

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042998.D
 Acq On : 23 Sep 2025 18:48
 Operator : SY/MD
 Sample : Q2893-13 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 24 02:28:40 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	153138	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	397669	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	356735	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	273738	10.280	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	801	0.039	ppbv	98
3) Chlorodifluoromethane	1.476	51	1123	0.044	ppbv #	83
4) Chloromethane	1.531	50	503	0.054	ppbv #	81
5) Vinyl Chloride	1.580	62	347	0.041	ppbv #	86
6) Bromomethane	1.674	94	69	0.023	ppbv	98
7) Chloroethane	1.709	64	116	0.035	ppbv #	44
8) Dichlorotetrafluoroethane	1.554	85	722	0.041	ppbv	91
9) Propene	1.606	41	359	0.032	ppbv	85
10) Heptane	4.982	43	165	0.006	ppbv #	29
11) Trichlorofluoromethane	1.878	101	831	0.042	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	643	0.040	ppbv #	83
13) Ethanol	1.891	45	765	0.706	ppbv #	35
14) Bromoethene	1.784	108	320	0.053	ppbv #	86
15) Acetone	1.839	43	2145	0.108	ppbv #	88
16) 1,3-Butadiene	1.612	39	292	0.031	ppbv #	1
17) tert-Butyl alcohol	2.046	59	851	0.039	ppbv #	72
18) 1,1-Dichloroethene	2.033	96	364	0.049	ppbv #	54
19) Isopropyl Alcohol	1.891	45	765	0.064	ppbv #	59
20) Methylene Chloride	2.062	84	2347	0.281	ppbv #	94
21) Allyl Chloride	2.098	41	701	0.050	ppbv #	6
22) trans-1,2-Dichloroethene	2.347	96	392	0.046	ppbv #	48
23) Vinyl Acetate	2.467	43	978	0.034	ppbv #	66
24) 1,1-Dichloroethane	2.408	63	409	0.025	ppbv #	92
25) Ethyl Acetate	2.829	43	856	0.017	ppbv #	87
26) Hexane	2.832	57	1049	0.046	ppbv #	81
27) Carbon Disulfide	2.153	76	716	0.035	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	353	0.030	ppbv	97
29) Chloroform	2.849	83	1408	0.047	ppbv #	79
30) Cyclohexane	3.858	84	393	0.020	ppbv #	1
31) cis-1,2-Dichloroethene	2.344	61	561	0.026	ppbv	89
32) 1,1,1-Trichloroethane	3.373	97	723	0.022	ppbv #	51
34) 2-Butanone	2.564	43	666	0.024	ppbv #	54
35) Carbon Tetrachloride	3.761	117	355	0.014	ppbv #	68
36) Benzene	3.664	78	1471	0.039	ppbv #	77
37) 1,2-Dichloroethane	3.221	62	458	0.023	ppbv #	79
38) Trichloroethene	4.551	130	660	0.036	ppbv #	67
39) 1,2-Dichloropropane	3.962	63	105571	7.744	ppbv #	24
40) 1,4-Dioxane	4.554	88	31	0.005	ppbv #	1
41) Tetrahydrofuran	3.043	42	26	0.002	ppbv #	38
42) Bromodichloromethane	4.493	83	530	0.019	ppbv #	89
43) Methyl Methacrylate	4.891	69	186	0.012	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	446	0.007	ppbv #	1
45) t-1,3-Dichloropropene	6.415	75	141	0.009	ppbv #	45

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 24 02:28:40 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

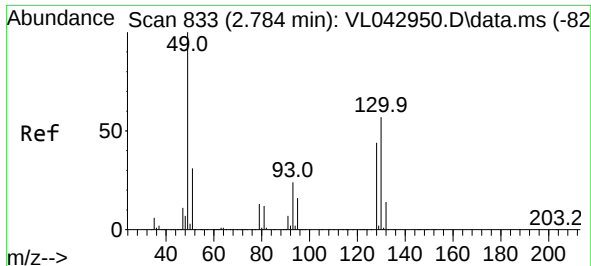
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	79	0.004	ppbv #	77
47) 1,1,2-Trichloroethane	6.587	97	100	0.007	ppbv #	14
48) Dibromochloromethane	7.043	129	25	0.001	ppbv	89
49) Bromoform	9.503	173	74	0.004	ppbv #	28
50) 4-Methyl-2-Pentanone	5.768	43	82	0.002	ppbv #	39
51) 2-Hexanone	7.441	43	111	0.004	ppbv #	28
52) Tetrachloroethene	8.244	164	49	0.003	ppbv #	27
53) Toluene	6.943	91	495	0.011	ppbv #	1
54) 1,2-Dibromoethane	7.668	107	141	0.007	ppbv	84
56) 1,1,1,2-Tetrachloroethane	8.933	131	268	0.016	ppbv #	1
57) Chlorobenzene	8.933	112	455	0.014	ppbv #	64
58) Ethyl Benzene	9.532	91	763	0.013	ppbv	97
59) m/p-Xylene	9.542	91	477	0.010	ppbv #	100
60) o-Xylene	9.972	91	455	0.010	ppbv #	31
61) Styrene	9.885	104	90	0.004	ppbv #	29
62) Isopropylbenzene	10.542	105	1393	0.020	ppbv	94
63) 1,1,2,2-Tetrachloroethane	9.976	83	947	0.039	ppbv	90
64) n-propylbenzene	10.998	120	237	0.013	ppbv #	1
65) tert-Butylbenzene	11.539	119	536	0.009	ppbv #	1
66) Benzyl Chloride	11.571	91	22	0.003	ppbv #	65
67) sec-Butylbenzene	11.545	105	989	0.012	ppbv	92
69) p-Isopropyltoluene	11.934	119	1550	0.022	ppbv	94
70) n-Butylbenzene	12.283	91	1279	0.018	ppbv #	75
71) 2-Chlorotoluene	10.908	91	1316	0.025	ppbv	86
72) 4-Ethyltoluene	11.138	105	497	0.009	ppbv #	57
73) 1,3,5-Trimethylbenzene	11.209	105	1211	0.026	ppbv #	69
74) 1,2,4-Trimethylbenzene	11.545	105	989	0.019	ppbv #	81
75) 1,3-Dichlorobenzene	11.613	146	828	0.026	ppbv	93
76) 1,4-Dichlorobenzene	11.681	146	707	0.022	ppbv	85
77) 1,2-Dichlorobenzene	11.953	146	729	0.024	ppbv	88
78) Hexachloro-1,3-Butadiene	13.886	225	1156	0.048	ppbv #	78
79) Naphthalene	13.523	128	1009	0.022	ppbv #	69
80) Naphthalene,2-methyl-	14.471	142	525	0.037	ppbv #	93
81) 1,2,4-Trichlorobenzene	13.452	180	108	0.004	ppbv #	13

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

Instrument :
MSVOA_L

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

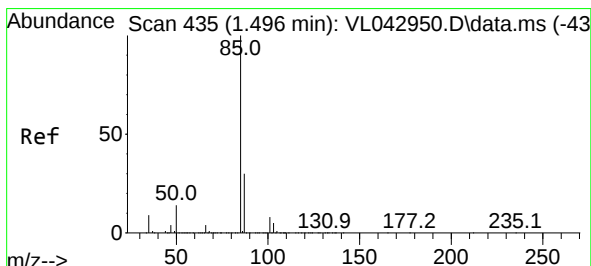
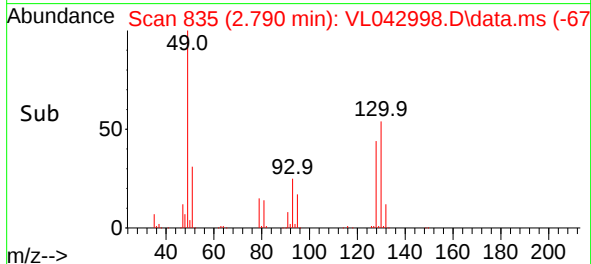
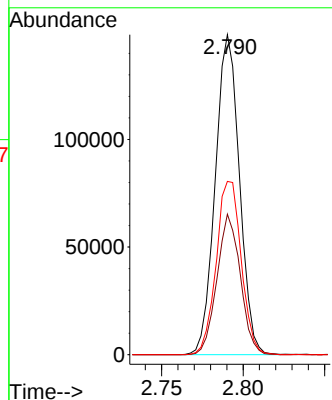
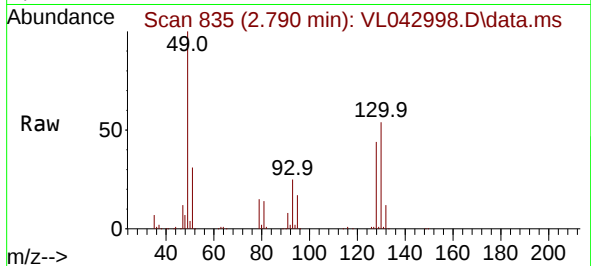
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

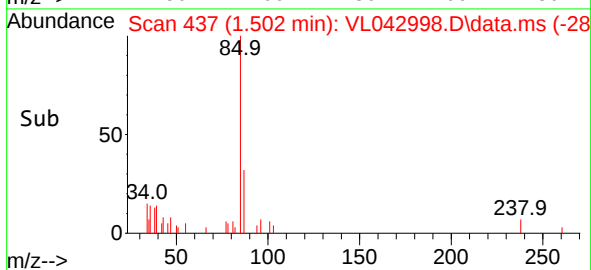
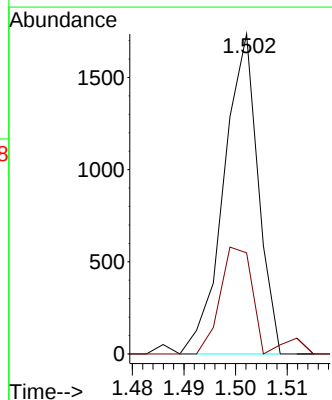
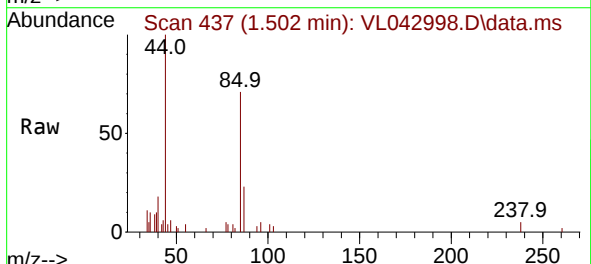
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ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

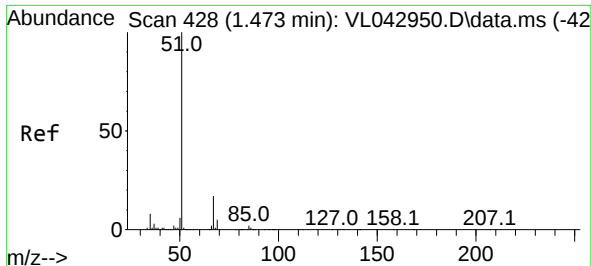
Tgt Ion: 49 Resp: 153138
Ion Ratio Lower Upper
49 100
128 42.4 22.9 68.8
130 56.2 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.039 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 85 Resp: 801
Ion Ratio Lower Upper
85 100
87 31.6 24.3 36.5

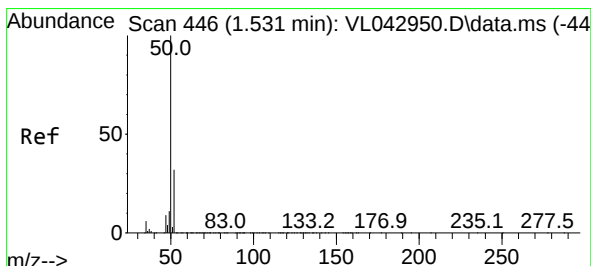
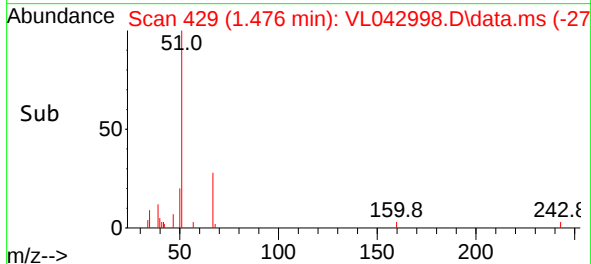
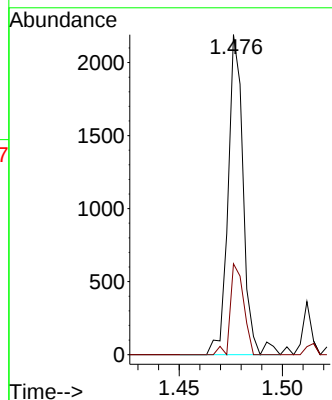
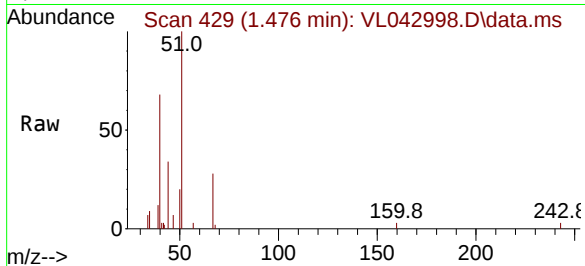




#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

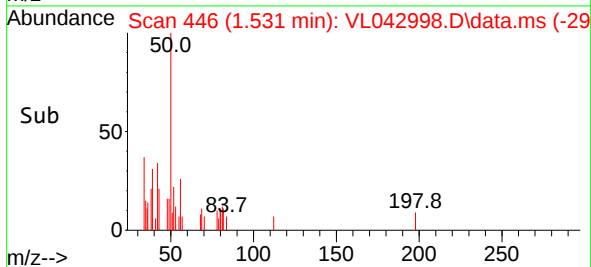
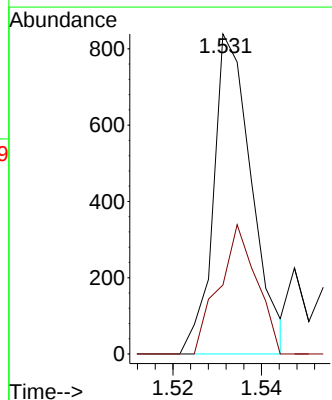
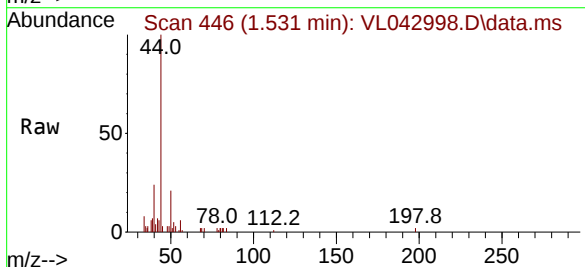
Instrument :
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ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

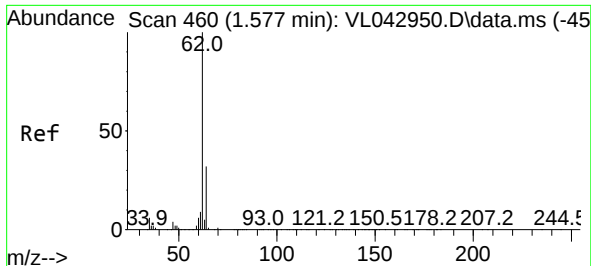
Tgt Ion: 51 Resp: 1123
Ion Ratio Lower Upper
51 100
67 24.8 13.8 20.8#



#4
Chloromethane
Concen: 0.054 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 50 Resp: 503
Ion Ratio Lower Upper
50 100
52 21.6 25.9 38.9#

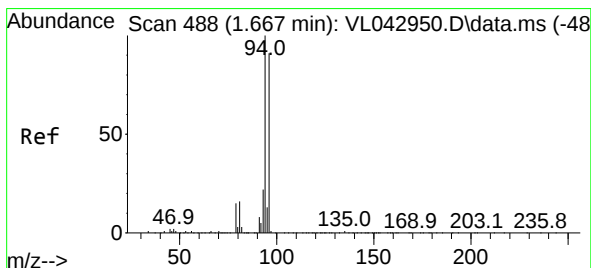
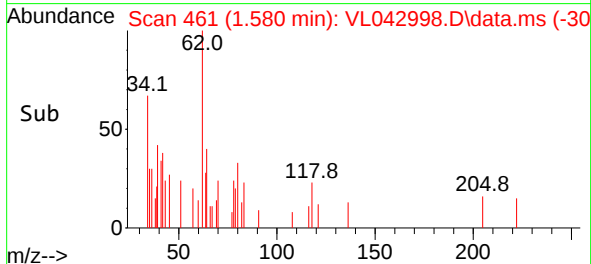
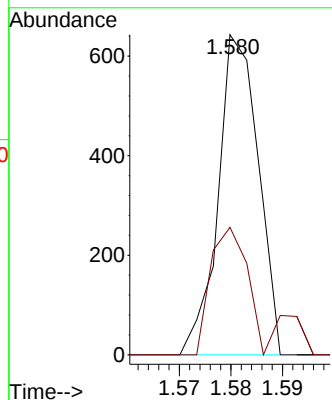
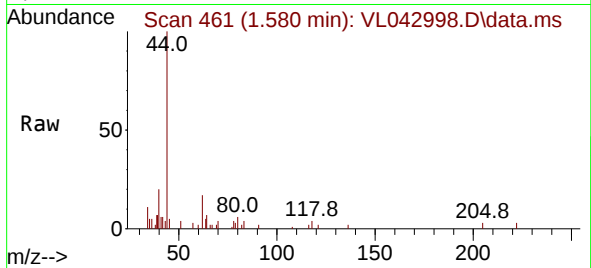




#5
 Vinyl Chloride
 Concen: 0.041 ppbv
 RT: 1.580 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

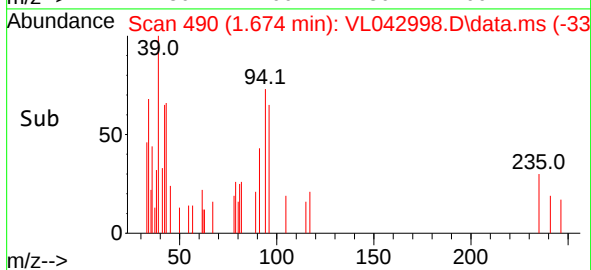
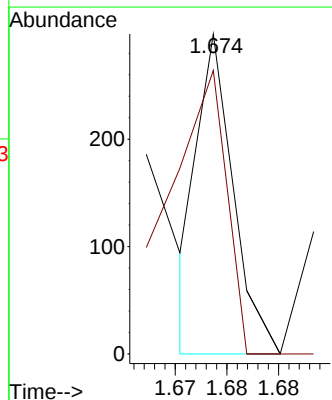
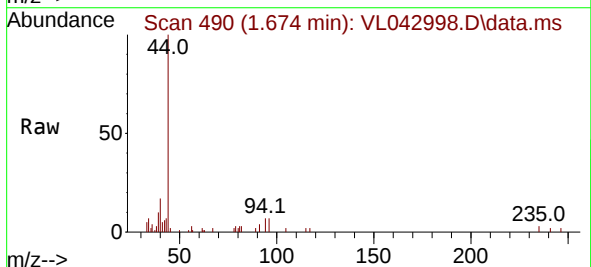
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

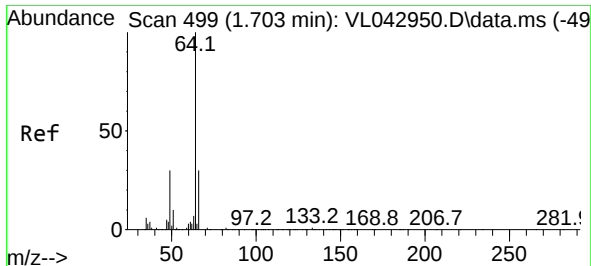
Tgt Ion: 62 Resp: 347
 Ion Ratio Lower Upper
 62 100
 64 39.8 25.4 38.2#



#6
 Bromomethane
 Concen: 0.023 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.006 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion: 94 Resp: 69
 Ion Ratio Lower Upper
 94 100
 96 88.6 72.6 108.8

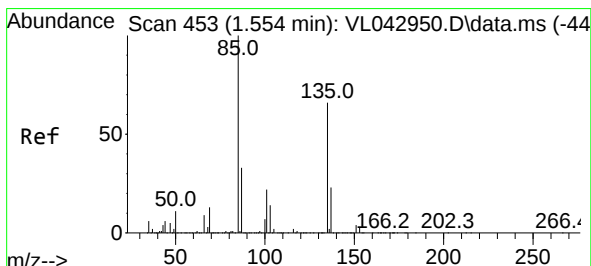
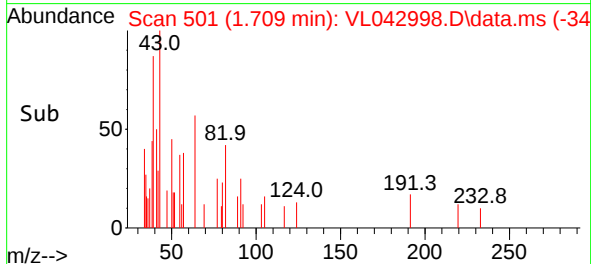
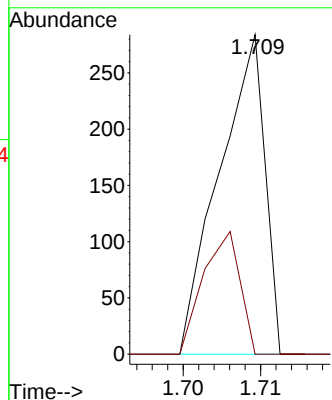
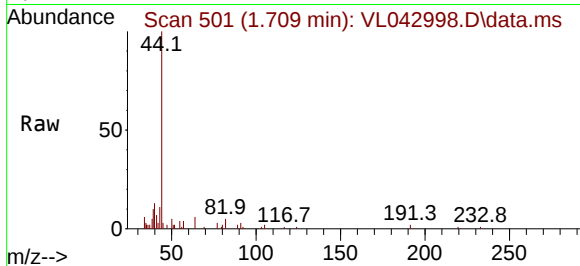




#7
Chloroethane
Concen: 0.035 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

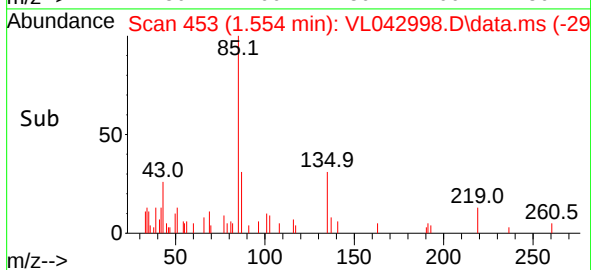
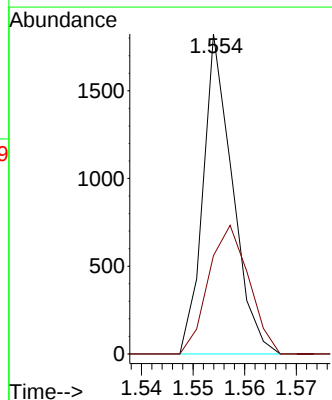
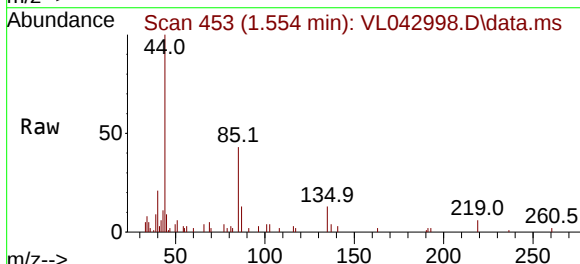
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

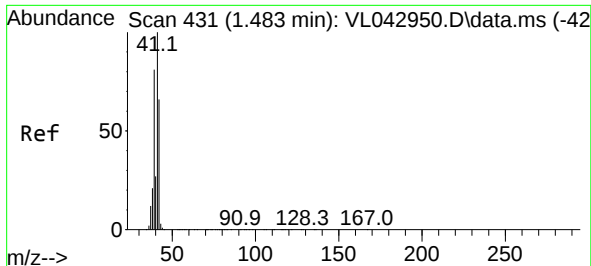
Tgt Ion: 64 Resp: 116
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 85 Resp: 722
Ion Ratio Lower Upper
85 100
135 55.3 49.7 74.5





#9

Propene

Concen: 0.032 ppbv

RT: 1.606 min Scan# 41

Delta R.T. 0.123 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_1

ClientSampleId :

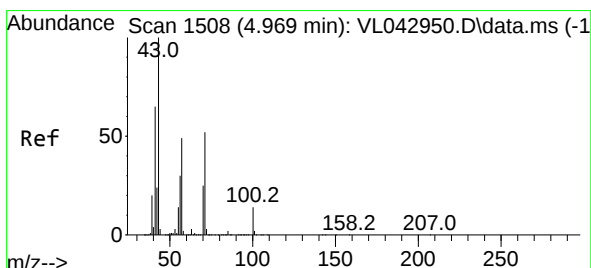
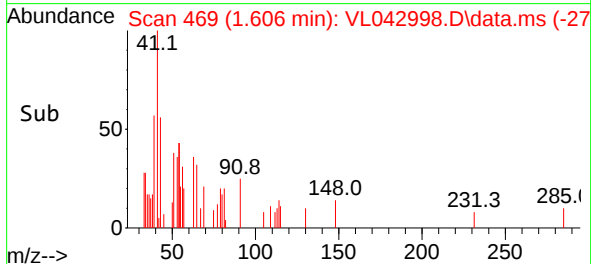
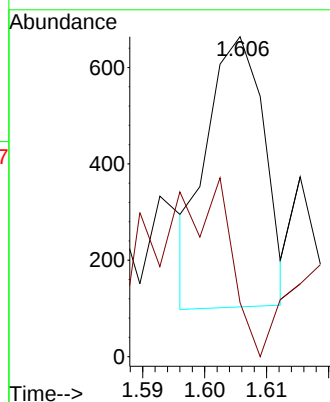
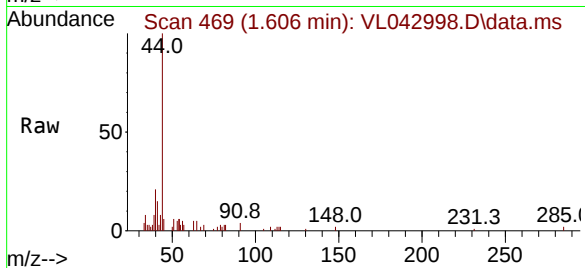
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 41 Resp: 359

Ion Ratio Lower Upper

41 100

42 84.4 57.4 86.2



#10

Heptane

Concen: 0.006 ppbv

RT: 4.982 min Scan# 1512

Delta R.T. 0.013 min

Lab File: VL042998.D

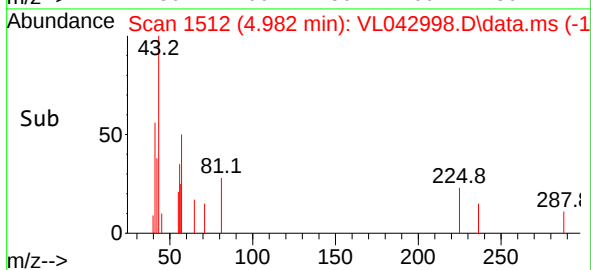
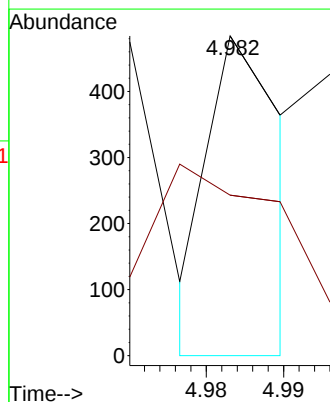
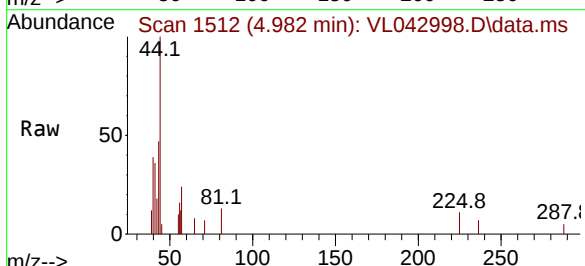
Acq: 23 Sep 2025 18:48

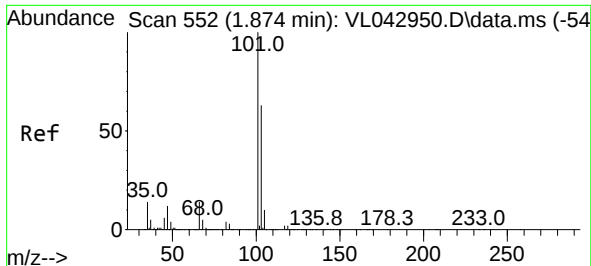
Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

43 100

57 0.0 38.6 57.8#

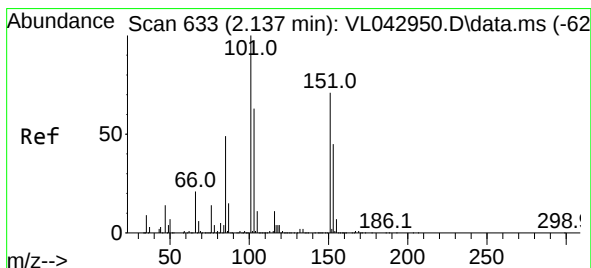
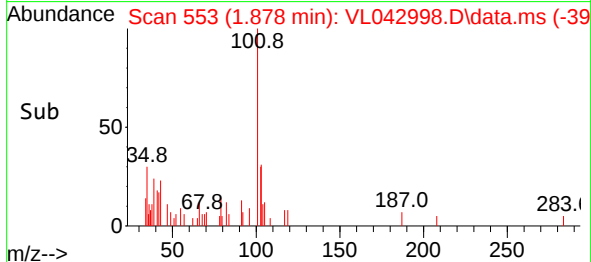
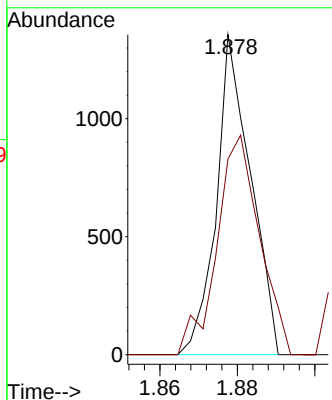
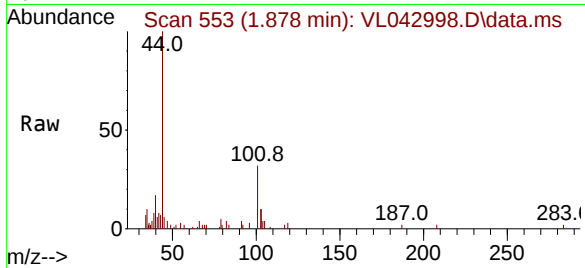




#11
 Trichlorofluoromethane
 Concen: 0.042 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

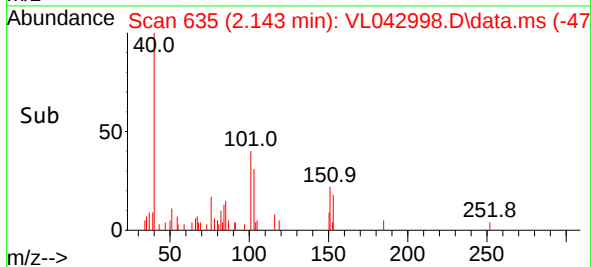
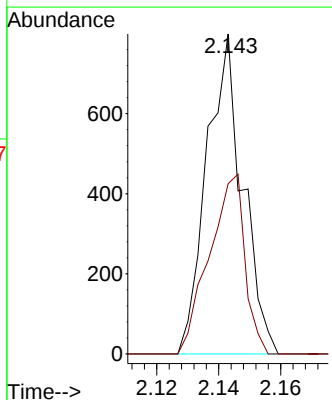
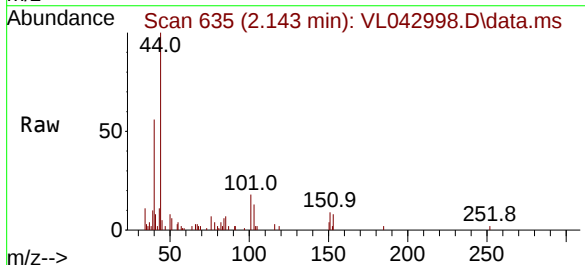
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

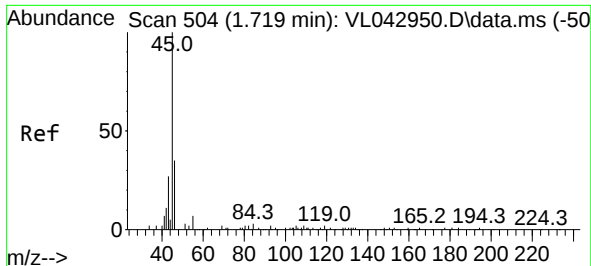
Tgt Ion:101 Resp: 831
 Ion Ratio Lower Upper
 101 100
 103 61.1 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.040 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion:101 Resp: 643
 Ion Ratio Lower Upper
 101 100
 151 55.5 55.7 83.5#

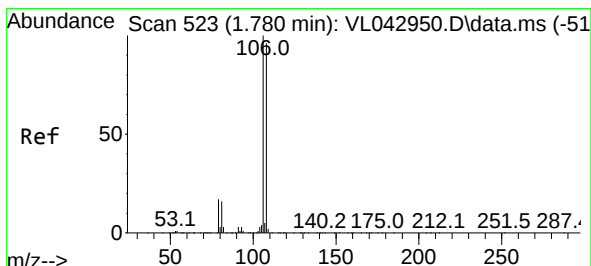
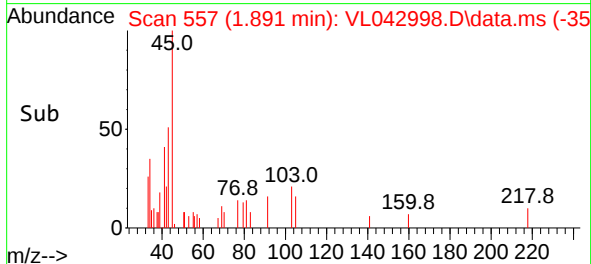
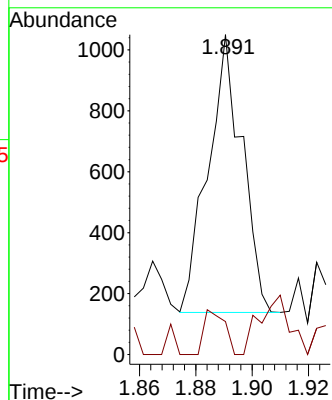
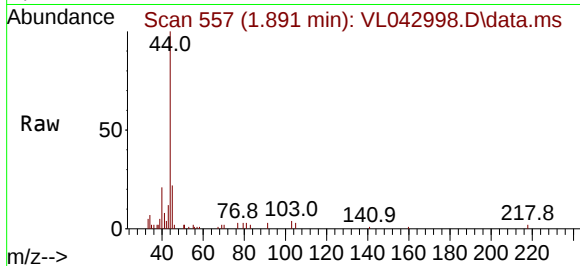




#13
 Ethanol
 Concen: 0.706 ppbv
 RT: 1.891 min Scan# 51
 Delta R.T. 0.172 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

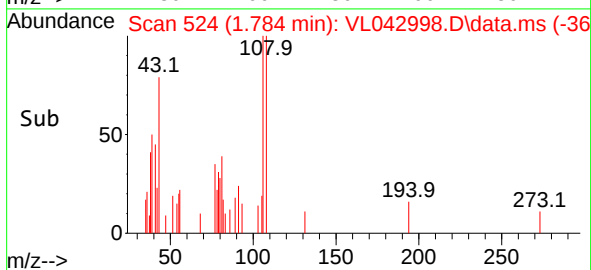
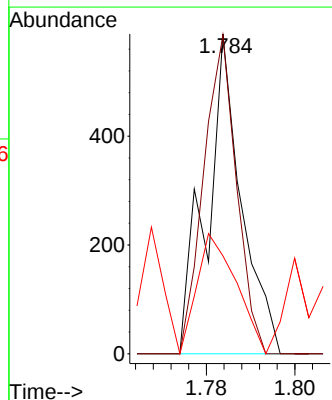
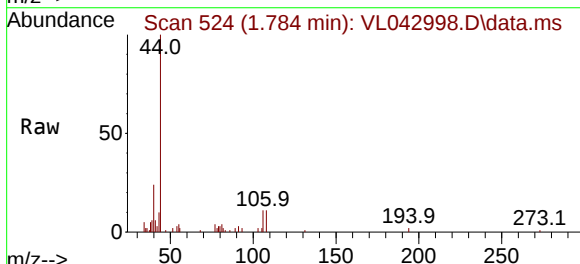
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

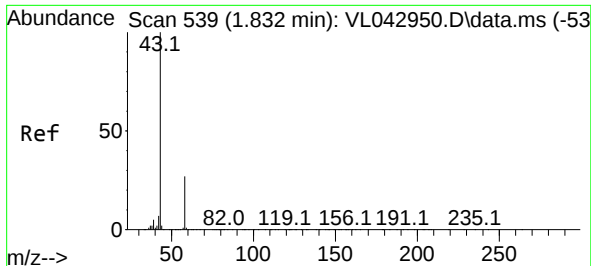
Tgt Ion: 45 Resp: 765
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.2 64.6#



#14
 Bromoethene
 Concen: 0.053 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion: 108 Resp: 320
 Ion Ratio Lower Upper
 108 100
 106 97.8 86.0 129.0
 79 0.0 14.2 21.2#

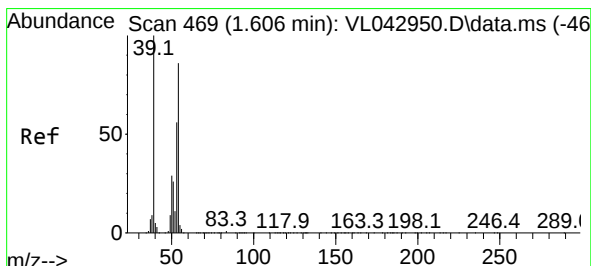
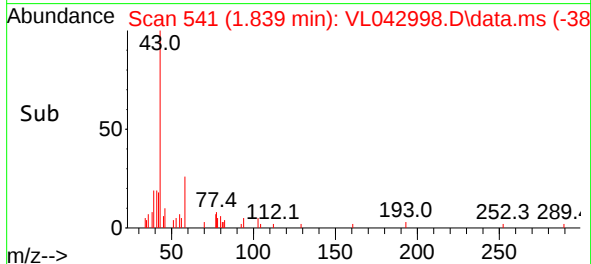
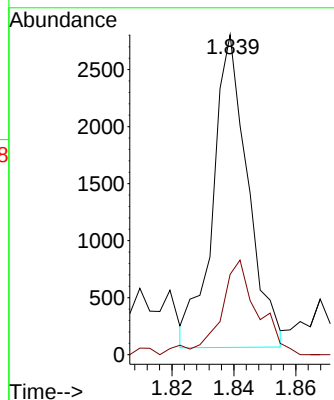
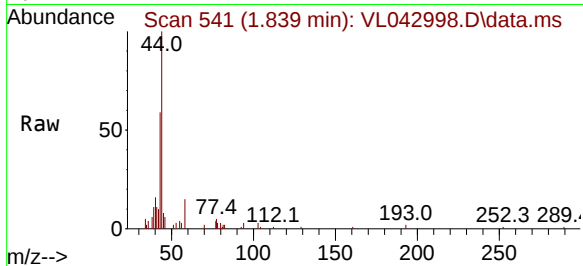




#15
Acetone
Concen: 0.108 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

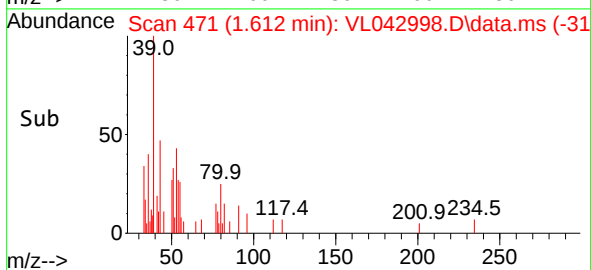
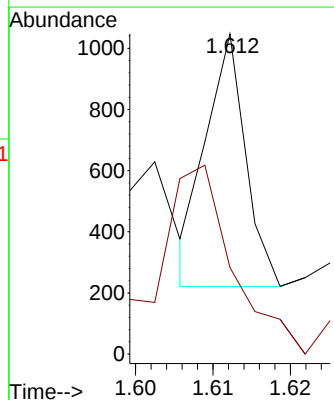
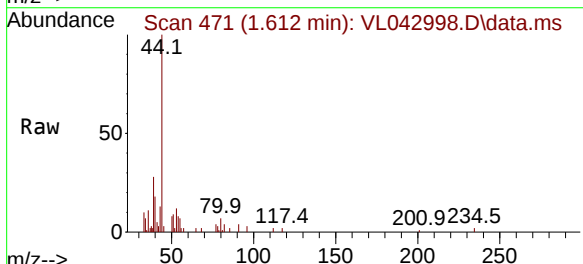
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

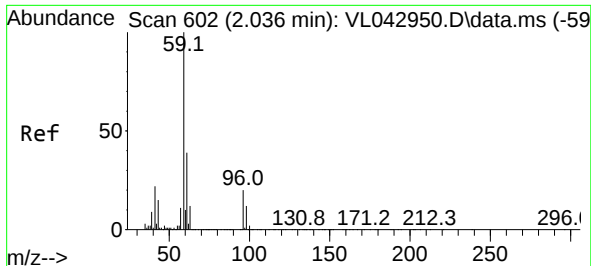
Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
58 34.3 22.3 33.5#



#16
1,3-Butadiene
Concen: 0.031 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 39 Resp: 292
Ion Ratio Lower Upper
39 100
54 164.4 60.8 91.2#





#17

tert-Butyl alcohol

Concen: 0.039 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.010 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

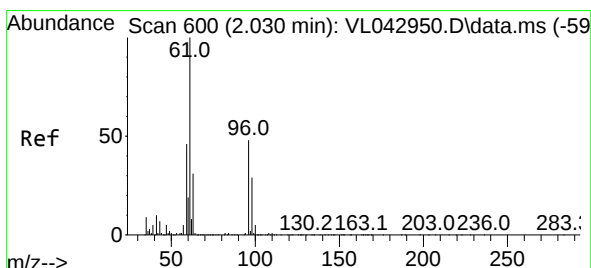
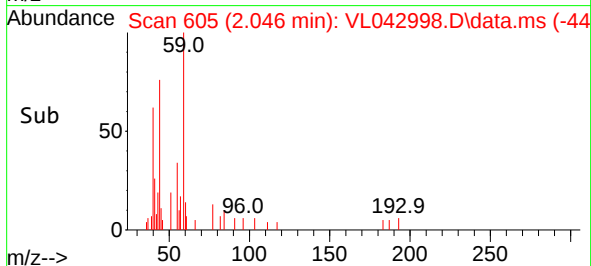
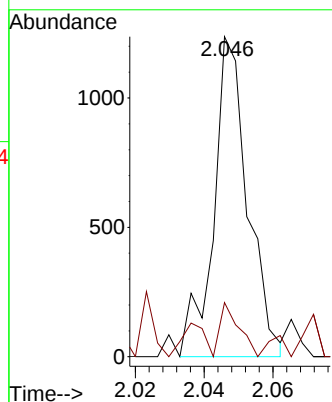
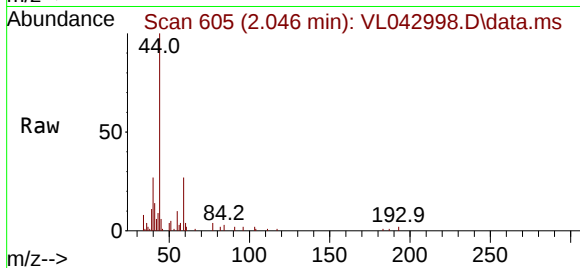
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 59 Resp: 851

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.049 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

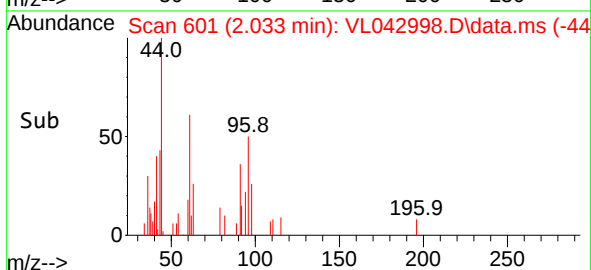
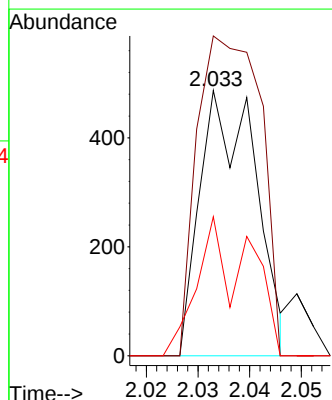
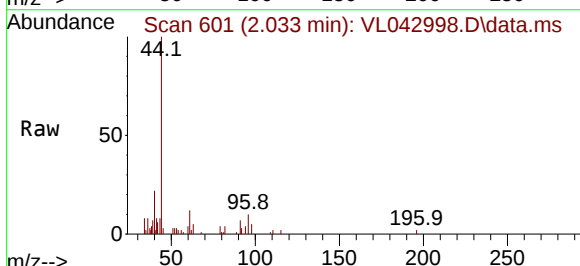
Tgt Ion: 96 Resp: 364

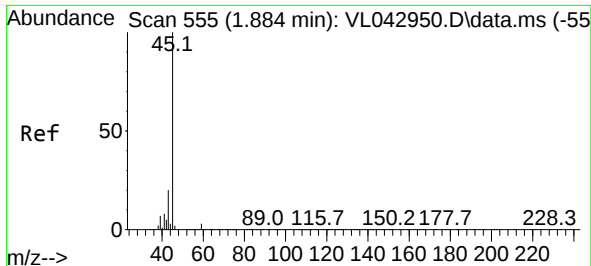
Ion Ratio Lower Upper

96 100

61 120.5 166.2 249.4#

98 52.4 48.6 73.0

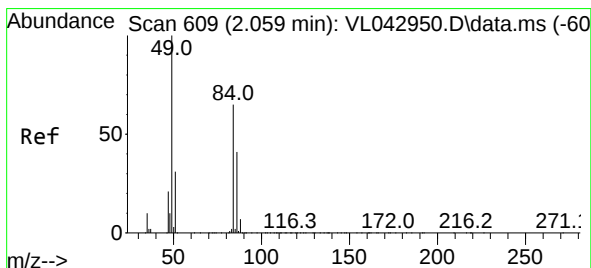
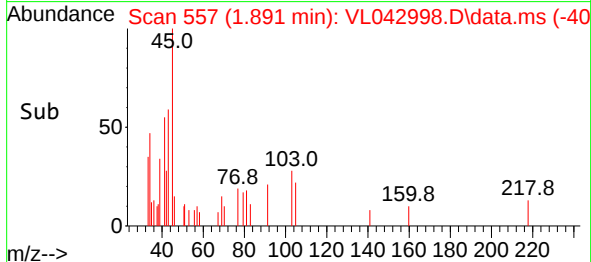
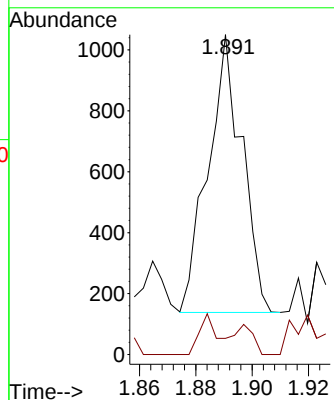
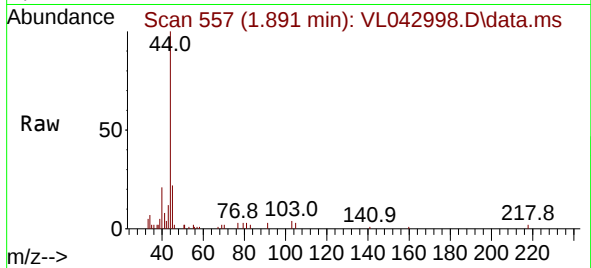




#19
Isopropyl Alcohol
Concen: 0.064 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

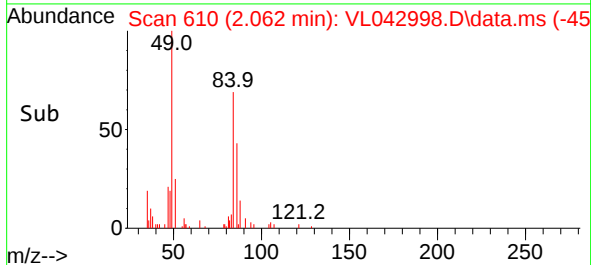
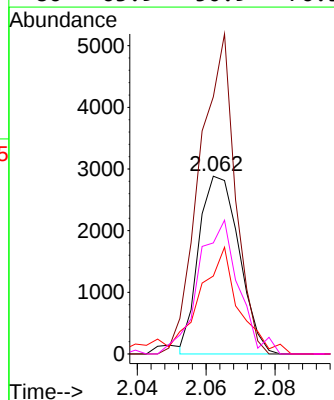
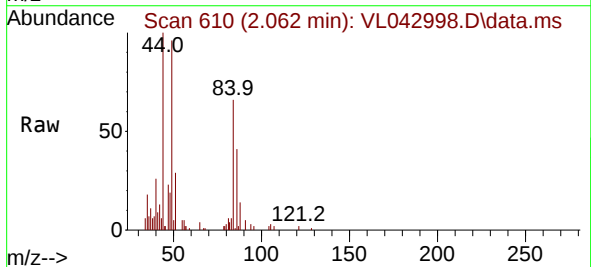
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

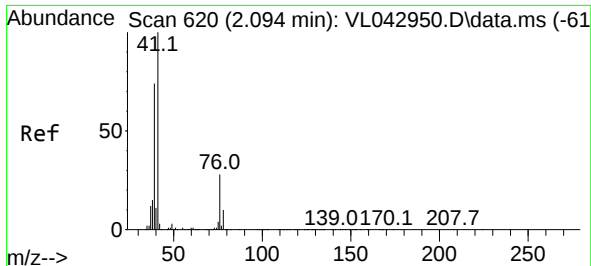
Tgt Ion: 45 Resp: 765
Ion Ratio Lower Upper
45 100
58 13.6 31.0 46.6#



#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 84 Resp: 2347
Ion Ratio Lower Upper
84 100
49 147.9 124.1 186.1
51 39.2 39.8 59.8#
86 63.9 50.9 76.3

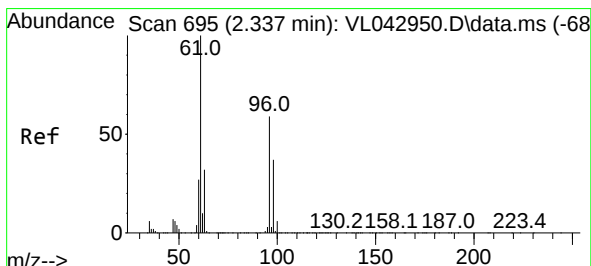
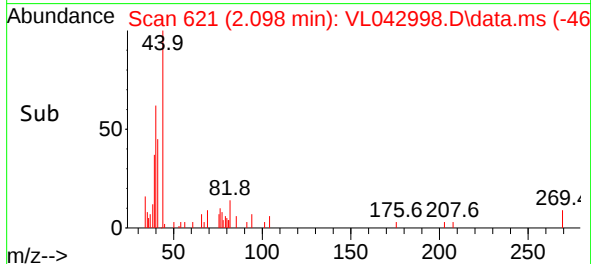
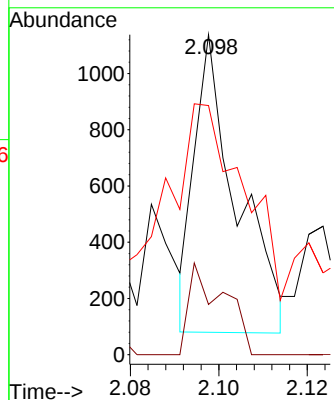
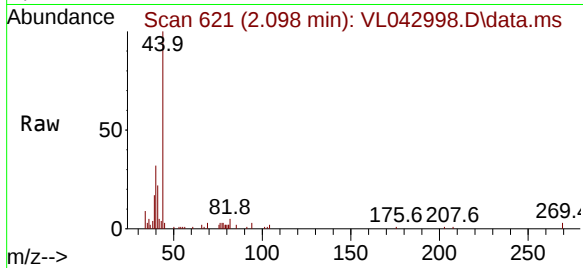




#21
 Allyl Chloride
 Concen: 0.050 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

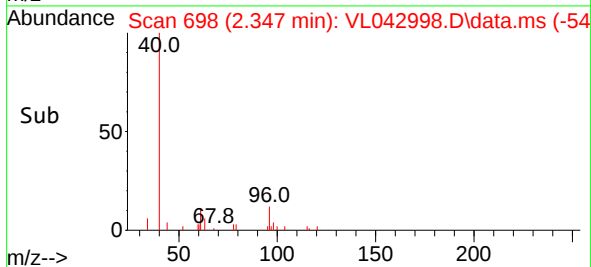
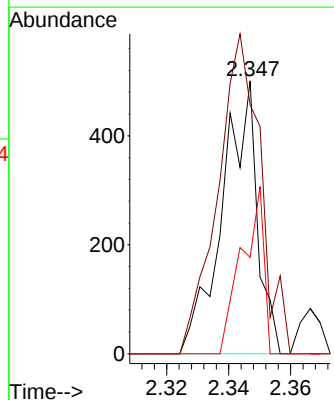
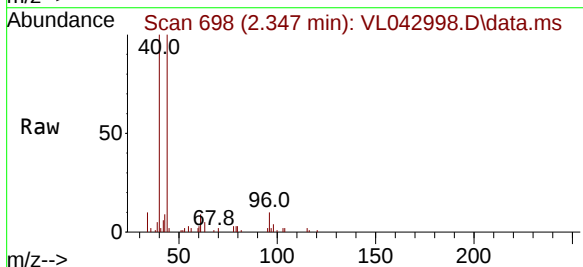
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

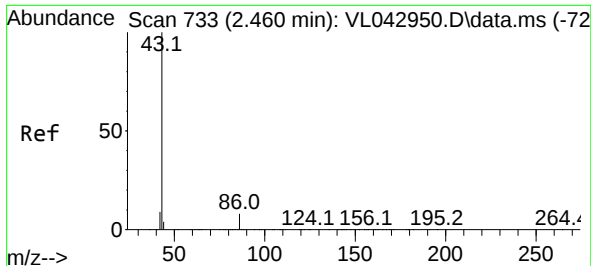
Tgt Ion: 41	Resp:	701
Ion	Ratio	Lower Upper
41	100	
76	27.2	22.3 33.5
39	186.9	61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.046 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.010 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion: 96	Resp:	392
Ion	Ratio	Lower Upper
96	100	
61	91.2	136.5 204.7#
98	35.3	50.6 76.0#

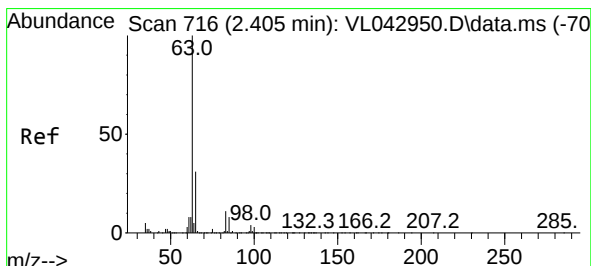
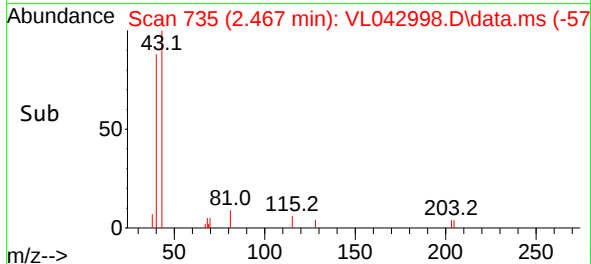
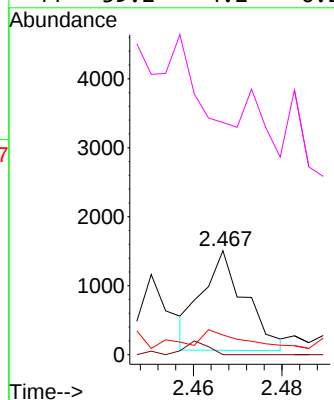
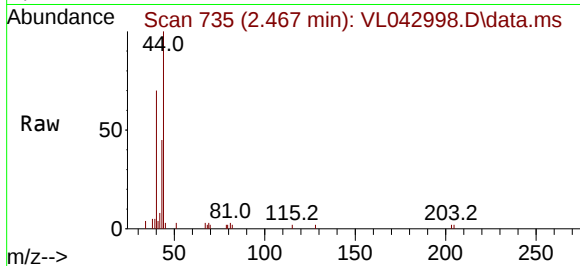




#23
 Vinyl Acetate
 Concen: 0.034 ppbv
 RT: 2.467 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

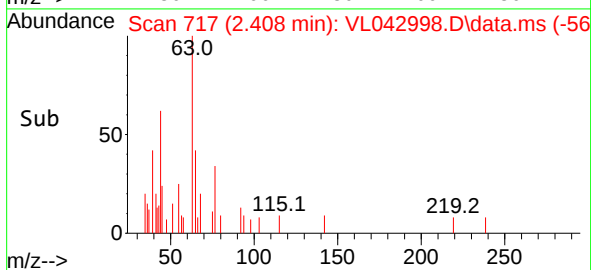
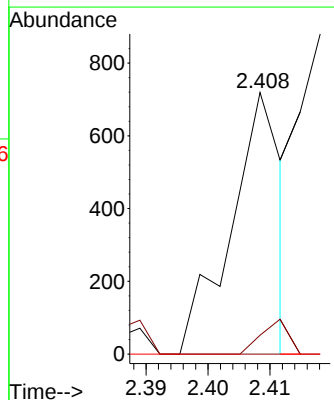
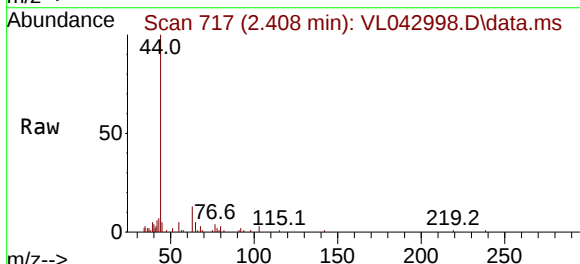
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

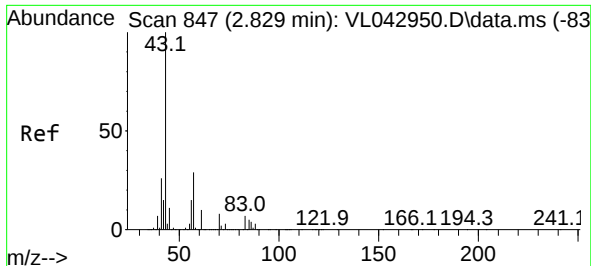
Tgt Ion:	43	Resp:	978
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	11.6	7.4	11.0#
44	39.2	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.025 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion:	63	Resp:	409
Ion	Ratio	Lower	Upper
63	100		
98	7.2	2.2	6.6#
100	0.0	1.4	4.0#

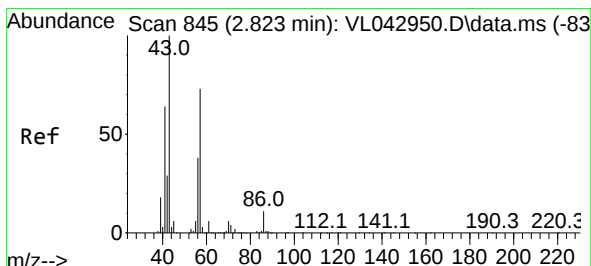
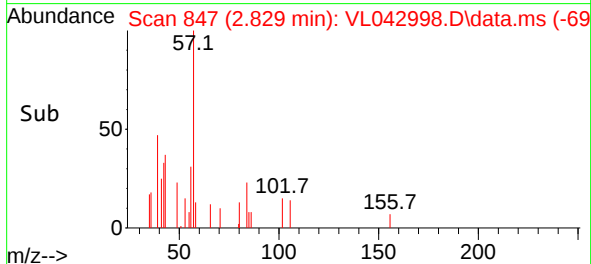
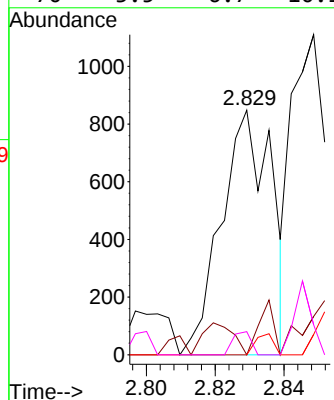
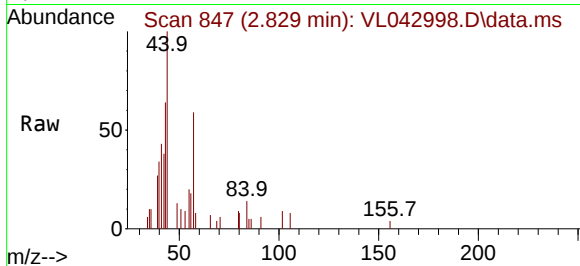




#25
Ethyl Acetate
Concen: 0.017 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

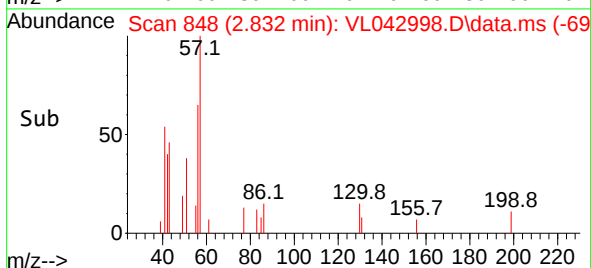
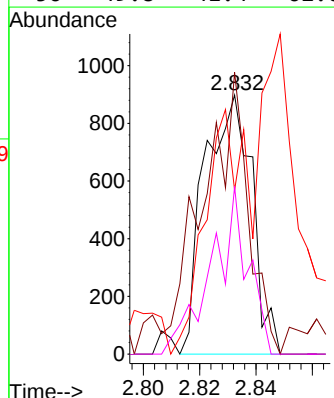
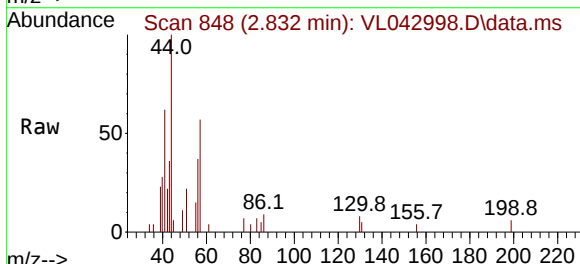
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

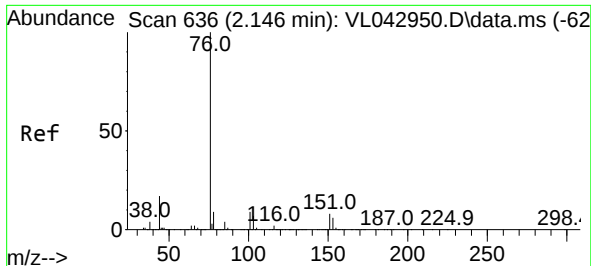
Tgt Ion: 43	Resp:	856
Ion Ratio	Lower	Upper
43 100		
45 10.5	7.7	11.5
61 0.0	7.1	10.7#
70 3.5	6.7	10.1#



#26
Hexane
Concen: 0.046 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt	Ion: 57	Resp:	1049
Ion	Ratio	Lower	Upper
57	100		
41	123.1	71.7	107.5#
43	199.0	180.8	271.2
56	49.8	41.4	62.0

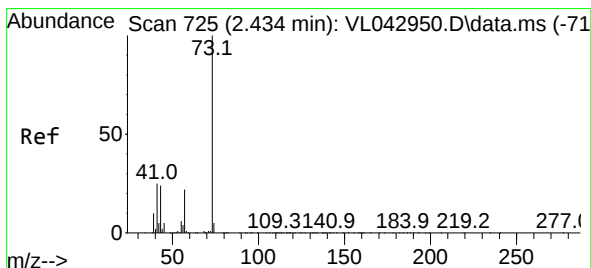
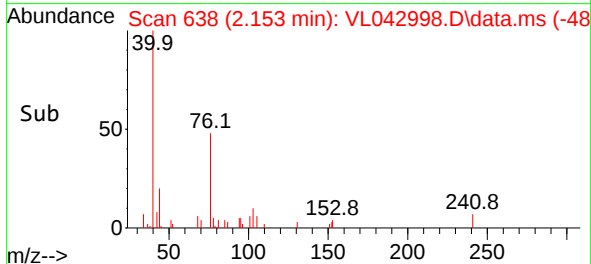
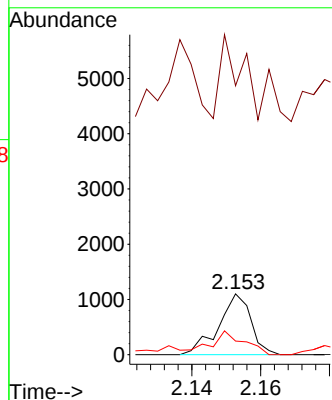
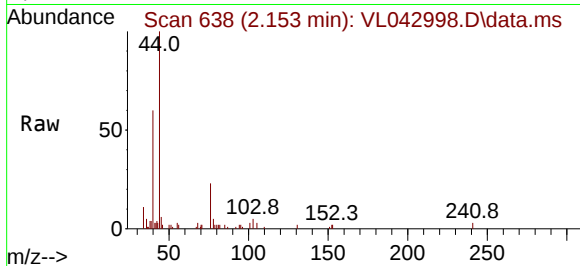




#27
Carbon Disulfide
Concen: 0.035 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

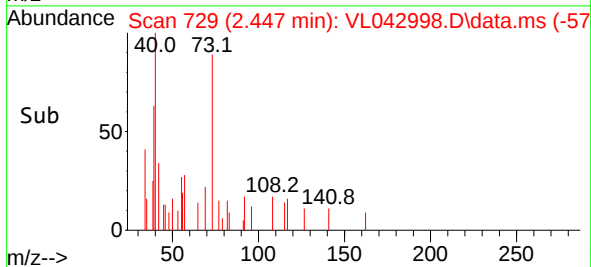
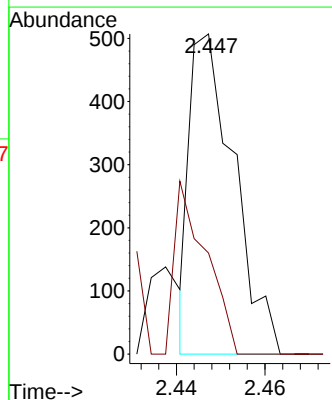
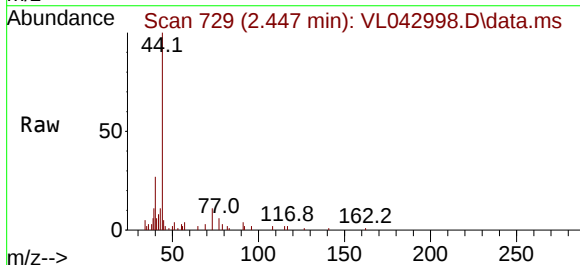
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

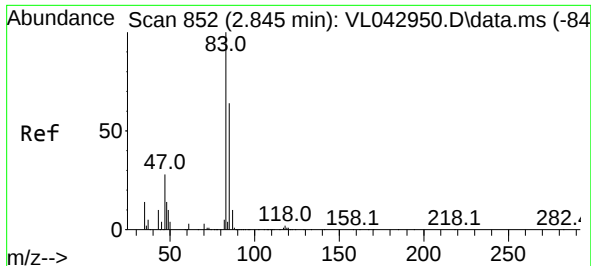
Tgt Ion: 76 Resp: 716
Ion Ratio Lower Upper
76 100
44 897.3 15.6 23.4#
78 40.4 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.030 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 73 Resp: 353
Ion Ratio Lower Upper
73 100
57 27.2 20.6 31.0





#29

Chloroform

Concen: 0.047 ppbv

RT: 2.849 min Scan# 8

Delta R.T. 0.003 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

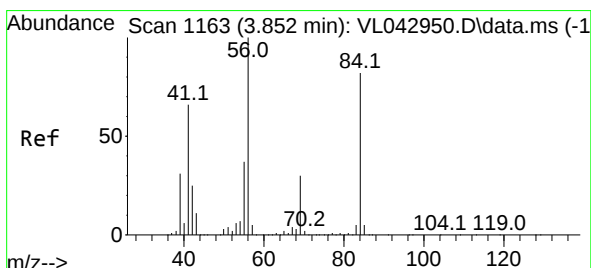
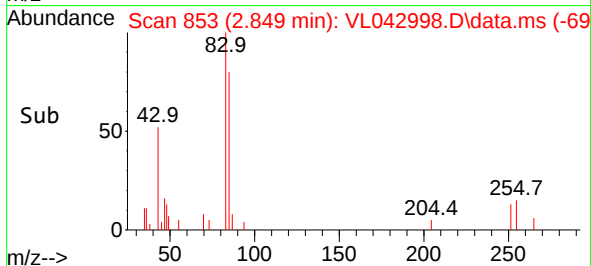
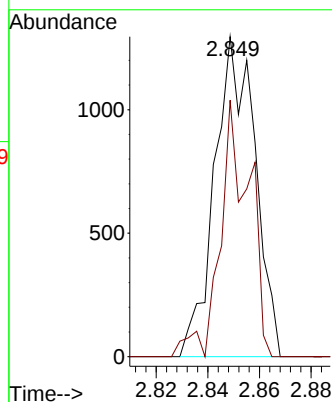
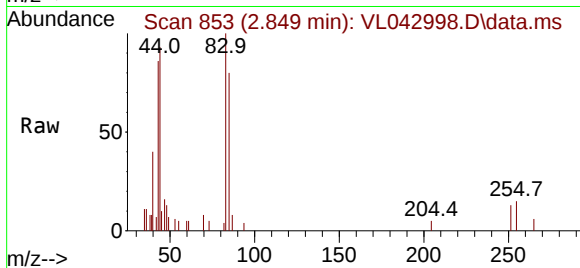
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 83 Resp: 1408

Ion Ratio Lower Upper

83 100

85 80.2 51.2 76.8#



#30

Cyclohexane

Concen: 0.020 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.006 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

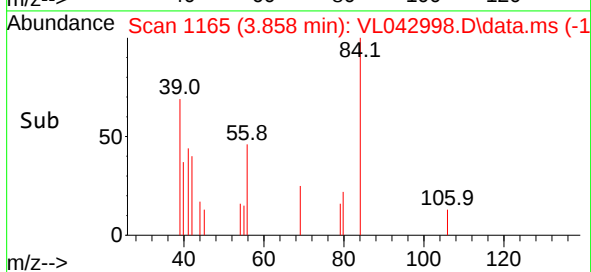
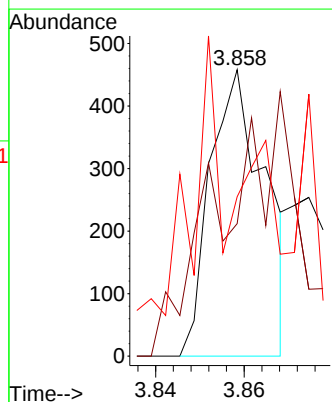
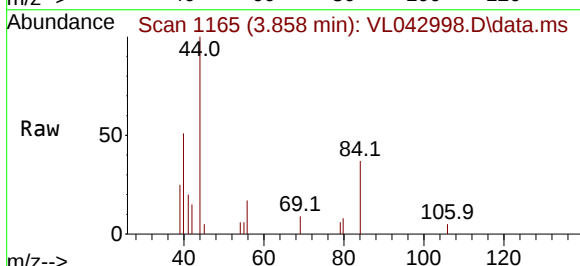
Tgt Ion: 84 Resp: 393

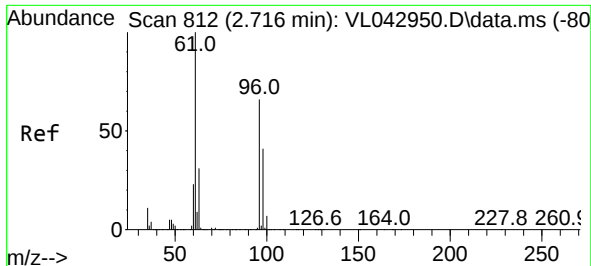
Ion Ratio Lower Upper

84 100

56 0.0 102.2 153.4#

41 164.4 65.6 98.4#

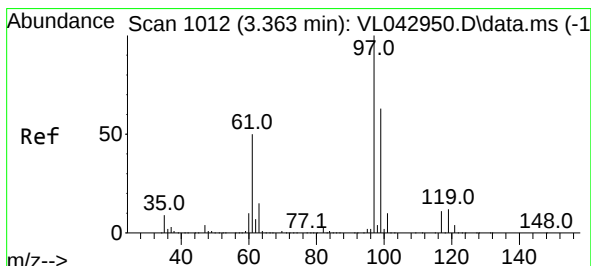
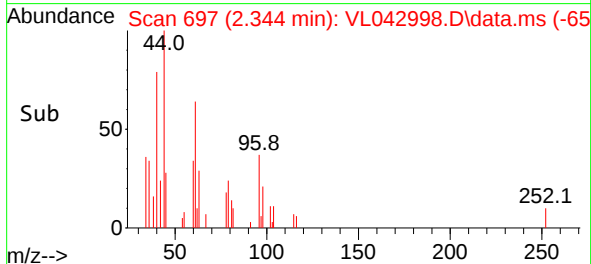
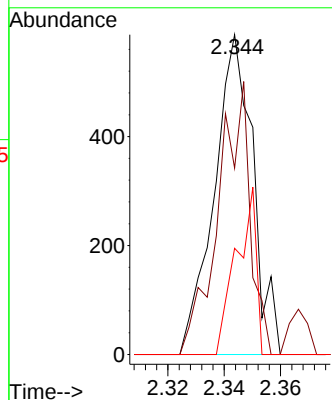
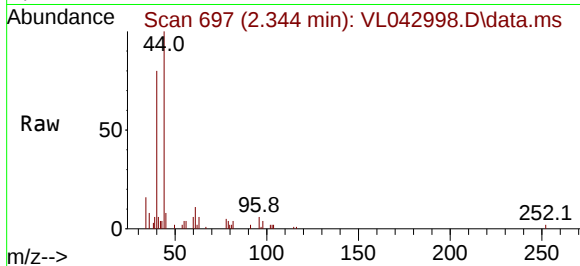




#31
 cis-1,2-Dichloroethene
 Concen: 0.026 ppbv
 RT: 2.344 min Scan# 61
 Delta R.T. -0.372 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

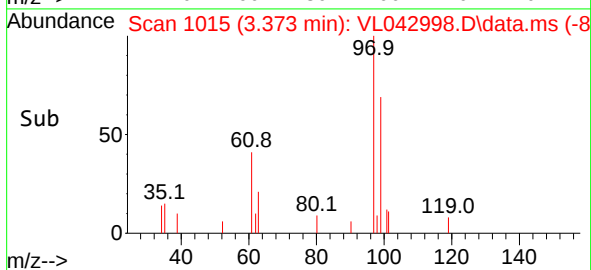
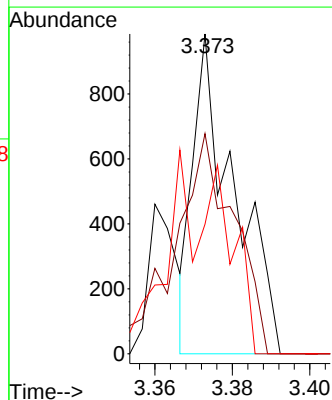
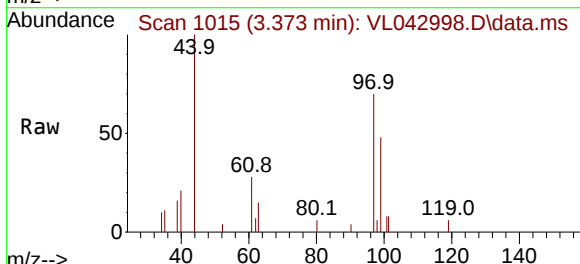
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

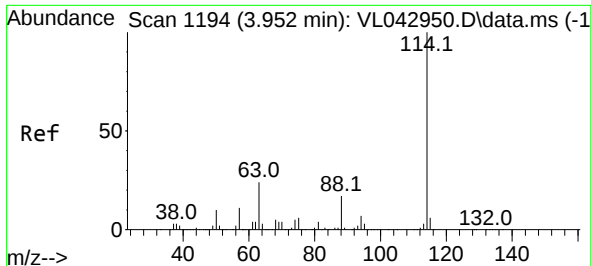
Tgt Ion:	61	Resp:	561
Ion	Ratio	Lower	Upper
61	100		
96	58.3	53.0	79.6
98	33.2	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.022 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.010 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion:	97	Resp:	723
Ion	Ratio	Lower	Upper
97	100		
99	99.7	51.1	76.7#
61	86.0	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: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

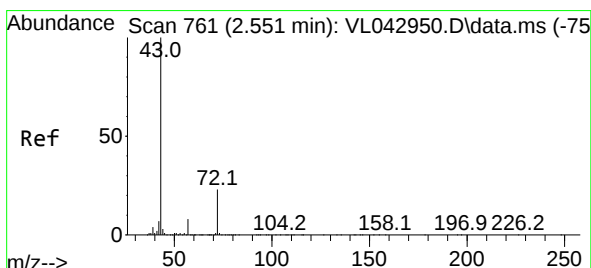
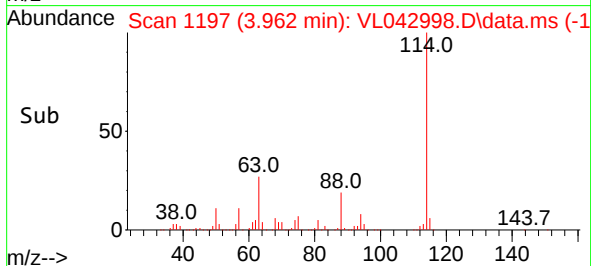
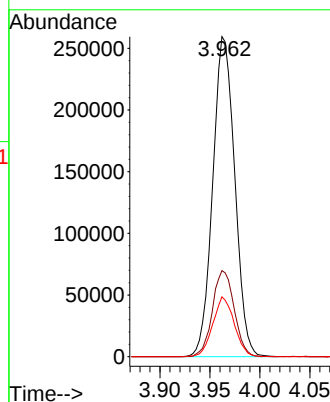
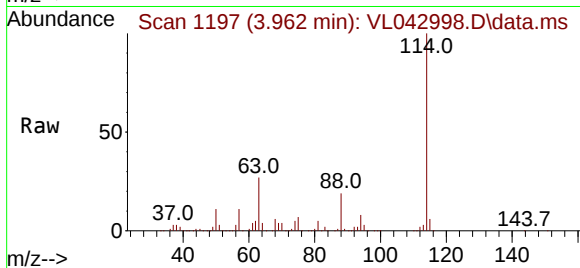
Tgt Ion:114 Resp: 397669

Ion Ratio Lower Upper

114 100

63 26.6 19.4 29.2

88 18.2 14.2 21.2



#34

2-Butanone

Concen: 0.024 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.013 min

Lab File: VL042998.D

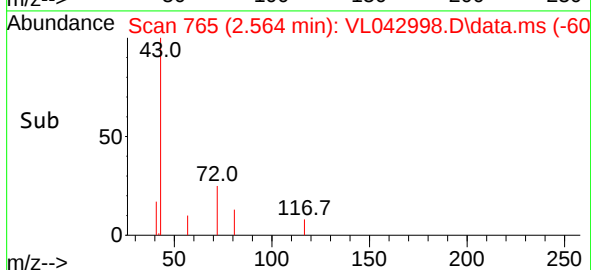
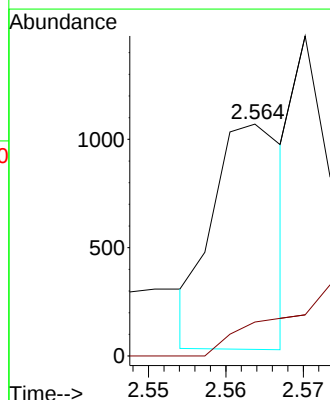
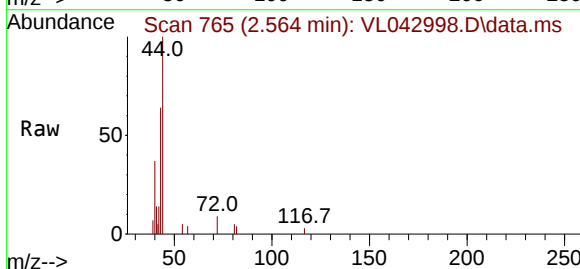
Acq: 23 Sep 2025 18:48

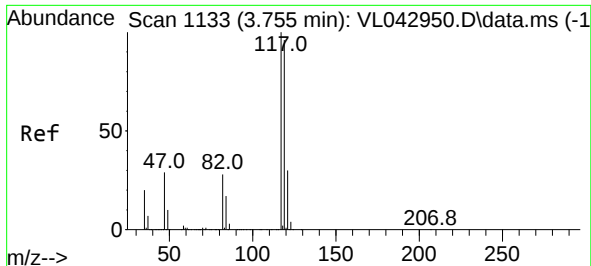
Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

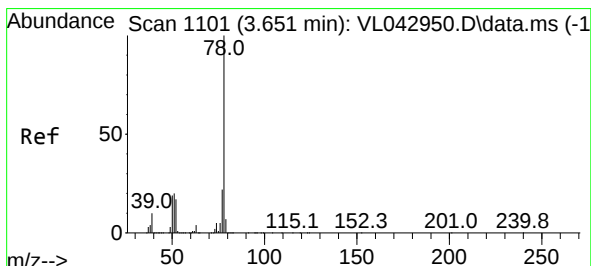
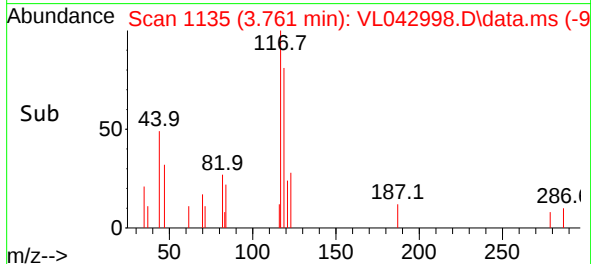
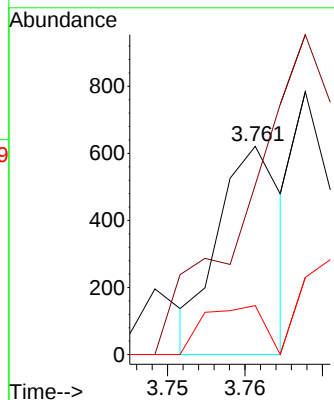
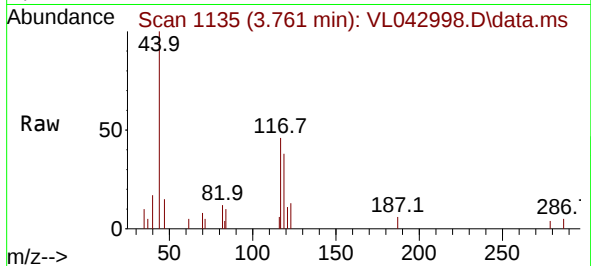




#35
Carbon Tetrachloride
Concen: 0.014 ppbv
RT: 3.761 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

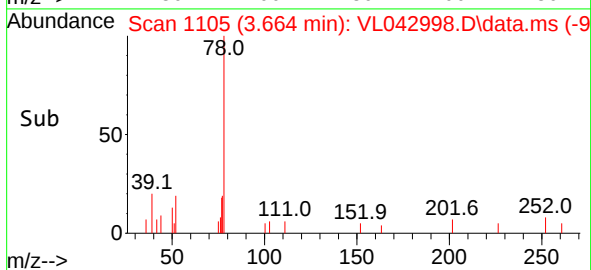
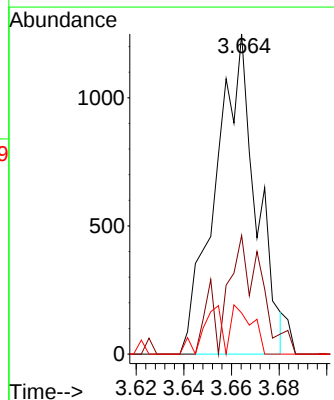
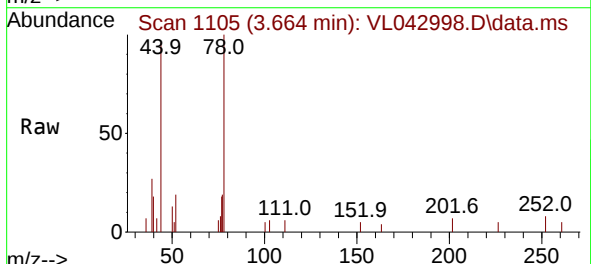
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

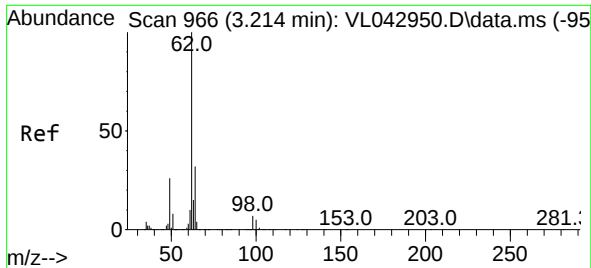
Tgt Ion:117 Resp: 355
Ion Ratio Lower Upper
117 100
119 55.4 76.9 115.3#
121 30.2 23.7 35.5



#36
Benzene
Concen: 0.039 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 78 Resp: 1471
Ion Ratio Lower Upper
78 100
77 37.1 17.8 26.6#
50 12.8 15.0 22.4#





#37

1,2-Dichloroethane

Concen: 0.023 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_1

ClientSampleId :

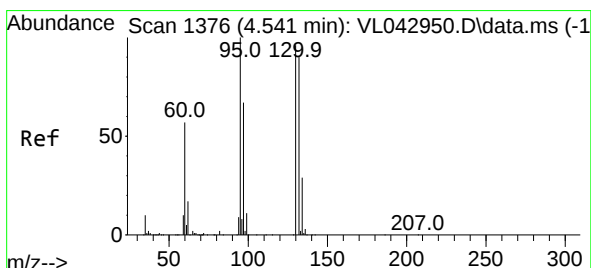
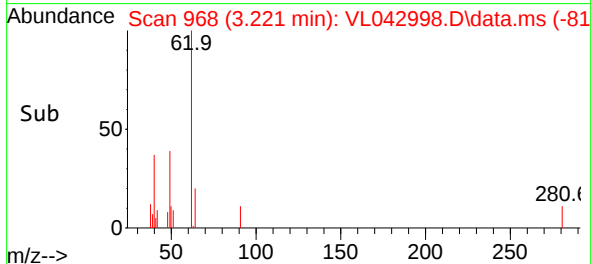
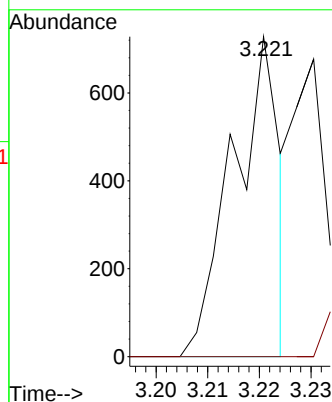
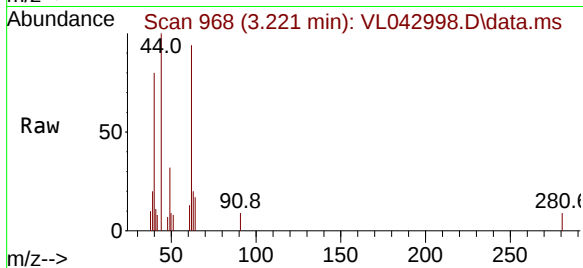
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 62 Resp: 458

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#38

Trichloroethene

Concen: 0.036 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.010 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Tgt Ion:130 Resp: 660

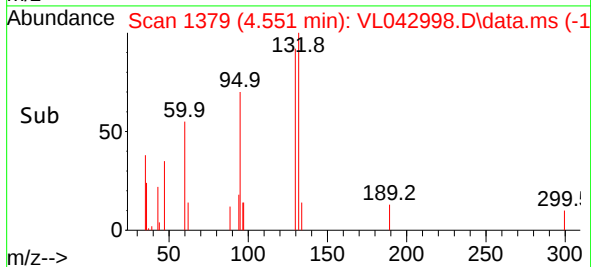
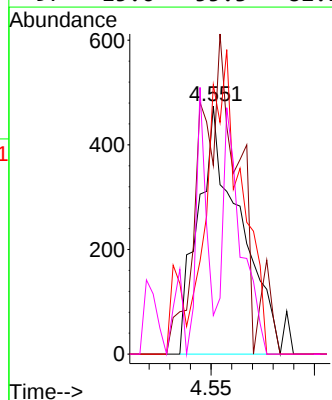
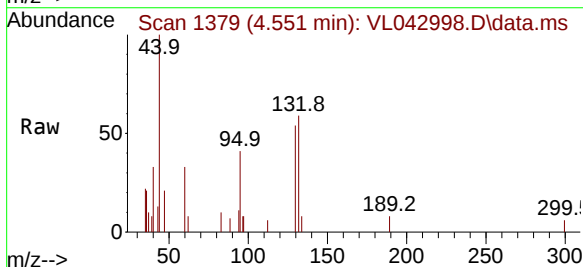
Ion Ratio Lower Upper

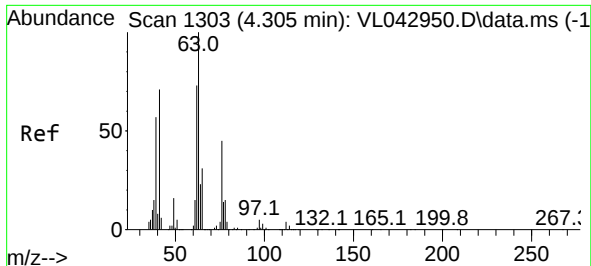
130 100

95 76.2 83.0 124.4#

132 108.6 74.6 112.0

97 15.6 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 7.744 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.343 min

Lab File: VL042998.D

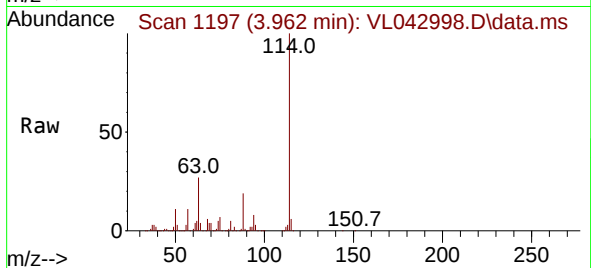
Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



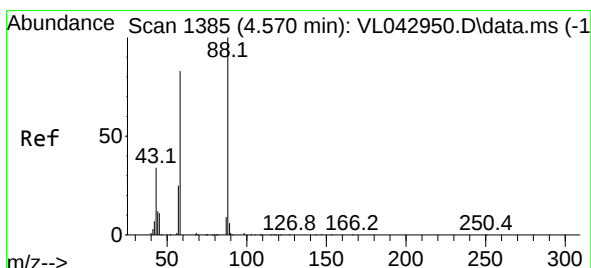
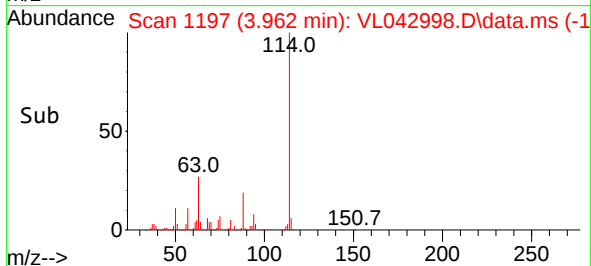
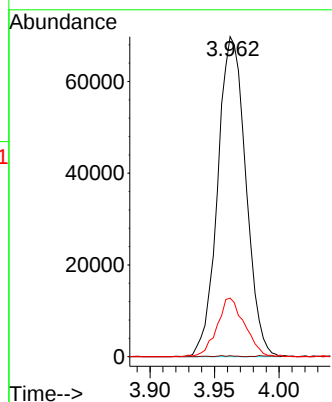
Tgt Ion: 63 Resp: 105571

Ion Ratio Lower Upper

63 100

41 0.2 57.5 86.3#

62 18.3 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.005 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. -0.016 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Tgt Ion: 88 Resp: 31

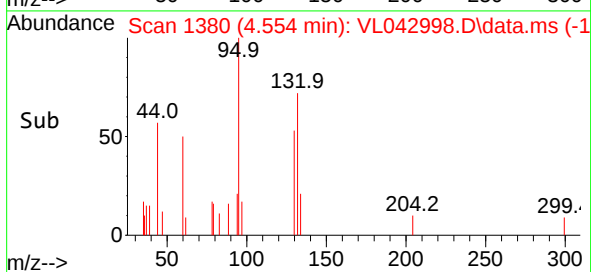
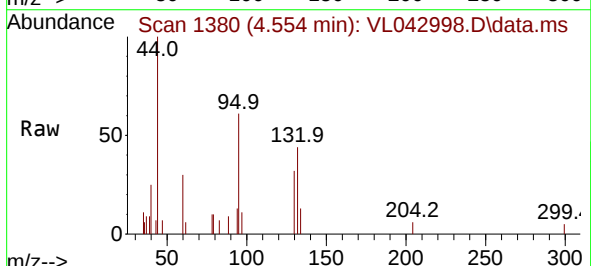
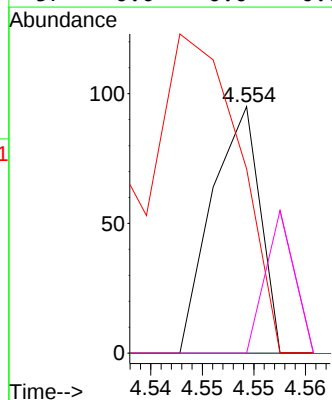
Ion Ratio Lower Upper

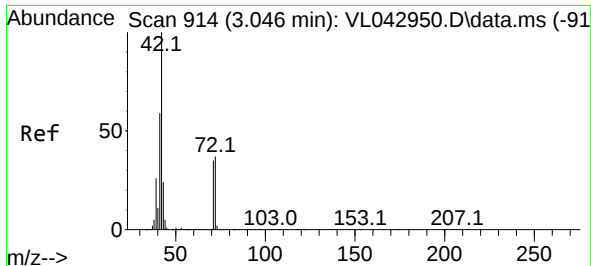
88 100

58 0.0 59.7 89.5#

43 277.4 28.9 43.3#

57 0.0 0.0 0.0

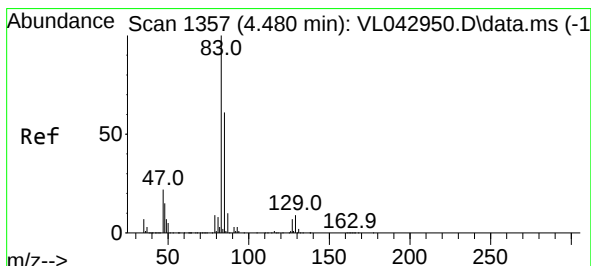
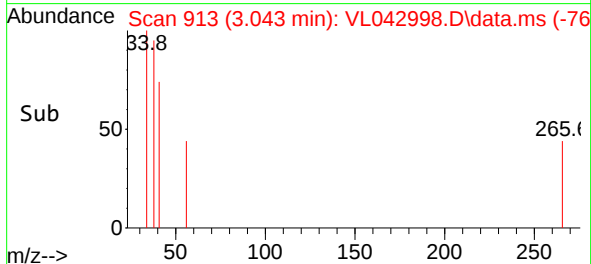
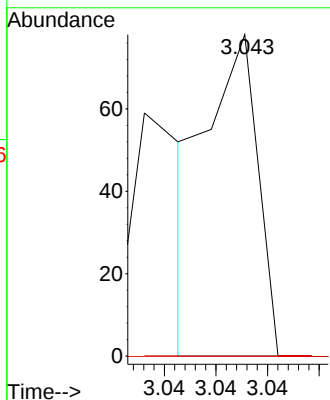
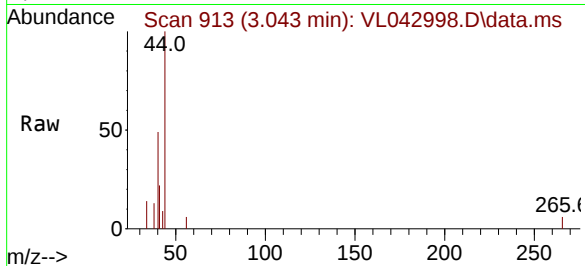




#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 3.043 min Scan# 914
Delta R.T. -0.003 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

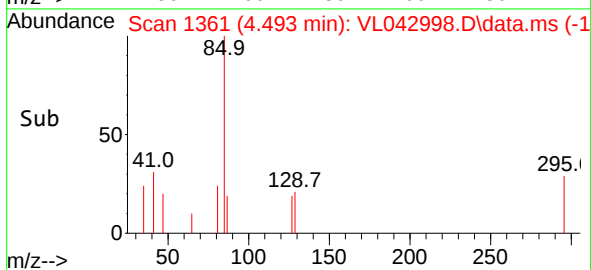
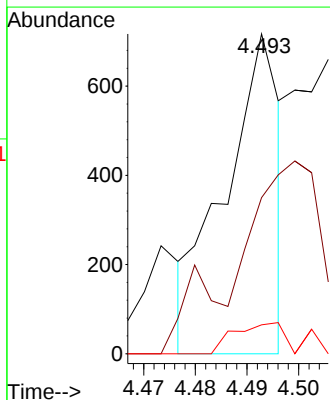
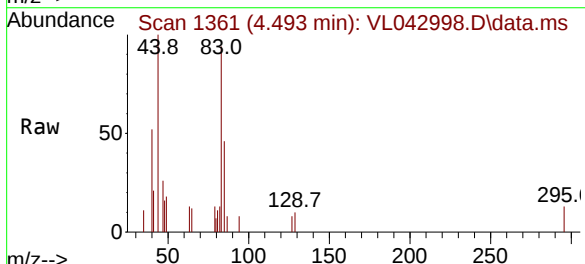
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

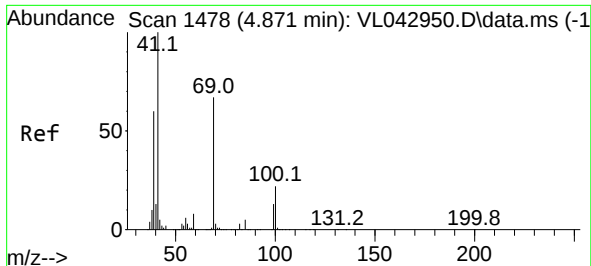
Tgt Ion: 42 Resp: 26
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.8 43.2#



#42
Bromodichloromethane
Concen: 0.019 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 83 Resp: 530
Ion Ratio Lower Upper
83 100
85 53.1 49.0 73.6
127 12.7 5.3 7.9#

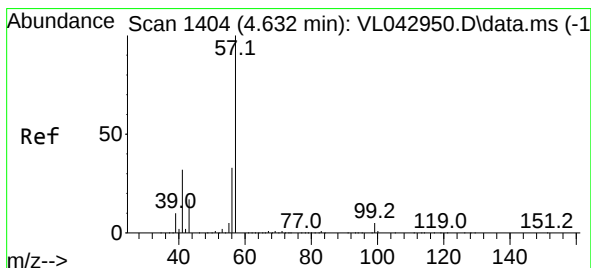
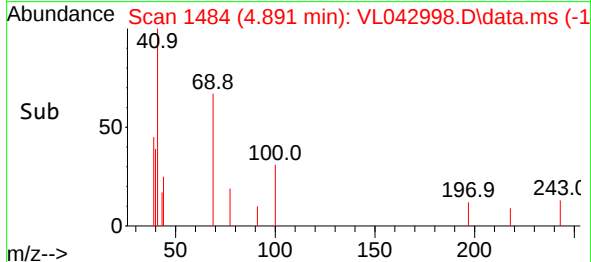
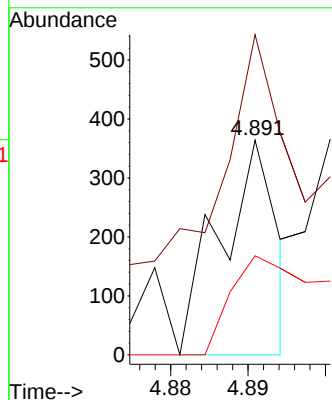
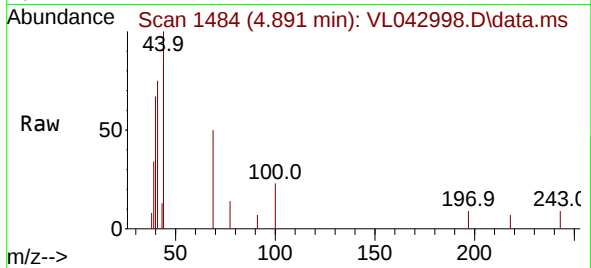




#43
Methyl Methacrylate
Concen: 0.012 ppbv
RT: 4.891 min Scan# 1478
Delta R.T. 0.019 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

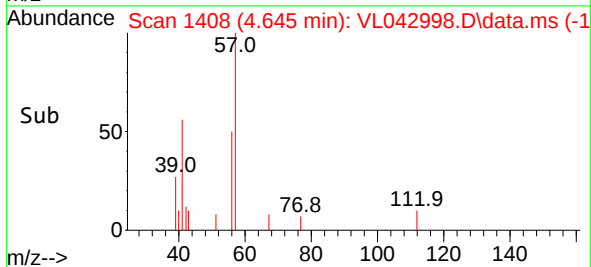
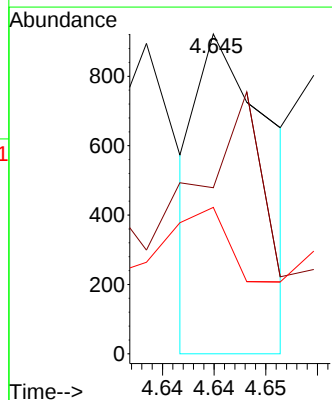
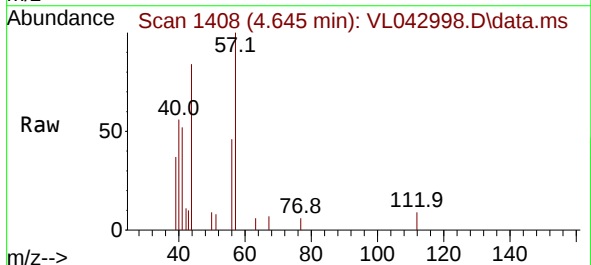
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

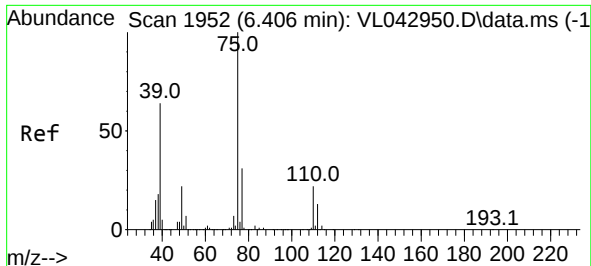
Tgt Ion: 69 Resp: 186
Ion Ratio Lower Upper
69 100
41 395.7 124.5 186.7#
100 90.3 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.007 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 57 Resp: 446
Ion Ratio Lower Upper
57 100
41 252.7 25.5 38.3#
56 173.1 25.8 38.8#

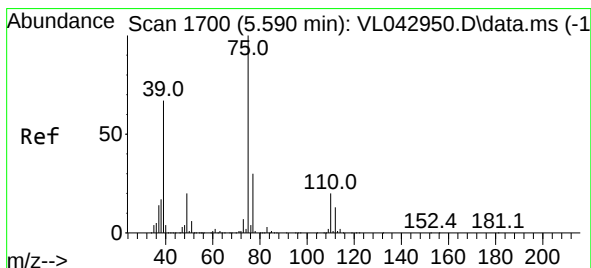
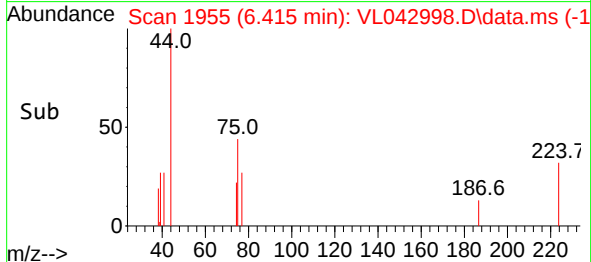
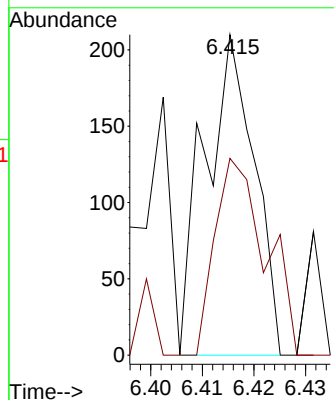
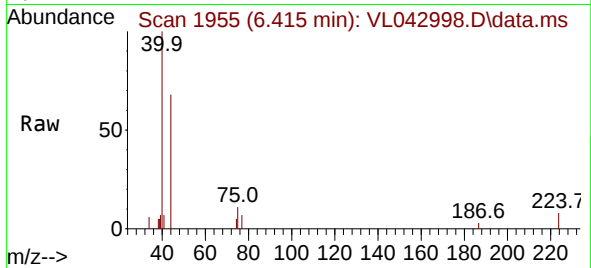




#45
 t-1,3-Dichloropropene
 Concen: 0.009 ppbv
 RT: 6.415 min Scan# 1952
 Delta R.T. 0.010 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

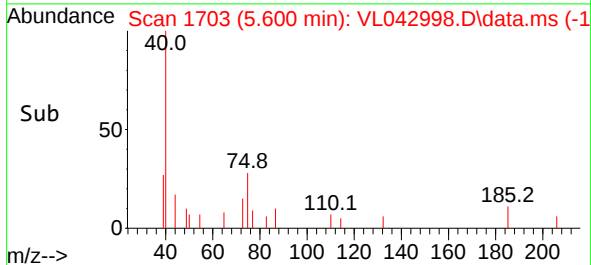
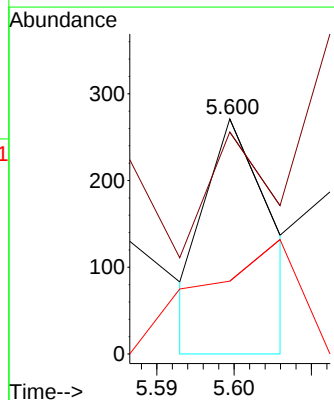
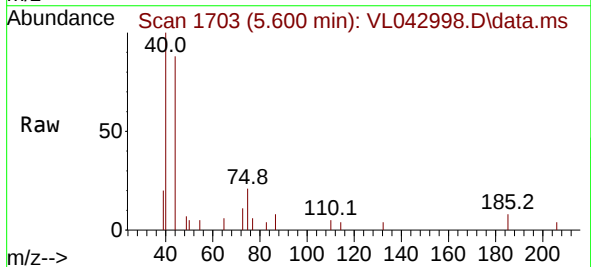
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

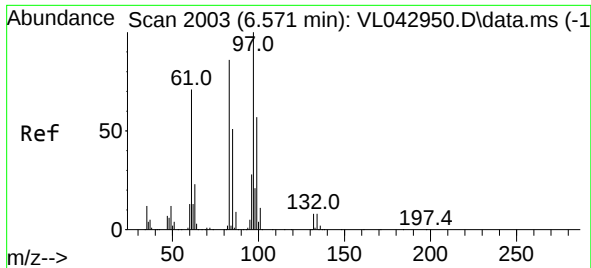
Tgt Ion: 75 Resp: 141
 Ion Ratio Lower Upper
 75 100
 77 61.4 25.0 37.4#



#46
 cis-1,3-Dichloropropene
 Concen: 0.004 ppbv
 RT: 5.600 min Scan# 1703
 Delta R.T. 0.010 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion: 75 Resp: 79
 Ion Ratio Lower Upper
 75 100
 39 77.1 53.8 80.6
 77 4.8 23.6 35.4#

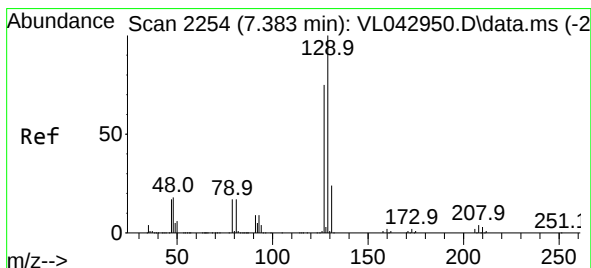
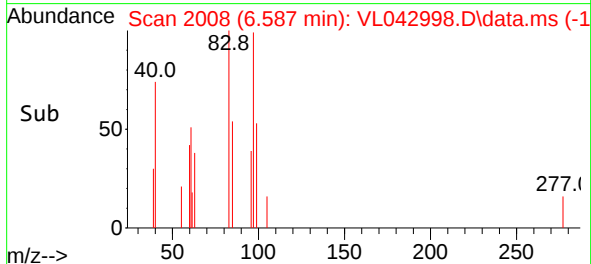
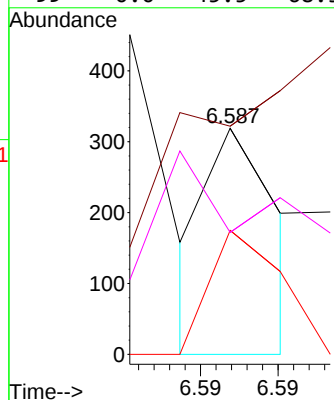
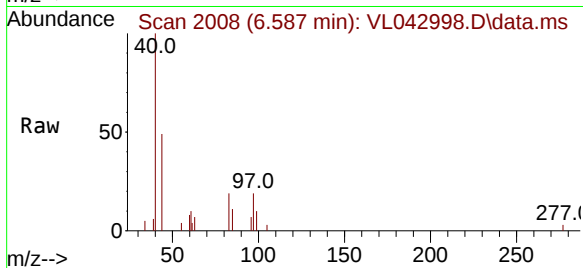




#47
1,1,2-Trichloroethane
Concen: 0.007 ppbv
RT: 6.587 min Scan# 2149
Delta R.T. 0.016 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

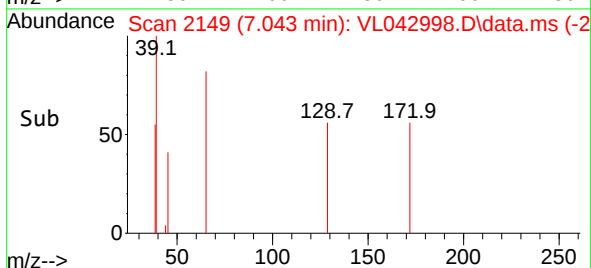
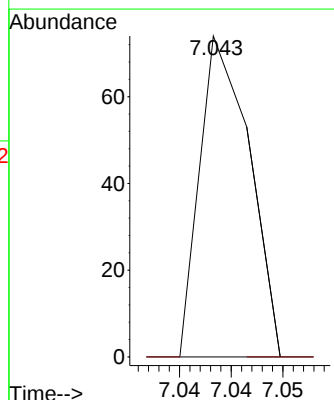
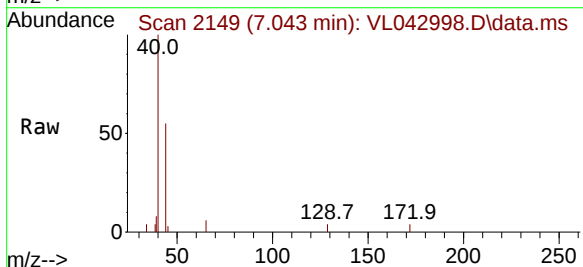
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

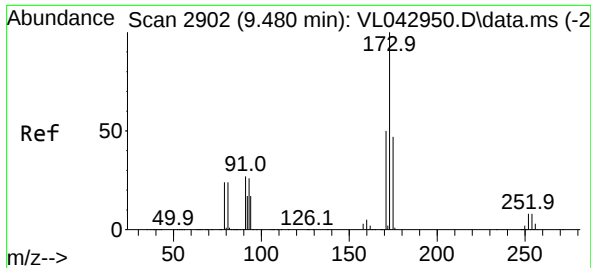
Tgt Ion:	97	Resp:	100
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.7	103.1#
85	108.7	40.6	60.8#
99	0.0	45.5	68.3#



#48
Dibromochloromethane
Concen: 0.001 ppbv
RT: 7.043 min Scan# 2149
Delta R.T. -0.340 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion:	129	Resp:	25
Ion	Ratio	Lower	Upper
129	100		
127	88.0	39.1	117.2





#49

Bromoform

Concen: 0.004 ppbv

RT: 9.503 min Scan# 2902

Delta R.T. 0.023 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

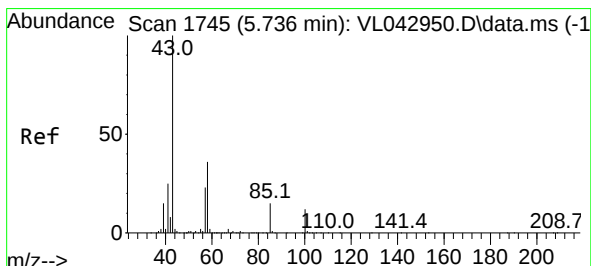
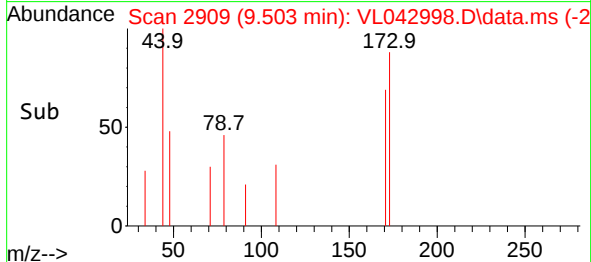
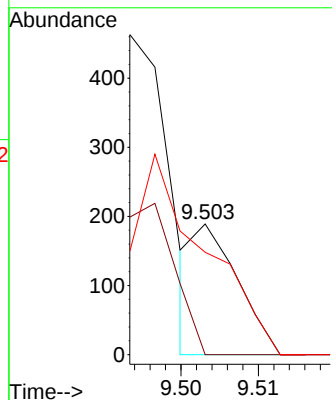
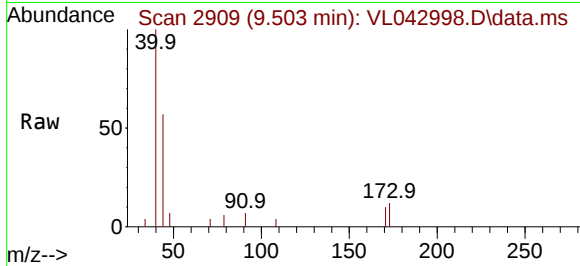
Tgt Ion:173 Resp: 74

Ion Ratio Lower Upper

173 100

175 0.0 37.9 56.9#

171 0.0 41.1 61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 5.768 min Scan# 1755

Delta R.T. 0.032 min

Lab File: VL042998.D

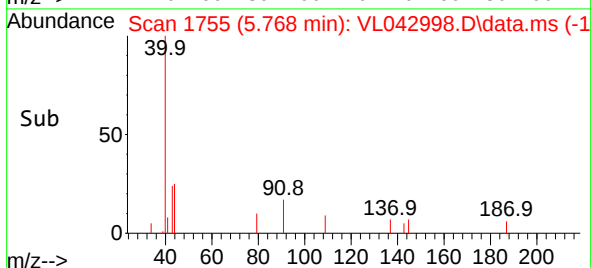
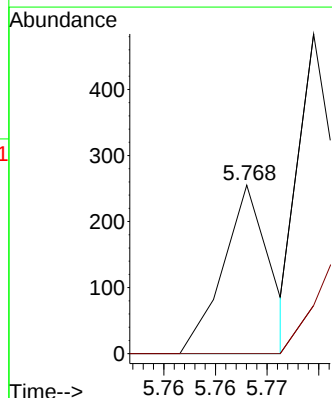
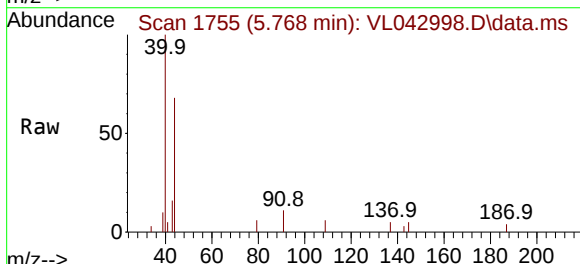
Acq: 23 Sep 2025 18:48

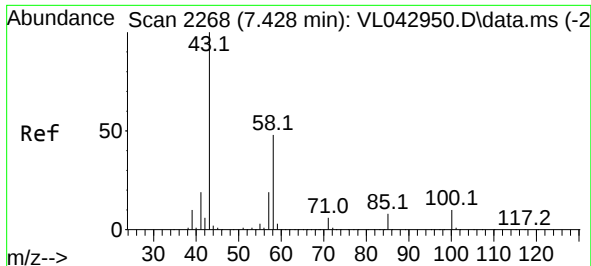
Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

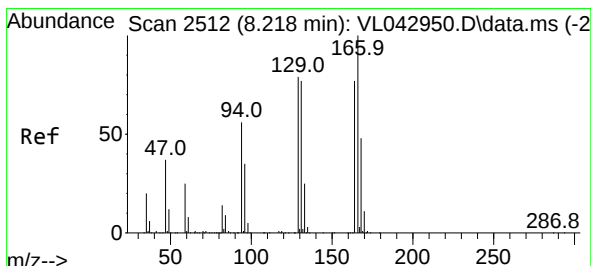
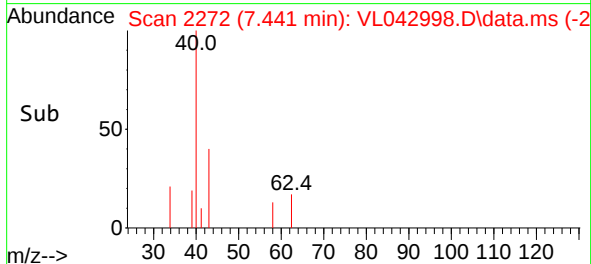
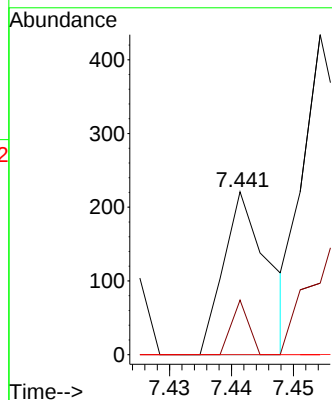
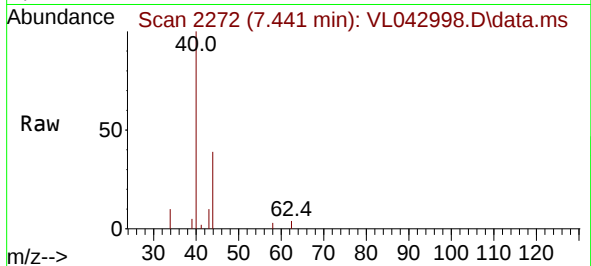




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.441 min Scan# 2111
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

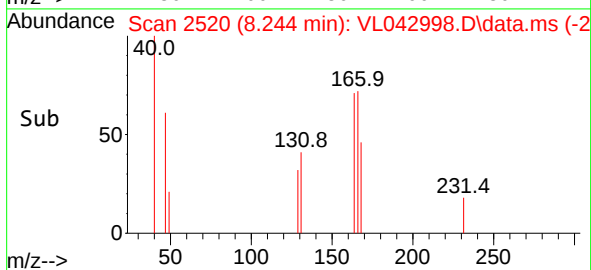
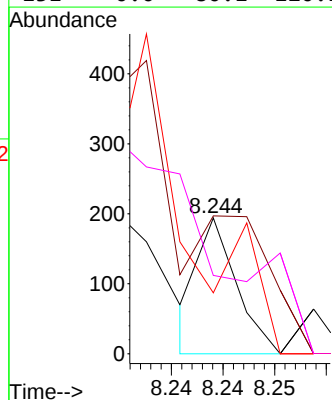
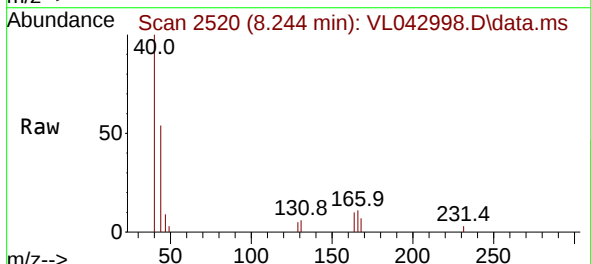
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

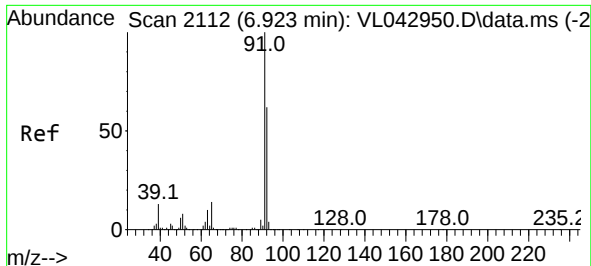
Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.003 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 164 Resp: 49
Ion Ratio Lower Upper
164 100
166 54.6 103.5 155.3#
129 44.8 82.2 123.4#
131 0.0 80.1 120.1#

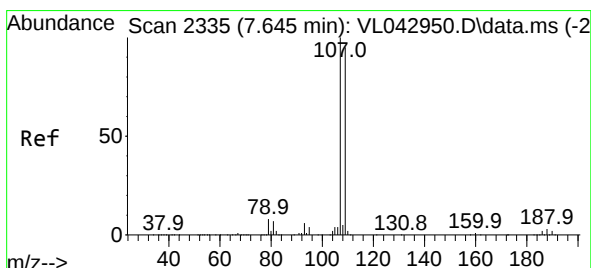
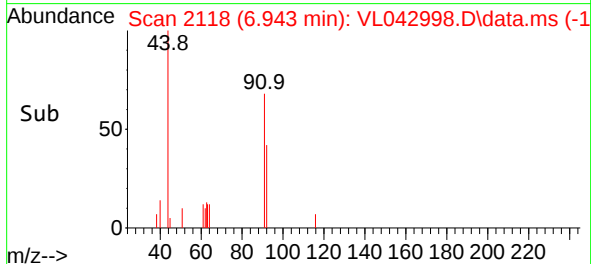
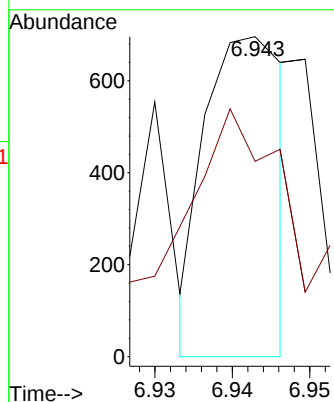
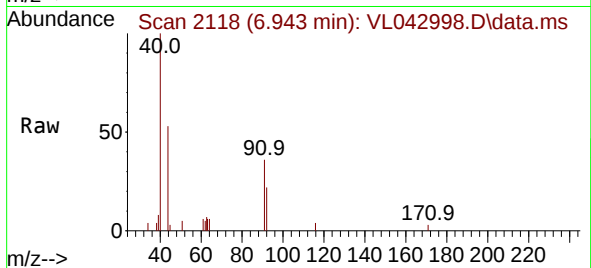




#53
Toluene
Concen: 0.011 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.019 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

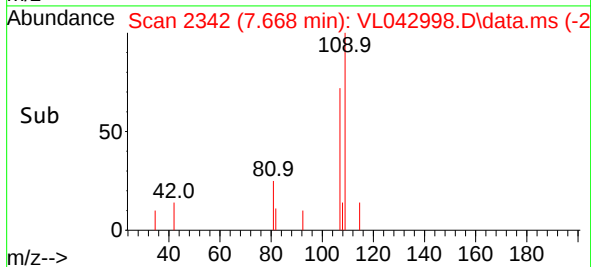
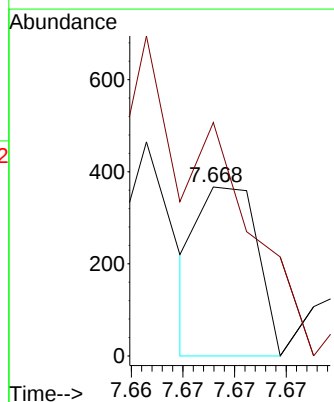
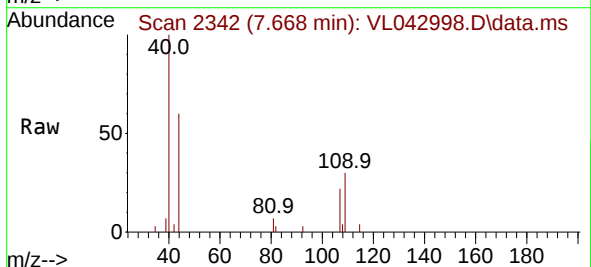
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

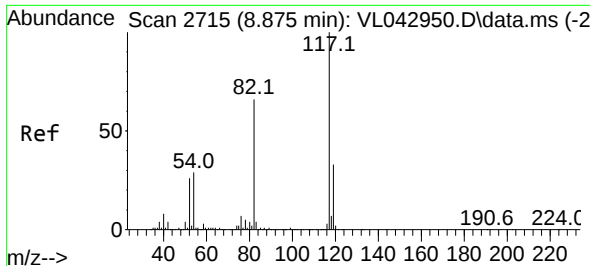
Tgt Ion: 91 Resp: 495
Ion Ratio Lower Upper
91 100
92 169.7 48.2 72.2#



#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.023 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 107 Resp: 141
Ion Ratio Lower Upper
107 100
109 79.6 75.8 113.8

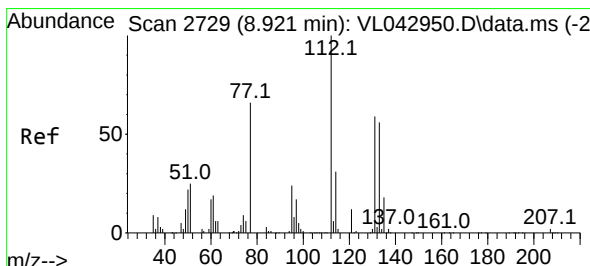
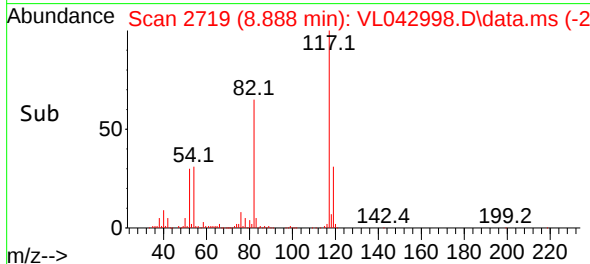
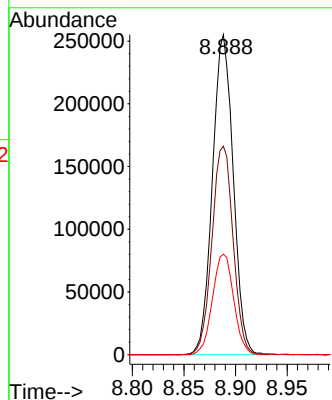
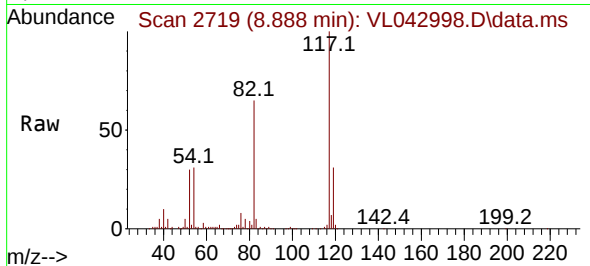




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

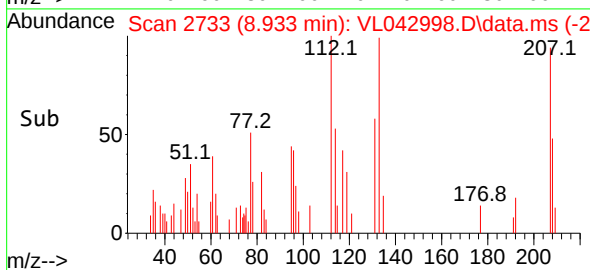
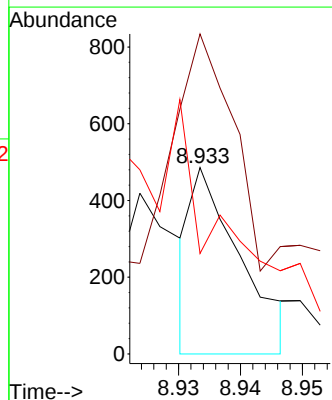
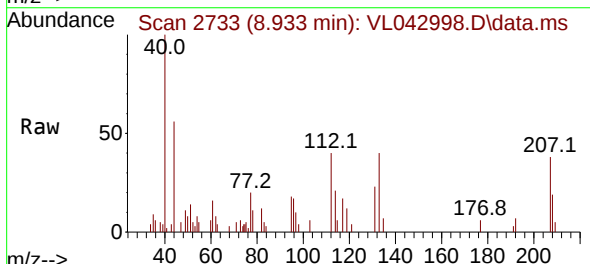
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

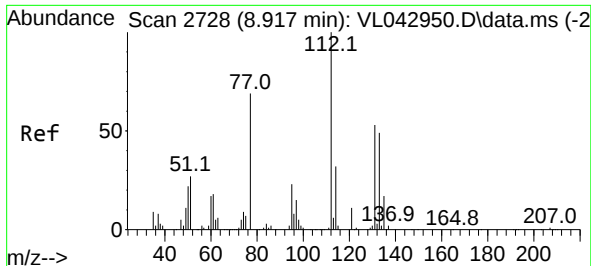
Tgt Ion:117 Resp: 356735
Ion Ratio Lower Upper
117 100
82 66.4 52.8 79.2
119 32.2 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.016 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion:131 Resp: 268
Ion Ratio Lower Upper
131 100
133 439.9 76.6 114.8#
119 0.0 49.9 74.9#





#57

Chlorobenzene

Concen: 0.014 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

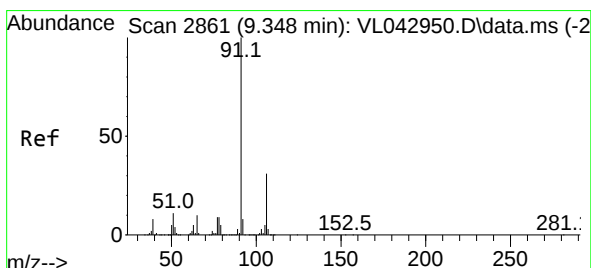
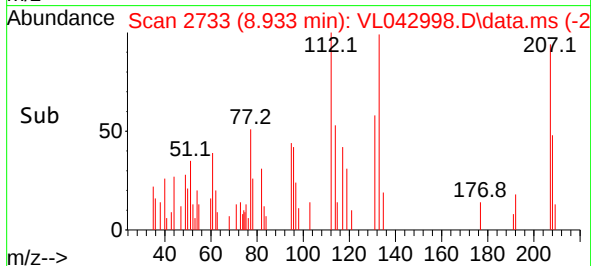
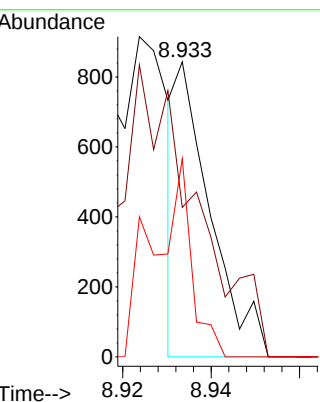
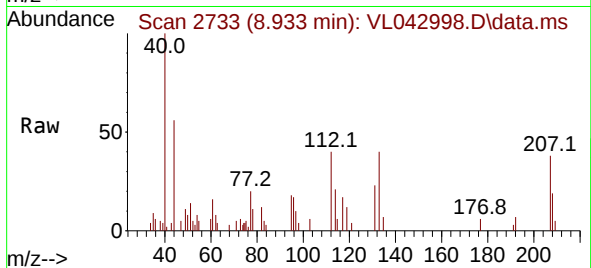
Tgt Ion:112 Resp: 455

Ion Ratio Lower Upper

112 100

77 50.7 55.7 83.5#

114 67.1 28.6 35.0#



#58

Ethyl Benzene

Concen: 0.013 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. 0.184 min

Lab File: VL042998.D

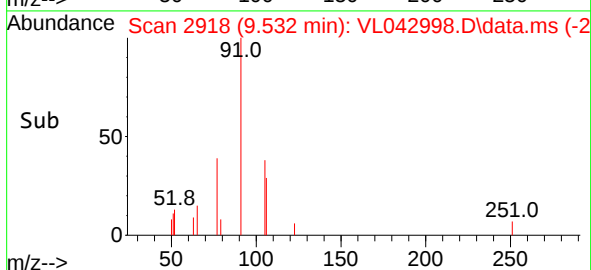
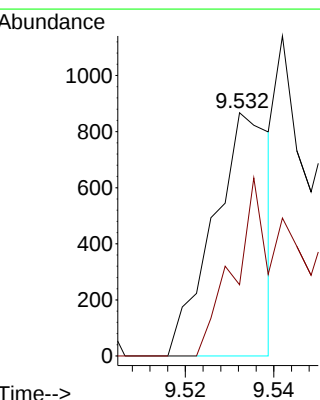
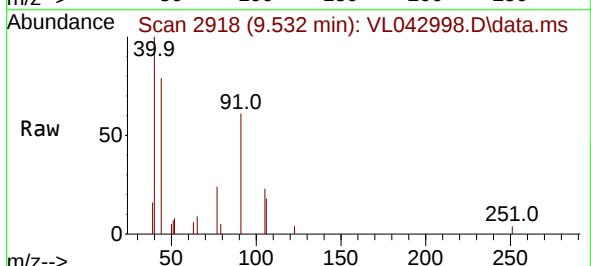
Acq: 23 Sep 2025 18:48

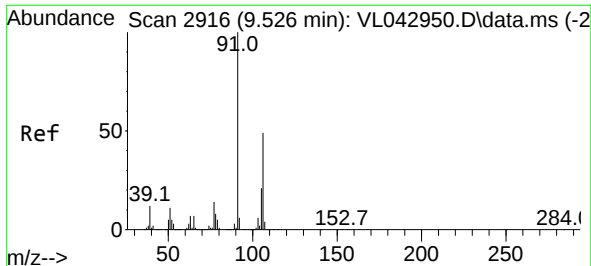
Tgt Ion: 91 Resp: 763

Ion Ratio Lower Upper

91 100

106 29.3 24.6 37.0





#59

m/p-Xylene

Concen: 0.010 ppbv

RT: 9.542 min Scan# 2916

Delta R.T. 0.016 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_1

ClientSampleId :

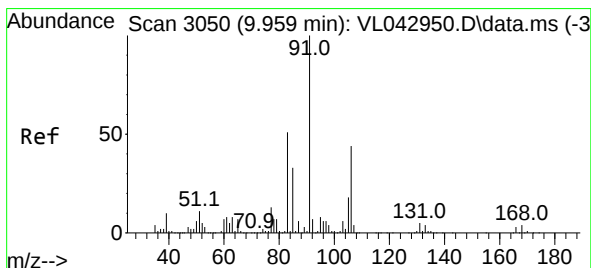
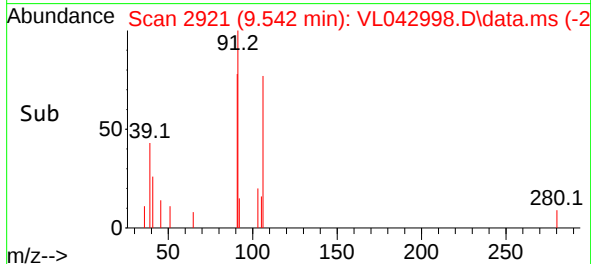
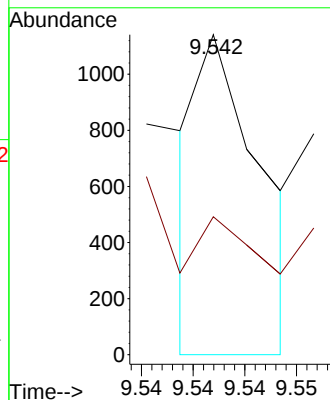
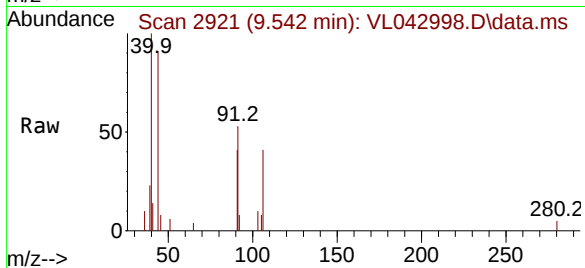
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 91 Resp: 477

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.010 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.013 min

Lab File: VL042998.D

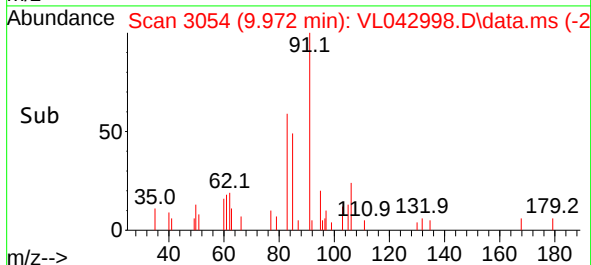
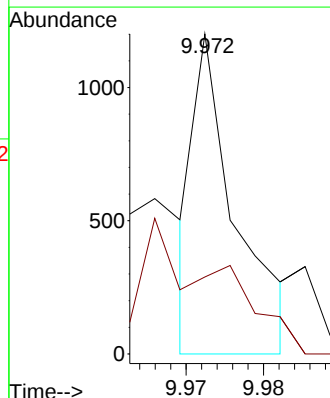
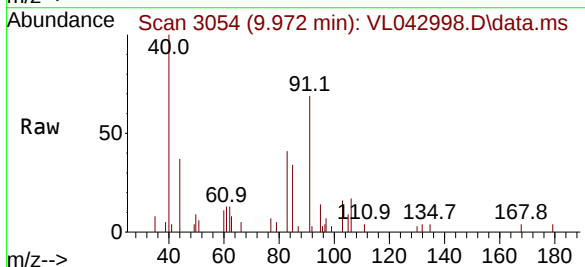
Acq: 23 Sep 2025 18:48

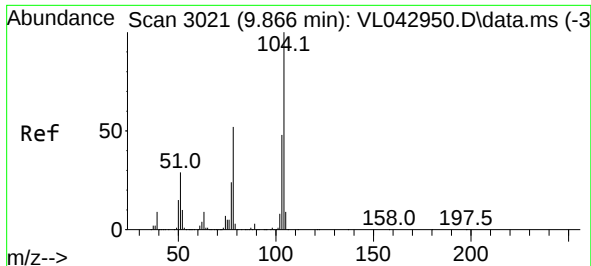
Tgt Ion: 91 Resp: 455

Ion Ratio Lower Upper

91 100

106 0.0 22.4 67.0#





#61

Styrene

Concen: 0.004 ppbv

RT: 9.885 min Scan# 3021

Delta R.T. 0.019 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

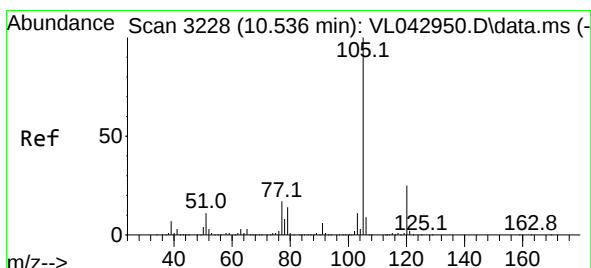
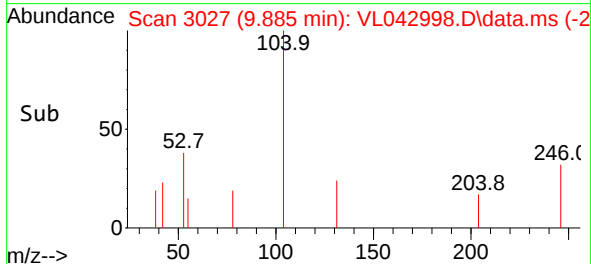
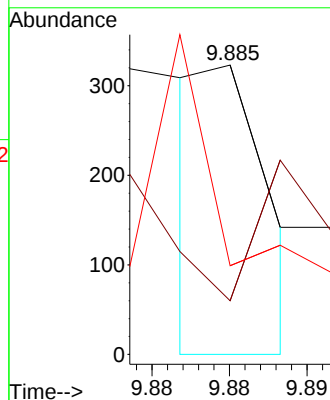
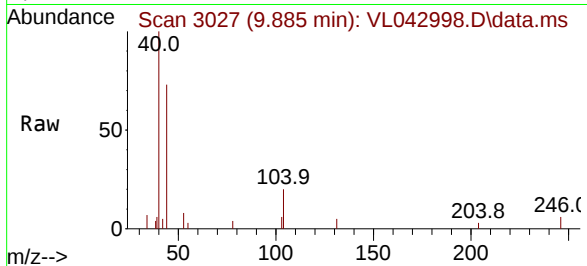
Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:104	Resp:	90
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.9 59.9#
103	0.0	36.9 55.3#



#62

Isopropylbenzene

Concen: 0.020 ppbv

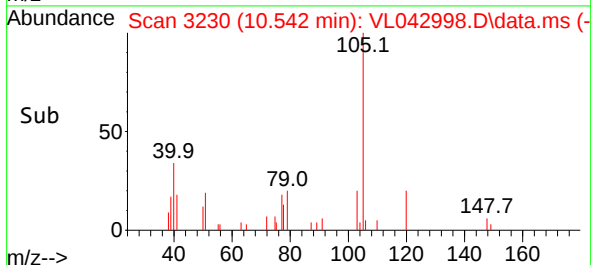
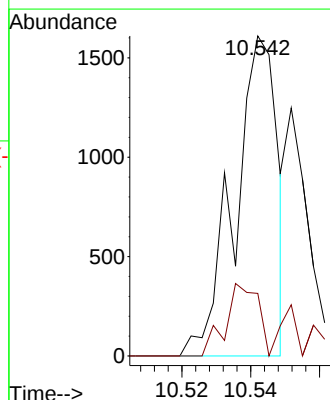
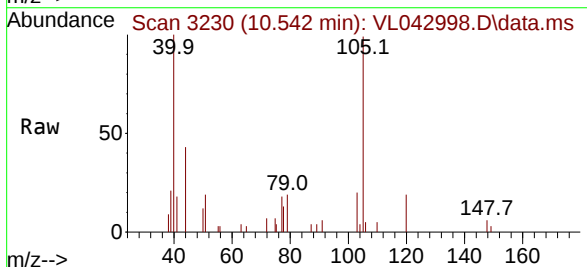
RT: 10.542 min Scan# 3230

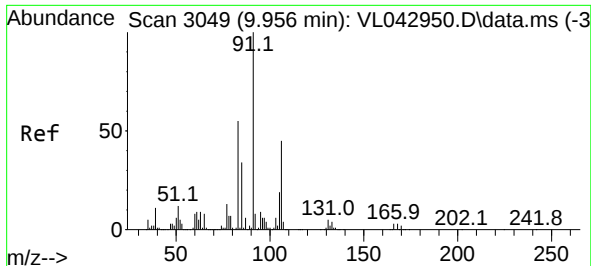
Delta R.T. 0.006 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Tgt Ion:105	Resp:	1393
Ion Ratio	Lower	Upper
105	100	
120	22.9	20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.039 ppbv

RT: 9.976 min Scan# 3049

Delta R.T. 0.019 min

Lab File: VL042998.D

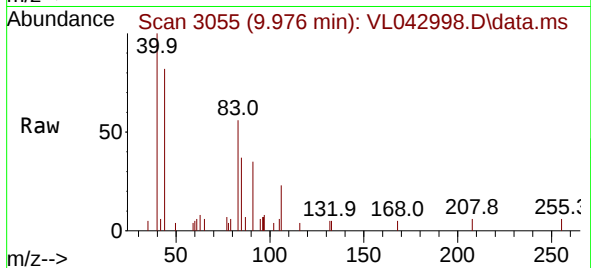
Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



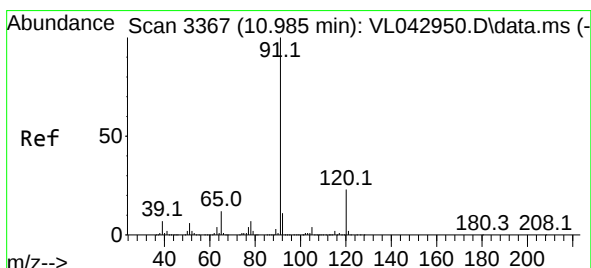
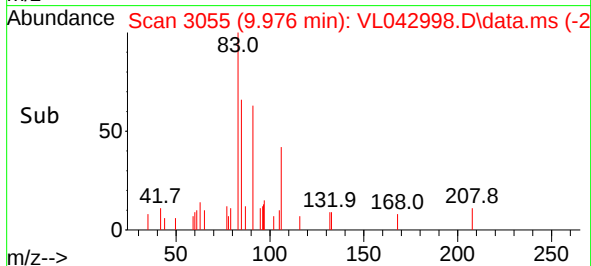
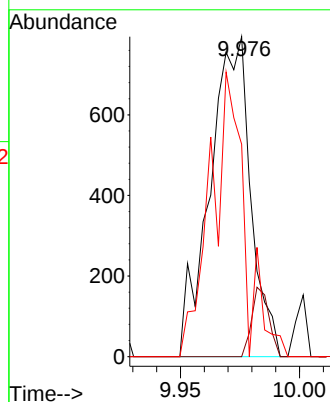
Tgt Ion: 83 Resp: 947

Ion Ratio Lower Upper

83 100

131 9.1 4.8 14.4

85 73.6 32.2 96.6



#64

n-propylbenzene

Concen: 0.013 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.013 min

Lab File: VL042998.D

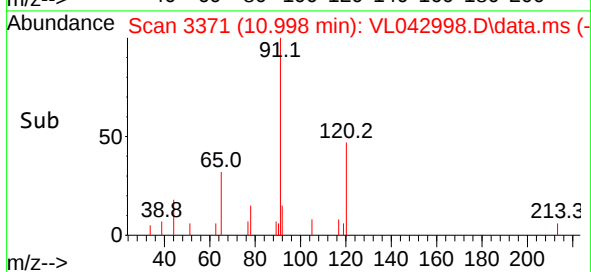
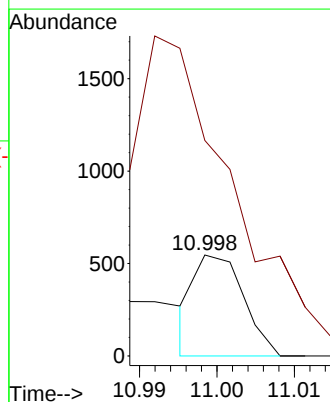
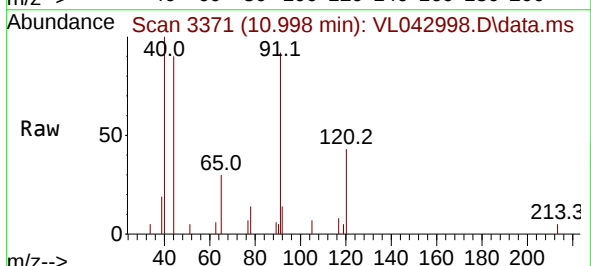
Acq: 23 Sep 2025 18:48

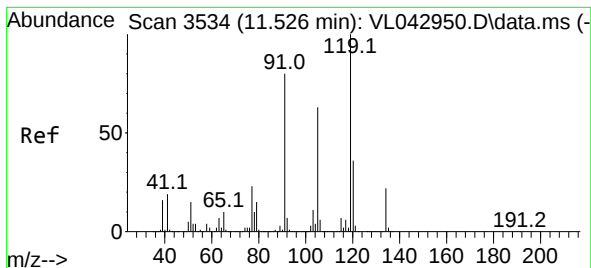
Tgt Ion: 120 Resp: 237

Ion Ratio Lower Upper

120 100

91 0.0 364.9 547.3#





#65

tert-Butylbenzene

Concen: 0.009 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.013 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

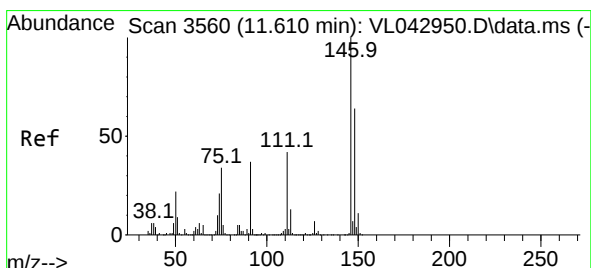
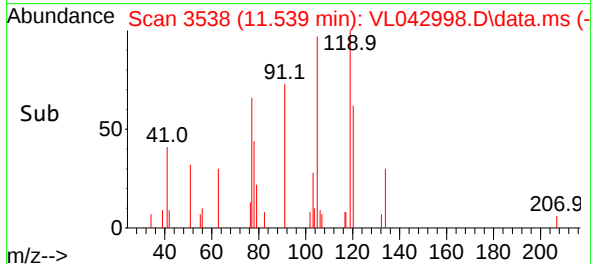
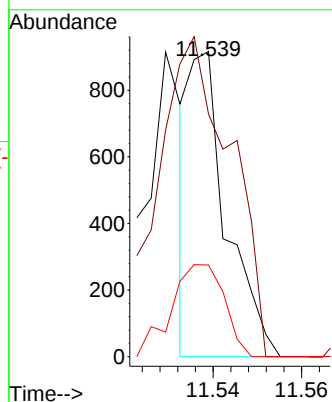
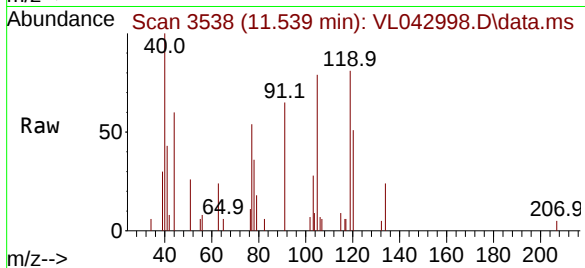
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	119	Resp:	536
Ion	Ratio	Lower	Upper
119	100		
91	215.3	63.1	94.7#
134	43.1	17.0	25.6#



#66

Benzyl Chloride

Concen: 0.003 ppbv

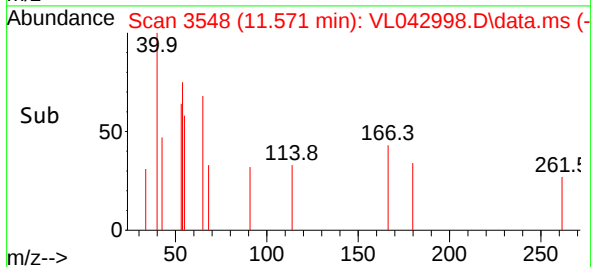
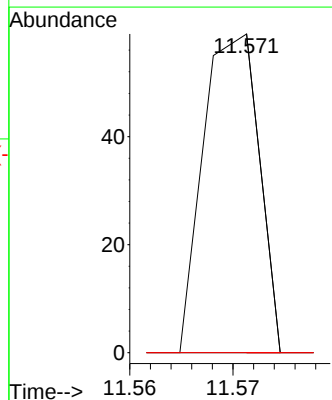
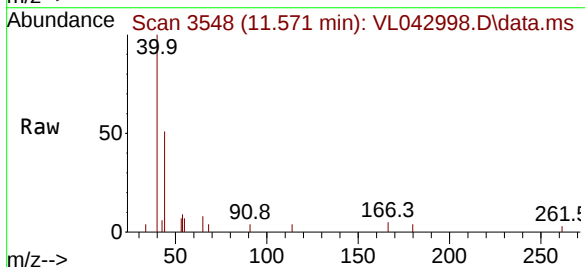
RT: 11.571 min Scan# 3548

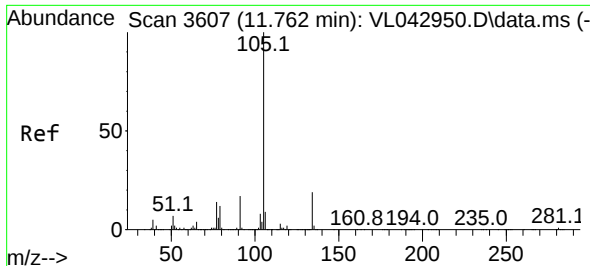
Delta R.T. -0.039 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Tgt Ion:	91	Resp:	22
Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.6	21.8#
128	0.0	5.0	7.4#

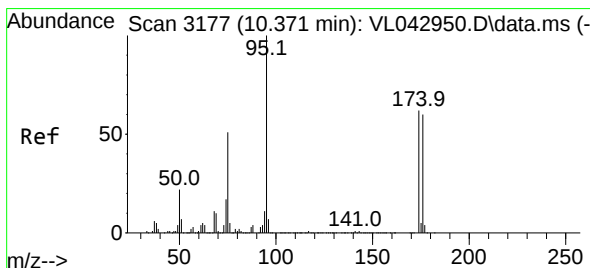
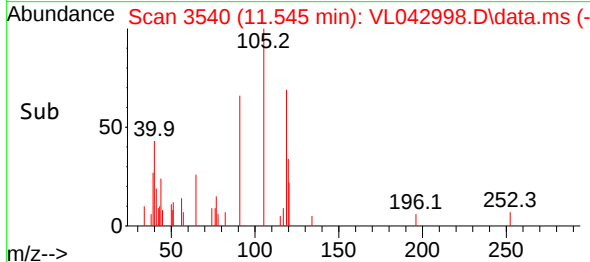
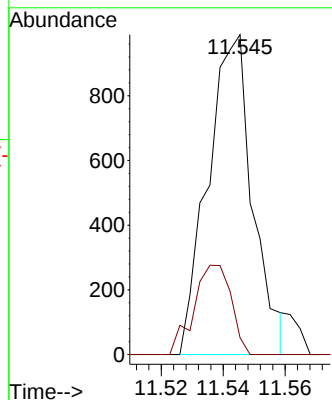
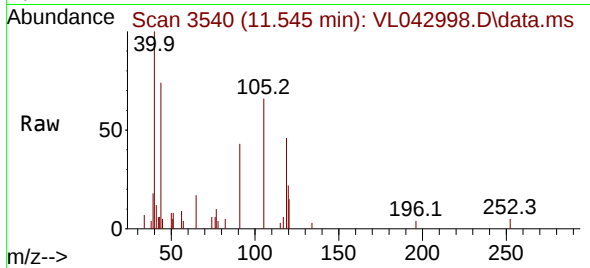




#67
 sec-Butylbenzene
 Concen: 0.012 ppbv
 RT: 11.545 min Scan# 3180
 Delta R.T. -0.217 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

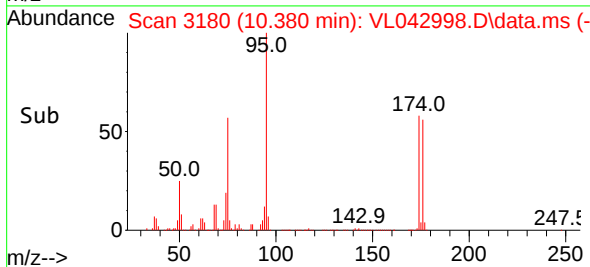
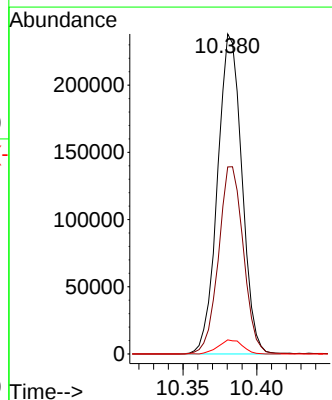
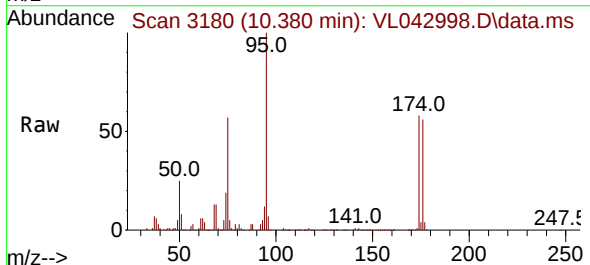
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

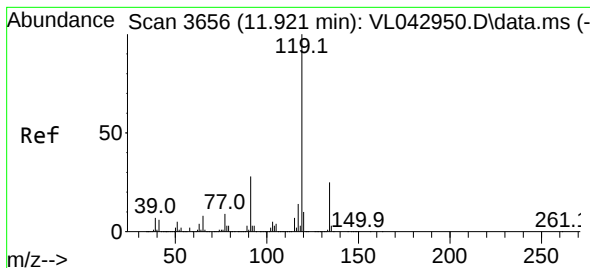
Tgt Ion:105 Resp: 989
 Ion Ratio Lower Upper
 105 100
 134 23.4 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.280 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

Tgt Ion: 95 Resp: 273738
 Ion Ratio Lower Upper
 95 100
 174 59.8 51.4 77.2
 175 4.4 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.022 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.013 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

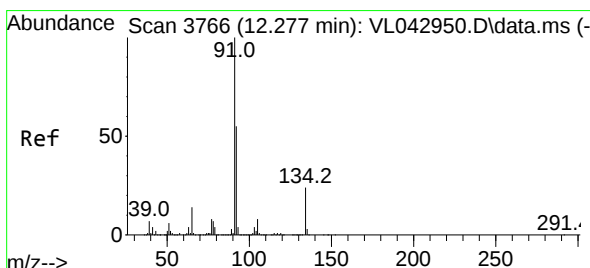
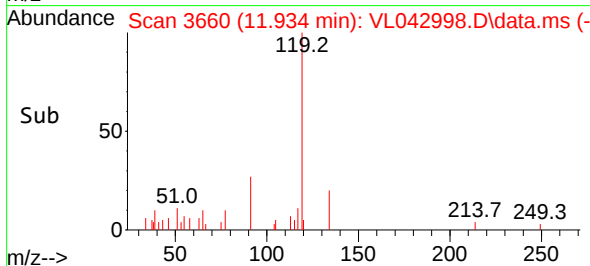
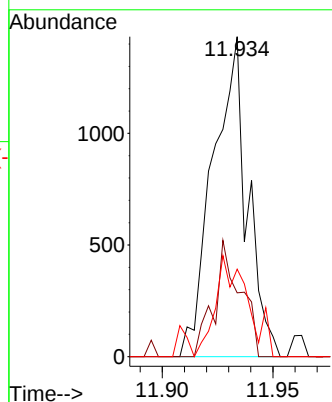
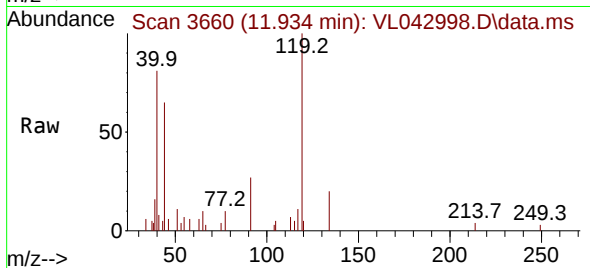
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	119	Resp:	1550
Ion	Ratio	Lower	Upper
119	100		
134	27.7	21.0	31.4
91	32.3	22.3	33.5



#70

n-Butylbenzene

Concen: 0.018 ppbv

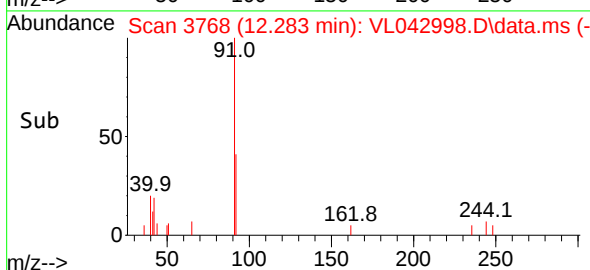
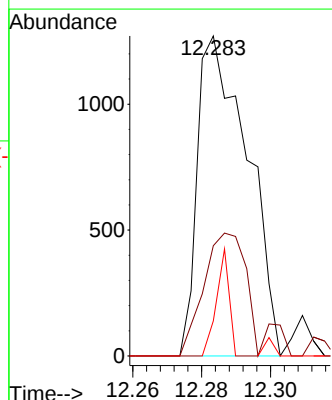
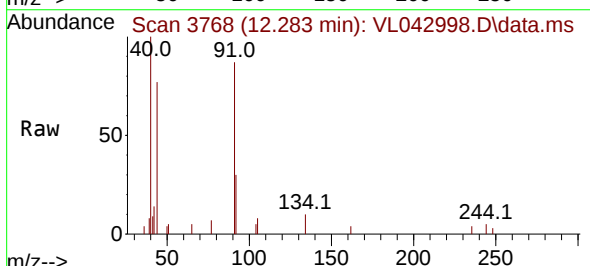
RT: 12.283 min Scan# 3768

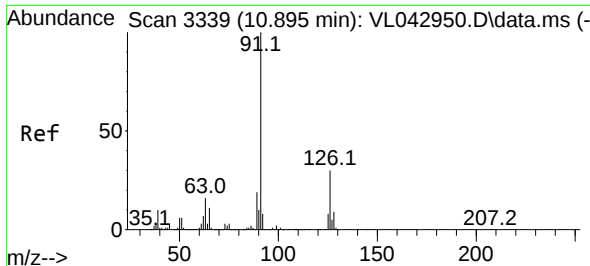
Delta R.T. 0.006 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Tgt Ion:	91	Resp:	1279
Ion	Ratio	Lower	Upper
91	100		
92	38.0	44.0	66.0#
134	9.7	19.4	29.2#

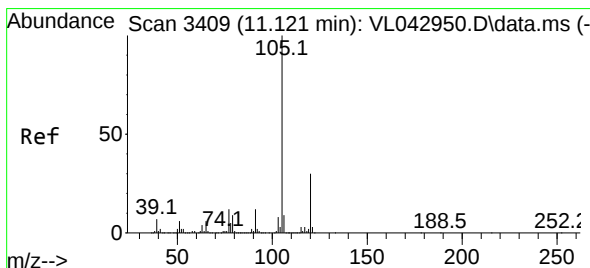
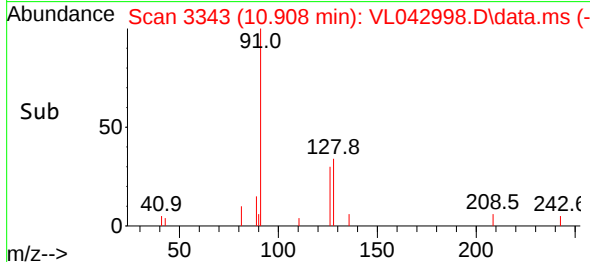
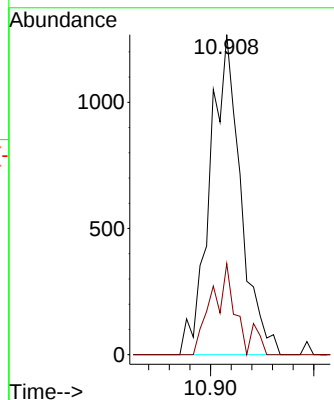
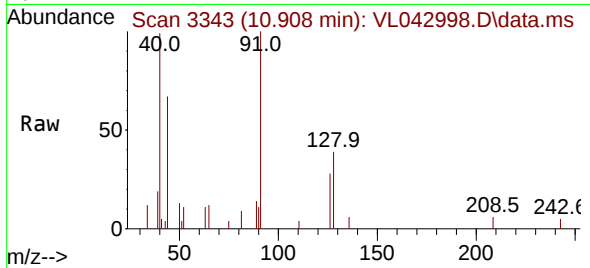




#71
2-Chlorotoluene
Concen: 0.025 ppbv
RT: 10.908 min Scan# 3116
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

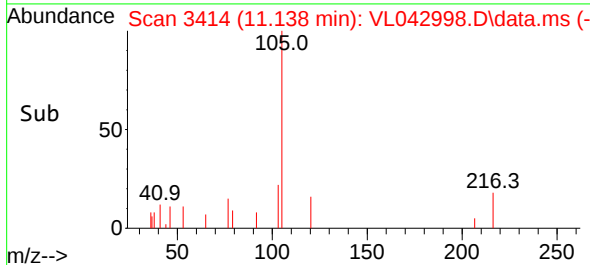
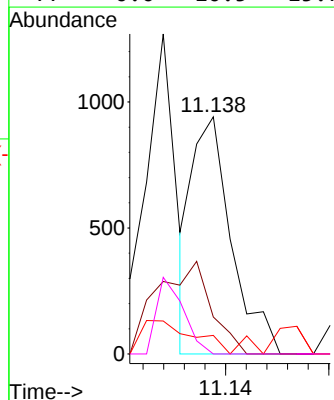
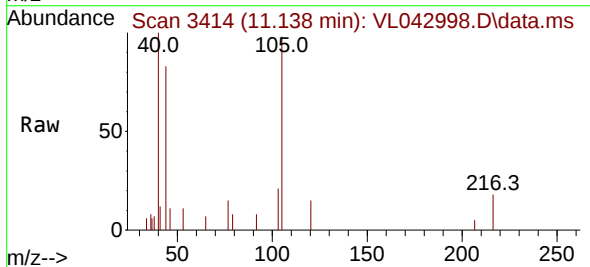
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

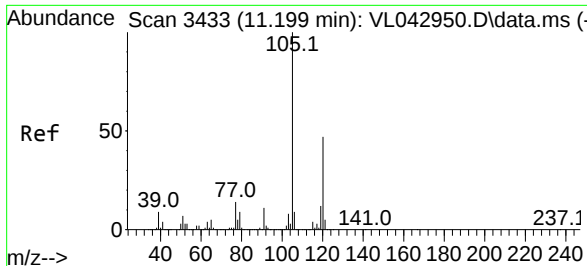
Tgt Ion: 91 Resp: 1316
Ion Ratio Lower Upper
91 100
126 23.3 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.009 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.016 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion: 105 Resp: 497
Ion Ratio Lower Upper
105 100
120 58.4 24.2 36.2#
91 0.0 10.0 15.0#
77 0.0 10.5 15.7#

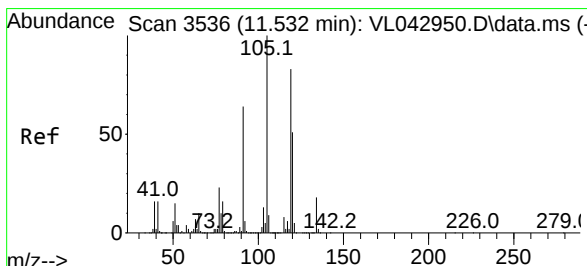
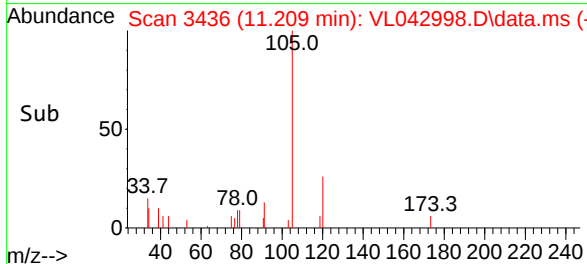
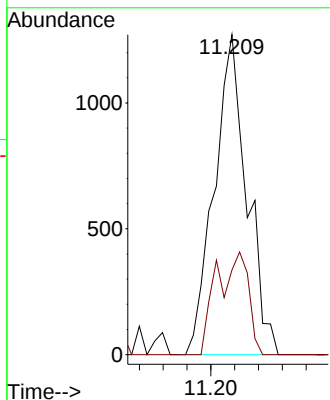
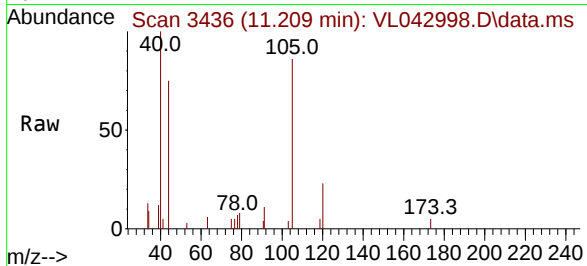




#73
1,3,5-Trimethylbenzene
Concen: 0.026 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.010 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

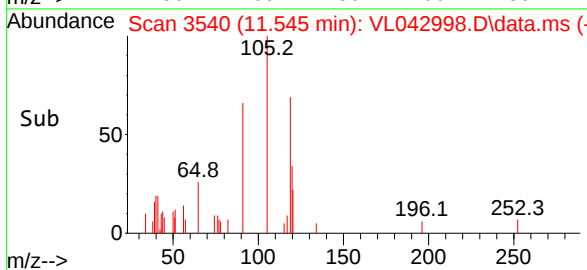
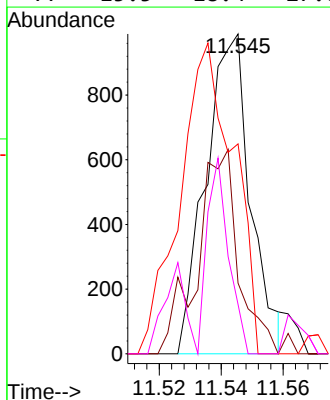
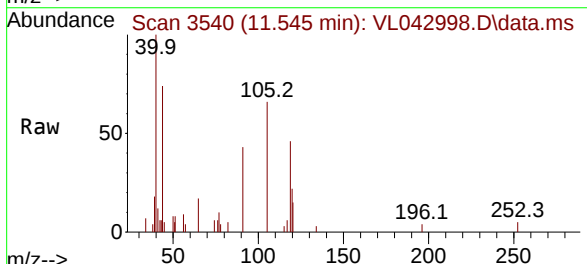
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

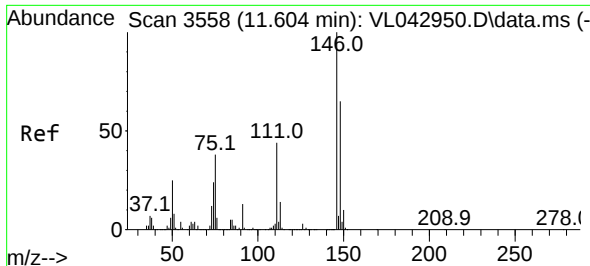
Tgt Ion:105 Resp: 1211
Ion Ratio Lower Upper
105 100
120 26.4 38.0 57.0#



#74
1,2,4-Trimethylbenzene
Concen: 0.019 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion:105 Resp: 989
Ion Ratio Lower Upper
105 100
120 22.1 40.9 61.3#
91 65.6 51.2 76.8
77 15.5 18.4 27.6#

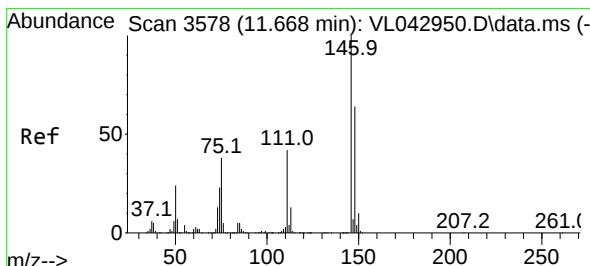
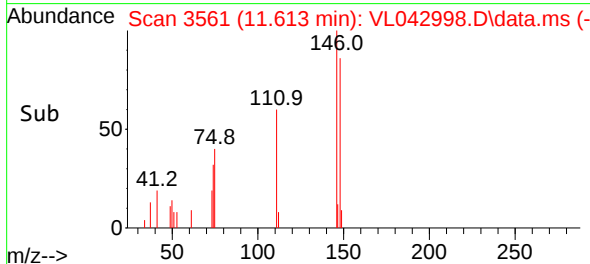
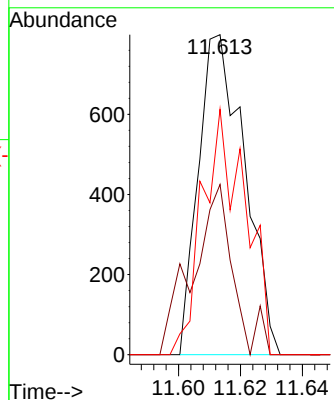
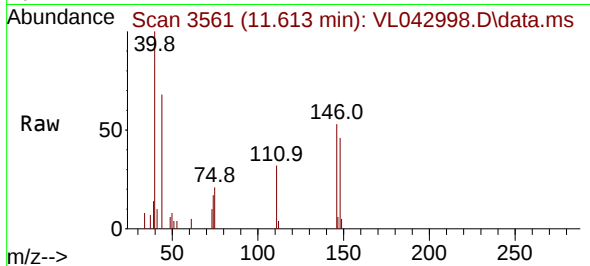




#75
1,3-Dichlorobenzene
Concen: 0.026 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.010 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

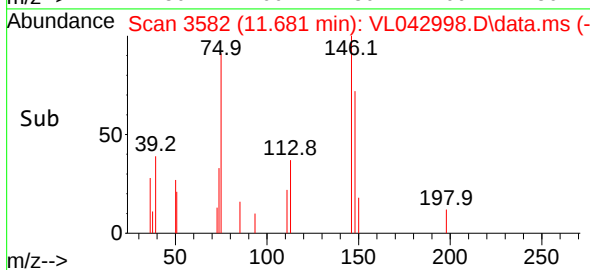
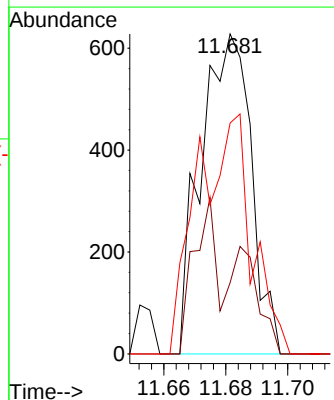
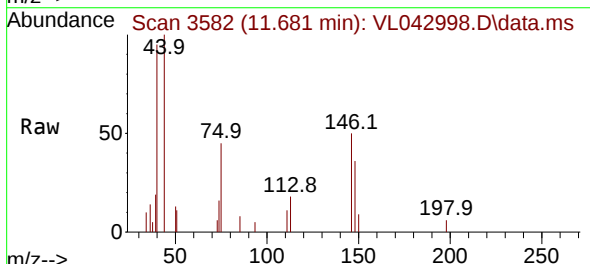
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

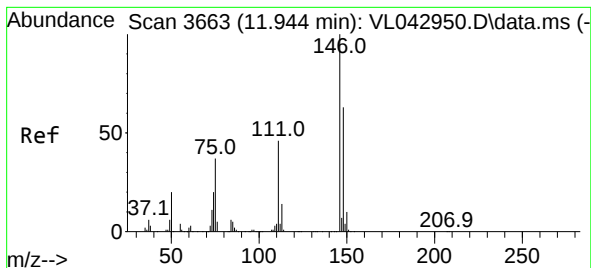
Tgt Ion:	146	Resp:	828
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.3	66.9
148	71.0	31.9	95.5



#76
1,4-Dichlorobenzene
Concen: 0.022 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.013 min
Lab File: VL042998.D
Acq: 23 Sep 2025 18:48

Tgt Ion:	146	Resp:	707
Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.5	64.5
148	81.0	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.024 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.010 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

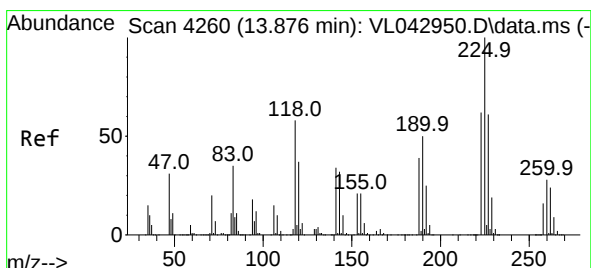
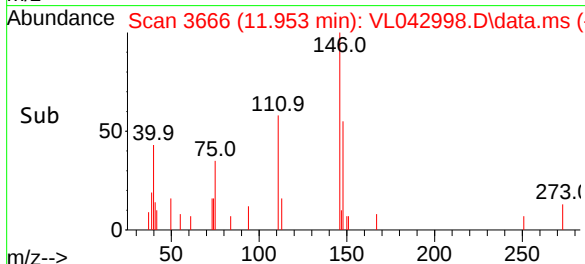
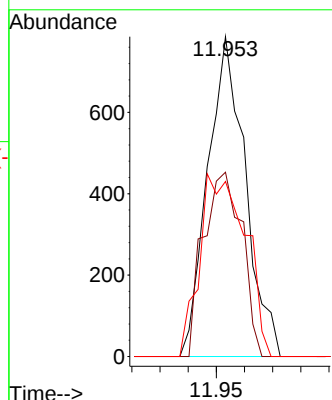
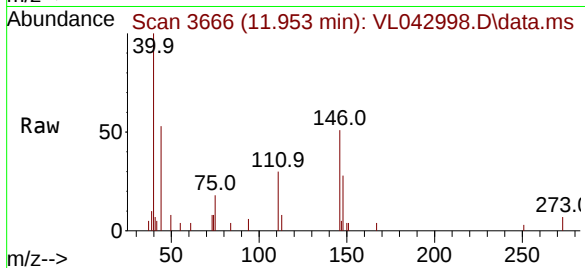
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:146	Resp:	729
Ion Ratio	Lower	Upper
146	100	
111	59.3	23.1 69.3
148	69.3	32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.048 ppbv

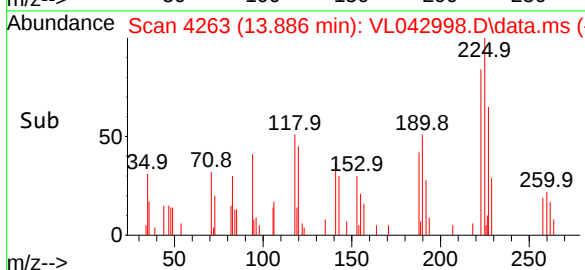
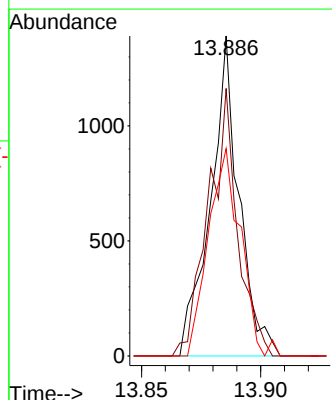
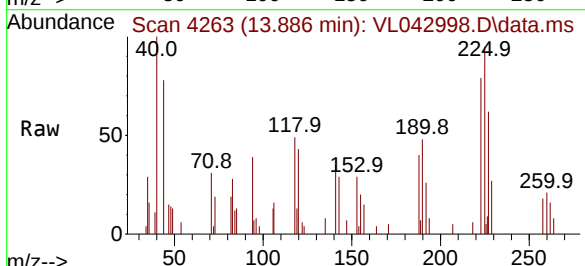
RT: 13.886 min Scan# 4263

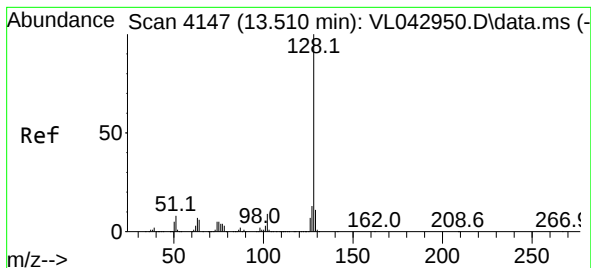
Delta R.T. 0.010 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

Tgt Ion:225	Resp:	1156
Ion Ratio	Lower	Upper
225	100	
223	85.6	50.1 75.1#
227	73.5	50.4 75.6





#79

Naphthalene

Concen: 0.022 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. 0.013 min

Lab File: VL042998.D

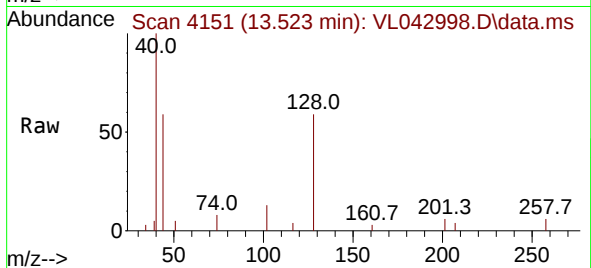
Acq: 23 Sep 2025 18:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



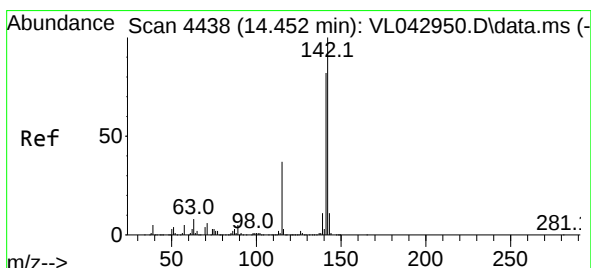
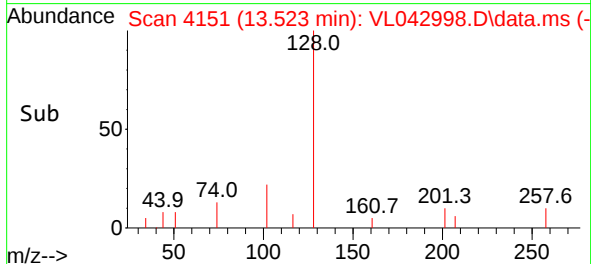
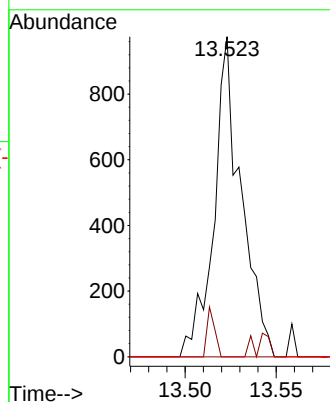
Tgt Ion:128 Resp: 1009

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 9.0 13.6#



#80

Naphthalene,2-methyl-

Concen: 0.037 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.019 min

Lab File: VL042998.D

Acq: 23 Sep 2025 18:48

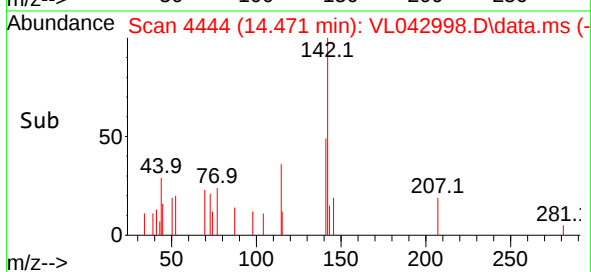
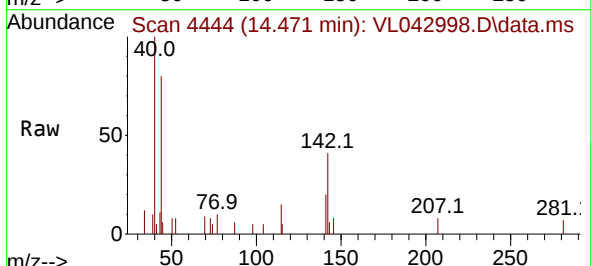
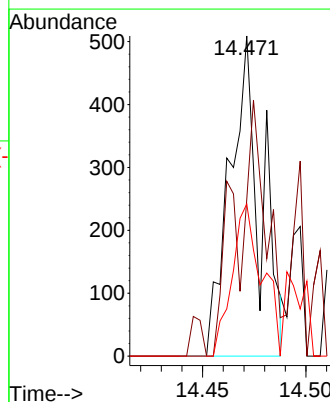
Tgt Ion:142 Resp: 525

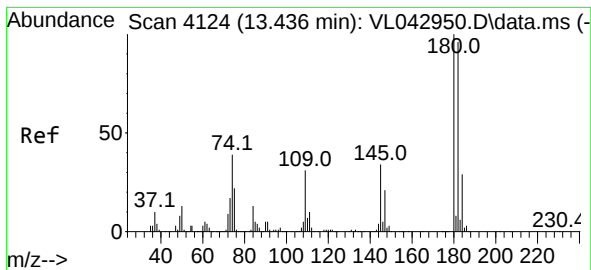
Ion Ratio Lower Upper

142 100

141 83.0 65.1 97.7

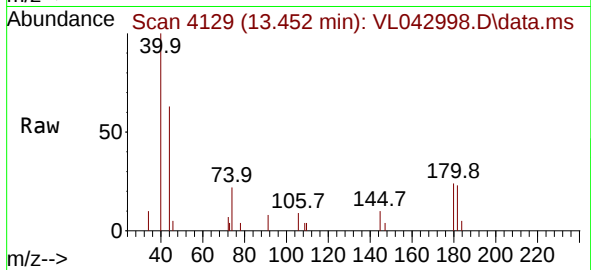
115 46.7 28.9 43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.004 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042998.D
 Acq: 23 Sep 2025 18:48

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



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	75.7	113.5#
184	0.0	23.9	35.9#

