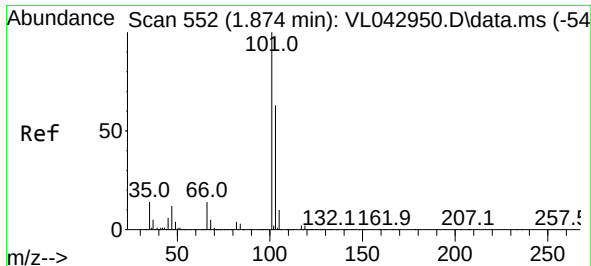
Tgt Ion: 43 Resp: 7270

Ion Ratio Lower Upper

43 100

57 59.7 38.6 57.8#

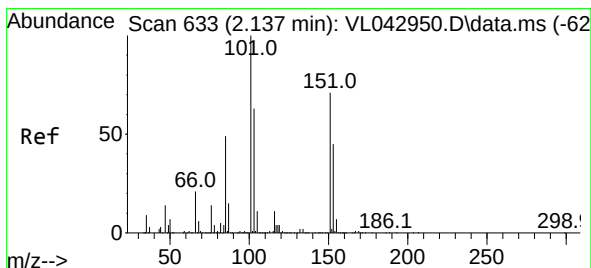
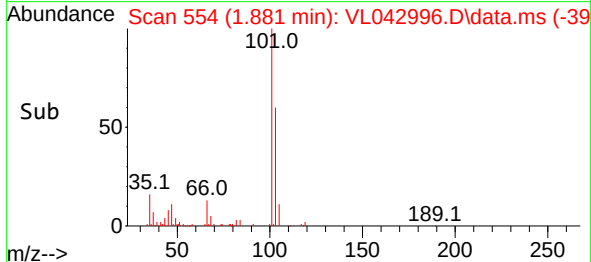
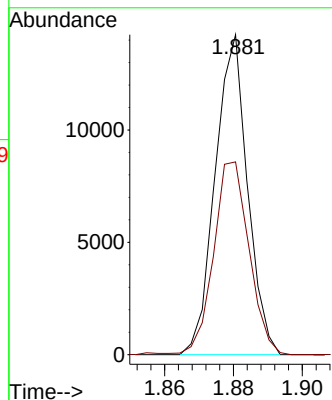
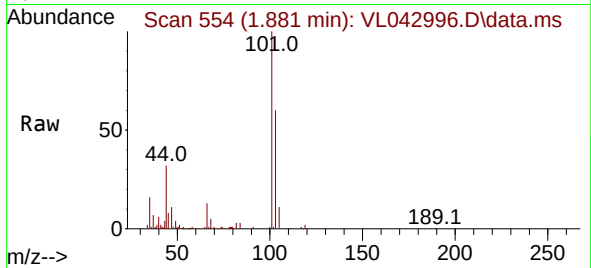




#11
 Trichlorofluoromethane
 Concen: 0.465 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

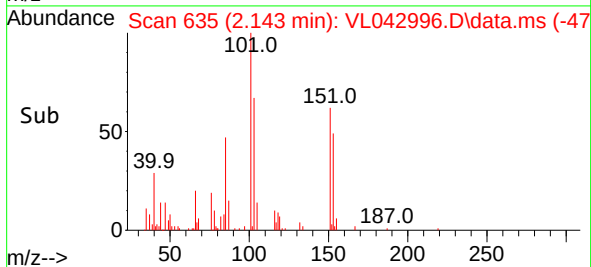
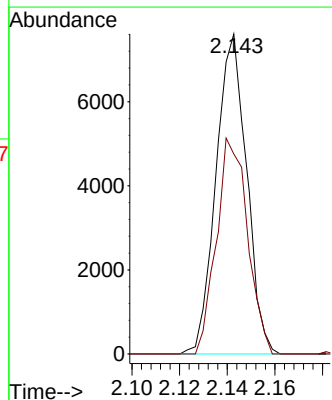
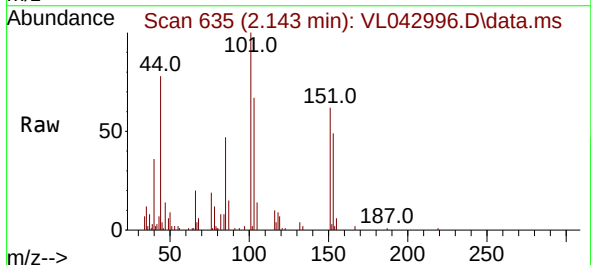
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

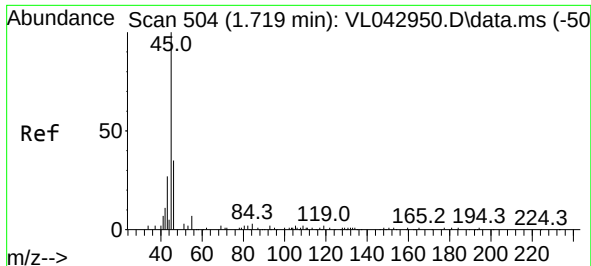
Tgt Ion:101 Resp: 9304
 Ion Ratio Lower Upper
 101 100
 103 59.8 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.419 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion:101 Resp: 6789
 Ion Ratio Lower Upper
 101 100
 151 68.4 55.7 83.5

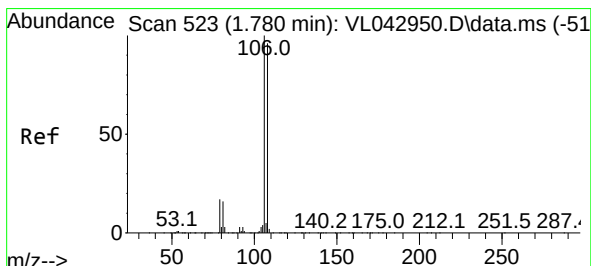
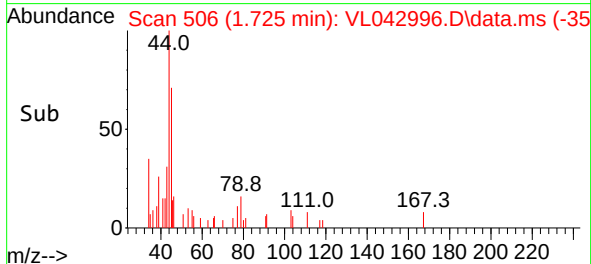
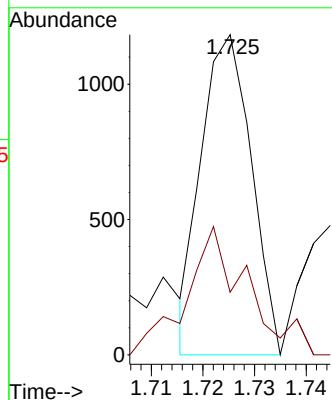
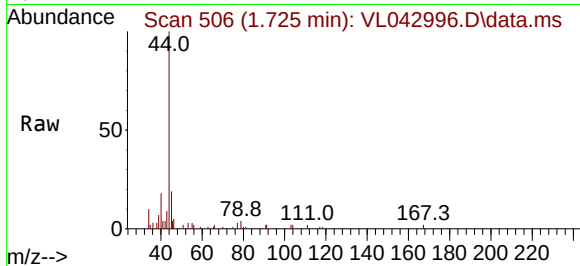




#13
 Ethanol
 Concen: 0.730 ppbv
 RT: 1.725 min Scan# 504
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

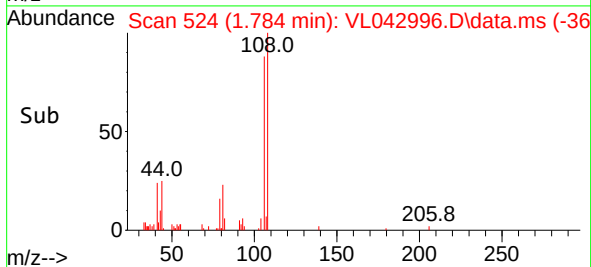
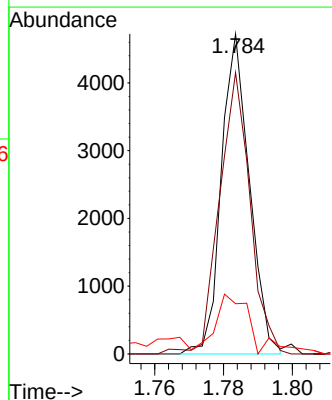
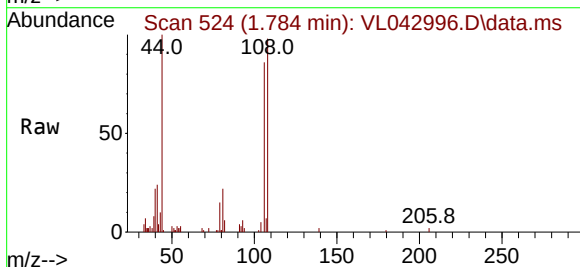
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

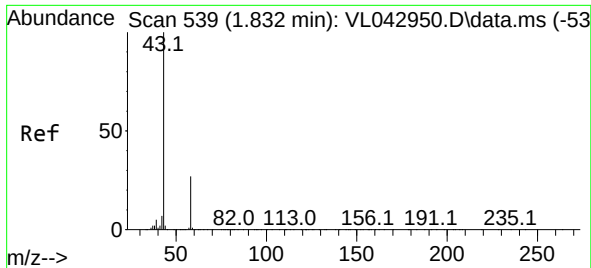
Tgt Ion: 45 Resp: 797
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.2 64.6#



#14
 Bromoethene
 Concen: 0.436 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion: 108 Resp: 2674
 Ion Ratio Lower Upper
 108 100
 106 96.4 86.0 129.0
 79 32.1 14.2 21.2#





#15

Acetone

Concen: 0.533 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

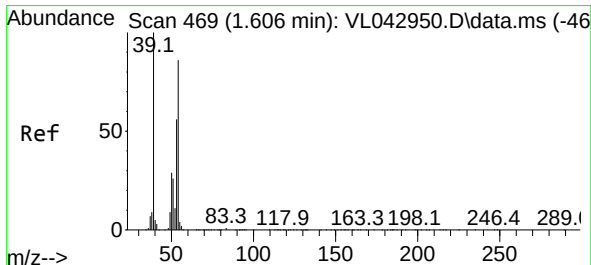
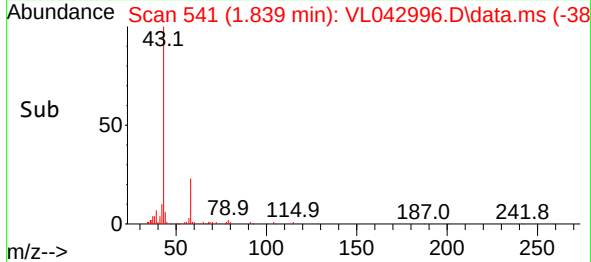
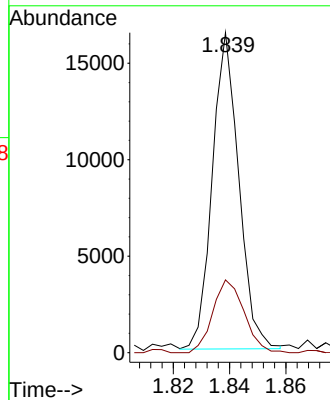
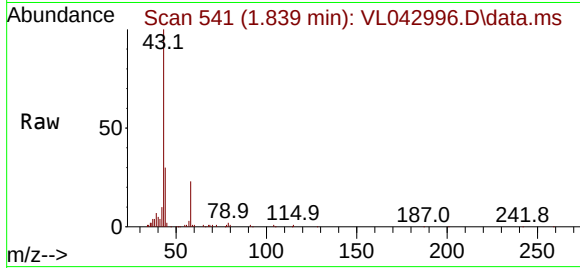
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 43 Resp: 10718

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5



#16

1,3-Butadiene

Concen: 0.424 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL042996.D

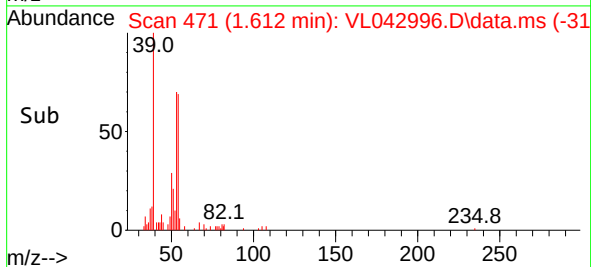
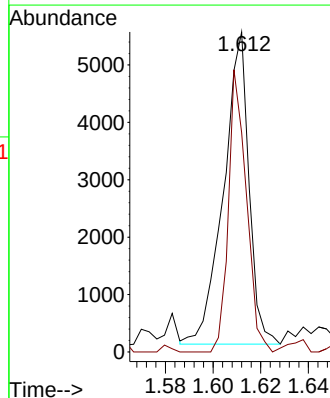
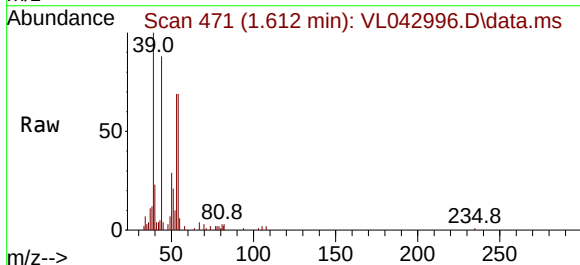
Acq: 23 Sep 2025 17:36

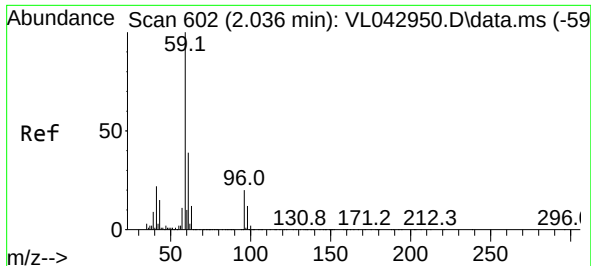
Tgt Ion: 39 Resp: 4025

Ion Ratio Lower Upper

39 100

54 67.5 60.8 91.2





#17

tert-Butyl alcohol

Concen: 0.358 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.009 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

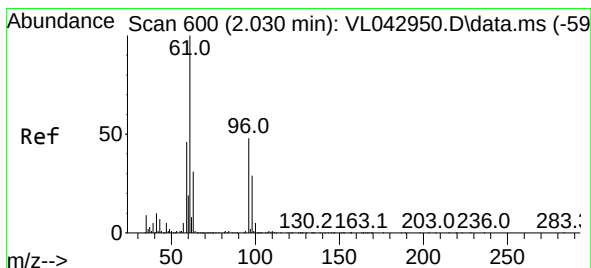
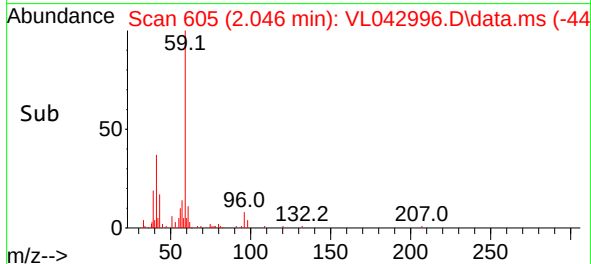
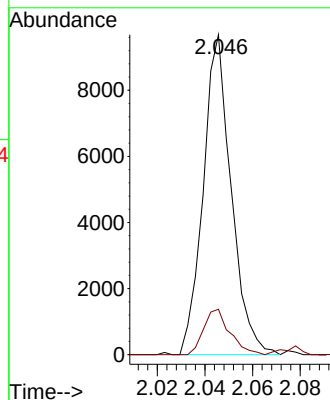
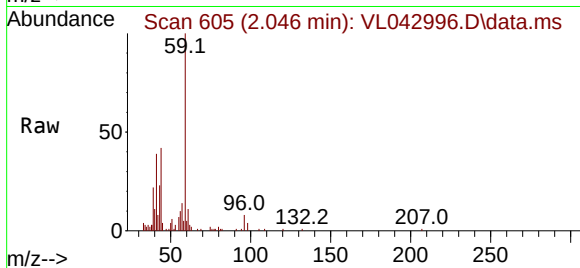
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 59 Resp: 7902

Ion Ratio Lower Upper

59 100

57 15.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.461 ppbv

RT: 2.343 min Scan# 697

Delta R.T. 0.314 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

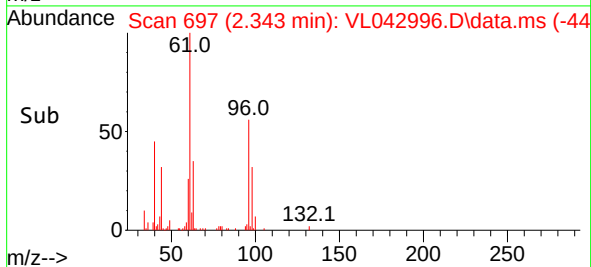
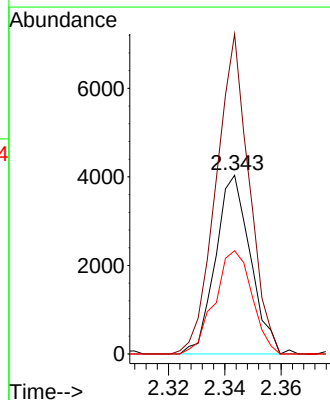
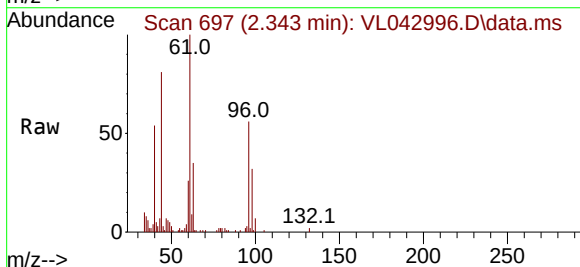
Tgt Ion: 96 Resp: 3462

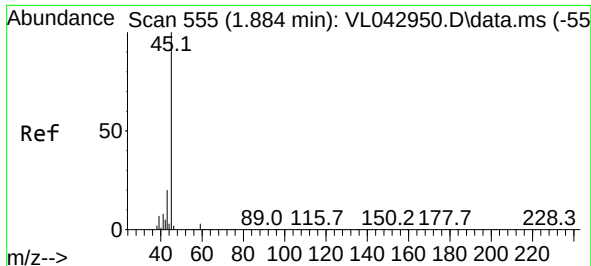
Ion Ratio Lower Upper

96 100

61 177.3 166.2 249.4

98 57.7 48.6 73.0

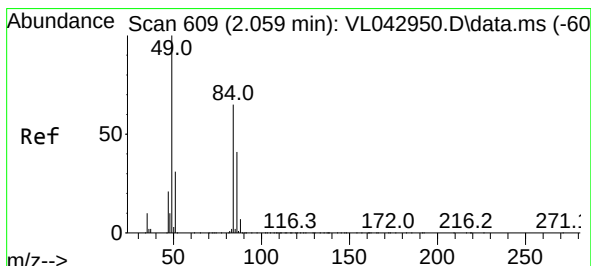
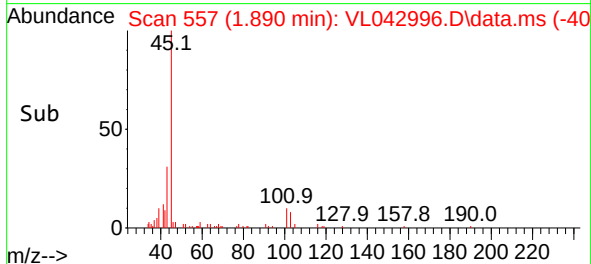
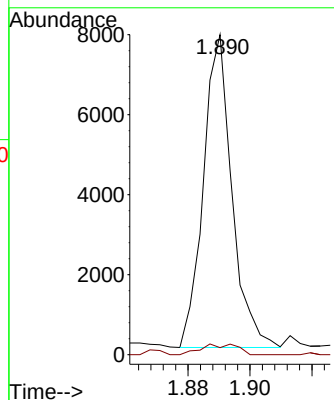
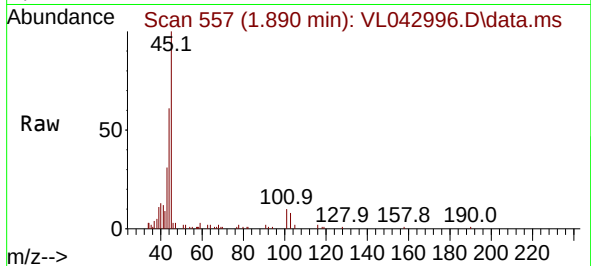




#19
Isopropyl Alcohol
Concen: 0.414 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

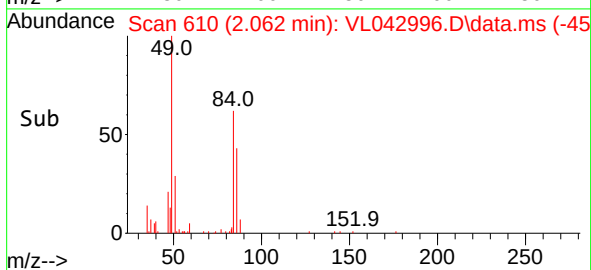
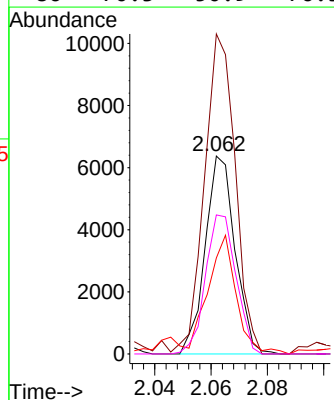
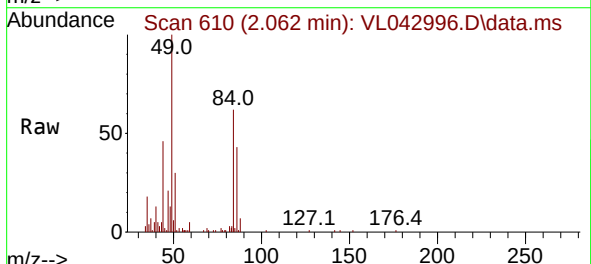
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

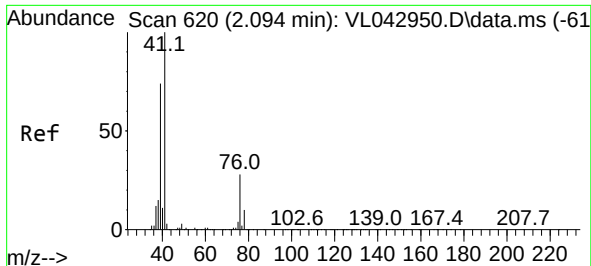
Tgt Ion: 45 Resp: 5001
Ion Ratio Lower Upper
45 100
58 4.3 31.0 46.6#



#20
Methylene Chloride
Concen: 0.559 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 84 Resp: 4704
Ion Ratio Lower Upper
84 100
49 161.7 124.1 186.1
51 48.9 39.8 59.8
86 70.3 50.9 76.3

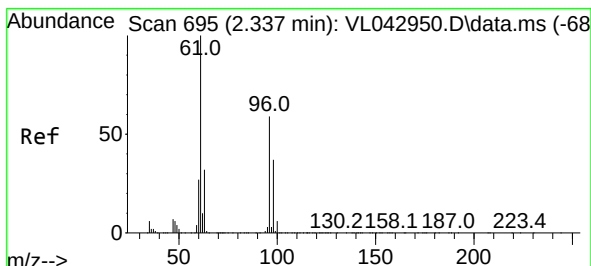
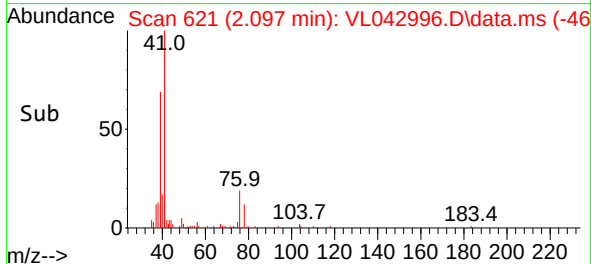
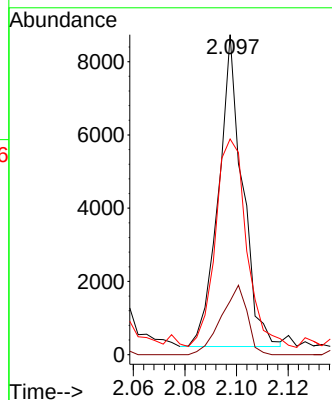
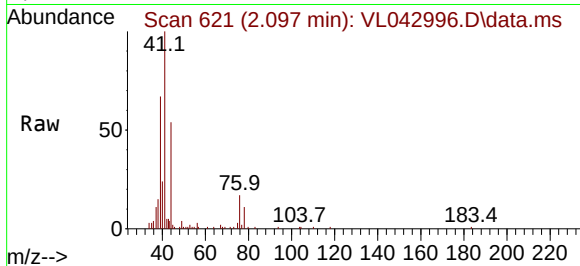




#21
 Allyl Chloride
 Concen: 0.393 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

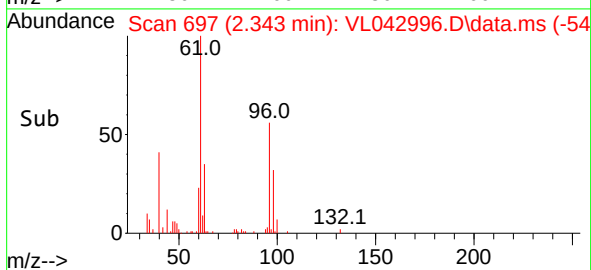
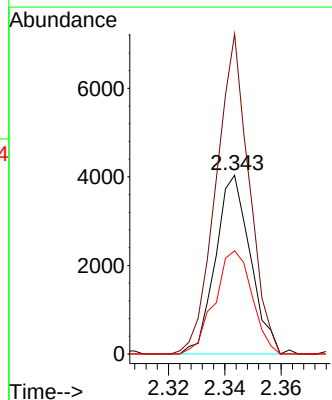
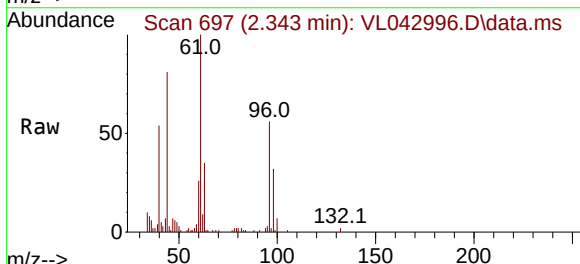
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

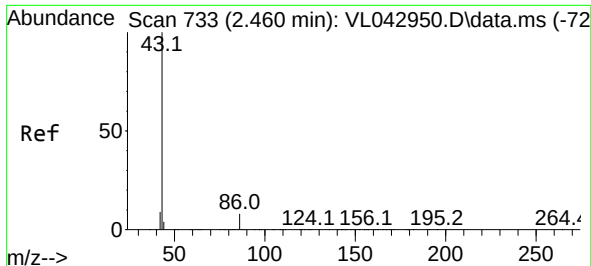
Tgt Ion: 41 Resp: 5509
 Ion Ratio Lower Upper
 41 100
 76 24.0 22.3 33.5
 39 99.3 61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.406 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion: 96 Resp: 3462
 Ion Ratio Lower Upper
 96 100
 61 177.3 136.5 204.7
 98 57.7 50.6 76.0

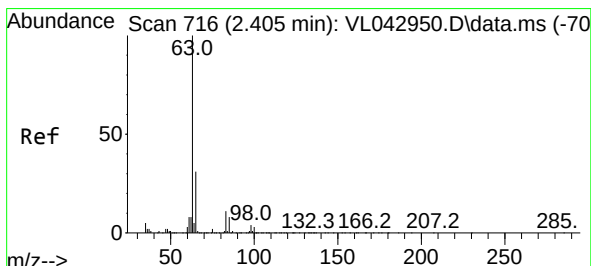
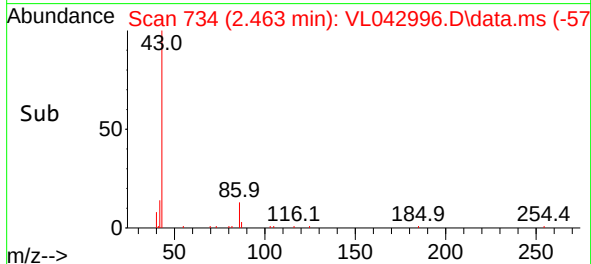
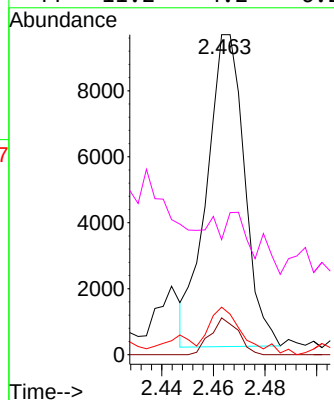
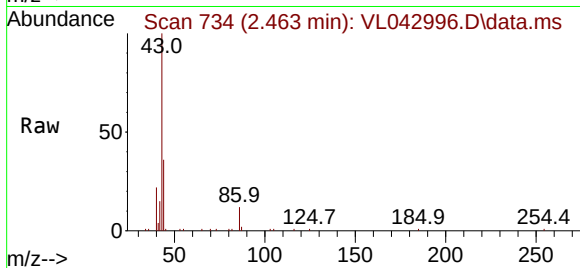




#23
 Vinyl Acetate
 Concen: 0.335 ppbv
 RT: 2.463 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

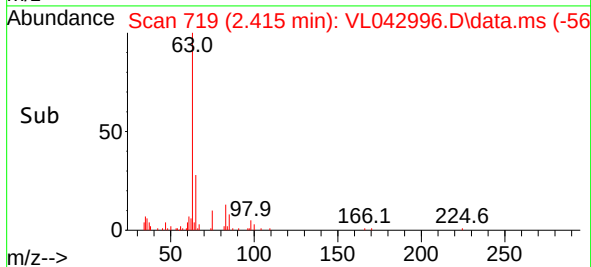
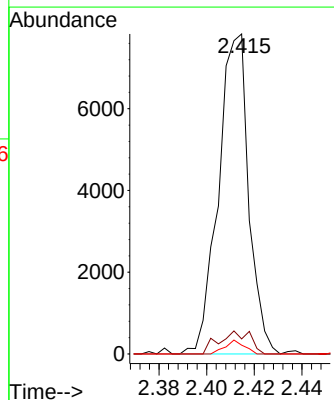
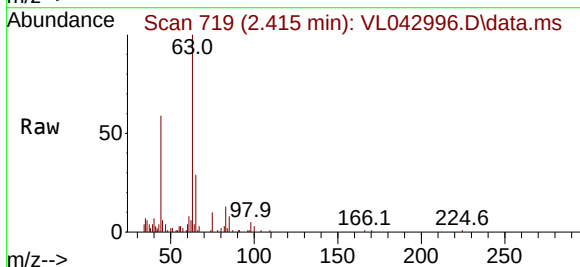
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

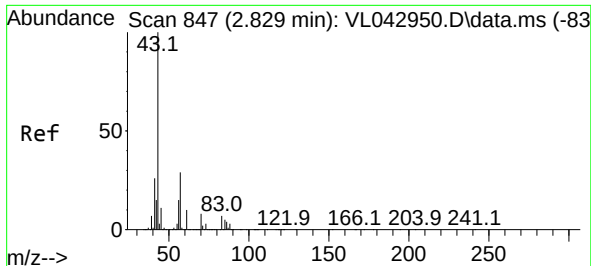
Tgt Ion:	43	Resp:	9636
Ion	Ratio	Lower	Upper
43	100		
86	11.8	6.2	9.2#
42	14.7	7.4	11.0#
44	11.2	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.413 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.010 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion:	63	Resp:	6910
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	2.7	1.4	4.0

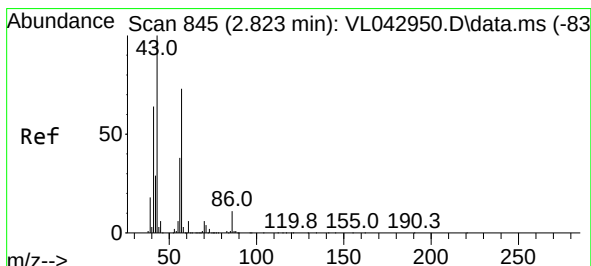
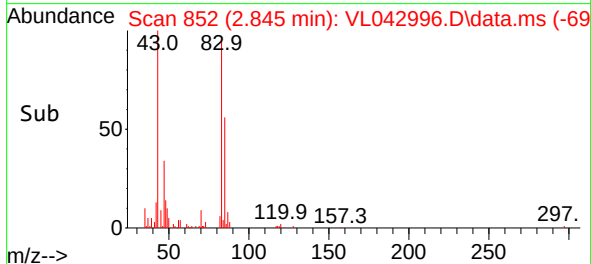
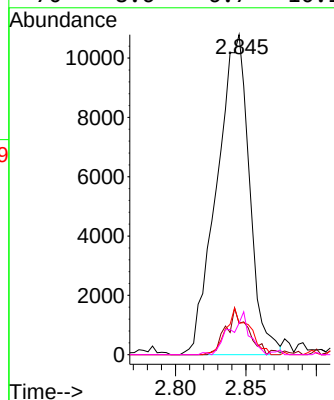
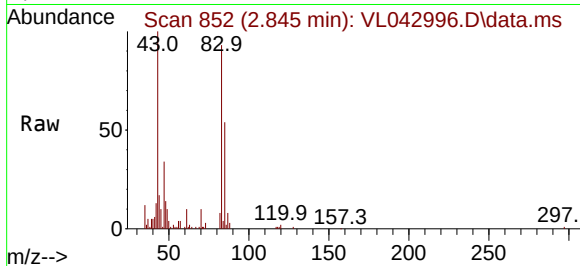




#25
Ethyl Acetate
Concen: 0.341 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

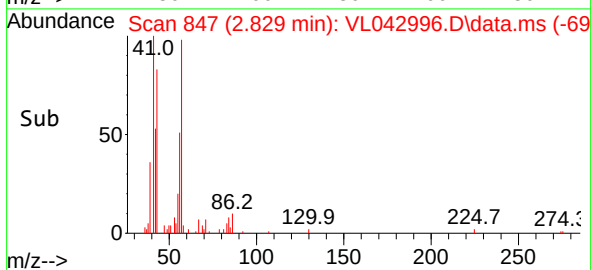
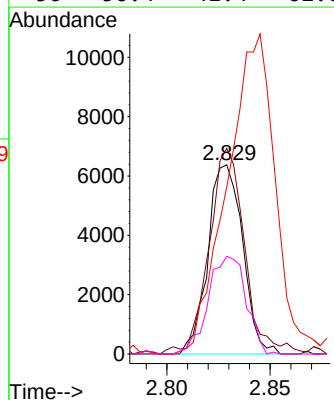
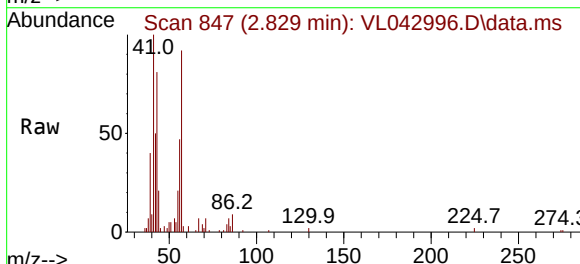
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

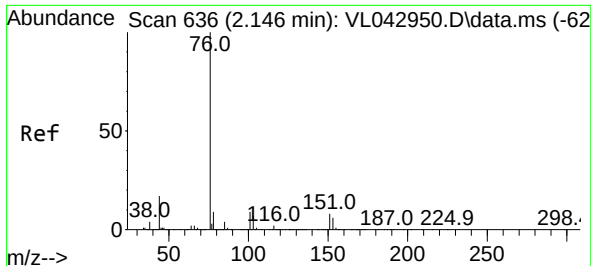
Tgt Ion:	43	Resp:	17340
Ion	Ratio	Lower	Upper
43	100		
45	10.8	7.7	11.5
61	10.2	7.1	10.7
70	8.6	6.7	10.1



#26
Hexane
Concen: 0.322 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:	57	Resp:	7462
Ion	Ratio	Lower	Upper
57	100		
41	113.9	71.7	107.5#
43	239.8	180.8	271.2
56	56.4	41.4	62.0

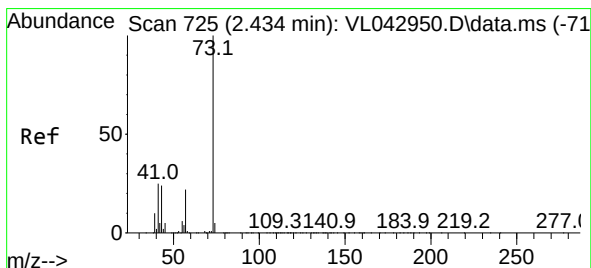
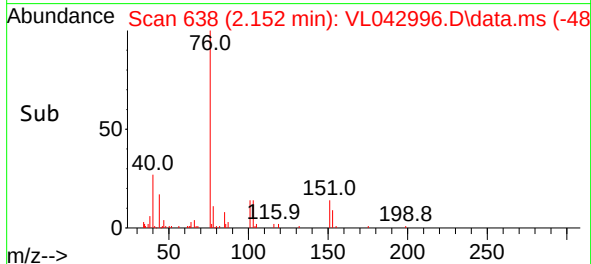
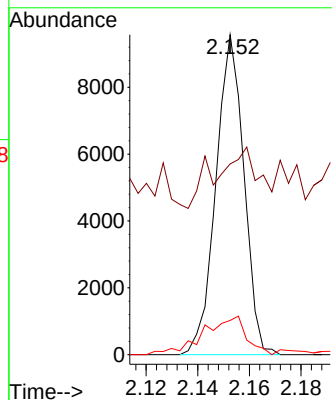
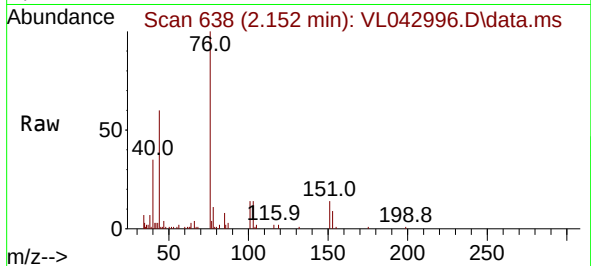




#27
Carbon Disulfide
Concen: 0.347 ppbv
RT: 2.152 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

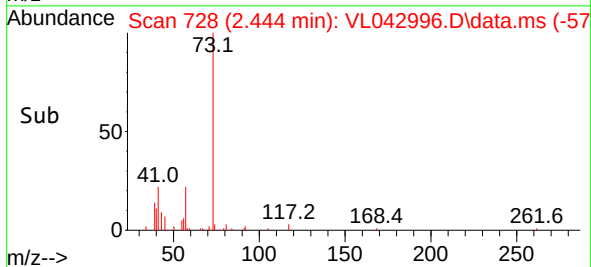
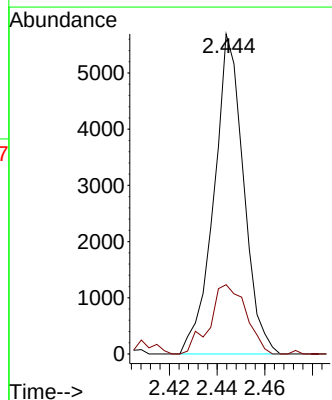
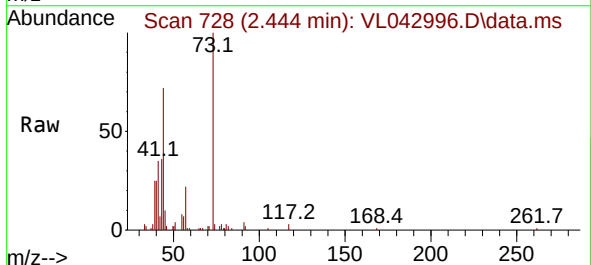
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

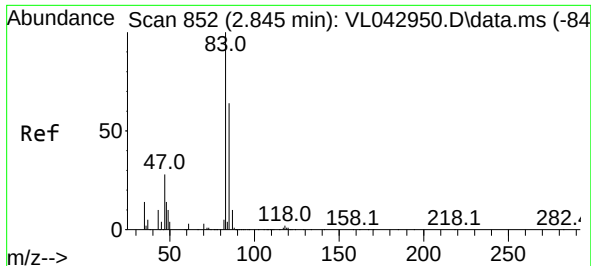
Tgt Ion: 76 Resp: 7211
Ion Ratio Lower Upper
76 100
44 96.0 15.6 23.4#
78 19.9 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.408 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 73 Resp: 4916
Ion Ratio Lower Upper
73 100
57 29.5 20.6 31.0





#29

Chloroform

Concen: 0.470 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

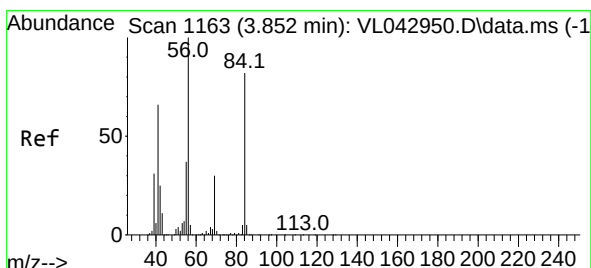
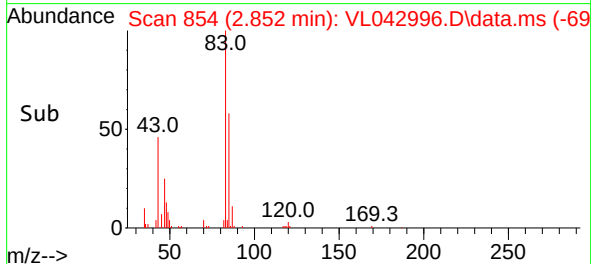
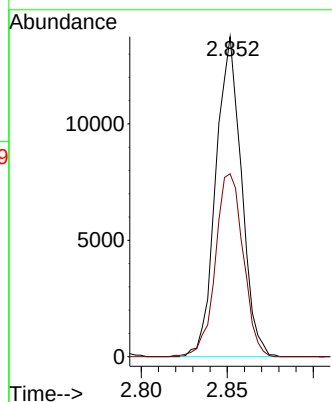
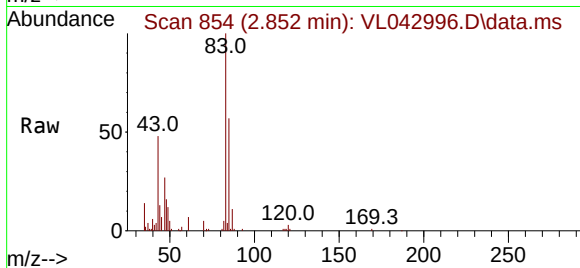
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 83 Resp: 14236

Ion Ratio Lower Upper

83 100

85 57.1 51.2 76.8



#30

Cyclohexane

Concen: 0.271 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

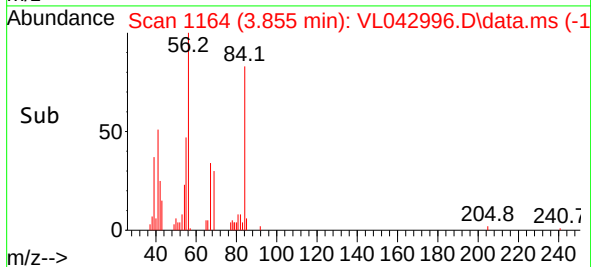
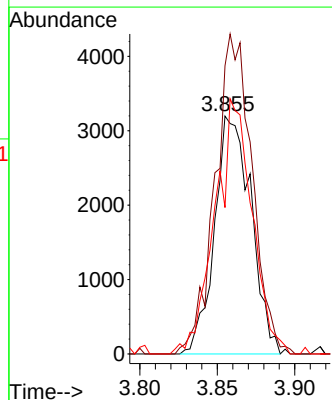
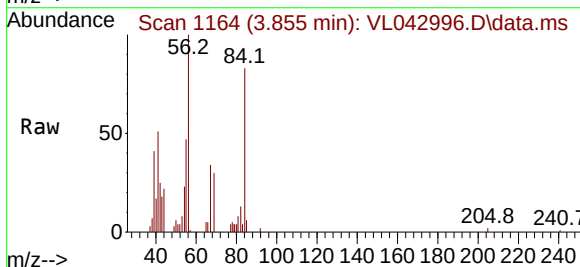
Tgt Ion: 84 Resp: 5245

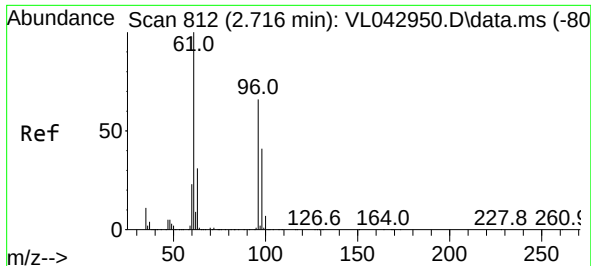
Ion Ratio Lower Upper

84 100

56 136.1 102.2 153.4

41 109.0 65.6 98.4#

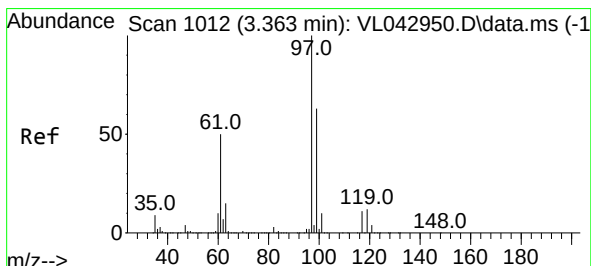
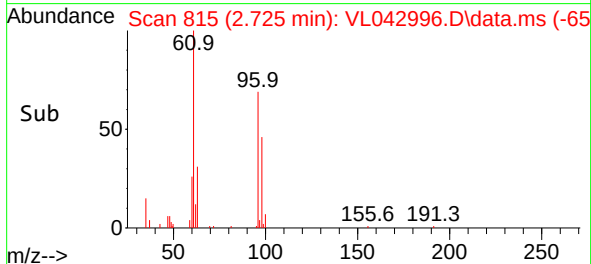
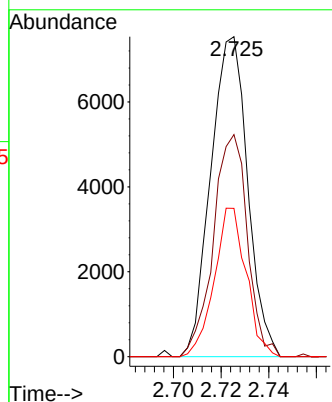
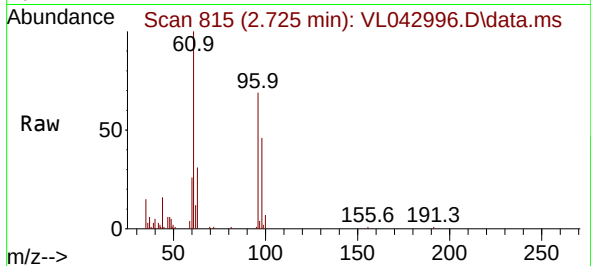




#31
 cis-1,2-Dichloroethene
 Concen: 0.374 ppbv
 RT: 2.725 min Scan# 812
 Delta R.T. 0.009 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

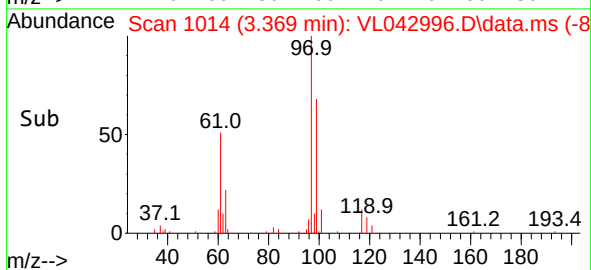
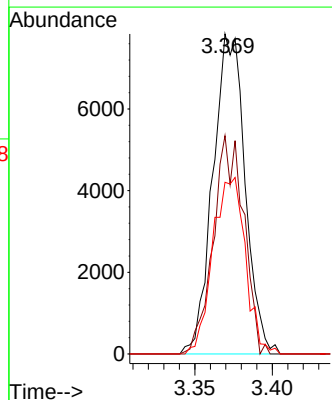
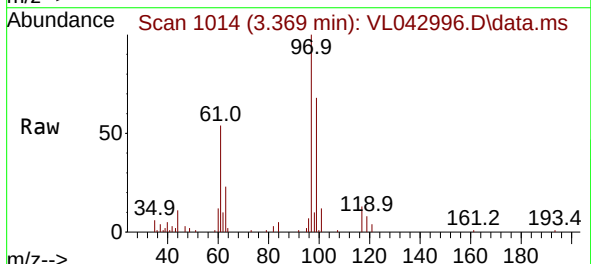
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

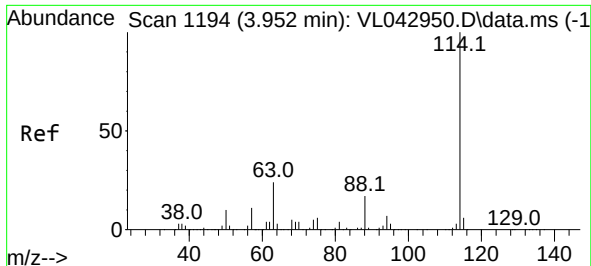
Tgt Ion:	61	Resp:	8108
Ion Ratio	Lower	Upper	
61	100		
96	69.4	53.0	79.6
98	46.3	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.345 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion:	97	Resp:	11300
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.1	76.7
61	56.1	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

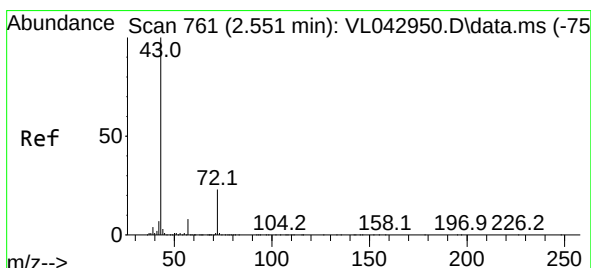
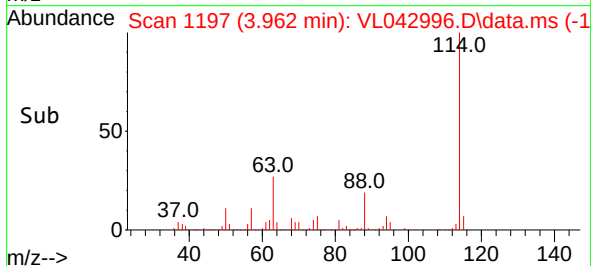
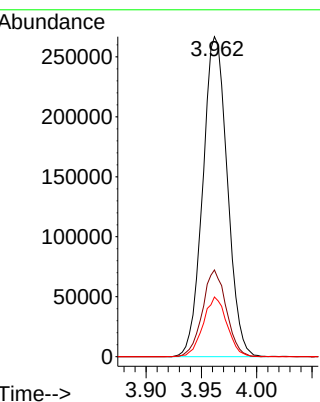
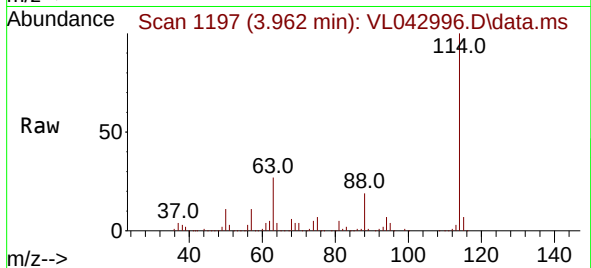
Tgt Ion:114 Resp: 411178

Ion Ratio Lower Upper

114 100

63 26.4 19.4 29.2

88 18.1 14.2 21.2



#34

2-Butanone

Concen: 0.438 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.016 min

Lab File: VL042996.D

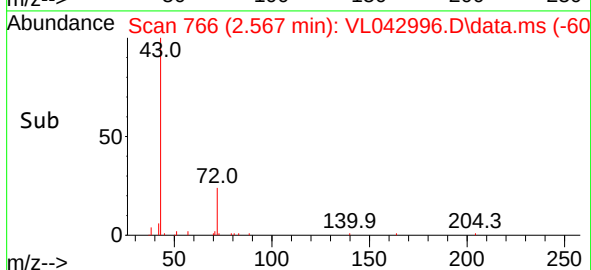
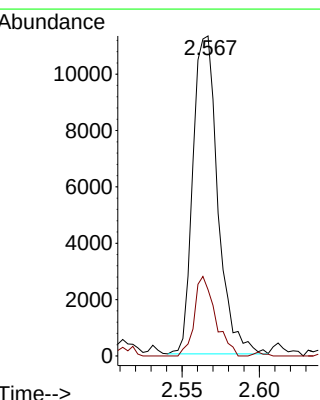
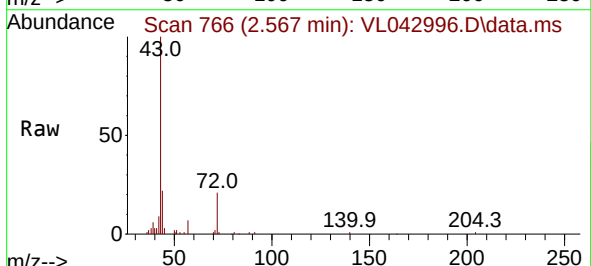
Acq: 23 Sep 2025 17:36

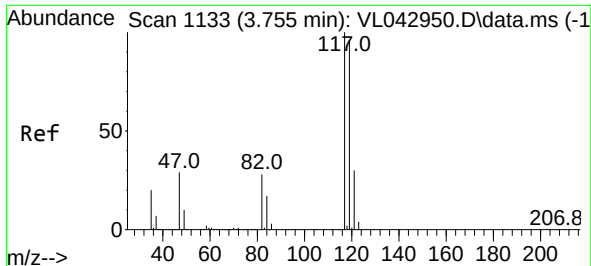
Tgt Ion: 43 Resp: 12622

Ion Ratio Lower Upper

43 100

72 21.5 17.7 26.5

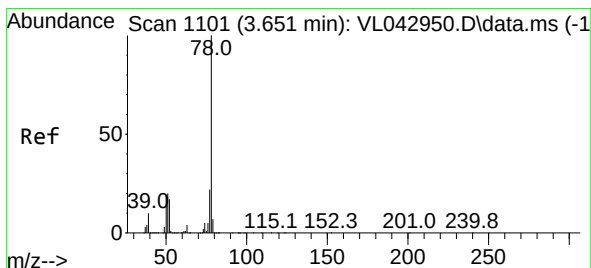
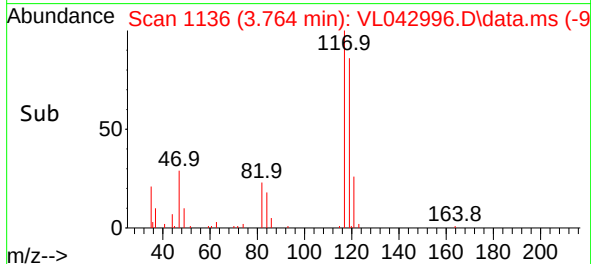
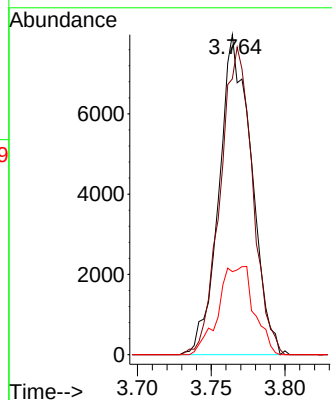
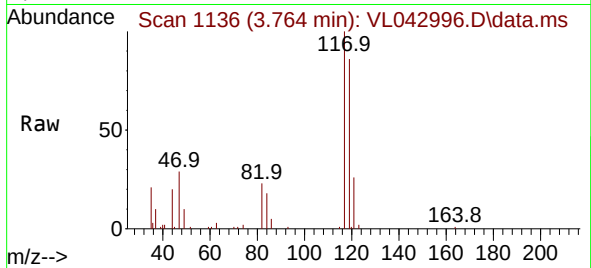




#35
Carbon Tetrachloride
Concen: 0.455 ppbv
RT: 3.764 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

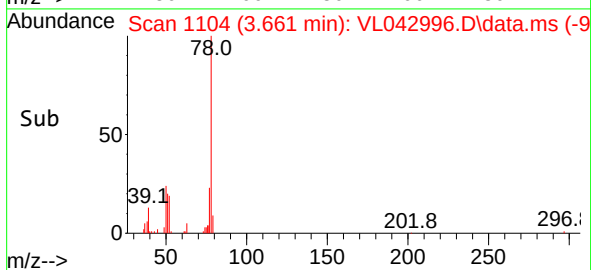
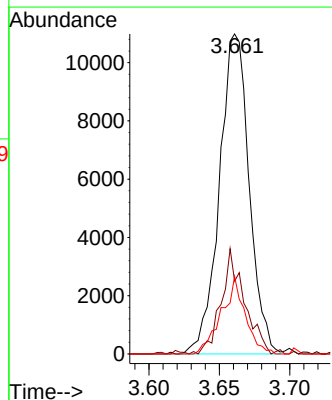
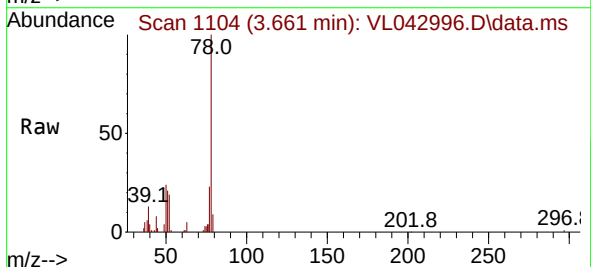
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

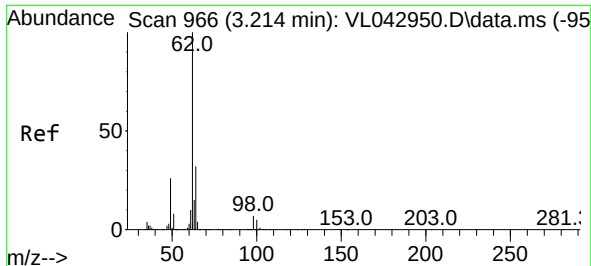
Tgt Ion:117 Resp: 12167
Ion Ratio Lower Upper
117 100
119 86.2 76.9 115.3
121 25.9 23.7 35.5



#36
Benzene
Concen: 0.419 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 78 Resp: 16193
Ion Ratio Lower Upper
78 100
77 22.2 17.8 26.6
50 24.3 15.0 22.4#





#37

1,2-Dichloroethane

Concen: 0.528 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

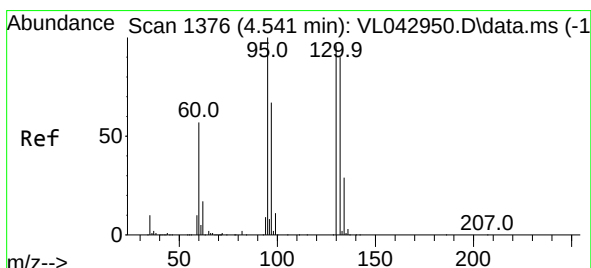
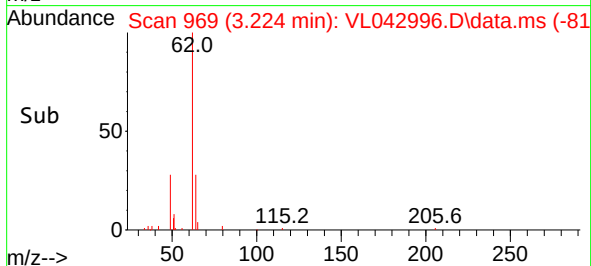
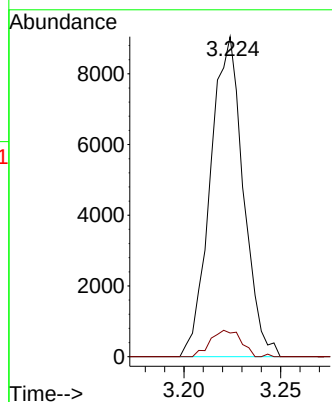
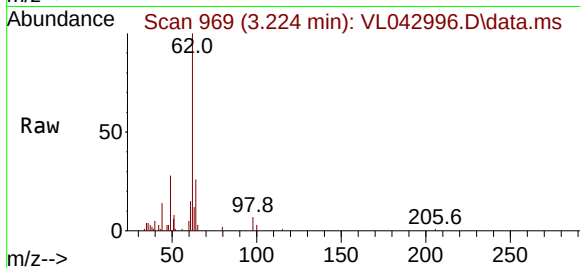
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 62 Resp: 10732

Ion Ratio Lower Upper

62 100

98 7.7 5.9 8.9



#38

Trichloroethene

Concen: 0.395 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.013 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Tgt Ion:130 Resp: 7572

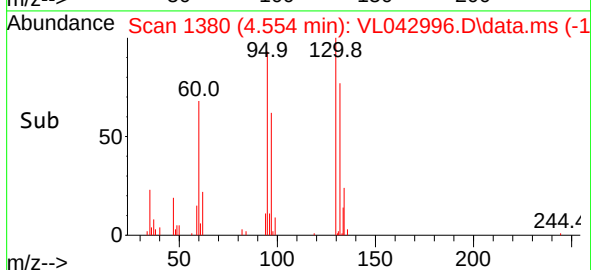
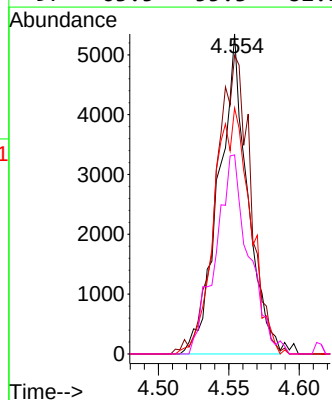
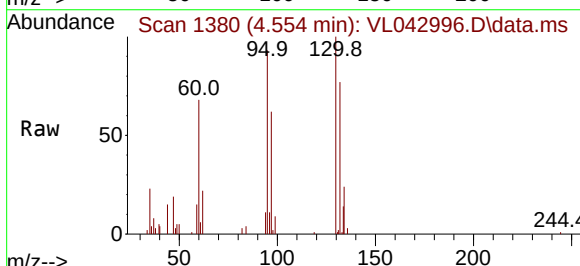
Ion Ratio Lower Upper

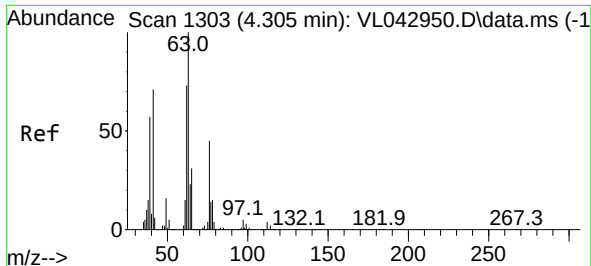
130 100

95 91.3 83.0 124.4

132 76.0 74.6 112.0

97 63.5 55.3 82.9





#39

1,2-Dichloropropane

Concen: 0.141 ppbv

RT: 4.308 min Scan# 1303

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

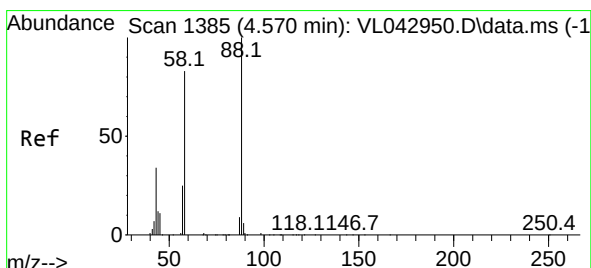
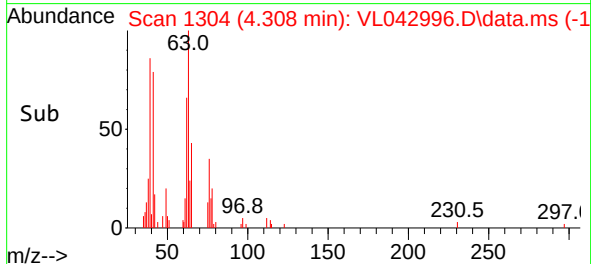
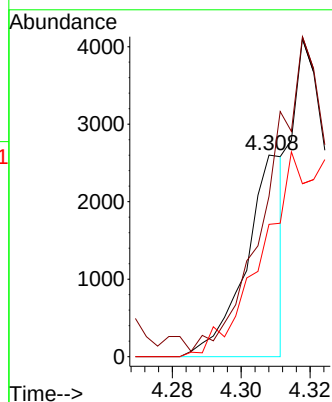
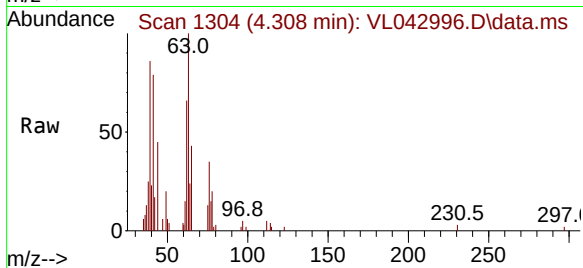
Tgt Ion: 63 Resp: 1984

Ion Ratio Lower Upper

63 100

41 69.4 57.5 86.3

62 65.6 58.5 87.7



#40

1,4-Dioxane

Concen: 0.245 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.032 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Tgt Ion: 88 Resp: 1609

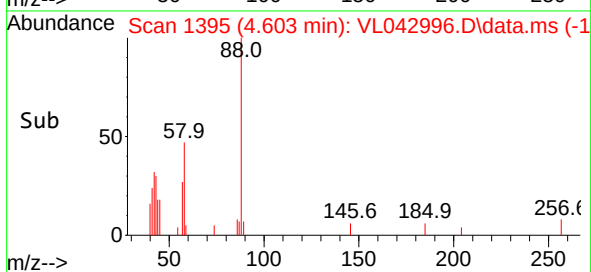
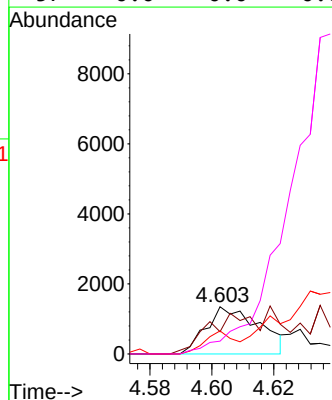
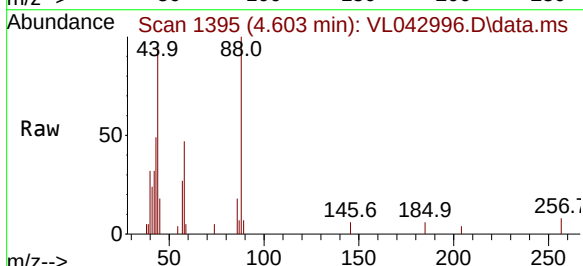
Ion Ratio Lower Upper

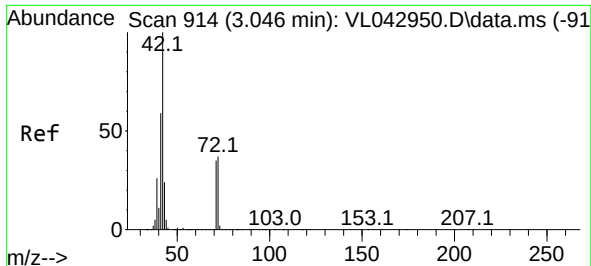
88 100

58 111.1 59.7 89.5#

43 0.0 28.9 43.3#

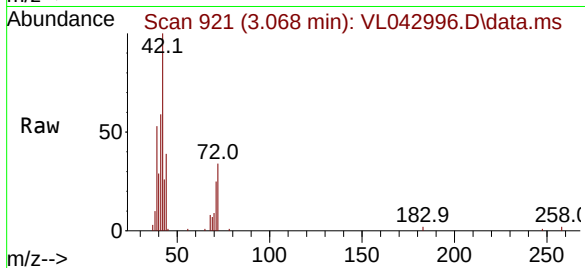
57 0.0 0.0 0.0



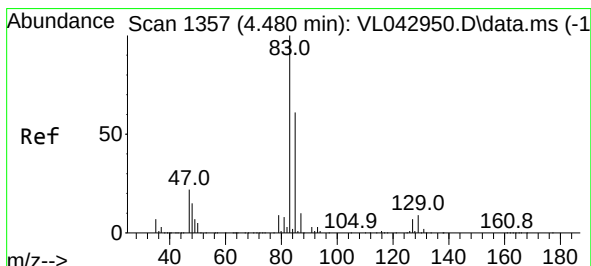
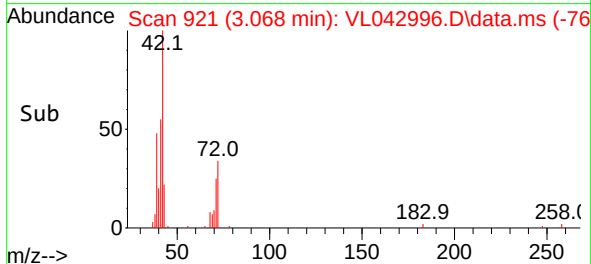
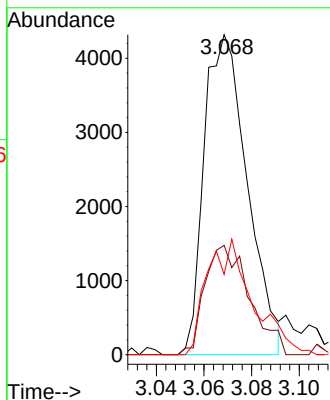


#41
Tetrahydrofuran
Concen: 0.329 ppbv
RT: 3.068 min Scan# 914
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

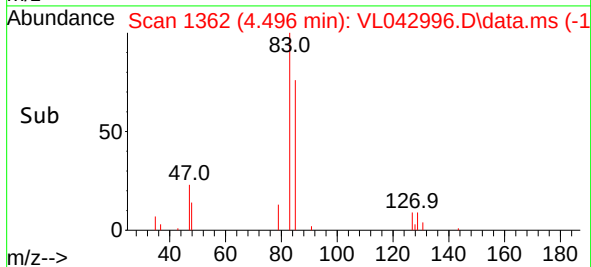
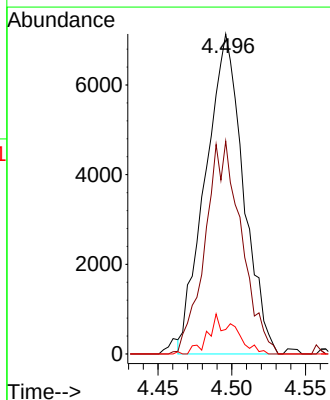
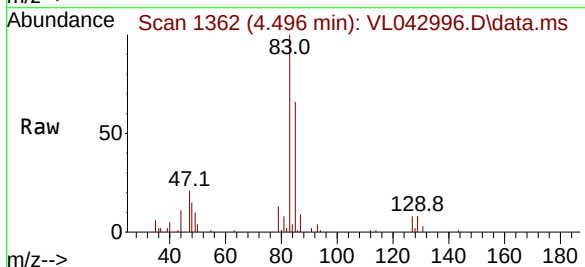


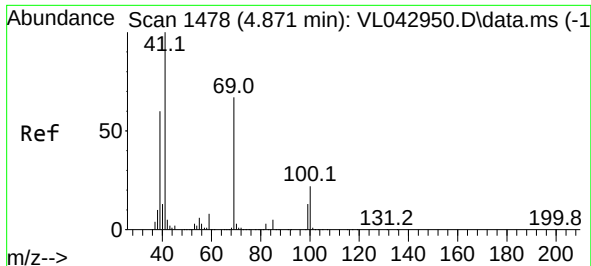
Tgt Ion:	42	Resp:	5445
Ion	Ratio	Lower	Upper
42	100		
72	35.3	30.0	45.0
71	37.9	28.8	43.2



#42
Bromodichloromethane
Concen: 0.452 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:	83	Resp:	12792
Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.0	73.6
127	7.6	5.3	7.9





#43

Methyl Methacrylate

Concen: 0.270 ppbv

RT: 4.894 min Scan# 1485

Delta R.T. 0.022 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

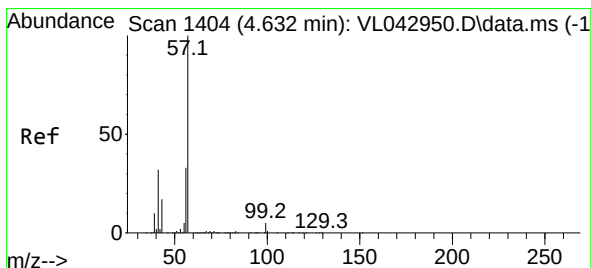
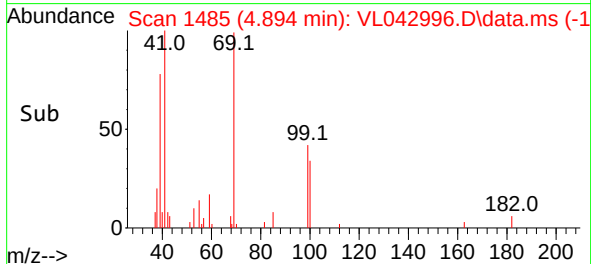
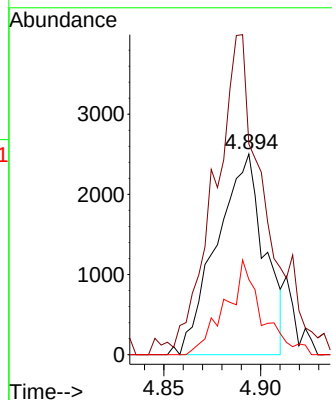
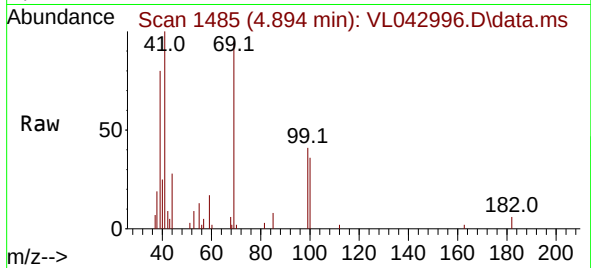
Tgt Ion: 69 Resp: 4263

Ion Ratio Lower Upper

69 100

41 172.0 124.5 186.7

100 36.6 29.0 43.6



#44

2,2,4-Trimethylpentane

Concen: 0.368 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.013 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

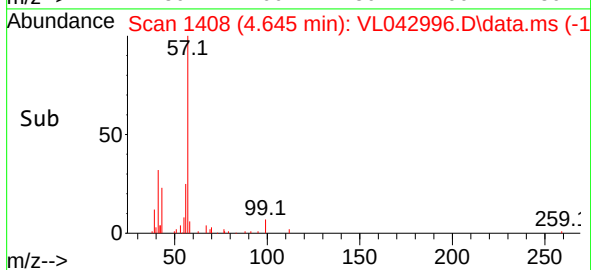
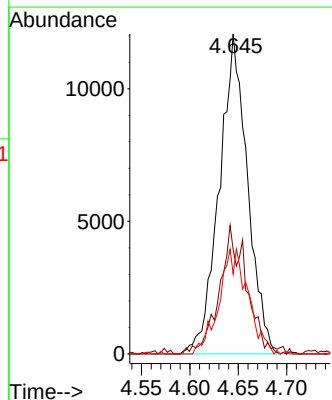
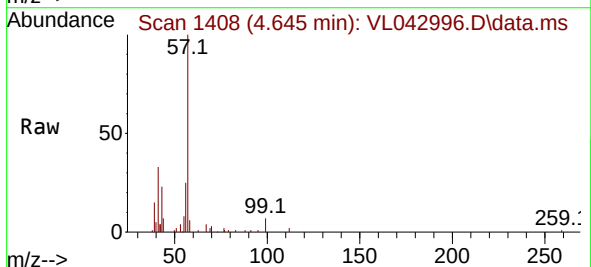
Tgt Ion: 57 Resp: 24557

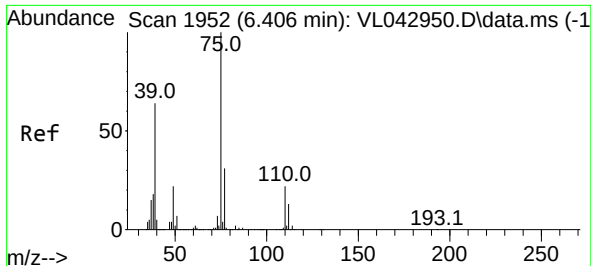
Ion Ratio Lower Upper

57 100

41 39.1 25.5 38.3#

56 33.7 25.8 38.8

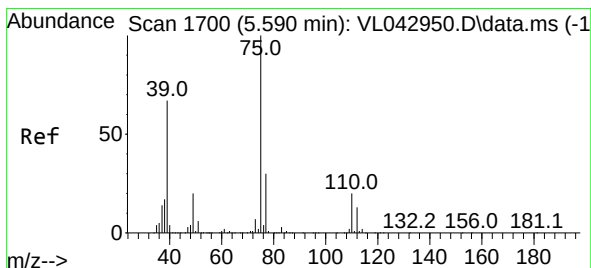
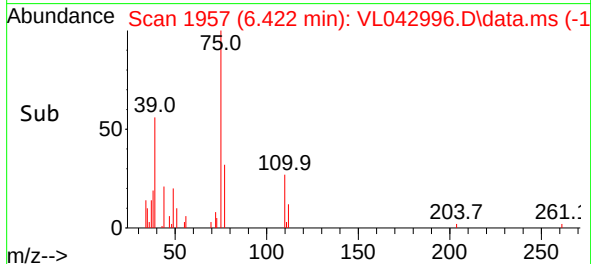
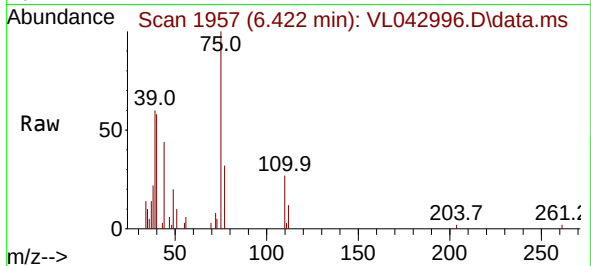




#45
t-1,3-Dichloropropene
Concen: 0.105 ppbv
RT: 6.422 min Scan# 1952
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

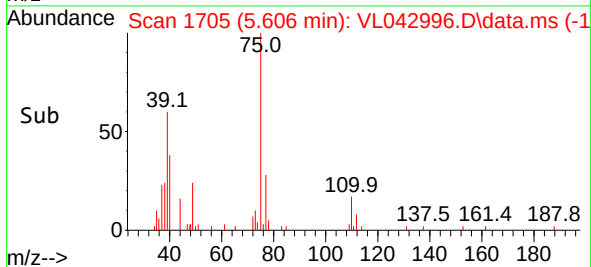
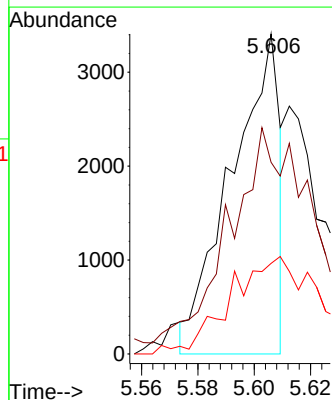
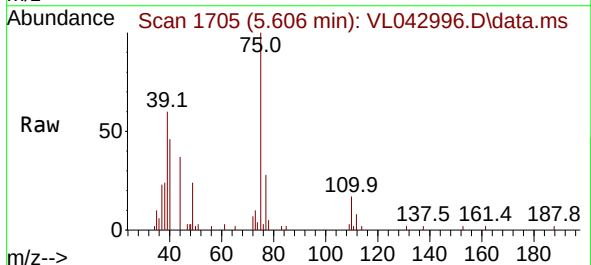
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

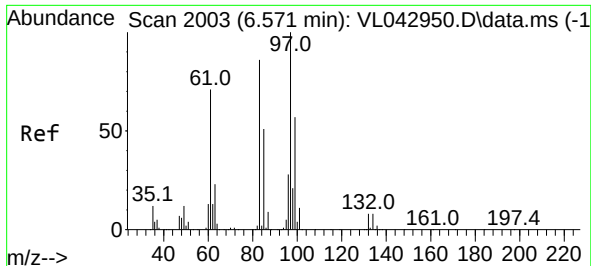
Tgt Ion: 75 Resp: 1768
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4



#46
cis-1,3-Dichloropropene
Concen: 0.188 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 75 Resp: 4043
Ion Ratio Lower Upper
75 100
39 55.3 53.8 80.6
77 28.8 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 0.243 ppbv

RT: 6.587 min Scan# 2008

Delta R.T. 0.016 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 97 Resp: 3623

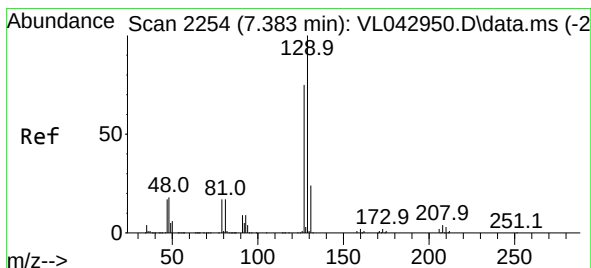
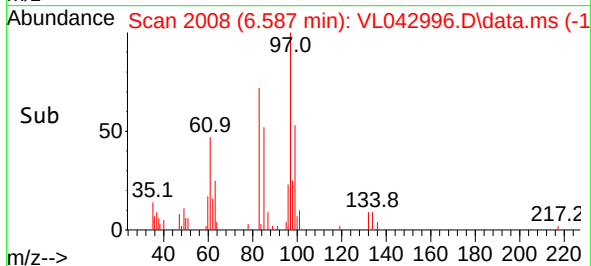
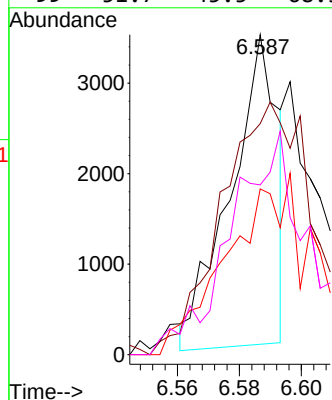
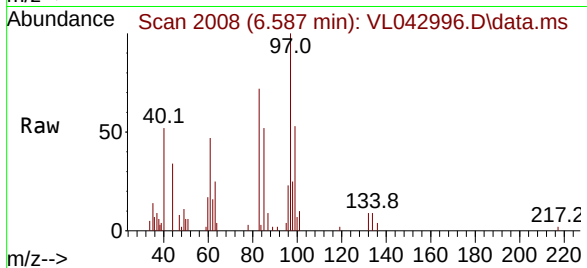
Ion Ratio Lower Upper

97 100

83 76.0 68.7 103.1

85 46.9 40.6 60.8

99 51.7 45.5 68.3



#48

Dibromochloromethane

Concen: 0.400 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.010 min

Lab File: VL042996.D

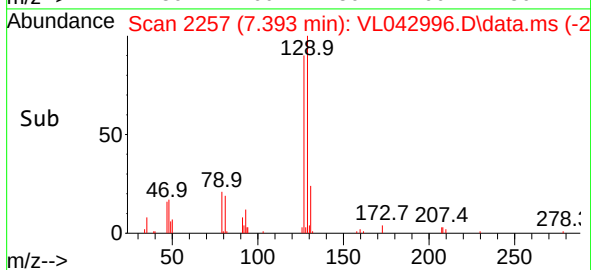
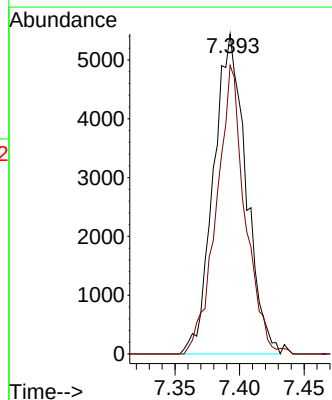
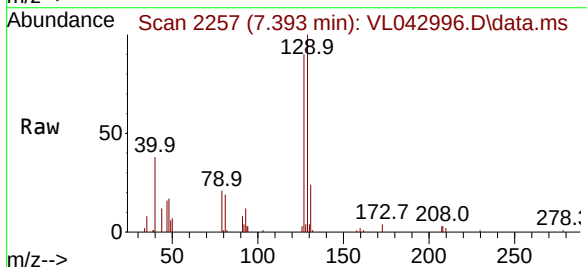
Acq: 23 Sep 2025 17:36

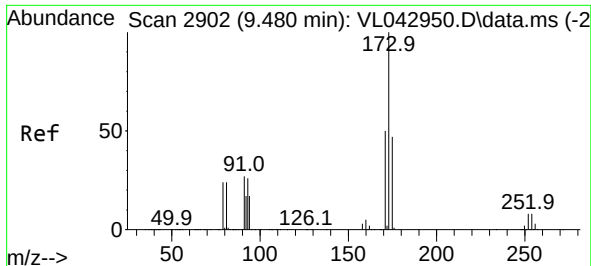
Tgt Ion: 129 Resp: 9529

Ion Ratio Lower Upper

129 100

127 79.6 39.1 117.2





#49

Bromoform

Concen: 0.164 ppbv

RT: 9.490 min Scan# 2902

Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

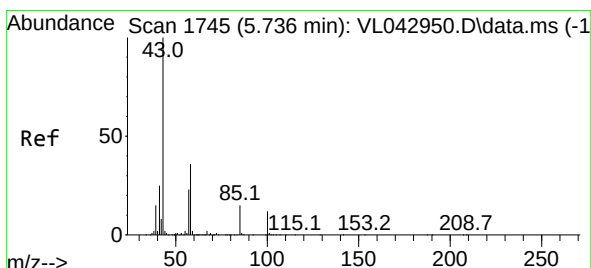
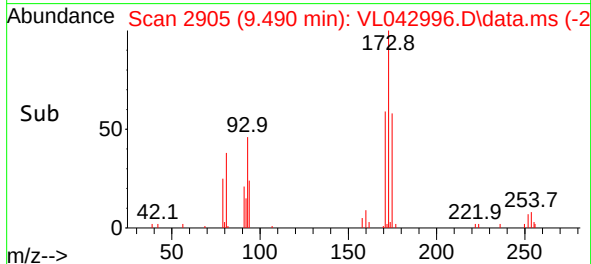
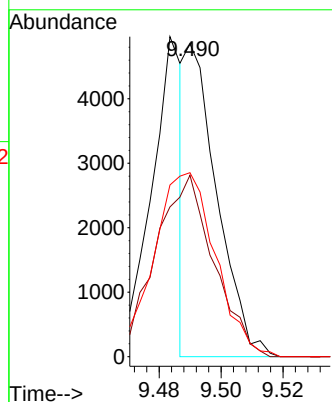
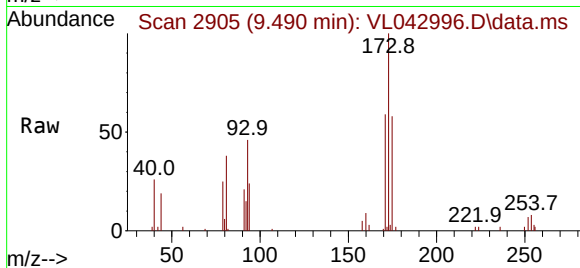
Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:173	Resp:	3402
Ion	Ratio	Lower Upper
173	100	
175	109.6	37.9 56.9#
171	115.3	41.1 61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.133 ppbv

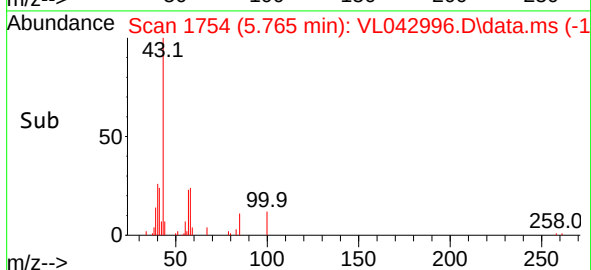
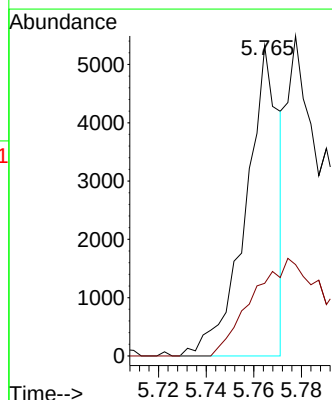
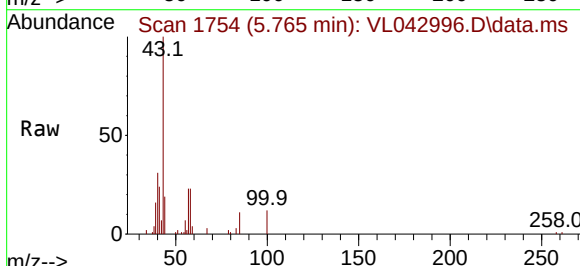
RT: 5.765 min Scan# 1754

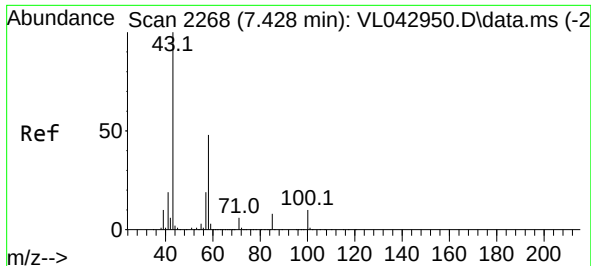
Delta R.T. 0.029 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Tgt Ion: 43	Resp:	5153
Ion	Ratio	Lower Upper
43	100	
58	0.0	28.4 42.6#

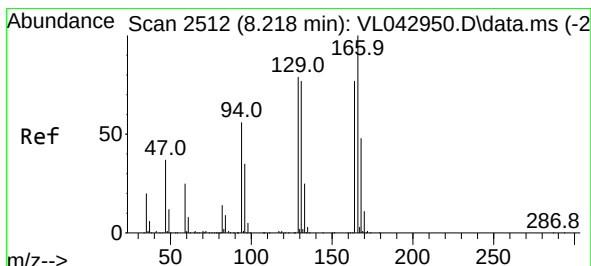
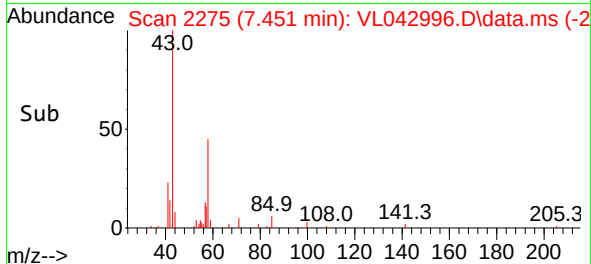
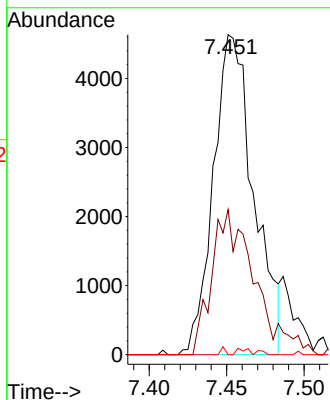
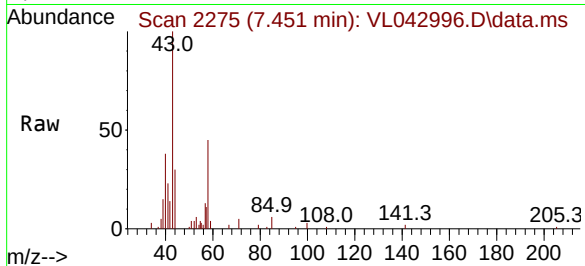




#51
2-Hexanone
Concen: 0.272 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

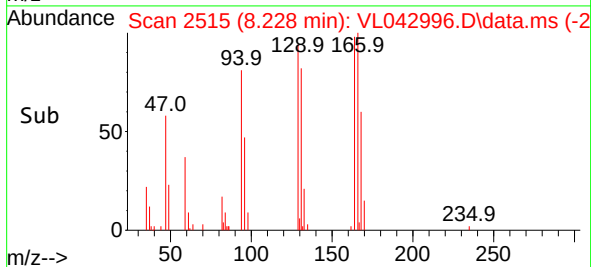
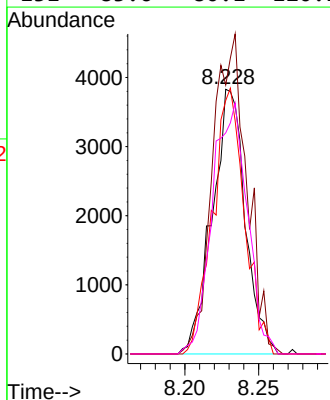
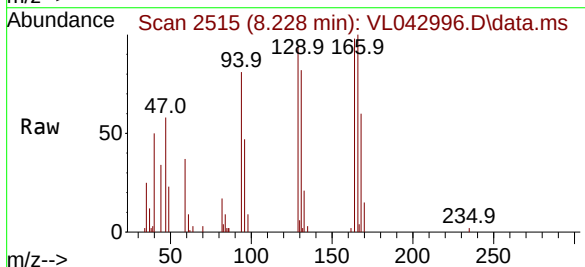
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

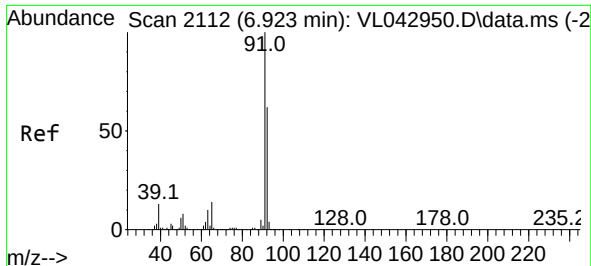
Tgt Ion: 43 Resp: 8384
Ion Ratio Lower Upper
43 100
58 48.4 39.7 59.5
98 1.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.398 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 164 Resp: 5951
Ion Ratio Lower Upper
164 100
166 101.6 103.5 155.3#
129 95.7 82.2 123.4
131 83.6 80.1 120.1

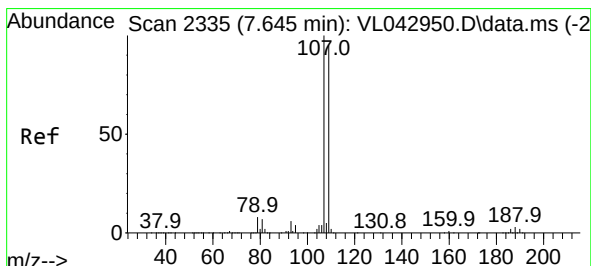
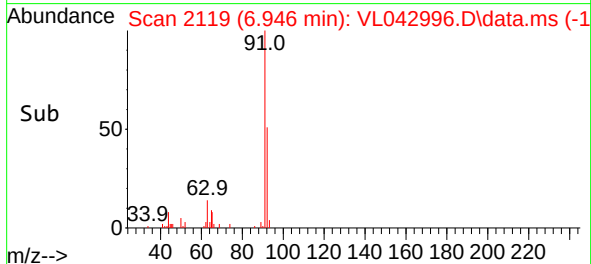
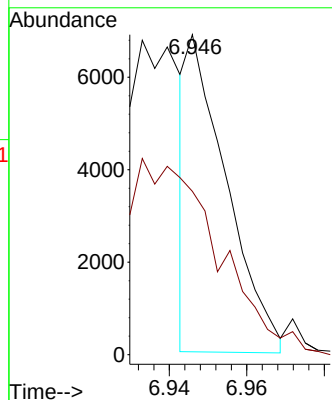
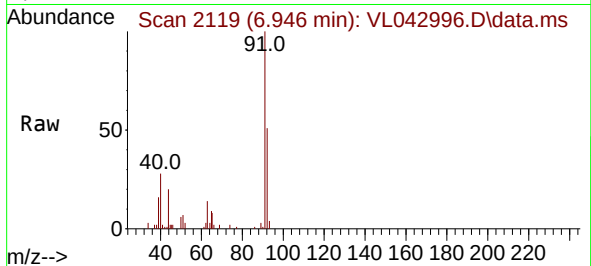




#53
Toluene
Concen: 0.106 ppbv
RT: 6.946 min Scan# 2112
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

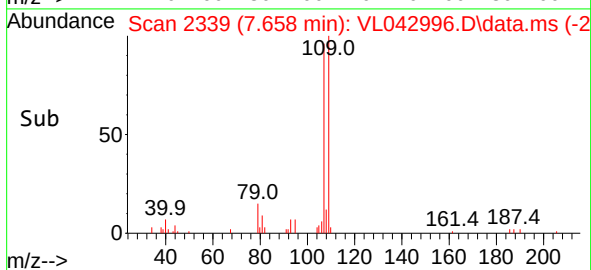
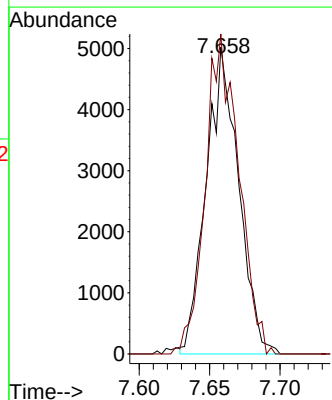
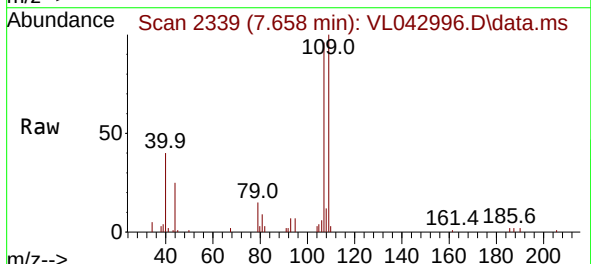
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

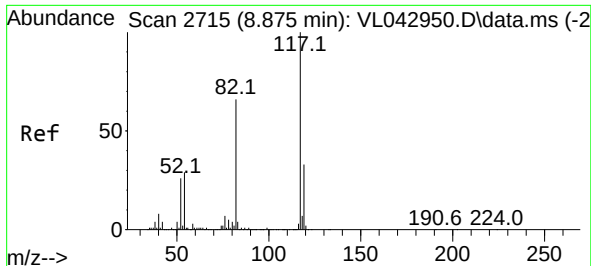
Tgt Ion: 91 Resp: 4860
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#



#54
1,2-Dibromoethane
Concen: 0.383 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 107 Resp: 8030
Ion Ratio Lower Upper
107 100
109 104.3 75.8 113.8

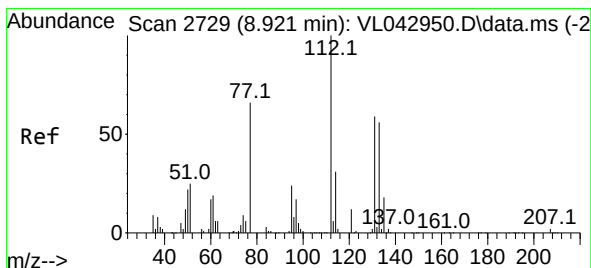
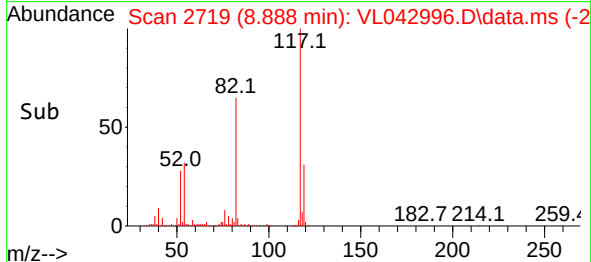
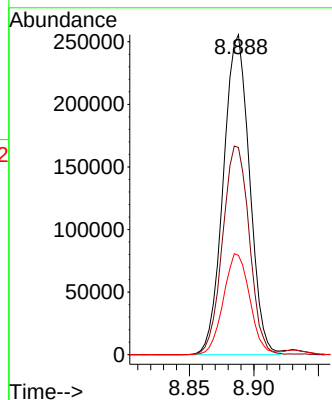
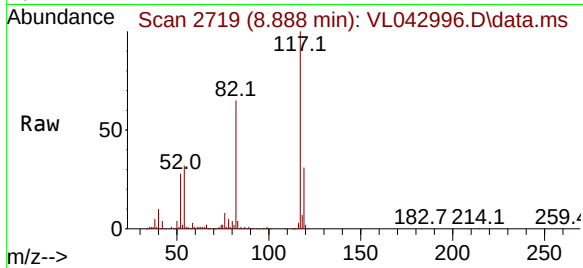




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

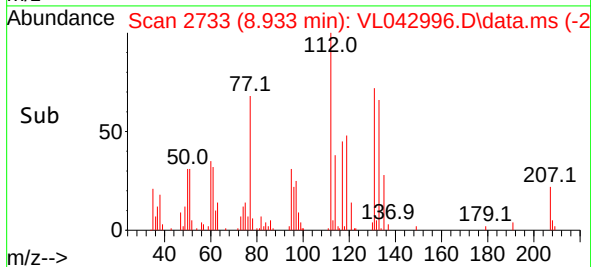
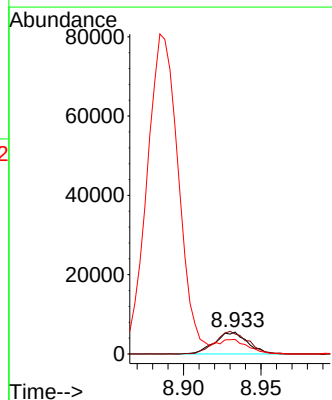
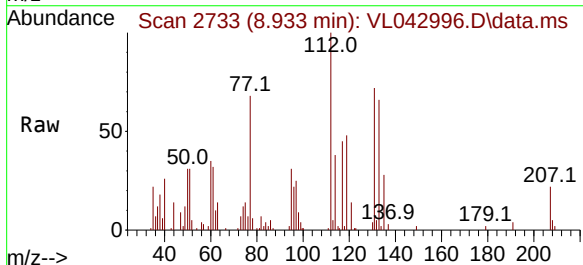
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

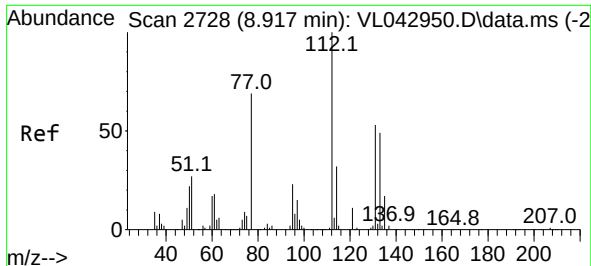
Tgt Ion:117 Resp: 360730
Ion Ratio Lower Upper
117 100
82 66.6 52.8 79.2
119 33.2 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.467 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:131 Resp: 8058
Ion Ratio Lower Upper
131 100
133 103.6 76.6 114.8
119 1485.1 49.9 74.9#

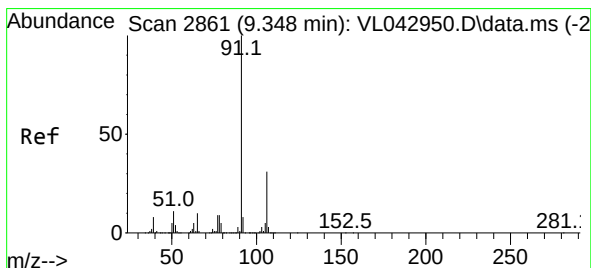
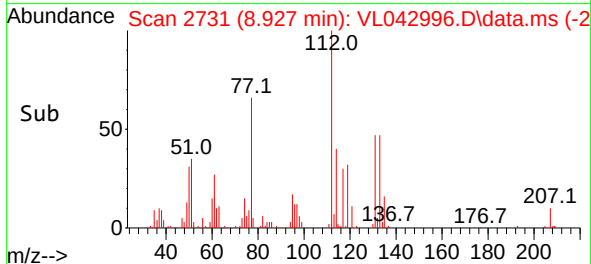
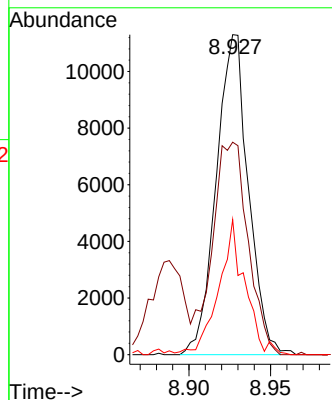
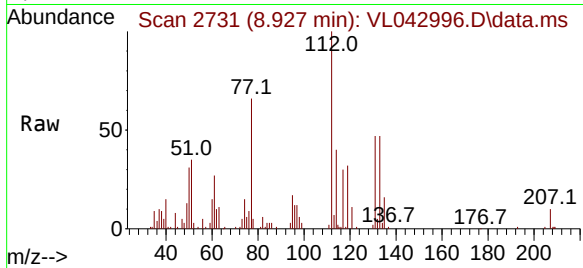




#57
Chlorobenzene
Concen: 0.470 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

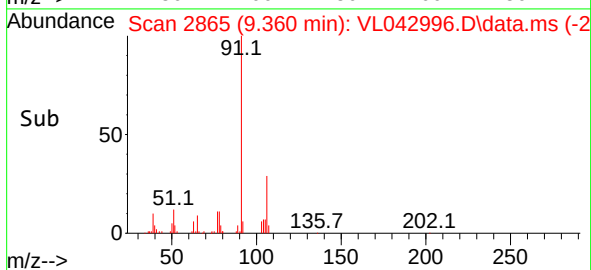
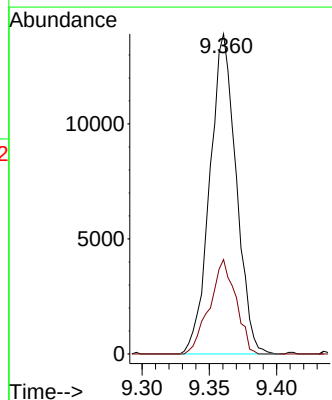
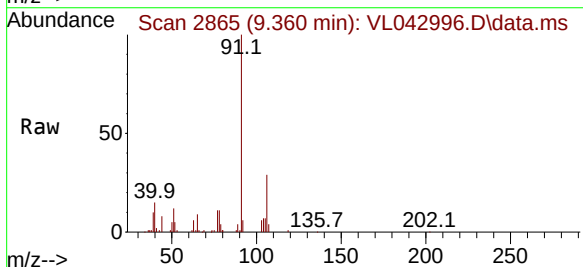
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

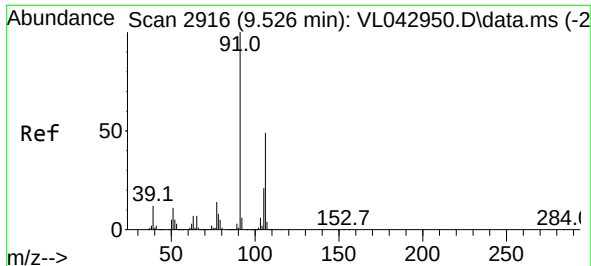
Tgt Ion:112 Resp: 15483
Ion Ratio Lower Upper
112 100
77 71.1 55.7 83.5
114 41.5 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.319 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 91 Resp: 18907
Ion Ratio Lower Upper
91 100
106 29.5 24.6 37.0





#59

m/p-Xylene

Concen: 0.259 ppbv

RT: 9.535 min Scan# 2916

Delta R.T. 0.009 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

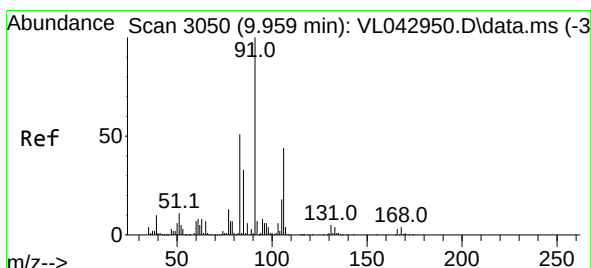
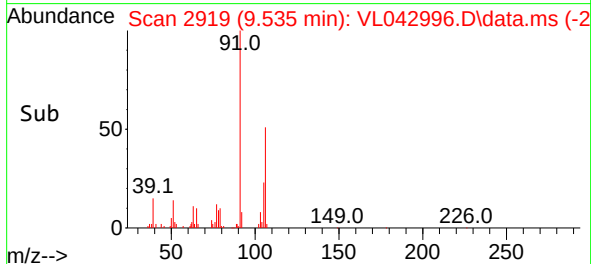
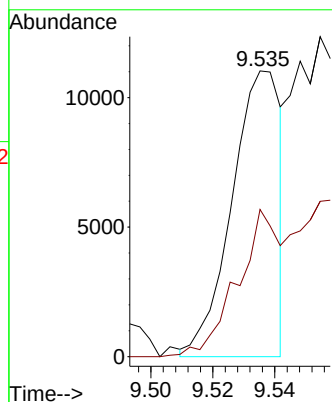
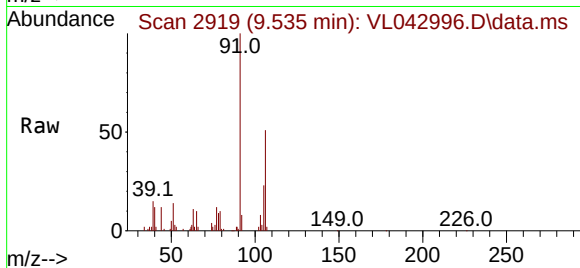
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 91 Resp: 12083

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.303 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL042996.D

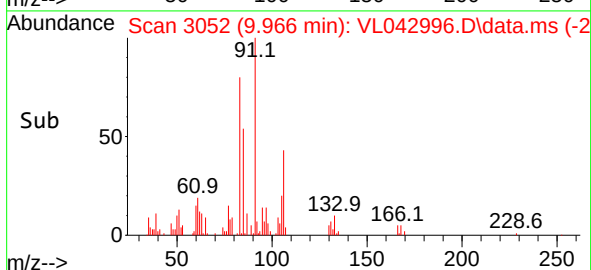
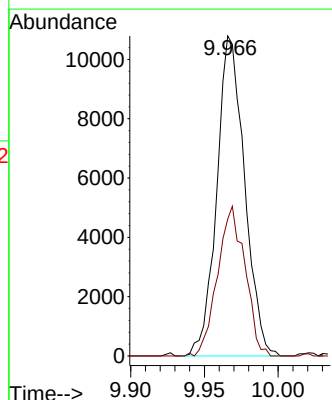
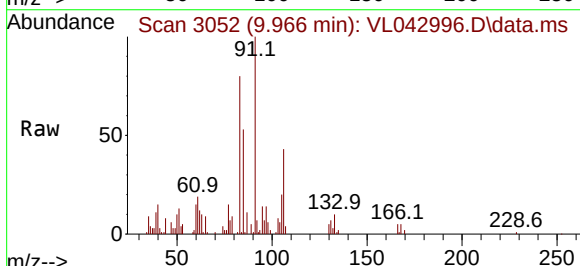
Acq: 23 Sep 2025 17:36

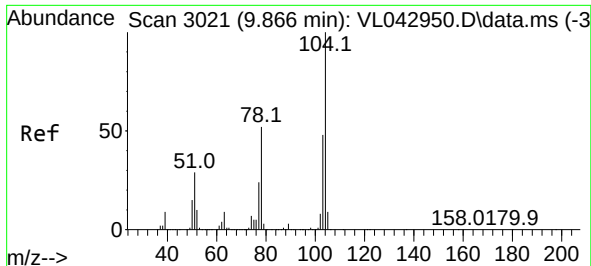
Tgt Ion: 91 Resp: 14150

Ion Ratio Lower Upper

91 100

106 46.1 22.4 67.0

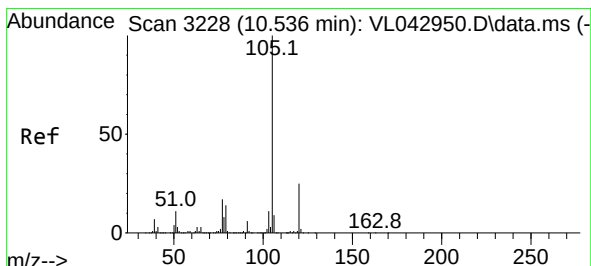
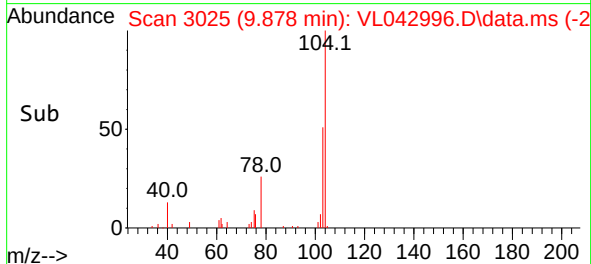
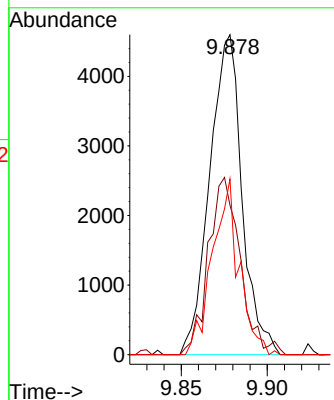
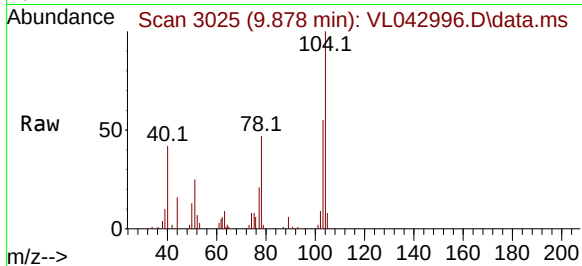




#61
Styrene
Concen: 0.272 ppbv
RT: 9.878 min Scan# 3021
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

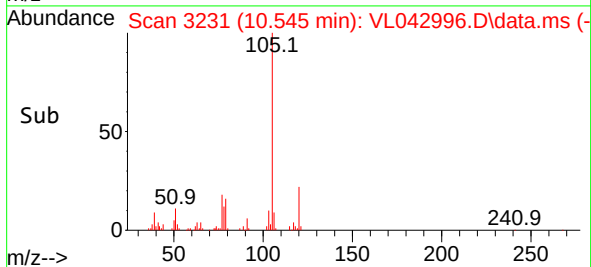
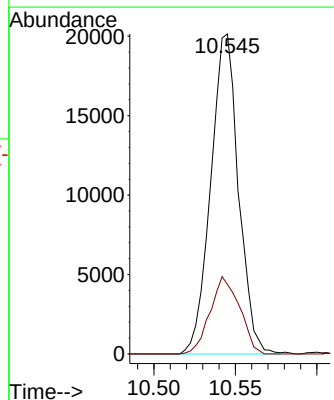
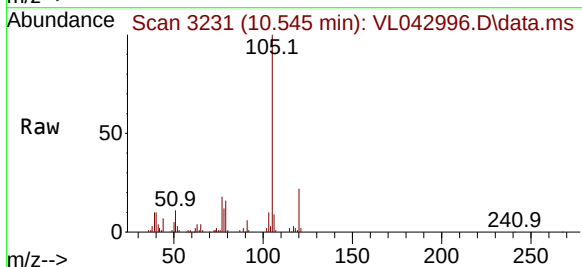
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

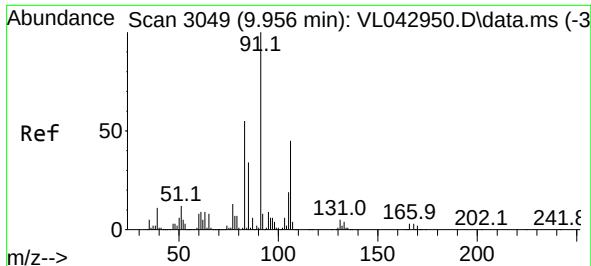
Tgt Ion:104 Resp: 6013
Ion Ratio Lower Upper
104 100
78 55.0 39.9 59.9
103 45.4 36.9 55.3



#62
Isopropylbenzene
Concen: 0.343 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.009 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:105 Resp: 23881
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.479 ppbv

RT: 9.969 min Scan# 3049

Delta R.T. 0.013 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

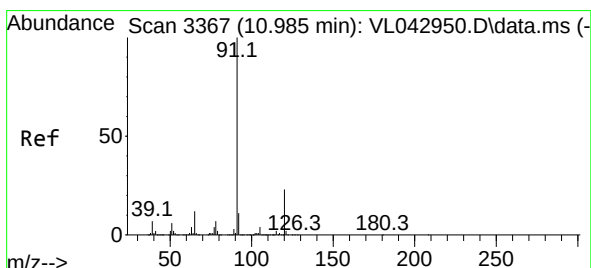
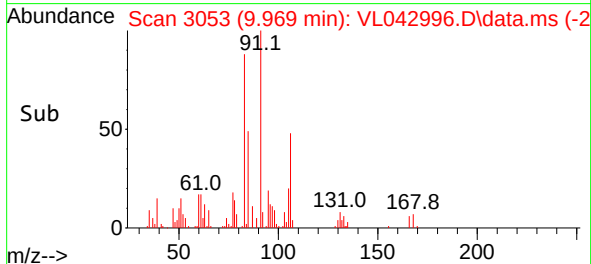
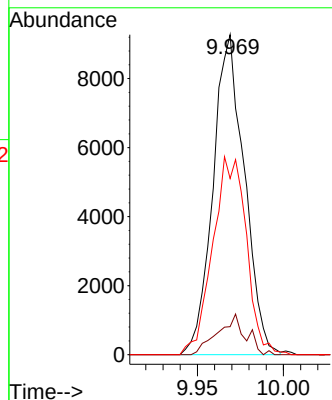
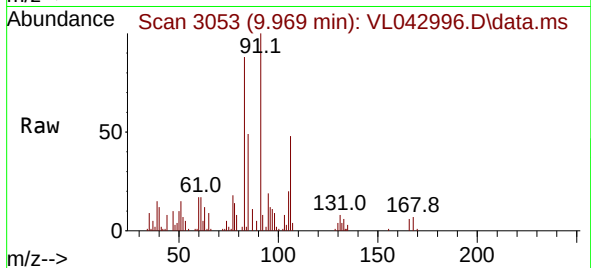
Tgt Ion: 83 Resp: 11763

Ion Ratio Lower Upper

83 100

131 11.2 4.8 14.4

85 66.2 32.2 96.6



#64

n-propylbenzene

Concen: 0.324 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.010 min

Lab File: VL042996.D

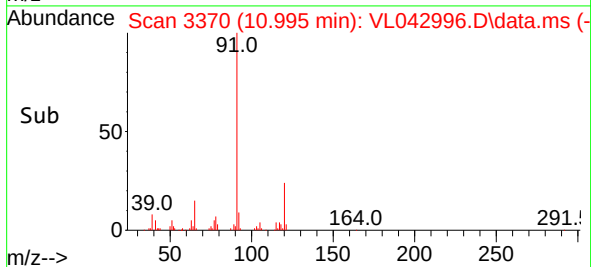
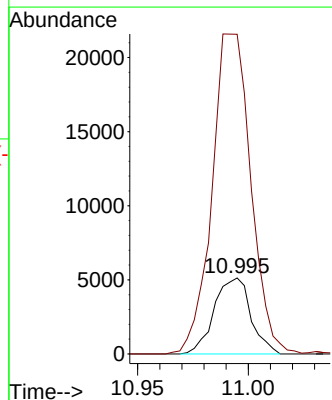
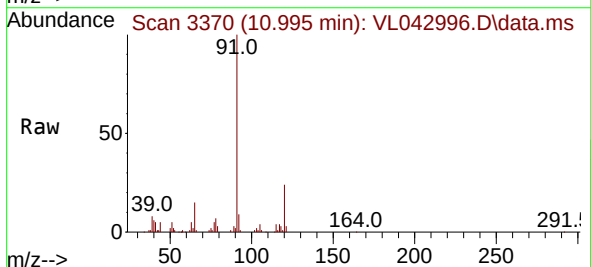
Acq: 23 Sep 2025 17:36

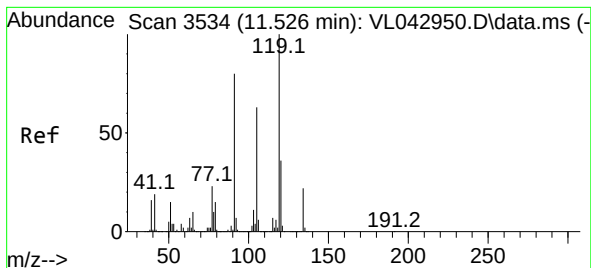
Tgt Ion: 120 Resp: 5893

Ion Ratio Lower Upper

120 100

91 448.9 364.9 547.3





#65

tert-Butylbenzene

Concen: 0.300 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

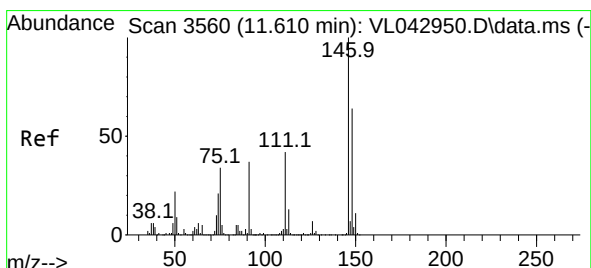
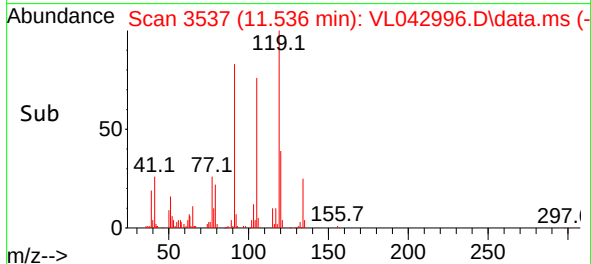
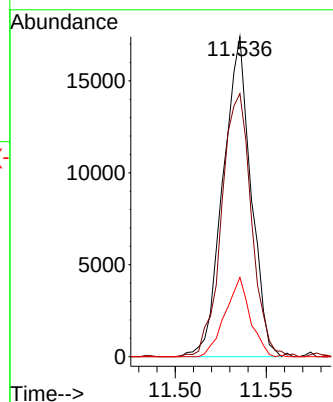
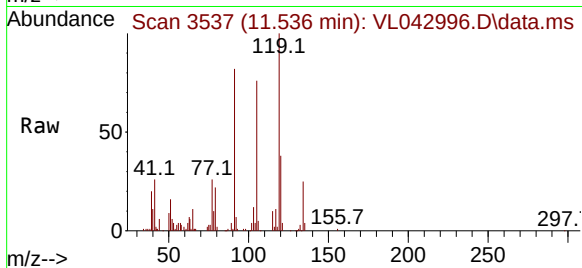
Tgt Ion:119 Resp: 18555

Ion Ratio Lower Upper

119 100

91 88.7 63.1 94.7

134 22.2 17.0 25.6



#66

Benzyl Chloride

Concen: 0.193 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

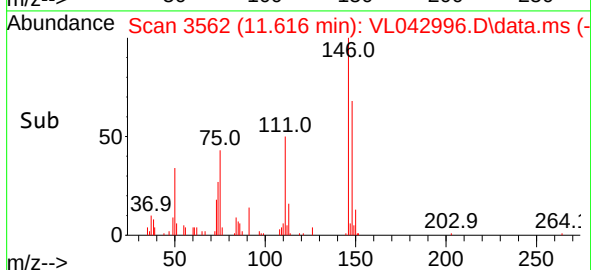
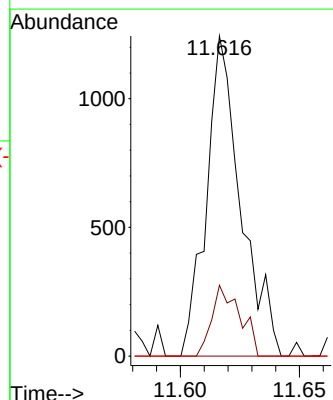
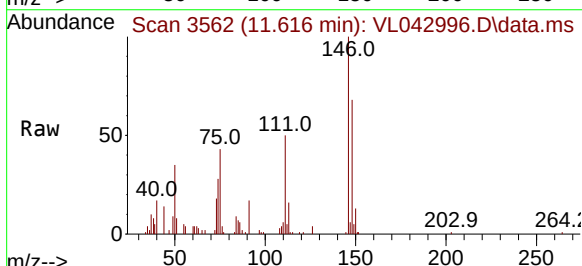
Tgt Ion: 91 Resp: 1253

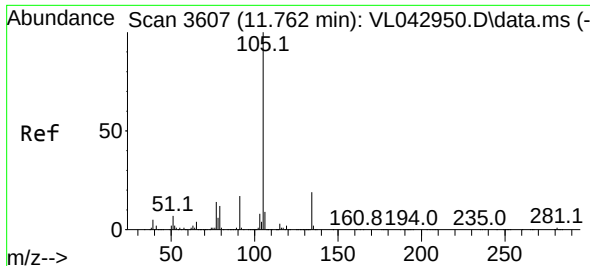
Ion Ratio Lower Upper

91 100

126 18.0 14.6 21.8

128 0.0 5.0 7.4#

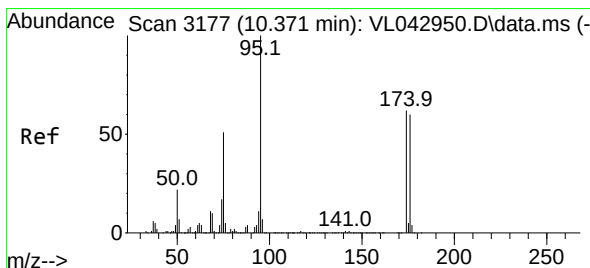
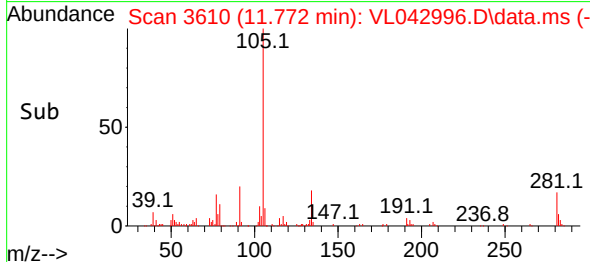
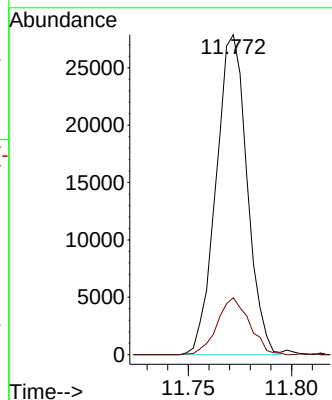
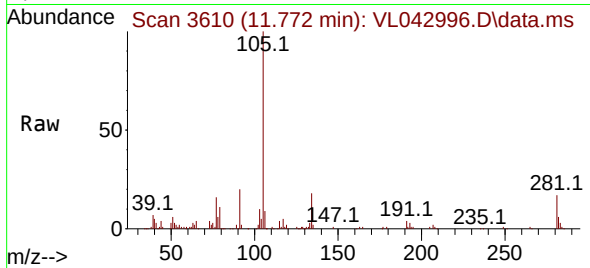




#67
 sec-Butylbenzene
 Concen: 0.337 ppbv
 RT: 11.772 min Scan# 310
 Delta R.T. 0.009 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

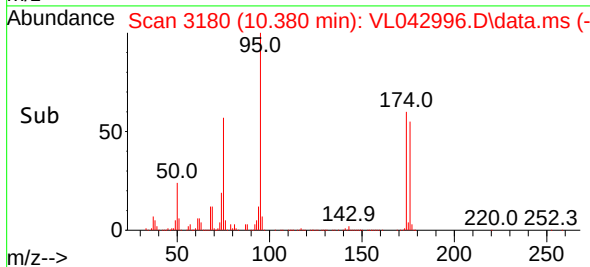
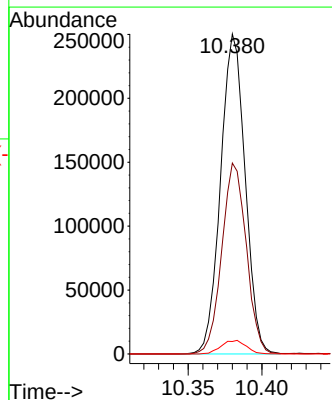
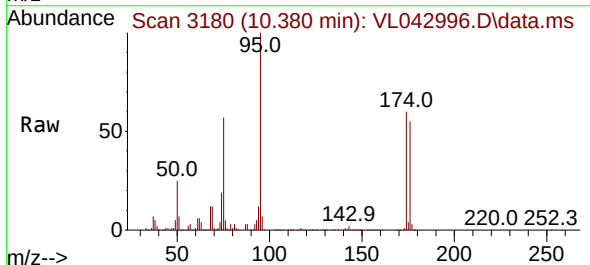
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

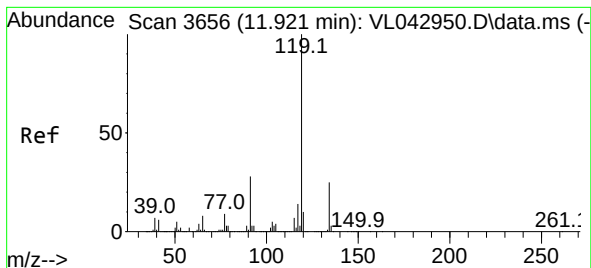
Tgt Ion:105 Resp: 29078
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.759 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.009 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion: 95 Resp: 289702
 Ion Ratio Lower Upper
 95 100
 174 59.6 51.4 77.2
 175 4.4 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.287 ppbv

RT: 11.927 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

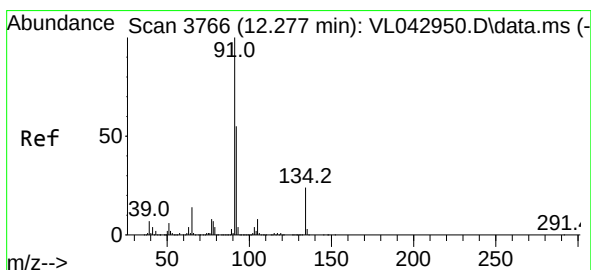
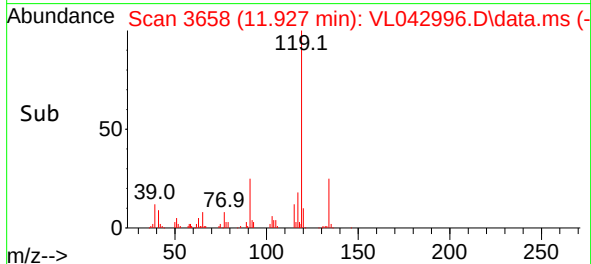
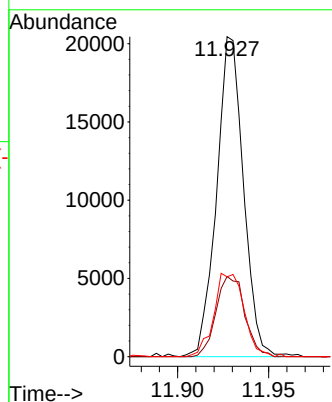
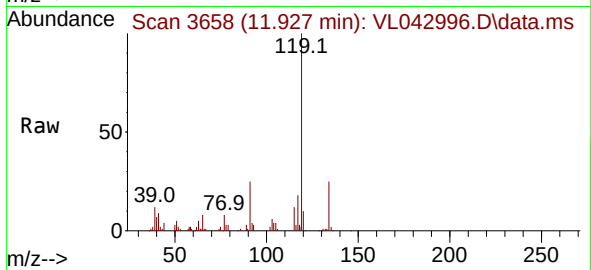
Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	119	Resp:	20936
Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.0	31.4
91	29.2	22.3	33.5



#70

n-Butylbenzene

Concen: 0.274 ppbv

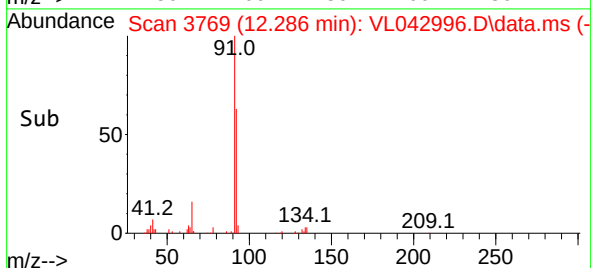
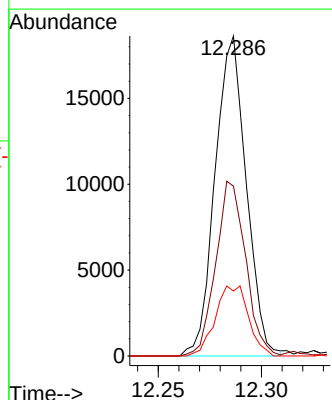
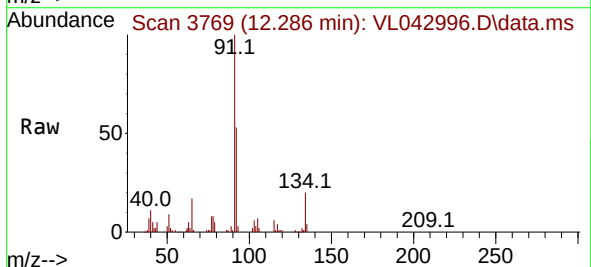
RT: 12.286 min Scan# 3769

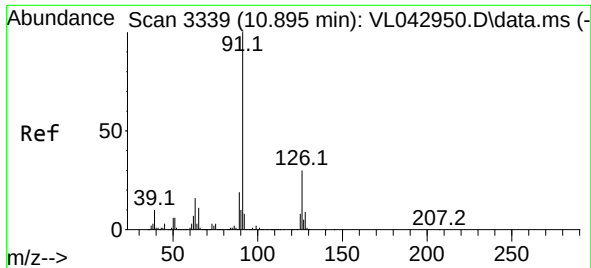
Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Tgt Ion:	91	Resp:	19505
Ion	Ratio	Lower	Upper
91	100		
92	53.4	44.0	66.0
134	23.4	19.4	29.2

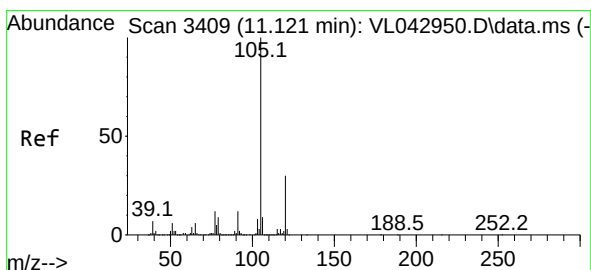
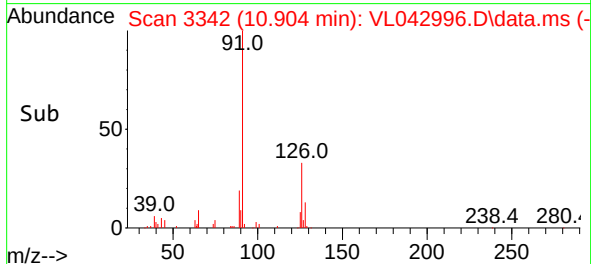
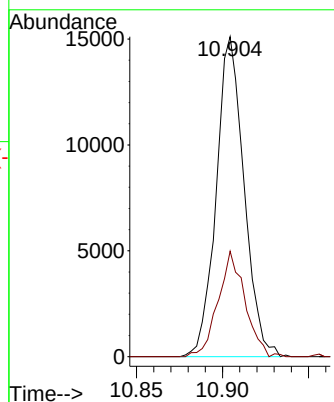
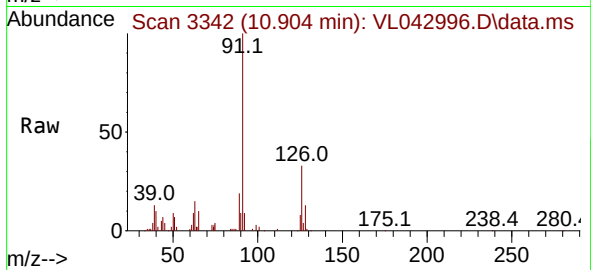




#71
2-Chlorotoluene
Concen: 0.323 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

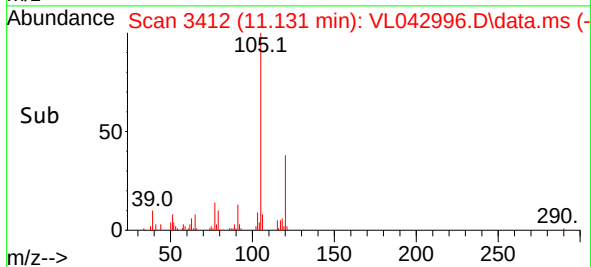
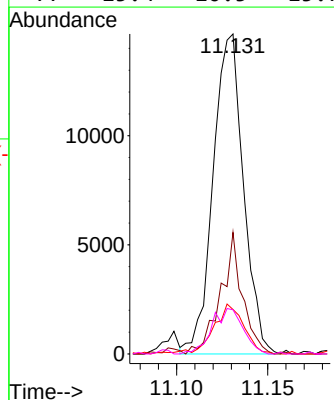
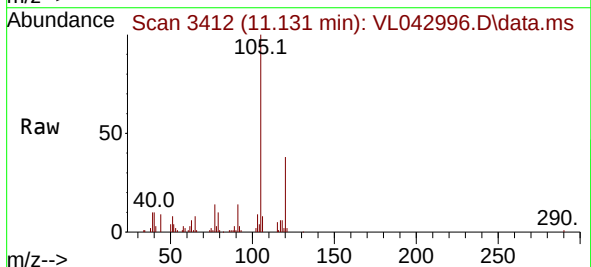
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

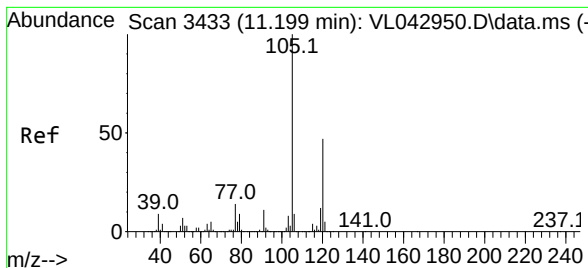
Tgt Ion: 91 Resp: 16990
Ion Ratio Lower Upper
91 100
126 32.1 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.291 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.009 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:105 Resp: 16998
Ion Ratio Lower Upper
105 100
120 28.4 24.2 36.2
91 15.8 10.0 15.0#
77 15.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.301 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

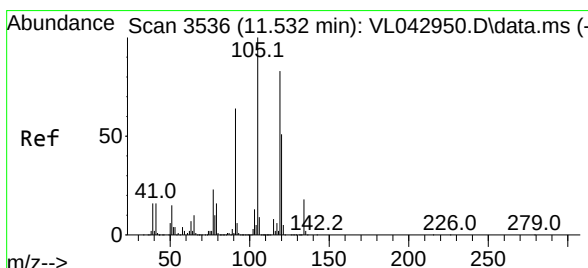
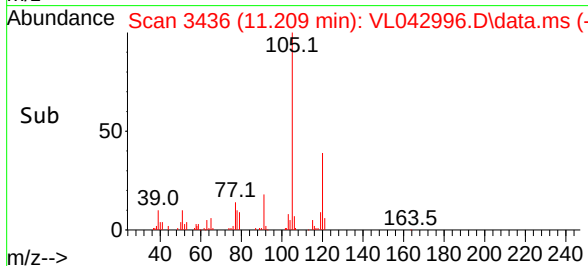
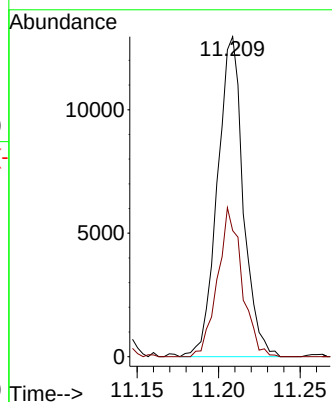
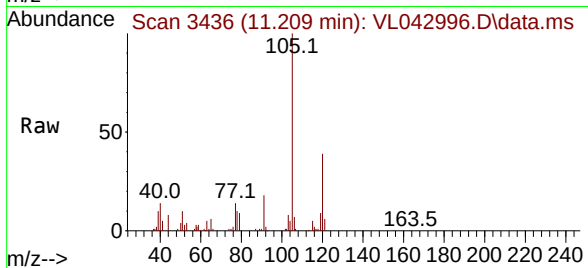
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:105 Resp: 14277

Ion Ratio Lower Upper

105 100

120 39.4 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 0.310 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Tgt Ion:105 Resp: 16227

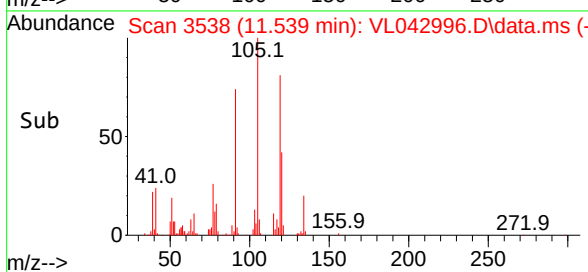
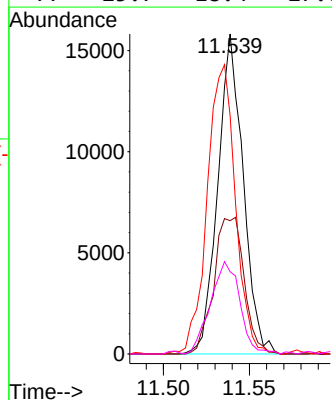
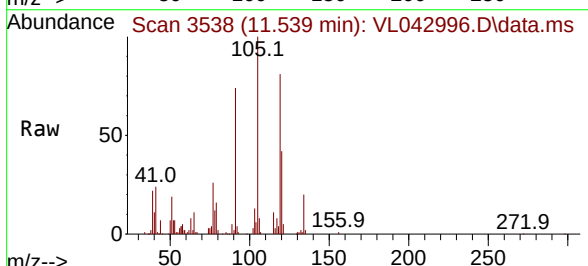
Ion Ratio Lower Upper

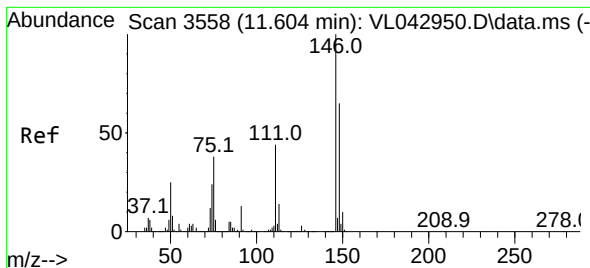
105 100

120 41.6 40.9 61.3

91 74.5 51.2 76.8

77 25.7 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.378 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

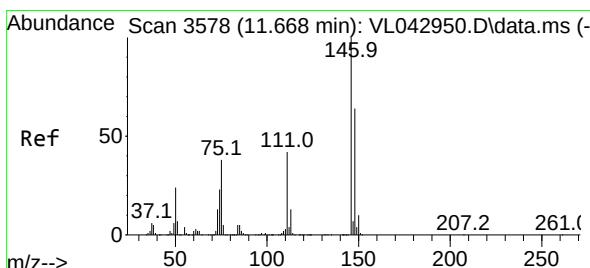
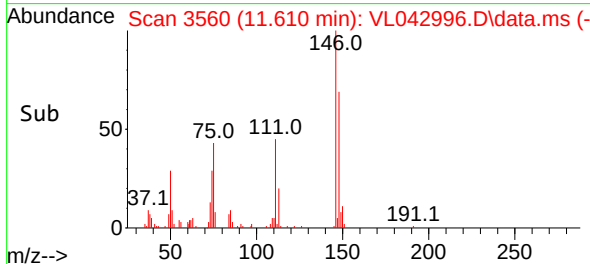
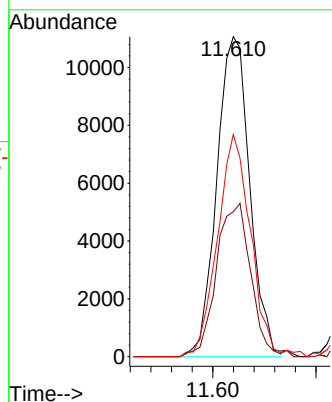
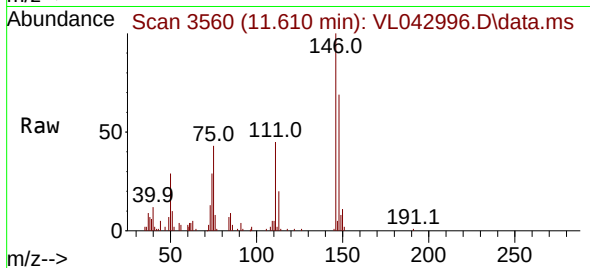
Tgt Ion:146 Resp: 12264

Ion Ratio Lower Upper

146 100

111 49.7 22.3 66.9

148 70.0 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.363 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.009 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

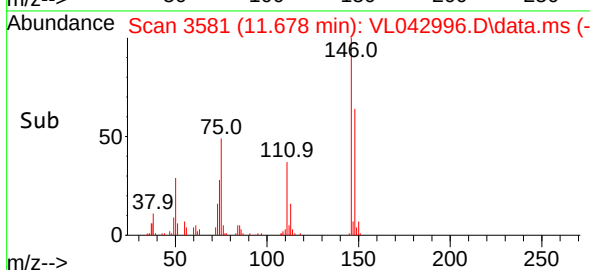
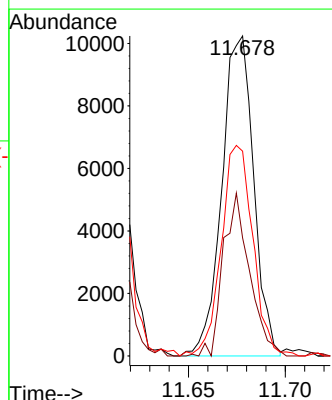
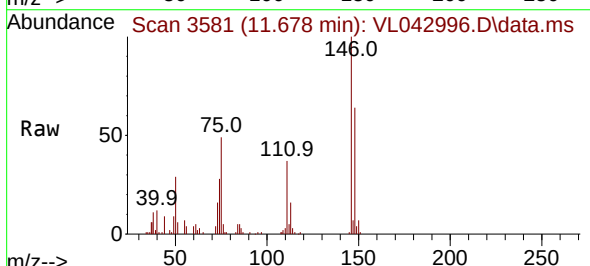
Tgt Ion:146 Resp: 11712

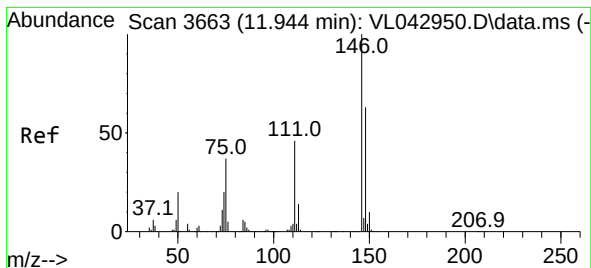
Ion Ratio Lower Upper

146 100

111 42.1 21.5 64.5

148 65.2 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.420 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

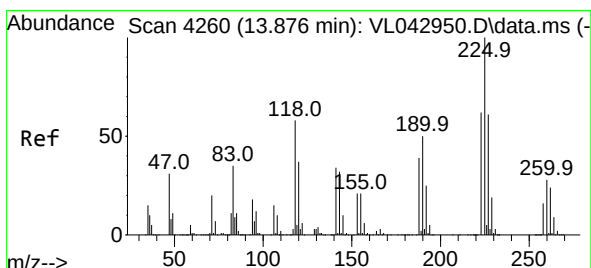
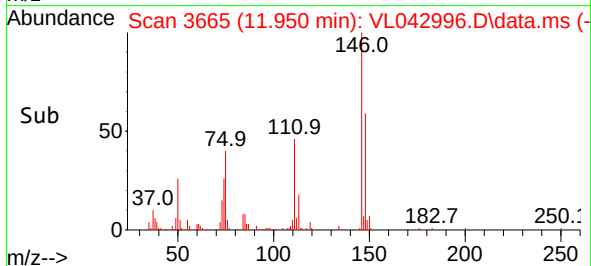
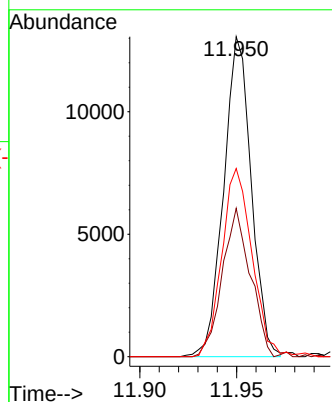
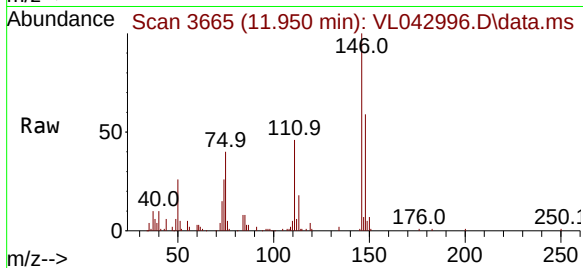
Tgt Ion:146 Resp: 12962

Ion Ratio Lower Upper

146 100

111 47.8 23.1 69.3

148 64.8 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.421 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

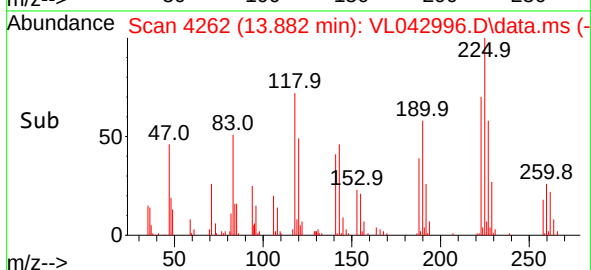
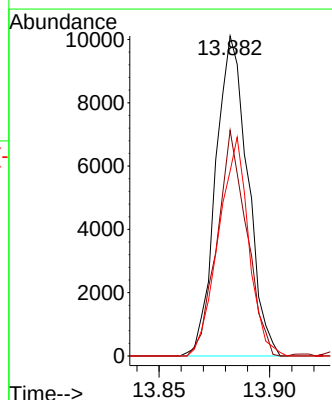
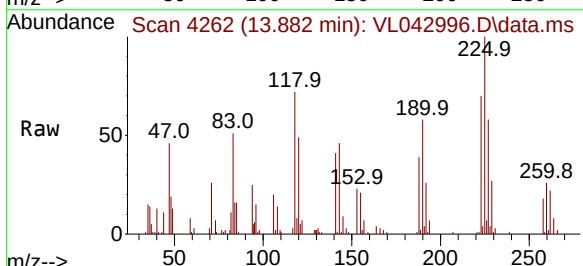
Tgt Ion:225 Resp: 10168

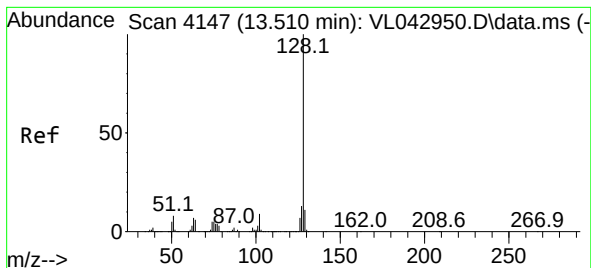
Ion Ratio Lower Upper

225 100

223 66.0 50.1 75.1

227 64.3 50.4 75.6





#79

Naphthalene

Concen: 0.165 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

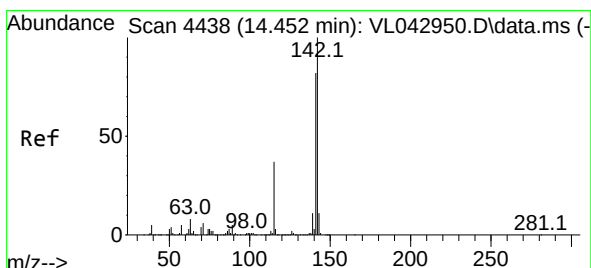
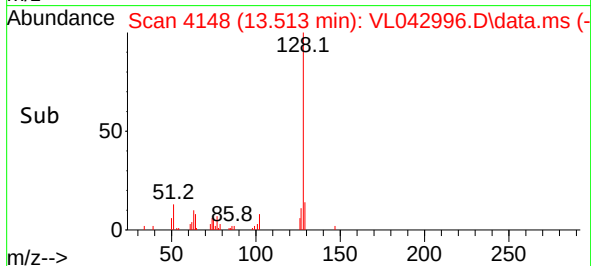
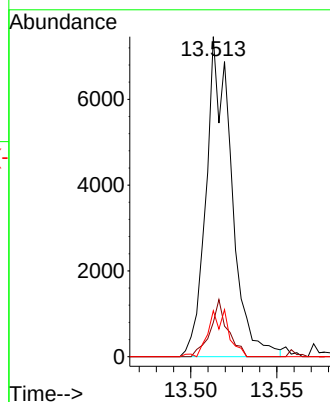
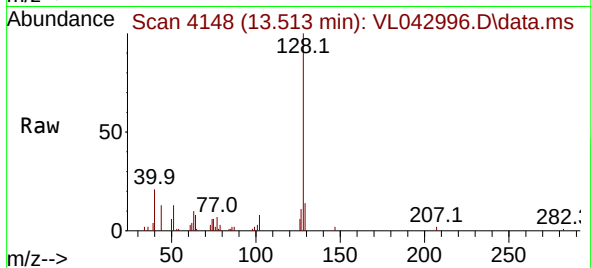
Tgt Ion:128 Resp: 7659

Ion Ratio Lower Upper

128 100

127 10.7 10.6 15.8

129 14.3 9.0 13.6#



#80

Naphthalene,2-methyl-

Concen: 0.107 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.013 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

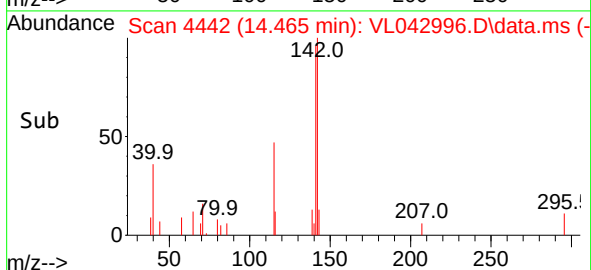
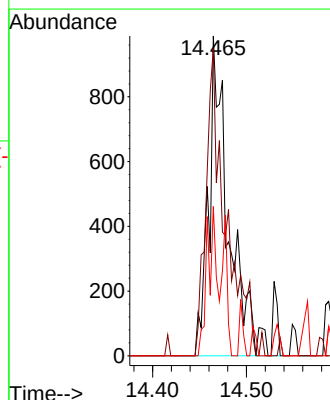
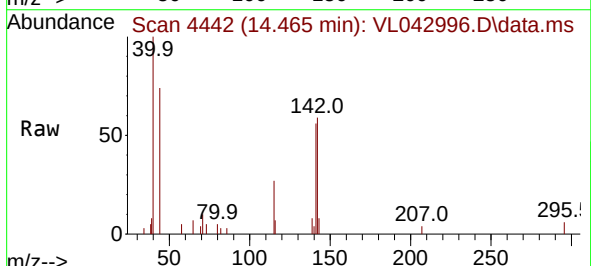
Tgt Ion:142 Resp: 1530

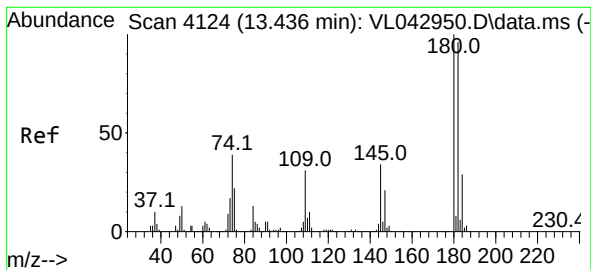
Ion Ratio Lower Upper

142 100

141 91.4 65.1 97.7

115 36.1 28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 0.186 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042996.D

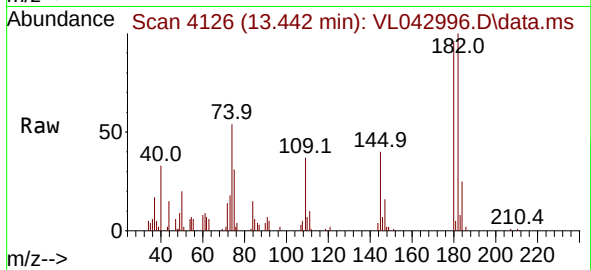
Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



Tgt Ion:	180	Resp:	4614
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
184	29.5	23.9	35.9

