

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042609.D
 Acq On : 03 Jun 2025 14:07
 Operator : SY/MD
 Sample : Q2126-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 04 01:50:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	100090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270695	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	238536	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	184010	10.291	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	5309	0.432	ppbv	94
3) Chlorodifluoromethane	1.473	51	7944	0.469	ppbv	95
4) Chloromethane	1.531	50	2167	0.445	ppbv	94
5) Vinyl Chloride	1.576	62	2127	0.429	ppbv	92
6) Bromomethane	1.667	94	1111	0.460	ppbv	96
7) Chloroethane	1.703	64	851	0.441	ppbv #	85
8) Dichlorotetrafluoroethane	1.550	85	4547	0.444	ppbv	99
9) Propene	1.483	41	2699	0.396	ppbv #	75
10) Heptane	4.975	43	523	0.027	ppbv #	1
11) Trichlorofluoromethane	1.874	101	5211	0.455	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.136	101	3862	0.430	ppbv	100
13) Ethanol	1.719	45	493	0.606	ppbv #	47
14) Bromoethene	1.777	108	1693	0.501	ppbv #	78
15) Acetone	1.832	43	6264	0.520	ppbv	94
16) 1,3-Butadiene	1.605	39	2050	0.359	ppbv	85
17) tert-Butyl alcohol	2.042	59	5028	0.400	ppbv #	94
18) 1,1-Dichloroethene	2.030	96	1821	0.437	ppbv #	81
19) Isopropyl Alcohol	1.887	45	3454	0.479	ppbv #	42
20) Methylene Chloride	2.059	84	2591	0.651	ppbv	90
21) Allyl Chloride	2.094	41	3400	0.400	ppbv	88
22) trans-1,2-Dichloroethene	2.030	96	1821	0.391	ppbv	95
23) Vinyl Acetate	2.460	43	6275	0.385	ppbv #	94
24) 1,1-Dichloroethane	2.405	63	4171	0.436	ppbv #	91
25) Ethyl Acetate	2.839	43	12852	0.390	ppbv	97
26) Hexane	2.822	57	5653	0.377	ppbv	93
27) Carbon Disulfide	2.146	76	4609	0.400	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	2518	0.414	ppbv	93
29) Chloroform	2.845	83	8849	0.454	ppbv	100
30) Cyclohexane	3.855	84	3422	0.275	ppbv #	67
31) cis-1,2-Dichloroethene	2.716	61	5807	0.423	ppbv #	82
32) 1,1,1-Trichloroethane	3.366	97	8081	0.406	ppbv	93
34) 2-Butanone	2.560	43	9808	0.508	ppbv	100
35) Carbon Tetrachloride	3.363	117	629	0.035	ppbv	91
36) Benzene	3.651	78	11914	0.447	ppbv	97
37) 1,2-Dichloroethane	3.217	62	6616	0.499	ppbv	97
38) Trichloroethene	4.544	130	4724	0.417	ppbv #	87
39) 1,2-Dichloropropane	4.311	63	4768	0.484	ppbv	95
40) 1,4-Dioxane	4.606	88	1480	0.336	ppbv #	6
41) Tetrahydrofuran	3.059	42	4377	0.387	ppbv	99
42) Bromodichloromethane	4.483	83	8684	0.462	ppbv #	96
43) Methyl Methacrylate	4.878	69	2174	0.210	ppbv #	12
44) 2,2,4-Trimethylpentane	4.632	57	17323	0.380	ppbv	91
45) t-1,3-Dichloropropene	6.405	75	2533	0.214	ppbv	99

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 Misc : 400mL/MSVOA_L
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Instrument :
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 LOD-MDL-AIR-01-QT2-2025

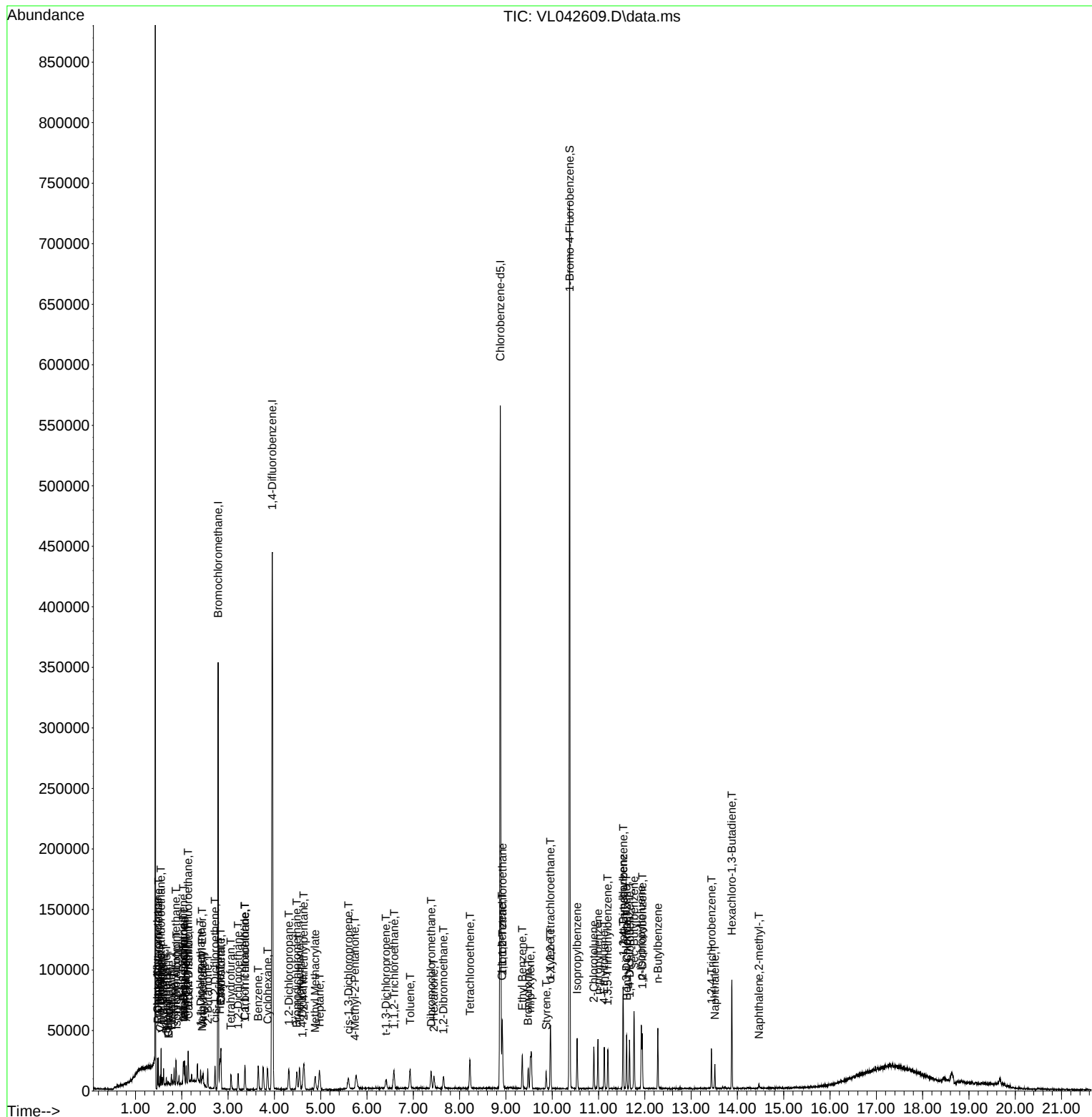
Quant Time: Jun 04 01:50:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
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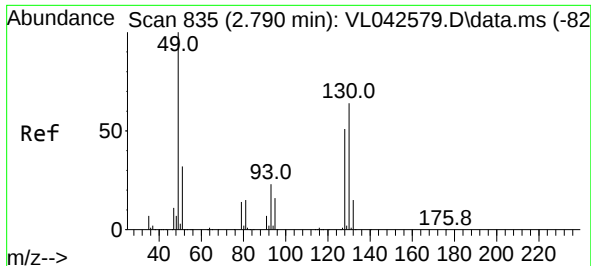
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	3035	0.205	ppbv #	89
47) 1,1,2-Trichloroethane	6.587	97	1747	0.171	ppbv	93
48) Dibromochloromethane	7.386	129	6474	0.396	ppbv	94
49) Bromoform	9.477	173	5435	0.386	ppbv	97
50) 4-Methyl-2-Pentanone	5.739	43	591	0.022	ppbv #	39
51) 2-Hexanone	7.444	43	6744	0.318	ppbv #	99
52) Tetrachloroethene	8.224	164	4198	0.421	ppbv	91
53) Toluene	6.933	91	11057	0.359	ppbv	95
54) 1,2-Dibromoethane	7.645	107	4339	0.287	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.924	131	5241	0.437	ppbv #	1
57) Chlorobenzene	8.917	112	11253	0.486	ppbv	96
58) Ethyl Benzene	9.354	91	14945	0.369	ppbv	95
59) m/p-Xylene	9.529	91	8162	0.256	ppbv #	29
60) o-Xylene	9.959	91	11857	0.373	ppbv	99
61) Styrene	9.872	104	4746	0.316	ppbv	97
62) Isopropylbenzene	10.539	105	17943	0.382	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	9192	0.455	ppbv	96
64) n-propylbenzene	10.989	120	4433	0.352	ppbv	88
65) tert-Butylbenzene	11.529	119	15637	0.367	ppbv	95
66) Benzyl Chloride	11.610	91	1598	0.292	ppbv #	93
67) sec-Butylbenzene	11.765	105	22837	0.382	ppbv	100
69) p-Isopropyltoluene	11.924	119	18086	0.361	ppbv	95
70) n-Butylbenzene	12.280	91	17215	0.348	ppbv	94
71) 2-Chlorotoluene	10.898	91	13302	0.372	ppbv	98
72) 4-Ethyltoluene	11.121	105	14333	0.362	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.199	105	11684	0.357	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.536	105	14197	0.390	ppbv #	92
75) 1,3-Dichlorobenzene	11.603	146	9710	0.425	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	9652	0.424	ppbv	96
77) 1,2-Dichlorobenzene	11.947	146	10515	0.474	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	8870	0.484	ppbv	99
79) Naphthalene	13.513	128	8783	0.256	ppbv	96
80) Naphthalene,2-methyl-	14.465	142	1437	0.093	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	4869	0.254	ppbv	96

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

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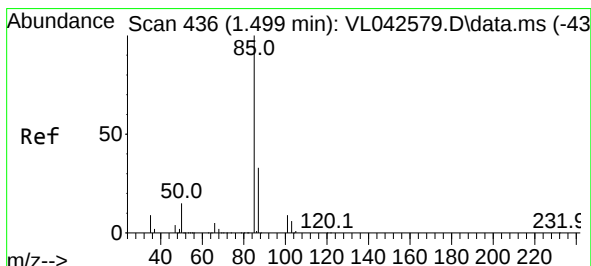
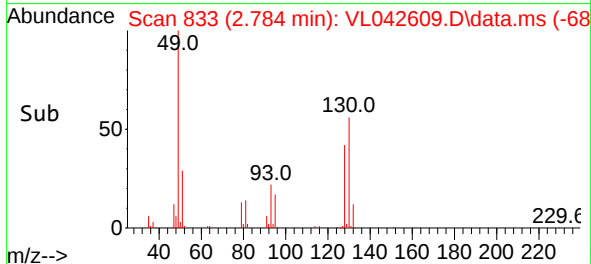
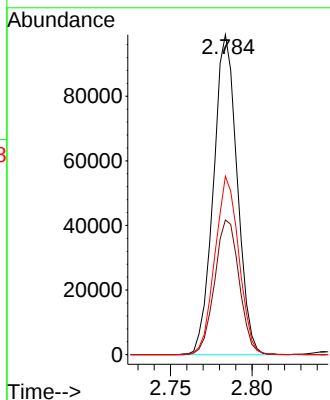
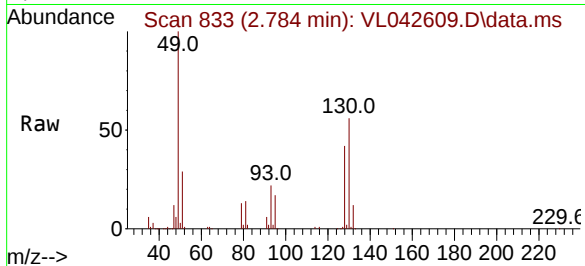




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

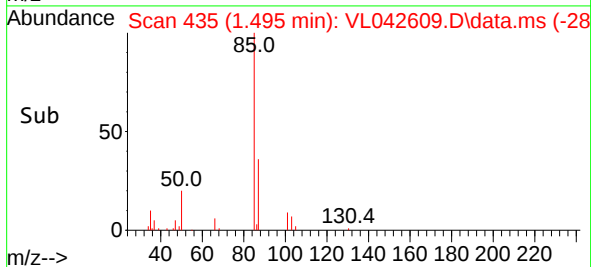
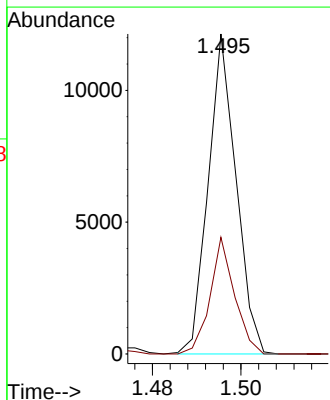
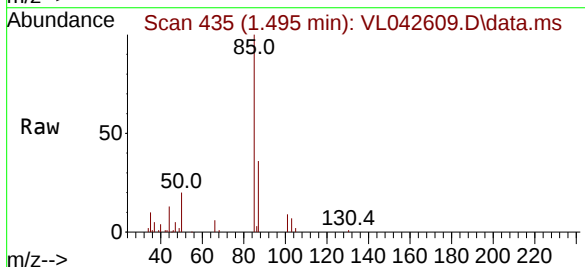
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

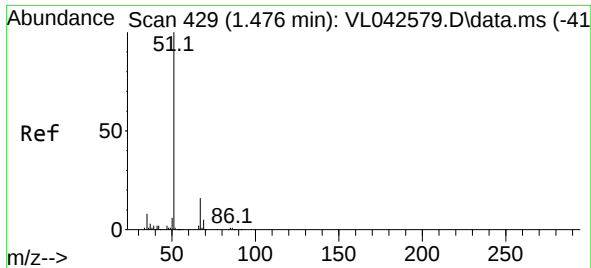
Tgt Ion: 49 Resp: 100090
Ion Ratio Lower Upper
49 100
128 43.7 24.2 72.6
130 56.3 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.432 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 85 Resp: 5309
Ion Ratio Lower Upper
85 100
87 36.4 26.6 39.8

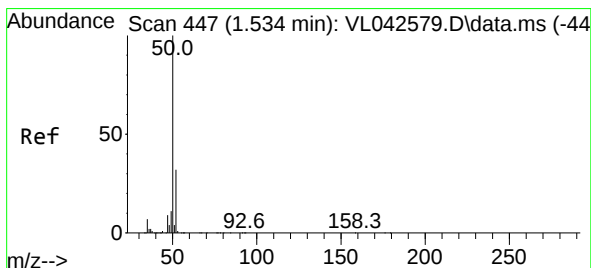
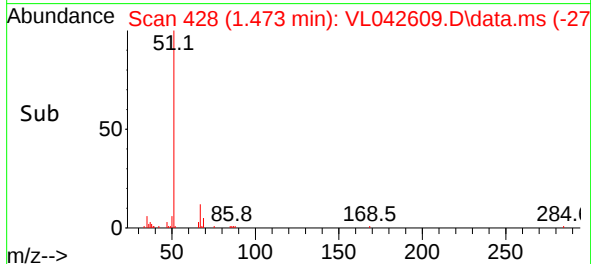
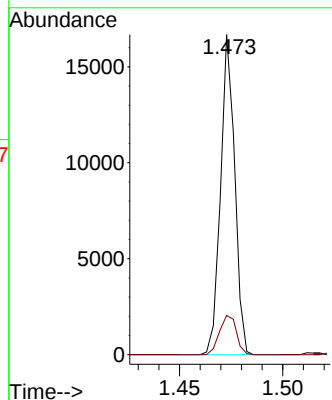
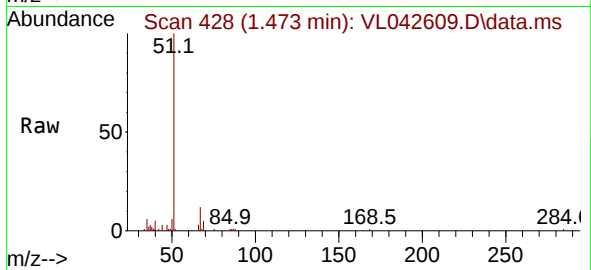




#3
Chlorodifluoromethane
Concen: 0.469 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

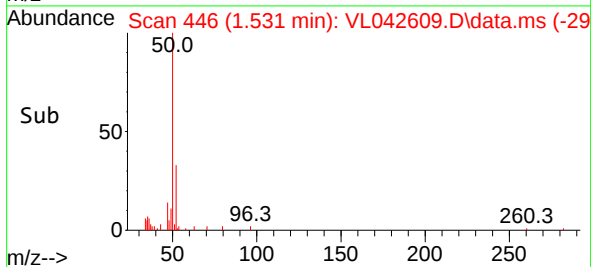
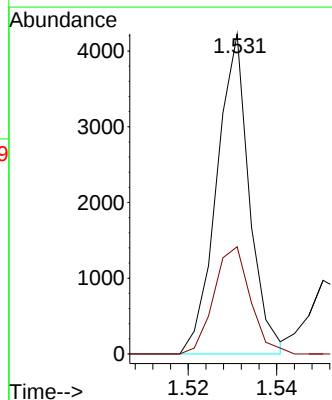
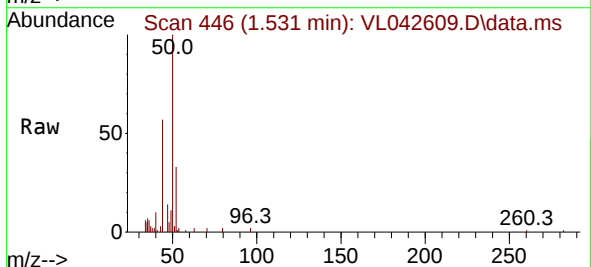
Instrument :
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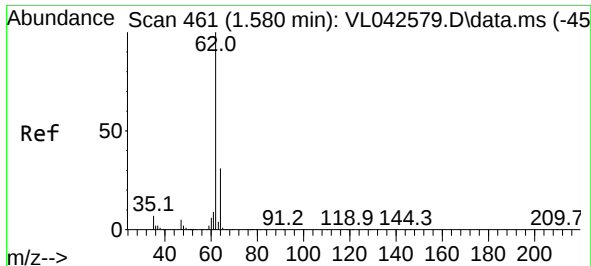
Tgt Ion: 51 Resp: 7944
Ion Ratio Lower Upper
51 100
67 14.6 13.4 20.2



#4
Chloromethane
Concen: 0.445 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 50 Resp: 2167
Ion Ratio Lower Upper
50 100
52 35.4 25.8 38.6

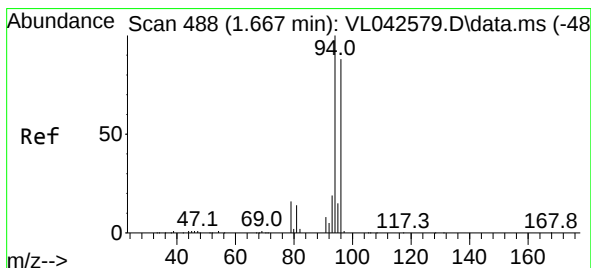
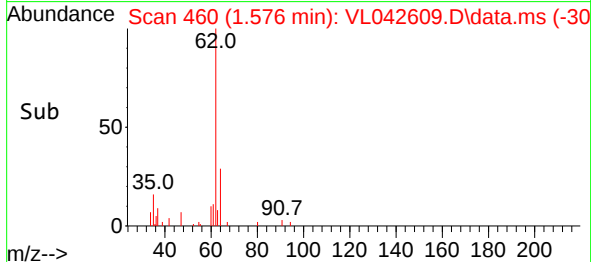
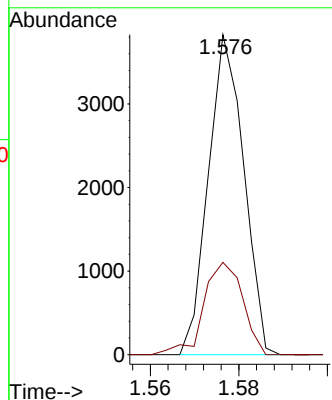
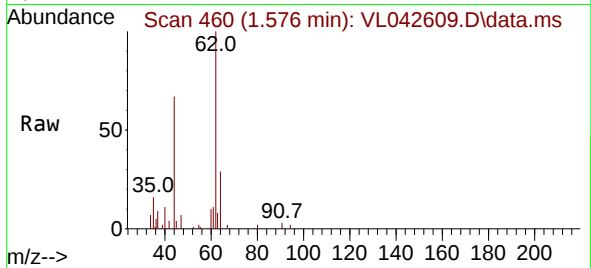




#5
 Vinyl Chloride
 Concen: 0.429 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

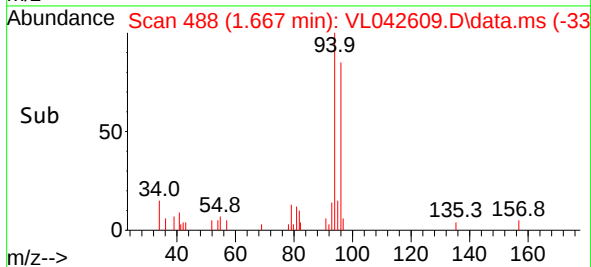
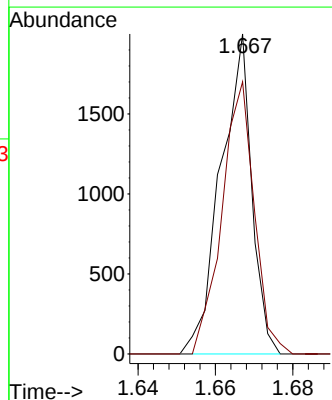
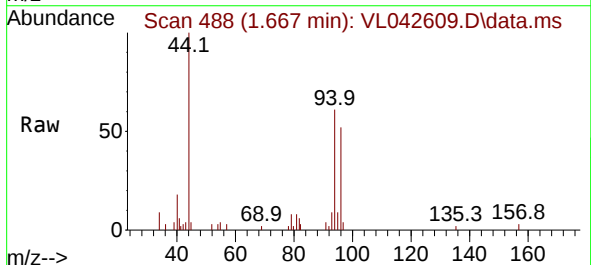
Instrument :
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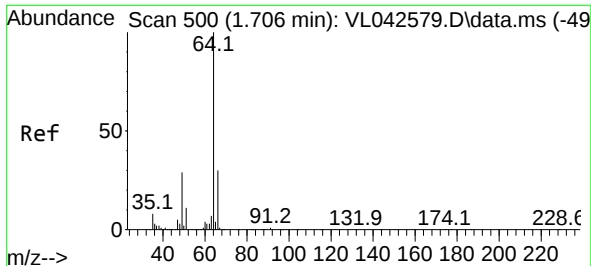
Tgt Ion: 62 Resp: 2127
 Ion Ratio Lower Upper
 62 100
 64 26.8 24.9 37.3



#6
 Bromomethane
 Concen: 0.460 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 94 Resp: 1111
 Ion Ratio Lower Upper
 94 100
 96 85.0 70.7 106.1

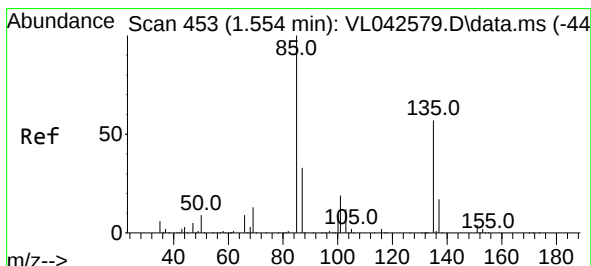
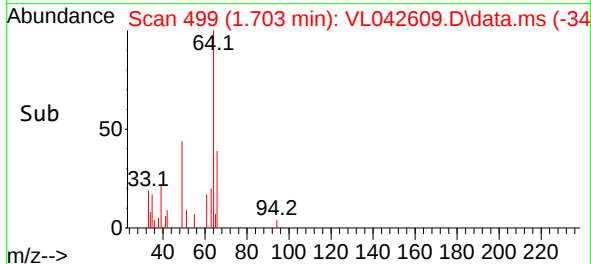
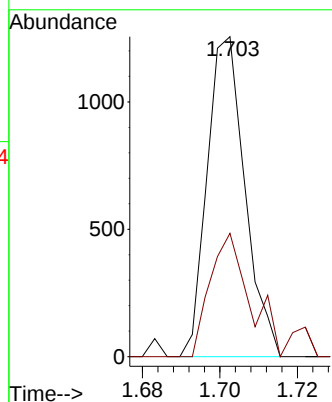
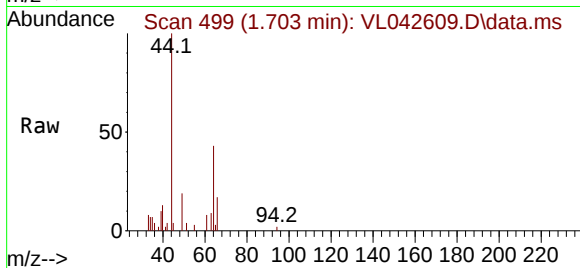




#7
Chloroethane
Concen: 0.441 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

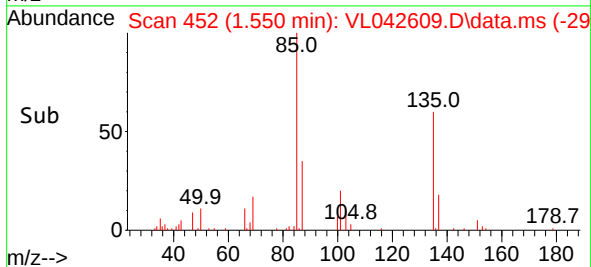
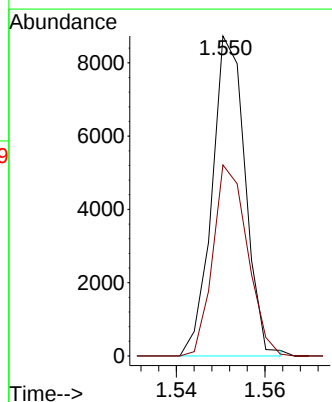
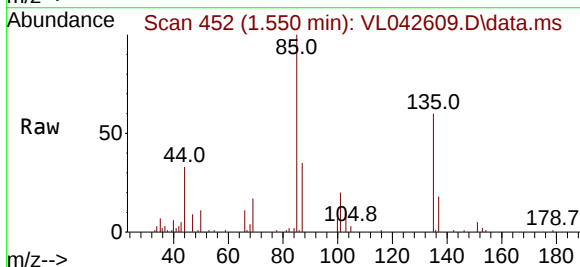
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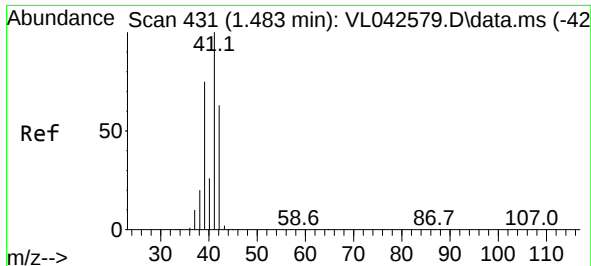
Tgt Ion: 64 Resp: 851
Ion Ratio Lower Upper
64 100
66 38.5 24.3 36.5#



#8
Dichlorotetrafluoroethane
Concen: 0.444 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 85 Resp: 4547
Ion Ratio Lower Upper
85 100
135 62.3 50.2 75.4





#9

Propene

Concen: 0.396 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

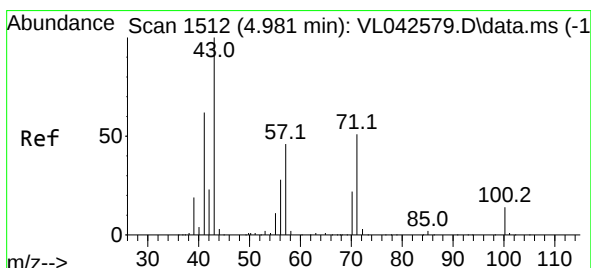
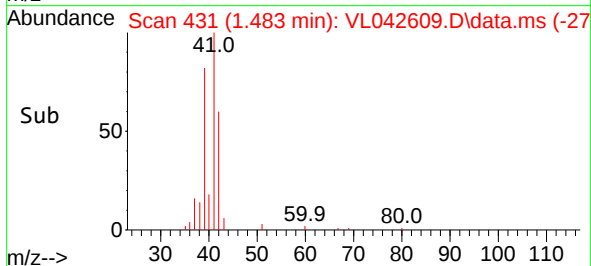
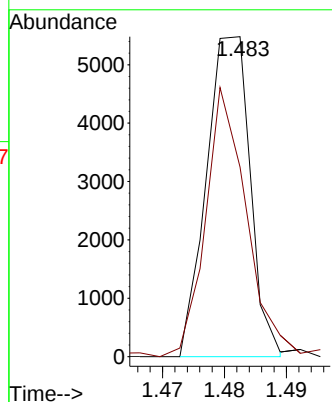
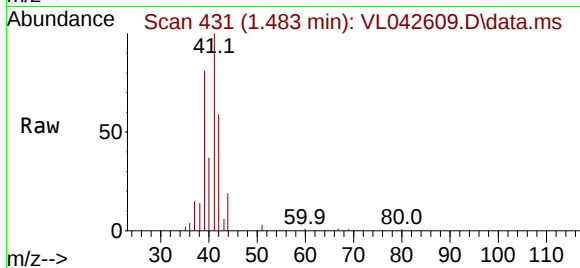
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 41 Resp: 2699

Ion Ratio Lower Upper

41 100

42 87.0 53.3 79.9#



#10

Heptane

Concen: 0.027 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.007 min

Lab File: VL042609.D

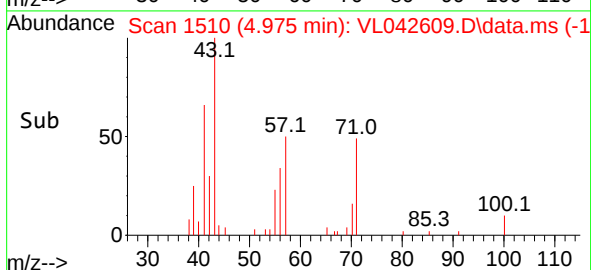
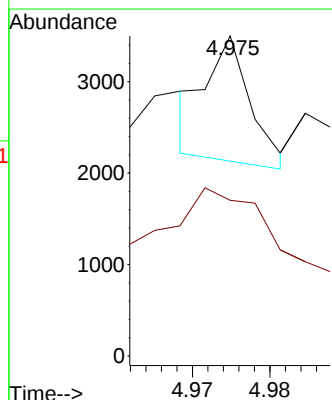
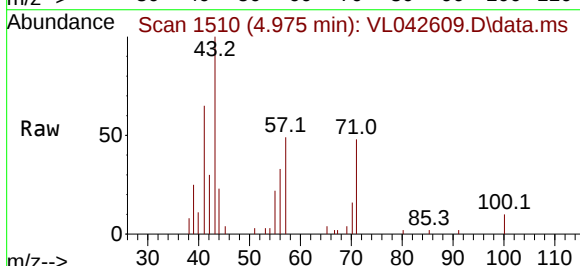
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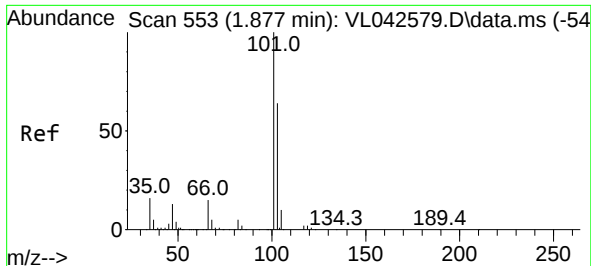
Tgt Ion: 43 Resp: 523

Ion Ratio Lower Upper

43 100

57 684.3 38.9 58.3#

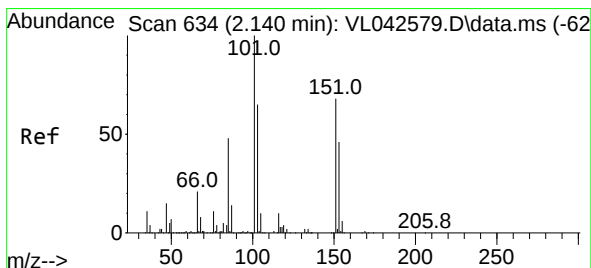
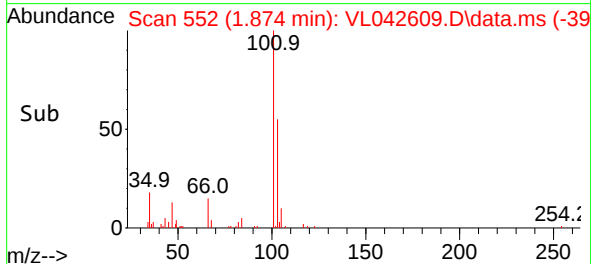
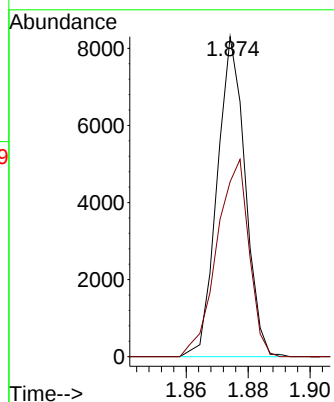
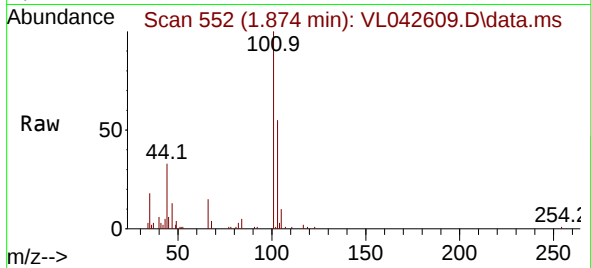




#11
Trichlorofluoromethane
Concen: 0.455 ppbv
RT: 1.874 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

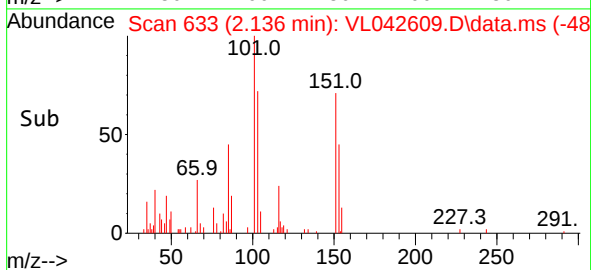
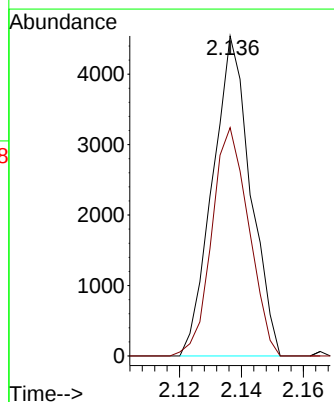
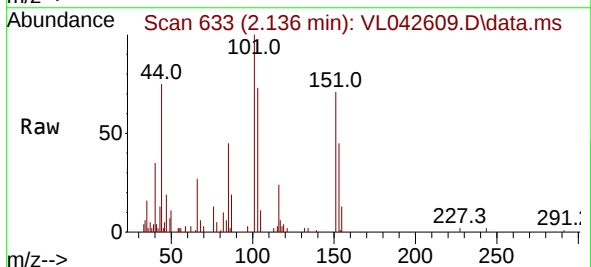
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

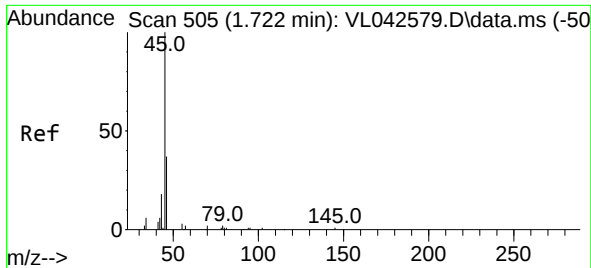
Tgt Ion:101 Resp: 5211
Ion Ratio Lower Upper
101 100
103 54.7 51.5 77.3



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.430 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:101 Resp: 3862
Ion Ratio Lower Upper
101 100
151 69.3 55.3 82.9

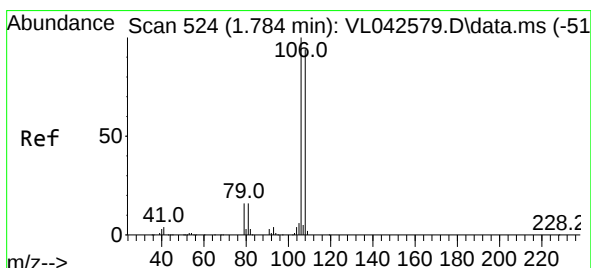
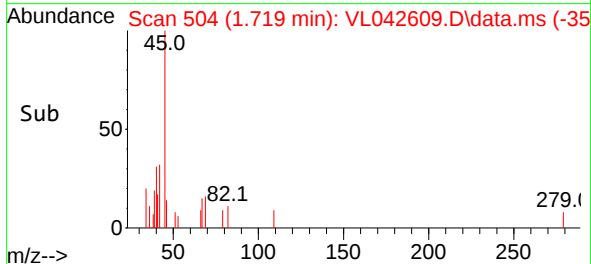
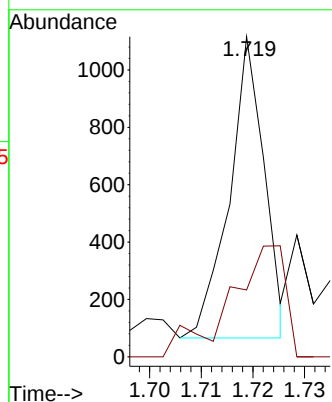
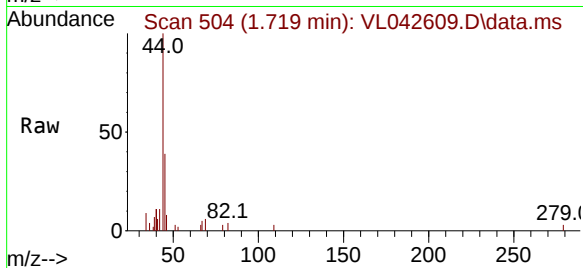




#13
Ethanol
Concen: 0.606 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

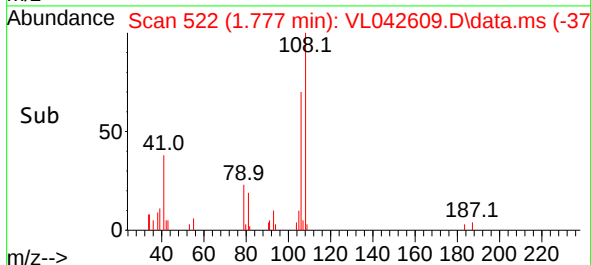
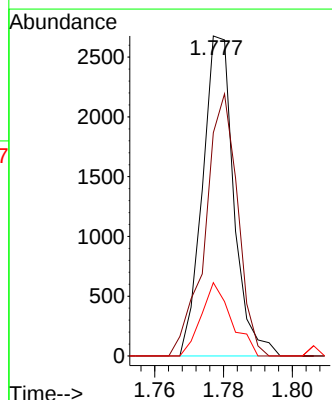
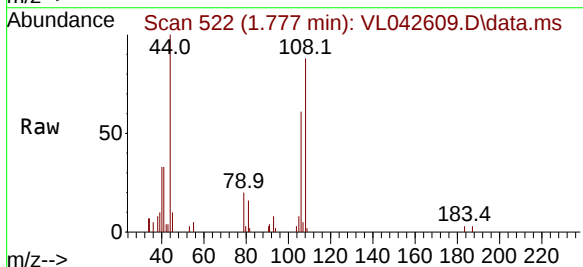
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 45 Resp: 493
Ion Ratio Lower Upper
45 100
46 67.7 14.5 58.1#



#14
Bromoethene
Concen: 0.501 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:108 Resp: 1693
Ion Ratio Lower Upper
108 100
106 84.9 87.9 131.9#
79 24.2 15.6 23.4#

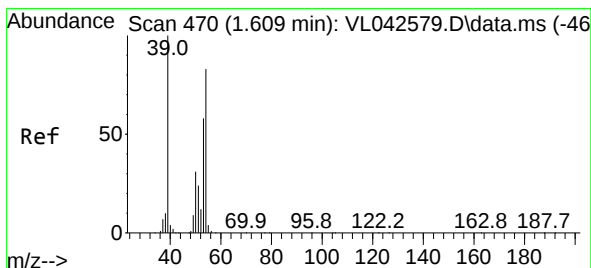
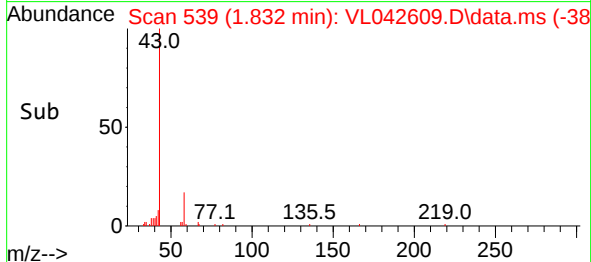
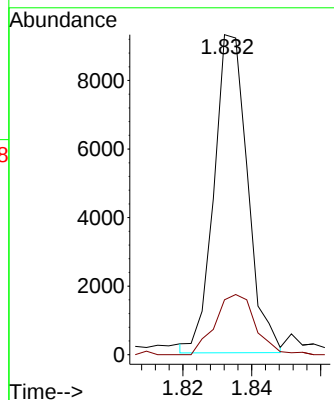
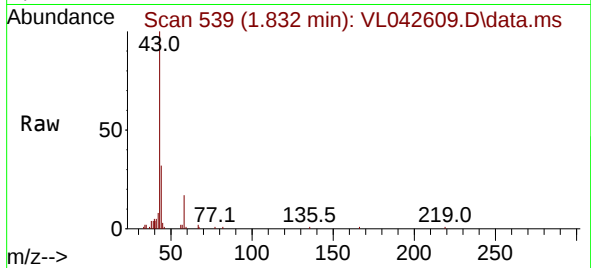




#15
Acetone
Concen: 0.520 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

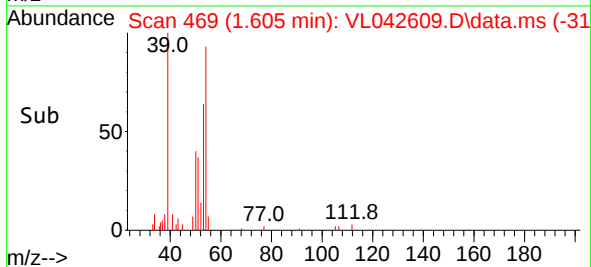
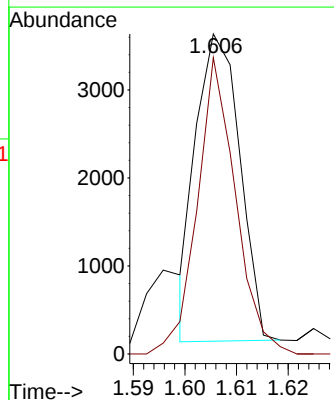
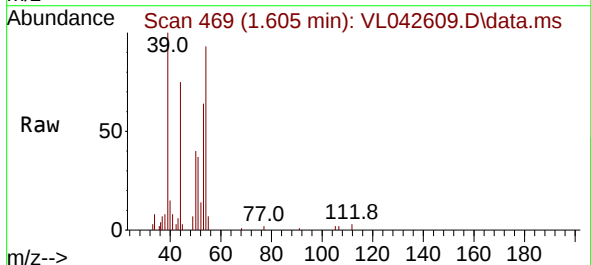
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 43 Resp: 6264
Ion Ratio Lower Upper
43 100
58 23.2 21.0 31.4



#16
1,3-Butadiene
Concen: 0.359 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 39 Resp: 2050
Ion Ratio Lower Upper
39 100
54 84.9 57.9 86.9





#17

tert-Butyl alcohol

Concen: 0.400 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_1

ClientSampleId :

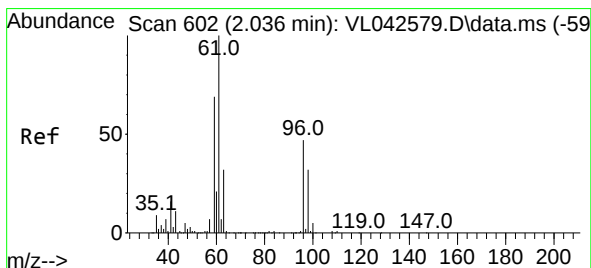
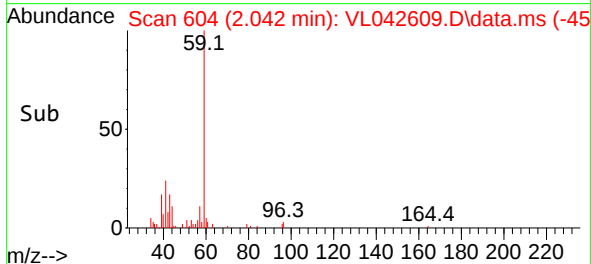
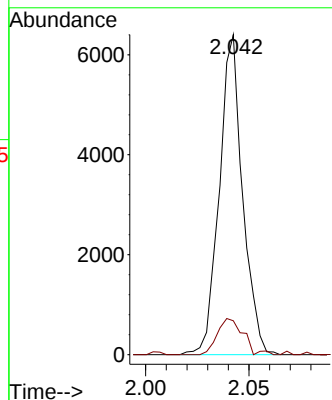
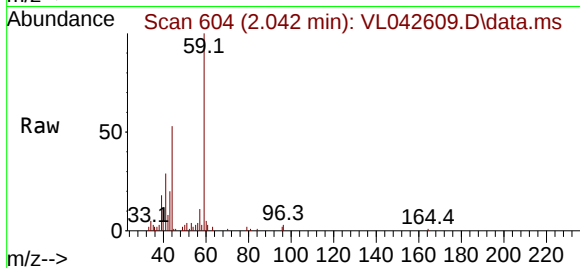
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 59 Resp: 5028

Ion Ratio Lower Upper

59 100

57 13.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.437 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

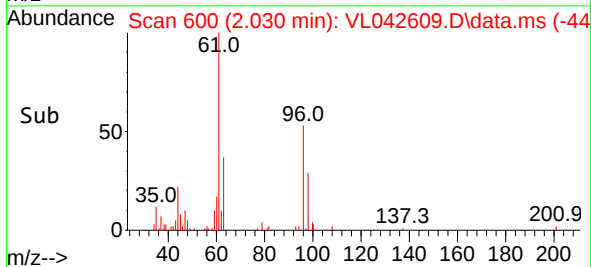
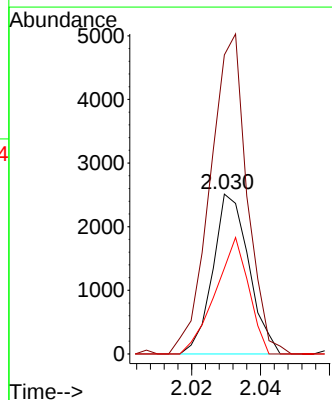
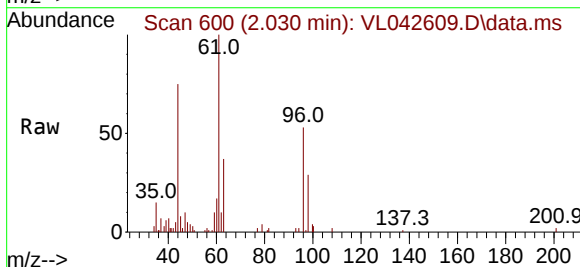
Tgt Ion: 96 Resp: 1821

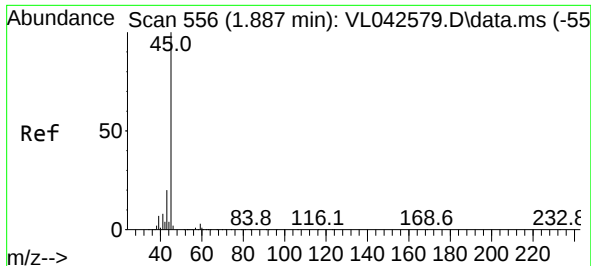
Ion Ratio Lower Upper

96 100

61 182.3 171.1 256.7

98 53.7 54.4 81.6#

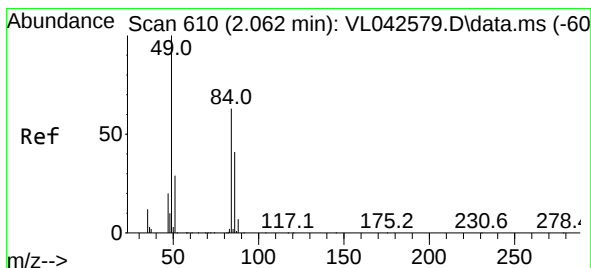
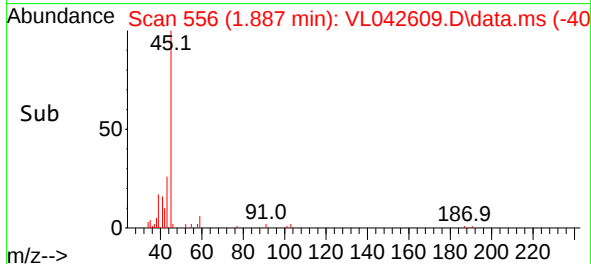
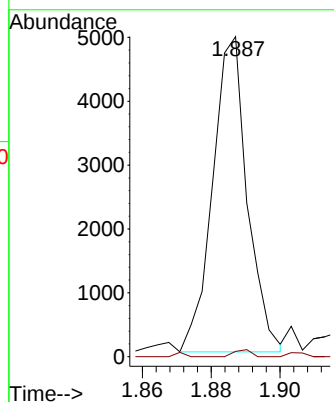
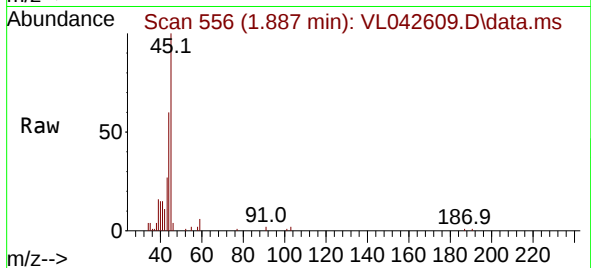




#19
Isopropyl Alcohol
Concen: 0.479 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

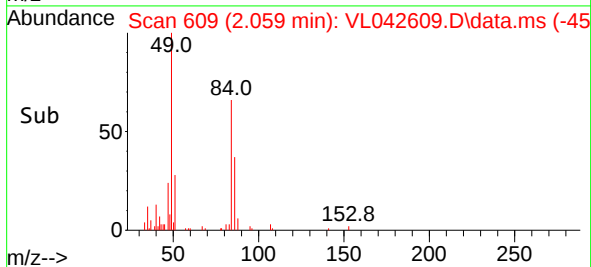
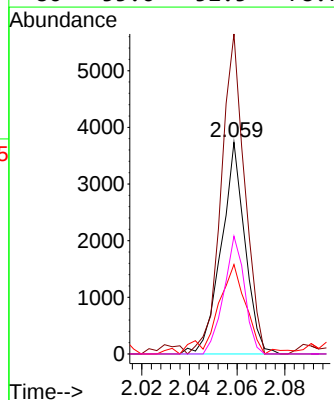
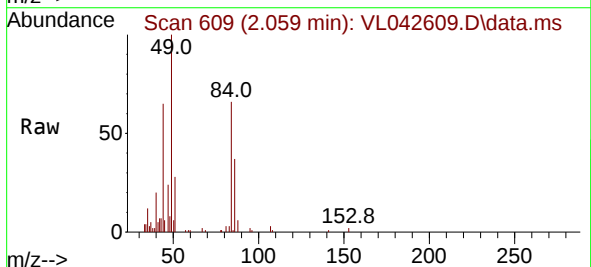
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

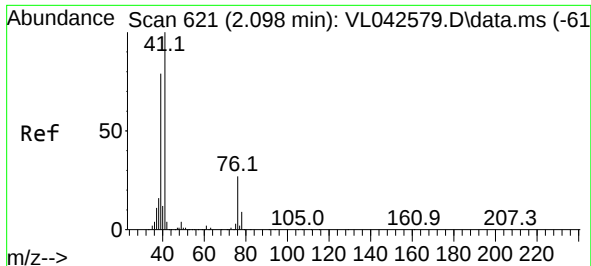
Tgt Ion: 45 Resp: 3454
Ion Ratio Lower Upper
45 100
58 2.1 29.4 44.2#



#20
Methylene Chloride
Concen: 0.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 84 Resp: 2591
Ion Ratio Lower Upper
84 100
49 148.6 128.8 193.2
51 42.3 38.6 57.8
86 55.6 52.5 78.7

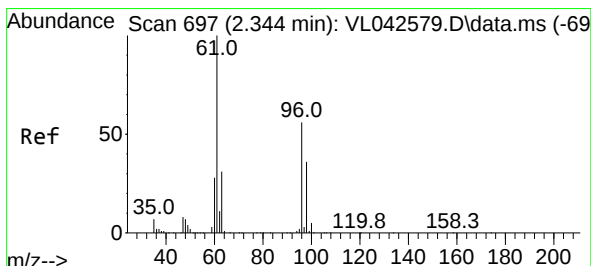
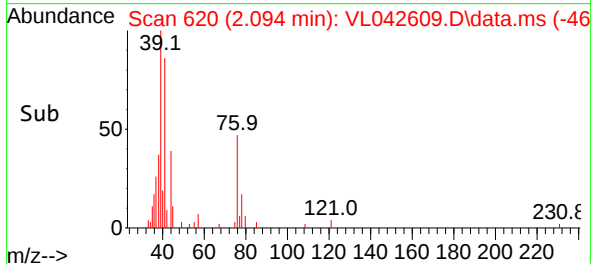
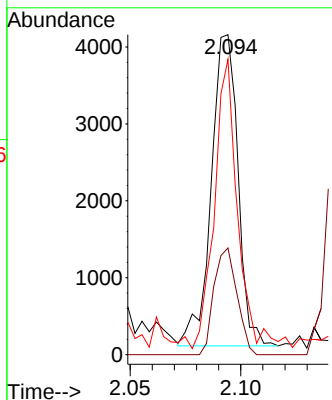
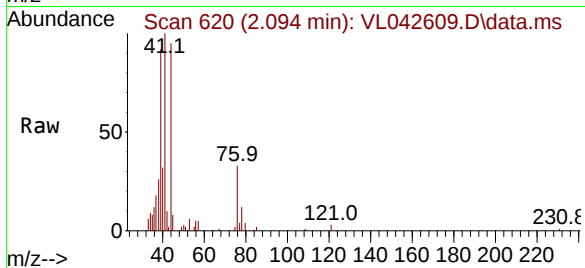




#21
 Allyl Chloride
 Concen: 0.400 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

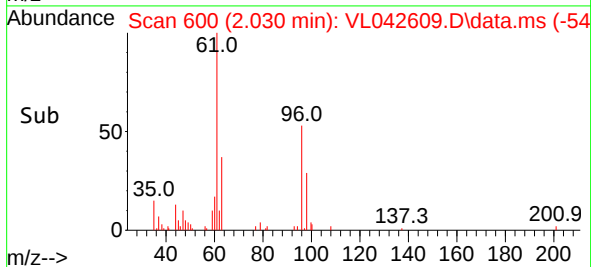
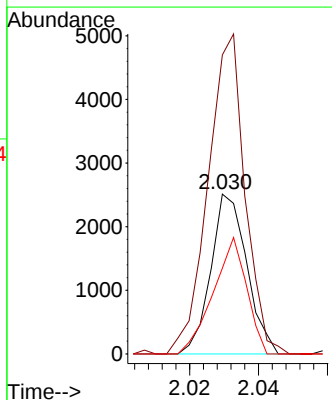
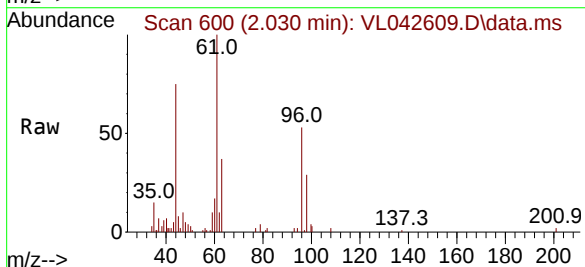
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

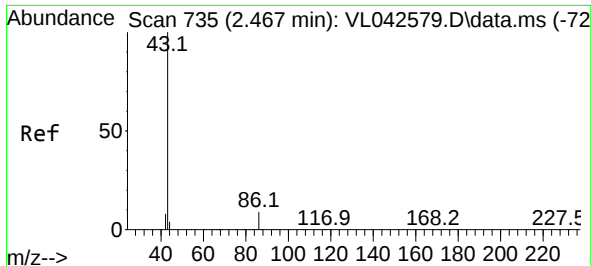
Tgt Ion: 41	Resp:	3400	
Ion	Ratio	Lower	Upper
41	100		
76	29.5	21.2	31.8
39	88.8	60.9	91.3



#22
 trans-1,2-Dichloroethene
 Concen: 0.391 ppbv
 RT: 2.030 min Scan# 600
 Delta R.T. -0.314 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 96	Resp:	1821	
Ion	Ratio	Lower	Upper
96	100		
61	182.3	142.6	214.0
98	53.7	51.0	76.4

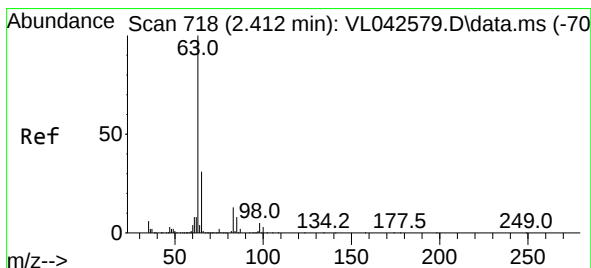
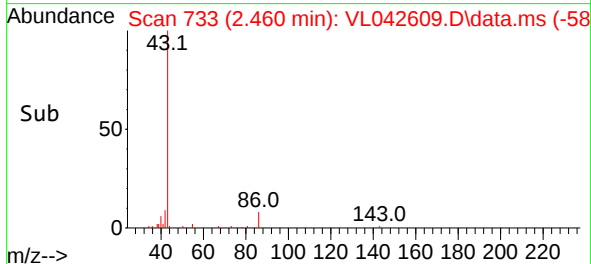
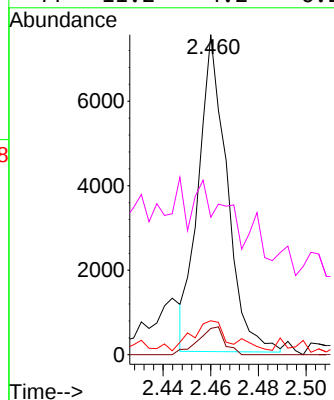
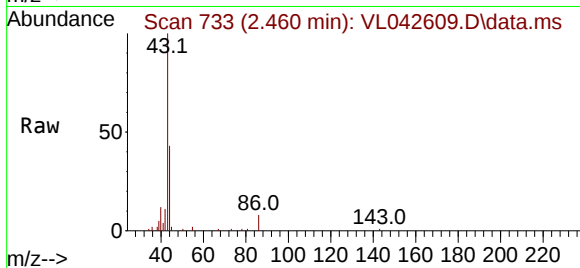




#23
 Vinyl Acetate
 Concen: 0.385 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

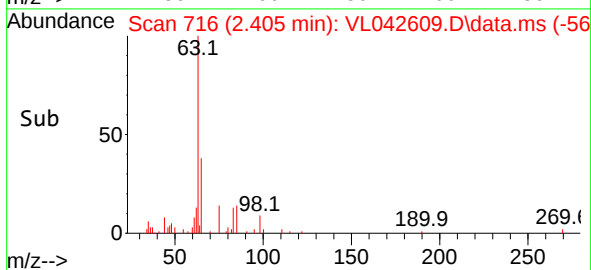
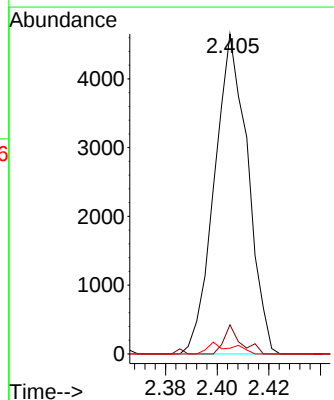
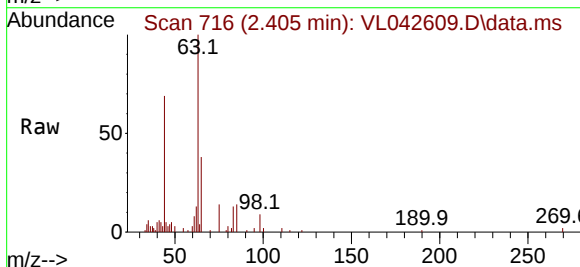
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Tgt Ion:	43	Resp:	6275
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8
42	6.9	7.0	10.4#
44	11.2	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.436 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion:	63	Resp:	4171
Ion	Ratio	Lower	Upper
63	100		
98	9.1	2.4	7.1#
100	1.8	1.4	4.0

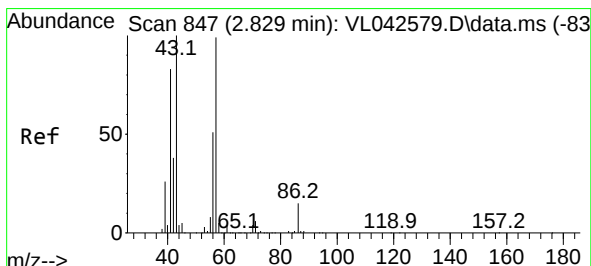
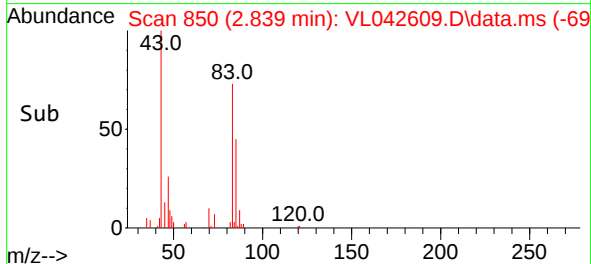
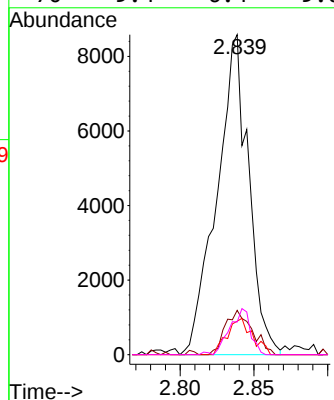
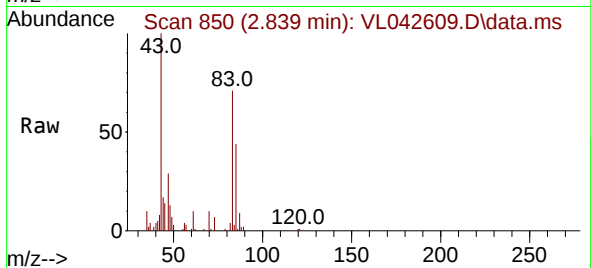




#25
Ethyl Acetate
Concen: 0.390 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

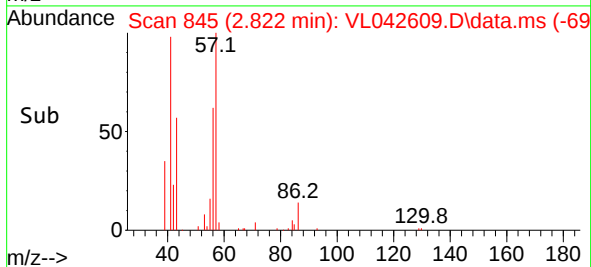
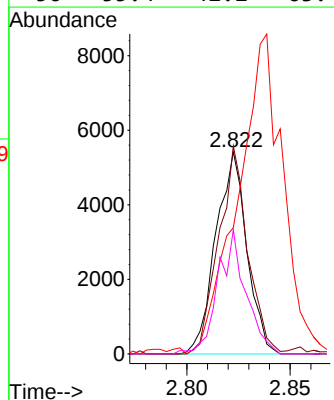
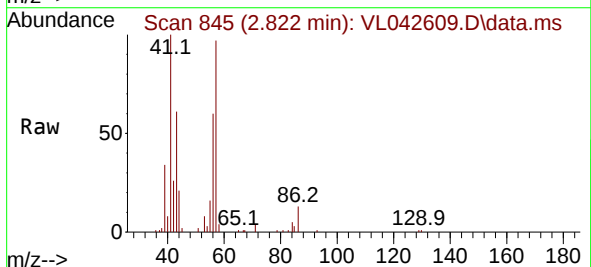
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

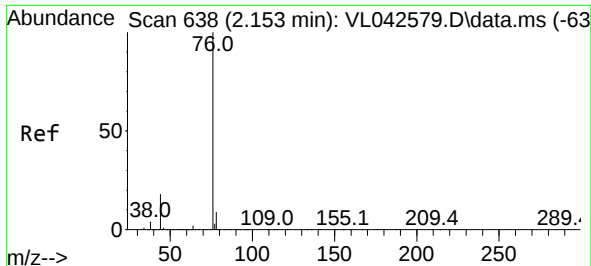
Tgt Ion: 43	Resp: 12852
Ion Ratio	Lower Upper
43 100	
45 12.1	8.2 12.2
61 8.9	7.1 10.7
70 9.4	6.4 9.6



#26
Hexane
Concen: 0.377 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 57	Resp: 5653
Ion Ratio	Lower Upper
57 100	
41 100.7	70.6 106.0
43 234.8	181.1 271.7
56 55.4	42.2 63.4

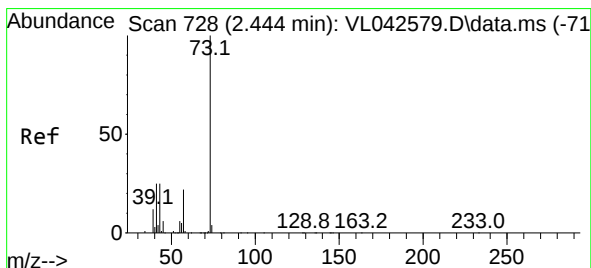
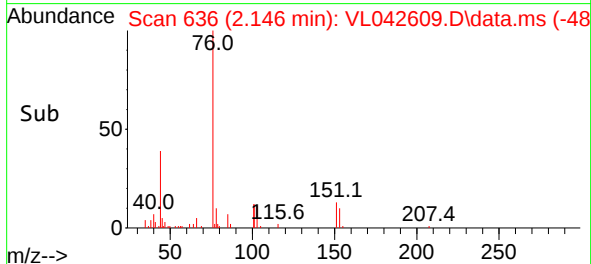
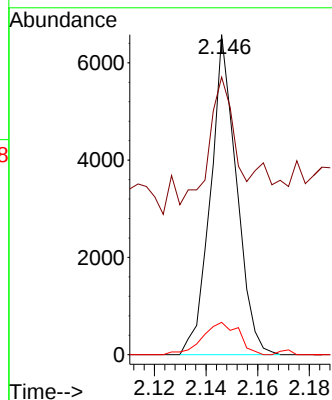
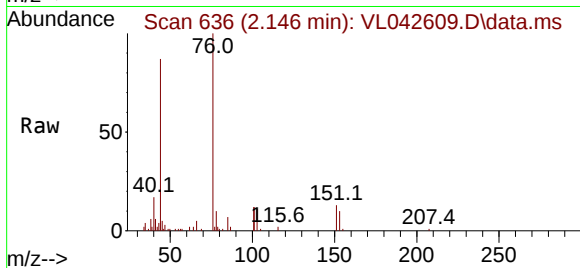




#27
Carbon Disulfide
Concen: 0.400 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

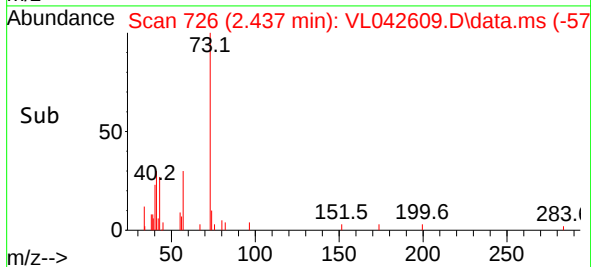
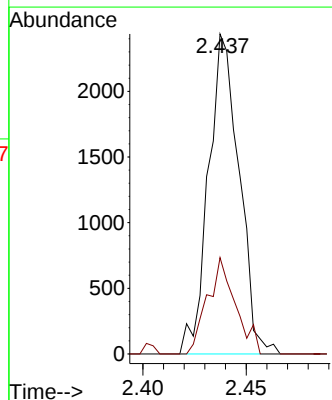
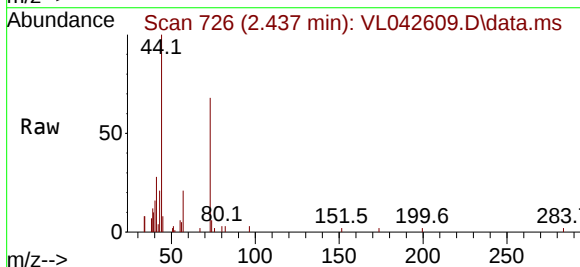
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

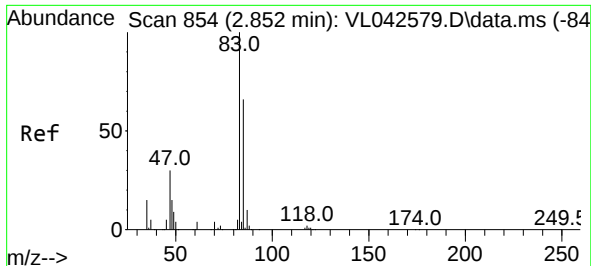
Tgt Ion: 76 Resp: 4609
Ion Ratio Lower Upper
76 100
44 208.8 21.3 31.9#
78 14.9 9.4 14.0#



#28
Methyl tert-Butyl Ether
Concen: 0.414 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 73 Resp: 2518
Ion Ratio Lower Upper
73 100
57 28.6 19.9 29.9





#29

Chloroform

Concen: 0.454 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

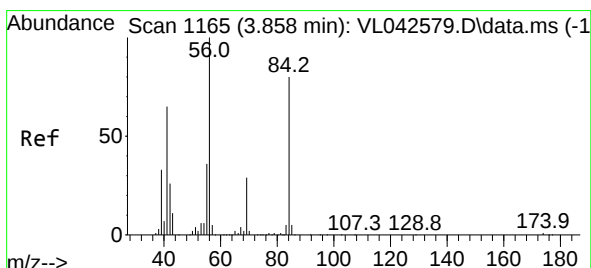
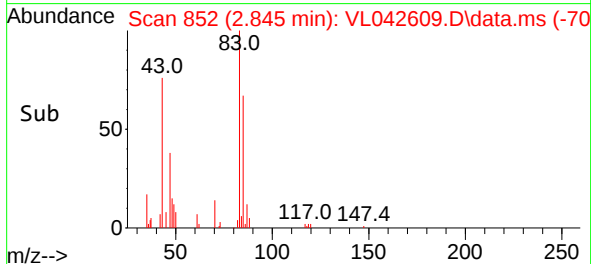
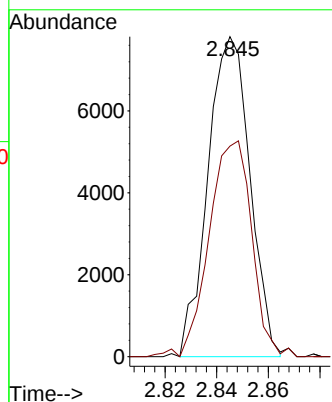
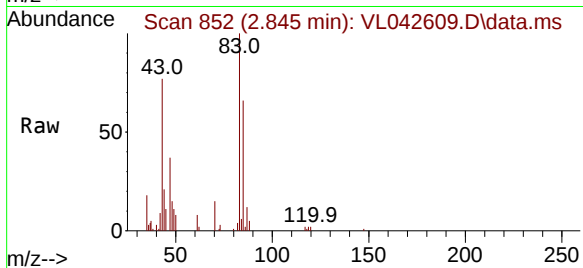
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 83 Resp: 8849

Ion Ratio Lower Upper

83 100

85 65.8 52.8 79.2



#30

Cyclohexane

Concen: 0.275 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

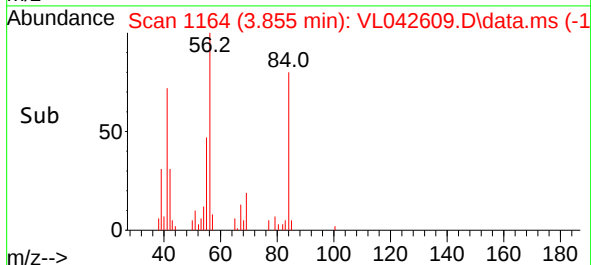
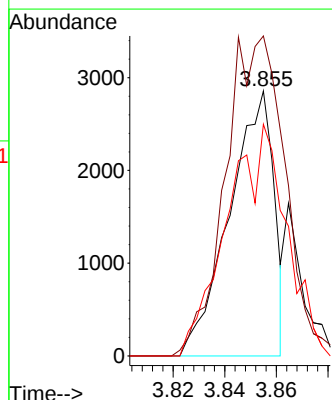
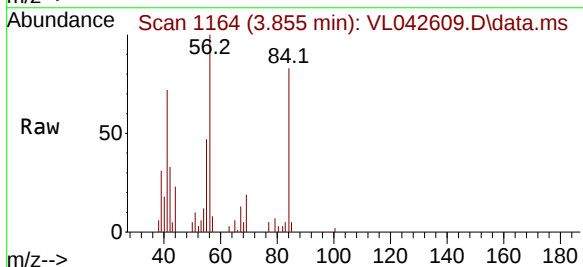
Tgt Ion: 84 Resp: 3422

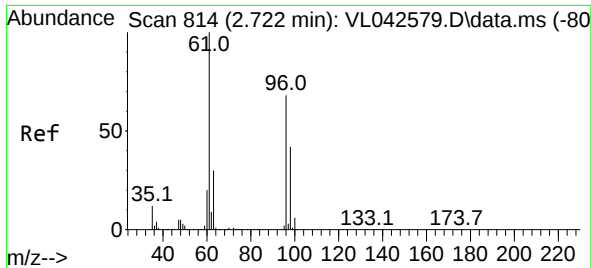
Ion Ratio Lower Upper

84 100

56 161.8 103.7 155.5#

41 117.8 65.1 97.7#

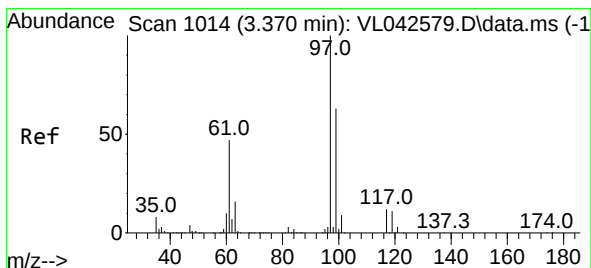
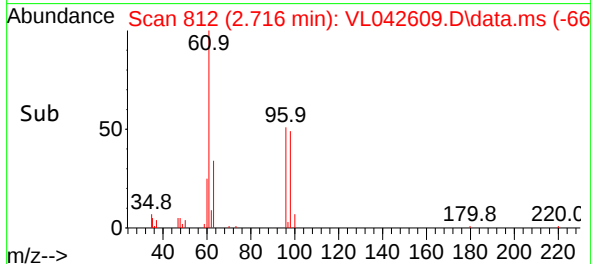
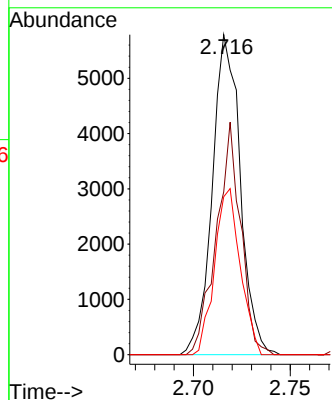
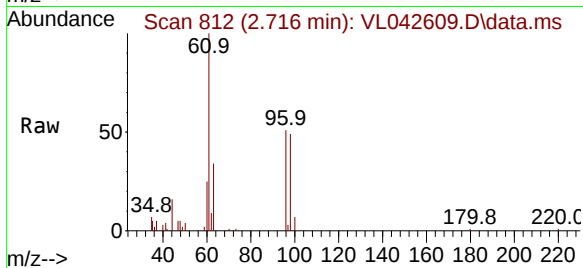




#31
 cis-1,2-Dichloroethene
 Concen: 0.423 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

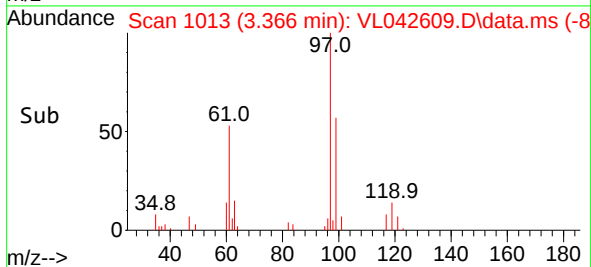
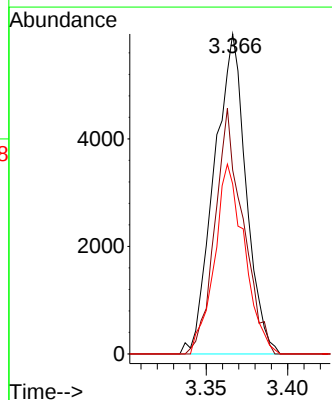
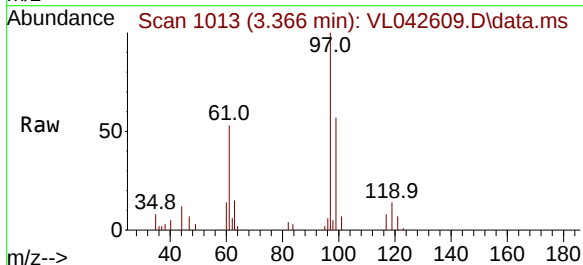
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 61 Resp: 5807
 Ion Ratio Lower Upper
 61 100
 96 50.9 54.5 81.7#
 98 49.4 33.4 50.2



#32
 1,1,1-Trichloroethane
 Concen: 0.406 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 97 Resp: 8081
 Ion Ratio Lower Upper
 97 100
 99 67.6 51.0 76.6
 61 55.8 39.4 59.0

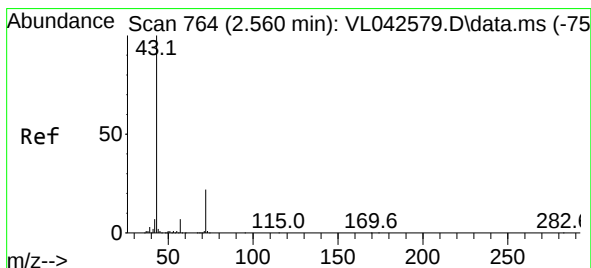
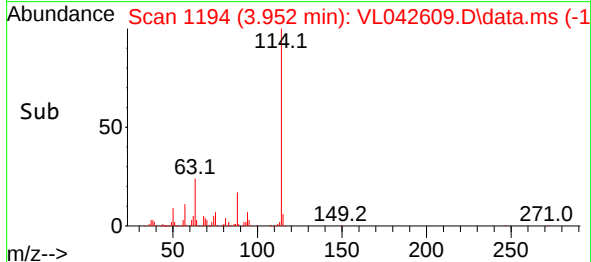
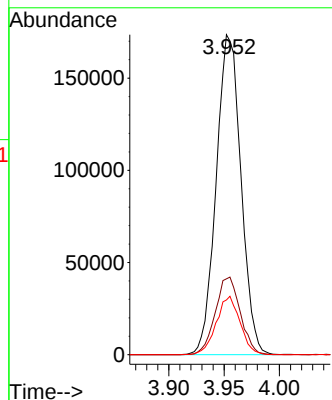
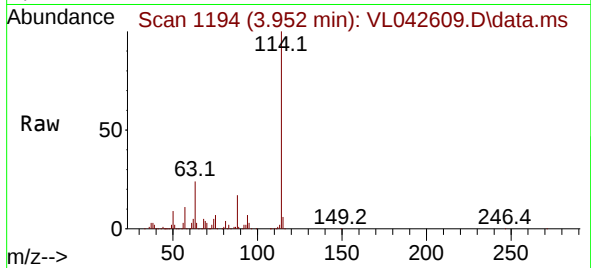




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

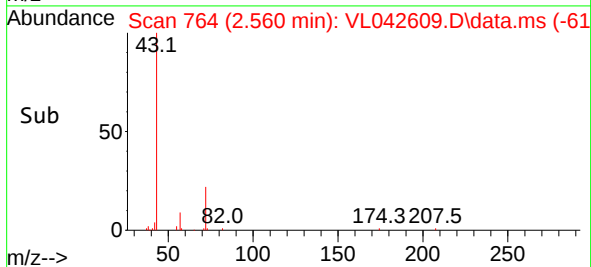
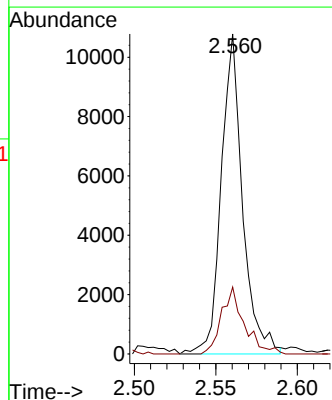
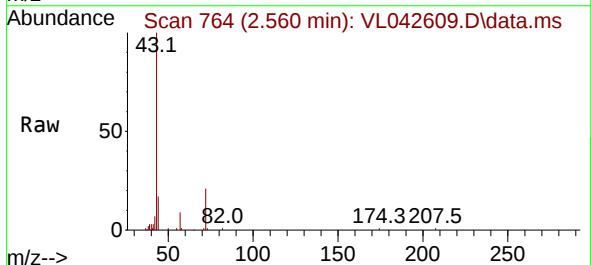
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

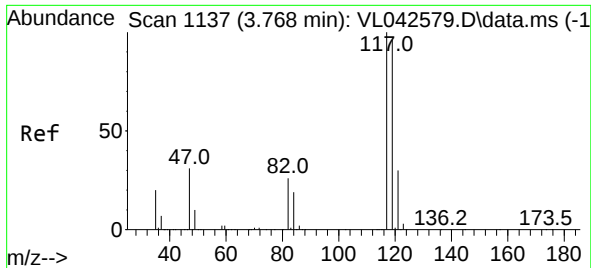
Tgt Ion:114 Resp: 270695
Ion Ratio Lower Upper
114 100
63 24.4 19.0 28.6
88 17.5 13.6 20.4



#34
2-Butanone
Concen: 0.508 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 43 Resp: 9808
Ion Ratio Lower Upper
43 100
72 22.3 17.7 26.5

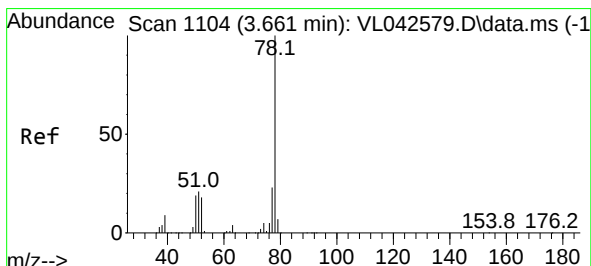
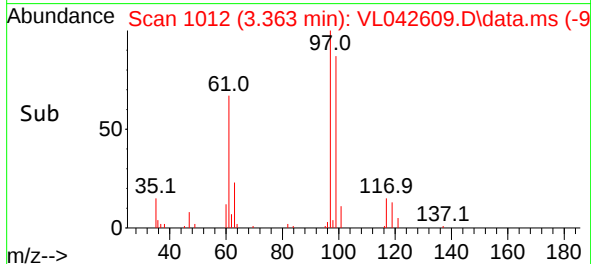
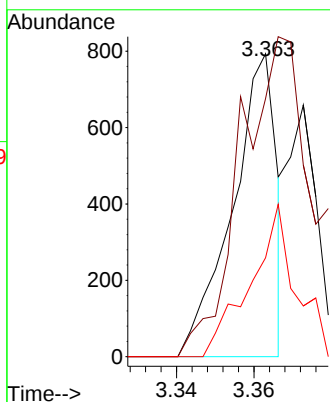
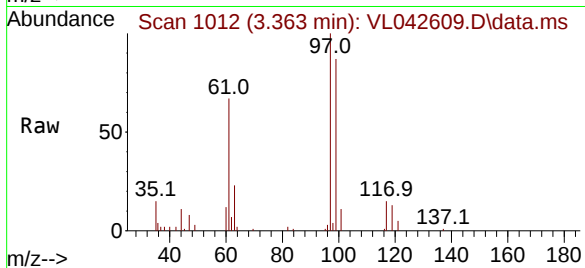




#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 3.363 min Scan# 1101
Delta R.T. -0.405 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

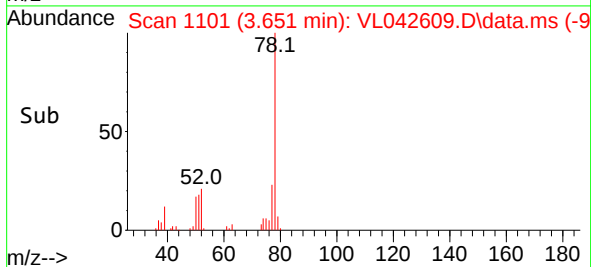
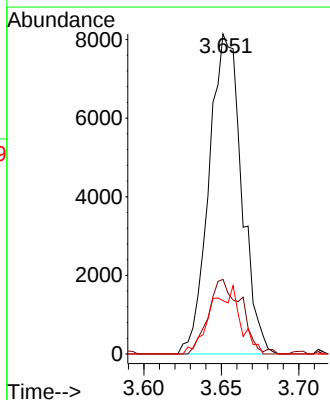
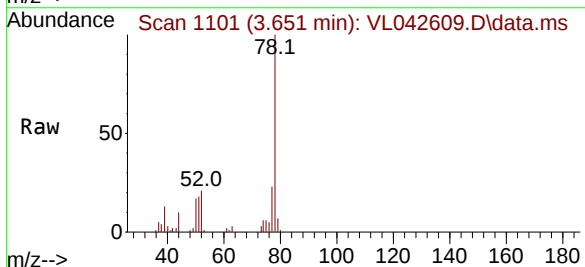
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

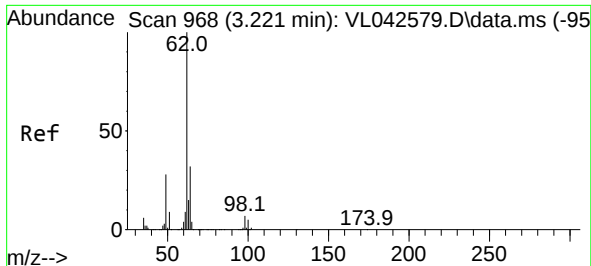
Tgt Ion:117	Resp:	629	
Ion	Ratio	Lower	Upper
117	100		
119	85.2	76.8	115.2
121	32.7	24.3	36.5



#36
Benzene
Concen: 0.447 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 78	Resp:	11914	
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	16.7	15.2	22.8





#37

1,2-Dichloroethane

Concen: 0.499 ppbv

RT: 3.217 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

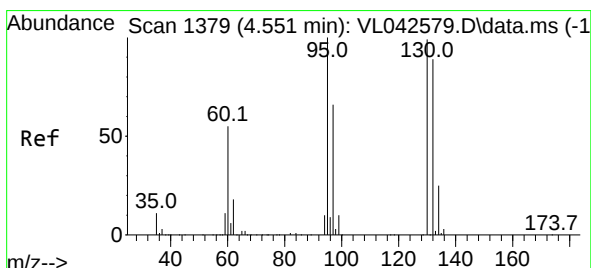
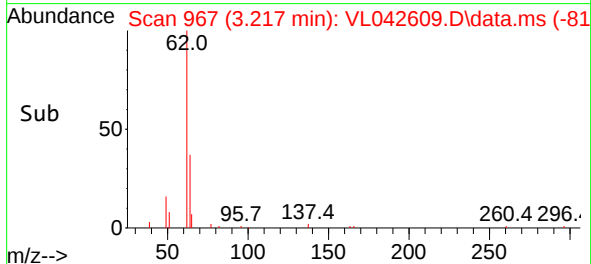
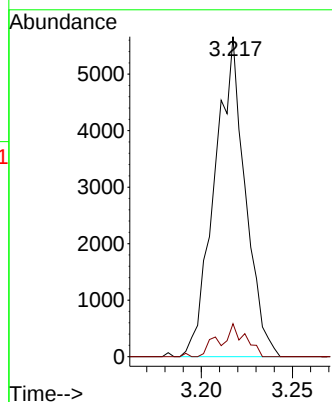
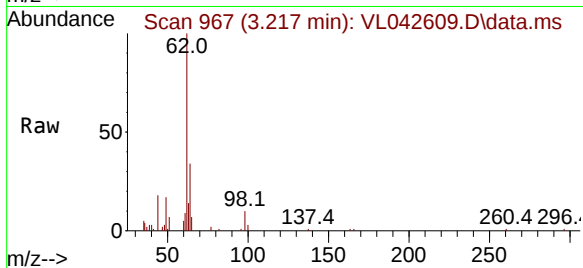
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 62 Resp: 6616

Ion Ratio Lower Upper

62 100

98 8.6 6.1 9.1



#38

Trichloroethene

Concen: 0.417 ppbv

RT: 4.544 min Scan# 1377

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion:130 Resp: 4724

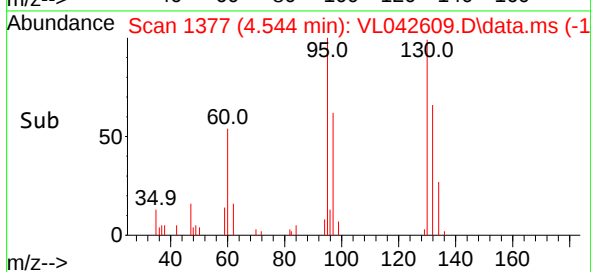
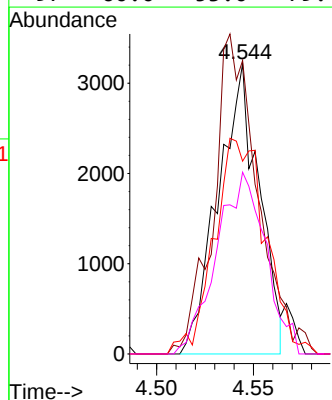
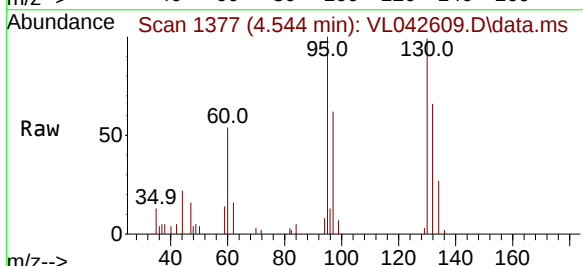
Ion Ratio Lower Upper

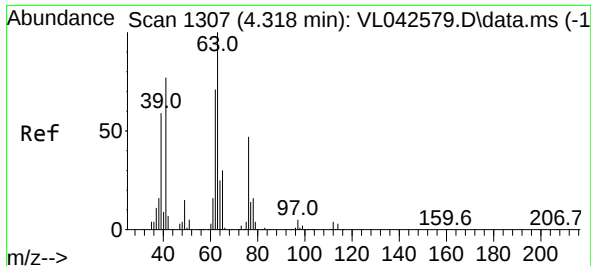
130 100

95 98.7 80.6 121.0

132 62.0 71.8 107.6#

97 60.0 53.0 79.4





#39

1,2-Dichloropropane

Concen: 0.484 ppbv

RT: 4.311 min Scan# 1307

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

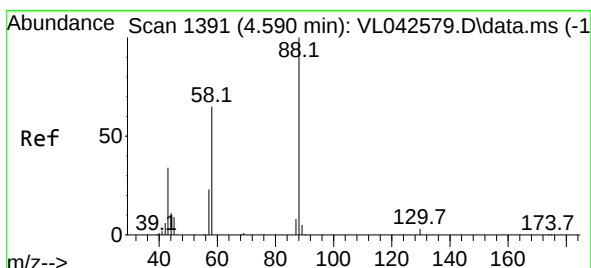
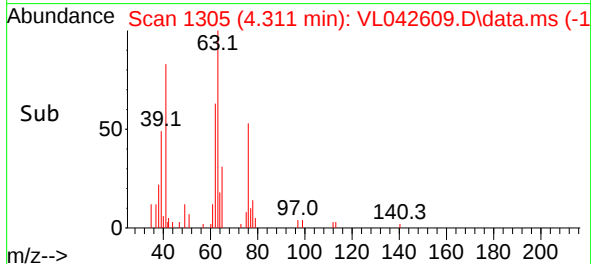
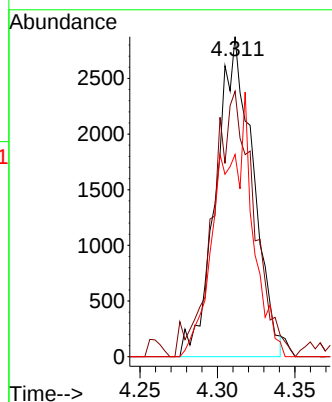
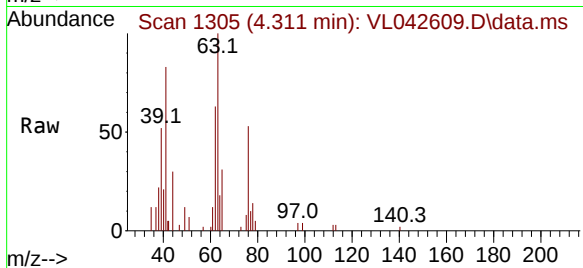
Tgt Ion: 63 Resp: 4768

Ion Ratio Lower Upper

63 100

41 76.2 61.8 92.6

62 63.2 56.6 85.0



#40

1,4-Dioxane

Concen: 0.336 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.016 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion: 88 Resp: 1480

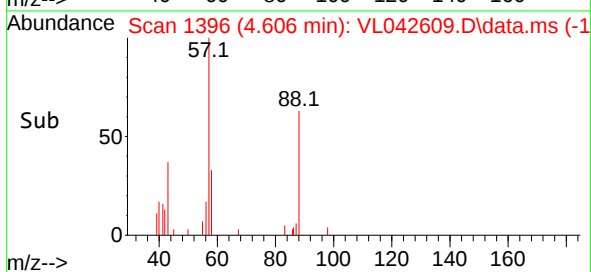
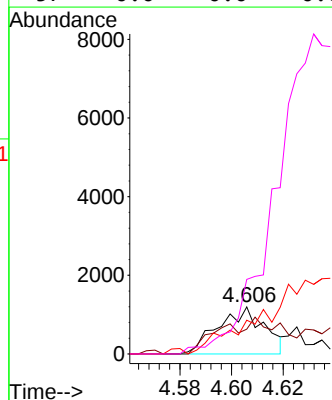
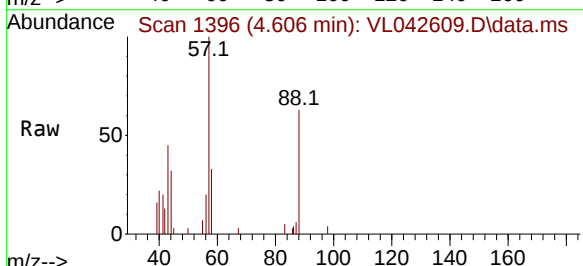
Ion Ratio Lower Upper

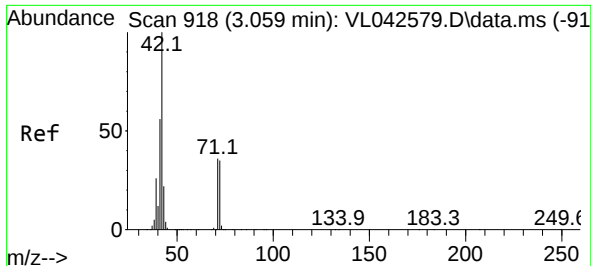
88 100

58 160.5 55.8 83.8#

43 0.0 24.8 37.2#

57 0.0 0.0 0.0

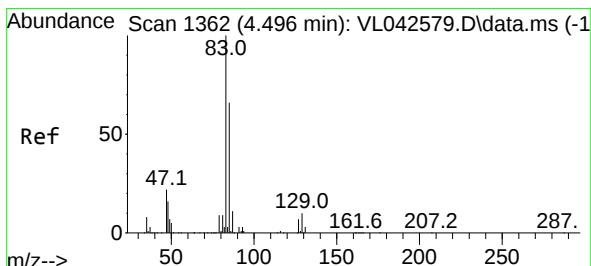
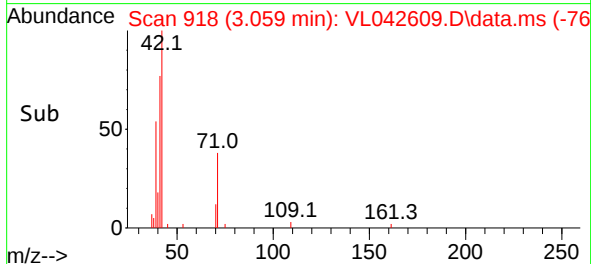
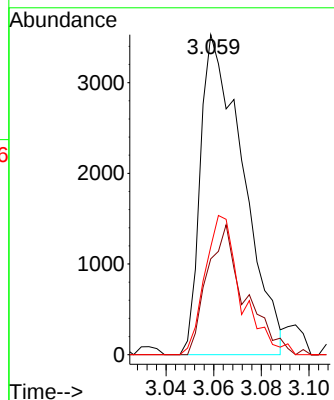
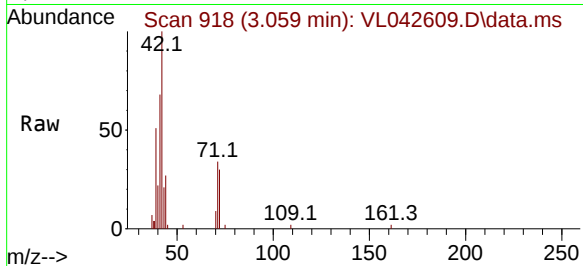




#41
Tetrahydrofuran
Concen: 0.387 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

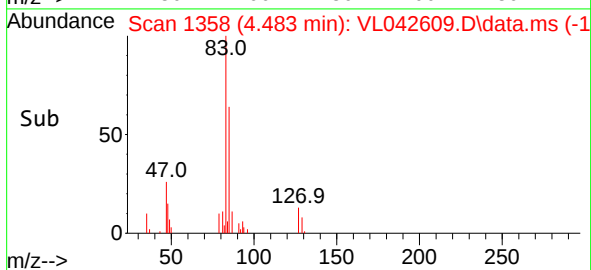
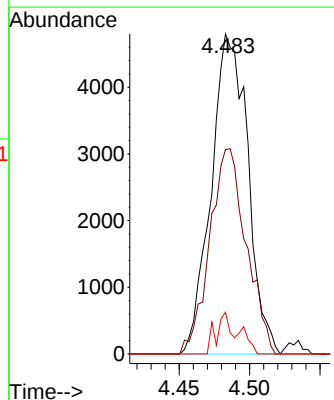
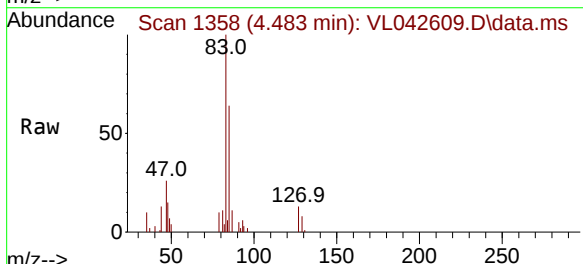
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

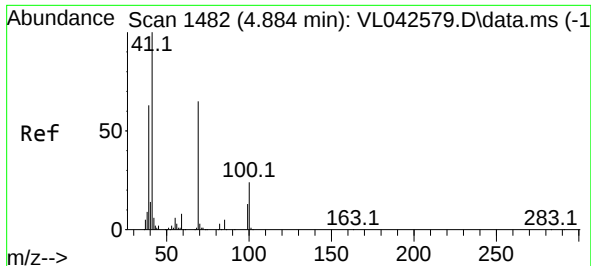
Tgt Ion:	42	Resp:	4377
Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.9	43.3
71	37.1	28.5	42.7



#42
Bromodichloromethane
Concen: 0.462 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.013 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:	83	Resp:	8684
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.7	79.1
127	13.0	5.8	8.6

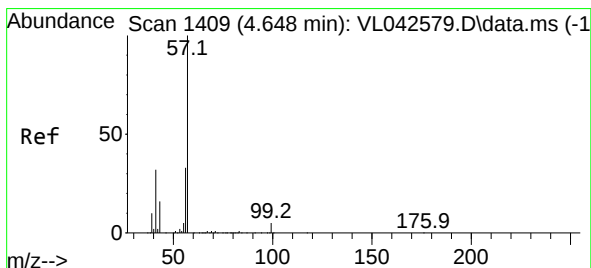
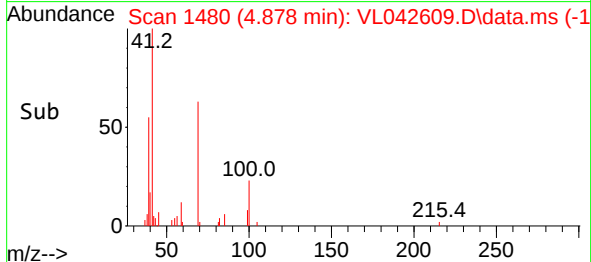
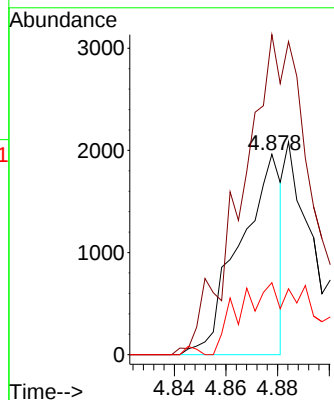
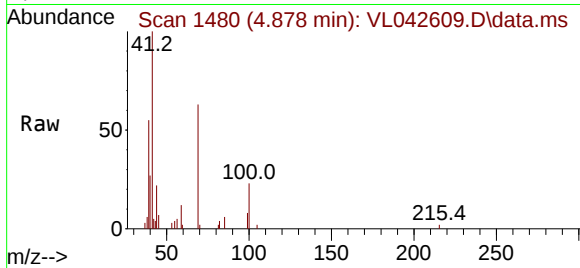




#43
Methyl Methacrylate
Concen: 0.210 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

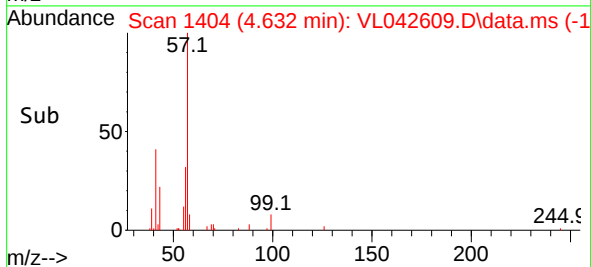
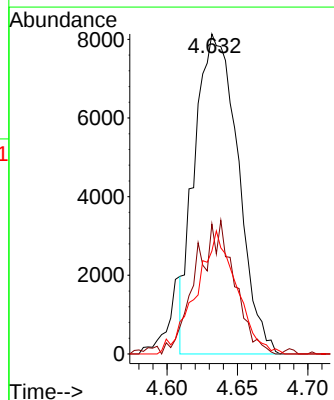
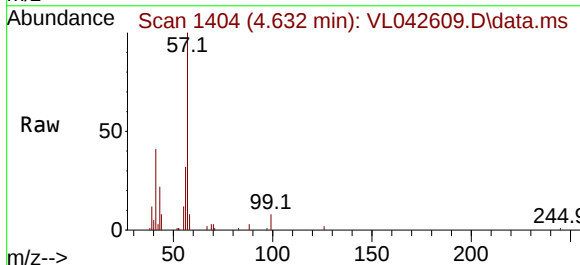
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

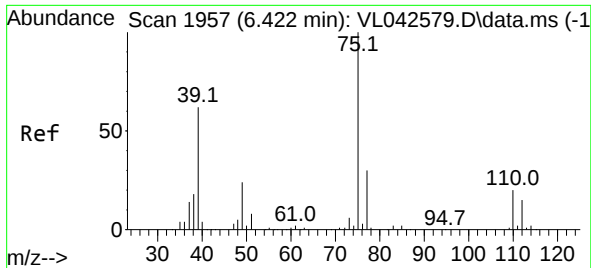
Tgt Ion: 69 Resp: 2174
Ion Ratio Lower Upper
69 100
41 283.0 124.6 187.0#
100 66.1 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 0.380 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.016 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 57 Resp: 17323
Ion Ratio Lower Upper
57 100
41 38.6 26.1 39.1
56 36.0 25.9 38.9

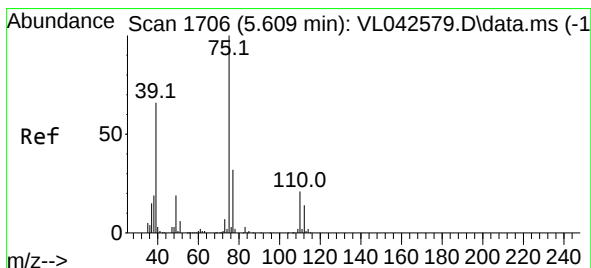
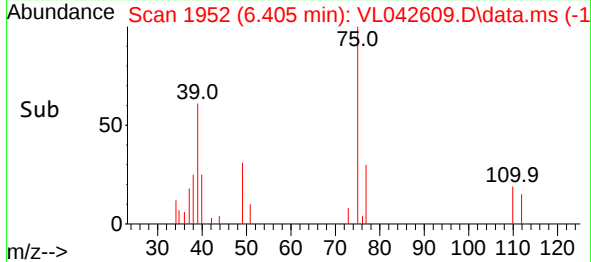
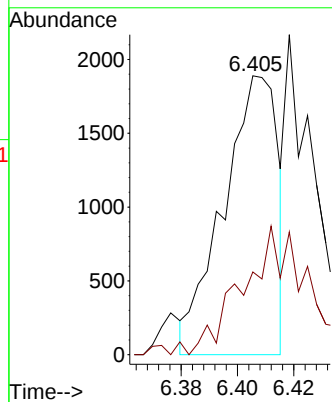
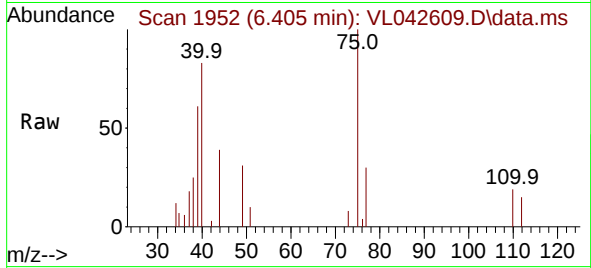




#45
 t-1,3-Dichloropropene
 Concen: 0.214 ppbv
 RT: 6.405 min Scan# 1952
 Delta R.T. -0.016 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

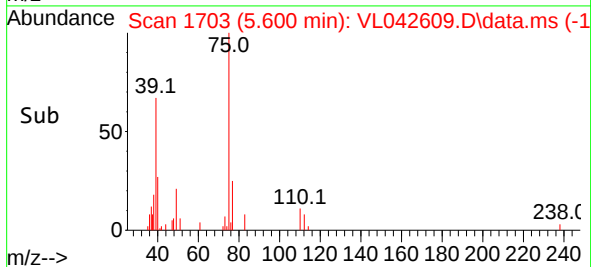
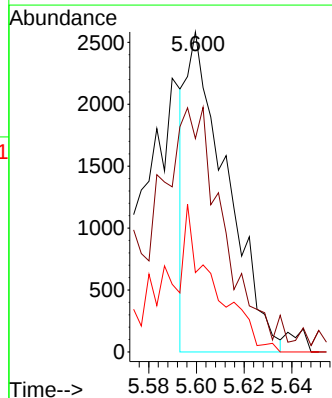
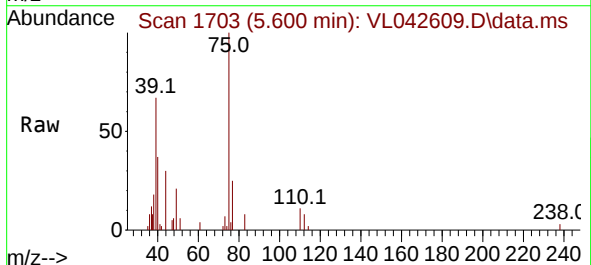
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

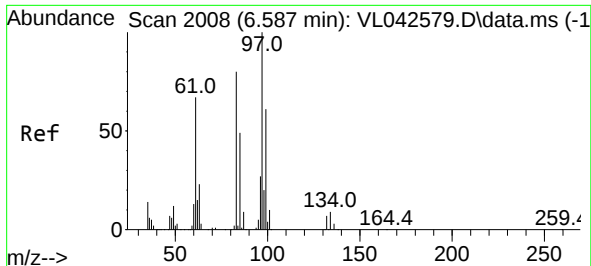
Tgt Ion: 75 Resp: 2533
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.205 ppbv
 RT: 5.600 min Scan# 1703
 Delta R.T. -0.010 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 75 Resp: 3035
 Ion Ratio Lower Upper
 75 100
 39 57.4 52.7 79.1
 77 25.8 25.8 38.8

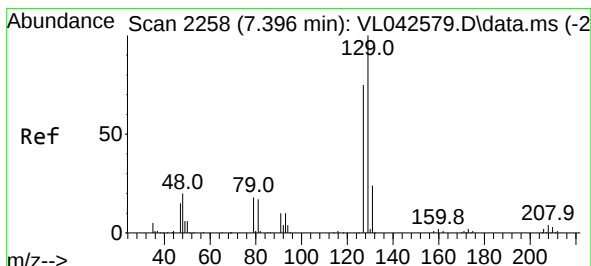
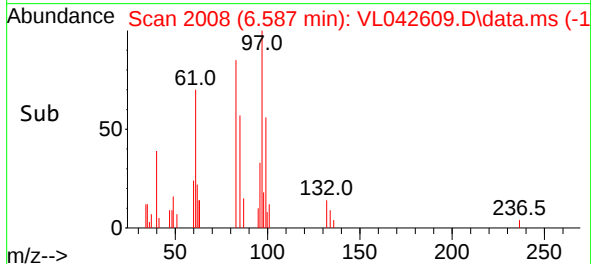
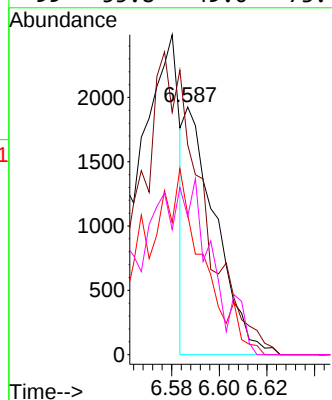
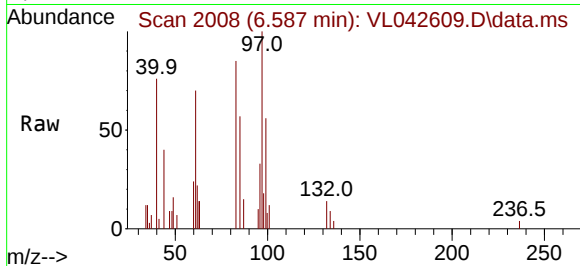




#47
1,1,2-Trichloroethane
Concen: 0.171 ppbv
RT: 6.587 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

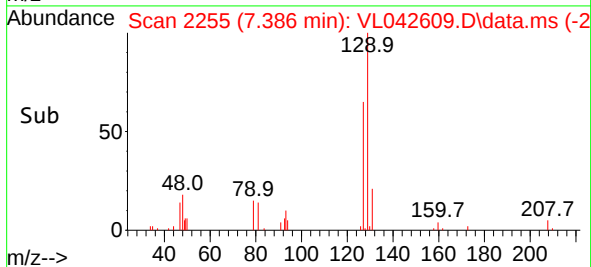
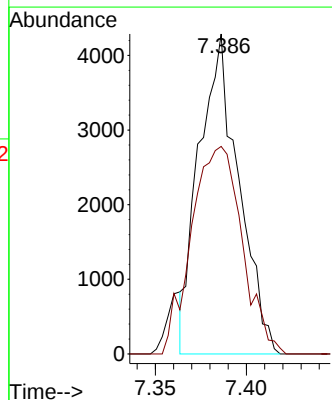
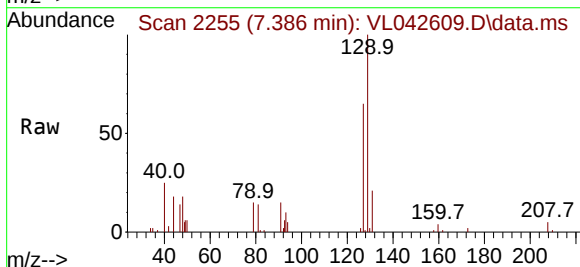
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

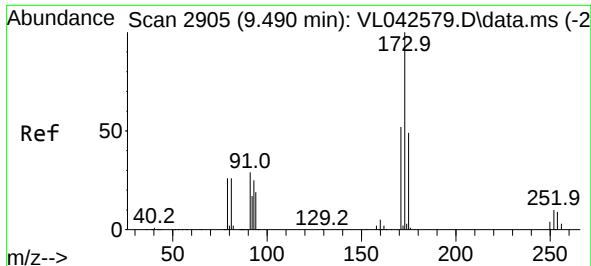
Tgt Ion: 97	Resp: 1747
Ion Ratio	Lower Upper
97 100	
83 84.7	63.9 95.9
85 56.5	39.2 58.8
99 55.8	49.0 73.4



#48
Dibromochloromethane
Concen: 0.396 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:129	Resp: 6474		
Ion Ratio	Lower	Upper	
129 100			
127 82.9	39.0	116.9	





#49

Bromoform

Concen: 0.386 ppbv

RT: 9.477 min Scan# 2905

Delta R.T. -0.013 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

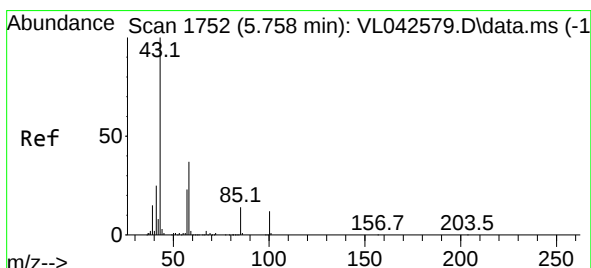
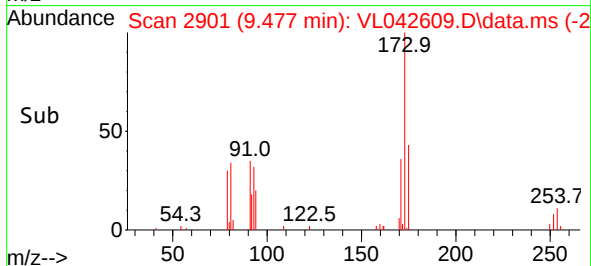
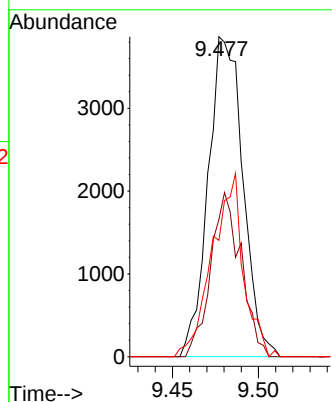
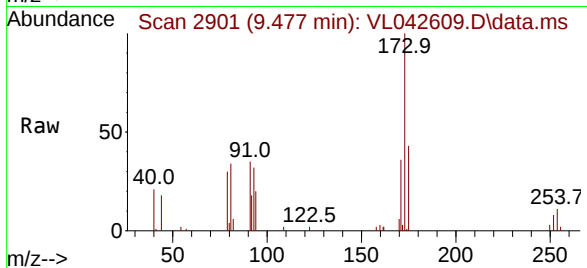
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

Tgt Ion:173	Resp:	5435
Ion Ratio	Lower	Upper
173	100	
175	44.8	38.7 58.1
171	51.3	41.2 61.8



#50

4-Methyl-2-Pentanone

Concen: 0.022 ppbv

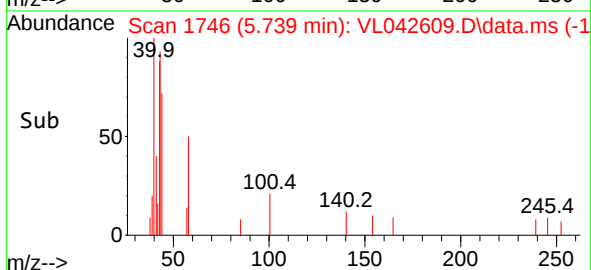
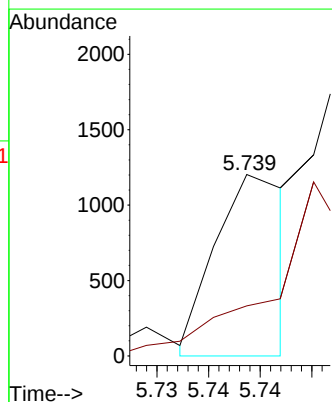
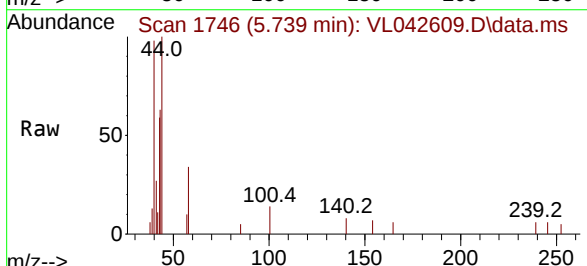
RT: 5.739 min Scan# 1746

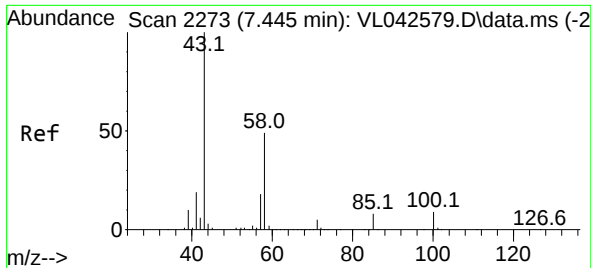
Delta R.T. -0.020 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion: 43	Resp:	591
Ion Ratio	Lower	Upper
43	100	
58	0.0	28.3 42.5

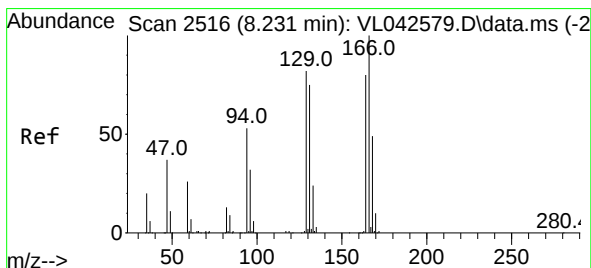
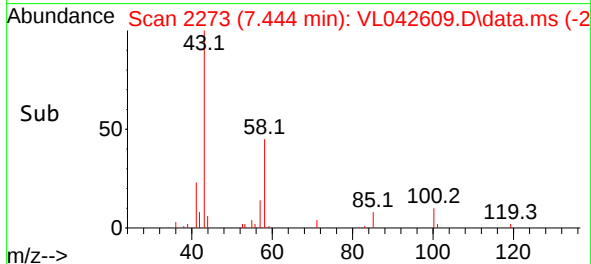
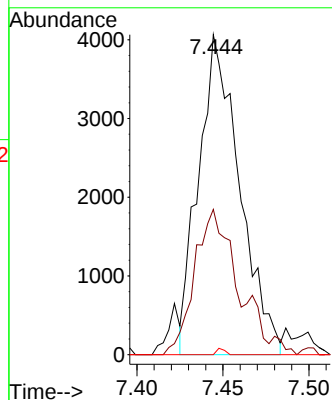
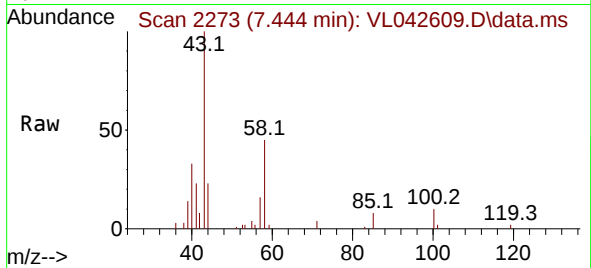




#51
2-Hexanone
Concen: 0.318 ppbv
RT: 7.444 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

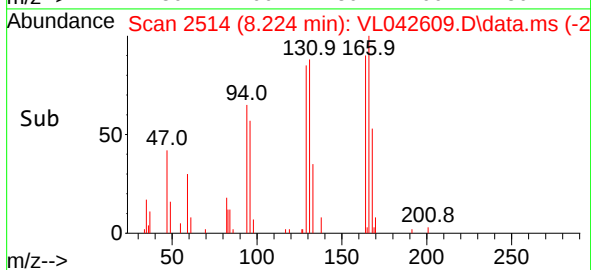
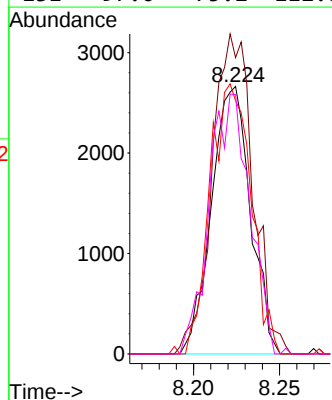
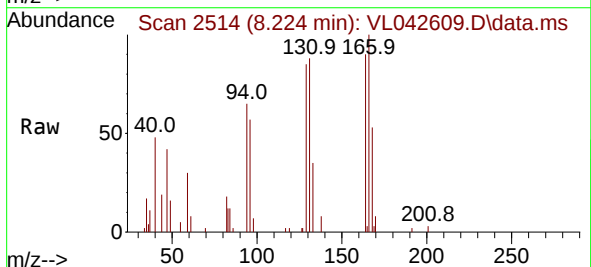
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

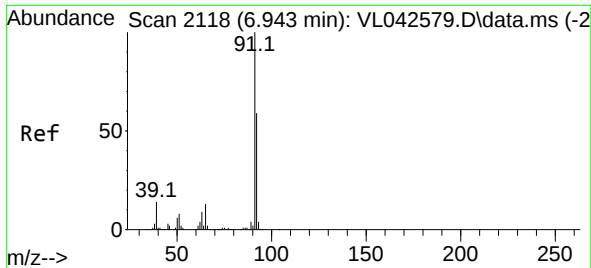
Tgt Ion: 43 Resp: 6744
Ion Ratio Lower Upper
43 100
58 49.3 39.9 59.9
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.421 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:164 Resp: 4198
Ion Ratio Lower Upper
164 100
166 108.1 100.0 150.0
129 94.7 82.2 123.4
131 97.0 75.2 112.8





#53

Toluene

Concen: 0.359 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

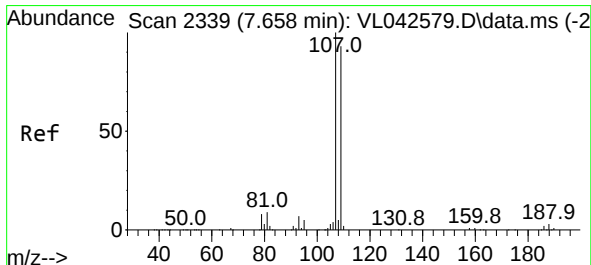
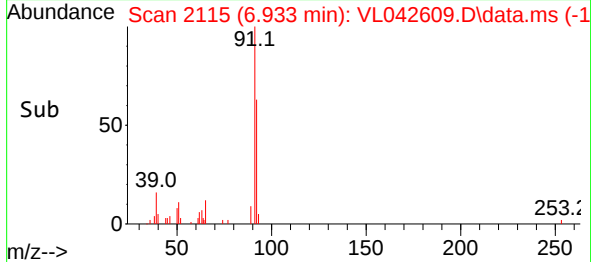
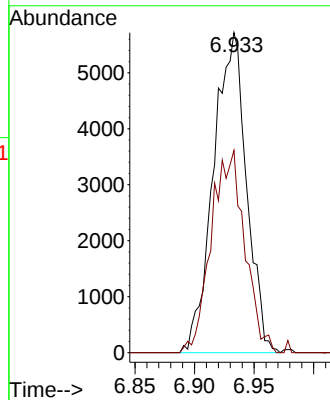
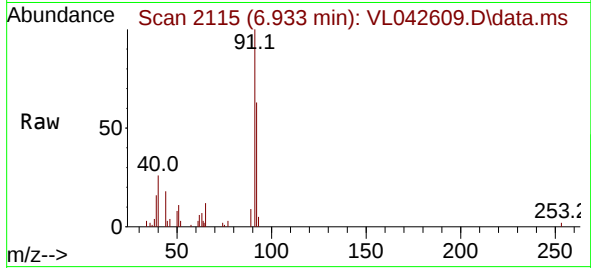
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 91 Resp: 11057

Ion Ratio Lower Upper

91 100

92 64.4 48.2 72.4



#54

1,2-Dibromoethane

Concen: 0.287 ppbv

RT: 7.645 min Scan# 2335

Delta R.T. -0.013 min

Lab File: VL042609.D

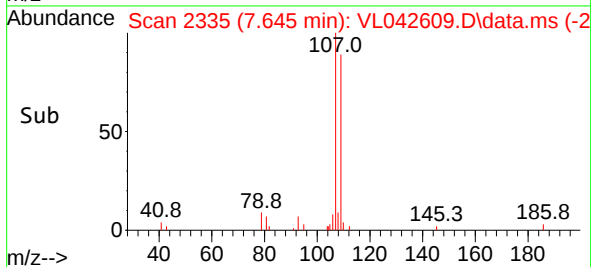
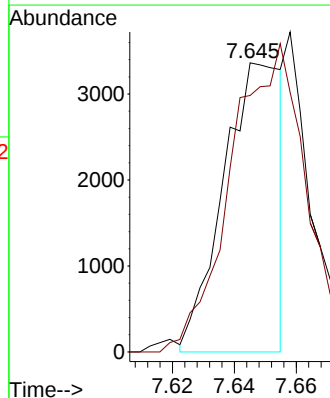
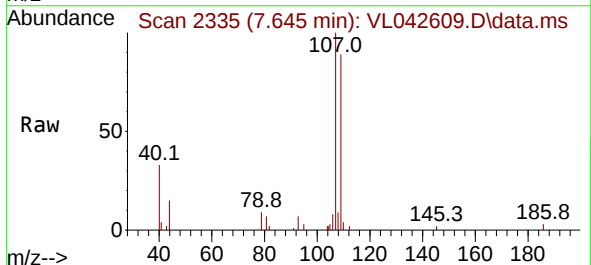
Acq: 03 Jun 2025 14:07

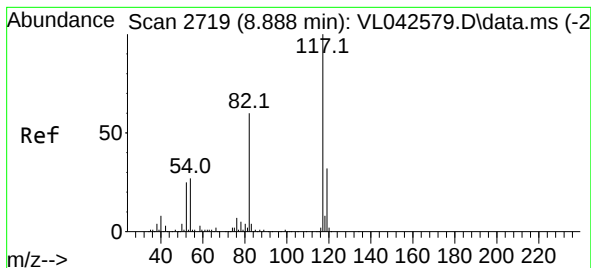
Tgt Ion: 107 Resp: 4339

Ion Ratio Lower Upper

107 100

109 86.6 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

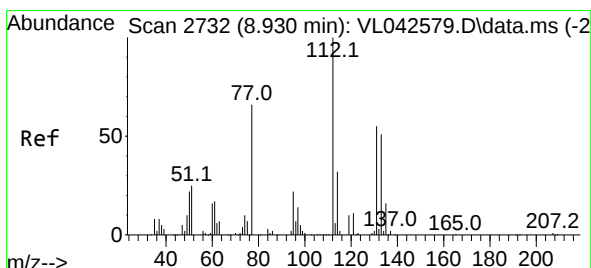
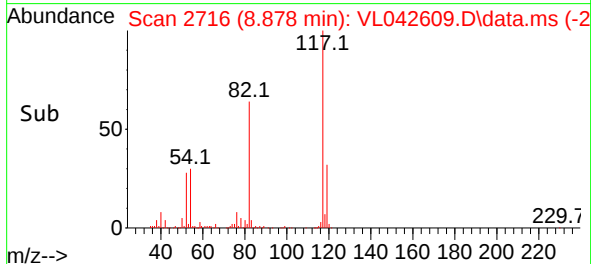
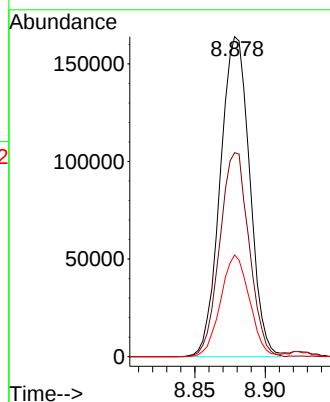
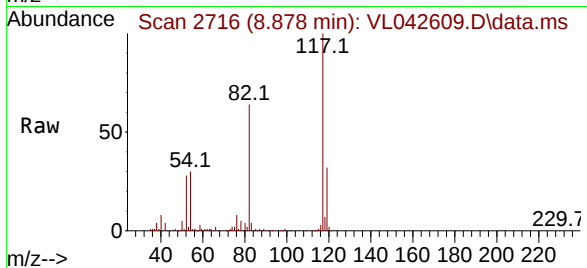
Tgt Ion:117 Resp: 238536

Ion Ratio Lower Upper

117 100

82 63.8 51.2 76.8

119 32.5 26.3 39.5



#56

1,1,1,2-Tetrachloroethane

Concen: 0.437 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

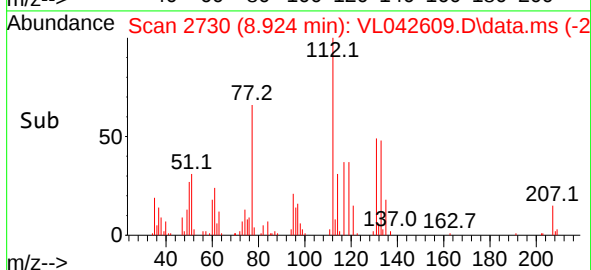
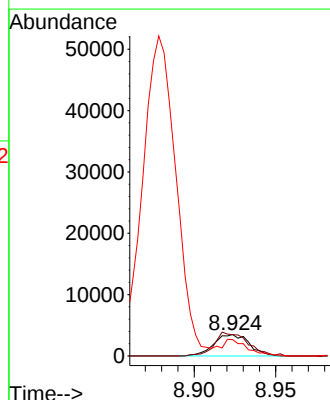
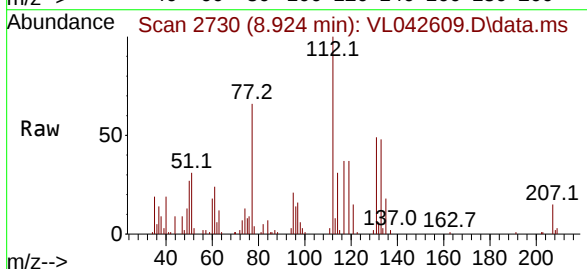
Tgt Ion:131 Resp: 5241

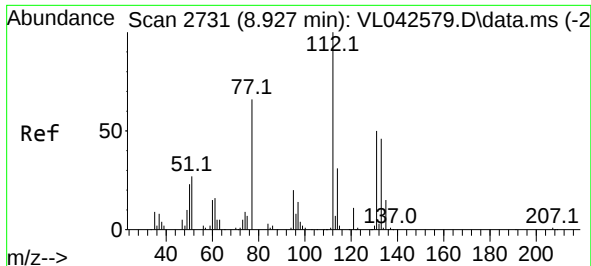
Ion Ratio Lower Upper

131 100

133 105.1 75.0 112.6

119 1481.5 50.8 76.2#

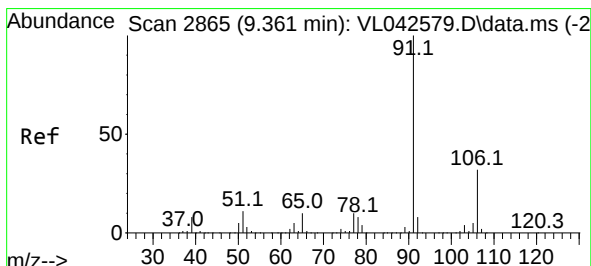
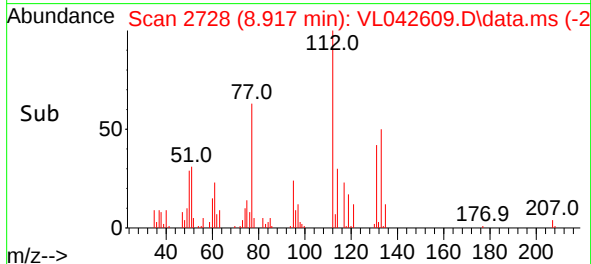
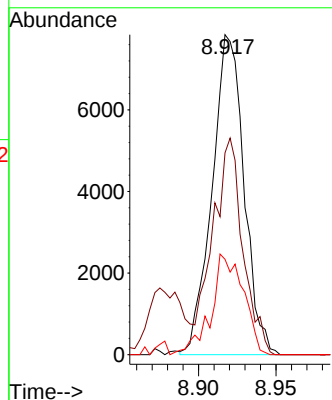
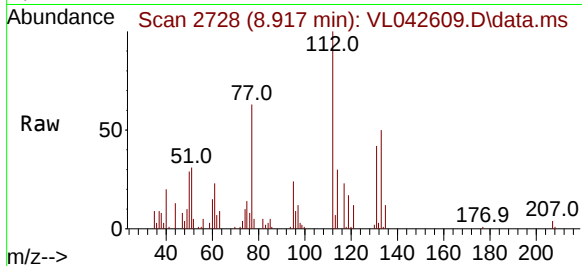




#57
Chlorobenzene
Concen: 0.486 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

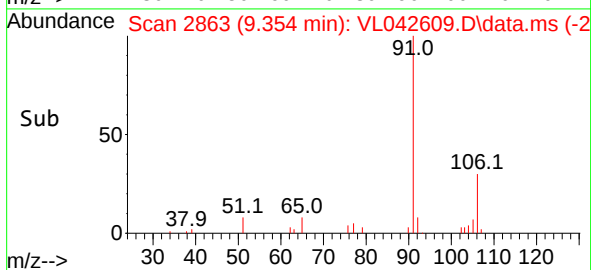
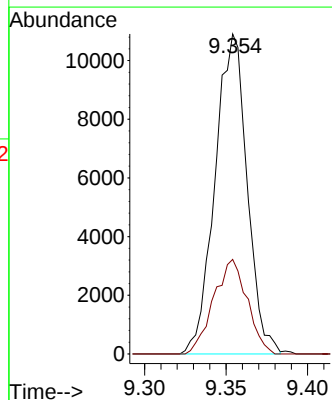
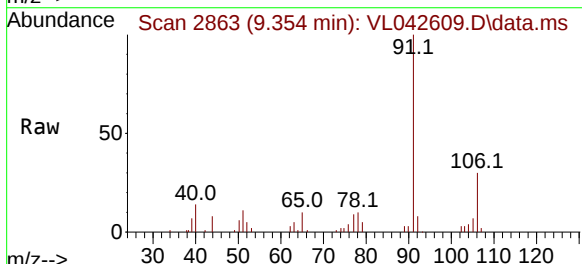
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

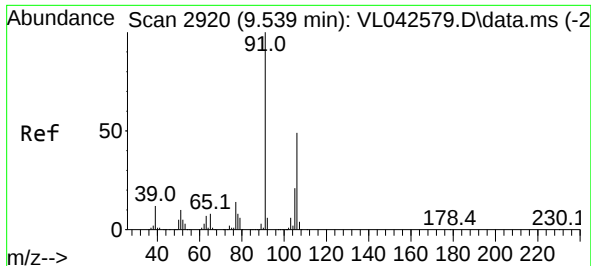
Tgt Ion:	112	Resp:	11253
Ion	Ratio	Lower	Upper
112	100		
77	63.1	53.5	80.3
114	29.8	27.8	34.0



#58
Ethyl Benzene
Concen: 0.369 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:	91	Resp:	14945
Ion	Ratio	Lower	Upper
91	100		
106	29.6	25.9	38.9





#59

m/p-Xylene

Concen: 0.256 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

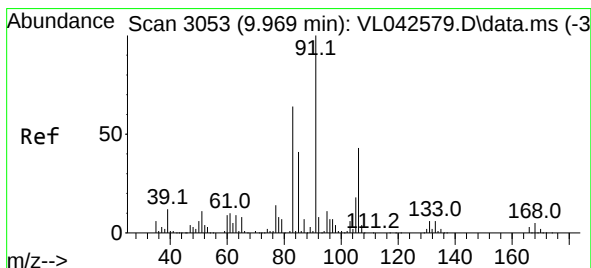
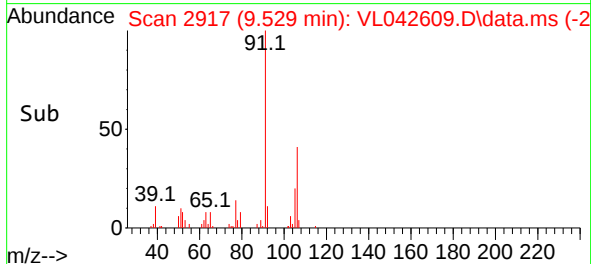
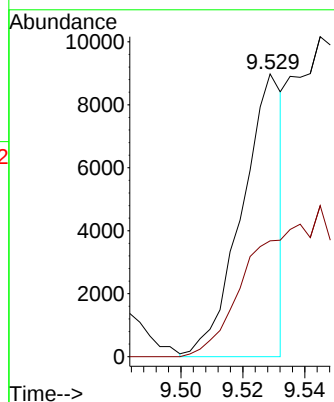
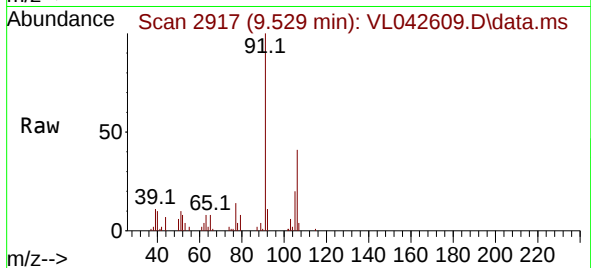
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 91 Resp: 8162

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 0.373 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.010 min

Lab File: VL042609.D

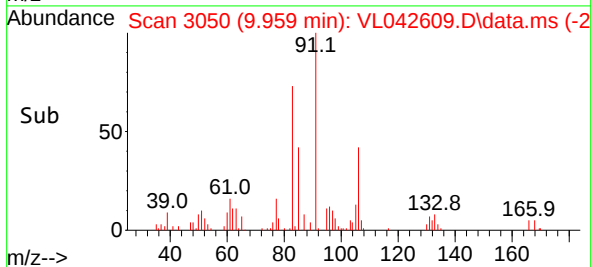
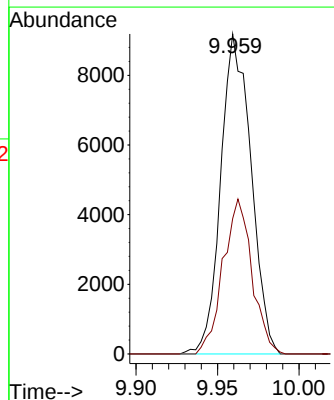
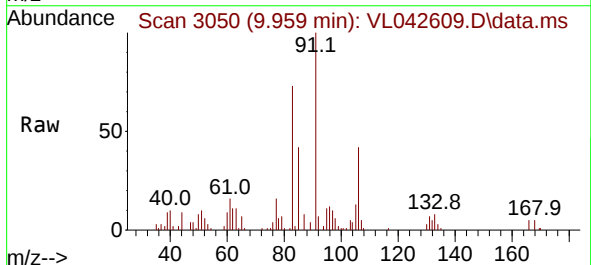
Acq: 03 Jun 2025 14:07

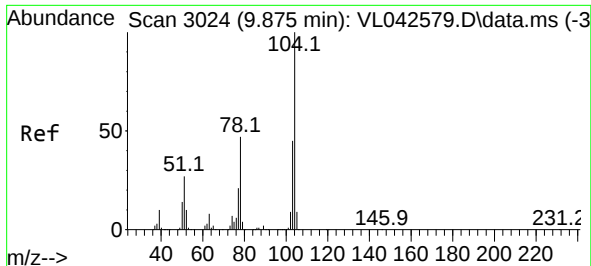
Tgt Ion: 91 Resp: 11857

Ion Ratio Lower Upper

91 100

106 46.3 22.9 68.5

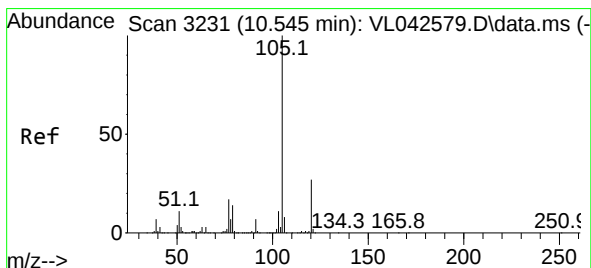
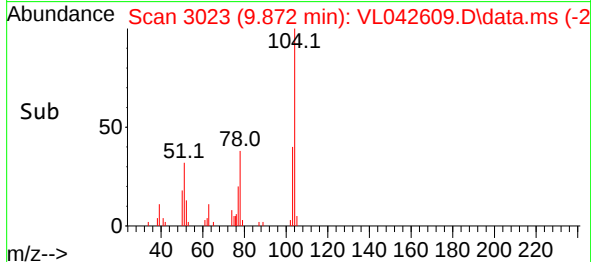
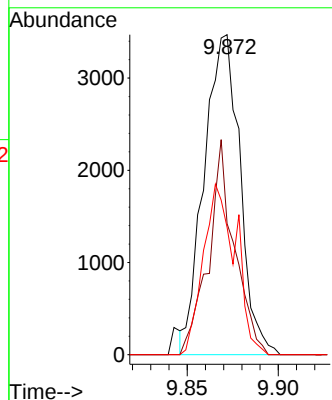
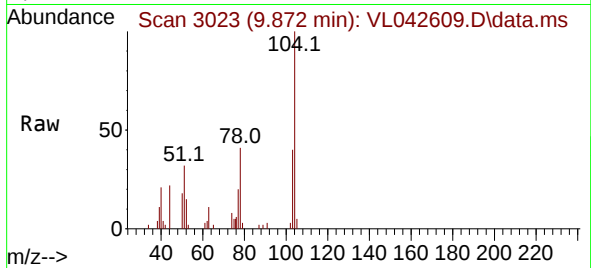




#61
Styrene
Concen: 0.316 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

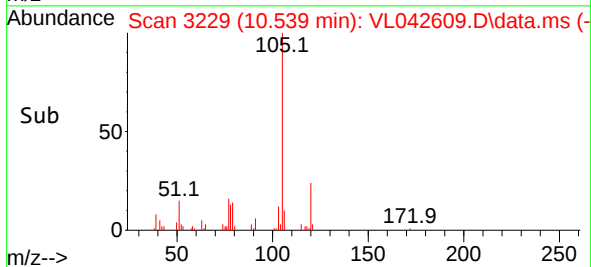
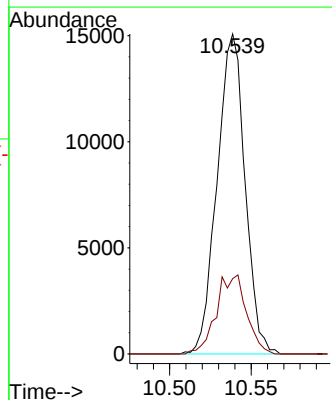
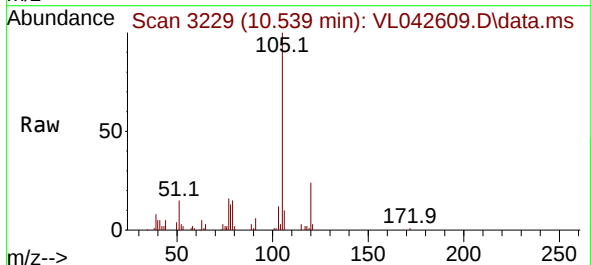
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

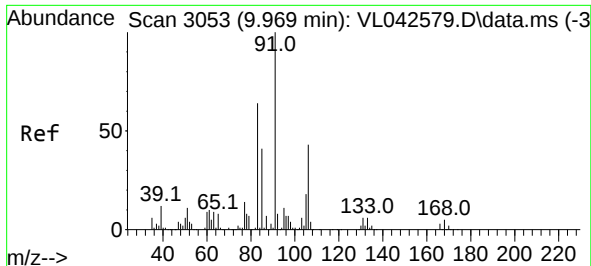
Tgt Ion:104 Resp: 4746
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.4
103 48.5 36.7 55.1



#62
Isopropylbenzene
Concen: 0.382 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:105 Resp: 17943
Ion Ratio Lower Upper
105 100
120 26.7 20.9 31.3

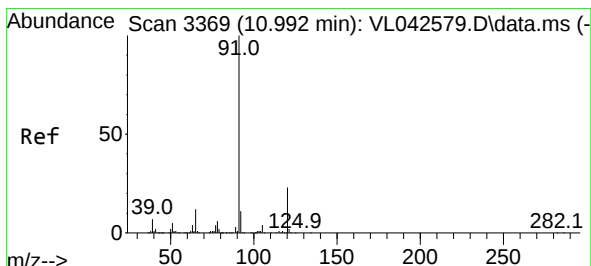
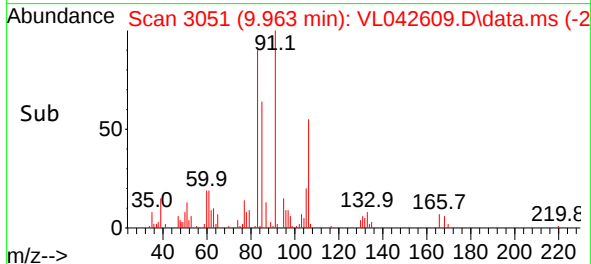
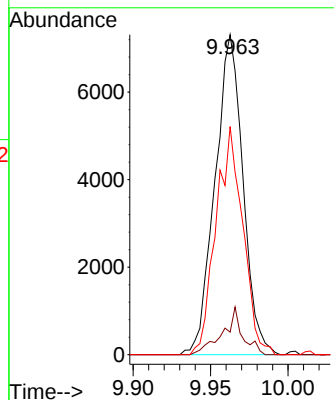
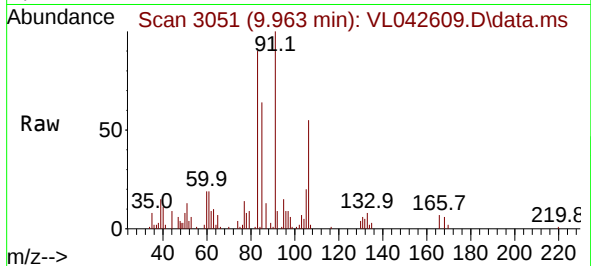




#63
1,1,2,2-Tetrachloroethane
Concen: 0.455 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

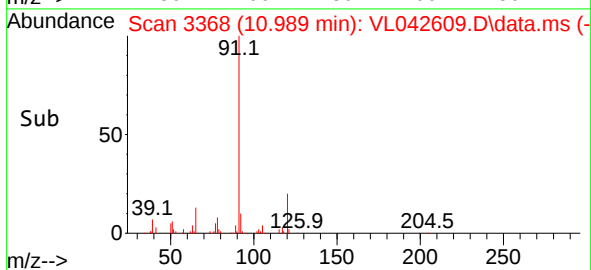
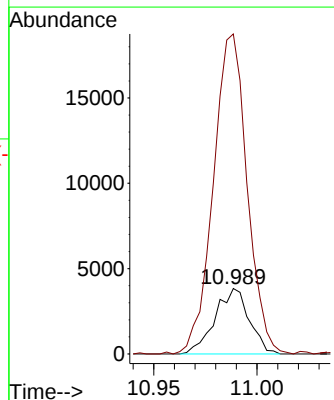
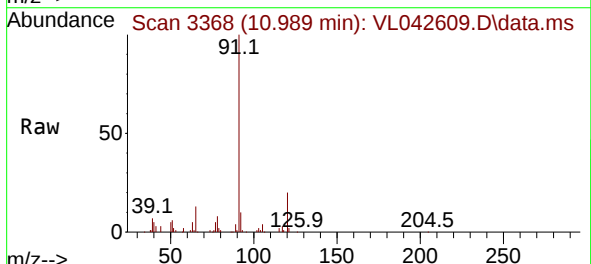
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT2-2025

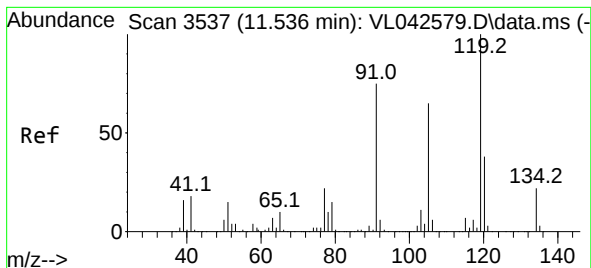
Tgt Ion: 83 Resp: 9192
Ion Ratio Lower Upper
83 100
131 10.6 4.8 14.4
85 68.5 32.5 97.4



#64
n-propylbenzene
Concen: 0.352 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 120 Resp: 4433
Ion Ratio Lower Upper
120 100
91 485.0 363.0 544.6





#65

tert-Butylbenzene

Concen: 0.367 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

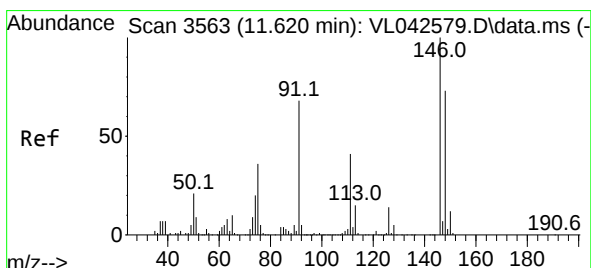
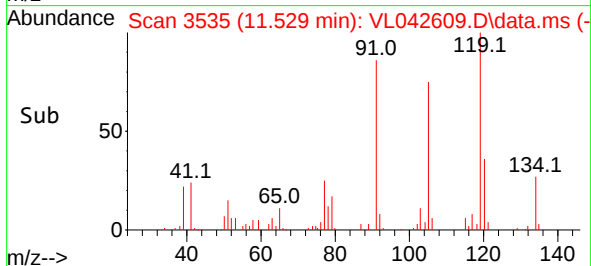
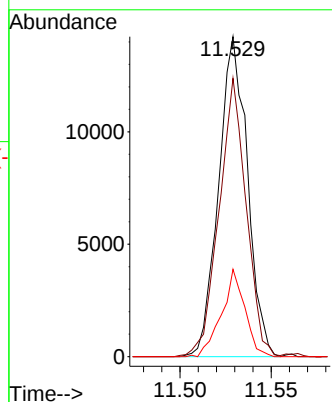
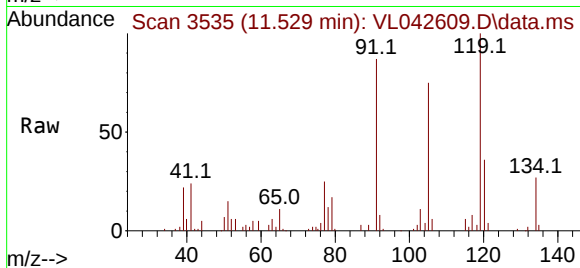
Tgt Ion:119 Resp: 15637

Ion Ratio Lower Upper

119 100

91 82.4 61.1 91.7

134 22.0 17.4 26.2



#66

Benzyl Chloride

Concen: 0.292 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

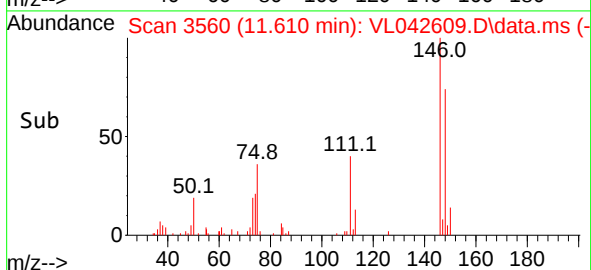
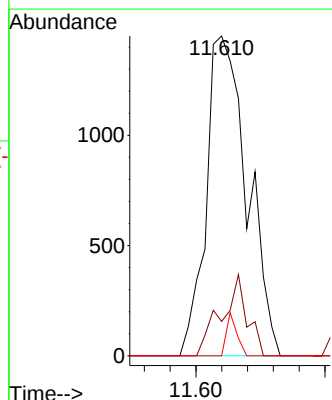
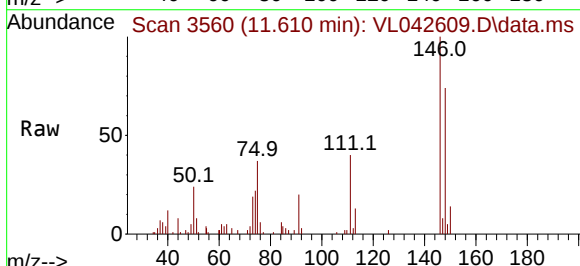
Tgt Ion: 91 Resp: 1598

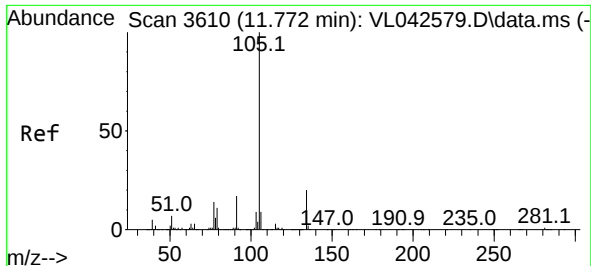
Ion Ratio Lower Upper

91 100

126 16.0 15.1 22.7

128 3.3 5.0 7.6#

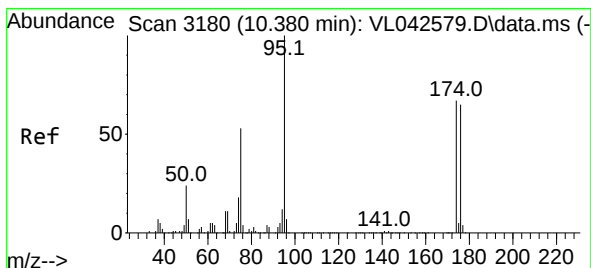
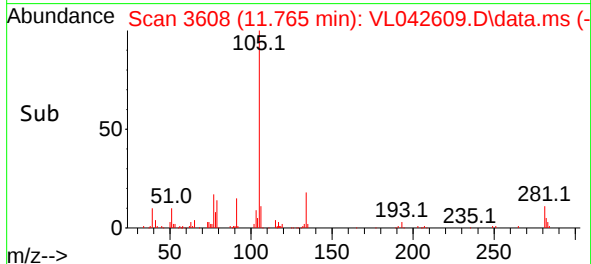
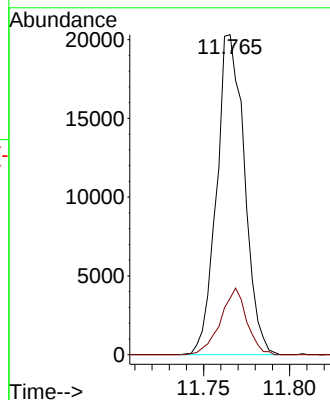
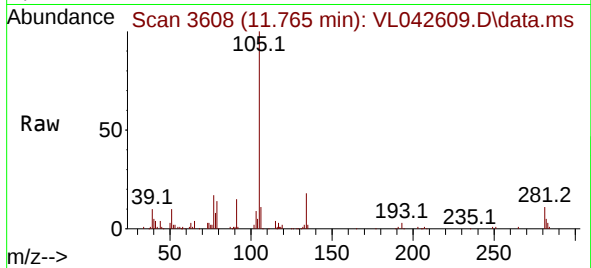




#67
 sec-Butylbenzene
 Concen: 0.382 ppbv
 RT: 11.765 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

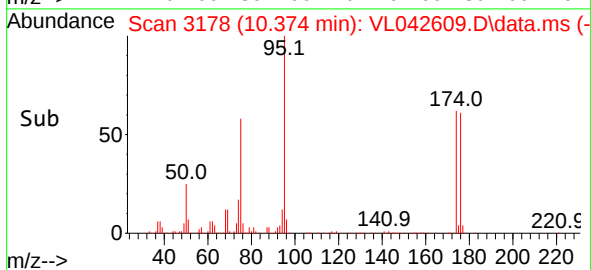
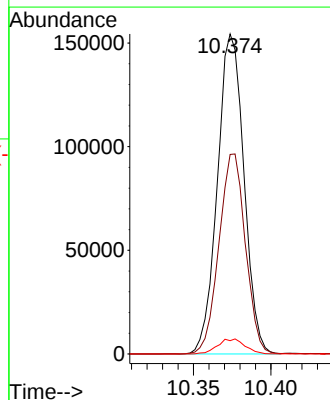
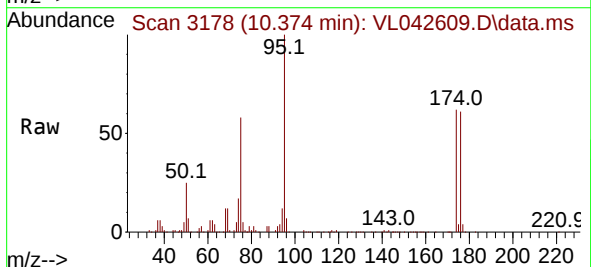
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

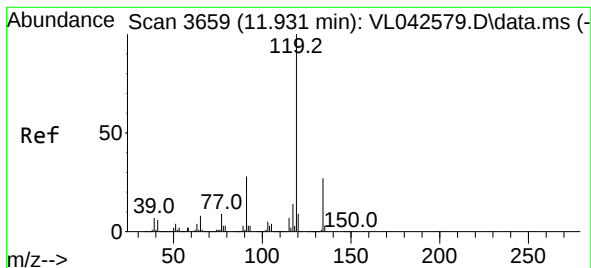
Tgt Ion:105 Resp: 22837
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.291 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 95 Resp: 184010
 Ion Ratio Lower Upper
 95 100
 174 62.5 53.1 79.7
 175 4.9 4.2 6.2

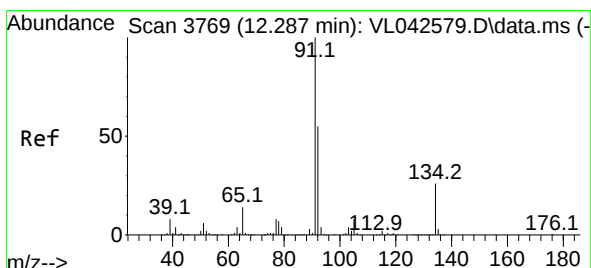
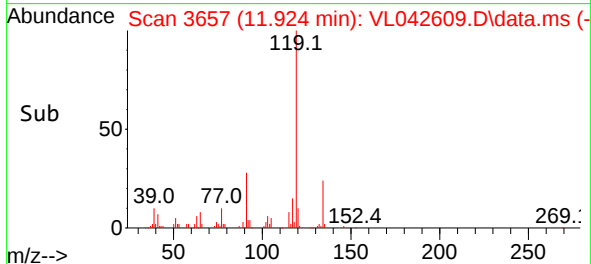
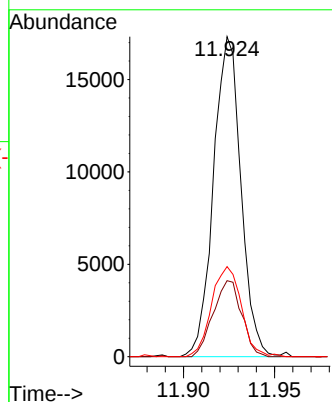
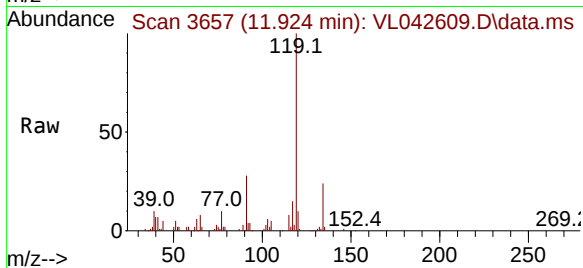




#69
p-Isopropyltoluene
Concen: 0.361 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

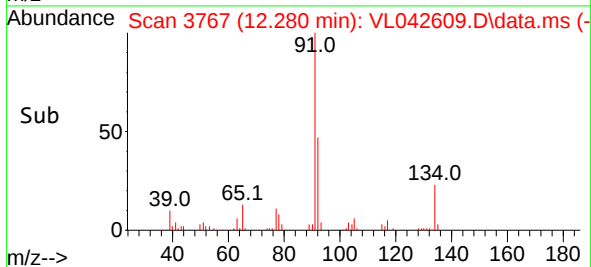
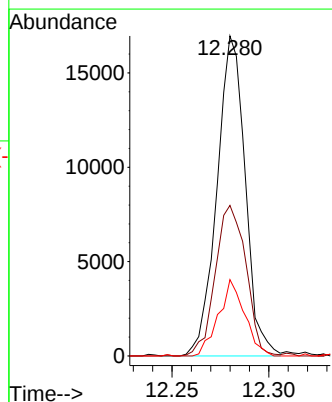
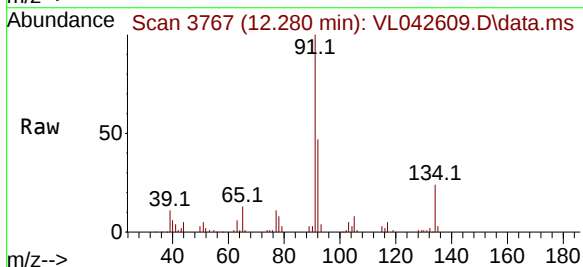
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

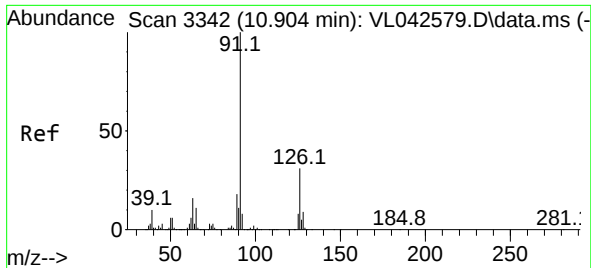
Tgt Ion:119 Resp: 18086
Ion Ratio Lower Upper
119 100
134 24.6 21.1 31.7
91 30.6 21.9 32.9



#70
n-Butylbenzene
Concen: 0.348 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 91 Resp: 17215
Ion Ratio Lower Upper
91 100
92 51.3 44.4 66.6
134 22.4 20.1 30.1

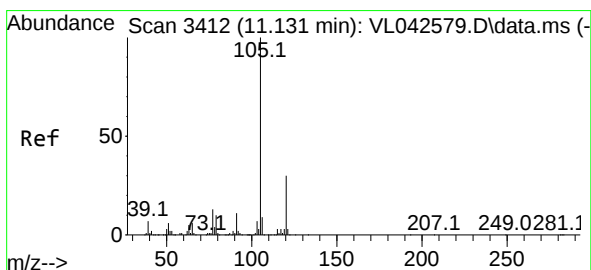
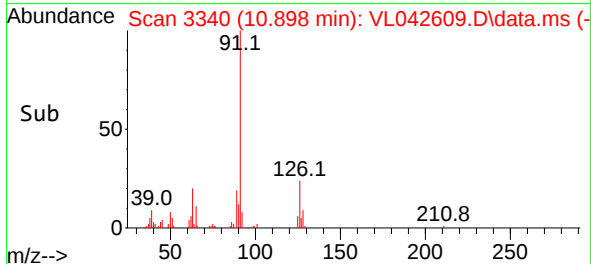
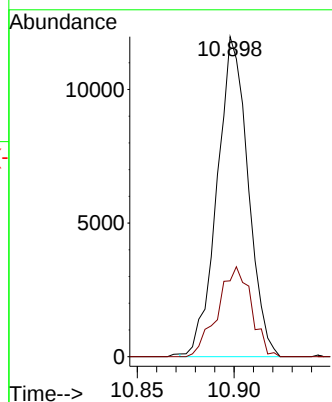
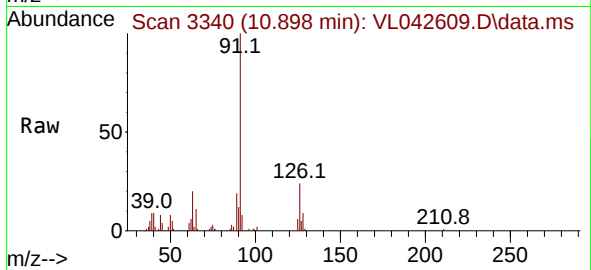




#71
2-Chlorotoluene
Concen: 0.372 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

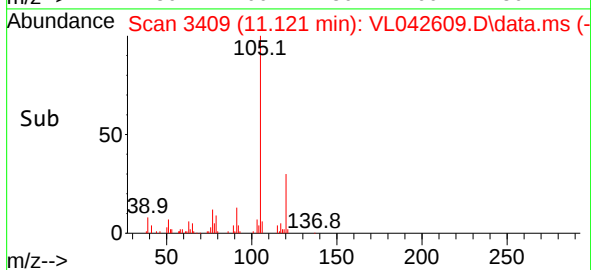
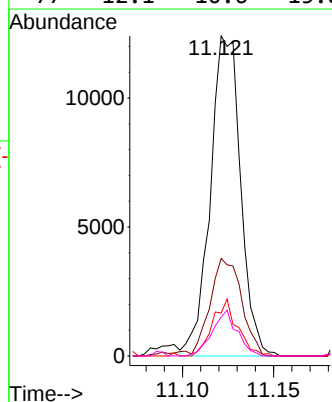
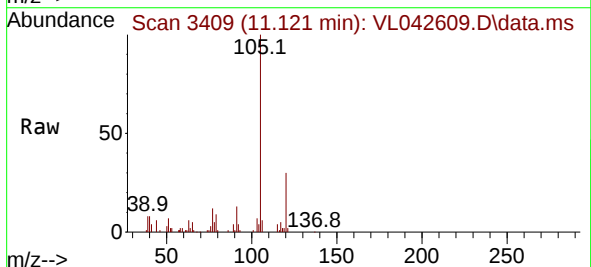
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

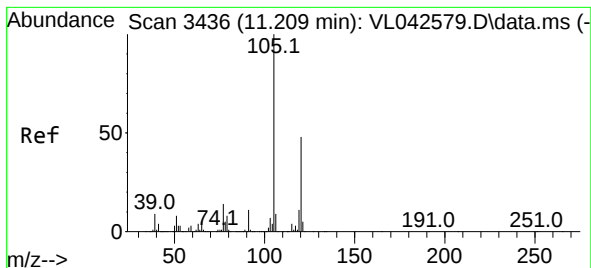
Tgt Ion: 91 Resp: 13302
Ion Ratio Lower Upper
91 100
126 30.4 12.6 50.4



#72
4-Ethyltoluene
Concen: 0.362 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 105 Resp: 14333
Ion Ratio Lower Upper
105 100
120 32.7 24.6 36.8
91 14.7 9.6 14.4#
77 12.1 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.357 ppbv

RT: 11.199 min Scan# 3436

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

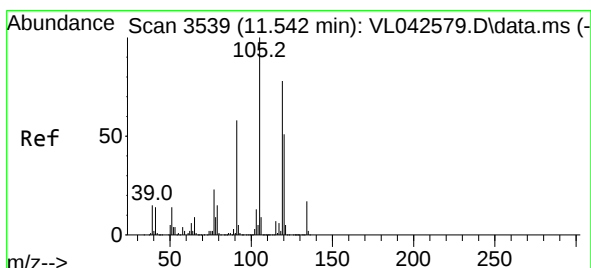
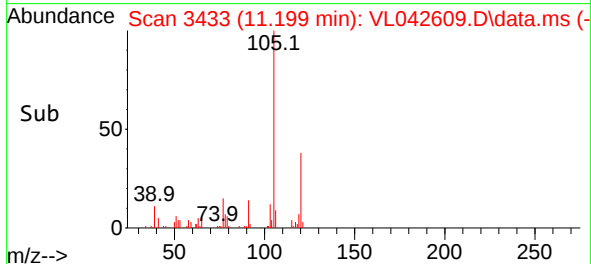
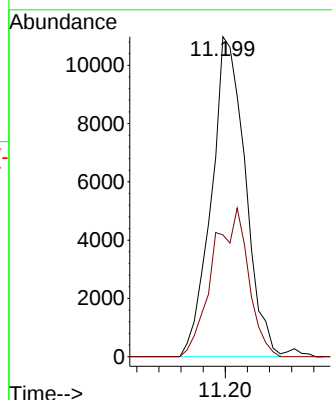
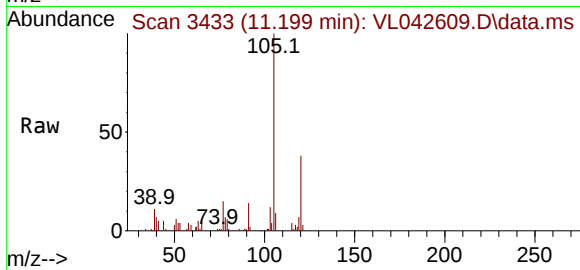
LOD-MDL-AIR-01-QT2-2025

Tgt Ion:105 Resp: 11684

Ion Ratio Lower Upper

105 100

120 38.0 38.8 58.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.390 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion:105 Resp: 14197

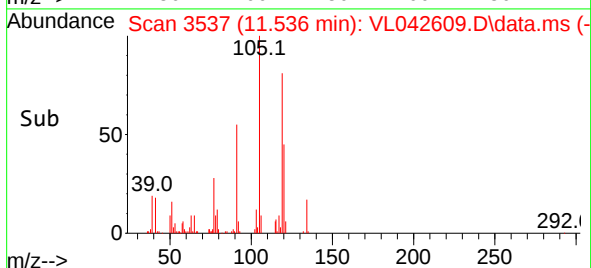
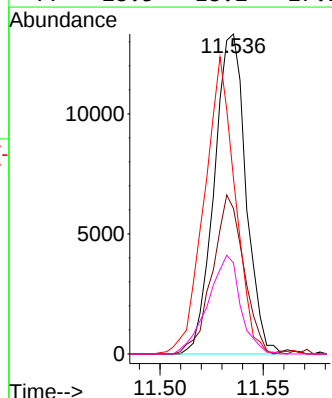
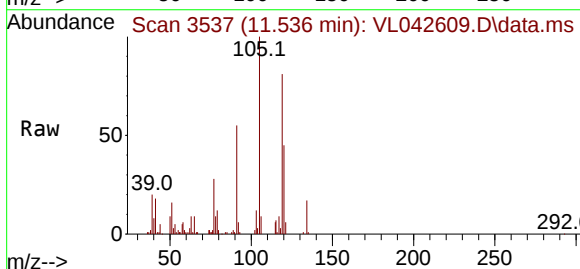
Ion Ratio Lower Upper

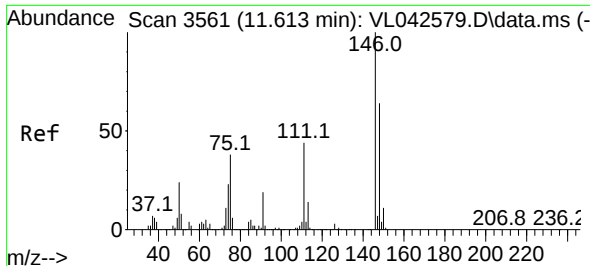
105 100

120 45.0 40.8 61.2

91 54.0 46.8 70.2

77 28.5 18.2 27.2#

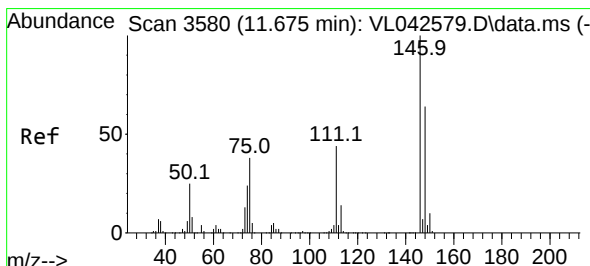
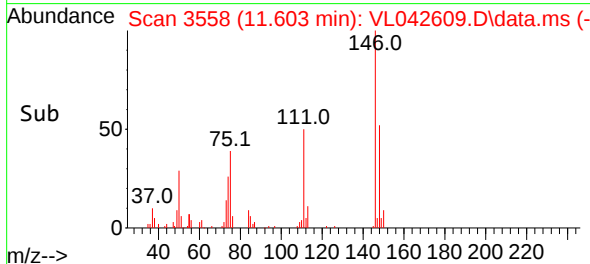
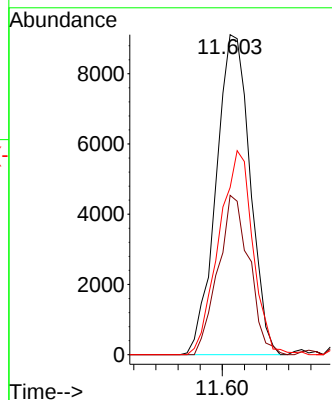
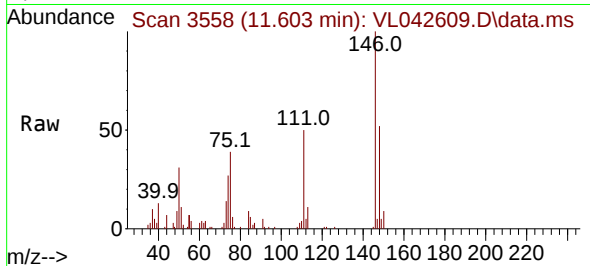




#75
1,3-Dichlorobenzene
Concen: 0.425 ppbv
RT: 11.603 min Scan# 3558
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

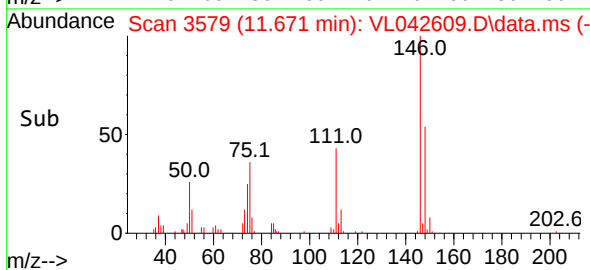
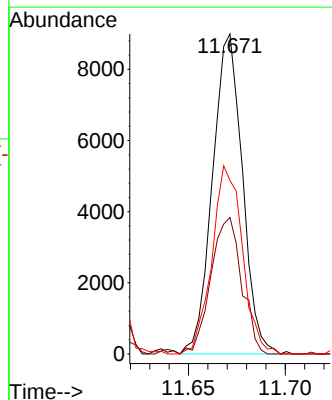
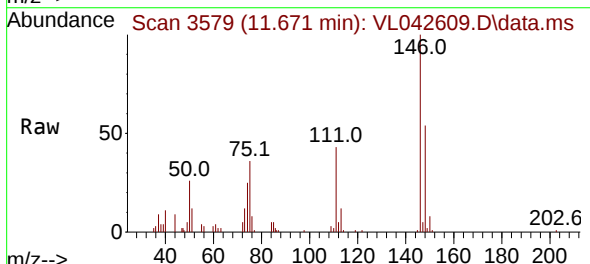
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

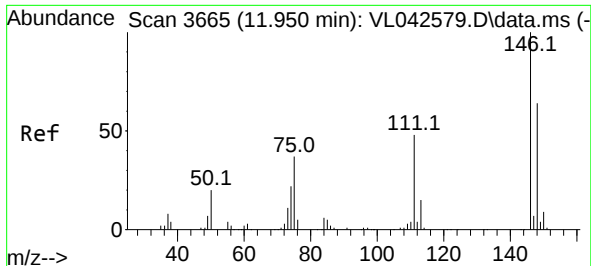
Tgt Ion:146 Resp: 9710
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.3
148 64.0 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 0.424 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

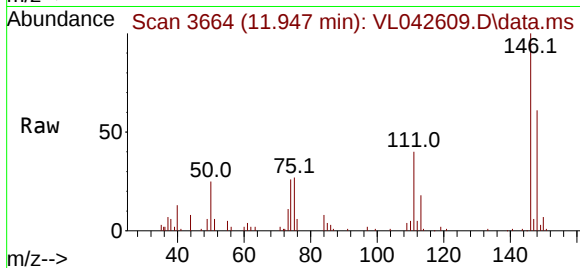
Tgt Ion:146 Resp: 9652
Ion Ratio Lower Upper
146 100
111 44.7 21.6 64.8
148 59.8 32.1 96.5



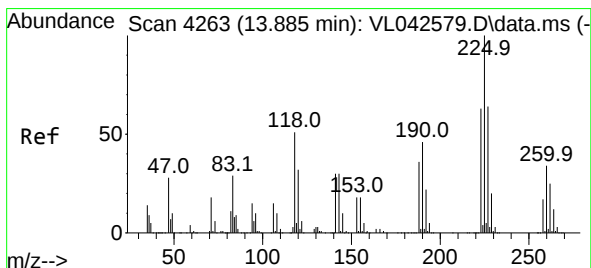
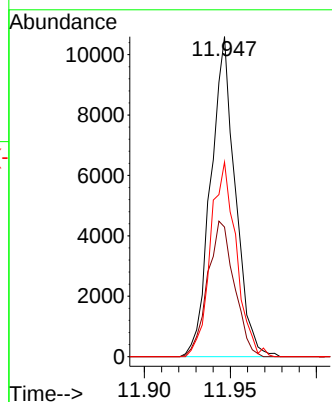
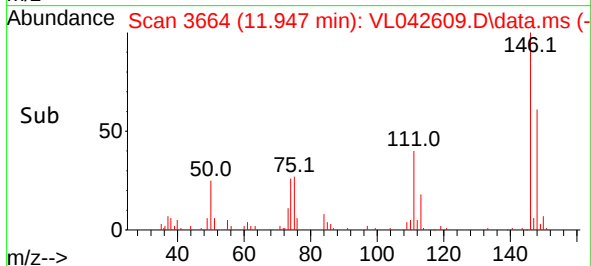


#77
1,2-Dichlorobenzene
Concen: 0.474 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

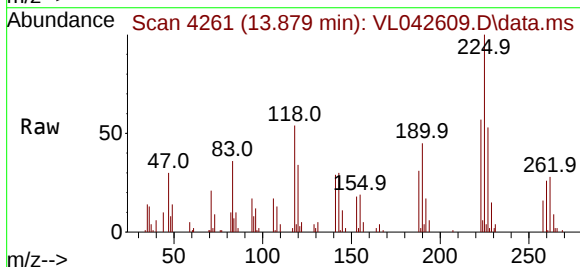
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



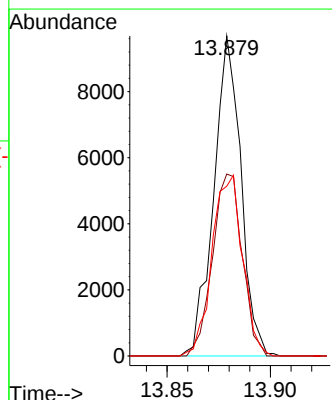
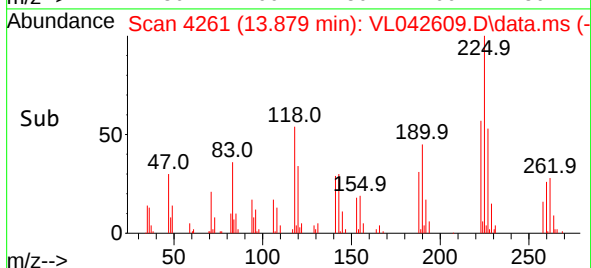
Tgt Ion:146 Resp: 10515
Ion Ratio Lower Upper
146 100
111 45.9 23.1 69.3
148 63.6 32.1 96.3

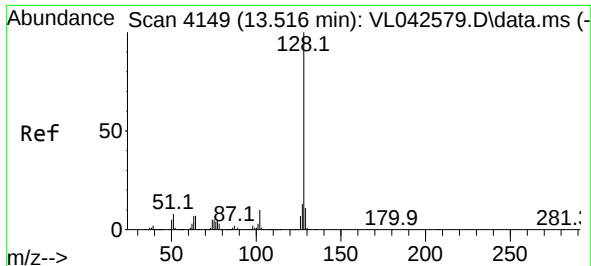


#78
Hexachloro-1,3-Butadiene
Concen: 0.484 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07



Tgt Ion:225 Resp: 8870
Ion Ratio Lower Upper
225 100
223 62.2 50.2 75.4
227 63.2 51.1 76.7

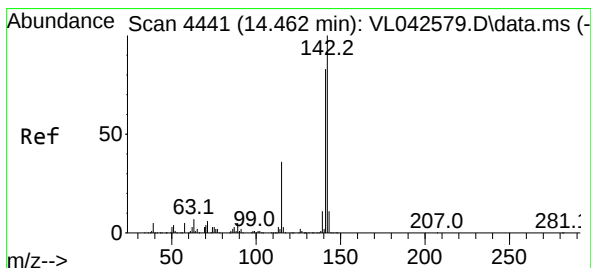
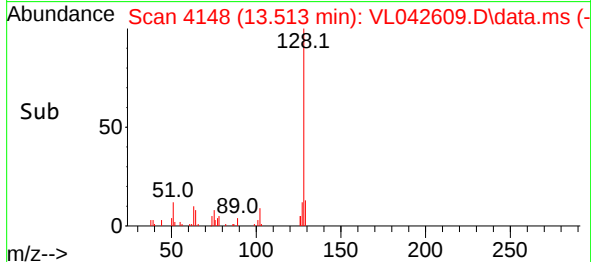
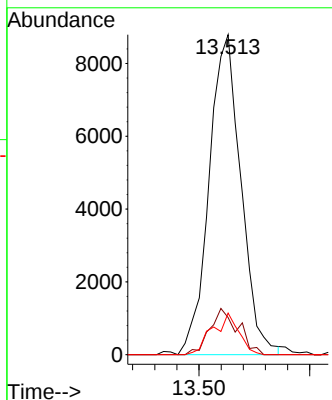
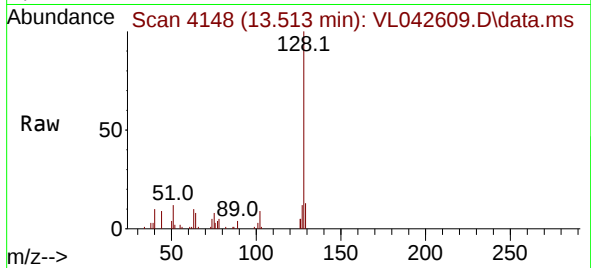




#79
Naphthalene
Concen: 0.256 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

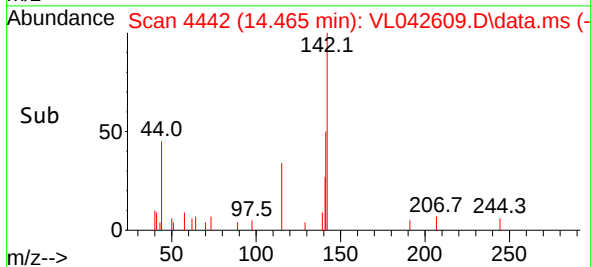
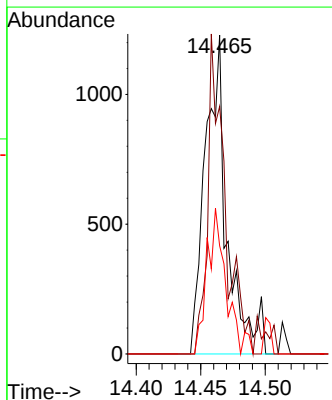
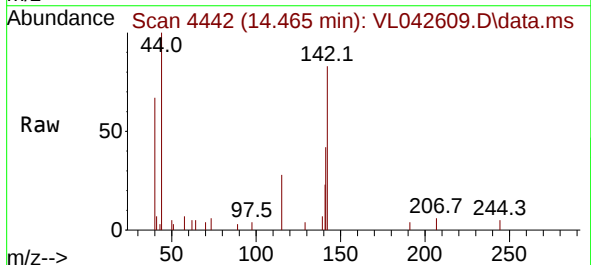
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

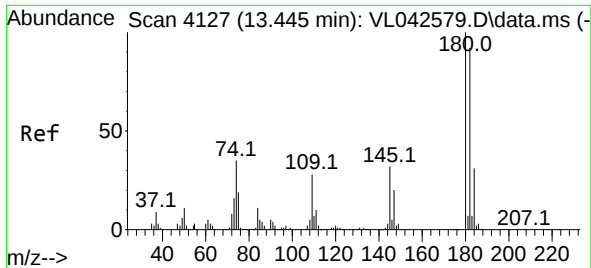
Tgt Ion:	128	Resp:	8783
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.2	15.4
129	13.0	8.8	13.2



#80
Naphthalene, 2-methyl-
Concen: 0.093 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

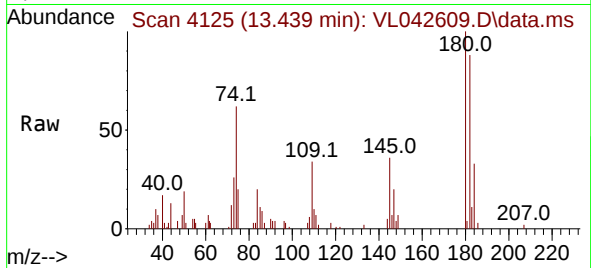
Tgt Ion:	142	Resp:	1437
Ion	Ratio	Lower	Upper
142	100		
141	85.5	66.2	99.4
115	40.2	28.3	42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.254 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

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



Tgt Ion:	180	Resp:	4869
Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.0	112.4
184	31.2	24.6	36.8

