

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042997.D
 Acq On : 23 Sep 2025 18:12
 Operator : SY/MD
 Sample : Q2893-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 24 02:27:45 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	2.787	49	149469	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	400105	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	349479	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	268708	10.300	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2208	0.110	ppbv	95
3) Chlorodifluoromethane	1.476	51	2923	0.117	ppbv	93
4) Chloromethane	1.531	50	1156	0.127	ppbv	91
5) Vinyl Chloride	1.580	62	837	0.102	ppbv #	77
6) Bromomethane	1.667	94	406	0.140	ppbv #	51
7) Chloroethane	1.706	64	341	0.107	ppbv #	83
8) Dichlorotetrafluoroethane	1.554	85	1721	0.100	ppbv	100
9) Propene	1.483	41	1146	0.105	ppbv	91
10) Heptane	4.978	43	1403	0.048	ppbv #	47
11) Trichlorofluoromethane	1.877	101	2152	0.111	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	1426	0.091	ppbv	91
13) Ethanol	1.722	45	352	0.333	ppbv #	1
14) Bromoethene	1.784	108	558	0.094	ppbv #	52
15) Acetone	1.839	43	3103	0.159	ppbv #	89
16) 1,3-Butadiene	1.609	39	1474	0.161	ppbv #	71
17) tert-Butyl alcohol	2.046	59	2133	0.100	ppbv #	48
18) 1,1-Dichloroethene	2.036	96	797	0.110	ppbv #	58
19) Isopropyl Alcohol	1.887	45	1489	0.127	ppbv #	45
20) Methylene Chloride	2.065	84	2655	0.326	ppbv #	79
21) Allyl Chloride	2.098	41	1642	0.121	ppbv #	55
22) trans-1,2-Dichloroethene	2.344	96	951	0.115	ppbv #	70
23) Vinyl Acetate	2.463	43	3188	0.115	ppbv #	60
24) 1,1-Dichloroethane	2.408	63	1737	0.107	ppbv #	95
25) Ethyl Acetate	2.829	43	1863	0.038	ppbv #	75
26) Hexane	2.826	57	1899	0.085	ppbv #	65
27) Carbon Disulfide	2.149	76	1677	0.083	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	1152	0.099	ppbv #	75
29) Chloroform	2.848	83	3657	0.125	ppbv	84
30) Cyclohexane	3.855	84	493	0.026	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	2098	0.100	ppbv #	74
32) 1,1,1-Trichloroethane	3.370	97	2770	0.087	ppbv #	87
34) 2-Butanone	2.564	43	3548	0.127	ppbv	92
35) Carbon Tetrachloride	3.768	117	1485	0.057	ppbv	88
36) Benzene	3.661	78	4167	0.111	ppbv #	89
37) 1,2-Dichloroethane	3.221	62	2829	0.143	ppbv	98
38) Trichloroethene	4.567	130	267	0.014	ppbv	90
39) 1,2-Dichloropropane	3.959	63	104488	7.618	ppbv #	24
40) 1,4-Dioxane	4.619	88	195	0.031	ppbv #	38
41) Tetrahydrofuran	3.069	42	1351	0.084	ppbv #	91
42) Bromodichloromethane	4.499	83	2243	0.082	ppbv #	94
43) Methyl Methacrylate	4.888	69	704	0.046	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	1796	0.028	ppbv #	1
45) t-1,3-Dichloropropene	6.428	75	240	0.015	ppbv	96

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 Misc : 400mL/MSVOA_L
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Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

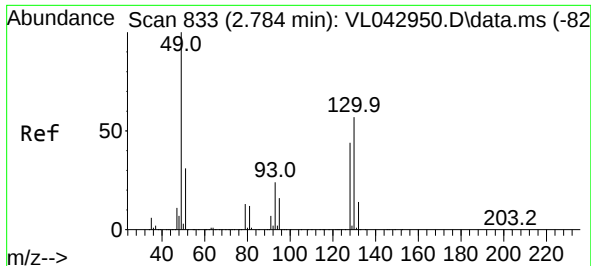
Quant Time: Sep 24 02:27:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.600	75	502	0.024	ppbv	#	35
47) 1,1,2-Trichloroethane	6.580	97	306	0.021	ppbv	#	36
48) Dibromochloromethane	7.396	129	2127	0.092	ppbv		80
49) Bromoform	9.497	173	527	0.026	ppbv	#	1
50) 4-Methyl-2-Pentanone	5.774	43	1485	0.040	ppbv	#	39
51) 2-Hexanone	7.445	43	382	0.013	ppbv	#	28
52) Tetrachloroethene	8.247	164	83	0.006	ppbv	#	73
53) Toluene	6.943	91	1369	0.031	ppbv	#	21
54) 1,2-Dibromoethane	7.665	107	731	0.036	ppbv	#	53
56) 1,1,1,2-Tetrachloroethane	8.933	131	1885	0.113	ppbv	#	50
57) Chlorobenzene	8.930	112	4193	0.131	ppbv	#	93
58) Ethyl Benzene	9.535	91	2562	0.045	ppbv		92
59) m/p-Xylene	9.535	91	2562	0.057	ppbv	#	100
60) o-Xylene	9.976	91	1864	0.041	ppbv	#	31
61) Styrene	9.878	104	851	0.040	ppbv	#	45
62) Isopropylbenzene	10.545	105	2720	0.040	ppbv	#	51
63) 1,1,2,2-Tetrachloroethane	9.969	83	2709	0.114	ppbv		96
64) n-propylbenzene	10.995	120	553	0.031	ppbv	#	1
65) tert-Butylbenzene	11.532	119	3876	0.065	ppbv	#	90
66) Benzyl Chloride	11.620	91	84	0.013	ppbv	#	65
67) sec-Butylbenzene	11.772	105	5115	0.061	ppbv		98
69) p-Isopropyltoluene	11.930	119	3822	0.054	ppbv	#	88
70) n-Butylbenzene	12.287	91	3728	0.054	ppbv		96
71) 2-Chlorotoluene	10.904	91	3924	0.077	ppbv		99
72) 4-Ethyltoluene	11.131	105	3387	0.060	ppbv		95
73) 1,3,5-Trimethylbenzene	11.205	105	2890	0.063	ppbv	#	83
74) 1,2,4-Trimethylbenzene	11.539	105	3061	0.060	ppbv	#	79
75) 1,3-Dichlorobenzene	11.610	146	2347	0.075	ppbv		98
76) 1,4-Dichlorobenzene	11.678	146	1118	0.036	ppbv	#	31
77) 1,2-Dichlorobenzene	11.950	146	2403	0.080	ppbv		93
78) Hexachloro-1,3-Butadiene	13.885	225	1454	0.062	ppbv	#	32
79) Naphthalene	13.516	128	1883	0.042	ppbv	#	93
80) Naphthalene,2-methyl-	14.468	142	934	0.067	ppbv		89
81) 1,2,4-Trichlorobenzene	13.448	180	926	0.039	ppbv		95

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

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-OT3-2025

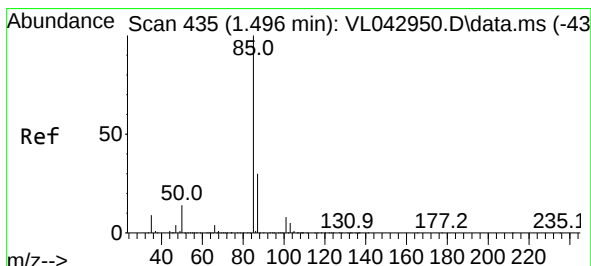
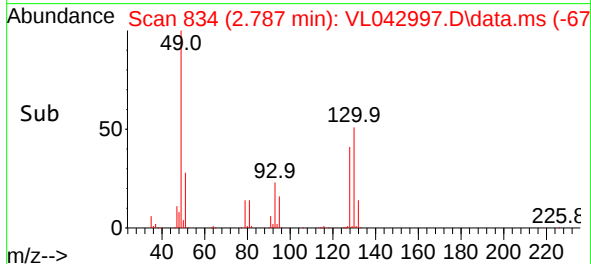
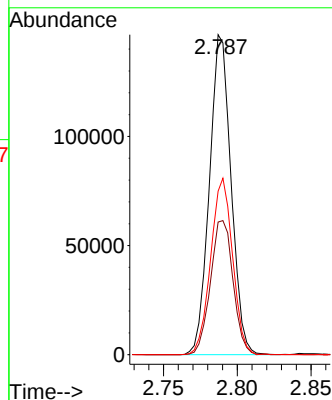
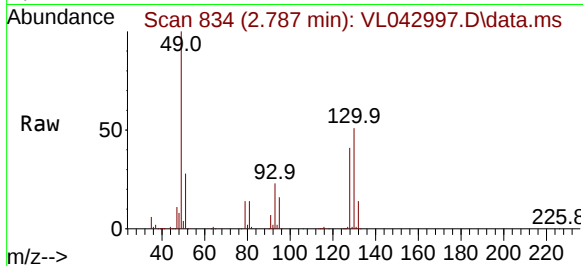
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#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

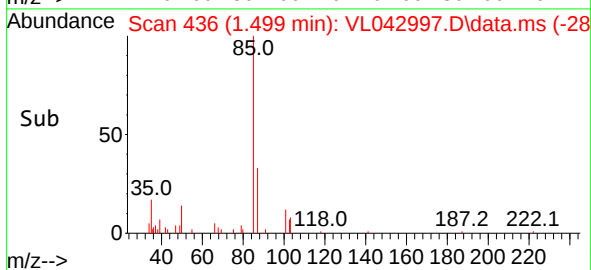
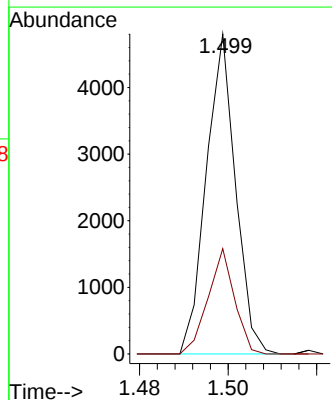
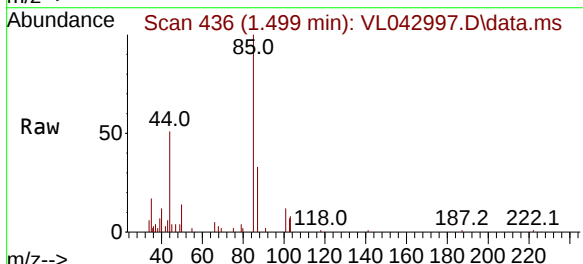
Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

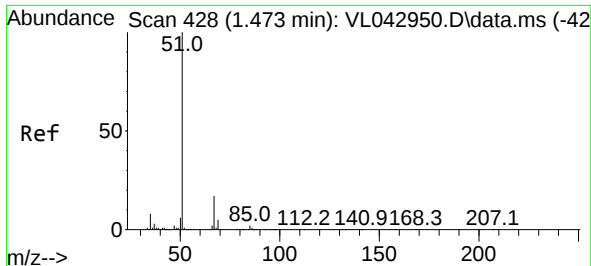
Tgt Ion: 49 Resp: 149469
 Ion Ratio Lower Upper
 49 100
 128 43.9 22.9 68.8
 130 55.9 29.1 87.3



#2
 Dichlorodifluoromethane
 Concen: 0.110 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion: 85 Resp: 2208
 Ion Ratio Lower Upper
 85 100
 87 32.9 24.3 36.5

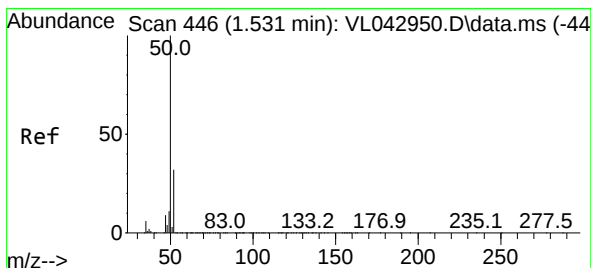
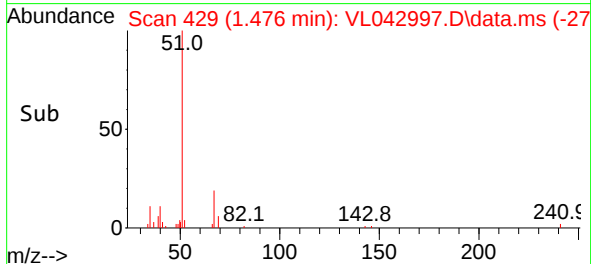
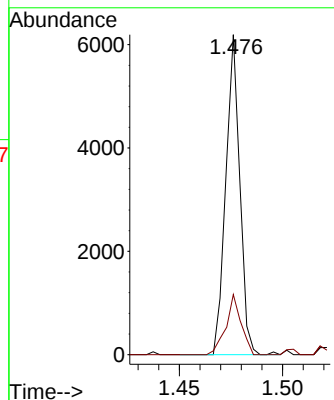
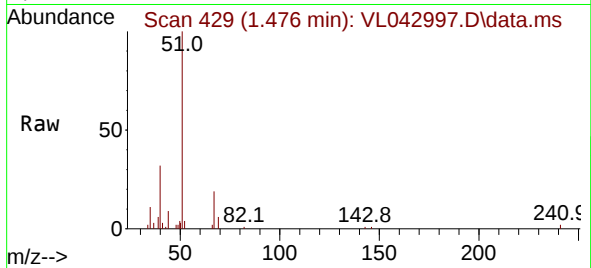




#3
Chlorodifluoromethane
Concen: 0.117 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

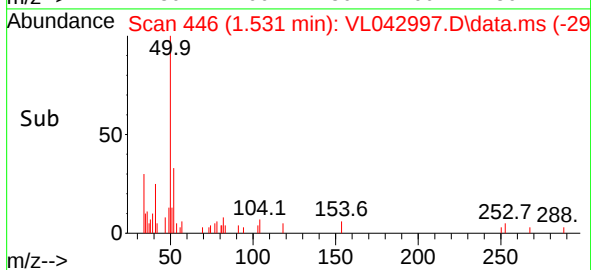
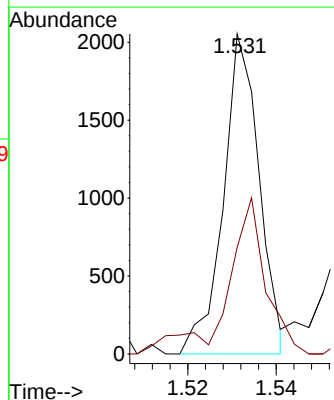
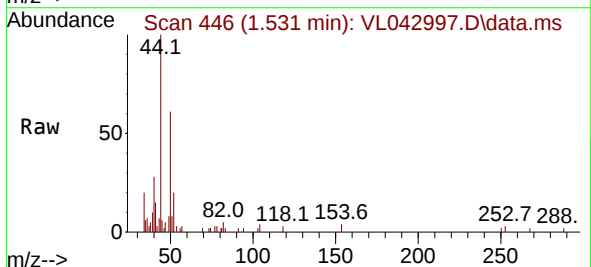
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

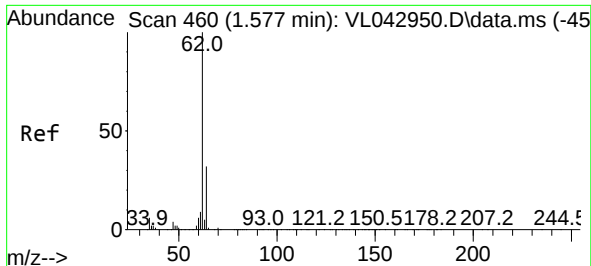
Tgt Ion: 51 Resp: 2923
Ion Ratio Lower Upper
51 100
67 20.3 13.8 20.8



#4
Chloromethane
Concen: 0.127 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 50 Resp: 1156
Ion Ratio Lower Upper
50 100
52 27.4 25.9 38.9

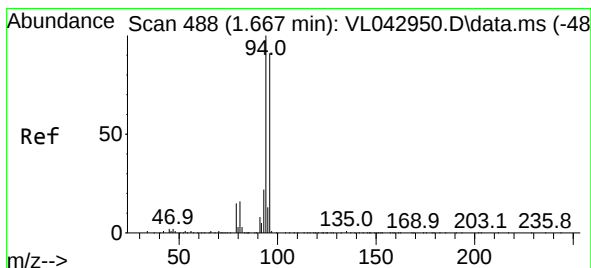
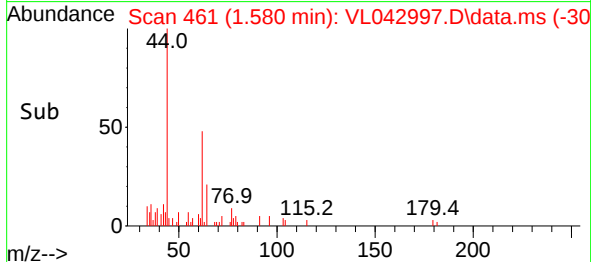
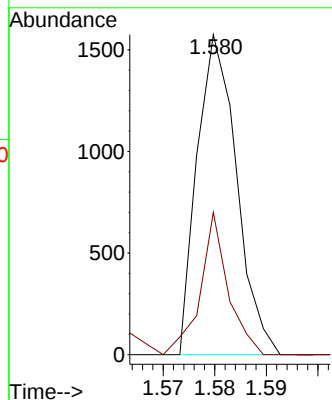
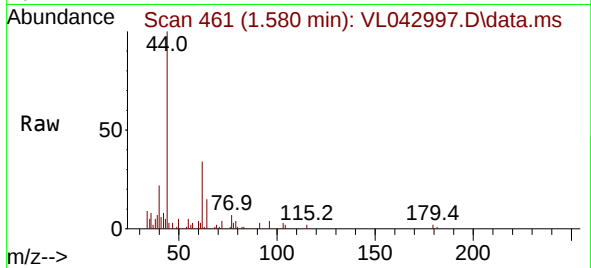




#5
 Vinyl Chloride
 Concen: 0.102 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

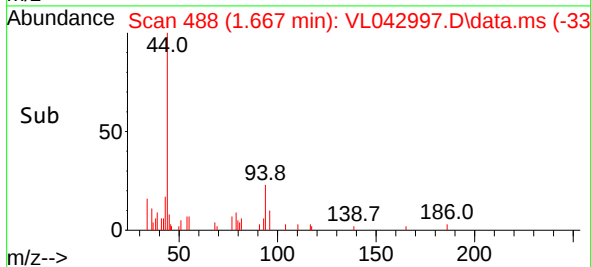
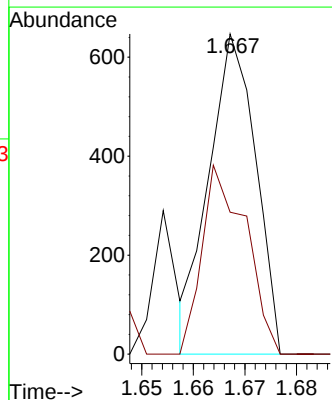
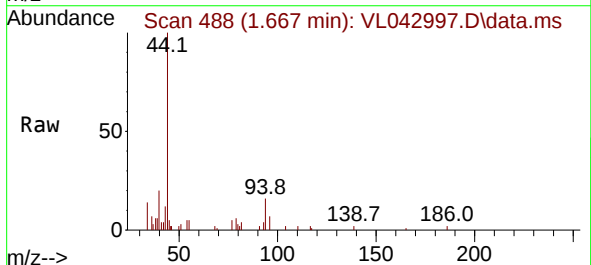
Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

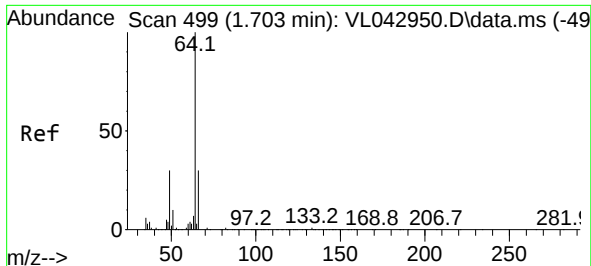
Tgt Ion: 62 Resp: 837
 Ion Ratio Lower Upper
 62 100
 64 44.5 25.4 38.2#



#6
 Bromomethane
 Concen: 0.140 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion: 94 Resp: 406
 Ion Ratio Lower Upper
 94 100
 96 44.4 72.6 108.8#

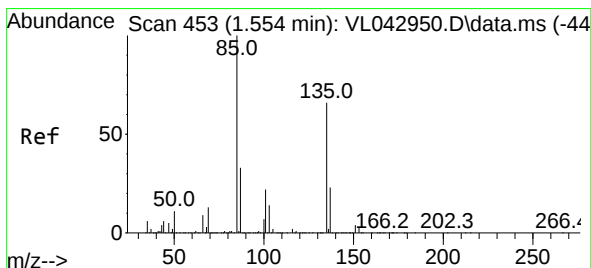
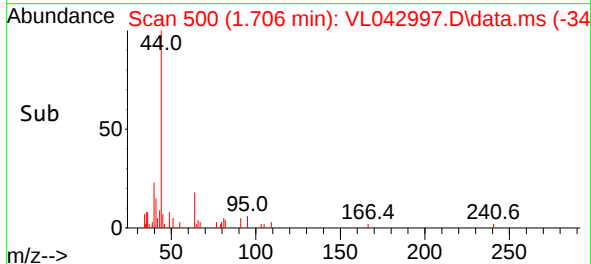
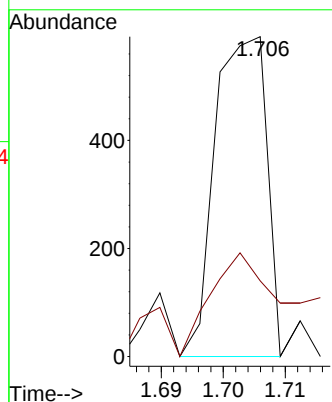
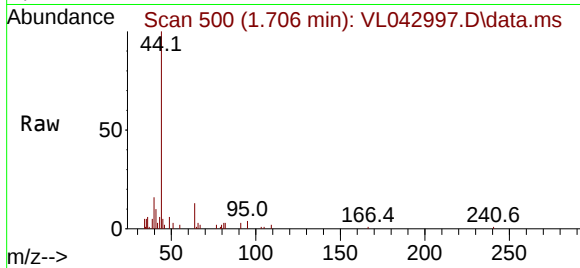




#7
Chloroethane
Concen: 0.107 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

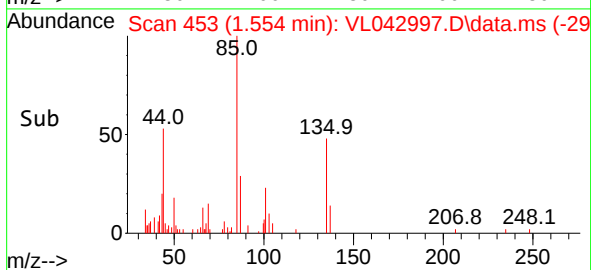
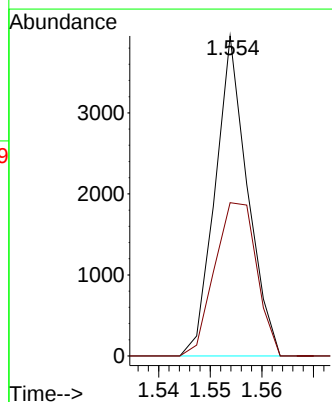
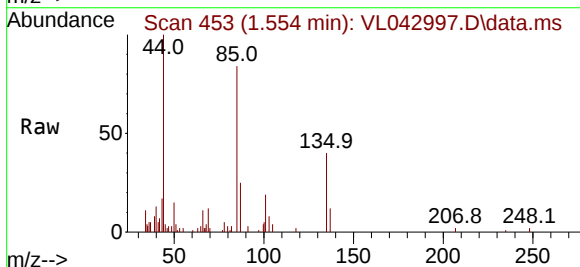
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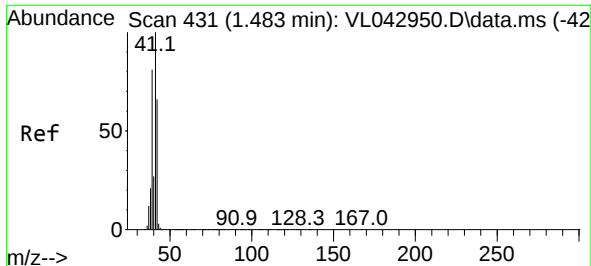
Tgt Ion: 64 Resp: 341
Ion Ratio Lower Upper
64 100
66 21.3 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.100 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 85 Resp: 1721
Ion Ratio Lower Upper
85 100
135 62.2 49.7 74.5

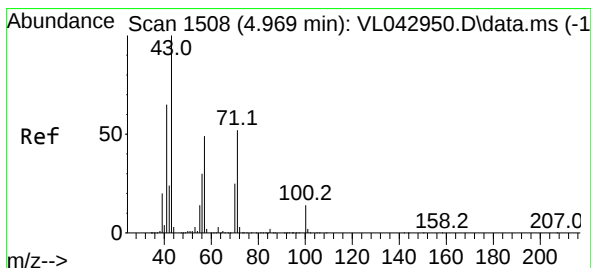
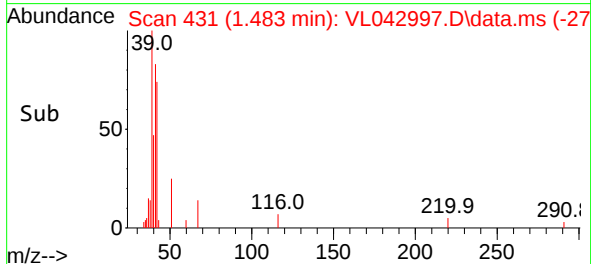
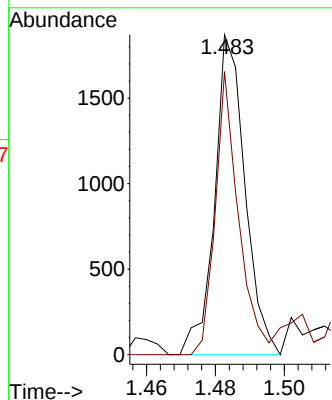
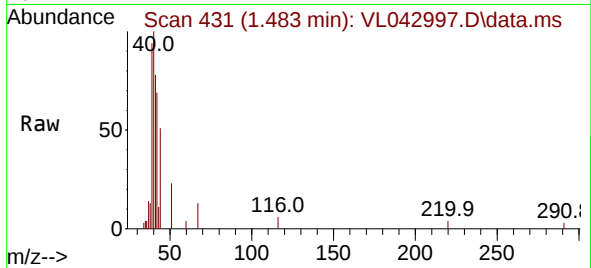




#9
Propene
Concen: 0.105 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

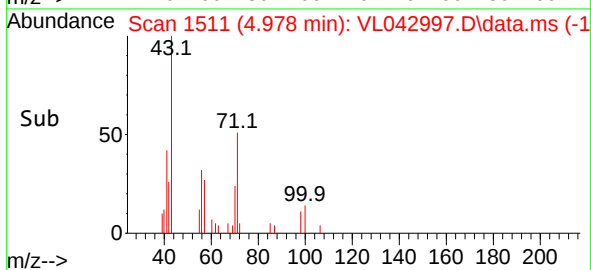
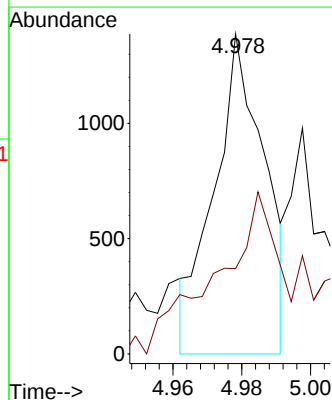
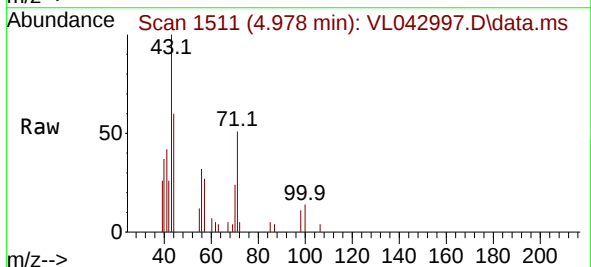
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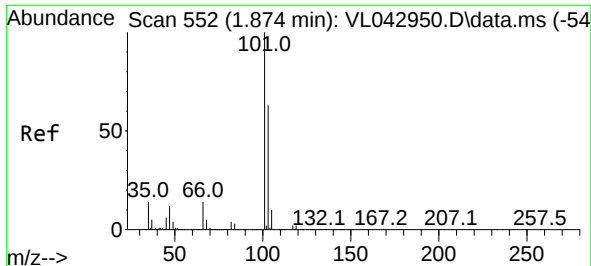
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Ion Ratio Lower Upper
41 100
42 78.9 57.4 86.2



#10
Heptane
Concen: 0.048 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
57 84.1 38.6 57.8#

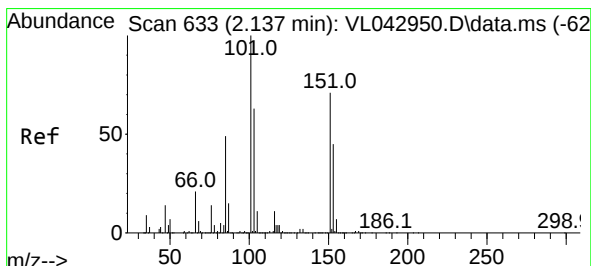
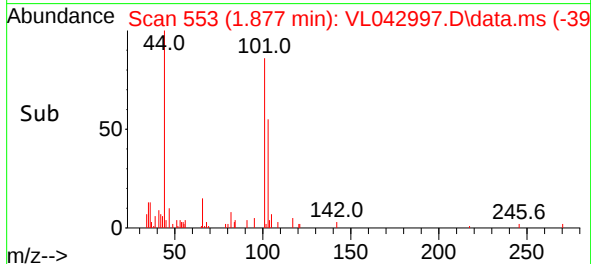
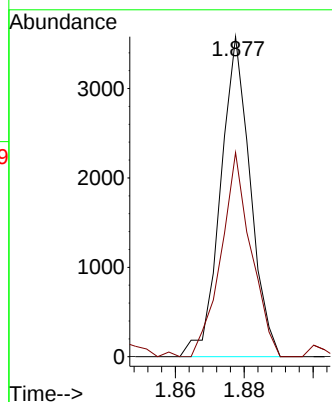
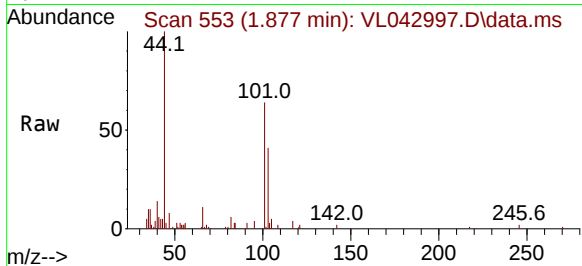




#11
 Trichlorofluoromethane
 Concen: 0.111 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

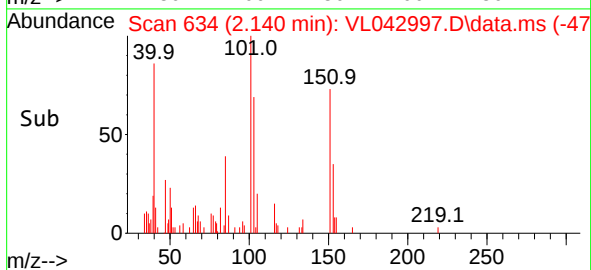
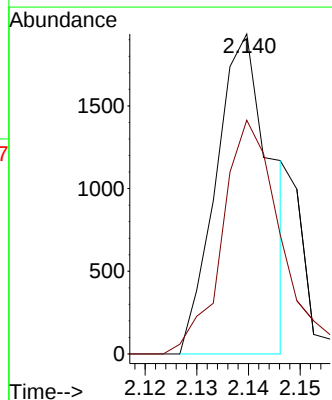
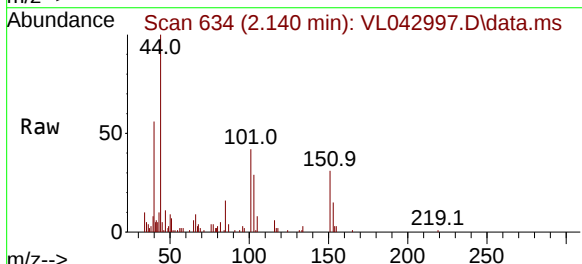
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

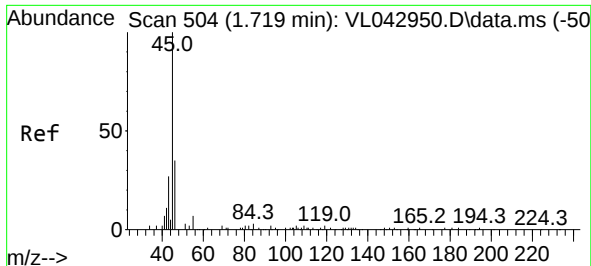
Tgt Ion:101 Resp: 2152
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.091 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion:101 Resp: 1426
 Ion Ratio Lower Upper
 101 100
 151 77.3 55.7 83.5

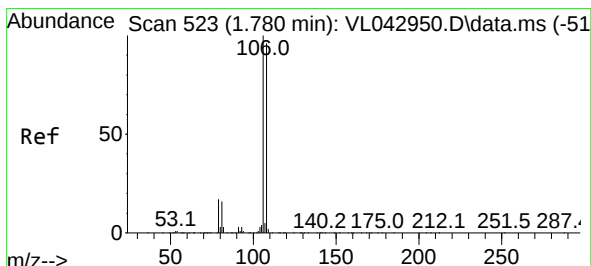
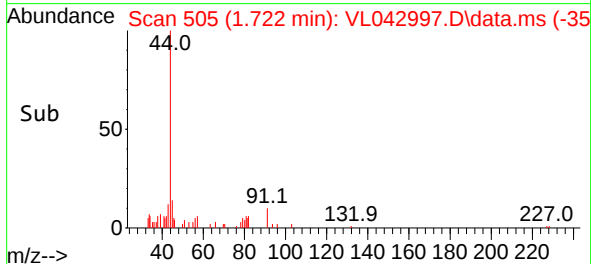
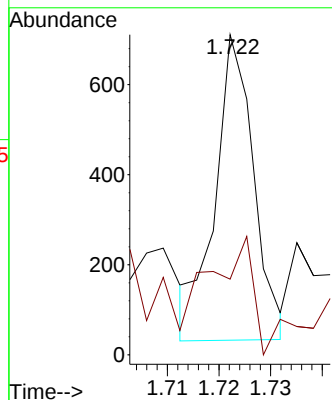
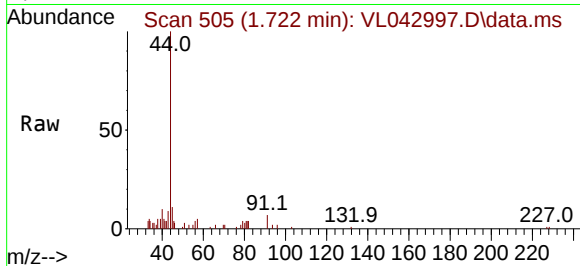




#13
Ethanol
Concen: 0.333 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

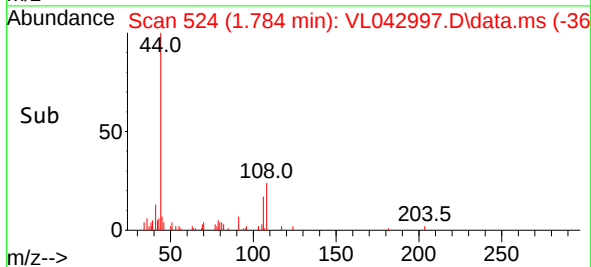
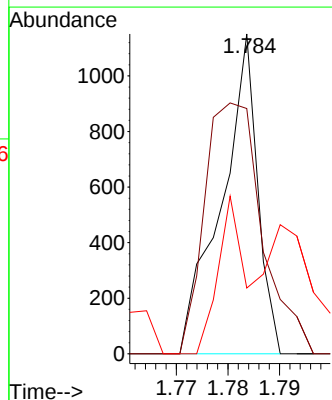
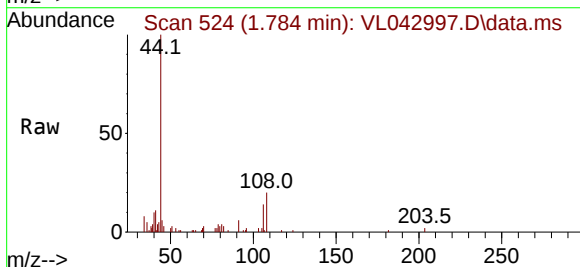
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

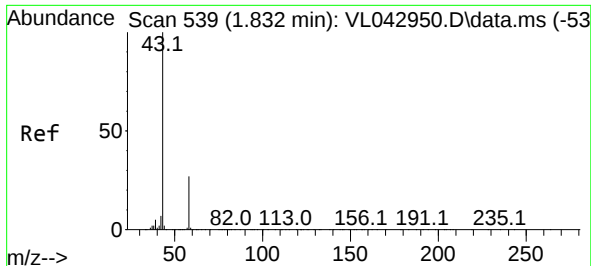
Tgt Ion: 45 Resp: 352
Ion Ratio Lower Upper
45 100
46 103.4 16.2 64.6#



#14
Bromoethene
Concen: 0.094 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 108 Resp: 558
Ion Ratio Lower Upper
108 100
106 125.6 86.0 129.0
79 119.4 14.2 21.2#





#15

Acetone

Concen: 0.159 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

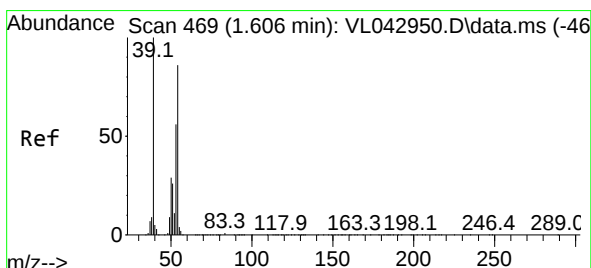
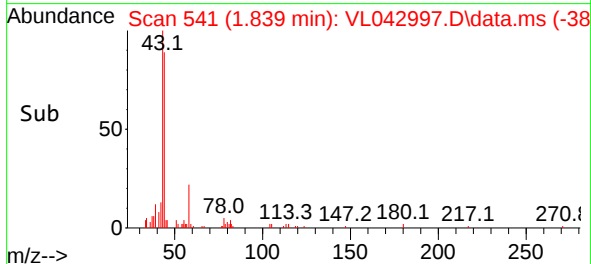
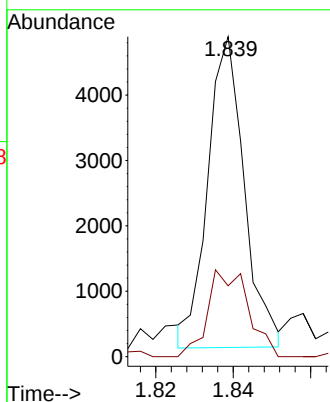
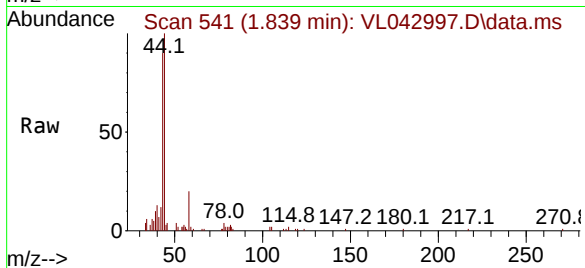
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 43 Resp: 3103

Ion Ratio Lower Upper

43 100

58 33.7 22.3 33.5#



#16

1,3-Butadiene

Concen: 0.161 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042997.D

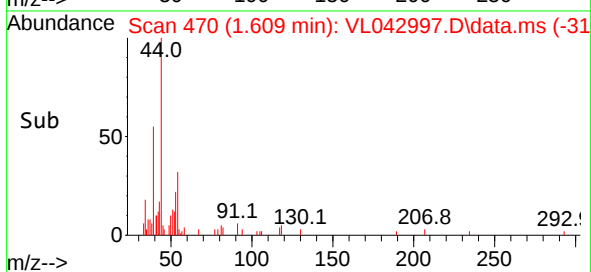
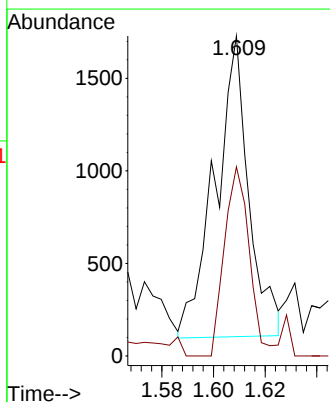
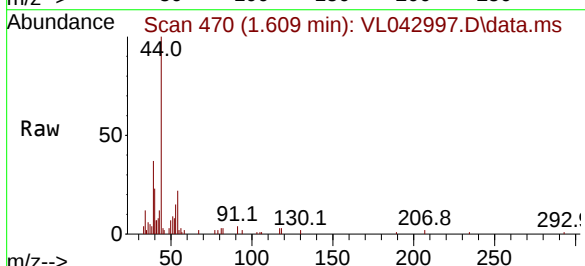
Acq: 23 Sep 2025 18:12

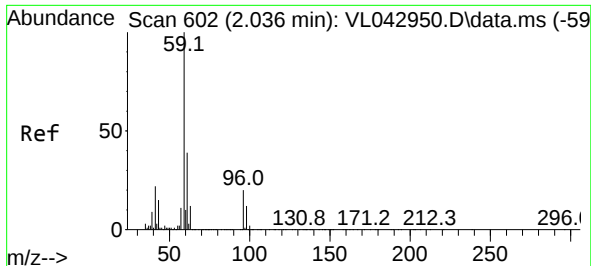
Tgt Ion: 39 Resp: 1474

Ion Ratio Lower Upper

39 100

54 51.2 60.8 91.2#

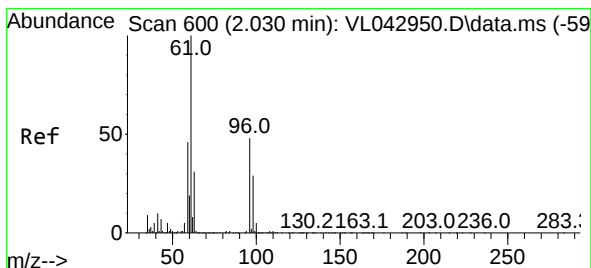
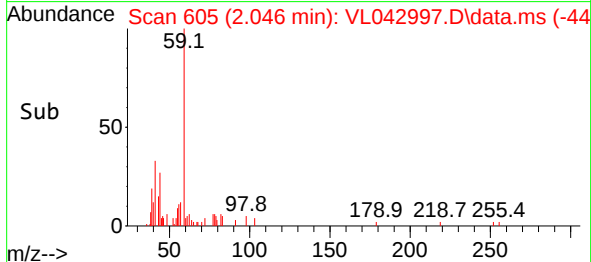
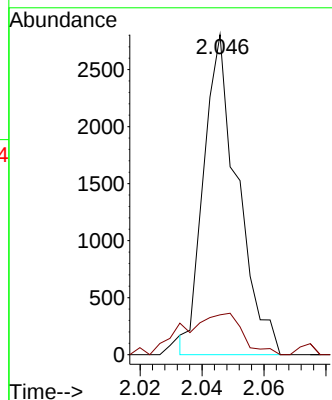
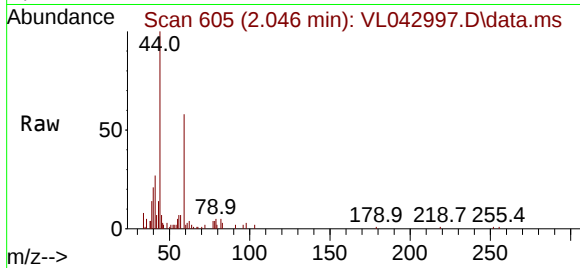




#17
 tert-Butyl alcohol
 Concen: 0.100 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. 0.010 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

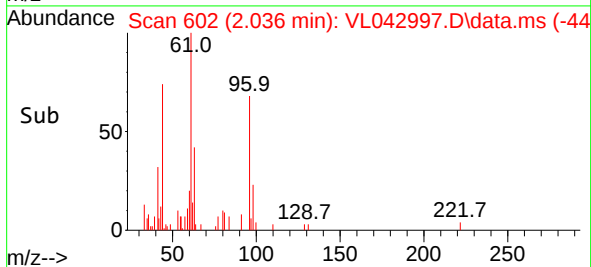
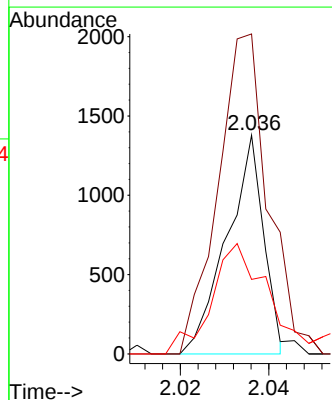
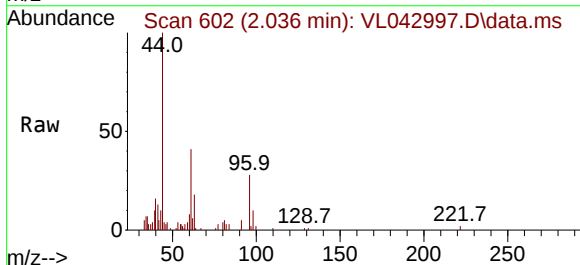
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

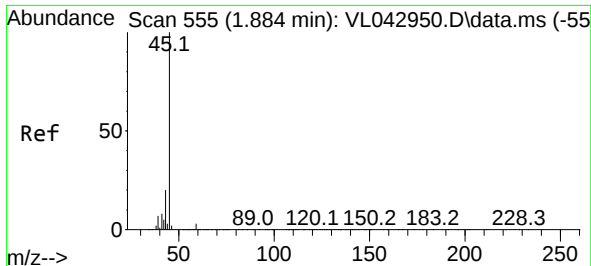
Tgt Ion: 59 Resp: 2133
 Ion Ratio Lower Upper
 59 100
 57 30.3 8.6 12.8#



#18
 1,1-Dichloroethene
 Concen: 0.110 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion: 96 Resp: 797
 Ion Ratio Lower Upper
 96 100
 61 146.4 166.2 249.4#
 98 23.9 48.6 73.0#

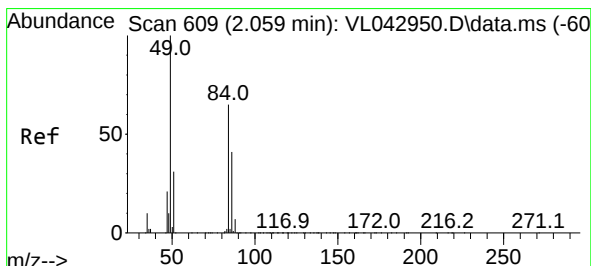
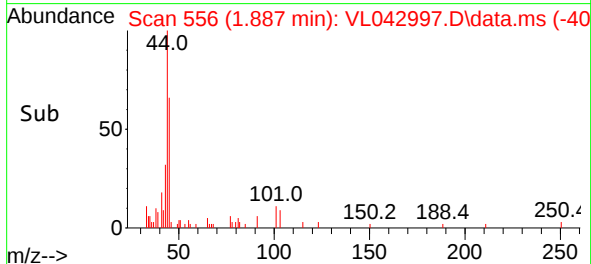
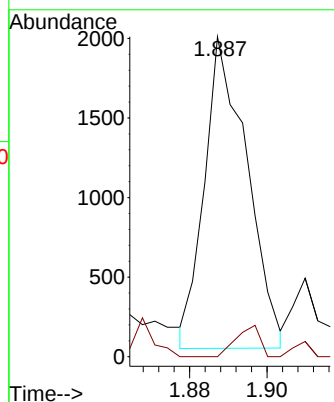
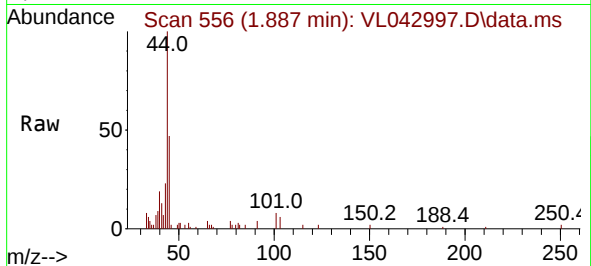




#19
Isopropyl Alcohol
Concen: 0.127 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

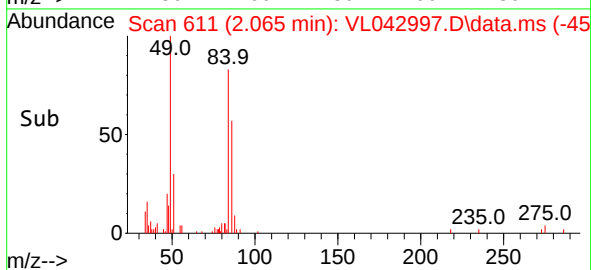
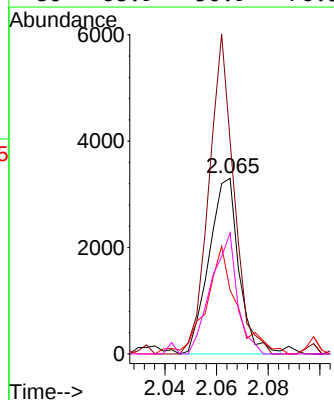
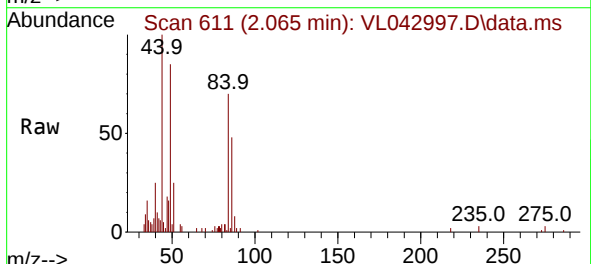
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

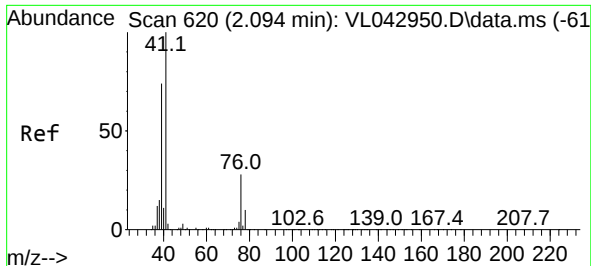
Tgt Ion: 45 Resp: 1489
Ion Ratio Lower Upper
45 100
58 5.6 31.0 46.6#



#20
Methylene Chloride
Concen: 0.326 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 84 Resp: 2655
Ion Ratio Lower Upper
84 100
49 121.1 124.1 186.1#
51 33.9 39.8 59.8#
86 68.9 50.9 76.3

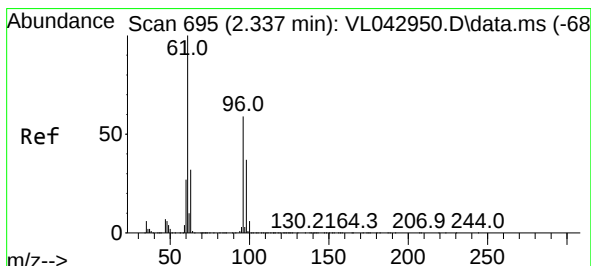
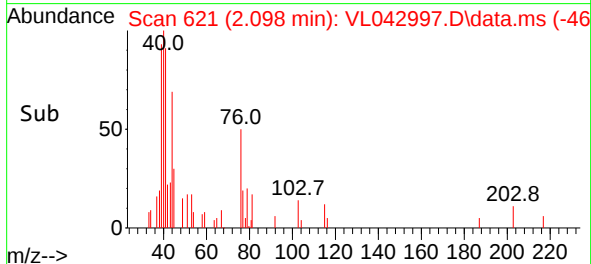
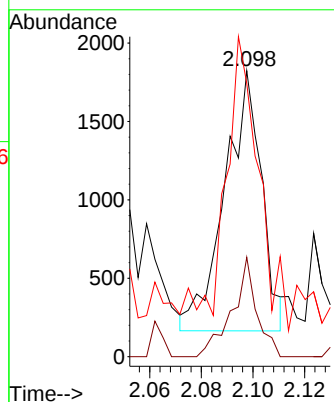
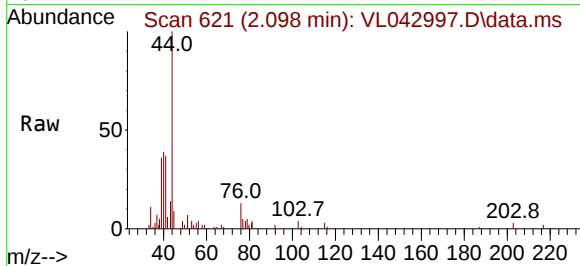




#21
 Allyl Chloride
 Concen: 0.121 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

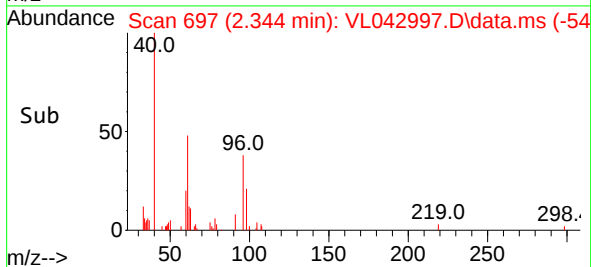
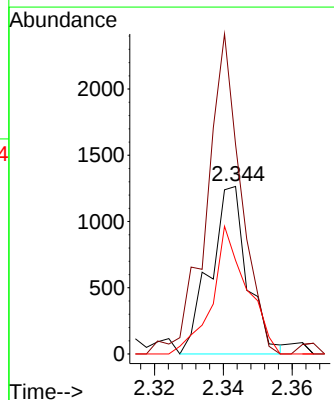
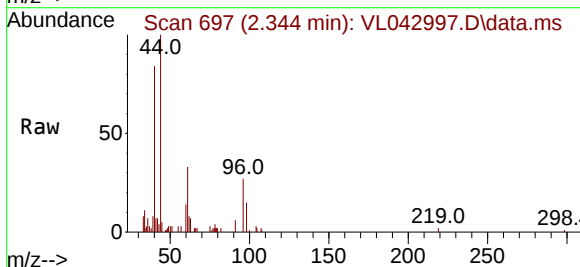
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

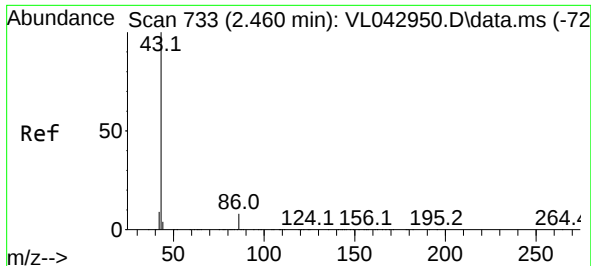
Tgt Ion: 41 Resp: 1642
 Ion Ratio Lower Upper
 41 100
 76 25.5 22.3 33.5
 39 127.8 61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.115 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion: 96 Resp: 951
 Ion Ratio Lower Upper
 96 100
 61 119.9 136.5 204.7#
 98 55.9 50.6 76.0

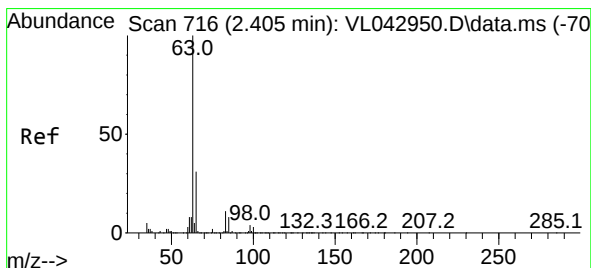
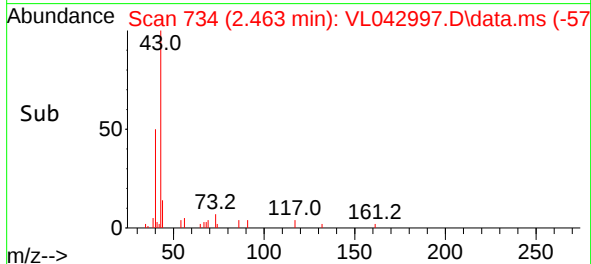
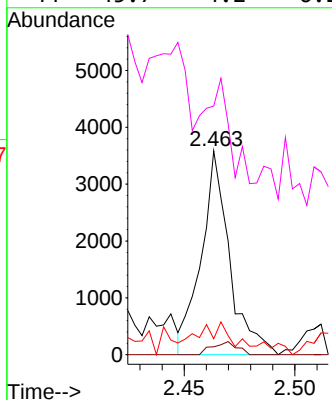
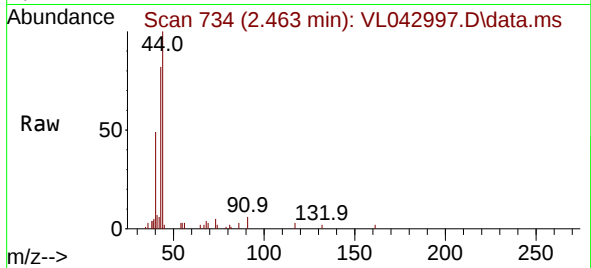




#23
 Vinyl Acetate
 Concen: 0.115 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

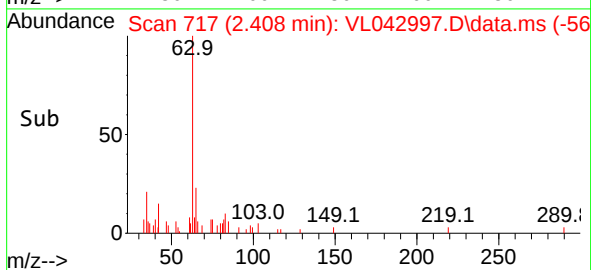
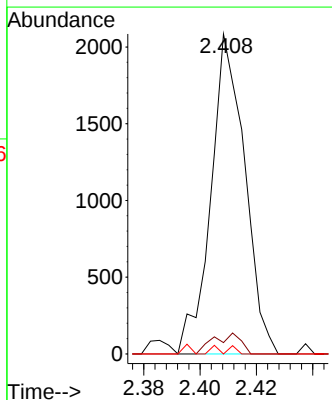
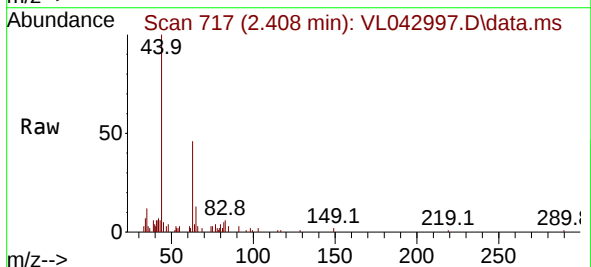
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

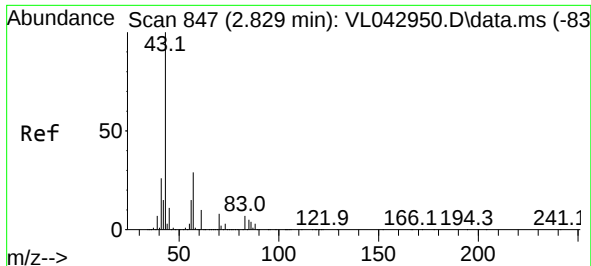
Tgt Ion:	43	Resp:	3188
Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.2	9.2#
42	2.3	7.4	11.0#
44	45.7	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.107 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion:	63	Resp:	1737
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.2	6.6
100	0.0	1.4	4.0#

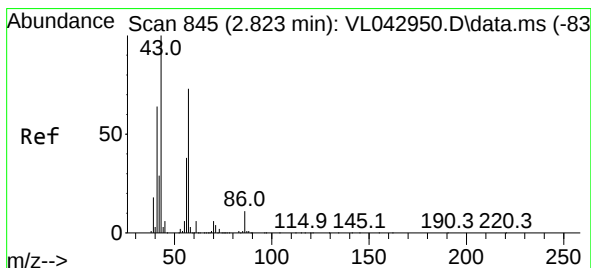
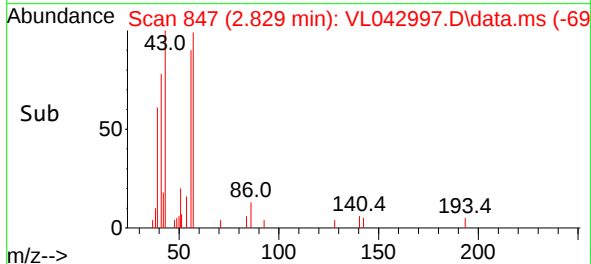
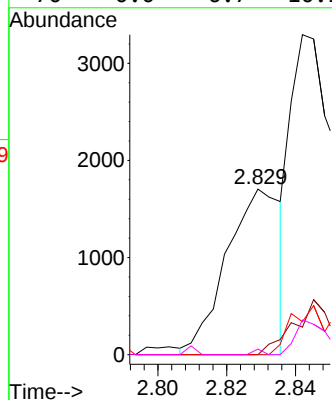
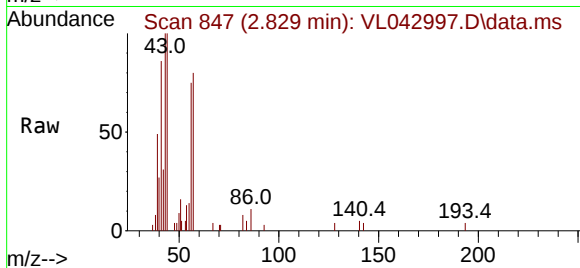




#25
Ethyl Acetate
Concen: 0.038 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

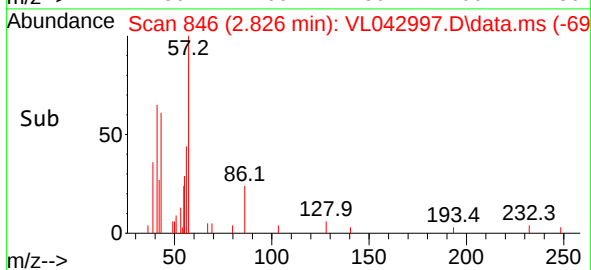
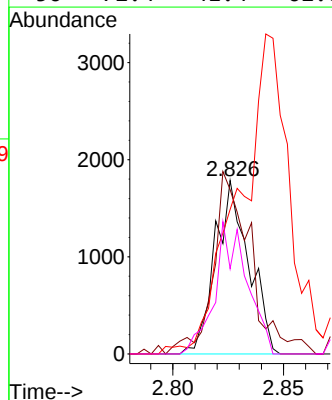
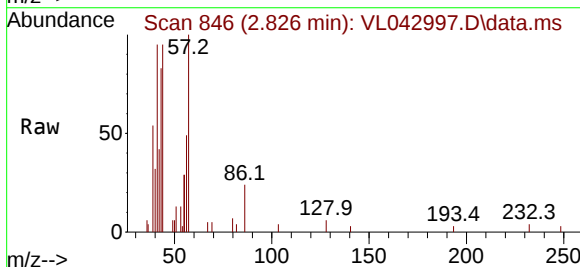
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

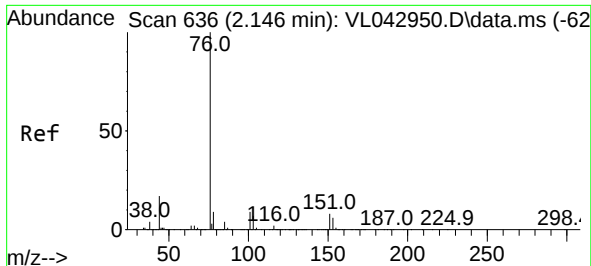
Tgt Ion:	43	Resp:	1863
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.7	11.5#
61	0.0	7.1	10.7#
70	0.0	6.7	10.1#



#26
Hexane
Concen: 0.085 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion:	57	Resp:	1899
Ion	Ratio	Lower	Upper
57	100		
41	117.1	71.7	107.5#
43	287.7	180.8	271.2#
56	72.4	41.4	62.0#

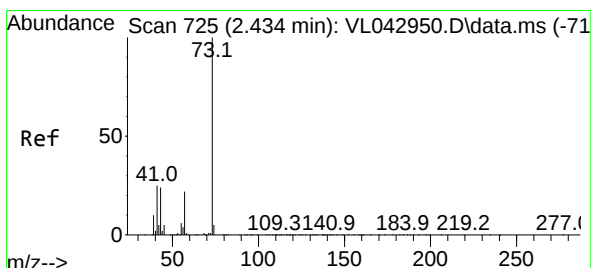
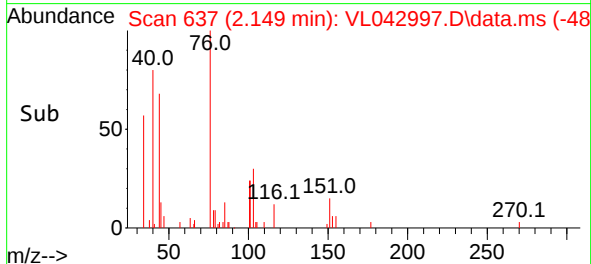
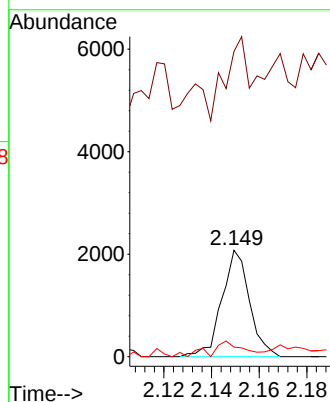
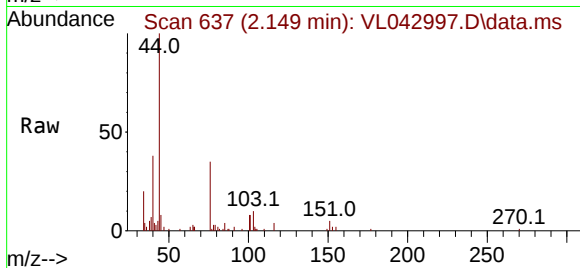




#27
Carbon Disulfide
Concen: 0.083 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

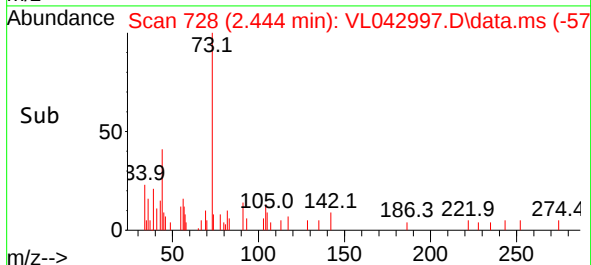
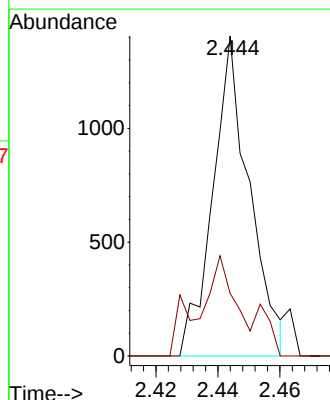
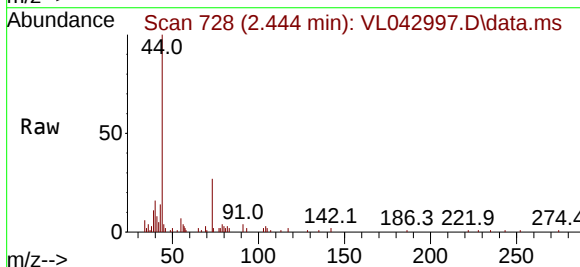
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

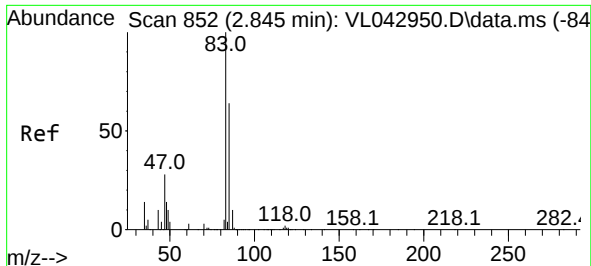
Tgt Ion: 76 Resp: 1677
Ion Ratio Lower Upper
76 100
44 567.4 15.6 23.4#
78 36.6 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.099 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 73 Resp: 1152
Ion Ratio Lower Upper
73 100
57 38.3 20.6 31.0#





#29

Chloroform

Concen: 0.125 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

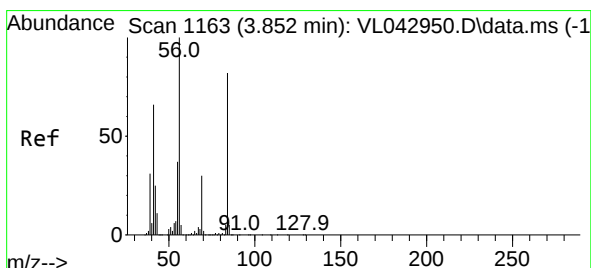
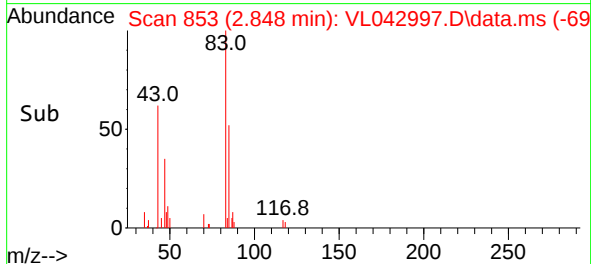
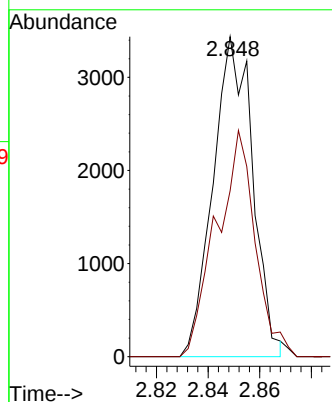
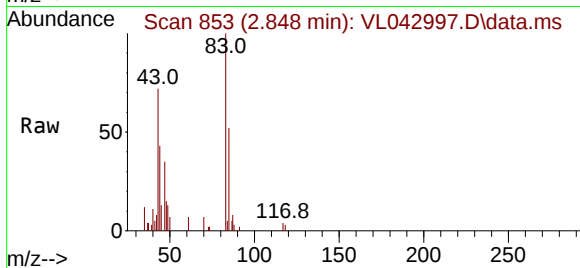
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 83 Resp: 3657

Ion Ratio Lower Upper

83 100

85 51.8 51.2 76.8



#30

Cyclohexane

Concen: 0.026 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

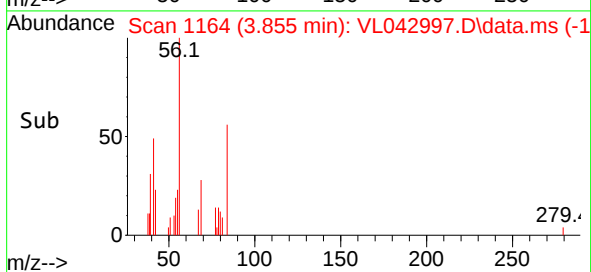
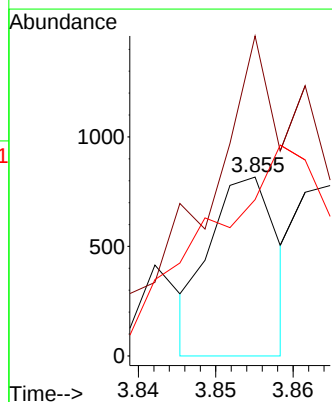
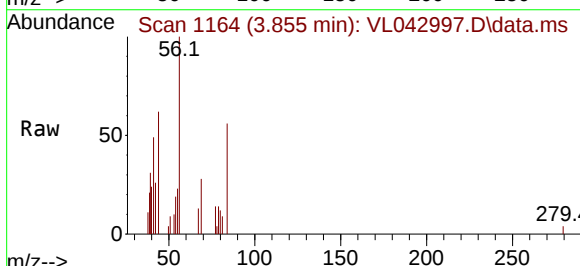
Tgt Ion: 84 Resp: 493

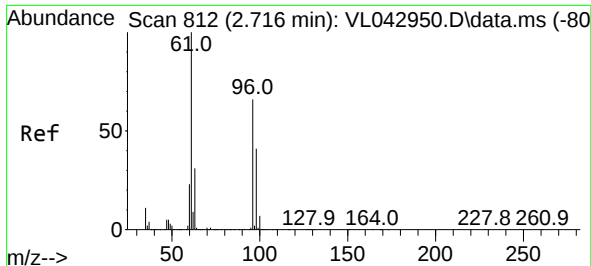
Ion Ratio Lower Upper

84 100

56 390.5 102.2 153.4#

41 317.0 65.6 98.4#

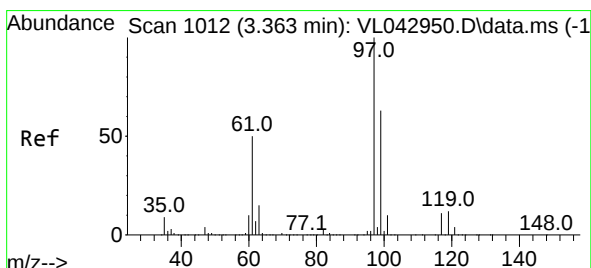
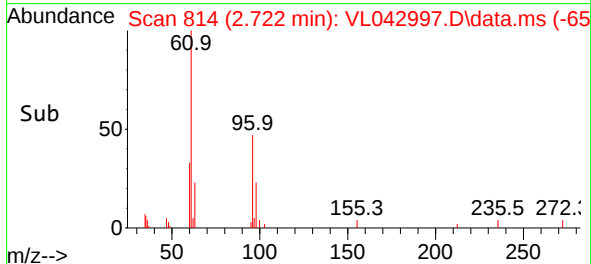
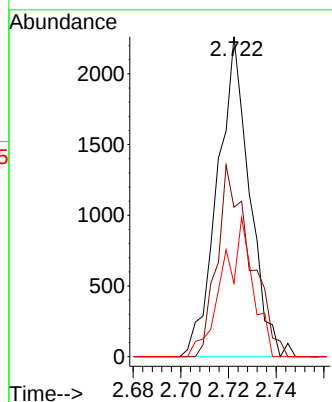
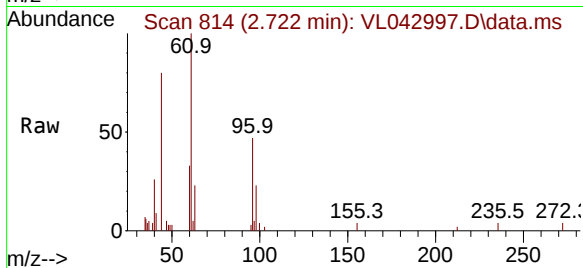




#31
 cis-1,2-Dichloroethene
 Concen: 0.100 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

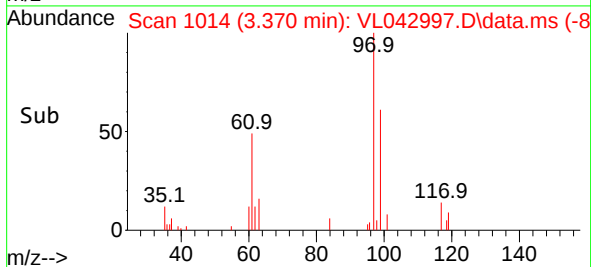
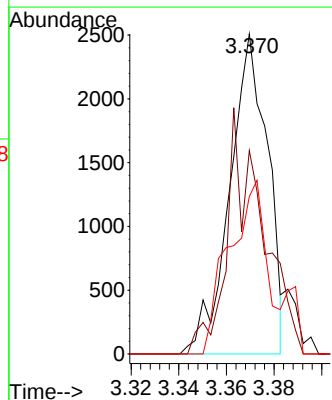
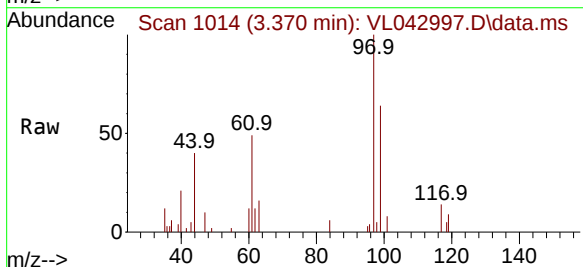
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

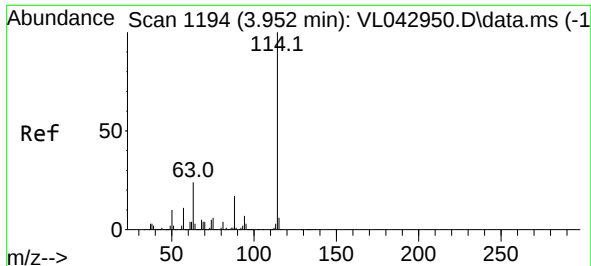
Tgt Ion: 61 Resp: 2098
 Ion Ratio Lower Upper
 61 100
 96 46.7 53.0 79.6#
 98 22.9 32.9 49.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.087 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion: 97 Resp: 2770
 Ion Ratio Lower Upper
 97 100
 99 72.0 51.1 76.7
 61 61.6 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: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

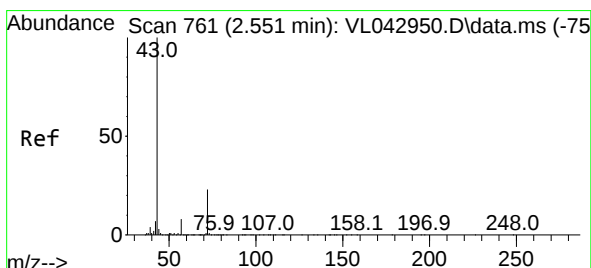
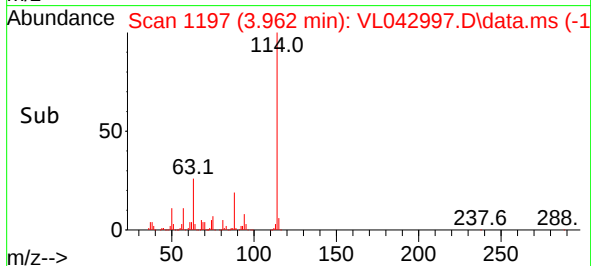
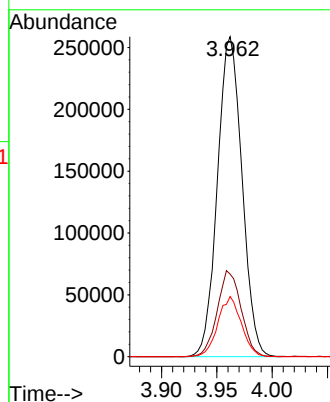
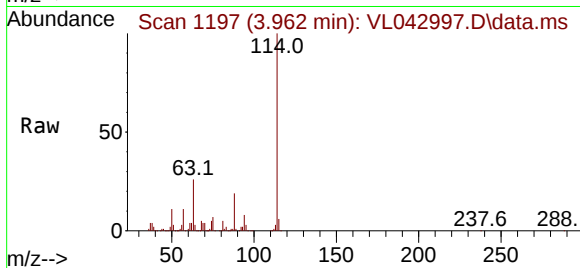
Tgt Ion:114 Resp: 400105

Ion Ratio Lower Upper

114 100

63 26.1 19.4 29.2

88 17.9 14.2 21.2



#34

2-Butanone

Concen: 0.127 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.013 min

Lab File: VL042997.D

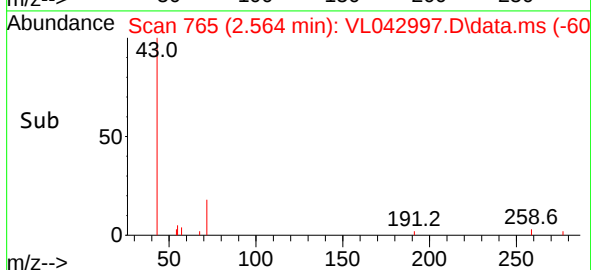
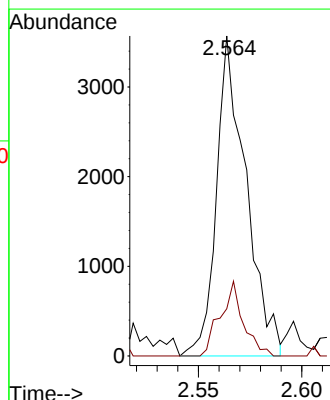
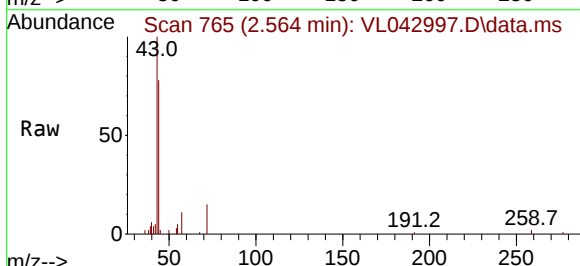
Acq: 23 Sep 2025 18:12

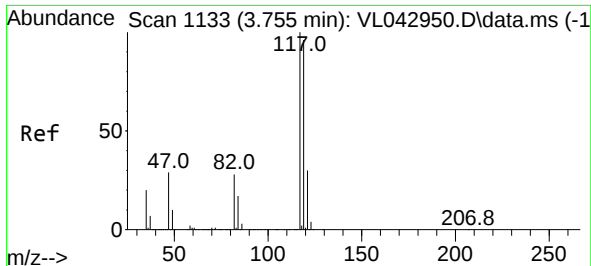
Tgt Ion: 43 Resp: 3548

Ion Ratio Lower Upper

43 100

72 18.3 17.7 26.5

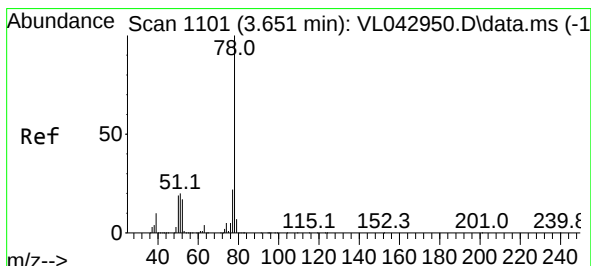
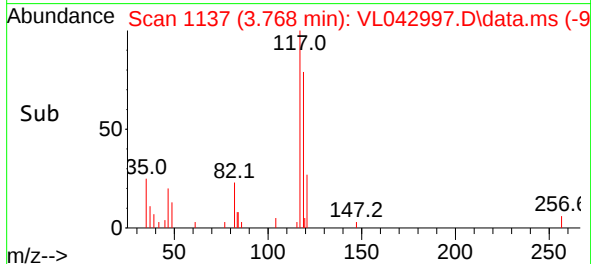
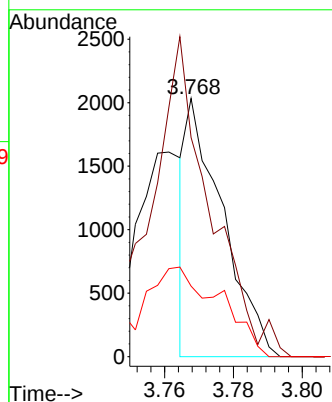
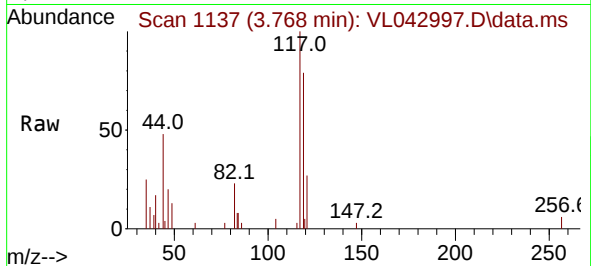




#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 3.768 min Scan# 1133
Delta R.T. 0.013 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

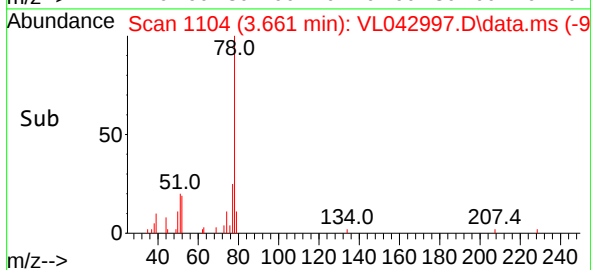
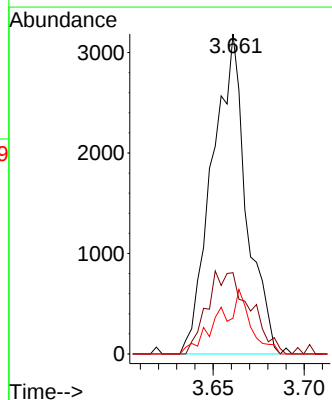
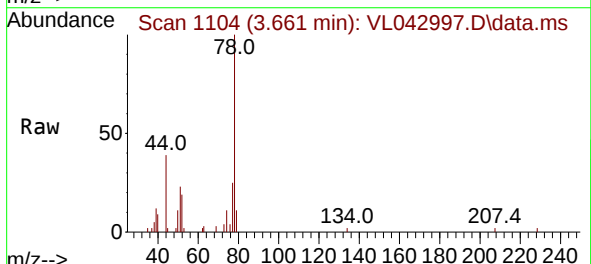
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

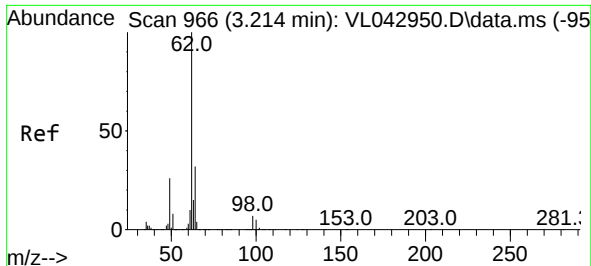
Tgt Ion:	117	Resp:	1485
Ion	Ratio	Lower	Upper
117	100		
119	81.5	76.9	115.3
121	27.3	23.7	35.5



#36
Benzene
Concen: 0.111 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion:	78	Resp:	4167
Ion	Ratio	Lower	Upper
78	100		
77	25.4	17.8	26.6
50	11.2	15.0	22.4





#37

1,2-Dichloroethane

Concen: 0.143 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

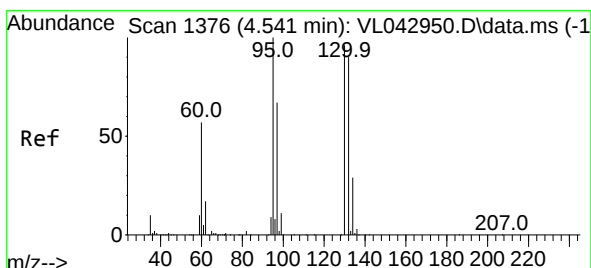
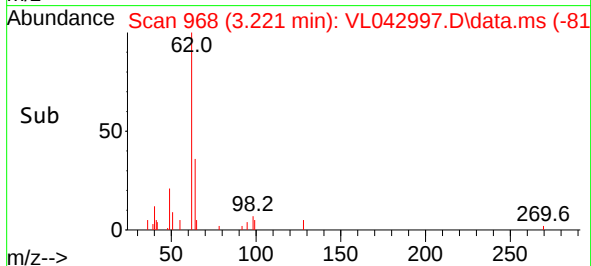
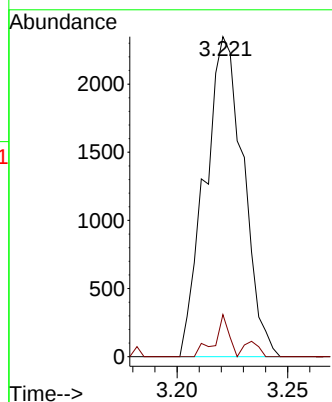
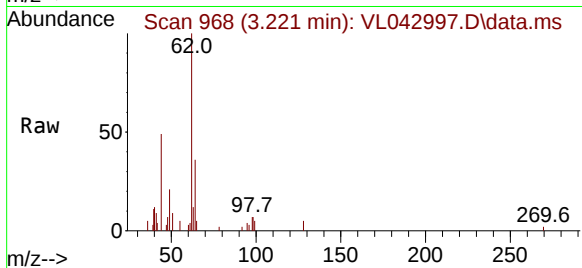
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 62 Resp: 2829

Ion Ratio Lower Upper

62 100

98 6.7 5.9 8.9



#38

Trichloroethene

Concen: 0.014 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.026 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Tgt Ion:130 Resp: 267

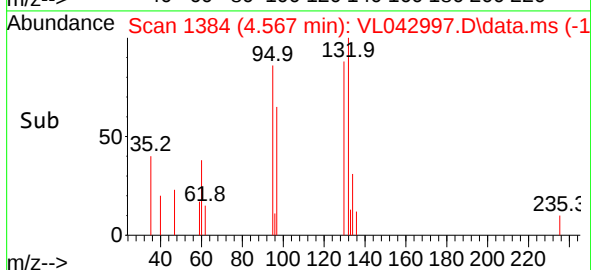
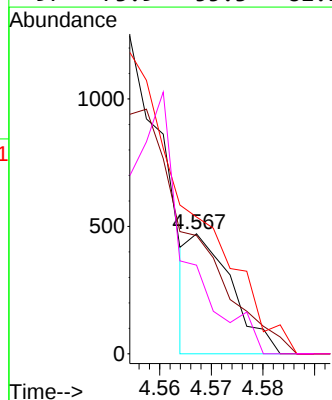
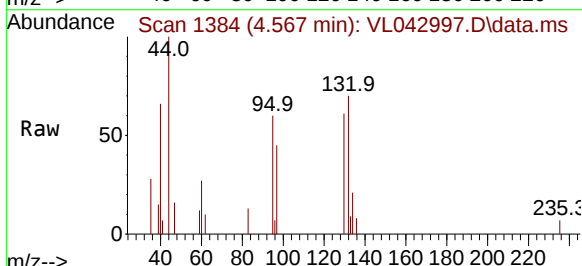
Ion Ratio Lower Upper

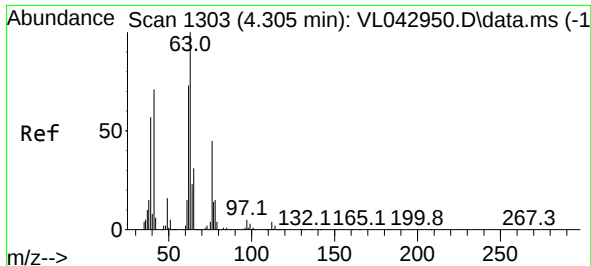
130 100

95 84.5 83.0 124.4

132 89.8 74.6 112.0

97 73.9 55.3 82.9





#39

1,2-Dichloropropane

Concen: 7.618 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.346 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

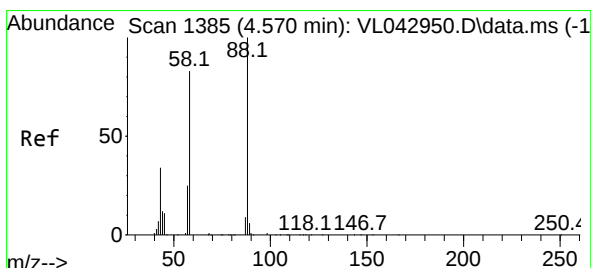
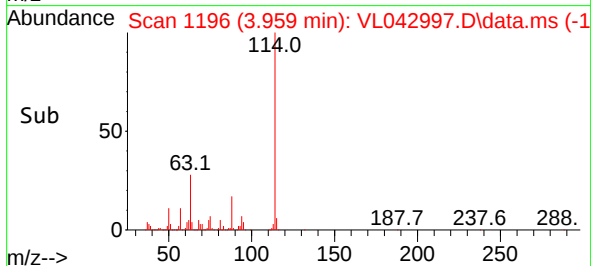
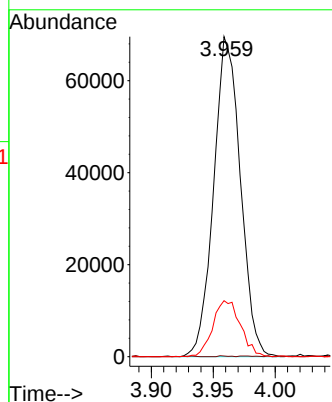
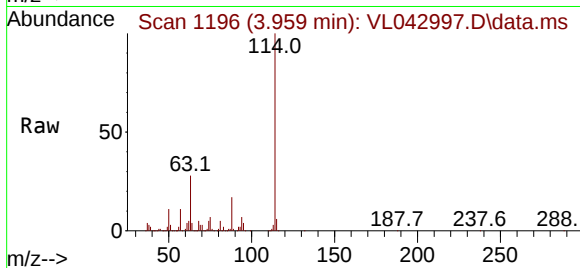
Tgt Ion: 63 Resp: 104488

Ion Ratio Lower Upper

63 100

41 0.2 57.5 86.3#

62 17.4 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.031 ppbv

RT: 4.619 min Scan# 1400

Delta R.T. 0.048 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Tgt Ion: 88 Resp: 195

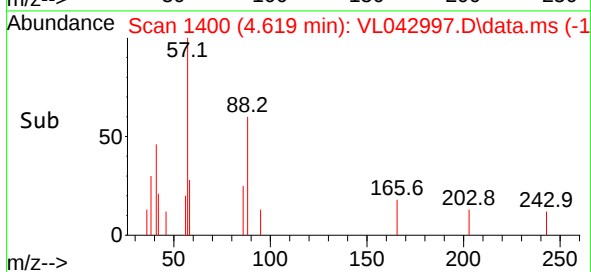
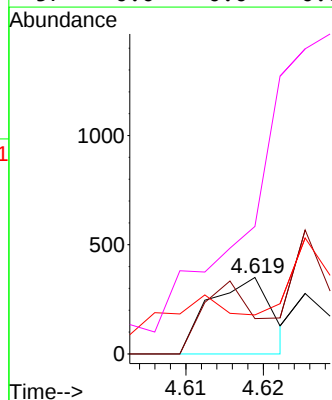
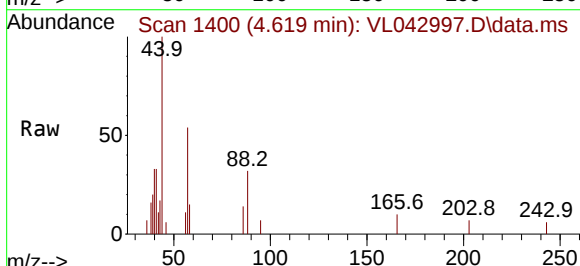
Ion Ratio Lower Upper

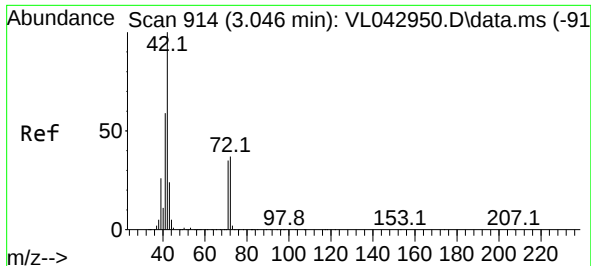
88 100

58 0.0 59.7 89.5#

43 41.0 28.9 43.3

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.084 ppbv

RT: 3.069 min Scan# 91

Delta R.T. 0.023 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

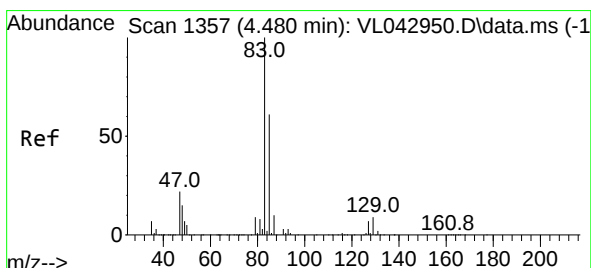
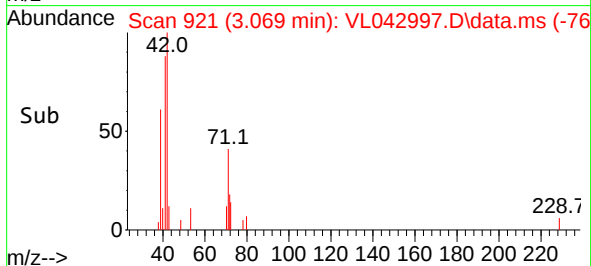
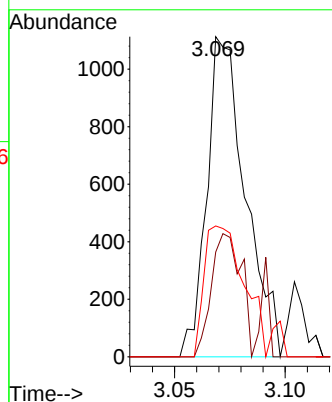
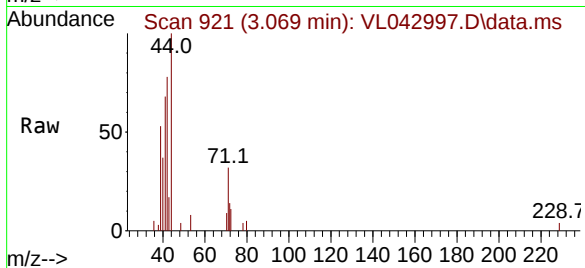
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 42	Resp: 1351
Ion Ratio	Lower Upper
42	100
72	35.9 30.0 45.0
71	45.2 28.8 43.2#



#42

Bromodichloromethane

Concen: 0.082 ppbv

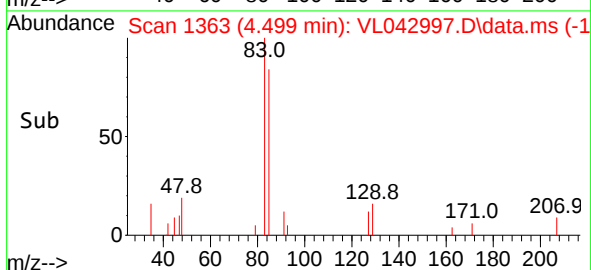
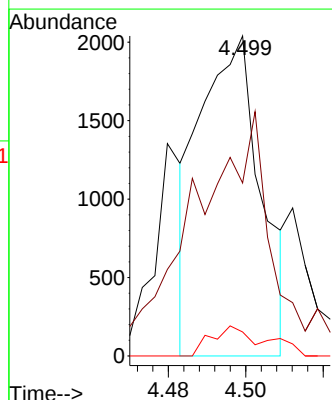
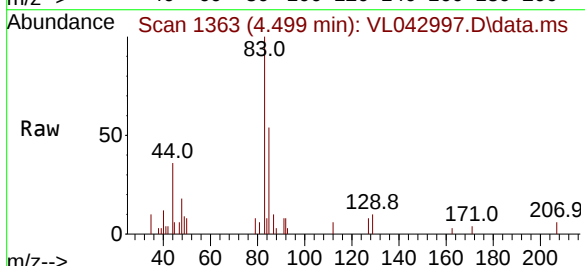
RT: 4.499 min Scan# 1363

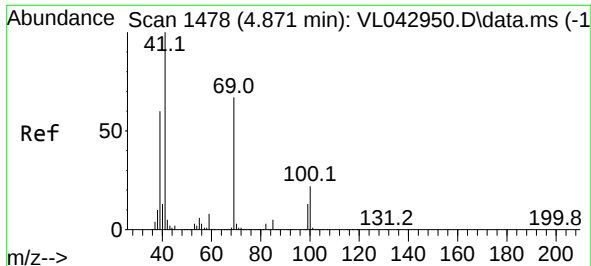
Delta R.T. 0.019 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Tgt Ion: 83	Resp: 2243
Ion Ratio	Lower Upper
83	100
85	57.7 49.0 73.6
127	12.4 5.3 7.9#

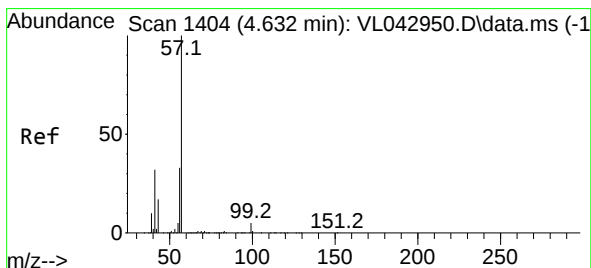
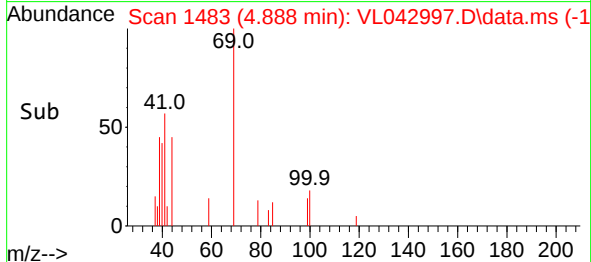
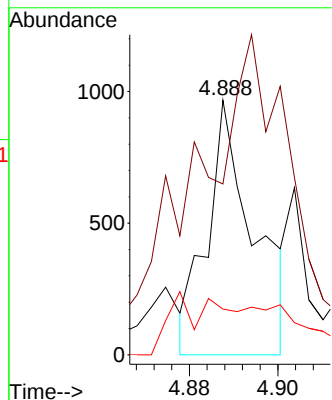
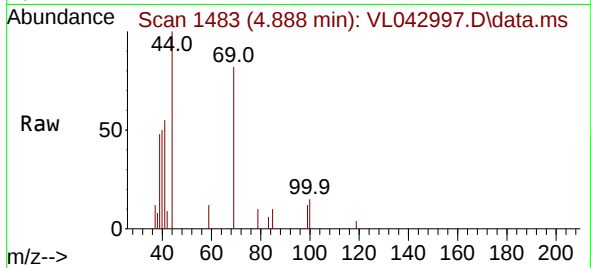




#43
Methyl Methacrylate
Concen: 0.046 ppbv
RT: 4.888 min Scan# 1478
Delta R.T. 0.016 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

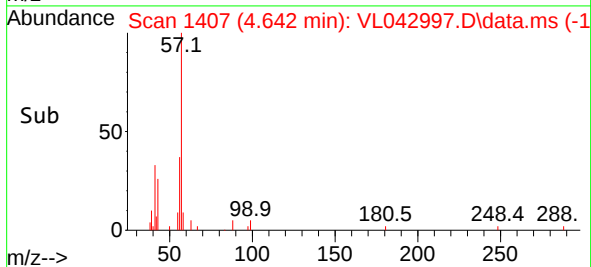
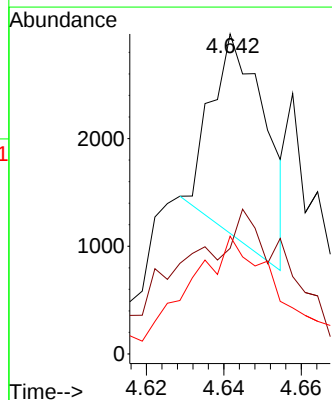
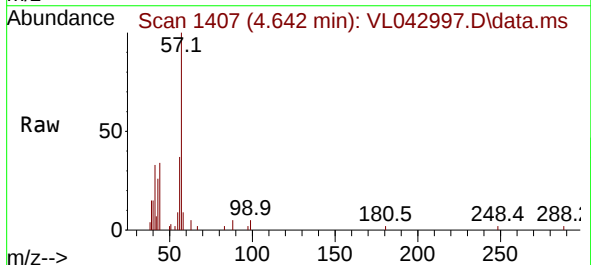
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

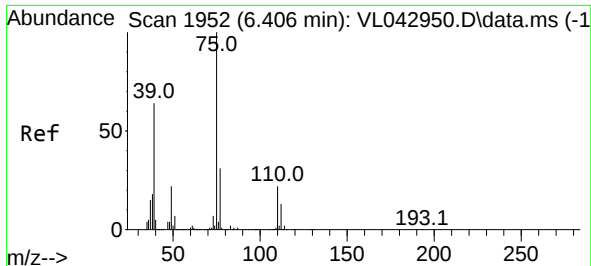
Tgt Ion: 69 Resp: 704
Ion Ratio Lower Upper
69 100
41 315.3 124.5 186.7#
100 0.0 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.028 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 57 Resp: 1796
Ion Ratio Lower Upper
57 100
41 171.7 25.5 38.3#
56 114.8 25.8 38.8#





#45

t-1,3-Dichloropropene

Concen: 0.015 ppbv

RT: 6.428 min Scan# 1952

Delta R.T. 0.023 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

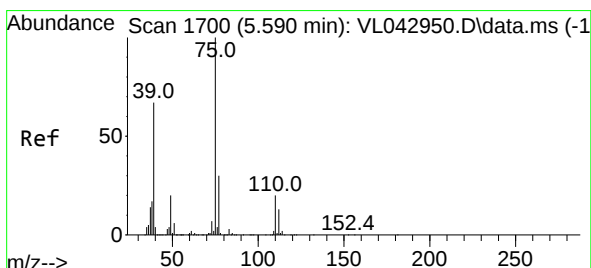
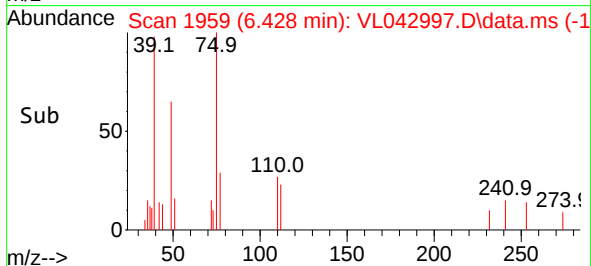
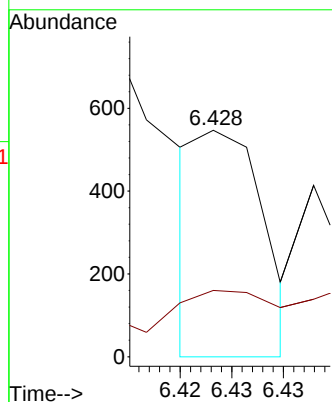
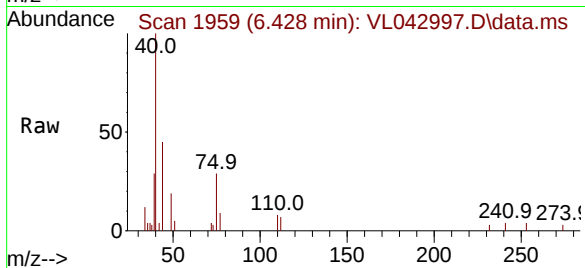
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

77 29.3 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.024 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.010 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

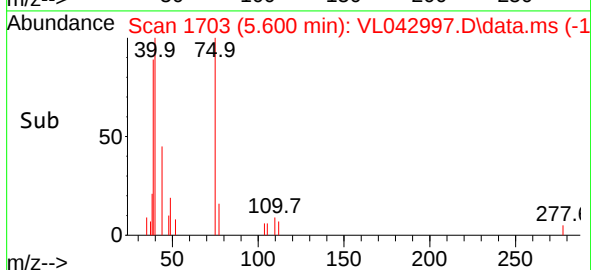
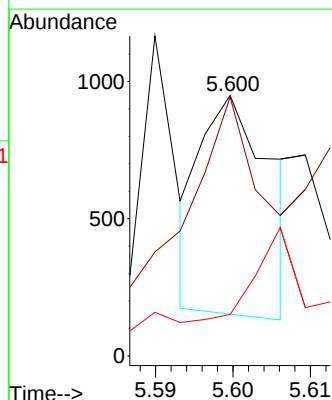
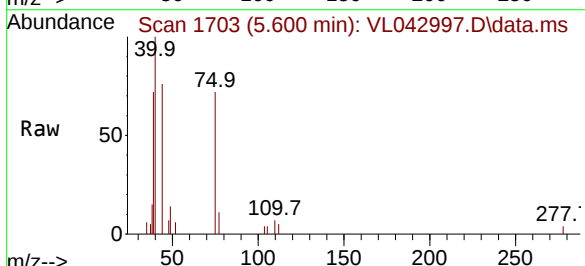
Tgt Ion: 75 Resp: 502

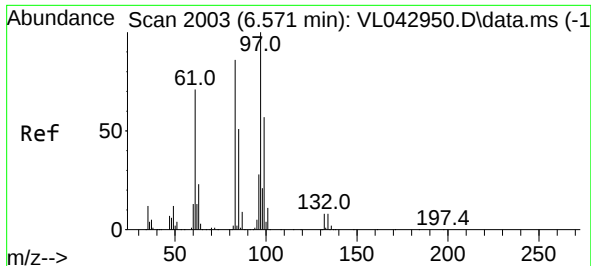
Ion Ratio Lower Upper

75 100

39 127.3 53.8 80.6#

77 7.6 23.6 35.4#





#47

1,1,2-Trichloroethane

Concen: 0.021 ppbv

RT: 6.580 min Scan# 2006

Delta R.T. 0.010 min

Lab File: VL042997.D

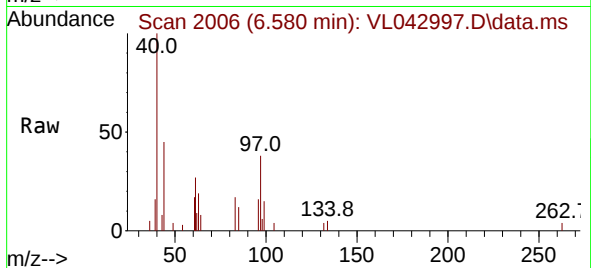
Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 97 Resp: 306

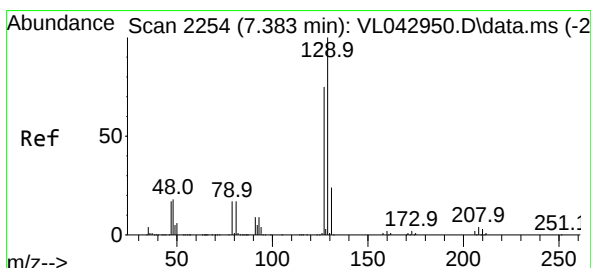
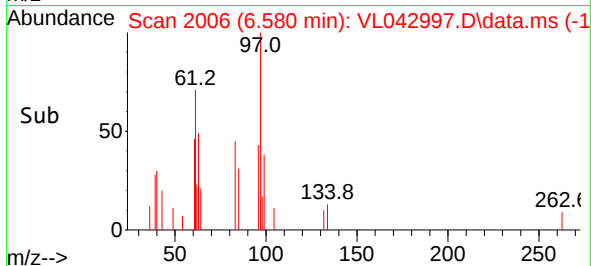
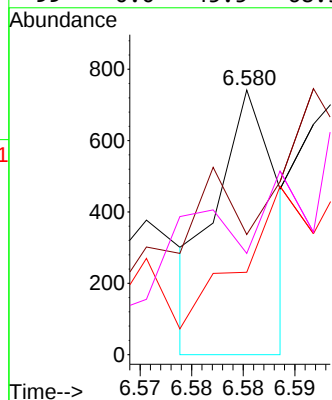
Ion Ratio Lower Upper

97 100

83 12.0 68.7 103.1#

85 36.1 40.6 60.8#

99 0.0 45.5 68.3#



#48

Dibromochloromethane

Concen: 0.092 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.013 min

Lab File: VL042997.D

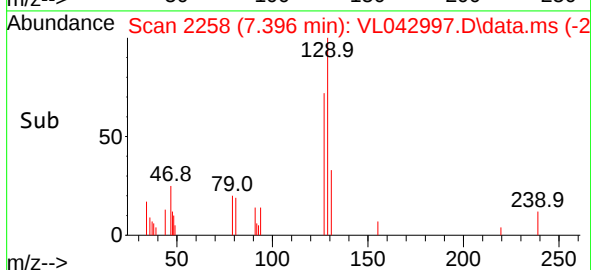
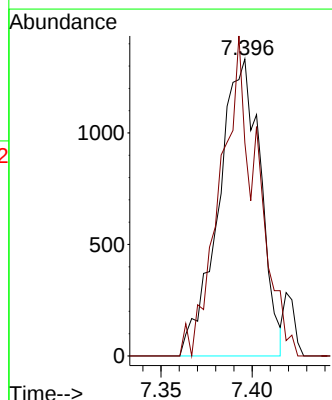
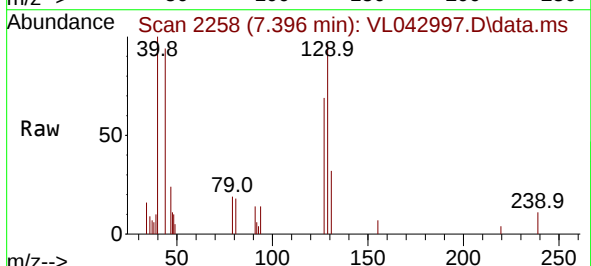
Acq: 23 Sep 2025 18:12

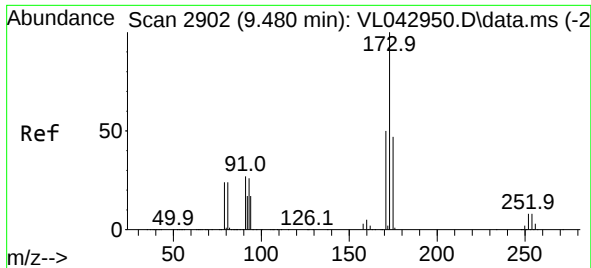
Tgt Ion: 129 Resp: 2127

Ion Ratio Lower Upper

129 100

127 95.7 39.1 117.2





#49

Bromoform

Concen: 0.026 ppbv

RT: 9.497 min Scan# 2902

Delta R.T. 0.016 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

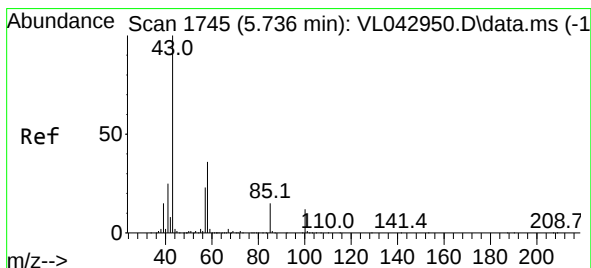
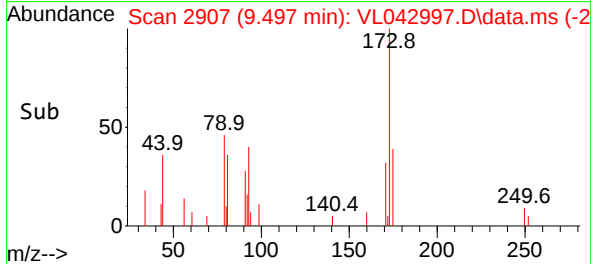
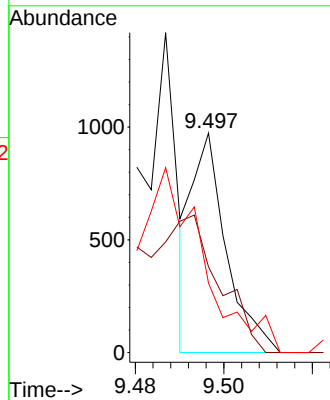
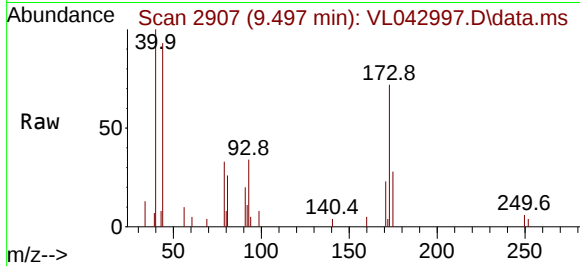
Tgt Ion:173 Resp: 527

Ion Ratio Lower Upper

173 100

175 158.8 37.9 56.9#

171 0.0 41.1 61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.040 ppbv

RT: 5.774 min Scan# 1757

Delta R.T. 0.039 min

Lab File: VL042997.D

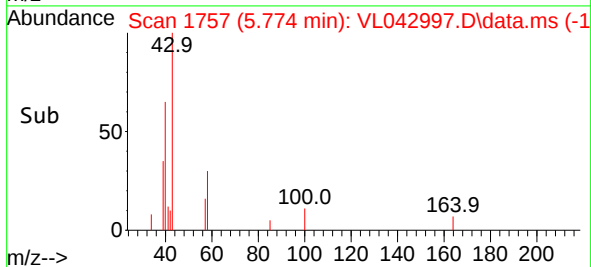
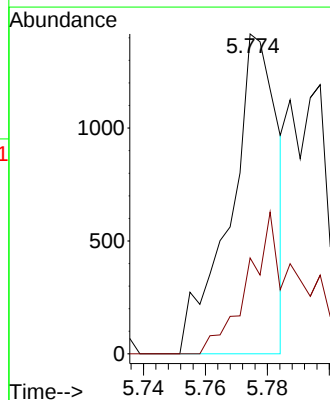
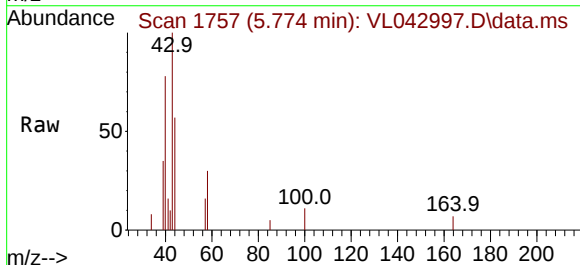
Acq: 23 Sep 2025 18:12

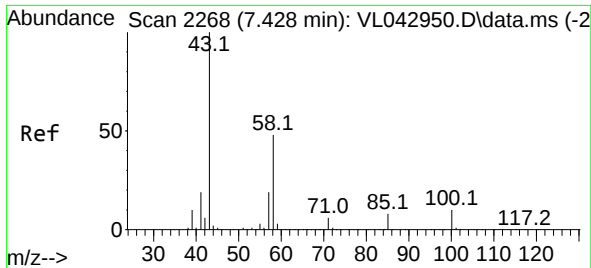
Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

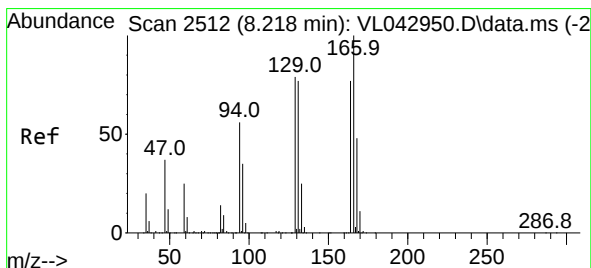
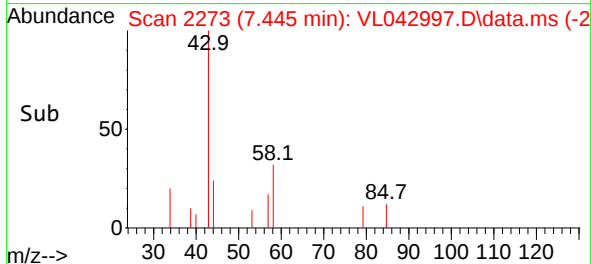
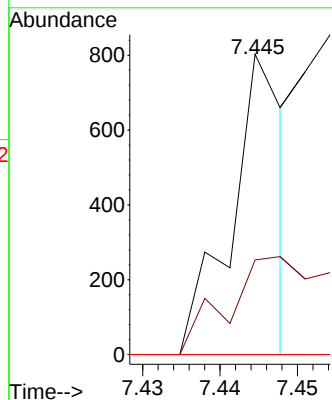
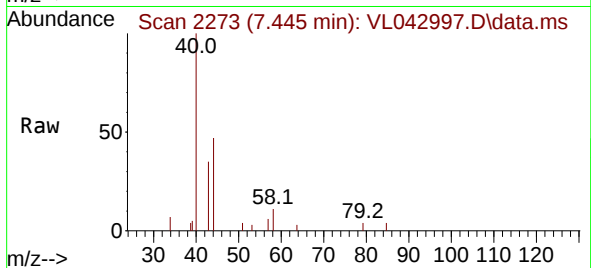




#51
2-Hexanone
Concen: 0.013 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

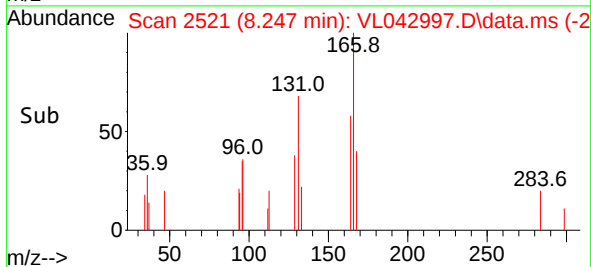
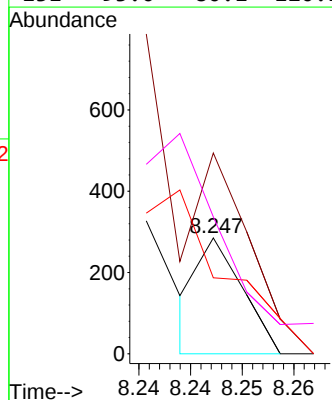
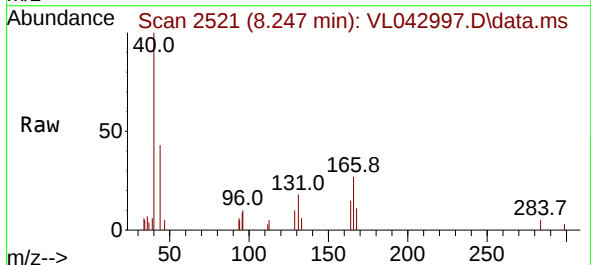
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

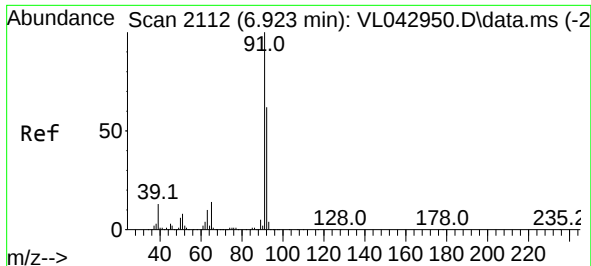
Tgt Ion: 43 Resp: 382
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.006 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 164 Resp: 83
Ion Ratio Lower Upper
164 100
166 143.5 103.5 155.3
129 35.1 82.2 123.4#
131 93.0 80.1 120.1

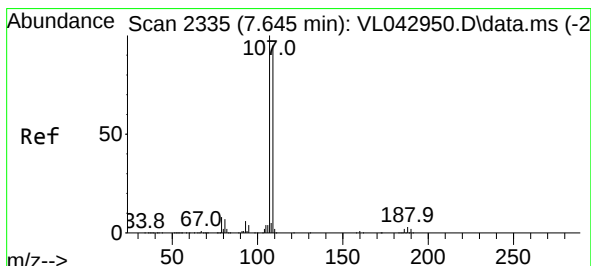
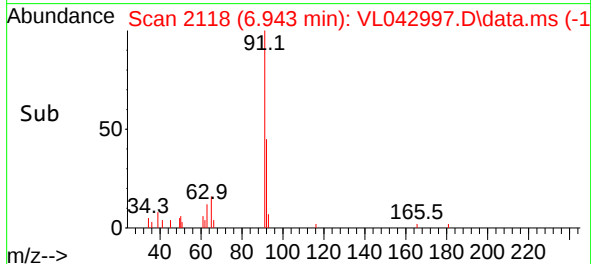
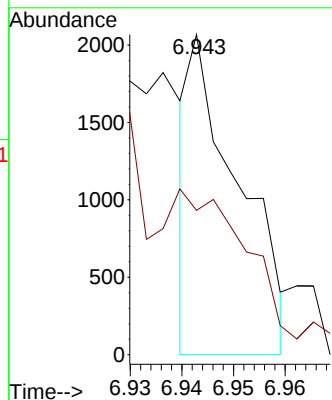
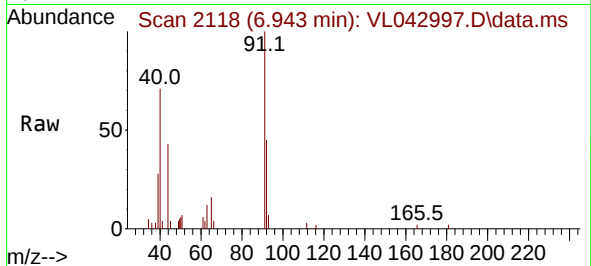




#53
Toluene
Concen: 0.031 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.019 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

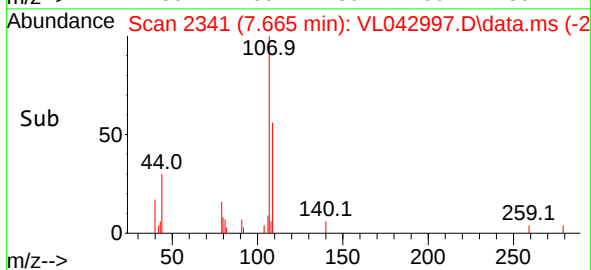
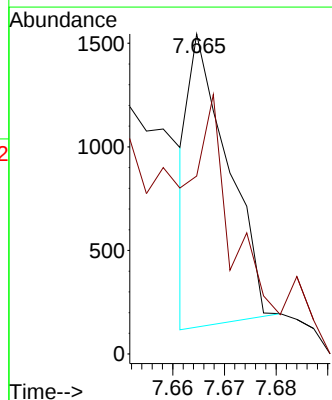
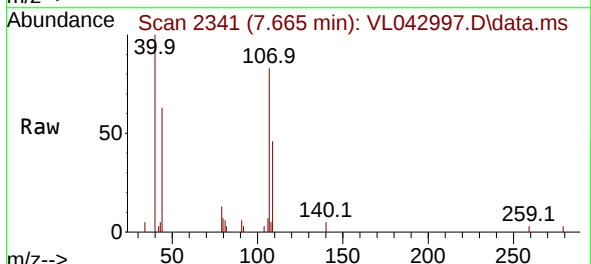
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

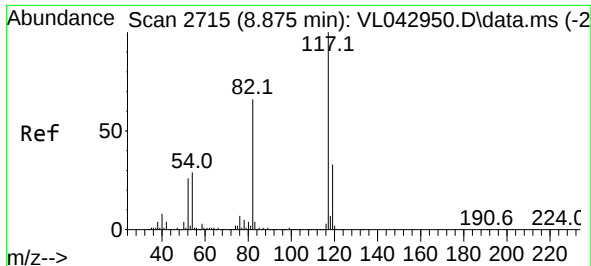
Tgt Ion: 91 Resp: 1369
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#



#54
1,2-Dibromoethane
Concen: 0.036 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.019 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 107 Resp: 731
Ion Ratio Lower Upper
107 100
109 49.6 75.8 113.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2715

Delta R.T. 0.010 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

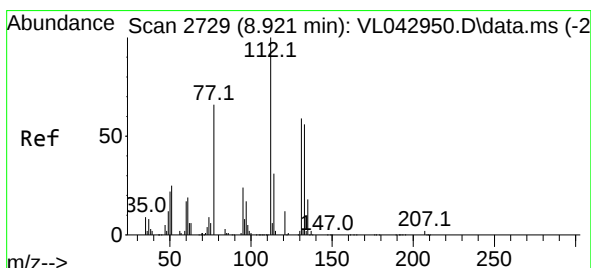
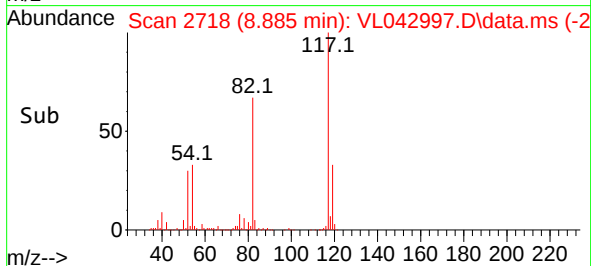
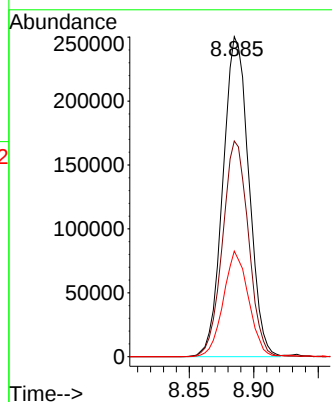
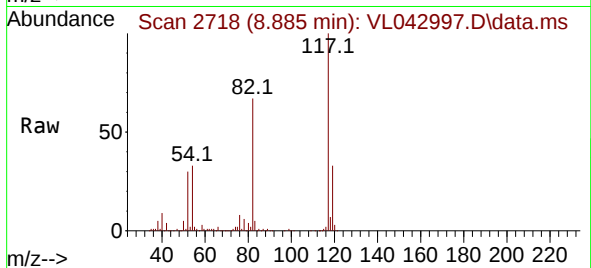
Tgt Ion:117 Resp: 349479

Ion Ratio Lower Upper

117 100

82 67.4 52.8 79.2

119 32.4 26.5 39.7



#56

1,1,1,2-Tetrachloroethane

Concen: 0.113 ppbv

RT: 8.933 min Scan# 2733

Delta R.T. 0.013 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

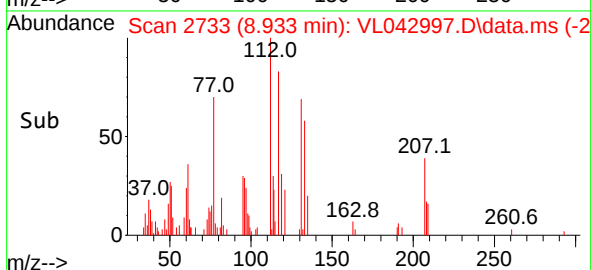
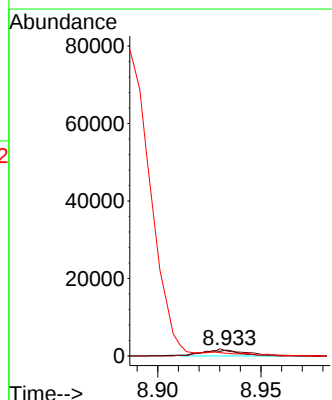
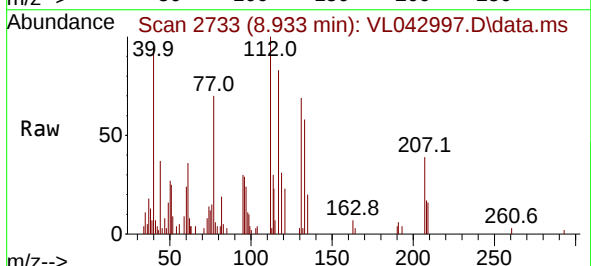
Tgt Ion:131 Resp: 1885

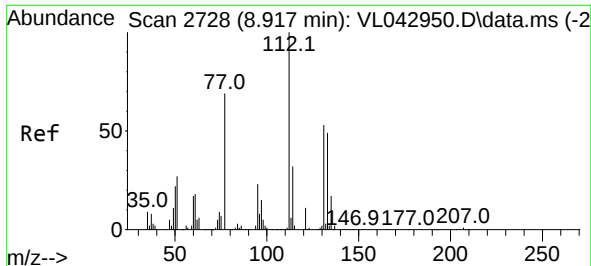
Ion Ratio Lower Upper

131 100

133 125.4 76.6 114.8#

119 0.0 49.9 74.9#

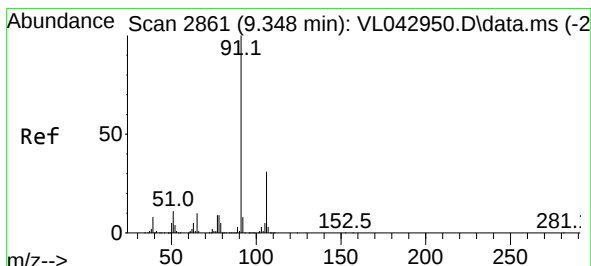
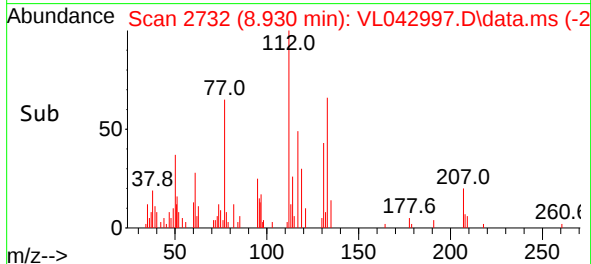
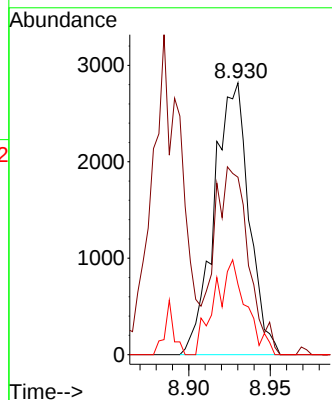
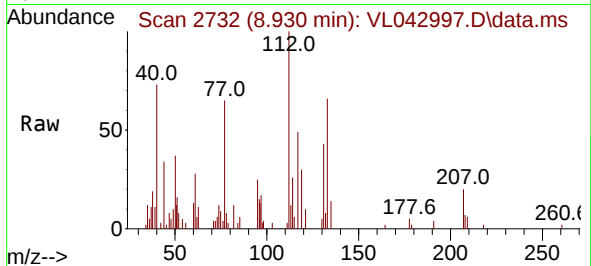




#57
Chlorobenzene
Concen: 0.131 ppbv
RT: 8.930 min Scan# 2193
Delta R.T. 0.013 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

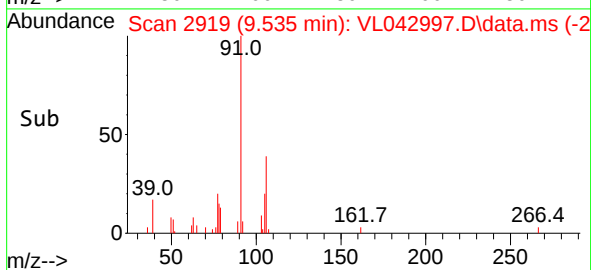
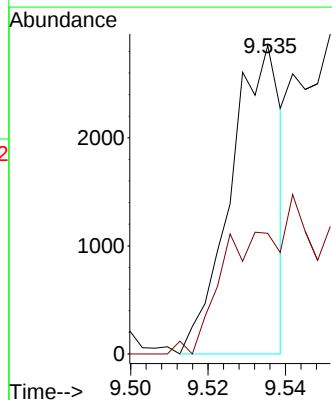
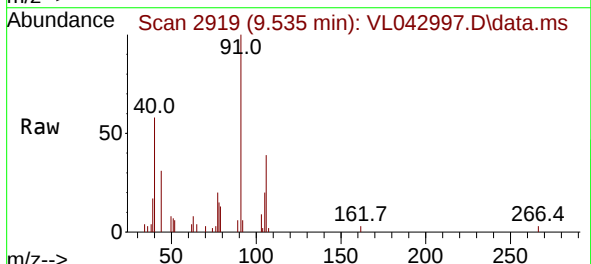
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

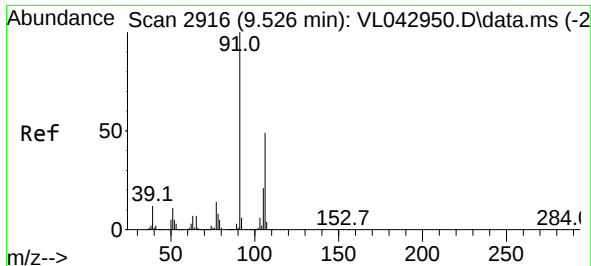
Tgt Ion:112 Resp: 4193
Ion Ratio Lower Upper
112 100
77 65.3 55.7 83.5
114 25.9 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.045 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. 0.188 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 91 Resp: 2562
Ion Ratio Lower Upper
91 100
106 34.9 24.6 37.0





#59

m/p-Xylene

Concen: 0.057 ppbv

RT: 9.535 min Scan# 2916

Delta R.T. 0.010 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

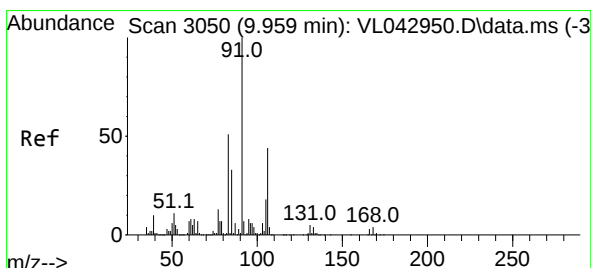
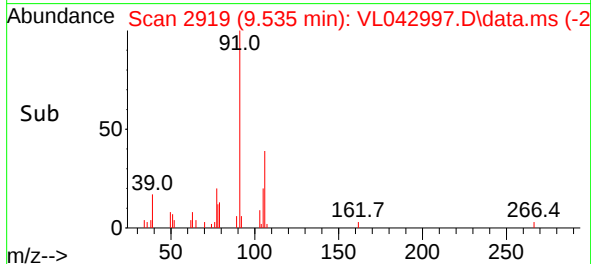
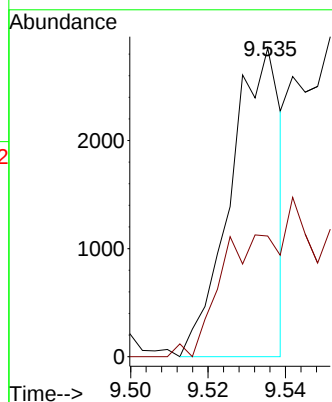
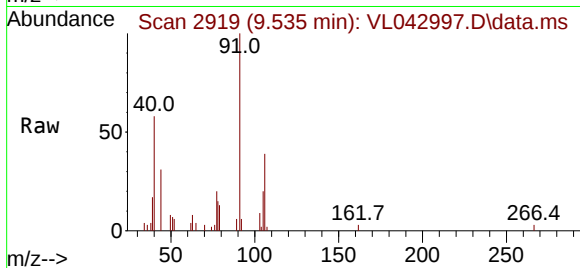
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 91 Resp: 2562

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.041 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.016 min

Lab File: VL042997.D

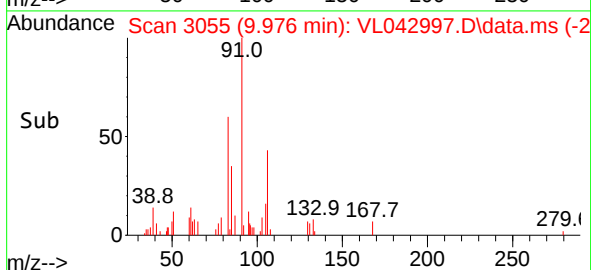
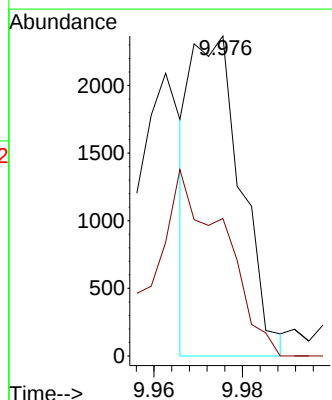
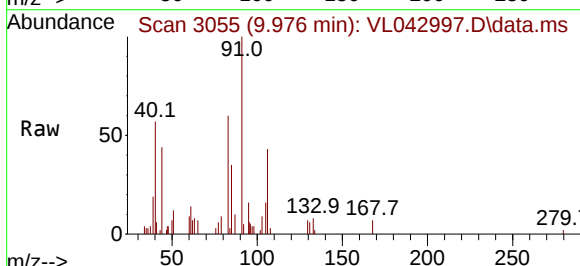
Acq: 23 Sep 2025 18:12

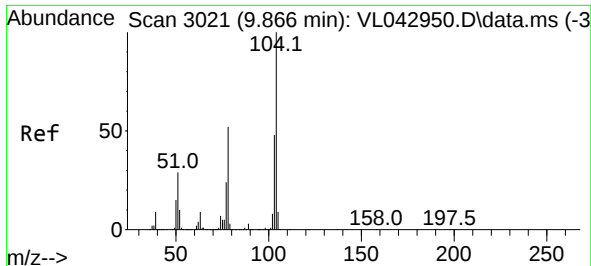
Tgt Ion: 91 Resp: 1864

Ion Ratio Lower Upper

91 100

106 0.0 22.4 67.0#





#61

Styrene

Concen: 0.040 ppbv

RT: 9.878 min Scan# 3021

Delta R.T. 0.013 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

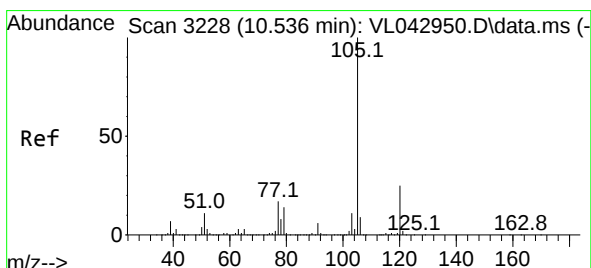
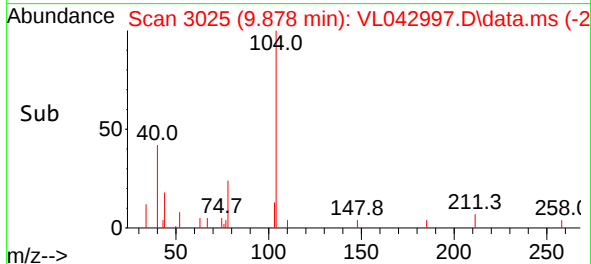
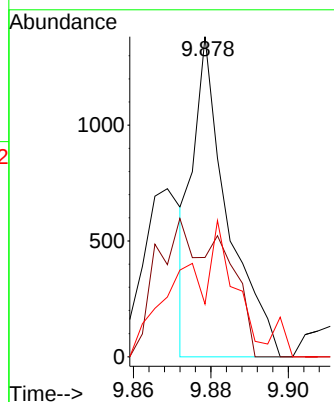
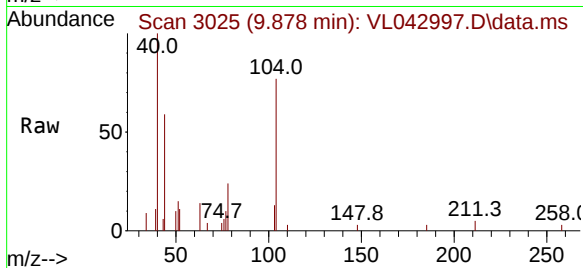
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:104	Resp:	851
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.9
103	70.4	36.9



#62

Isopropylbenzene

Concen: 0.040 ppbv

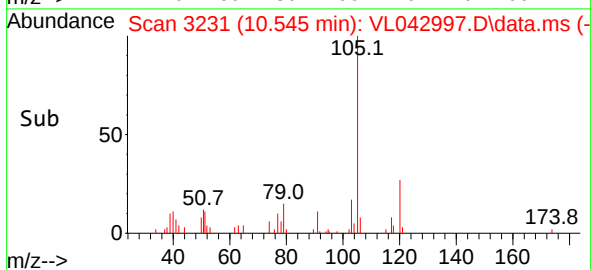
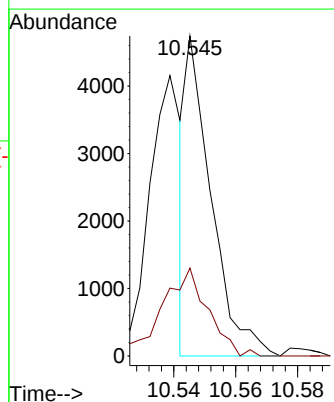
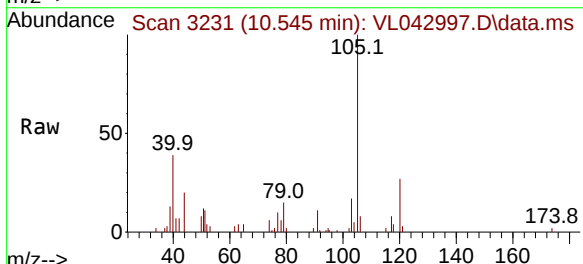
RT: 10.545 min Scan# 3231

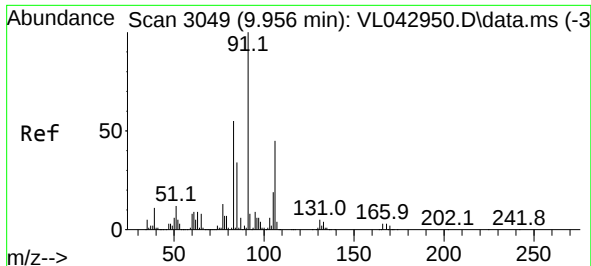
Delta R.T. 0.010 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Tgt Ion:105	Resp:	2720
Ion Ratio	Lower	Upper
105	100	
120	50.5	20.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.114 ppbv

RT: 9.969 min Scan# 3049

Delta R.T. 0.013 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

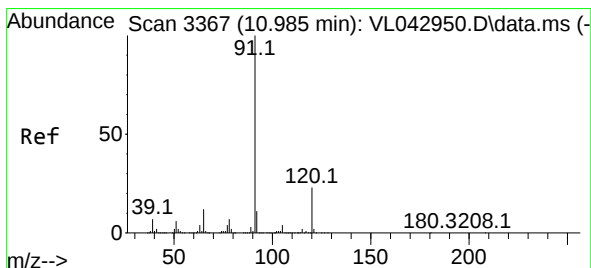
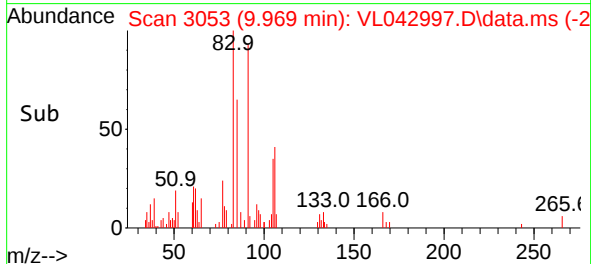
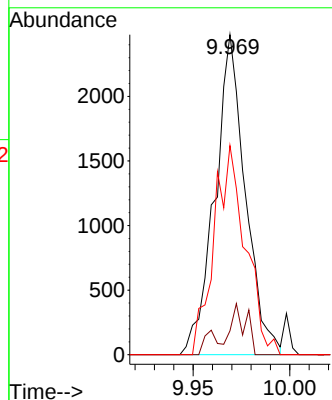
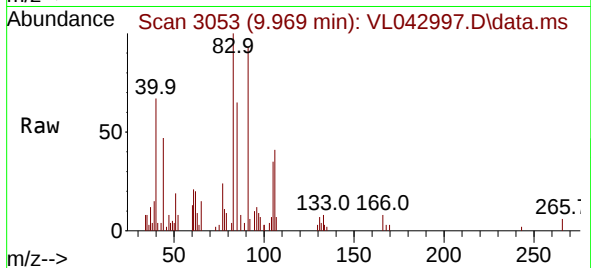
Tgt Ion: 83 Resp: 2709

Ion Ratio Lower Upper

83 100

131 11.3 4.8 14.4

85 67.8 32.2 96.6



#64

n-propylbenzene

Concen: 0.031 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.010 min

Lab File: VL042997.D

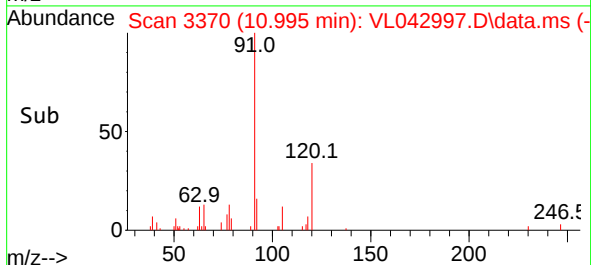
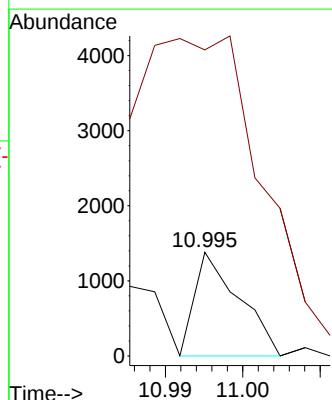
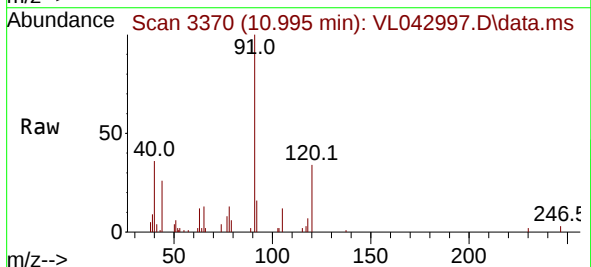
Acq: 23 Sep 2025 18:12

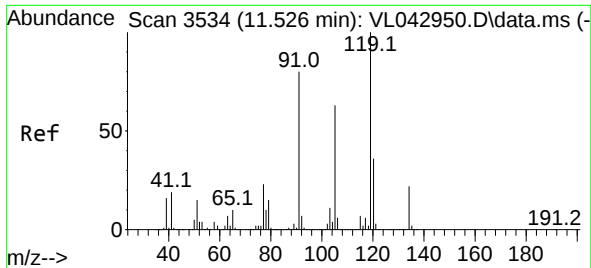
Tgt Ion: 120 Resp: 553

Ion Ratio Lower Upper

120 100

91 1009.8 364.9 547.3#

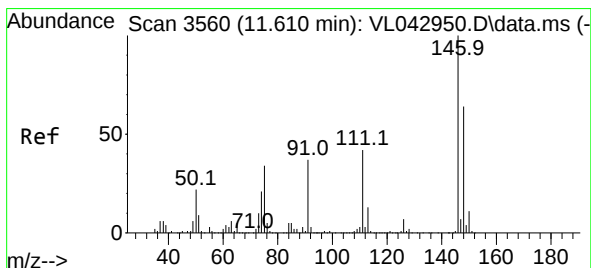
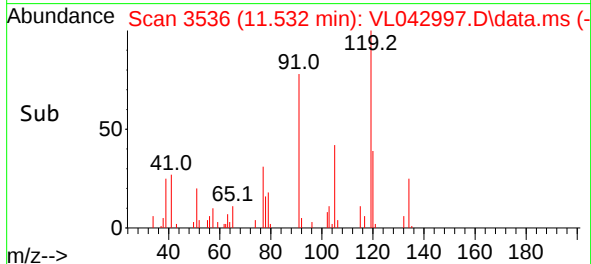
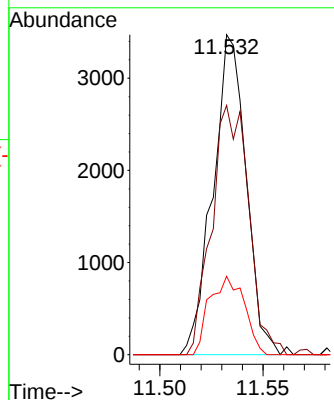
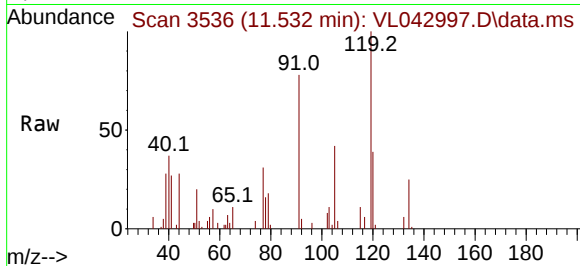




#65
tert-Butylbenzene
Concen: 0.065 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.006 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

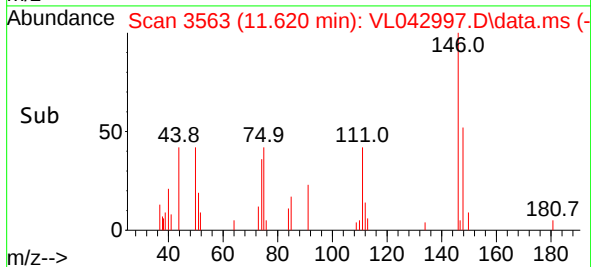
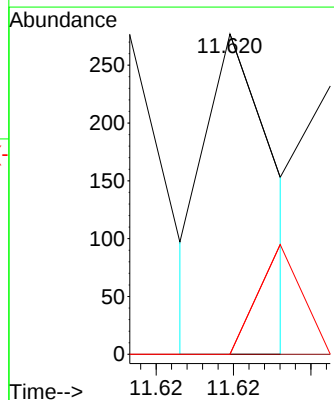
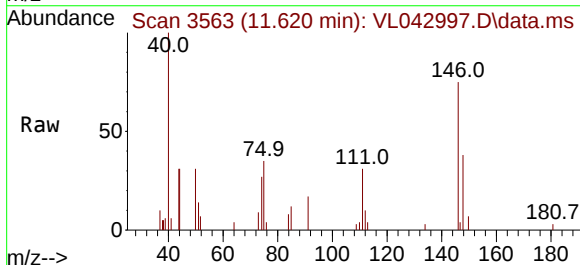
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

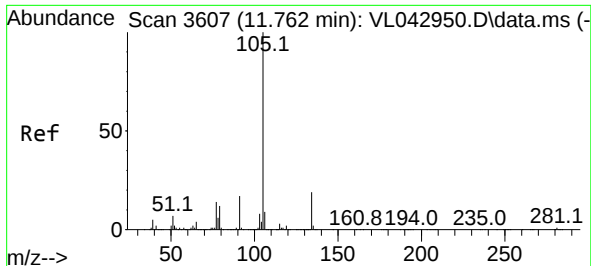
Tgt Ion:119 Resp: 3876
Ion Ratio Lower Upper
119 100
91 87.7 63.1 94.7
134 25.6 17.0 25.6#



#66
Benzyl Chloride
Concen: 0.013 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 91 Resp: 84
Ion Ratio Lower Upper
91 100
126 0.0 14.6 21.8#
128 0.0 5.0 7.4#

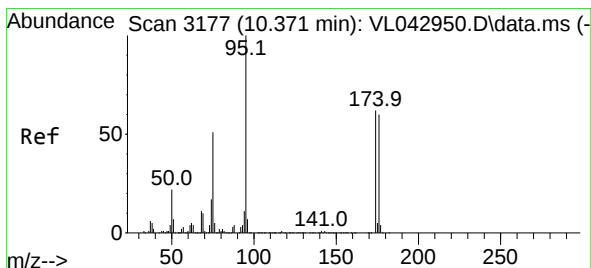
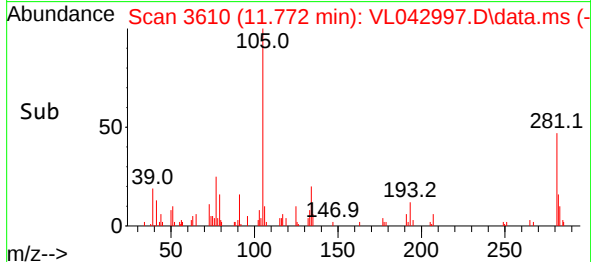
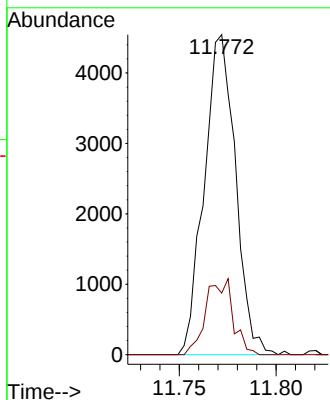
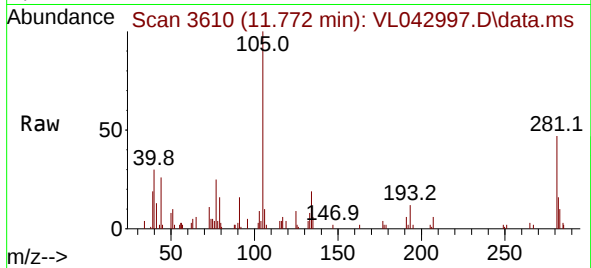




#67
 sec-Butylbenzene
 Concen: 0.061 ppbv
 RT: 11.772 min Scan# 310
 Delta R.T. 0.010 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

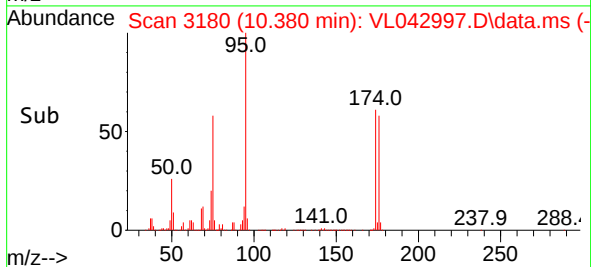
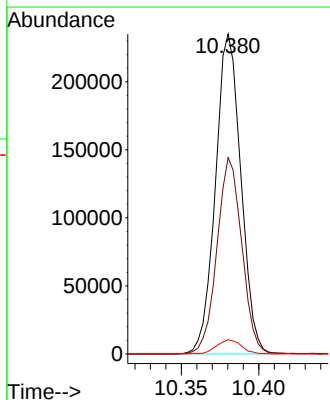
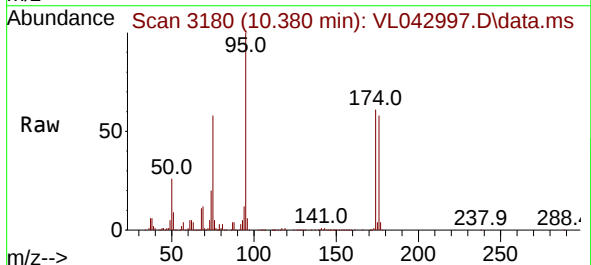
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

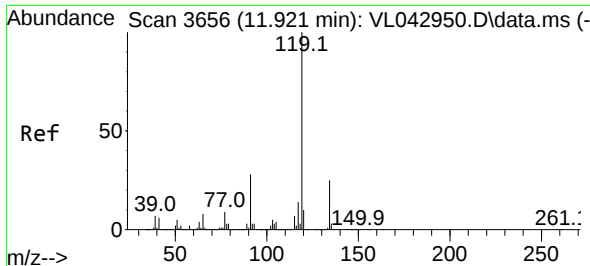
Tgt Ion:105 Resp: 5115
 Ion Ratio Lower Upper
 105 100
 134 20.4 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.300 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion: 95 Resp: 268708
 Ion Ratio Lower Upper
 95 100
 174 60.0 51.4 77.2
 175 4.4 4.0 6.0

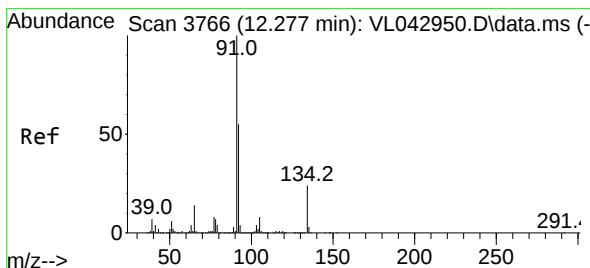
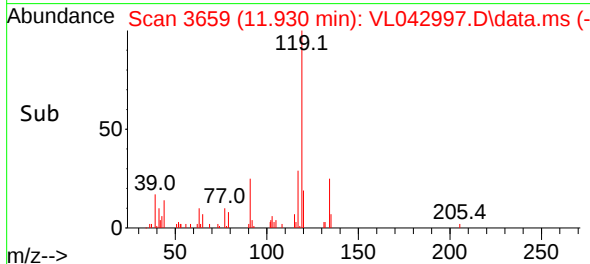
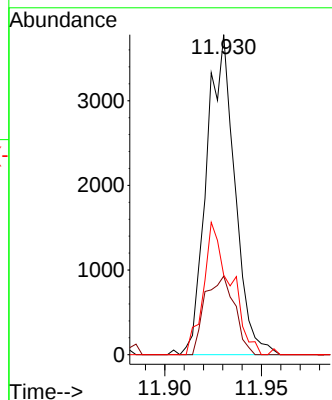
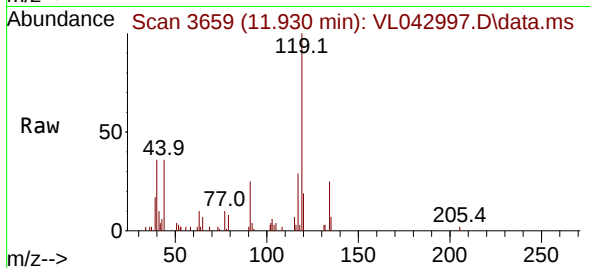




#69
p-Isopropyltoluene
Concen: 0.054 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

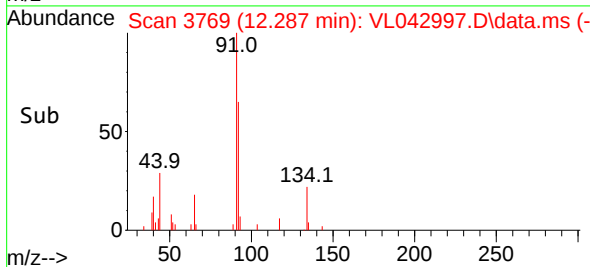
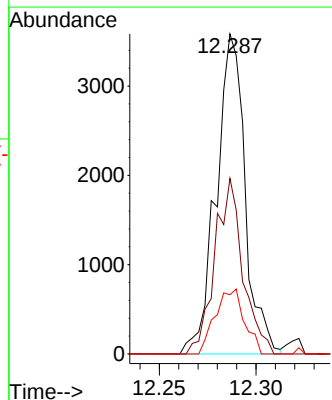
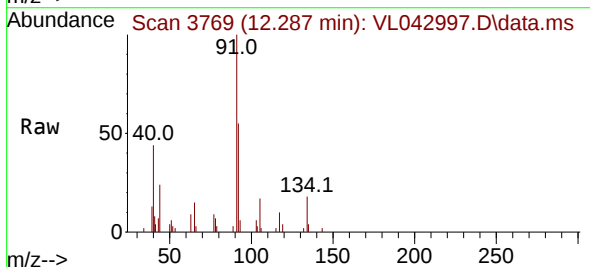
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

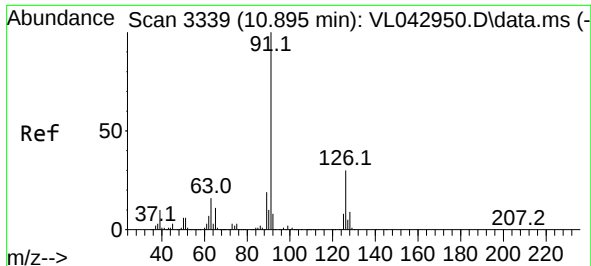
Tgt Ion:	119	Resp:	3822
Ion	Ratio	Lower	Upper
119	100		
134	25.8	21.0	31.4
91	40.0	22.3	33.5#



#70
n-Butylbenzene
Concen: 0.054 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion:	91	Resp:	3728
Ion	Ratio	Lower	Upper
91	100		
92	53.0	44.0	66.0
134	20.4	19.4	29.2

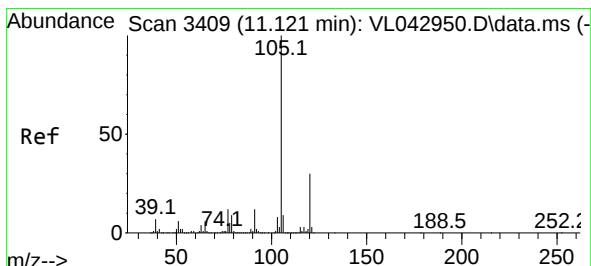
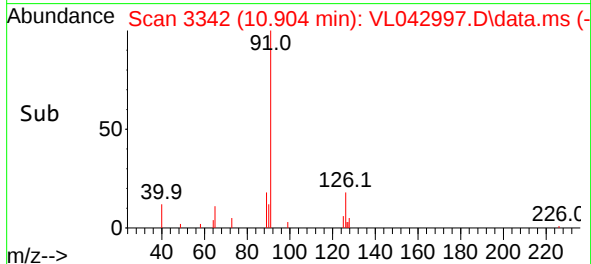
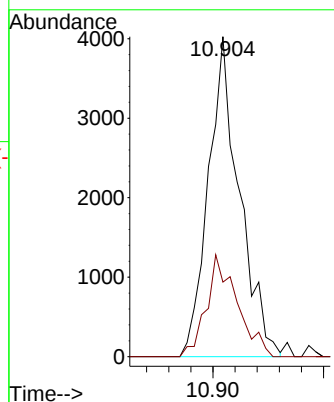
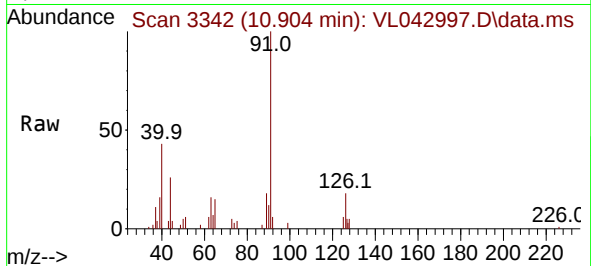




#71
2-Chlorotoluene
Concen: 0.077 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

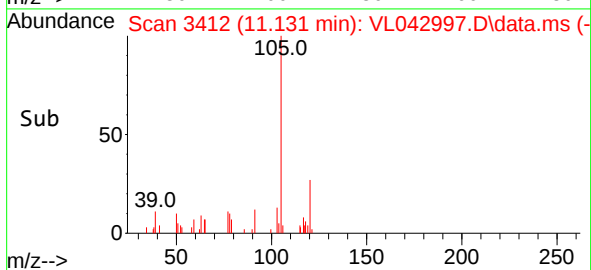
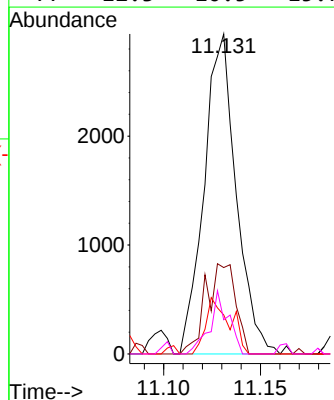
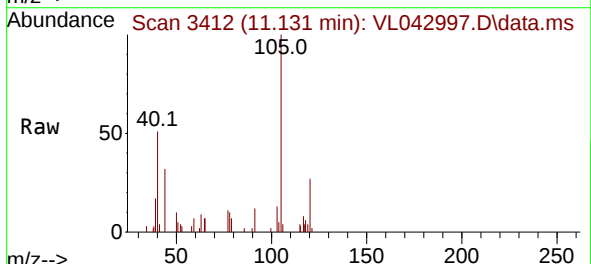
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

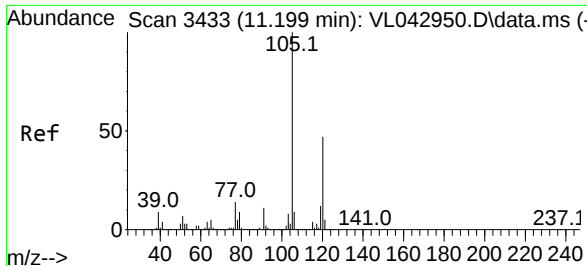
Tgt Ion: 91 Resp: 3924
Ion Ratio Lower Upper
91 100
126 31.6 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.060 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 105 Resp: 3387
Ion Ratio Lower Upper
105 100
120 26.2 24.2 36.2
91 13.3 10.0 15.0
77 12.3 10.5 15.7

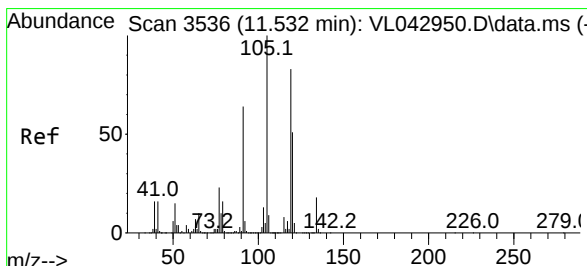
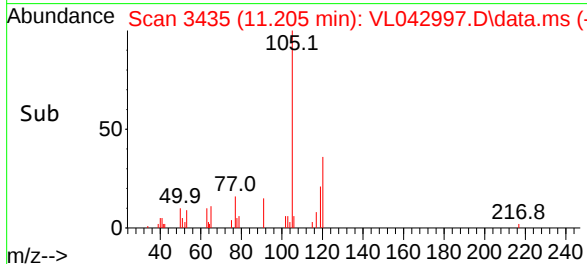
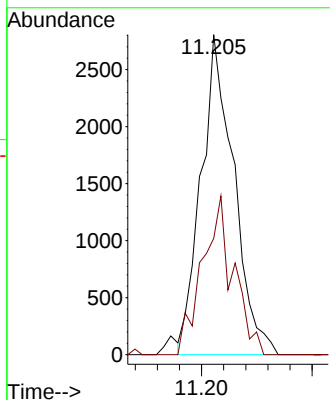
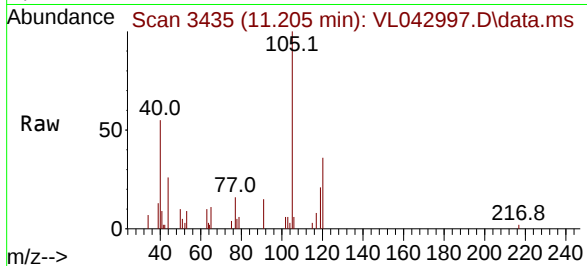




#73
 1,3,5-Trimethylbenzene
 Concen: 0.063 ppbv
 RT: 11.205 min Scan# 3433
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

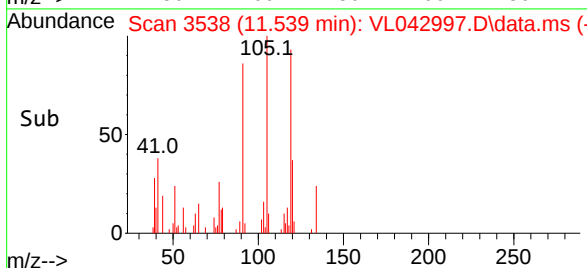
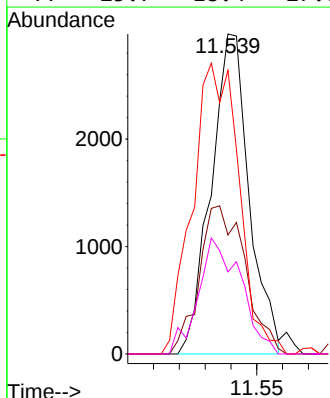
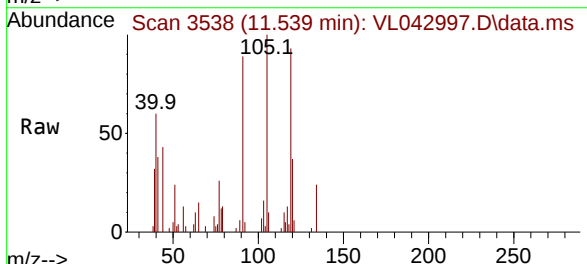
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

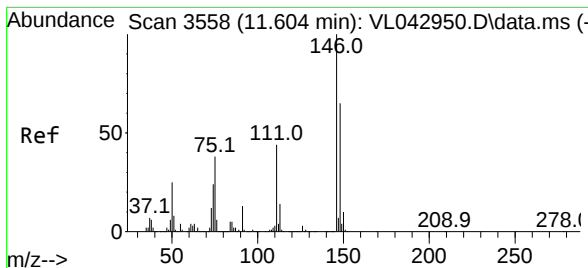
Tgt Ion:105 Resp: 2890
 Ion Ratio Lower Upper
 105 100
 120 36.4 38.0 57.0#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.060 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion:105 Resp: 3061
 Ion Ratio Lower Upper
 105 100
 120 35.4 40.9 61.3#
 91 84.5 51.2 76.8#
 77 25.7 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.075 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

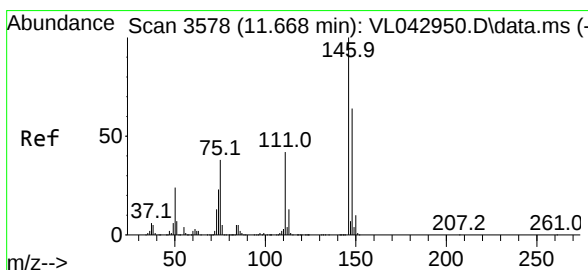
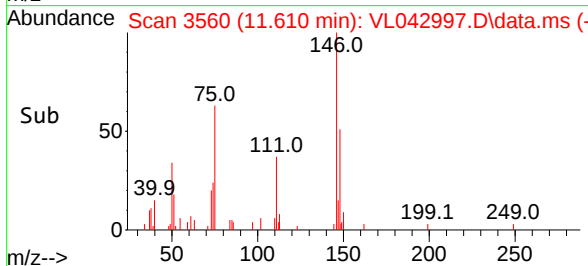
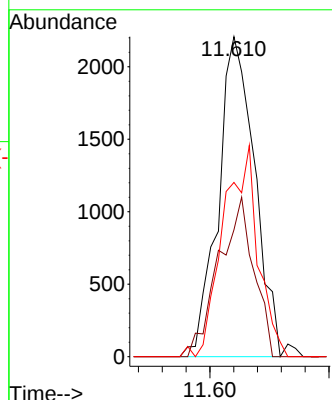
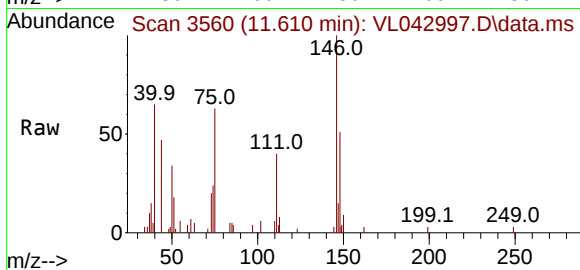
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion:146	Resp:	2347
Ion Ratio	Lower	Upper
146	100	
111	47.9	22.3 66.9
148	63.3	31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.036 ppbv

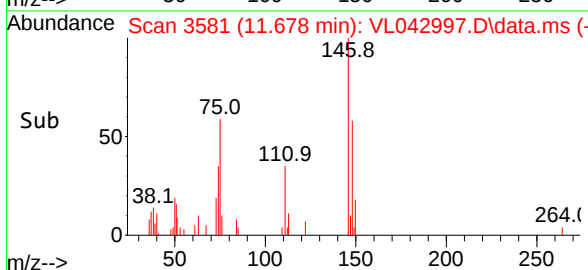
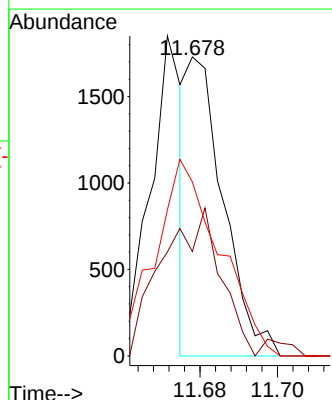
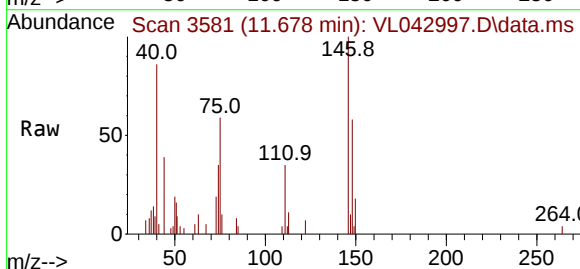
RT: 11.678 min Scan# 3581

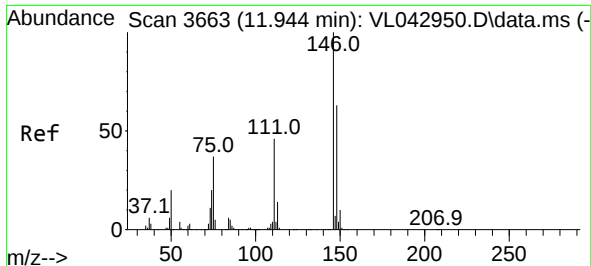
Delta R.T. 0.010 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Tgt Ion:146	Resp:	1118
Ion Ratio	Lower	Upper
146	100	
111	84.2	21.5 64.5#
148	120.3	31.9 95.5#

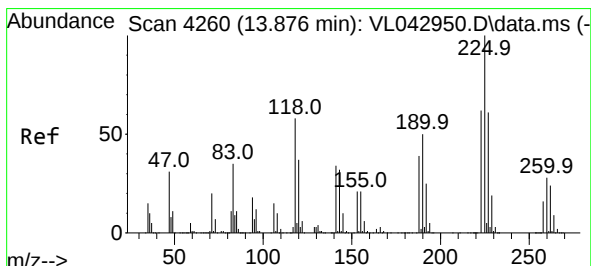
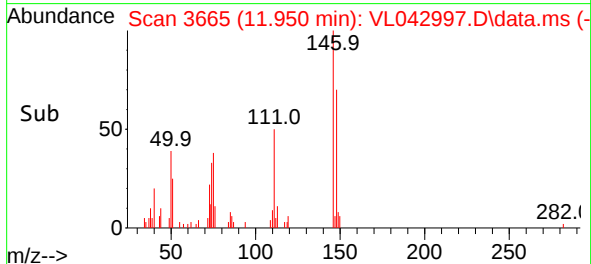
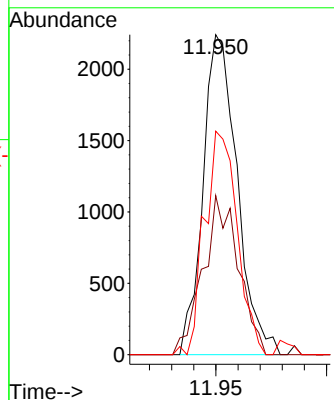
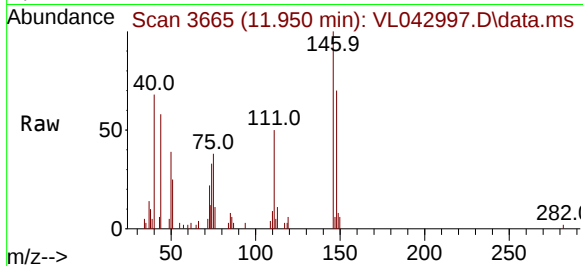




#77
 1,2-Dichlorobenzene
 Concen: 0.080 ppbv
 RT: 11.950 min Scan# 3665
 Delta R.T. 0.006 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

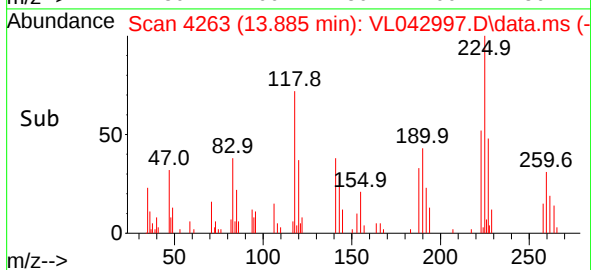
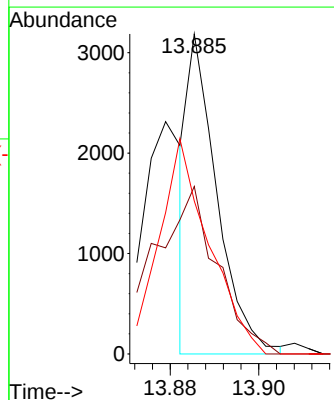
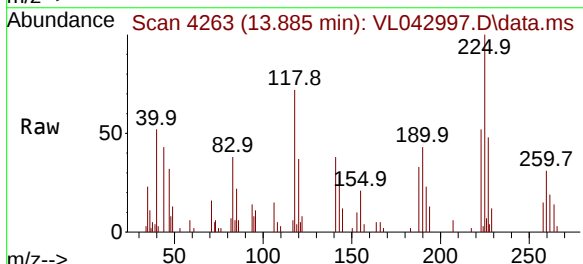
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

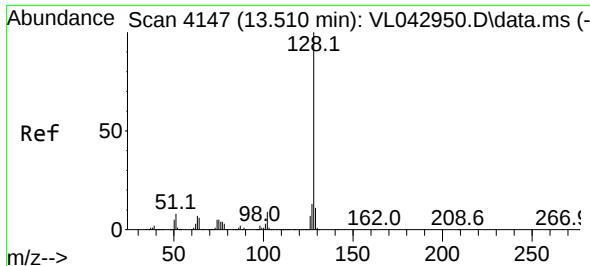
Tgt Ion:	146	Resp:	2403
Ion	Ratio	Lower	Upper
146	100		
111	51.6	23.1	69.3
148	68.6	32.0	96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.062 ppbv
 RT: 13.885 min Scan# 4263
 Delta R.T. 0.010 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

Tgt Ion:	225	Resp:	1454
Ion	Ratio	Lower	Upper
225	100		
223	112.4	50.1	75.1#
227	118.5	50.4	75.6#

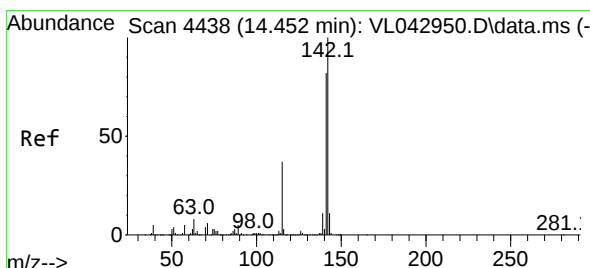
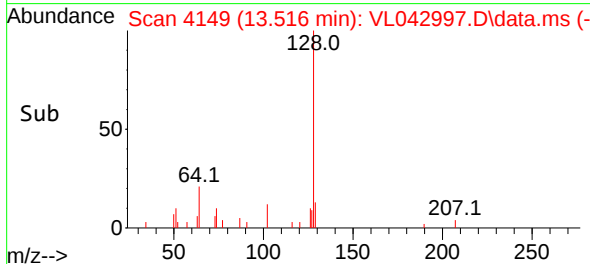
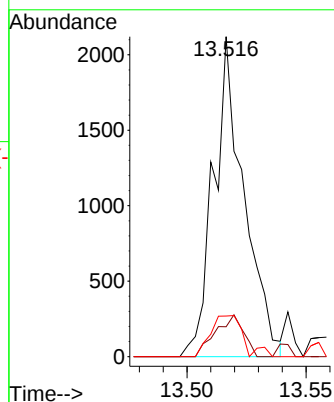
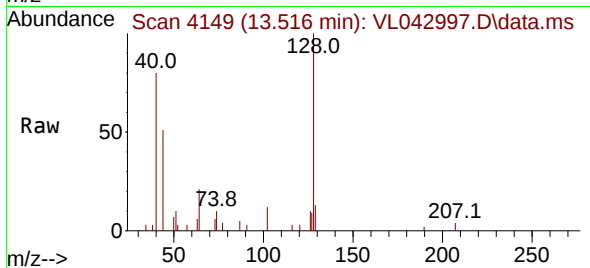




#79
Naphthalene
Concen: 0.042 ppbv
RT: 13.516 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

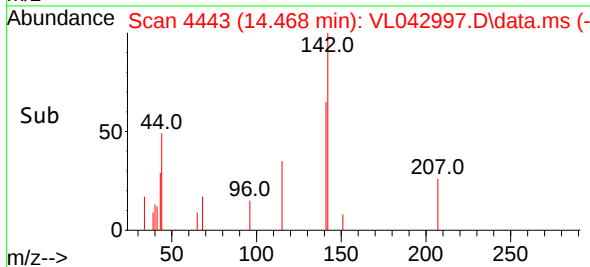
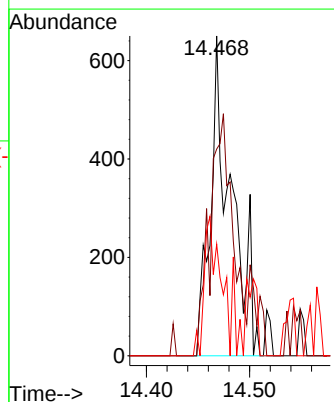
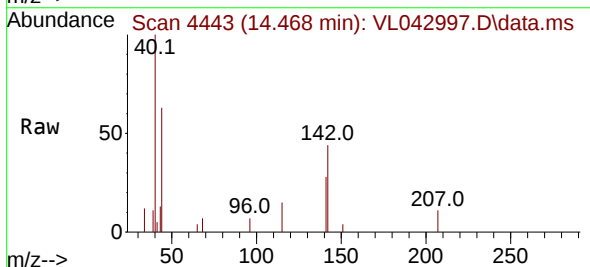
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

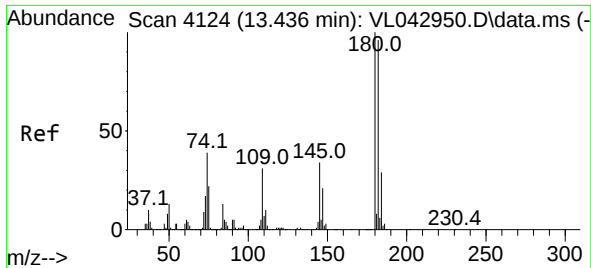
Tgt Ion:128 Resp: 1883
Ion Ratio Lower Upper
128 100
127 9.3 10.6 15.8#
129 12.7 9.0 13.6



#80
Naphthalene,2-methyl-
Concen: 0.067 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.016 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

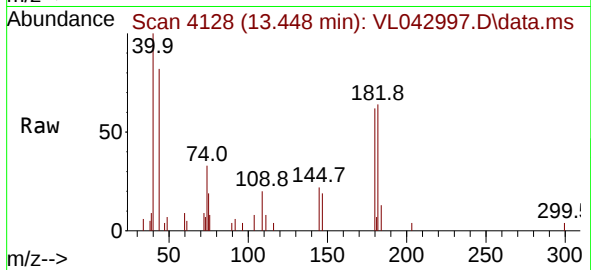
Tgt Ion:142 Resp: 934
Ion Ratio Lower Upper
142 100
141 92.4 65.1 97.7
115 32.1 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.039 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL042997.D
 Acq: 23 Sep 2025 18:12

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



Tgt Ion:	180	Resp:	926
Ion	Ratio	Lower	Upper
180	100		
182	89.2	75.7	113.5
184	30.6	23.9	35.9

