

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043150.D
 Acq On : 04 Nov 2025 11:55
 Operator : SY/MD
 Sample : Q3530-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	115039	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	362611	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313207	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	246141	10.111	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	8165	0.499	ppbv	99
3) Chlorodifluoromethane	1.476	51	8187	0.463	ppbv	97
4) Chloromethane	1.535	50	2830	0.437	ppbv	100
5) Vinyl Chloride	1.583	62	2873	0.452	ppbv	95
6) Bromomethane	1.671	94	1627	0.467	ppbv #	74
7) Chloroethane	1.706	64	1233	0.475	ppbv #	88
8) Dichlorotetrafluoroethane	1.557	85	6244	0.472	ppbv #	77
9) Propene	1.486	41	3223	0.411	ppbv	93
10) Heptane	4.985	43	6047	0.268	ppbv #	66
11) Trichlorofluoromethane	1.881	101	9044	0.565	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	6880	0.534	ppbv	95
13) Ethanol	1.722	45	1697	0.585	ppbv	89
14) Bromoethene	1.784	108	2295	0.480	ppbv #	86
15) Acetone	1.839	43	9162	0.591	ppbv	94
16) 1,3-Butadiene	1.612	39	3240	0.438	ppbv	89
17) tert-Butyl alcohol	2.043	59	9965	0.468	ppbv	95
18) 1,1-Dichloroethene	2.036	96	2719	0.484	ppbv	83
19) Isopropyl Alcohol	1.887	45	4662	0.483	ppbv #	71
20) Methylene Chloride	2.062	84	3917	0.639	ppbv #	93
21) Allyl Chloride	2.098	41	4781	0.418	ppbv #	72
22) trans-1,2-Dichloroethene	2.344	96	3567	0.531	ppbv	90
23) Vinyl Acetate	2.463	43	12089	0.532	ppbv	98
24) 1,1-Dichloroethane	2.412	63	6467	0.499	ppbv #	88
25) Ethyl Acetate	2.839	43	15643	0.407	ppbv	98
26) Hexane	2.826	57	6915	0.390	ppbv	91
27) Carbon Disulfide	2.153	76	7630	0.470	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3677	0.456	ppbv	95
29) Chloroform	2.849	83	12442	0.485	ppbv	88
30) Cyclohexane	3.858	84	5766	0.373	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	7660	0.453	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	12771	0.478	ppbv	99
34) 2-Butanone	2.561	43	11264	0.462	ppbv	91
35) Carbon Tetrachloride	3.768	117	12918	0.496	ppbv	90
36) Benzene	3.658	78	15489	0.454	ppbv	95
37) 1,2-Dichloroethane	3.221	62	10142	0.515	ppbv #	95
38) Trichloroethene	4.554	130	3506	0.246	ppbv #	79
39) 1,2-Dichloropropane	4.315	63	5553	0.445	ppbv	99
40) 1,4-Dioxane	4.603	88	1552	0.278	ppbv #	58
41) Tetrahydrofuran	3.062	42	4889	0.359	ppbv #	92
42) Bromodichloromethane	4.493	83	13046	0.479	ppbv #	97
43) Methyl Methacrylate	4.881	69	6358	0.367	ppbv	91
44) 2,2,4-Trimethylpentane	4.642	57	21476	0.373	ppbv	95
45) t-1,3-Dichloropropene	6.419	75	1800	0.103	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043150.D
 Acq On : 04 Nov 2025 11:55
 Operator : SY/MD
 Sample : Q3530-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

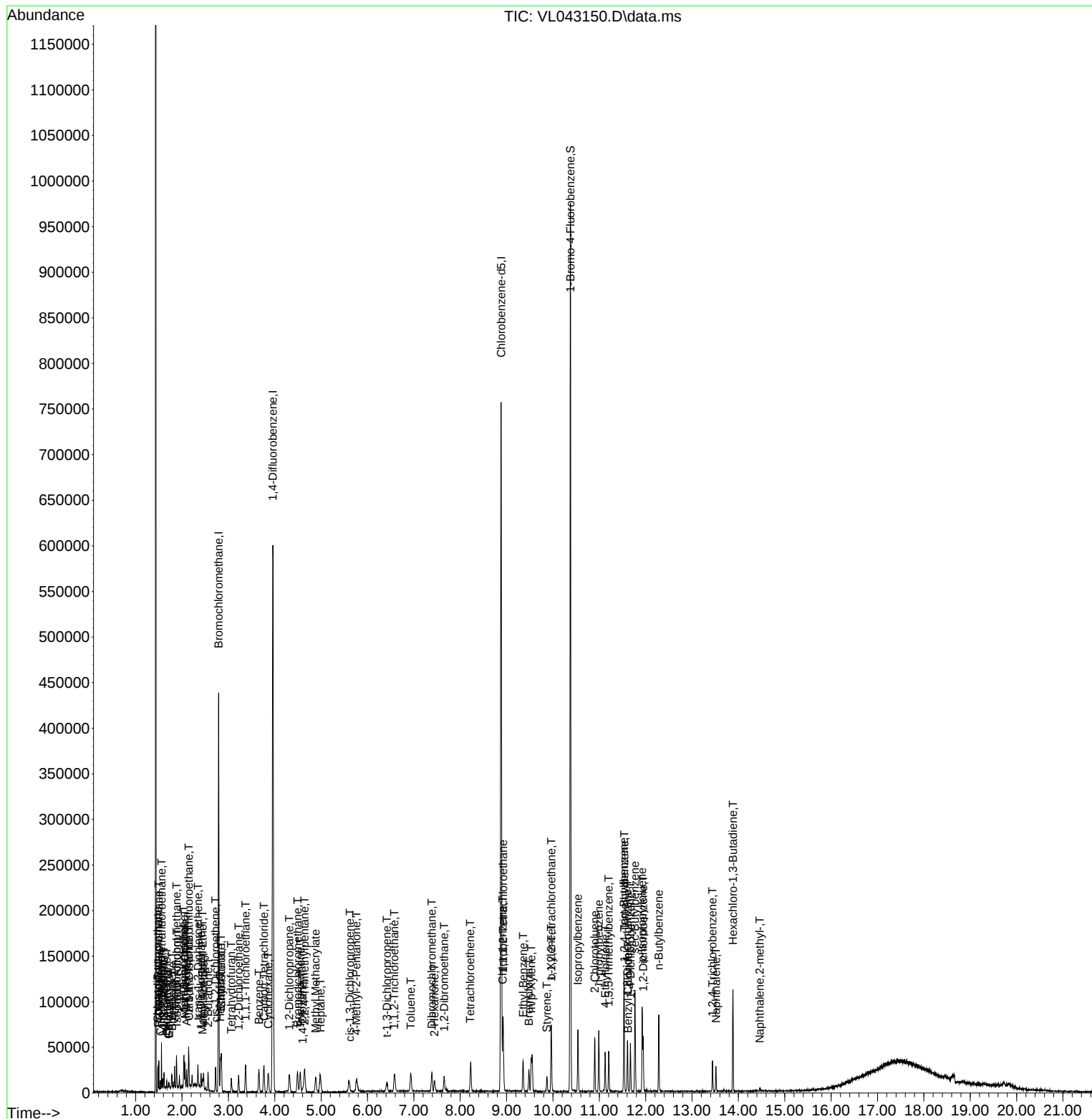
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	988	0.048	ppbv	92
47) 1,1,2-Trichloroethane	6.577	97	2073	0.154	ppbv #	37
48) Dibromochloromethane	7.386	129	10231	0.454	ppbv	97
49) Bromoform	9.481	173	4885	0.267	ppbv #	27
50) 4-Methyl-2-Pentanone	5.758	43	4644	0.138	ppbv #	38
51) 2-Hexanone	7.445	43	7485	0.297	ppbv #	99
52) Tetrachloroethene	8.218	164	3351	0.272	ppbv #	78
53) Toluene	6.937	91	8272	0.204	ppbv #	34
54) 1,2-Dibromoethane	7.652	107	9798	0.464	ppbv	86
56) 1,1,1,2-Tetrachloroethane	8.924	131	10189	0.516	ppbv #	1
57) Chlorobenzene	8.917	112	14013	0.478	ppbv #	84
58) Ethyl Benzene	9.358	91	19508	0.363	ppbv	94
59) m/p-Xylene	9.532	91	14411	0.336	ppbv #	29
60) o-Xylene	9.963	91	16019	0.378	ppbv	97
61) Styrene	9.869	104	6498	0.340	ppbv	96
62) Isopropylbenzene	10.539	105	30545	0.399	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	13112	0.462	ppbv	98
64) n-propylbenzene	10.989	120	7654	0.378	ppbv	95
65) tert-Butylbenzene	11.533	119	26729	0.396	ppbv	98
66) Benzyl Chloride	11.620	91	1811	0.241	ppbv	99
67) sec-Butylbenzene	11.766	105	40169	0.419	ppbv	97
69) p-Isopropyltoluene	11.924	119	30464	0.374	ppbv	99
70) n-Butylbenzene	12.283	91	27554	0.343	ppbv	98
71) 2-Chlorotoluene	10.901	91	22987	0.394	ppbv	99
72) 4-Ethyltoluene	11.128	105	18484	0.355	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	16353	0.381	ppbv	87
74) 1,2,4-Trimethylbenzene	11.539	105	19486	0.406	ppbv #	82
75) 1,3-Dichlorobenzene	11.607	146	13526	0.485	ppbv	97
76) 1,4-Dichlorobenzene	11.672	146	13108	0.466	ppbv	95
77) 1,2-Dichlorobenzene	11.947	146	13838	0.513	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	11610	0.556	ppbv	96
79) Naphthalene	13.517	128	13133	0.261	ppbv #	97
80) Naphthalene,2-methyl-	14.462	142	1597	0.122	ppbv	91
81) 1,2,4-Trichlorobenzene	13.439	180	5629	0.270	ppbv	93

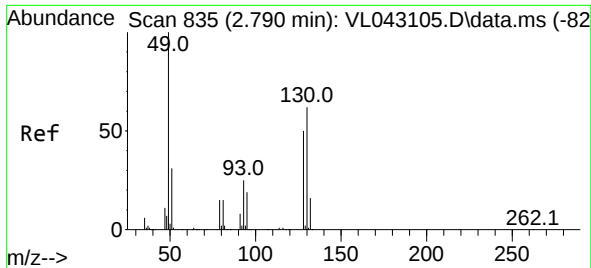
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043150.D
 Acq On : 04 Nov 2025 11:55
 Operator : SY/MD
 Sample : Q3530-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

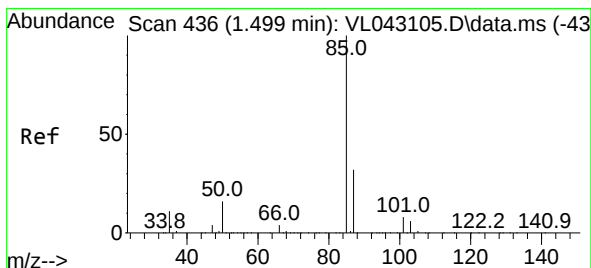
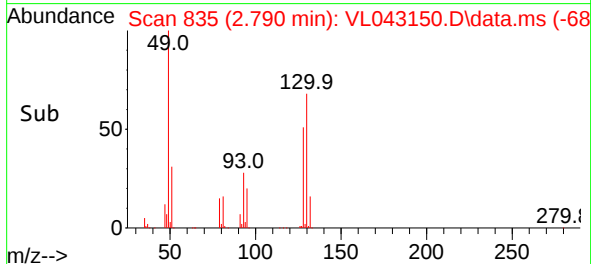
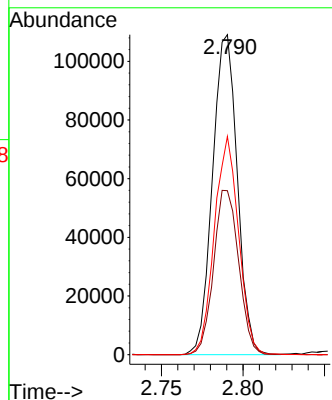
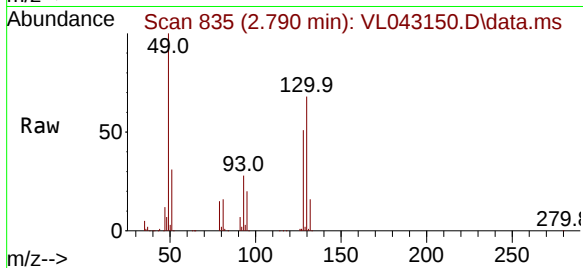




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

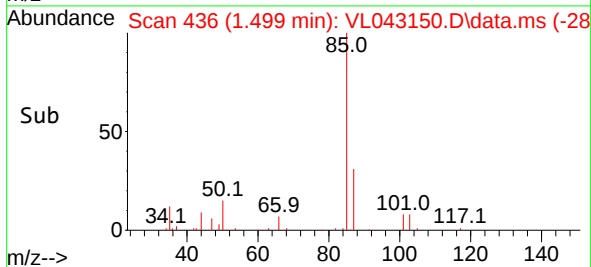
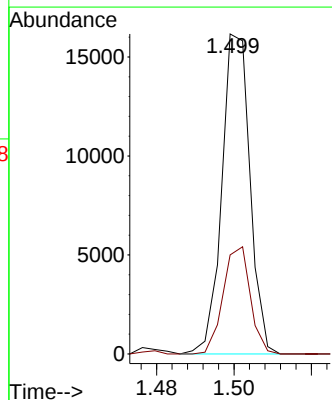
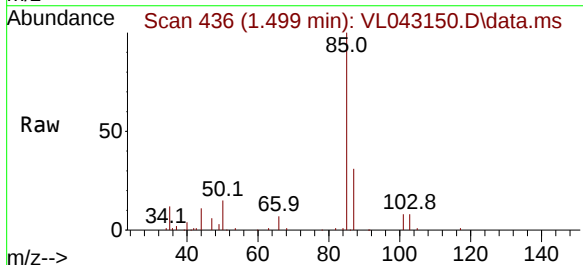
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

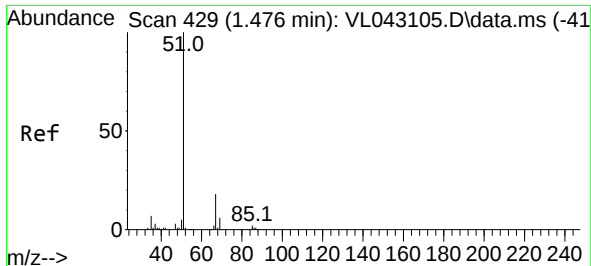
Tgt Ion: 49 Resp: 115039
Ion Ratio Lower Upper
49 100
128 52.2 24.4 73.4
130 66.7 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.499 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 85 Resp: 8165
Ion Ratio Lower Upper
85 100
87 31.0 25.3 37.9

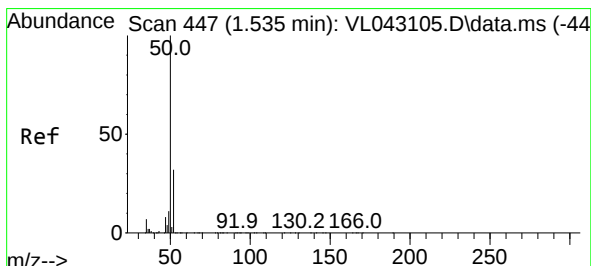
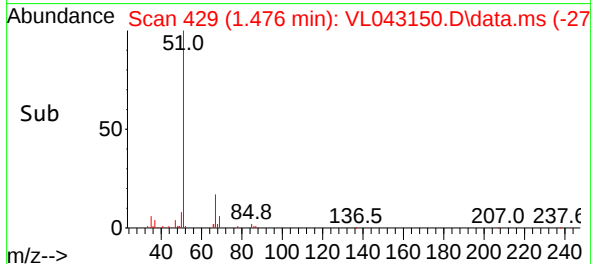
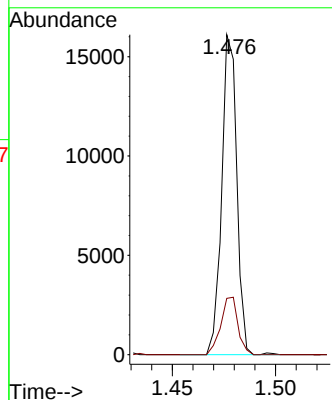
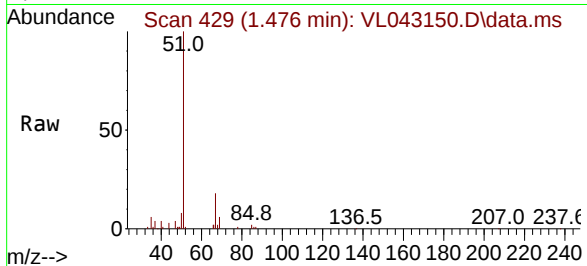




#3
Chlorodifluoromethane
Concen: 0.463 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

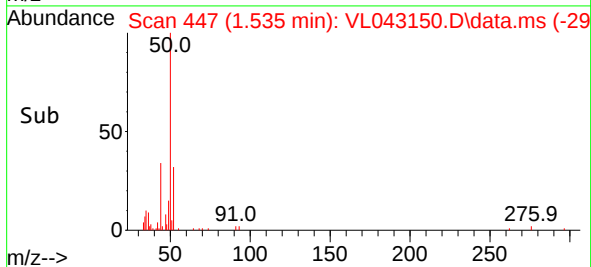
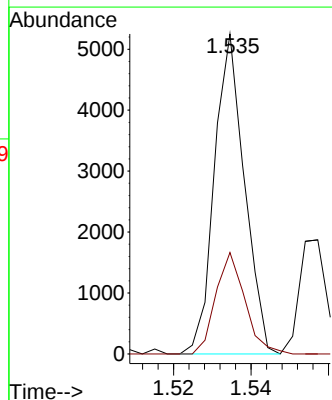
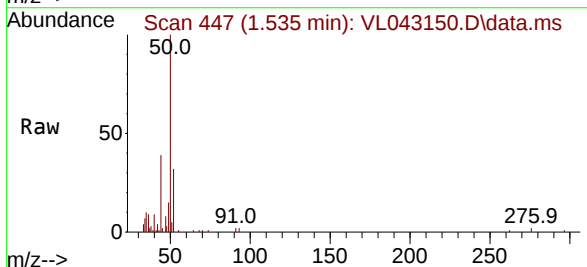
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

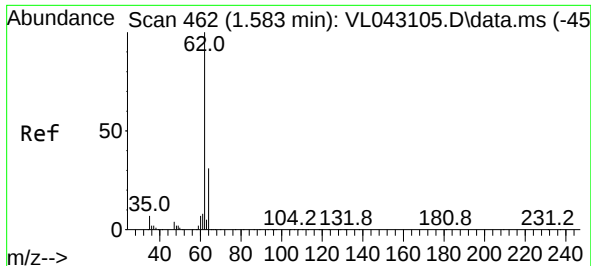
Tgt Ion: 51 Resp: 8187
Ion Ratio Lower Upper
51 100
67 20.4 15.1 22.7



#4
Chloromethane
Concen: 0.437 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 50 Resp: 2830
Ion Ratio Lower Upper
50 100
52 31.7 25.2 37.8

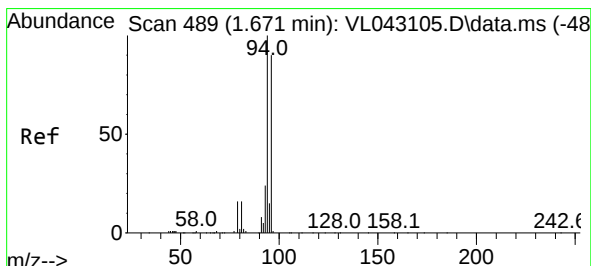
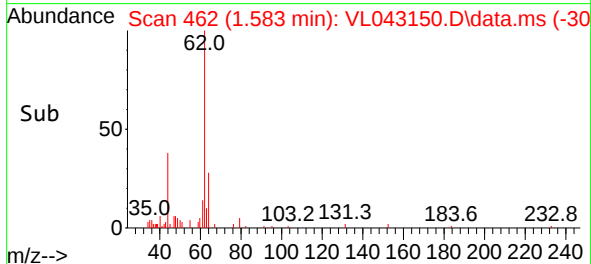
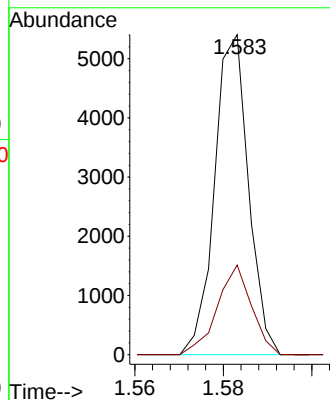
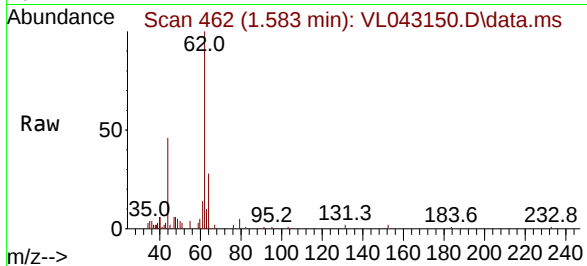




#5
 Vinyl Chloride
 Concen: 0.452 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

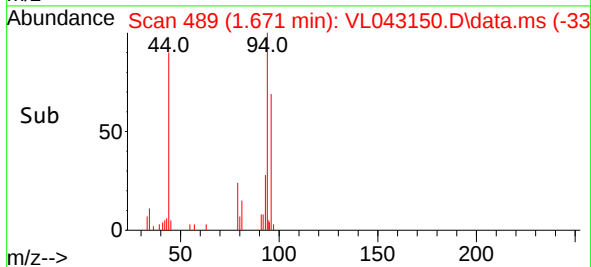
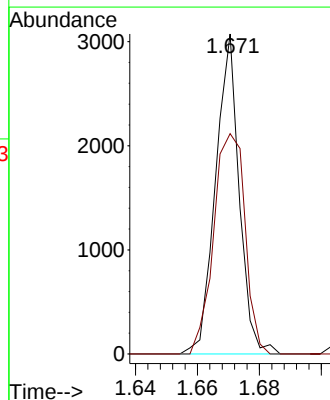
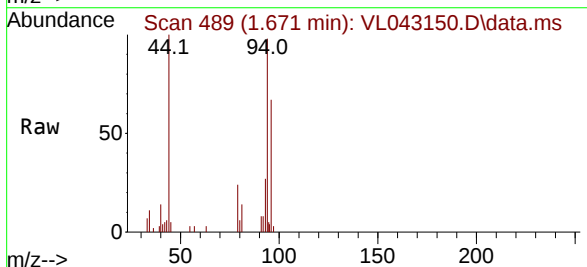
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

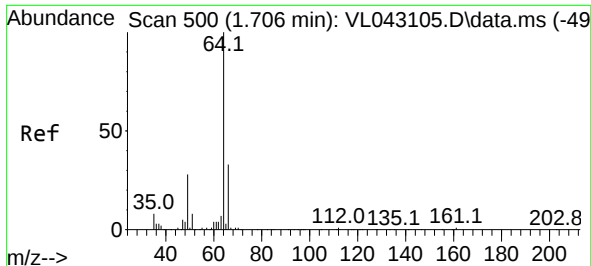
Tgt Ion: 62 Resp: 2873
 Ion Ratio Lower Upper
 62 100
 64 28.0 24.6 36.8



#6
 Bromomethane
 Concen: 0.467 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion: 94 Resp: 1627
 Ion Ratio Lower Upper
 94 100
 96 65.3 72.2 108.4#

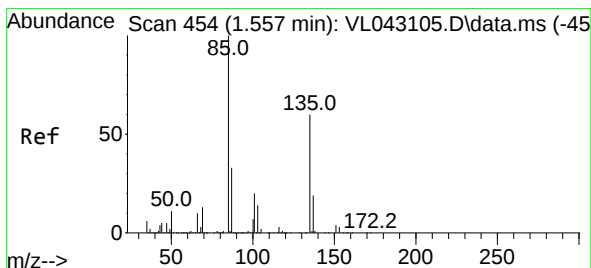
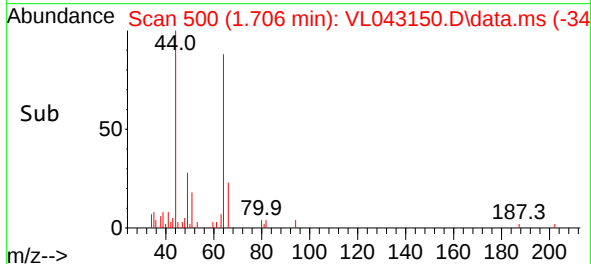
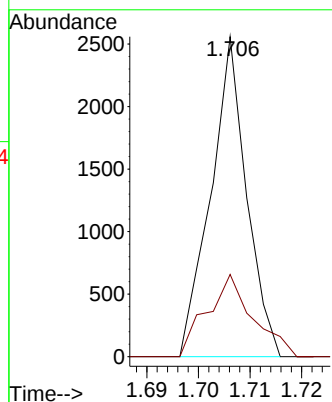
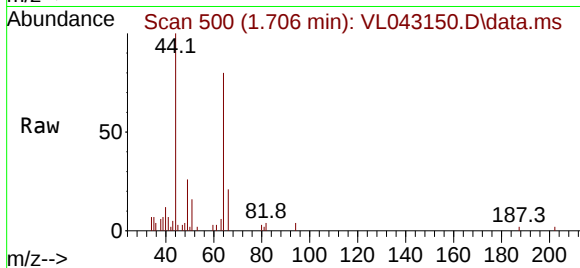




#7
Chloroethane
Concen: 0.475 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

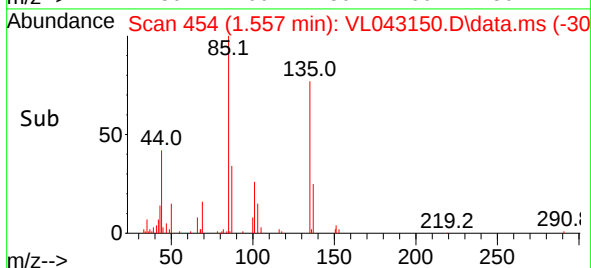
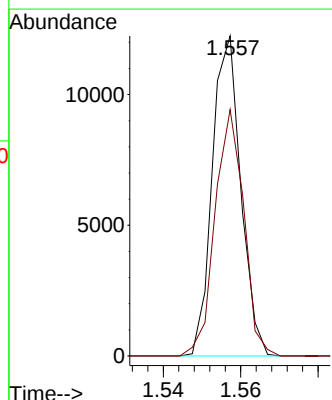
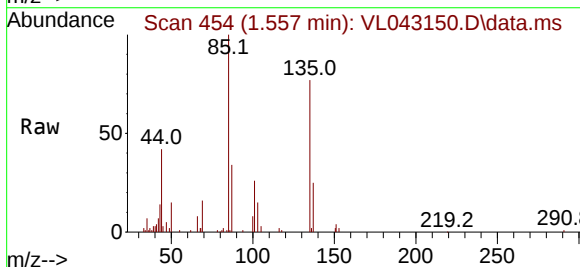
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

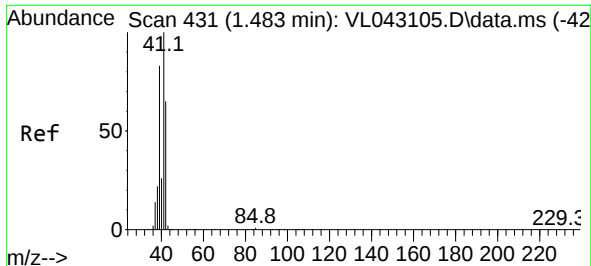
Tgt Ion: 64 Resp: 1233
Ion Ratio Lower Upper
64 100
66 25.7 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.472 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 85 Resp: 6244
Ion Ratio Lower Upper
85 100
135 77.7 48.2 72.4#





#9

Propene

Concen: 0.411 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

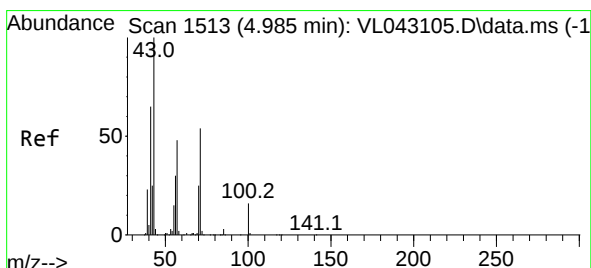
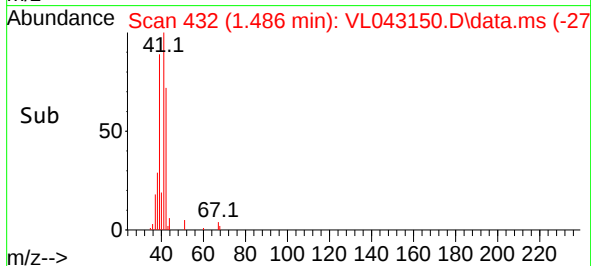
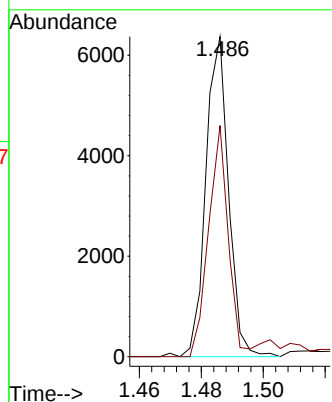
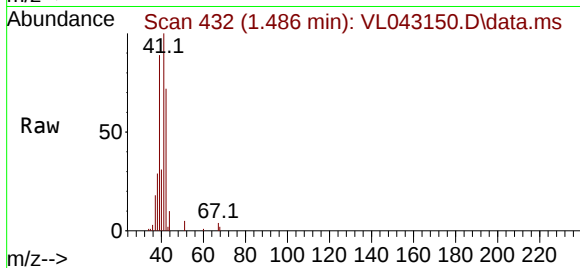
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 41 Resp: 3223

Ion Ratio Lower Upper

41 100

42 74.3 55.1 82.7



#10

Heptane

Concen: 0.268 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043150.D

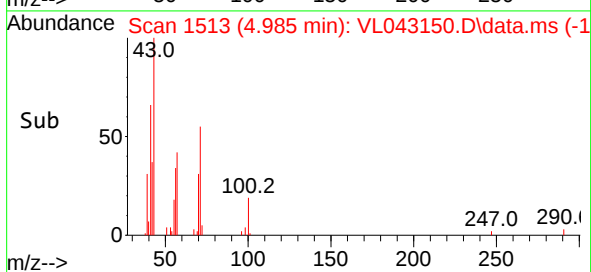
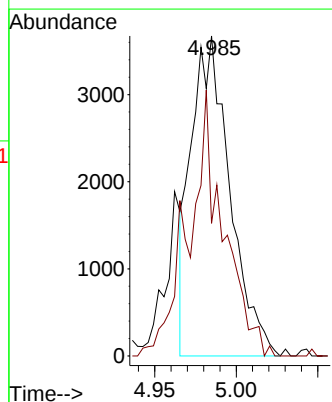
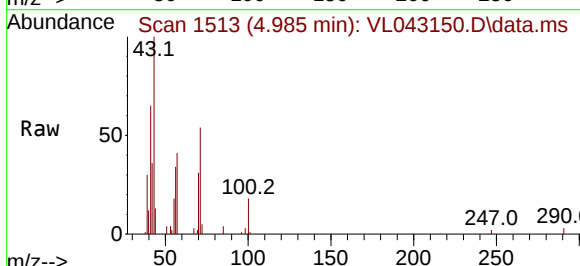
Acq: 04 Nov 2025 11:55

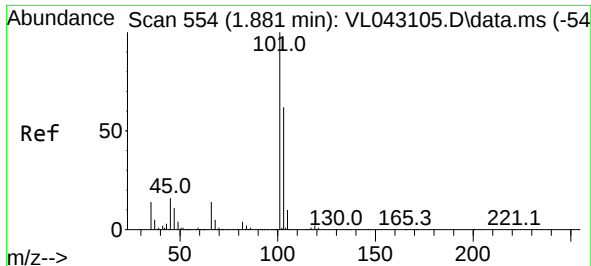
Tgt Ion: 43 Resp: 6047

Ion Ratio Lower Upper

43 100

57 74.6 40.8 61.2#

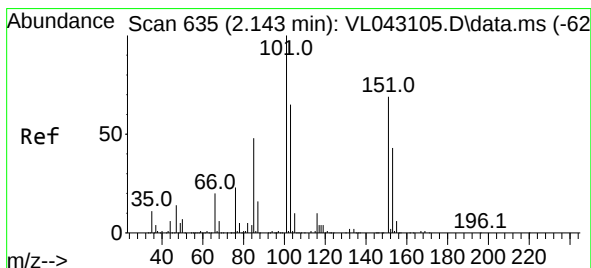
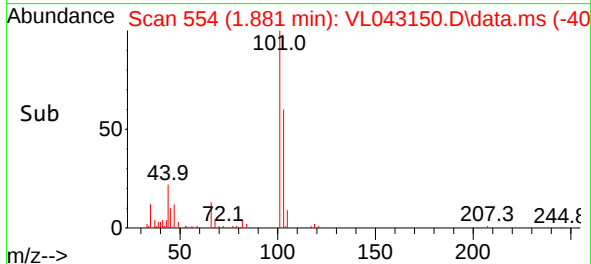
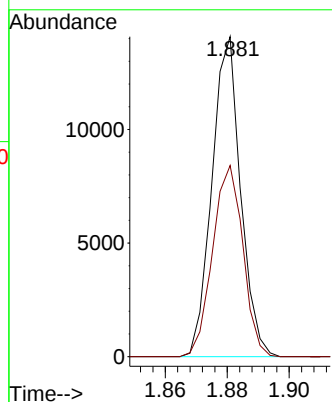
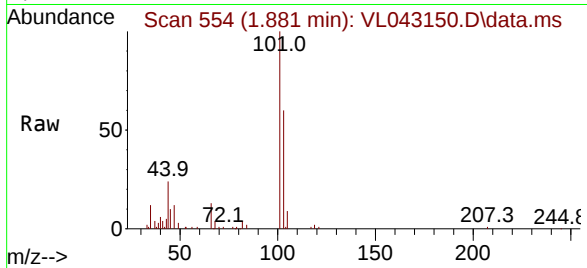




#11
 Trichlorofluoromethane
 Concen: 0.565 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

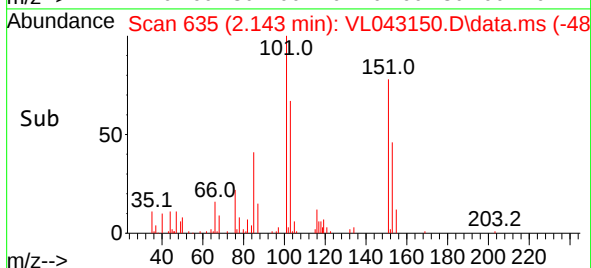
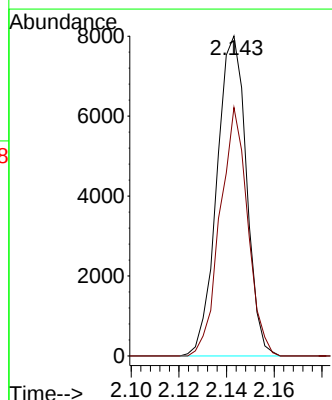
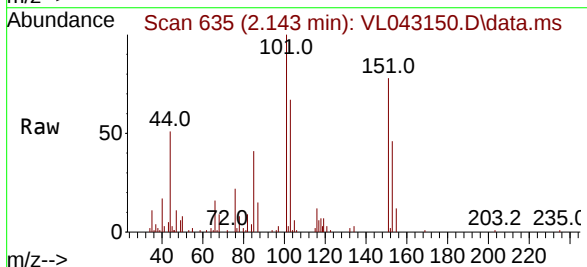
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

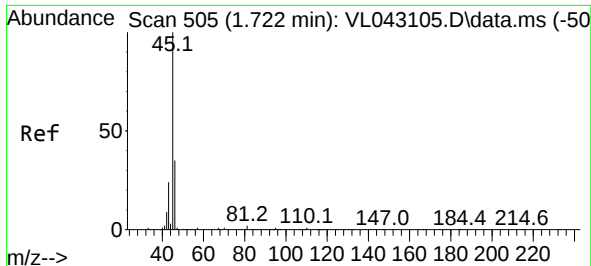
Tgt Ion:101 Resp: 9044
 Ion Ratio Lower Upper
 101 100
 103 59.8 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.534 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion:101 Resp: 6880
 Ion Ratio Lower Upper
 101 100
 151 72.8 54.7 82.1

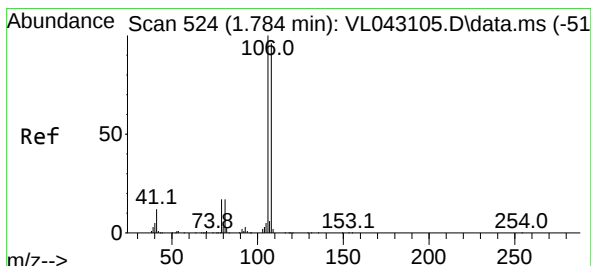
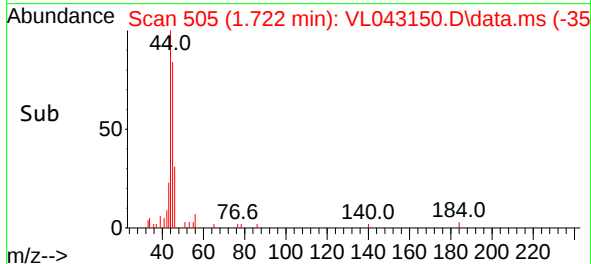
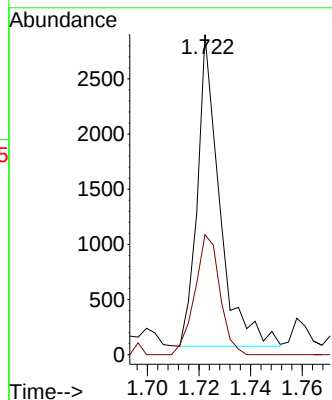
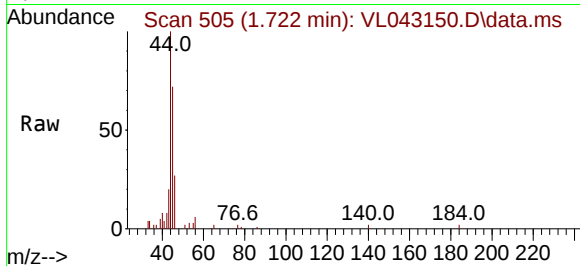




#13
Ethanol
Concen: 0.585 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

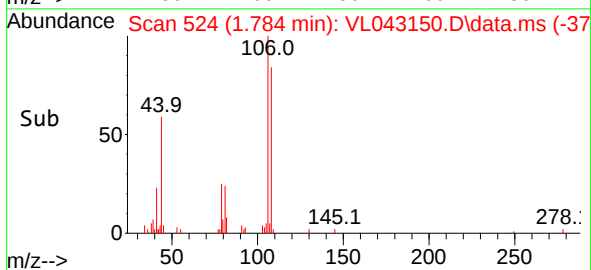
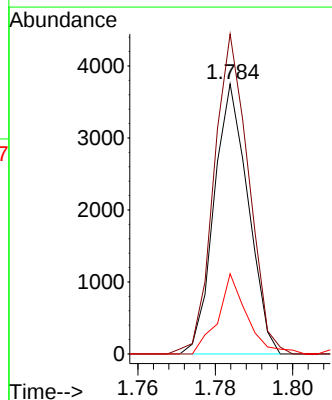
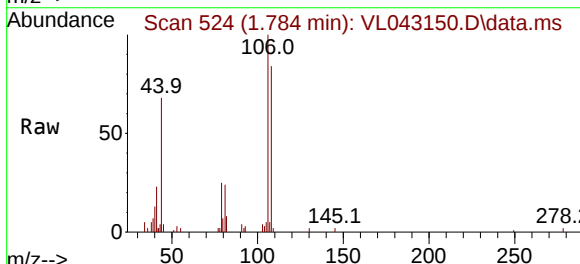
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

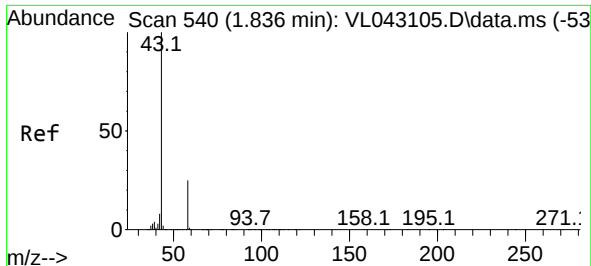
Tgt Ion: 45 Resp: 1697
Ion Ratio Lower Upper
45 100
46 43.1 14.7 58.9



#14
Bromoethene
Concen: 0.480 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 108 Resp: 2295
Ion Ratio Lower Upper
108 100
106 119.7 84.4 126.6
79 25.7 15.3 22.9

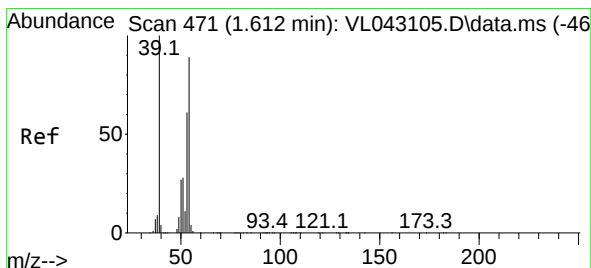
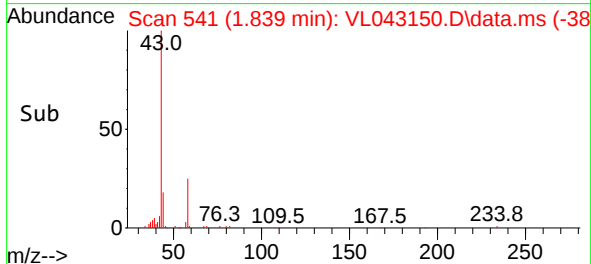
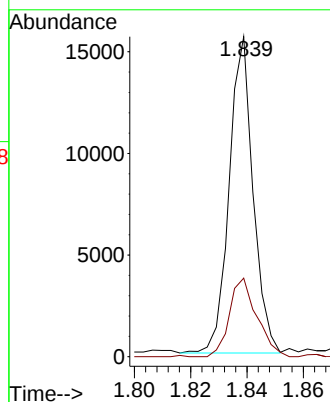
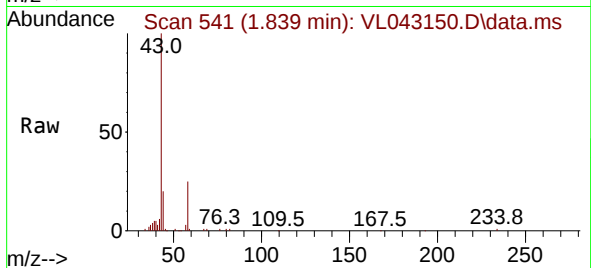




#15
Acetone
Concen: 0.591 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

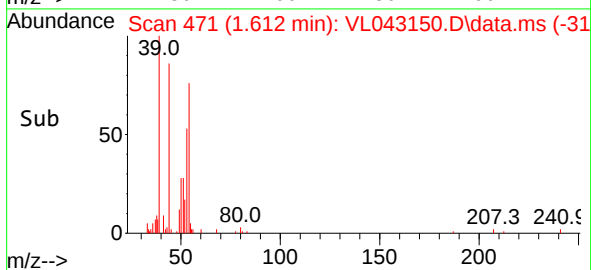
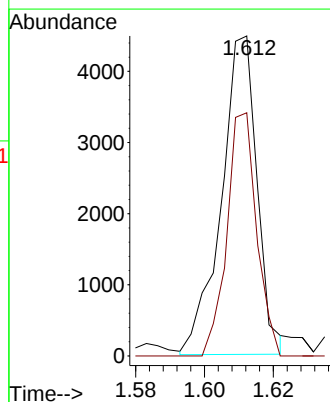
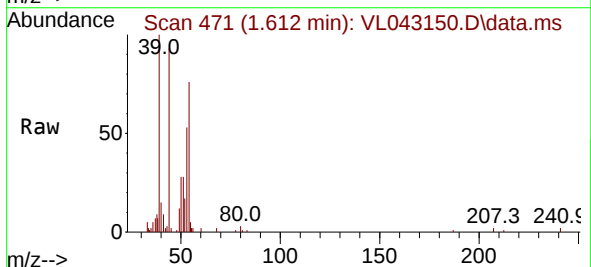
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

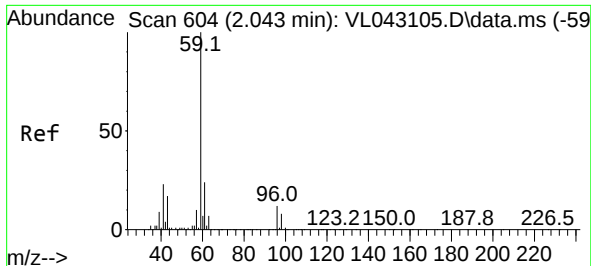
Tgt Ion: 43 Resp: 9162
Ion Ratio Lower Upper
43 100
58 28.9 20.8 31.2



#16
1,3-Butadiene
Concen: 0.438 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 39 Resp: 3240
Ion Ratio Lower Upper
39 100
54 64.1 59.0 88.4

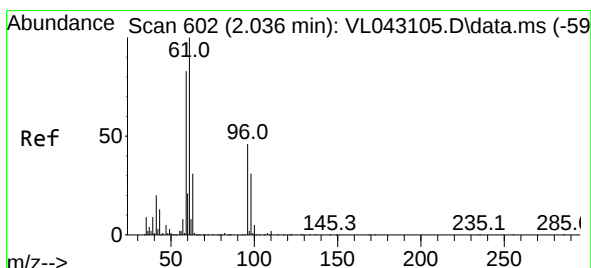
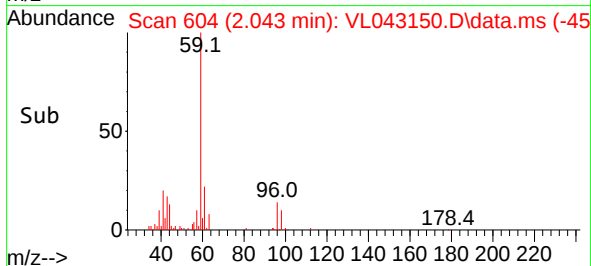
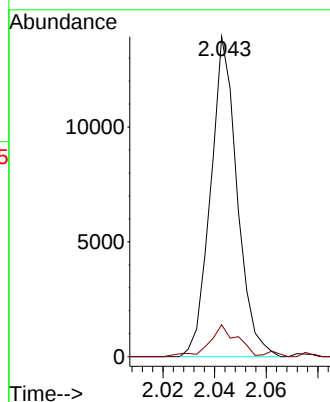
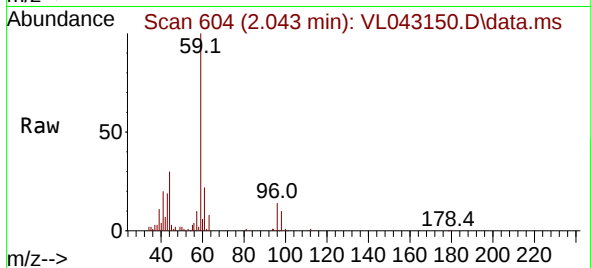




#17
tert-Butyl alcohol
Concen: 0.468 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

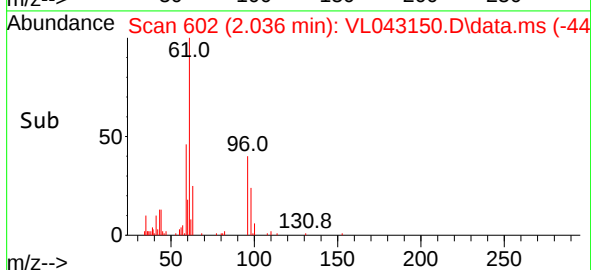
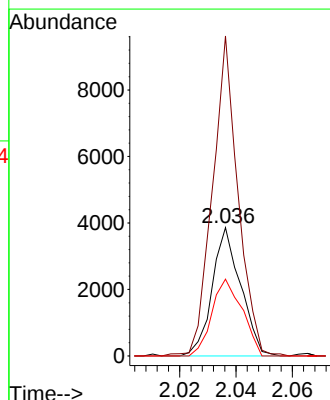
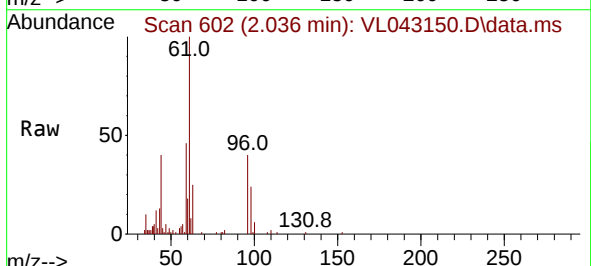
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2025

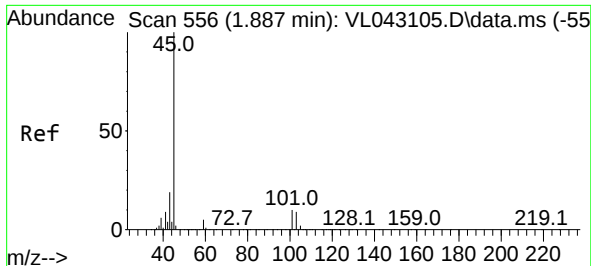
Tgt Ion: 59 Resp: 9965
Ion Ratio Lower Upper
59 100
57 12.0 8.2 12.4



#18
1,1-Dichloroethene
Concen: 0.484 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 96 Resp: 2719
Ion Ratio Lower Upper
96 100
61 247.9 173.4 260.0
98 59.9 53.2 79.8

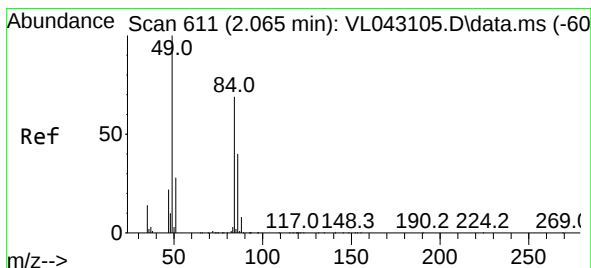
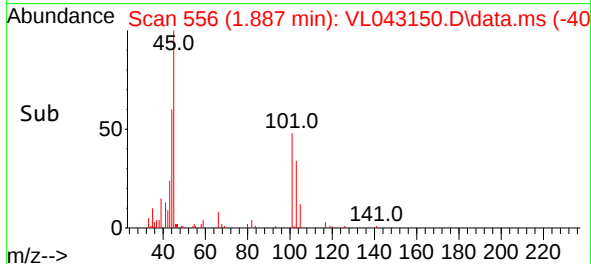
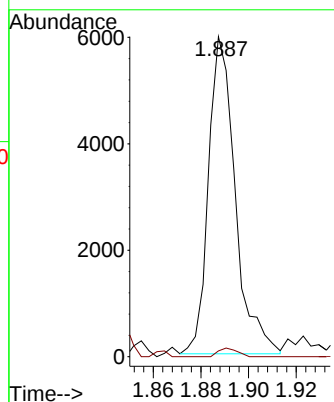
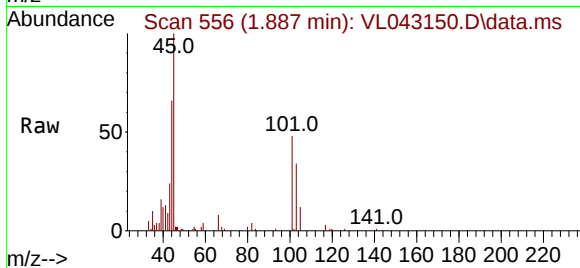




#19
Isopropyl Alcohol
Concen: 0.483 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

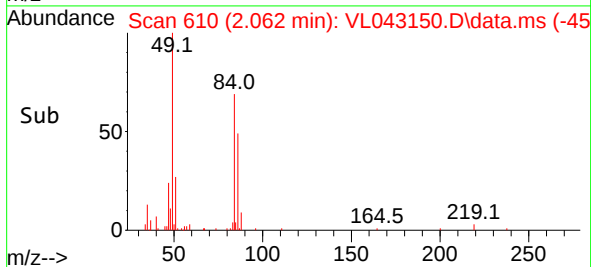
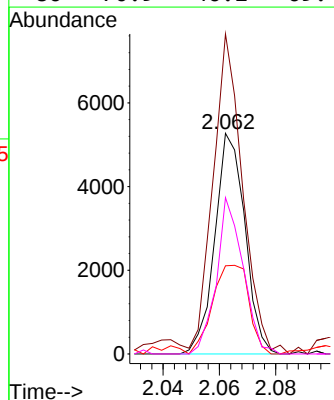
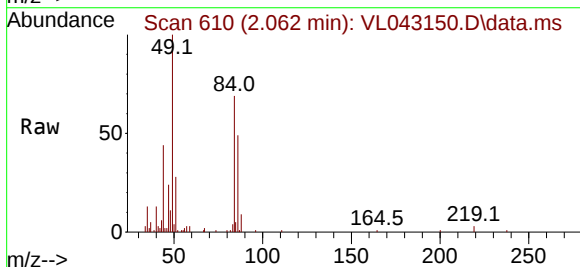
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

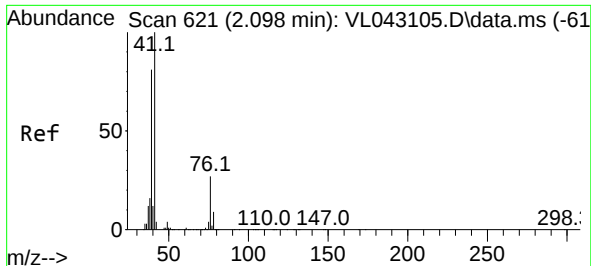
Tgt Ion: 45 Resp: 4662
Ion Ratio Lower Upper
45 100
58 56.8 31.3 46.9#



#20
Methylene Chloride
Concen: 0.639 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 84 Resp: 3917
Ion Ratio Lower Upper
84 100
49 141.0 116.6 175.0
51 40.0 34.8 52.2
86 70.9 46.2 69.4#

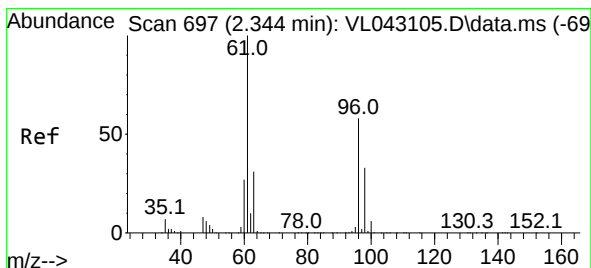
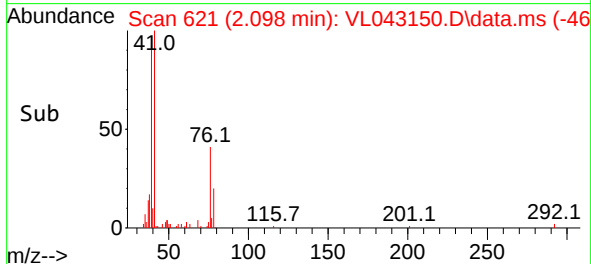
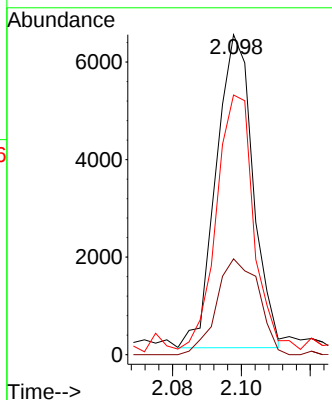
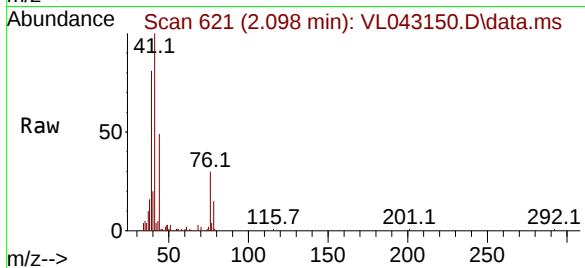




#21
 Allyl Chloride
 Concen: 0.418 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

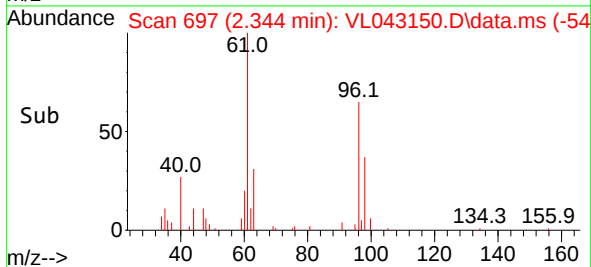
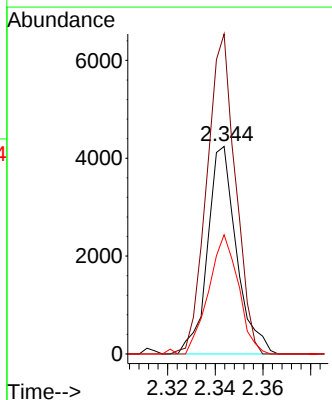
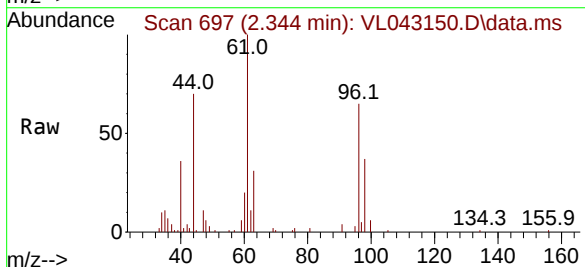
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

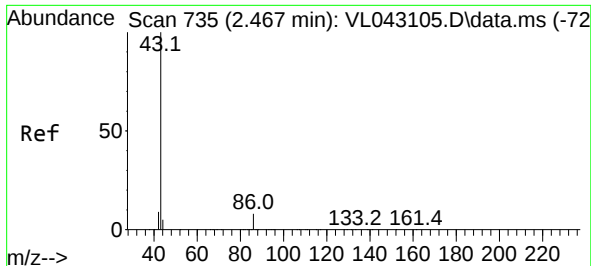
Tgt Ion: 41 Resp: 4781
 Ion Ratio Lower Upper
 41 100
 76 35.2 21.5 32.3#
 39 103.5 60.8 91.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.531 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion: 96 Resp: 3567
 Ion Ratio Lower Upper
 96 100
 61 154.2 137.0 205.6
 98 57.4 45.5 68.3

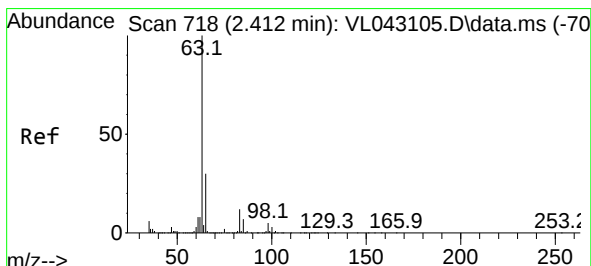
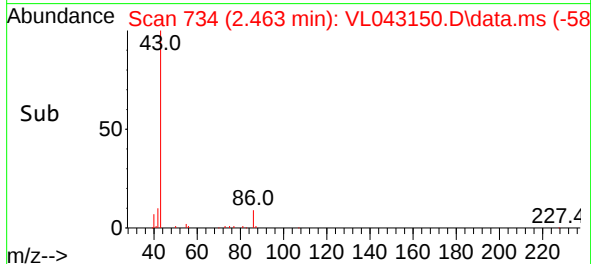
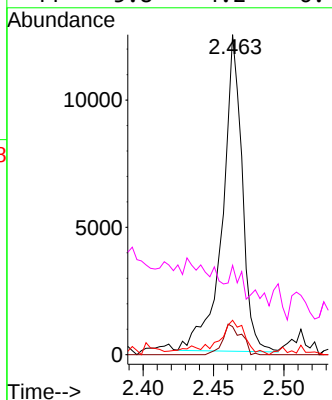
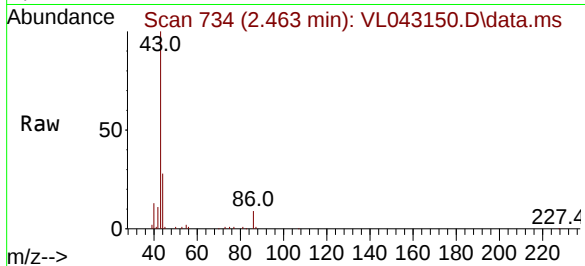




#23
 Vinyl Acetate
 Concen: 0.532 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

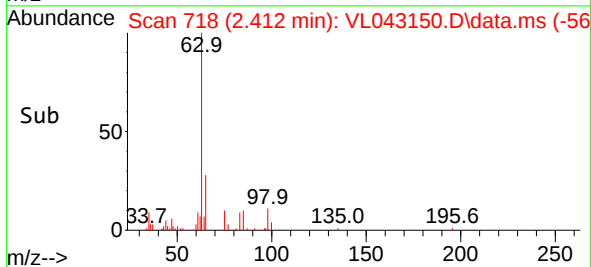
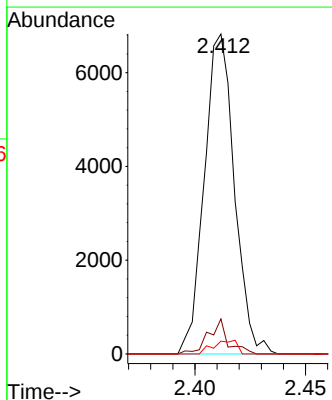
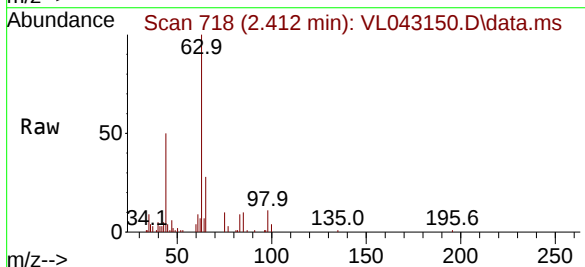
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

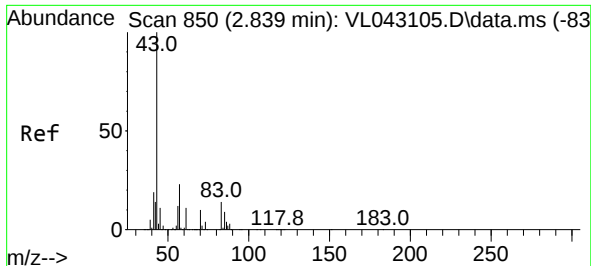
Tgt Ion: 43	Resp: 12089
Ion Ratio	Lower Upper
43 100	
86 8.9	6.2 9.2
42 9.8	7.6 11.4
44 5.8	4.2 6.4



#24
 1,1-Dichloroethane
 Concen: 0.499 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion: 63	Resp: 6467
Ion Ratio	Lower Upper
63 100	
98 10.9	2.6 7.8#
100 4.0	1.5 4.4

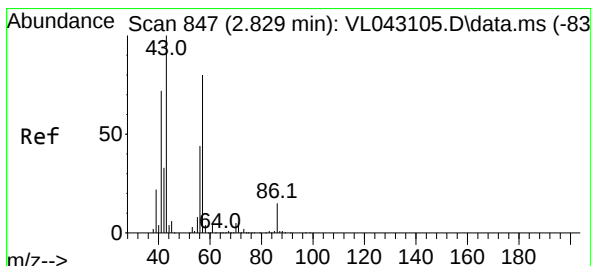
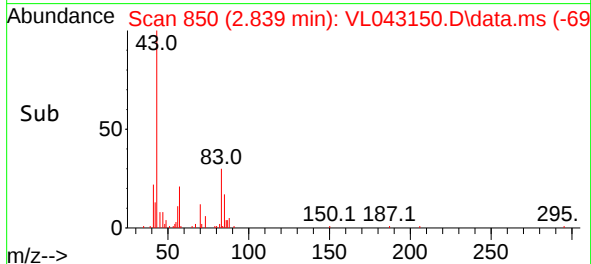
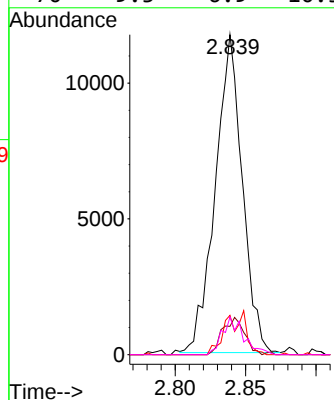
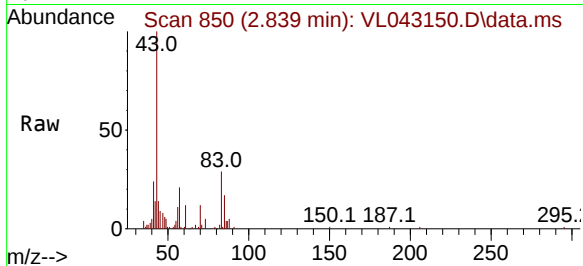




#25
Ethyl Acetate
Concen: 0.407 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

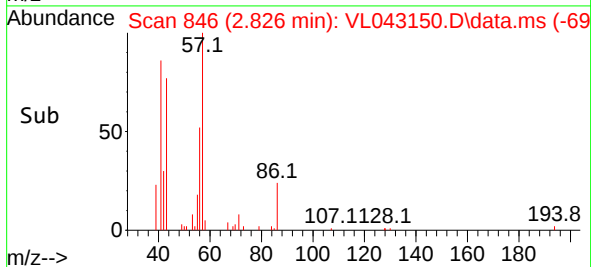
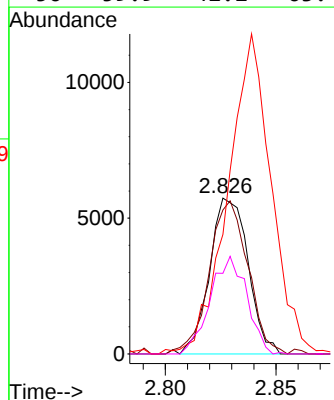
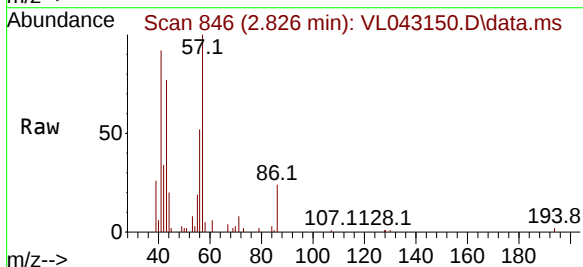
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

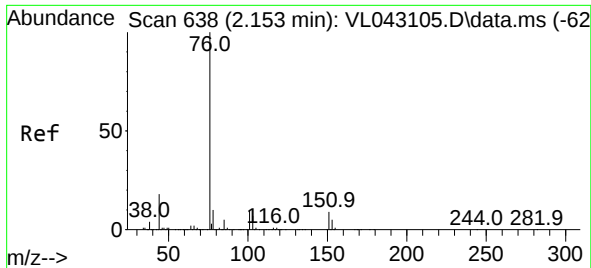
Tgt Ion: 43	Resp: 15643
Ion Ratio	Lower Upper
43 100	
45 9.7	7.8 11.8
61 10.4	7.0 10.6
70 9.3	6.9 10.3



#26
Hexane
Concen: 0.390 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 57	Resp: 6915
Ion Ratio	Lower Upper
57 100	
41 99.9	71.4 107.0
43 234.6	178.5 267.7
56 59.9	42.2 63.4

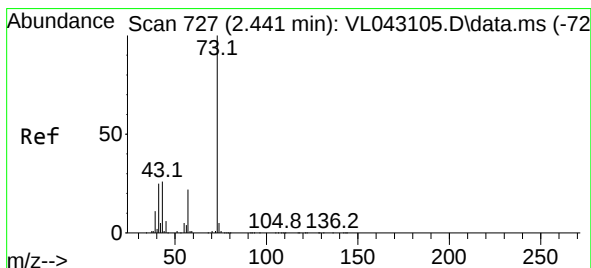
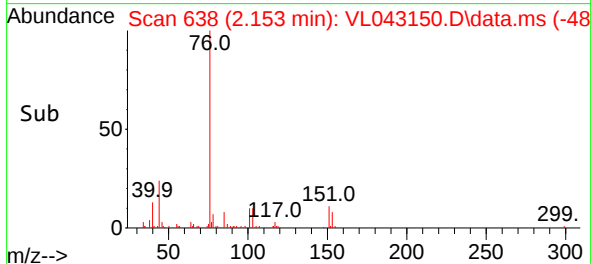
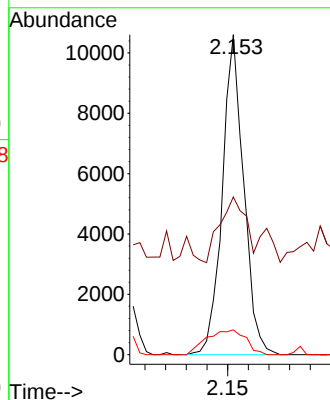
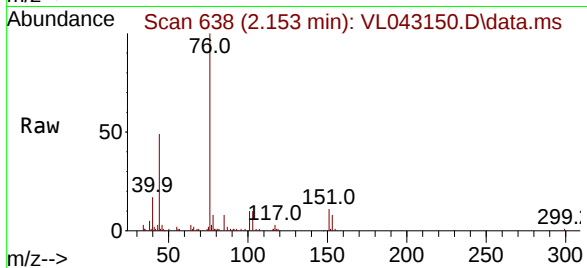




#27
Carbon Disulfide
Concen: 0.470 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

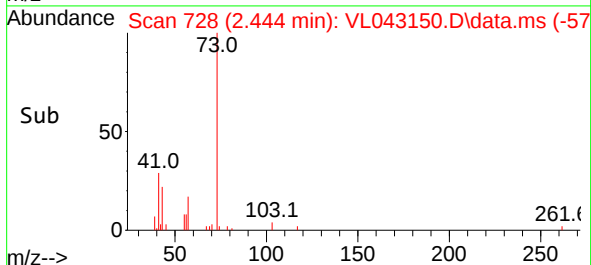
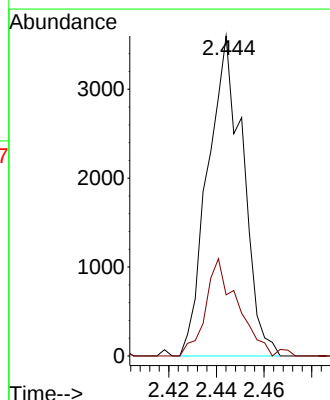
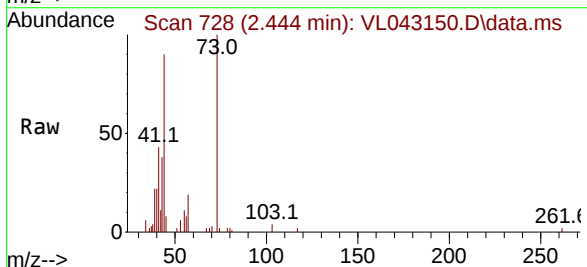
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

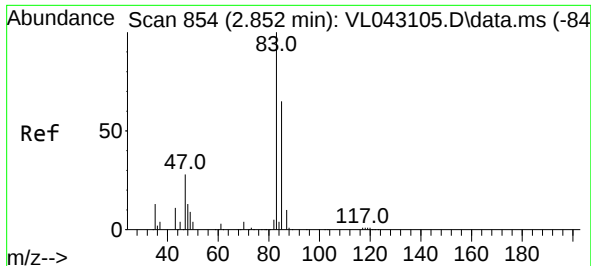
Tgt Ion: 76 Resp: 7630
Ion Ratio Lower Upper
76 100
44 167.8 16.7 25.1#
78 14.2 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.456 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 73 Resp: 3677
Ion Ratio Lower Upper
73 100
57 28.3 20.5 30.7





#29

Chloroform

Concen: 0.485 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

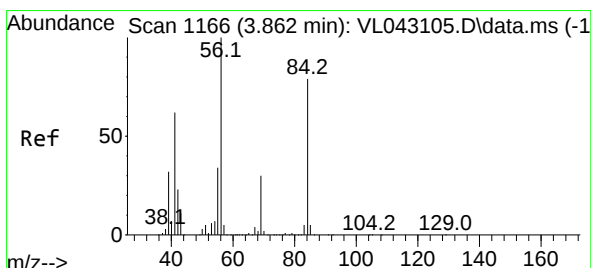
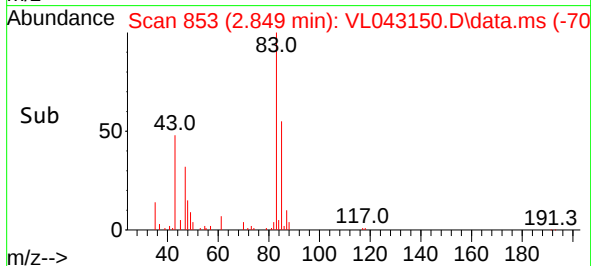
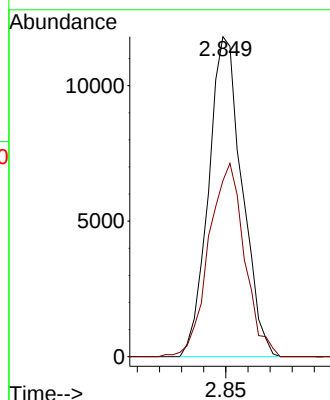
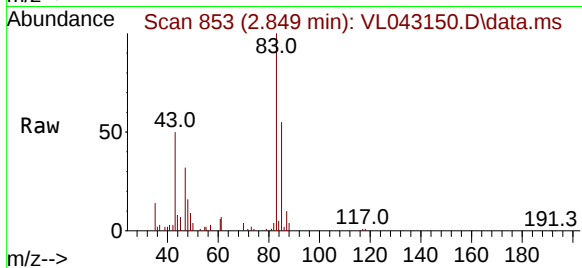
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 83 Resp: 12442

Ion Ratio Lower Upper

83 100

85 55.0 51.8 77.6



#30

Cyclohexane

Concen: 0.373 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

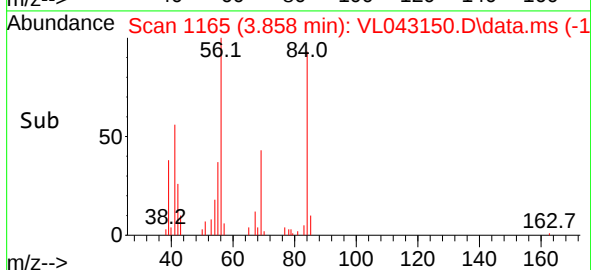
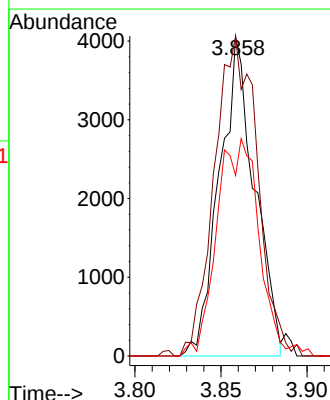
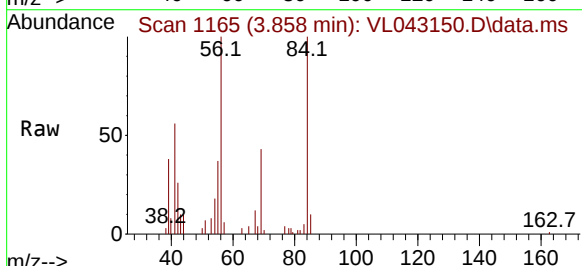
Tgt Ion: 84 Resp: 5766

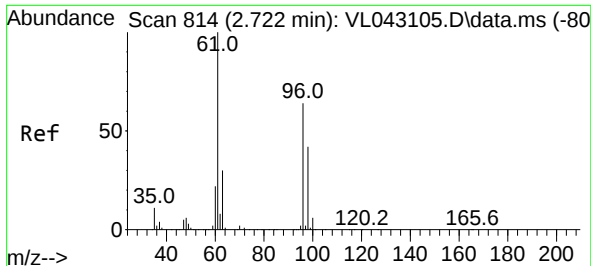
Ion Ratio Lower Upper

84 100

56 122.4 100.9 151.3

41 81.9 63.8 95.6

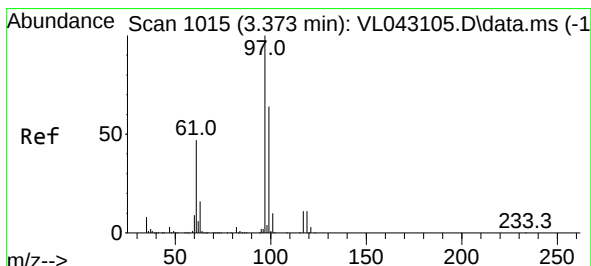
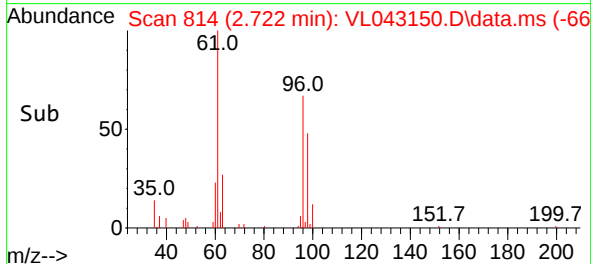
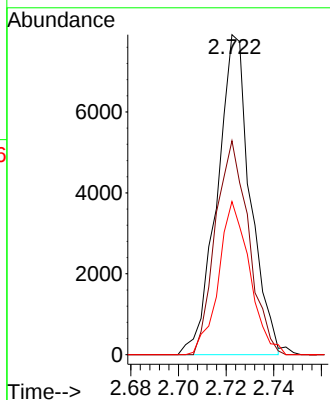
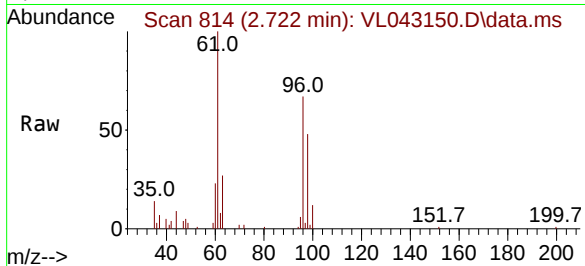




#31
 cis-1,2-Dichloroethene
 Concen: 0.453 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

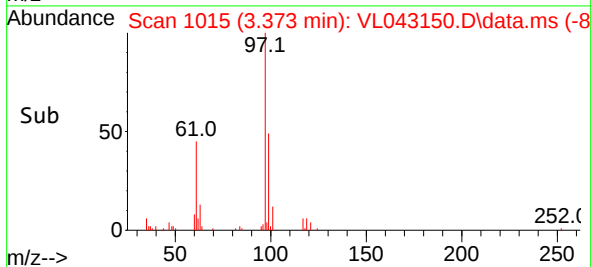
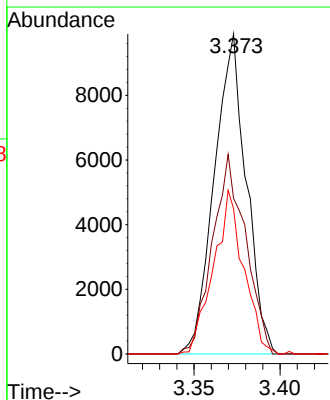
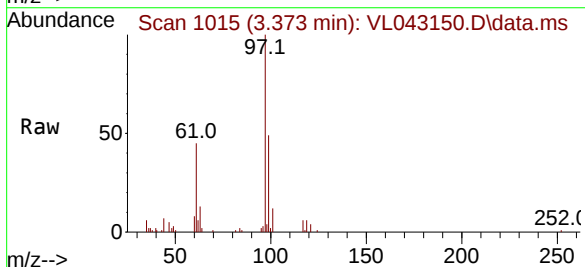
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

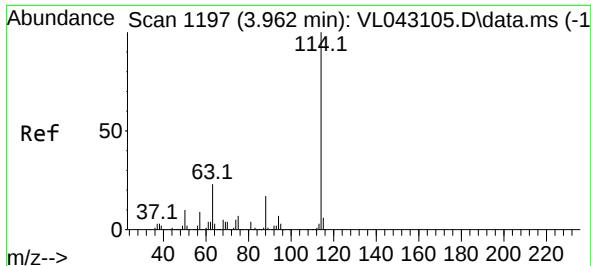
Tgt Ion:	61	Resp:	7660
Ion	Ratio	Lower	Upper
61	100		
96	66.8	51.0	76.6
98	47.9	33.5	50.3



#32
 1,1,1-Trichloroethane
 Concen: 0.478 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion:	97	Resp:	12771
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	48.5	38.4	57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

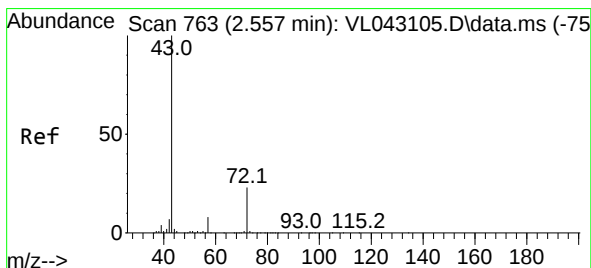
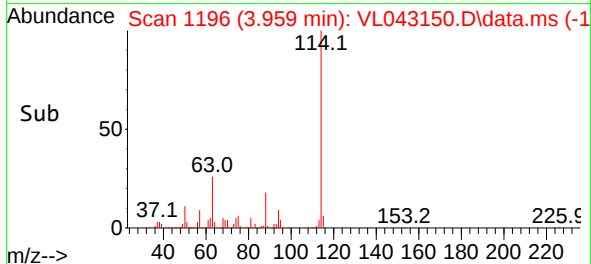
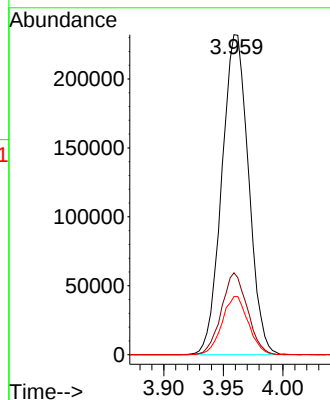
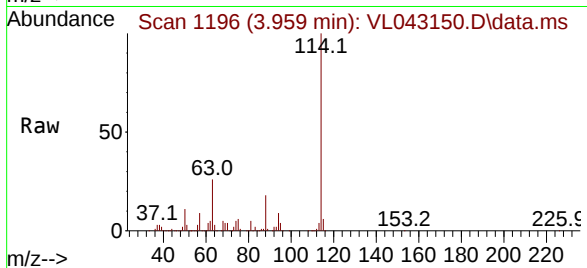
Tgt Ion:114 Resp: 362611

Ion Ratio Lower Upper

114 100

63 24.9 19.3 28.9

88 17.8 13.9 20.9



#34

2-Butanone

Concen: 0.462 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043150.D

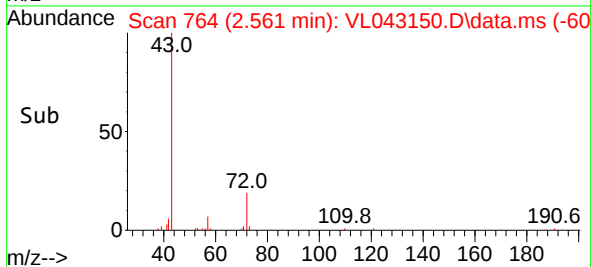
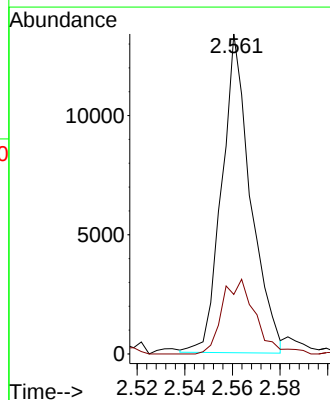
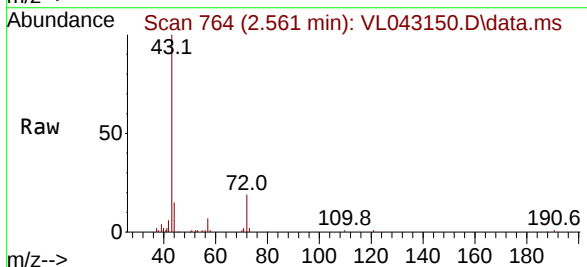
Acq: 04 Nov 2025 11:55

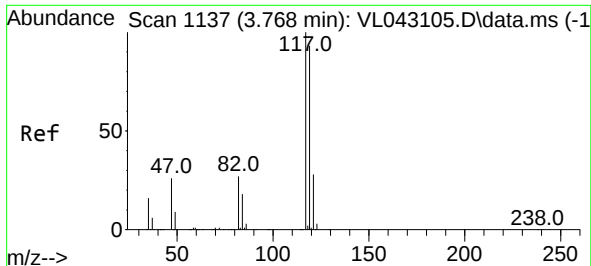
Tgt Ion: 43 Resp: 11264

Ion Ratio Lower Upper

43 100

72 27.4 18.4 27.6

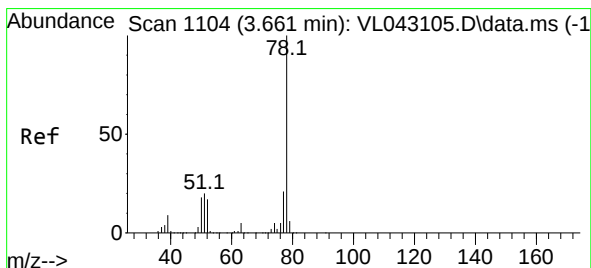
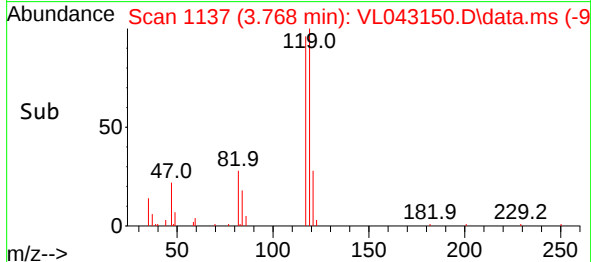
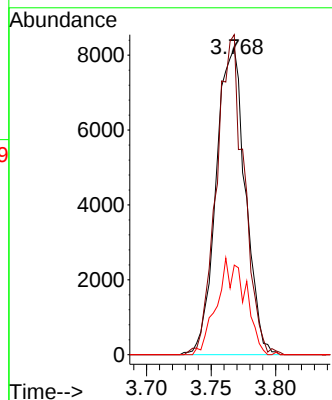
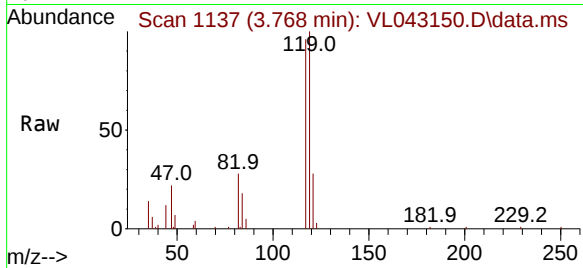




#35
Carbon Tetrachloride
Concen: 0.496 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

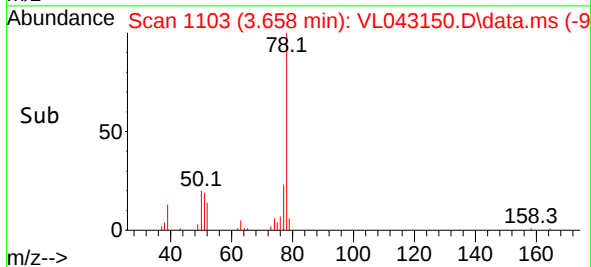
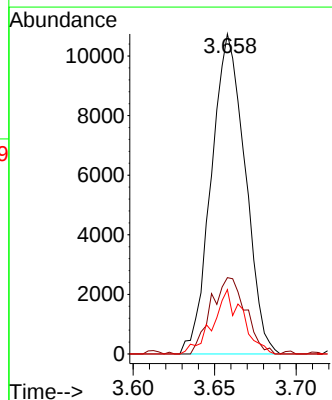
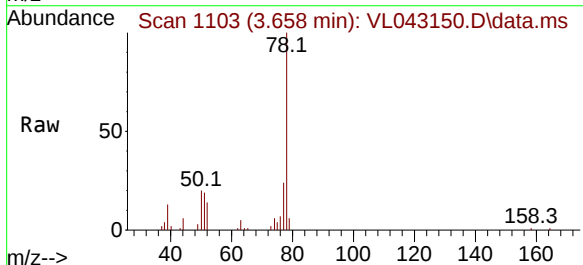
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

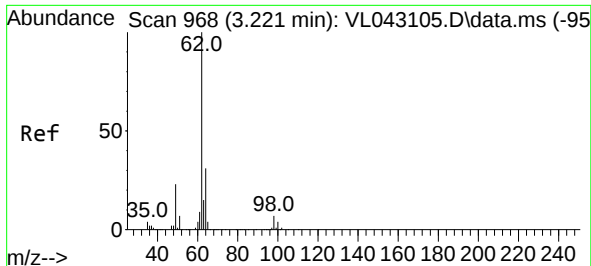
Tgt Ion:117	Resp:	12918
Ion	Ratio	Lower Upper
117	100	
119	104.5	74.1 111.1
121	29.3	22.2 33.2



#36
Benzene
Concen: 0.454 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 78	Resp:	15489
Ion	Ratio	Lower Upper
78	100	
77	23.9	17.0 25.6
50	20.1	14.6 22.0

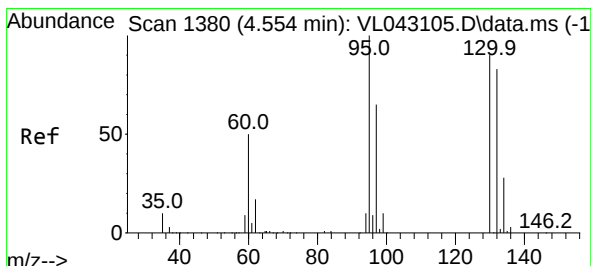
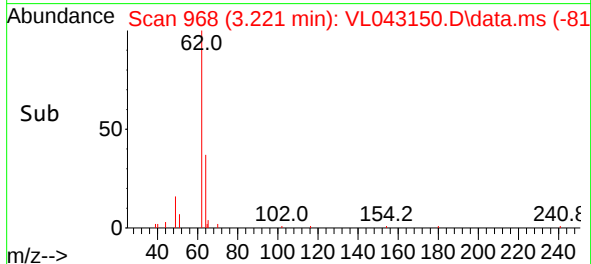
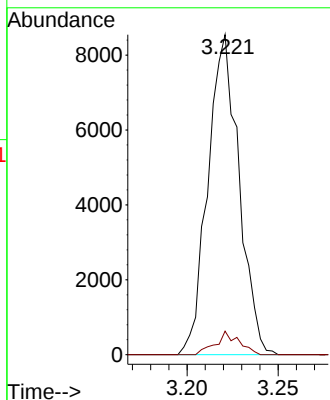
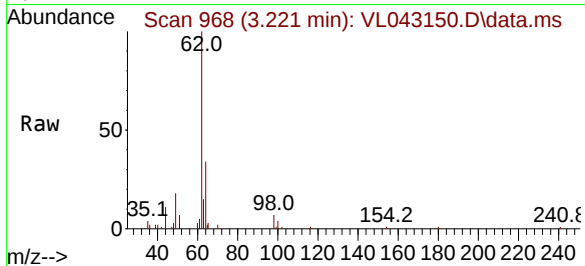




#37
1,2-Dichloroethane
Concen: 0.515 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

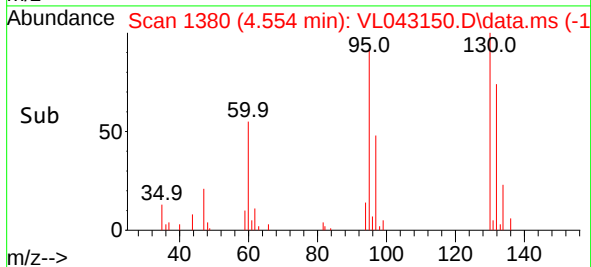
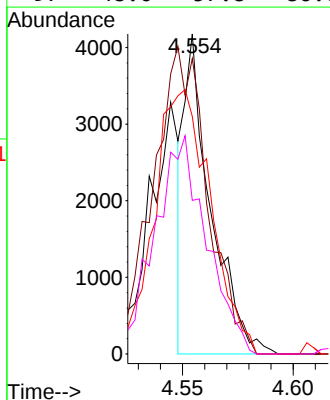
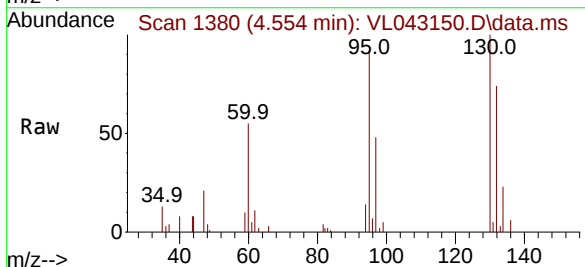
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

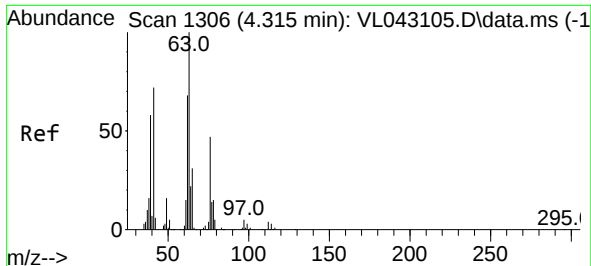
Tgt Ion: 62 Resp: 10142
Ion Ratio Lower Upper
62 100
98 5.5 5.8 8.6#



#38
Trichloroethene
Concen: 0.246 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:130 Resp: 3506
Ion Ratio Lower Upper
130 100
95 92.3 88.6 133.0
132 74.3 73.4 110.0
97 48.0 57.8 86.6#

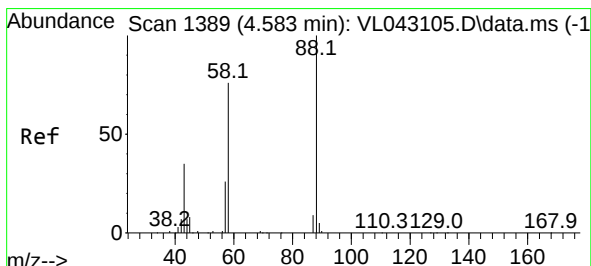
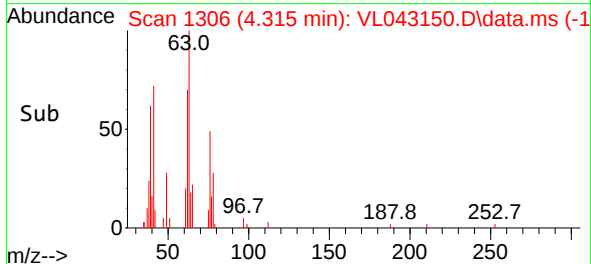
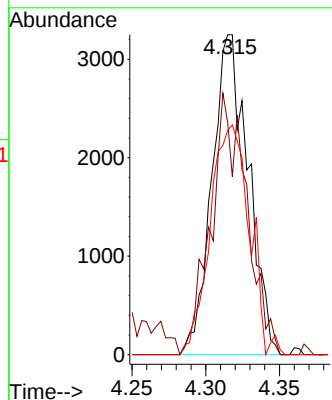
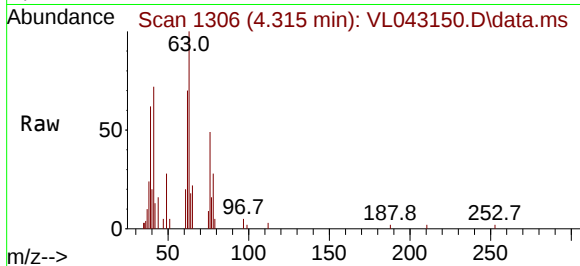




#39
1,2-Dichloropropane
Concen: 0.445 ppbv
RT: 4.315 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

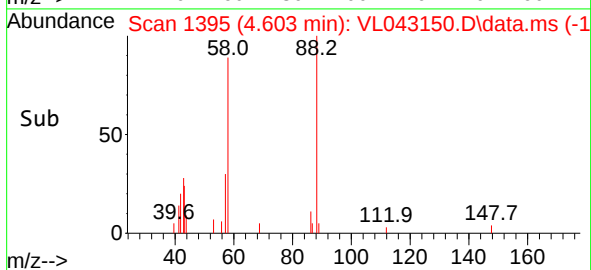
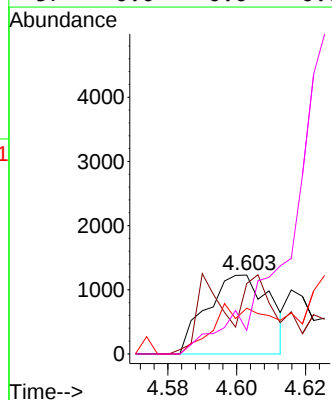
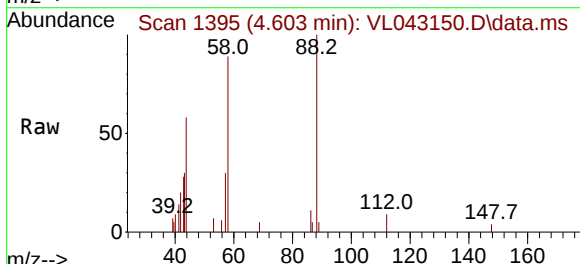
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

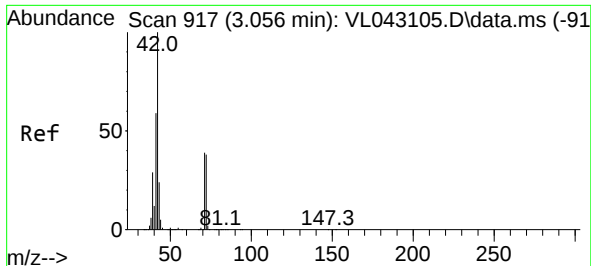
Tgt Ion:	63	Resp:	5553
Ion	Ratio	Lower	Upper
63	100		
41	72.4	58.0	87.0
62	70.2	54.7	82.1



#40
1,4-Dioxane
Concen: 0.278 ppbv
RT: 4.603 min Scan# 1395
Delta R.T. 0.019 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:	88	Resp:	1552
Ion	Ratio	Lower	Upper
88	100		
58	108.4	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0

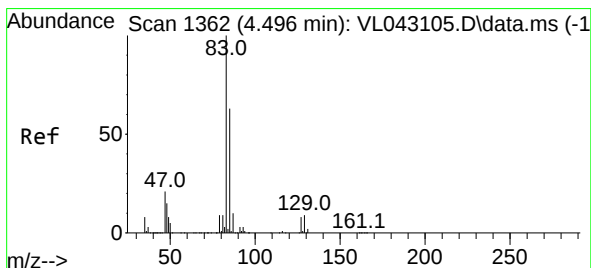
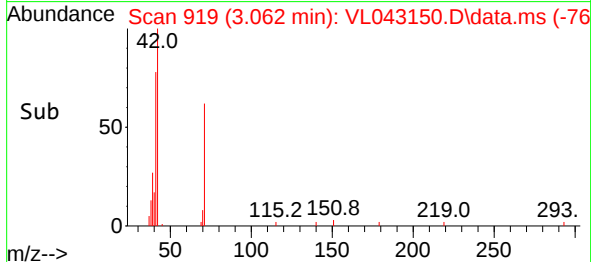
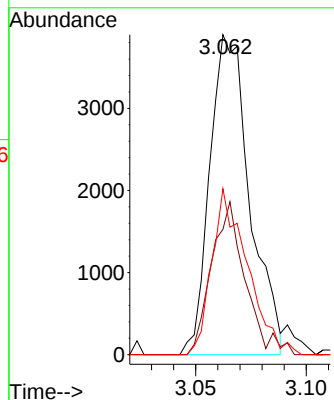
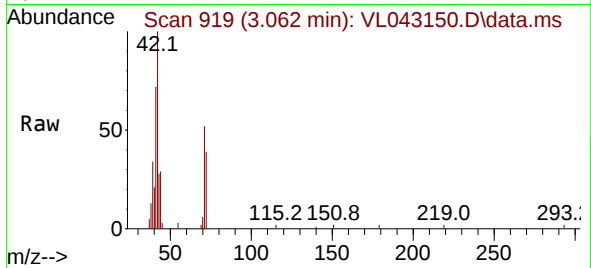




#41
Tetrahydrofuran
Concen: 0.359 ppbv
RT: 3.062 min Scan# 917
Delta R.T. 0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

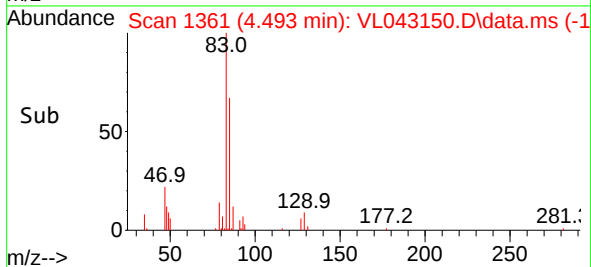
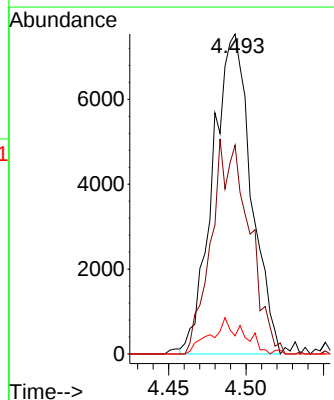
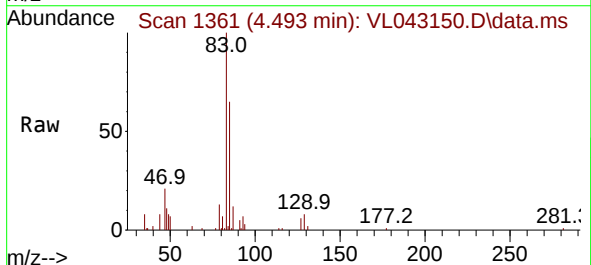
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 42 Resp: 4889
Ion Ratio Lower Upper
42 100
72 40.4 31.3 46.9
71 46.1 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.479 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 83 Resp: 13046
Ion Ratio Lower Upper
83 100
85 65.2 50.6 75.8
127 5.7 6.3 9.5#

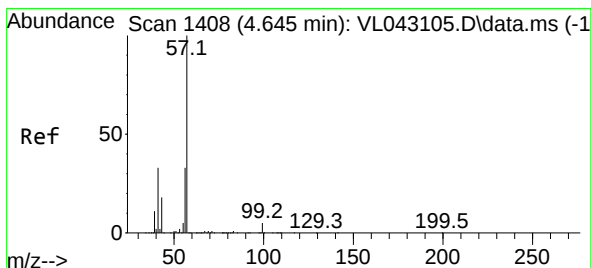
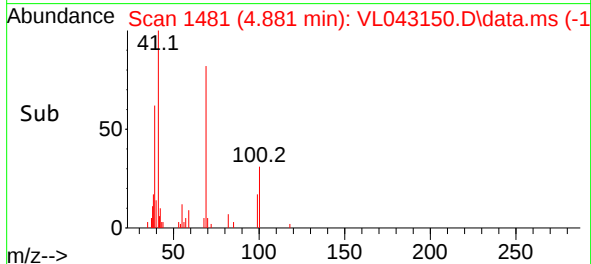
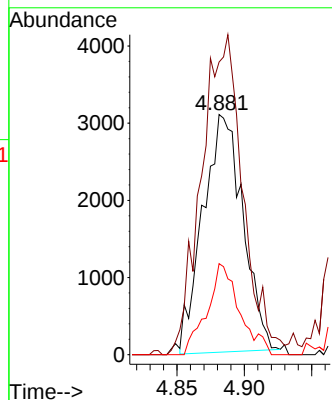
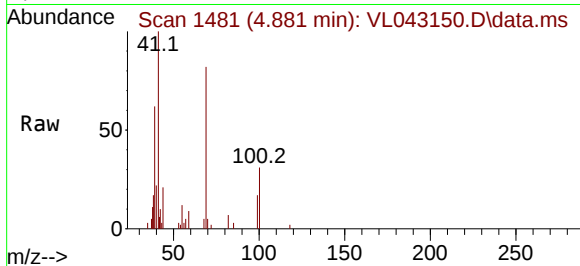




#43
Methyl Methacrylate
Concen: 0.367 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

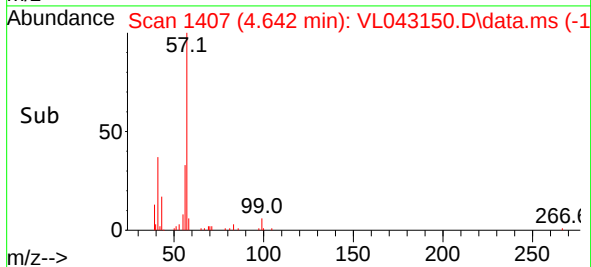
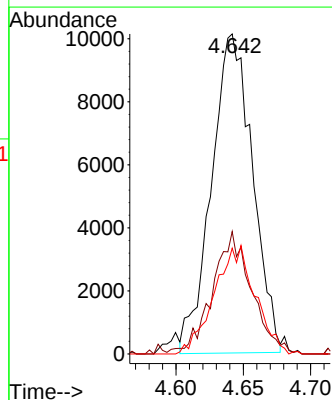
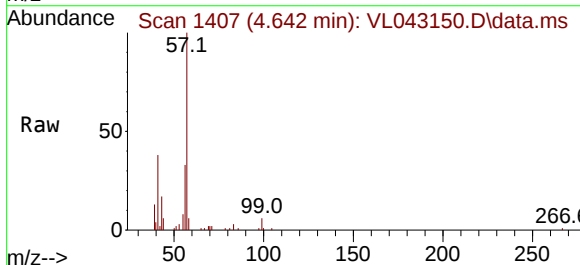
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2025

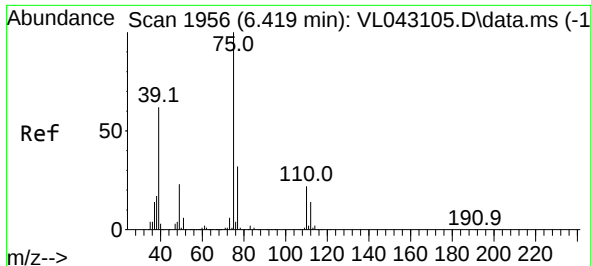
Tgt Ion:	69	Resp:	6358
Ion	Ratio	Lower	Upper
69	100		
41	139.6	120.5	180.7
100	31.1	29.0	43.4



#44
2,2,4-Trimethylpentane
Concen: 0.373 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:	57	Resp:	21476
Ion	Ratio	Lower	Upper
57	100		
41	37.2	26.3	39.5
56	34.0	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 0.103 ppbv

RT: 6.419 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

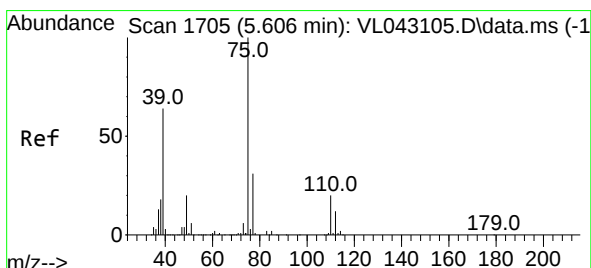
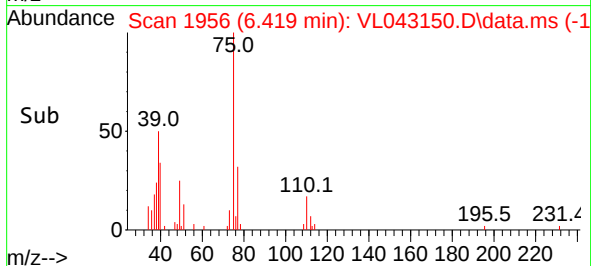
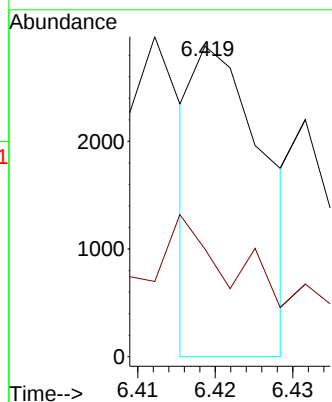
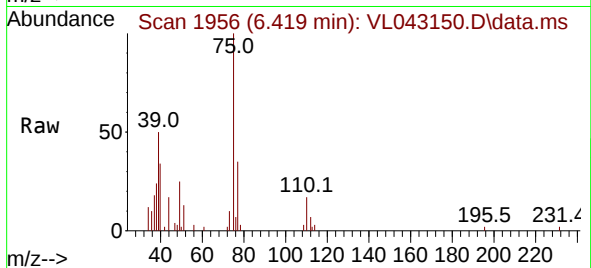
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 75 Resp: 1800

Ion Ratio Lower Upper

75 100

77 34.6 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.048 ppbv

RT: 5.622 min Scan# 1710

Delta R.T. 0.016 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

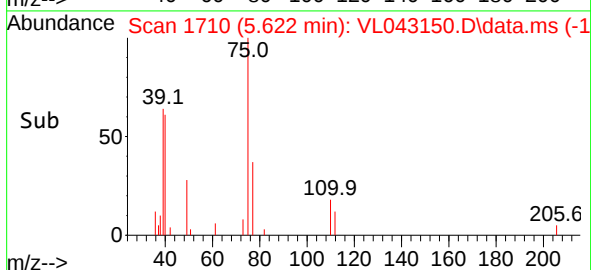
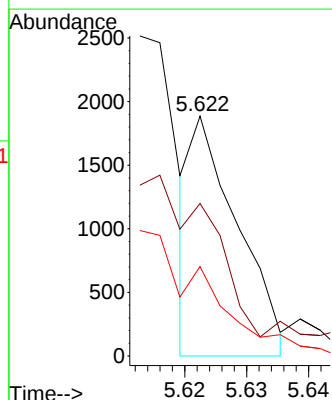
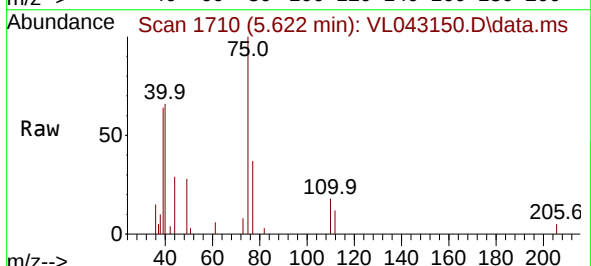
Tgt Ion: 75 Resp: 988

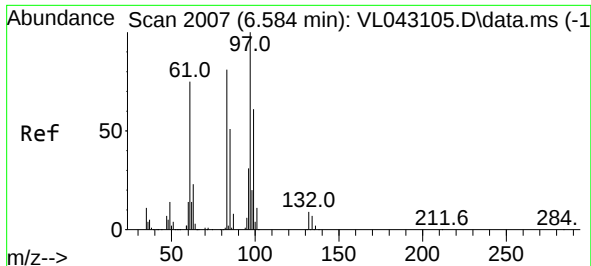
Ion Ratio Lower Upper

75 100

39 54.4 51.0 76.6

77 31.5 25.0 37.4

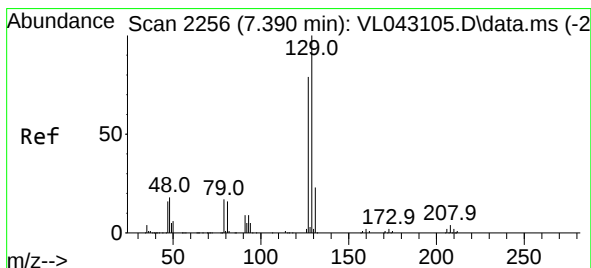
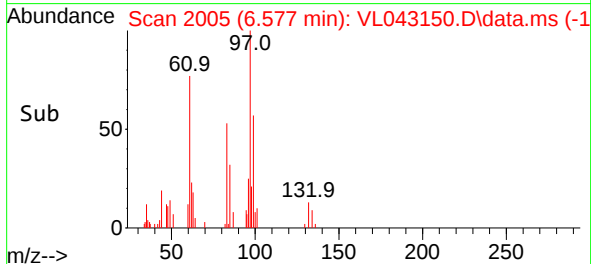
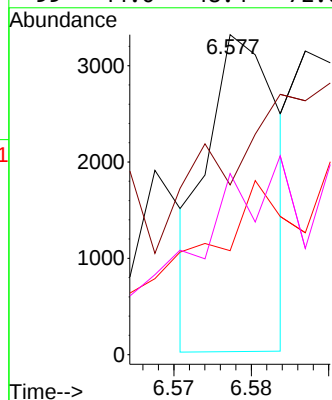
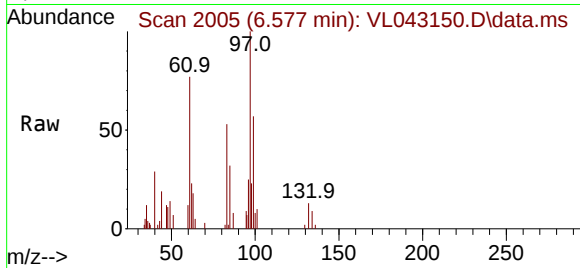




#47
1,1,2-Trichloroethane
Concen: 0.154 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

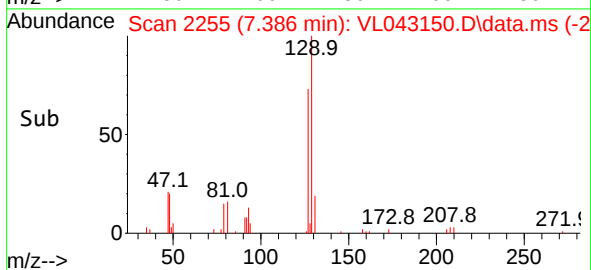
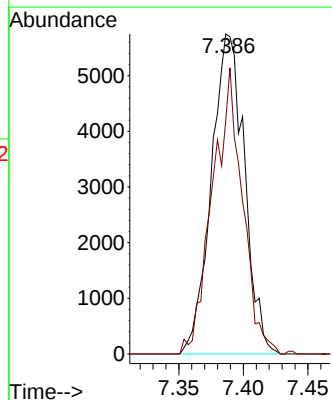
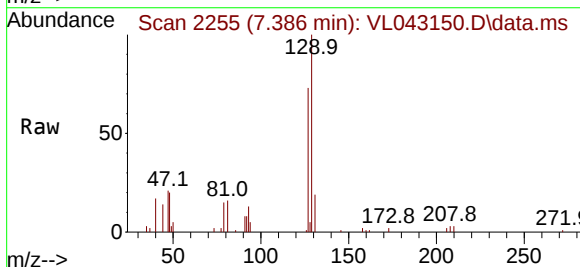
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT4-2025

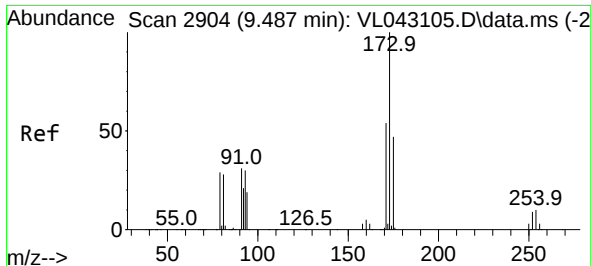
Tgt Ion: 97	Resp: 2073
Ion Ratio	Lower Upper
97 100	
83 2.0	64.6 96.8#
85 0.8	40.6 60.8#
99 44.0	48.4 72.6#



#48
Dibromochloromethane
Concen: 0.454 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:129	Resp:	10231	
Ion	Ratio	Lower	Upper
129	100		
127	81.2	39.3	117.9

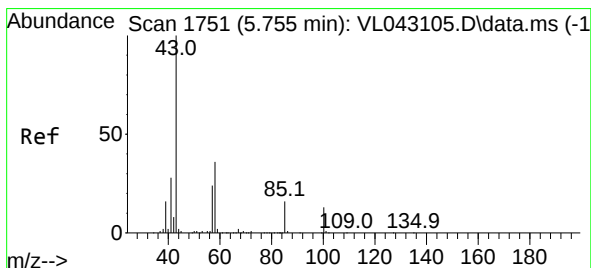
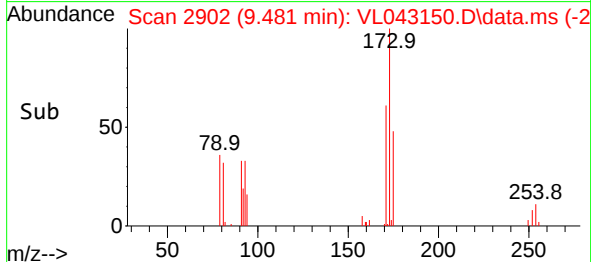
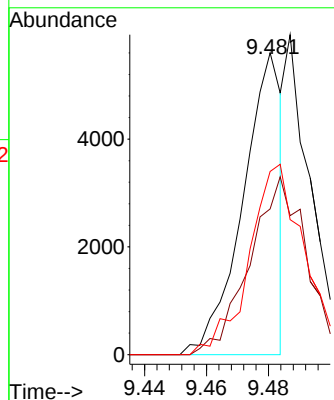
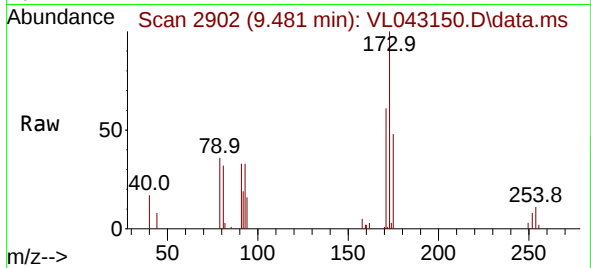




#49
Bromoform
Concen: 0.267 ppbv
RT: 9.481 min Scan# 2904
Delta R.T. -0.007 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

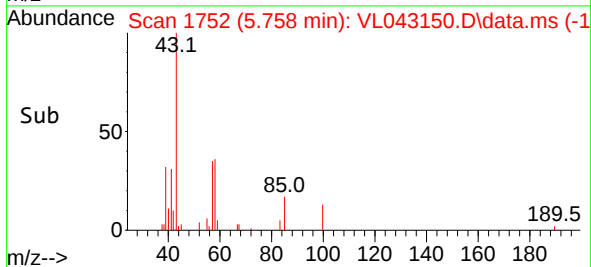
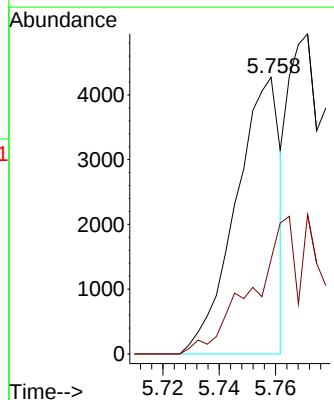
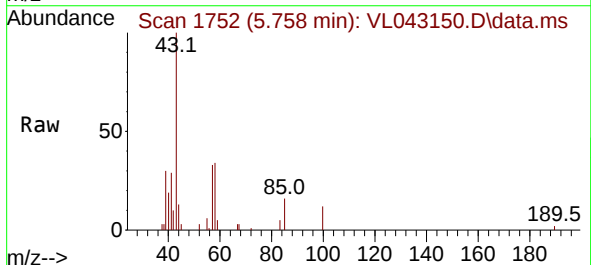
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

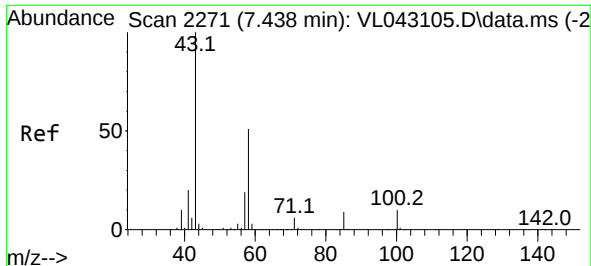
Tgt Ion:173 Resp: 4885
Ion Ratio Lower Upper
173 100
175 0.0 38.8 58.2#
171 0.0 41.7 62.5#



#50
4-Methyl-2-Pentanone
Concen: 0.138 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 43 Resp: 4644
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#

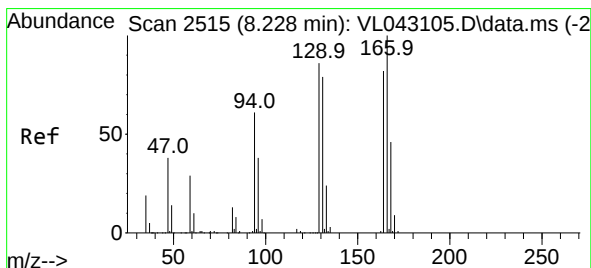
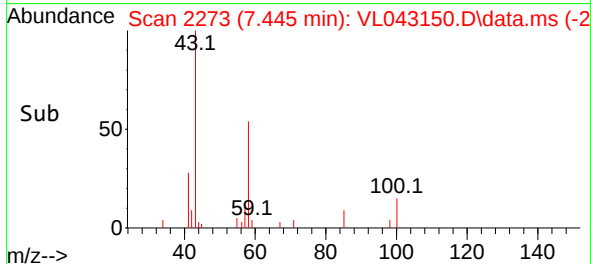
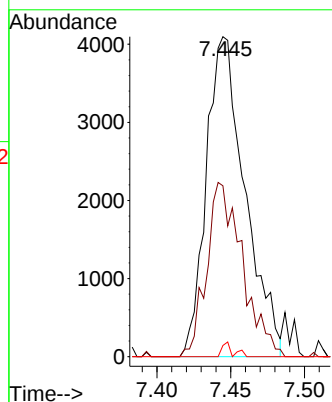
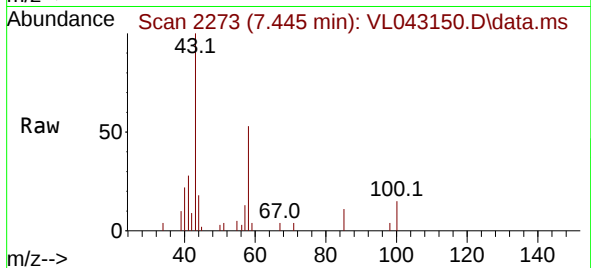




#51
2-Hexanone
Concen: 0.297 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

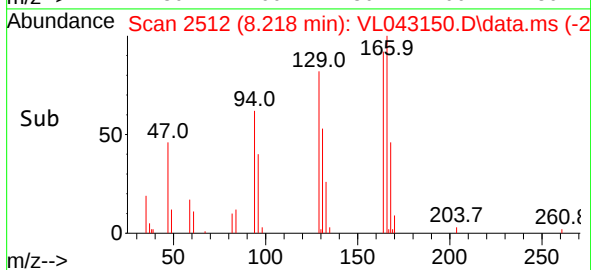
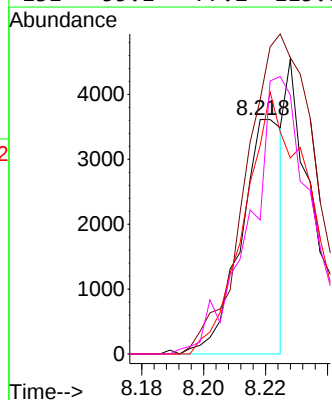
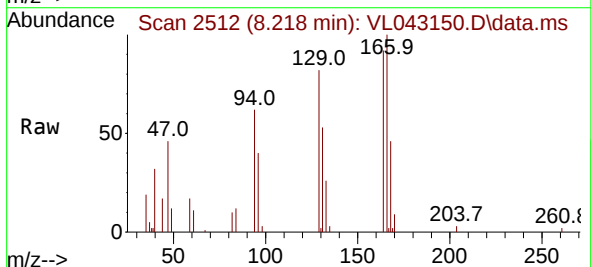
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

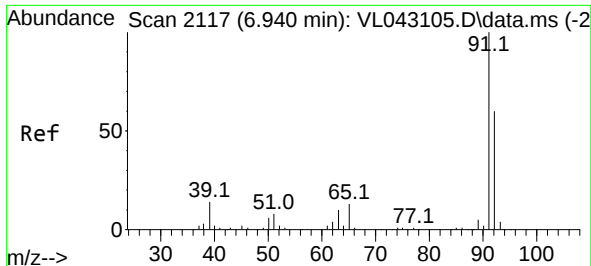
Tgt Ion: 43 Resp: 7485
Ion Ratio Lower Upper
43 100
58 50.1 40.4 60.6
98 1.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.272 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.010 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 164 Resp: 3351
Ion Ratio Lower Upper
164 100
166 108.6 97.6 146.4
129 88.9 84.5 126.7
131 55.1 77.2 115.8#

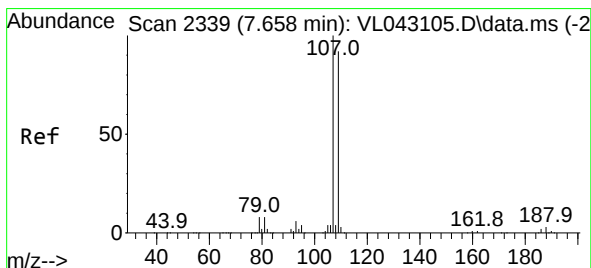
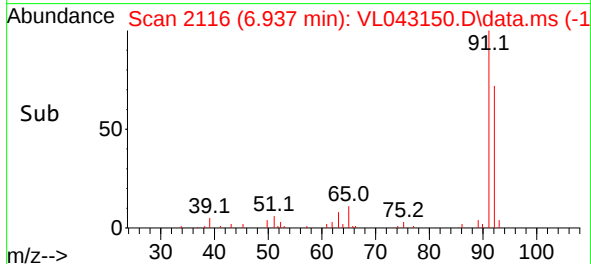
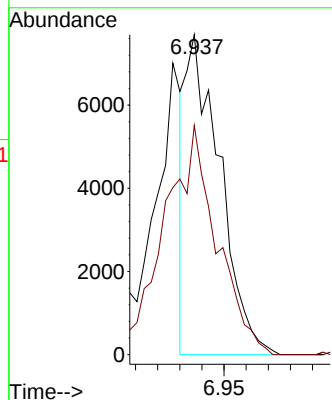
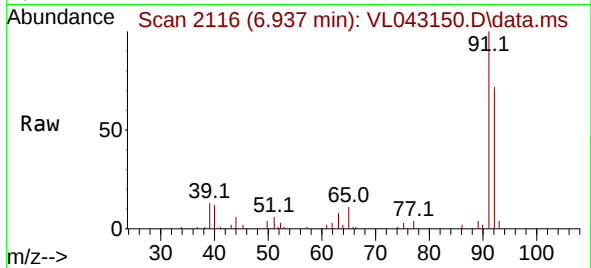




#53
Toluene
Concen: 0.204 ppbv
RT: 6.937 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

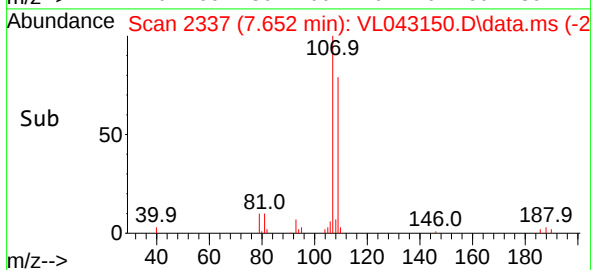
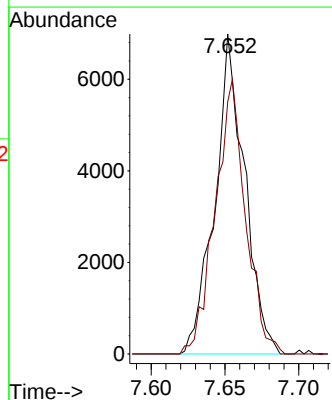
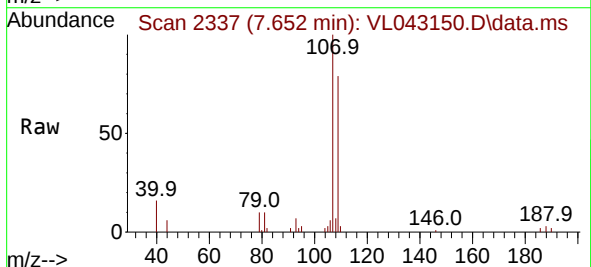
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

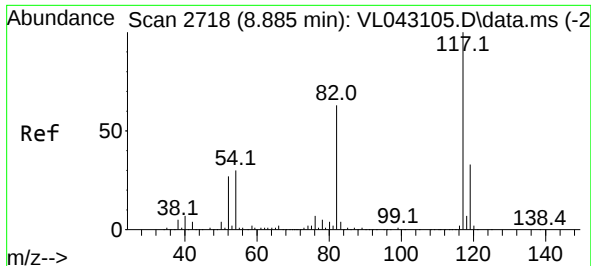
Tgt Ion: 91 Resp: 8272
Ion Ratio Lower Upper
91 100
92 111.4 48.8 73.2#



#54
1,2-Dibromoethane
Concen: 0.464 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 107 Resp: 9798
Ion Ratio Lower Upper
107 100
109 78.8 73.4 110.2

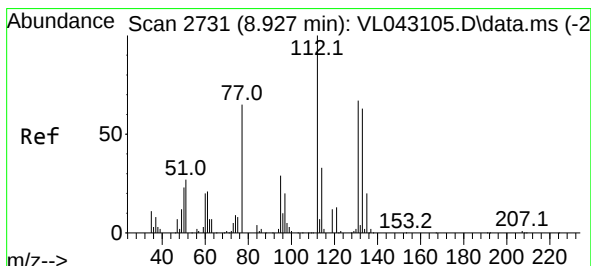
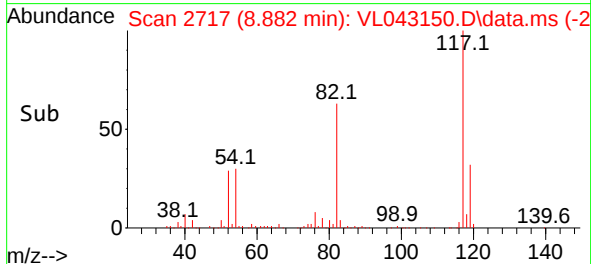
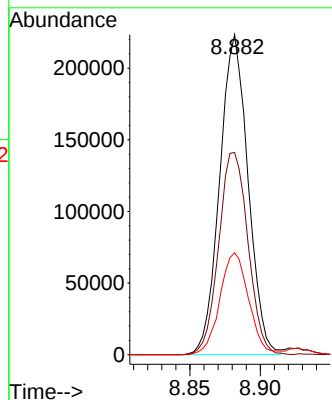
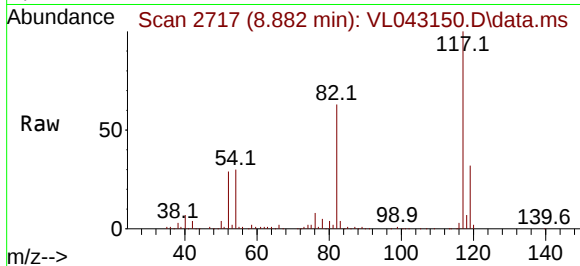




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

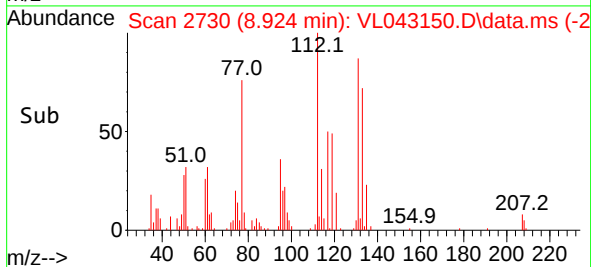
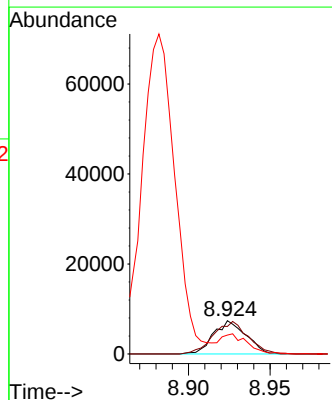
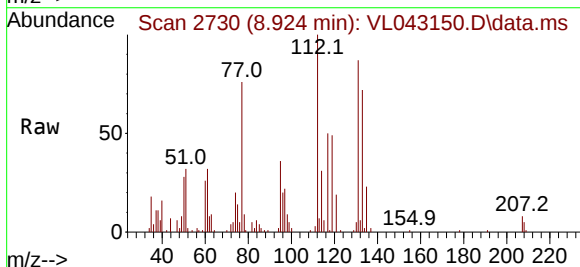
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

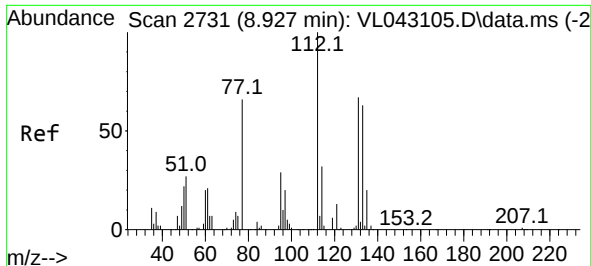
Tgt Ion:117 Resp: 313207
Ion Ratio Lower Upper
117 100
82 65.5 53.8 80.8
119 34.2 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.516 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:131 Resp: 10189
Ion Ratio Lower Upper
131 100
133 105.0 75.7 113.5
119 1049.7 50.6 76.0#





#57

Chlorobenzene

Concen: 0.478 ppbv

RT: 8.917 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

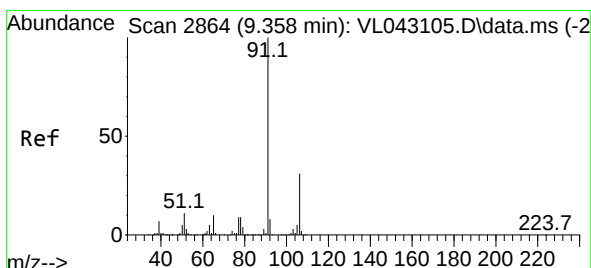
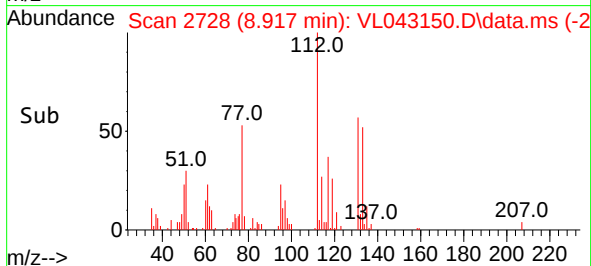
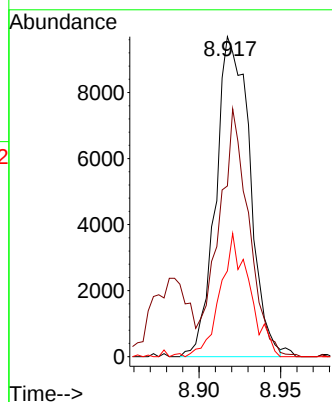
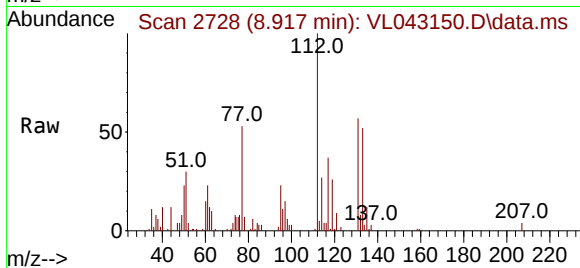
Tgt Ion:112 Resp: 14013

Ion Ratio Lower Upper

112 100

77 52.0 53.3 79.9#

114 26.8 29.3 35.8#



#58

Ethyl Benzene

Concen: 0.363 ppbv

RT: 9.358 min Scan# 2864

Delta R.T. -0.000 min

Lab File: VL043150.D

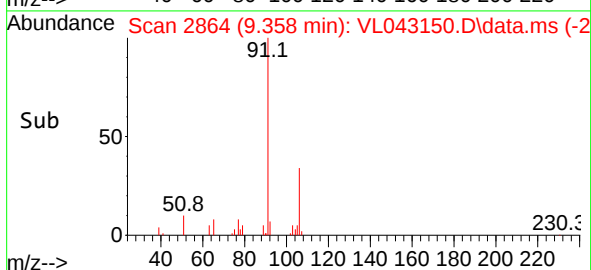
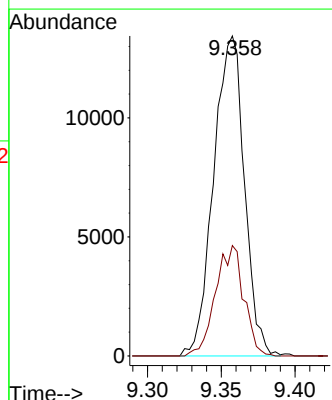
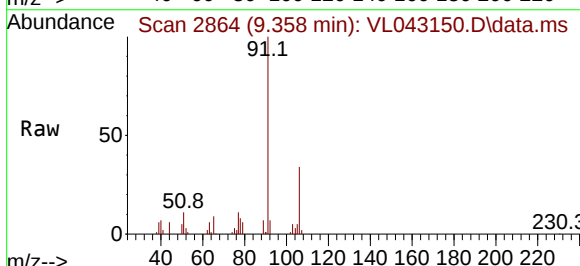
Acq: 04 Nov 2025 11:55

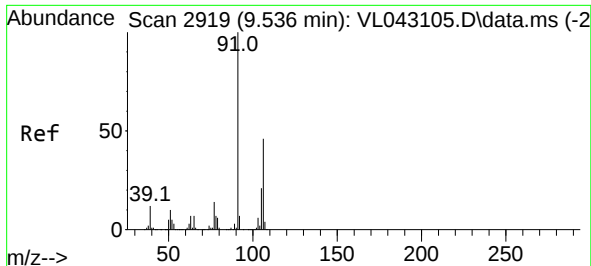
Tgt Ion: 91 Resp: 19508

Ion Ratio Lower Upper

91 100

106 34.5 24.8 37.2





#59

m/p-Xylene

Concen: 0.336 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

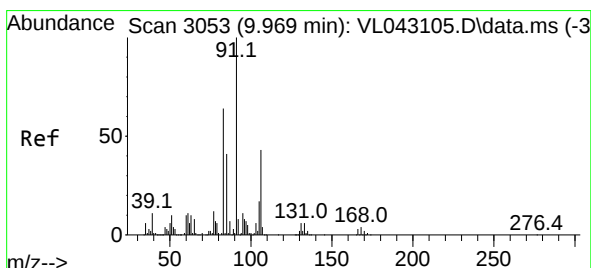
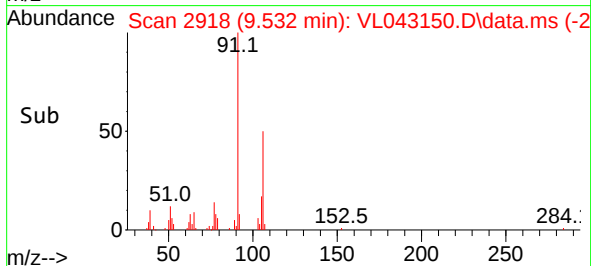
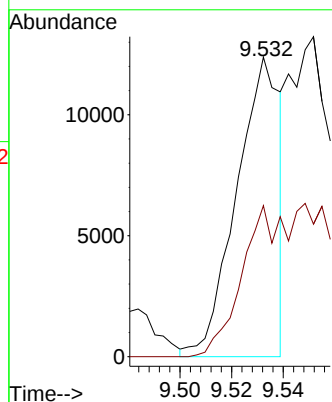
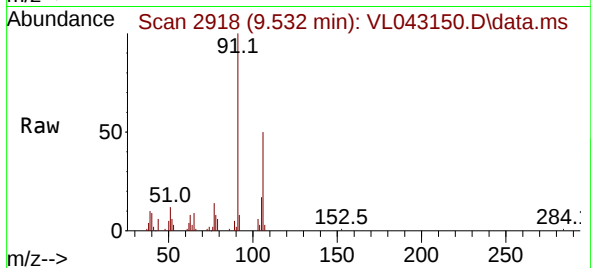
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 91 Resp: 14411

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 0.378 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.006 min

Lab File: VL043150.D

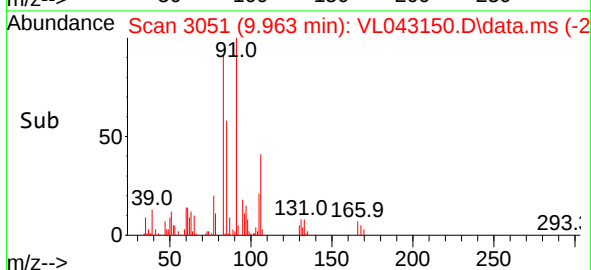
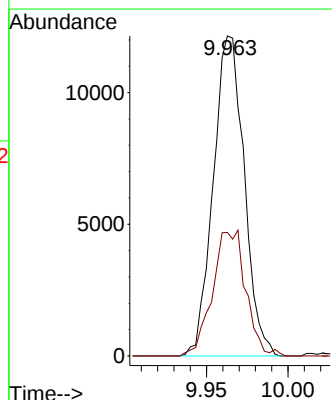
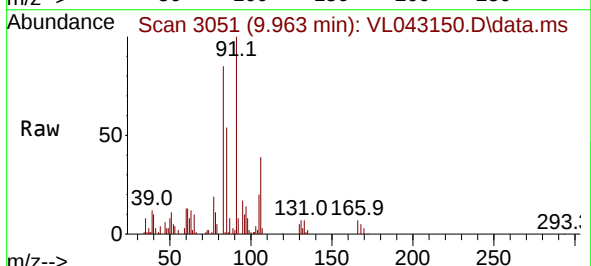
Acq: 04 Nov 2025 11:55

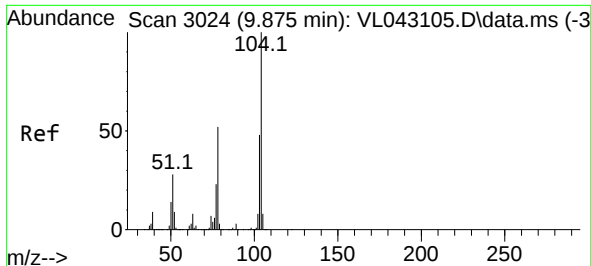
Tgt Ion: 91 Resp: 16019

Ion Ratio Lower Upper

91 100

106 42.1 21.9 65.8

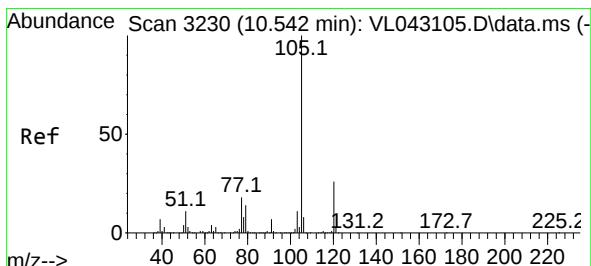
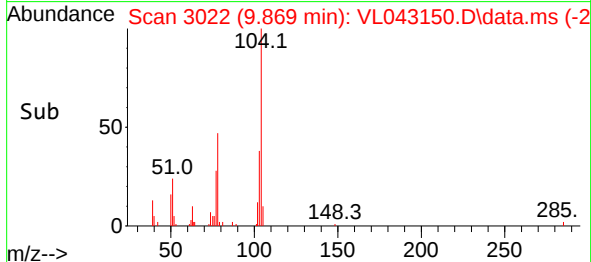
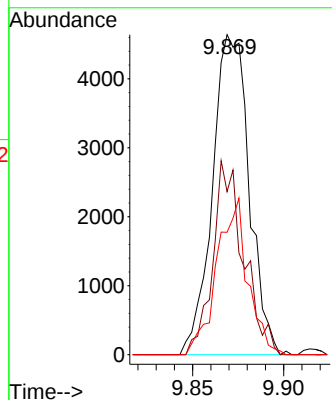
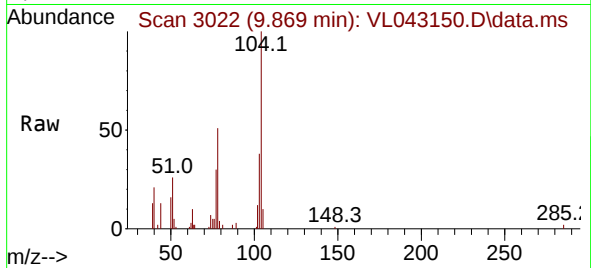




#61
Styrene
Concen: 0.340 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

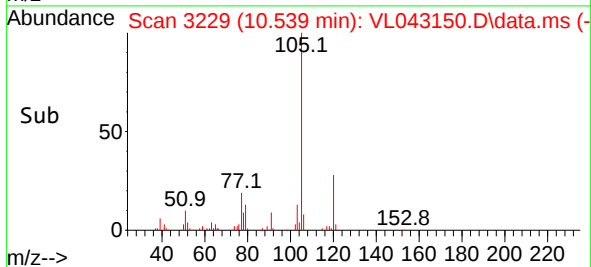
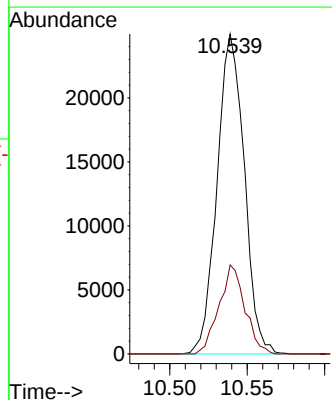
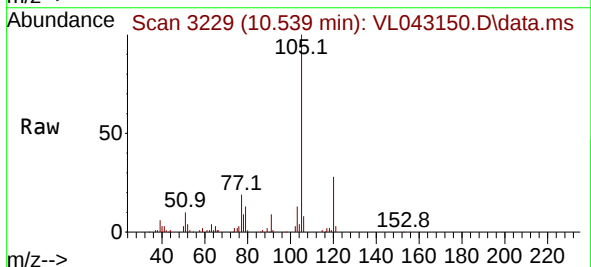
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

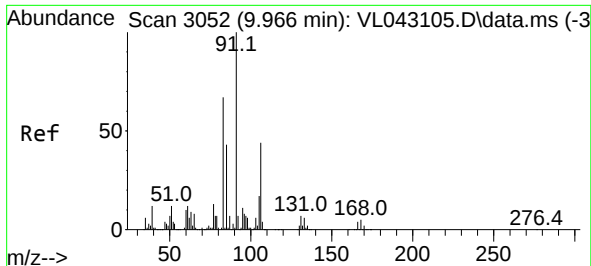
Tgt Ion:104 Resp: 6498
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 41.2 36.9 55.3



#62
Isopropylbenzene
Concen: 0.399 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:105 Resp: 30545
Ion Ratio Lower Upper
105 100
120 26.5 20.2 30.4

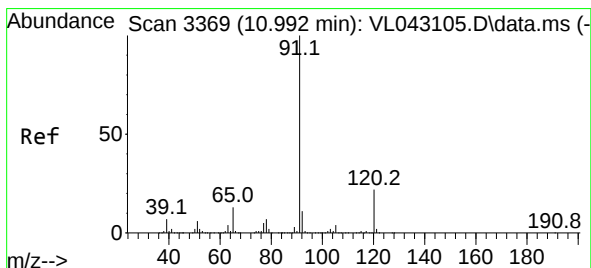
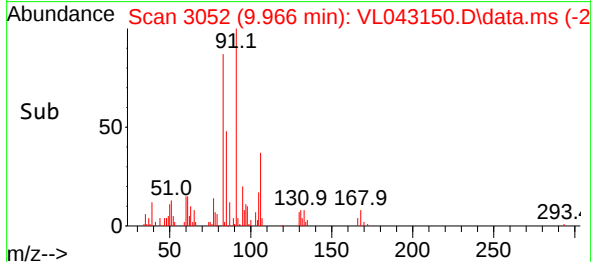
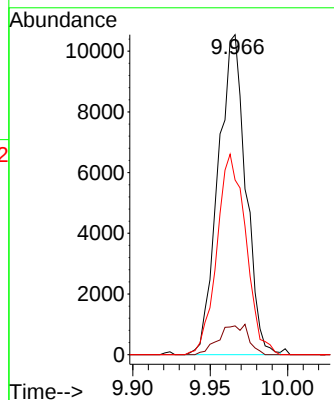
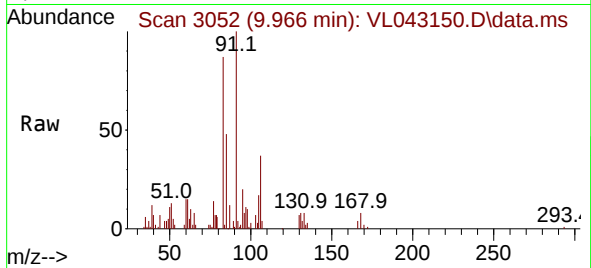




#63
1,1,2,2-Tetrachloroethane
Concen: 0.462 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

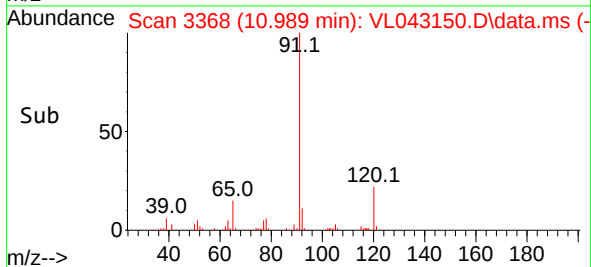
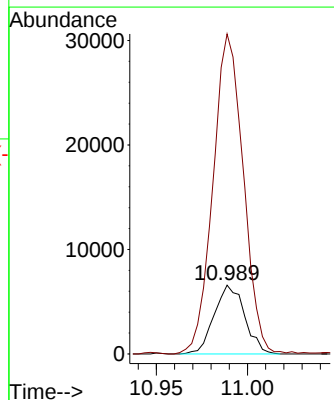
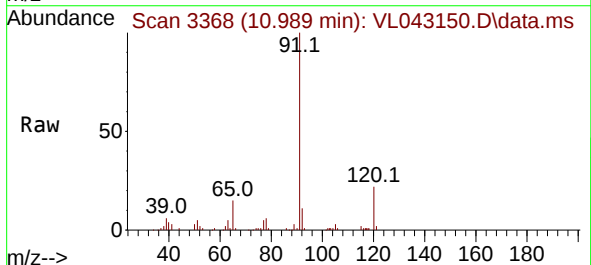
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT4-2025

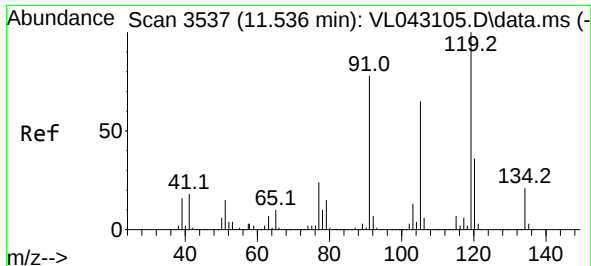
Tgt Ion: 83 Resp: 13112
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 65.5 32.0 96.0



#64
n-propylbenzene
Concen: 0.378 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 120 Resp: 7654
Ion Ratio Lower Upper
120 100
91 465.8 361.6 542.4

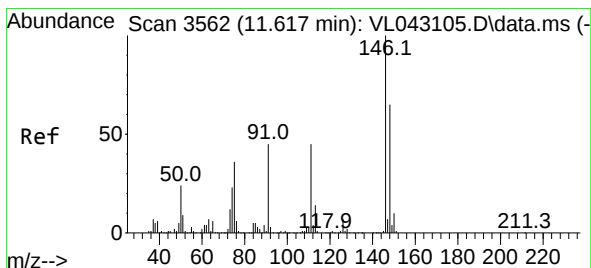
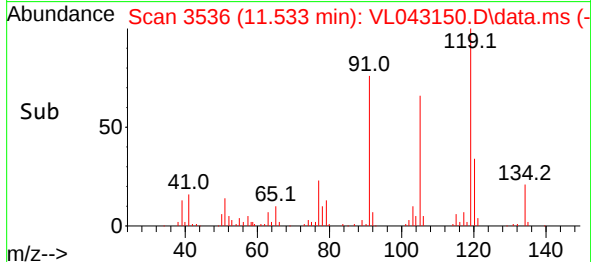
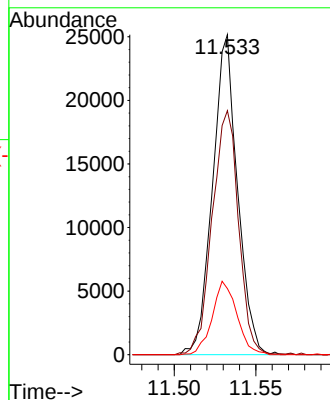
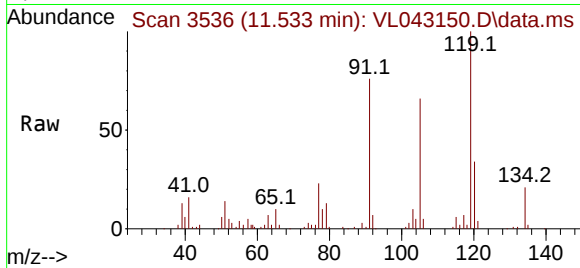




#65
tert-Butylbenzene
Concen: 0.396 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

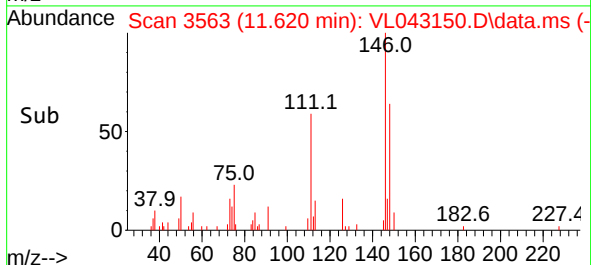
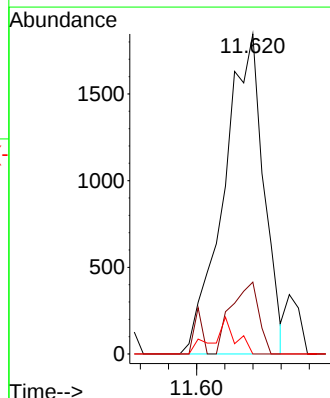
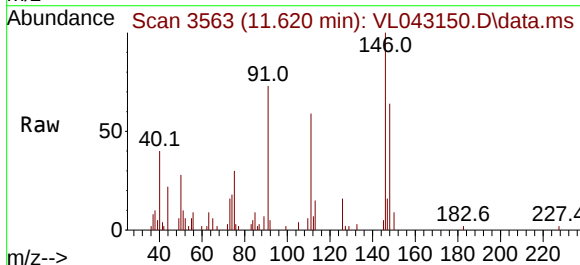
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

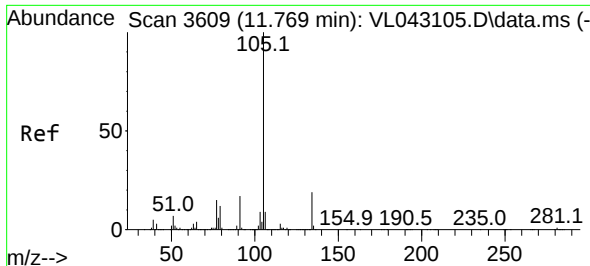
Tgt Ion:	119	Resp:	26729
Ion	Ratio	Lower	Upper
119	100		
91	80.5	63.4	95.0
134	22.8	17.3	25.9



#66
Benzyl Chloride
Concen: 0.241 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:	91	Resp:	1811
Ion	Ratio	Lower	Upper
91	100		
126	18.6	14.6	22.0
128	6.4	4.6	6.8

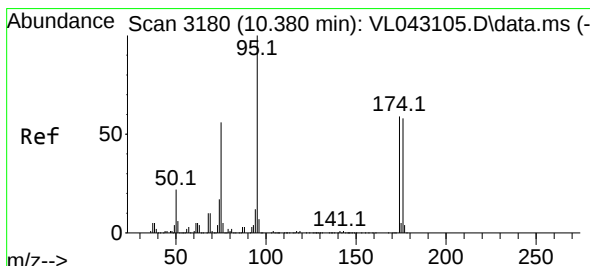
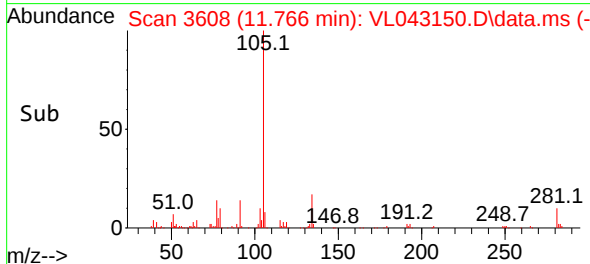
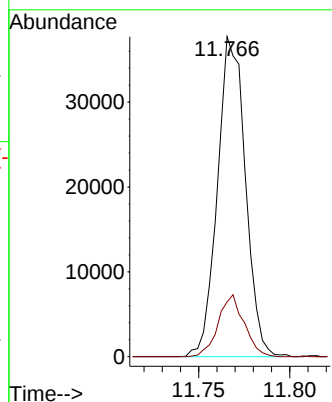
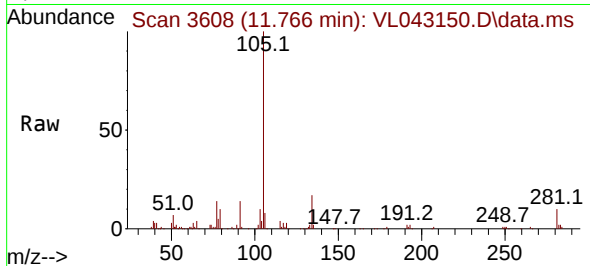




#67
 sec-Butylbenzene
 Concen: 0.419 ppbv
 RT: 11.766 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

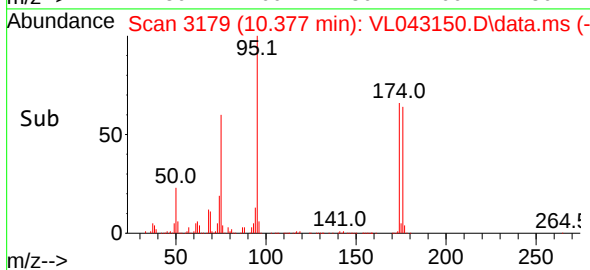
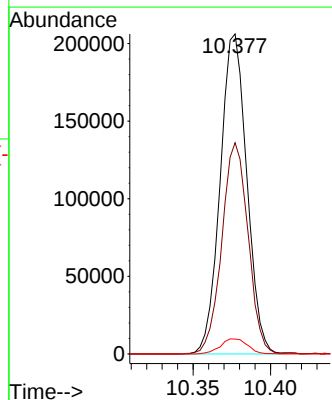
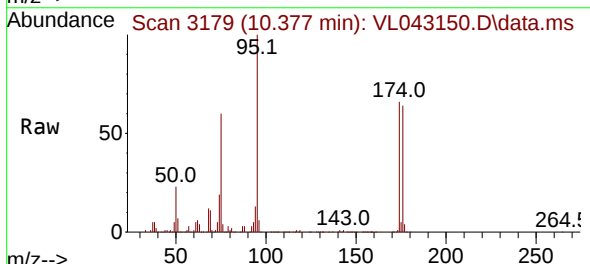
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

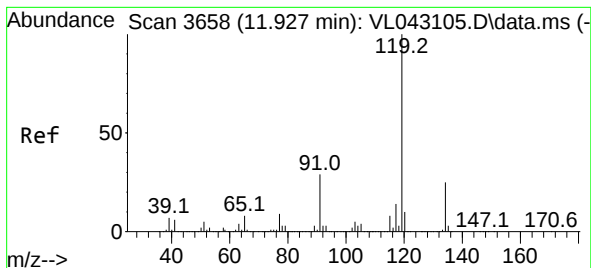
Tgt Ion:105 Resp: 40169
 Ion Ratio Lower Upper
 105 100
 134 18.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.111 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion: 95 Resp: 246141
 Ion Ratio Lower Upper
 95 100
 174 65.2 48.3 72.5
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.374 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

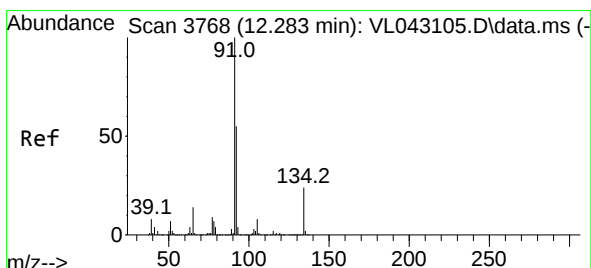
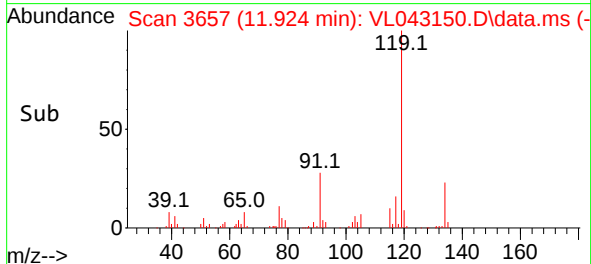
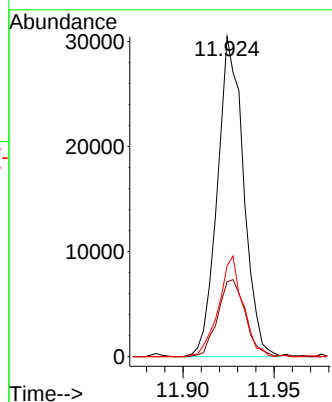
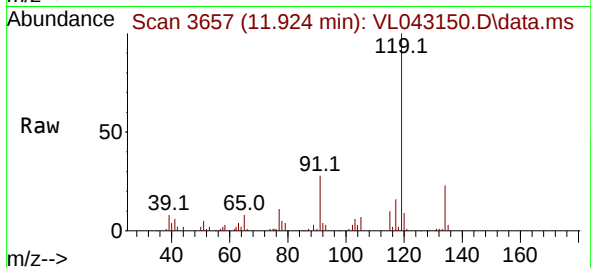
Tgt Ion:119 Resp: 30464

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 29.4 22.6 33.8



#70

n-Butylbenzene

Concen: 0.343 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

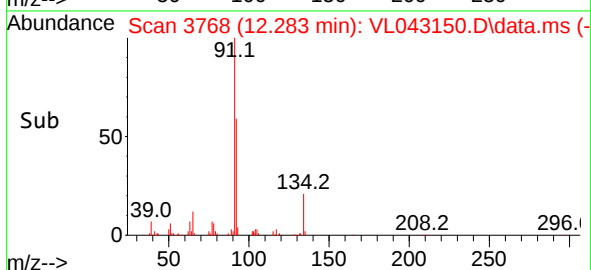
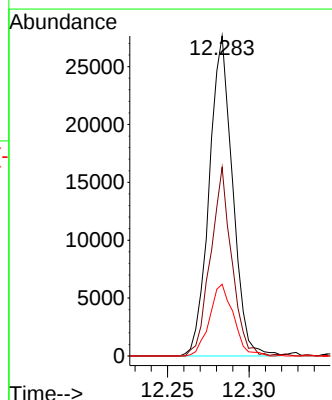
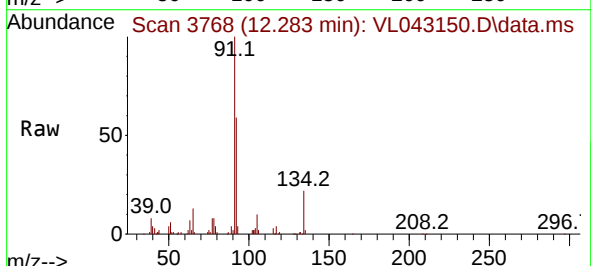
Tgt Ion: 91 Resp: 27554

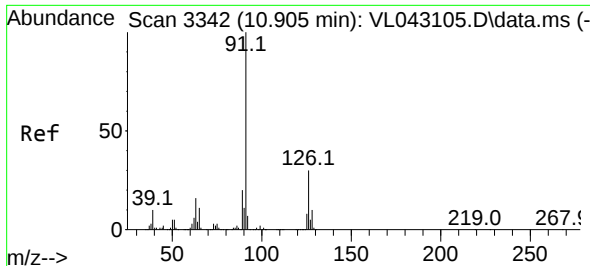
Ion Ratio Lower Upper

91 100

92 53.8 44.5 66.7

134 23.0 19.3 28.9

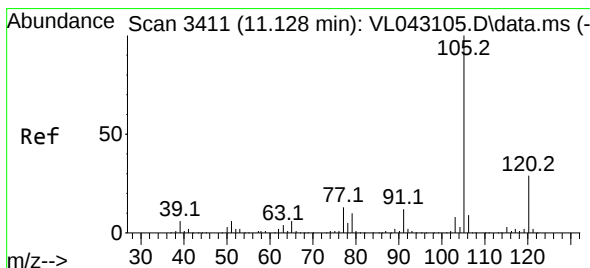
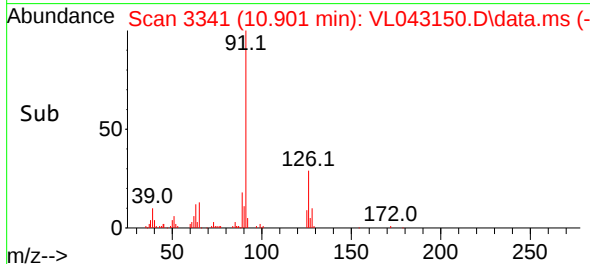
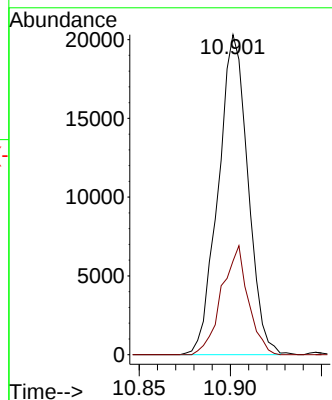
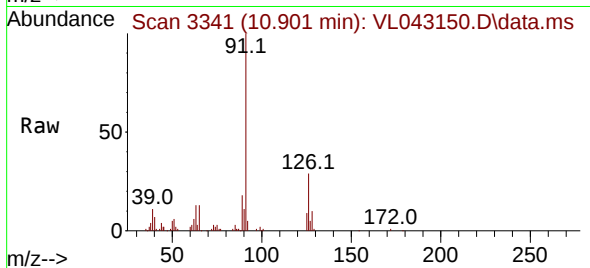




#71
2-Chlorotoluene
Concen: 0.394 ppbv
RT: 10.901 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

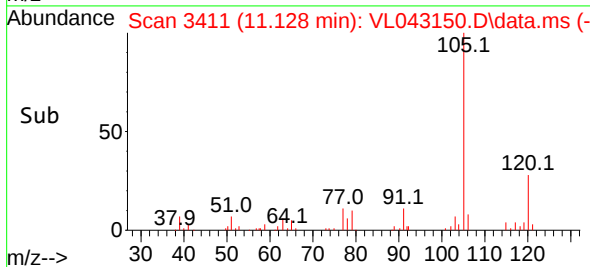
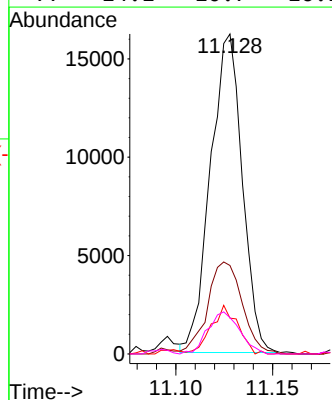
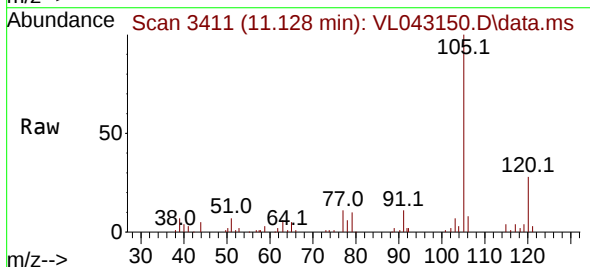
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

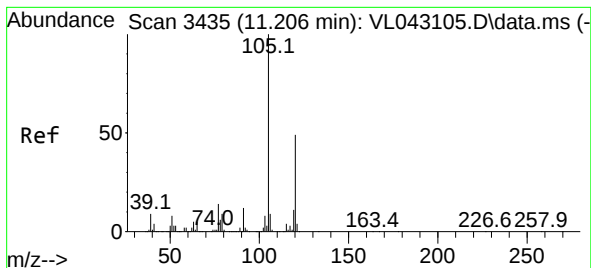
Tgt Ion: 91 Resp: 22987
Ion Ratio Lower Upper
91 100
126 30.4 12.0 48.0



#72
4-Ethyltoluene
Concen: 0.355 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 105 Resp: 18484
Ion Ratio Lower Upper
105 100
120 32.5 24.2 36.4
91 14.1 10.0 15.0
77 14.1 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.381 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_1

ClientSampleId :

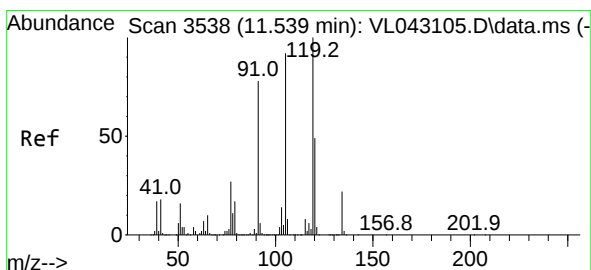
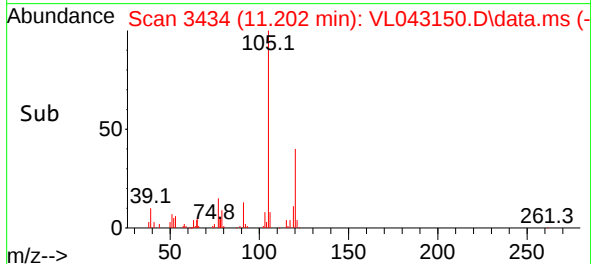
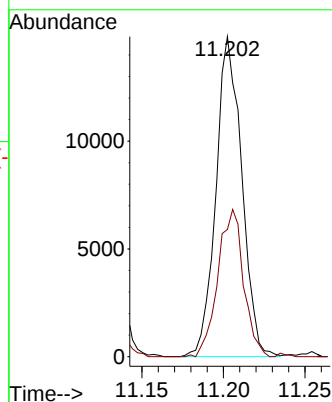
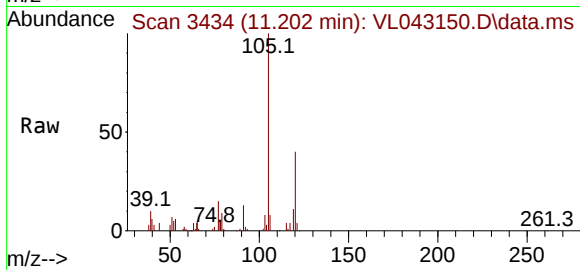
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:105 Resp: 16353

Ion Ratio Lower Upper

105 100

120 39.7 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 0.406 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Tgt Ion:105 Resp: 19486

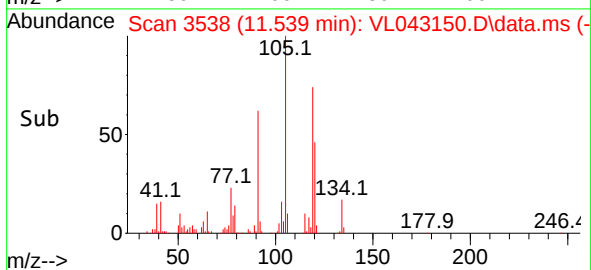
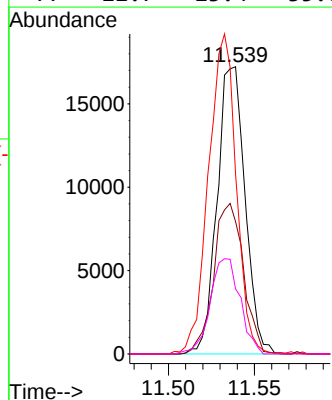
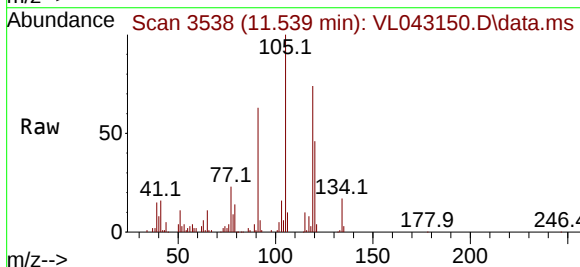
Ion Ratio Lower Upper

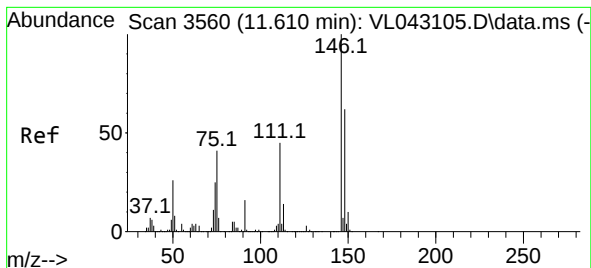
105 100

120 46.1 42.8 64.2

91 62.2 68.3 102.5#

77 22.7 23.4 35.0#





#75

1,3-Dichlorobenzene

Concen: 0.485 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

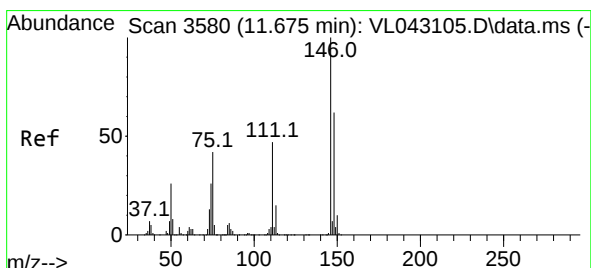
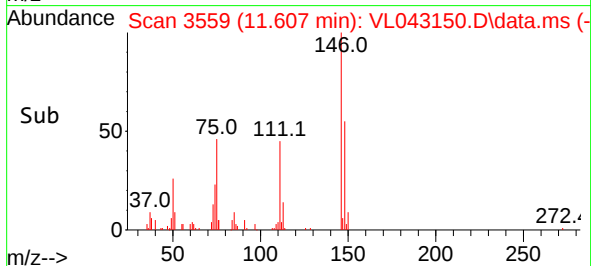
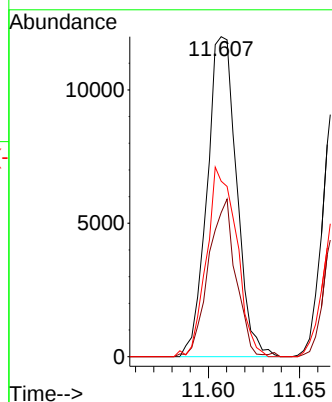
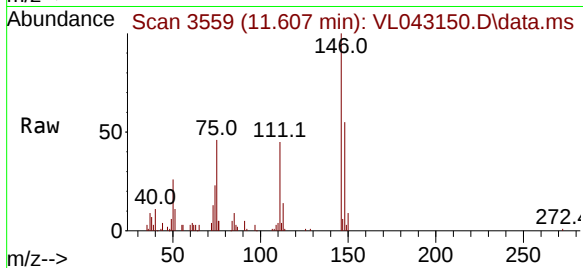
Tgt Ion:146 Resp: 13526

Ion Ratio Lower Upper

146 100

111 45.8 23.3 69.9

148 60.2 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.466 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

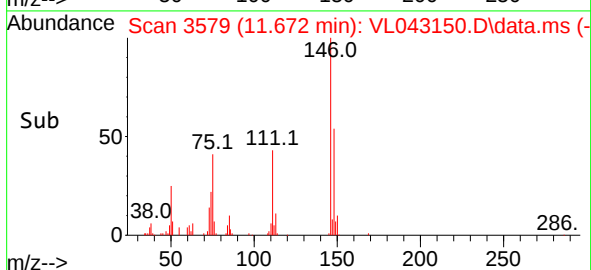
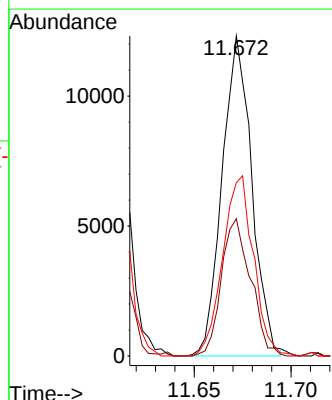
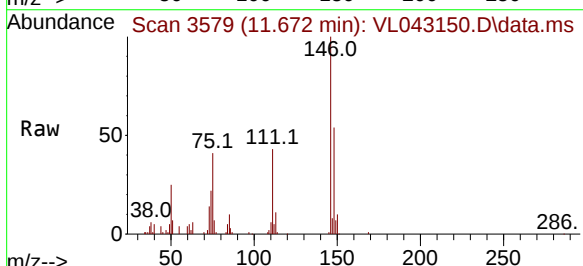
Tgt Ion:146 Resp: 13108

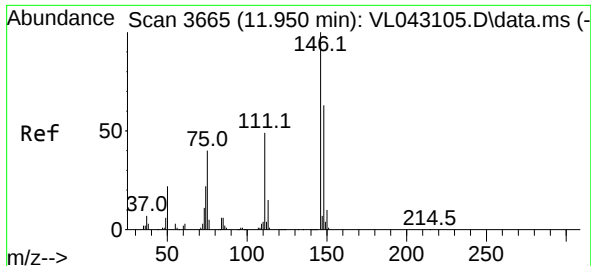
Ion Ratio Lower Upper

146 100

111 42.2 22.4 67.0

148 58.6 31.6 94.7

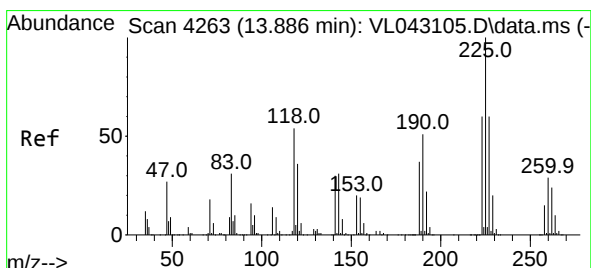
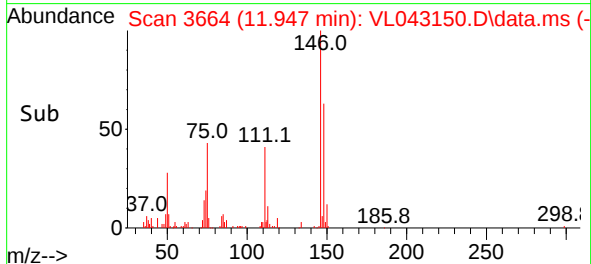
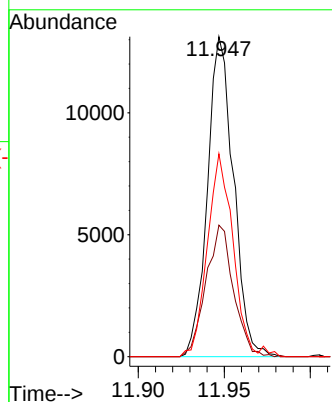
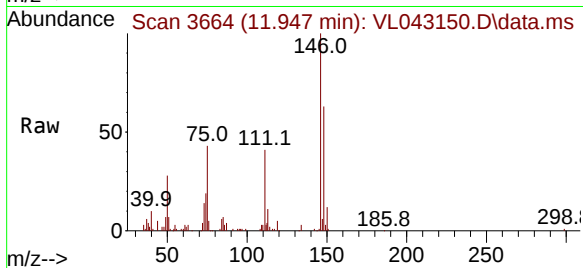




#77
 1,2-Dichlorobenzene
 Concen: 0.513 ppbv
 RT: 11.947 min Scan# 3664
 Delta R.T. -0.003 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

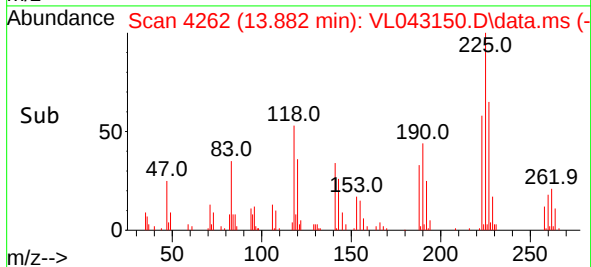
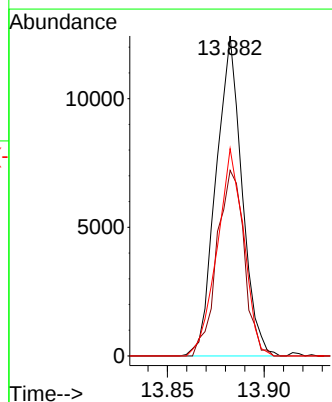
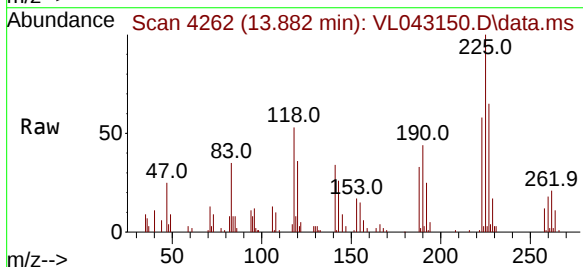
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

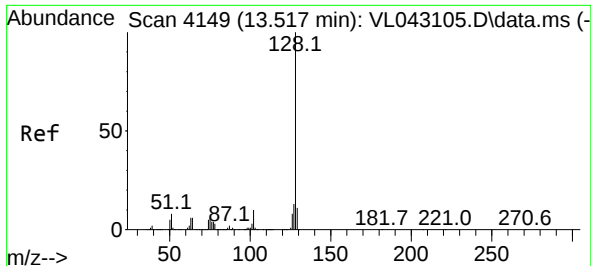
Tgt Ion:146 Resp: 13838
 Ion Ratio Lower Upper
 146 100
 111 43.4 24.0 72.0
 148 62.9 31.1 93.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.556 ppbv
 RT: 13.882 min Scan# 4262
 Delta R.T. -0.003 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Tgt Ion:225 Resp: 11610
 Ion Ratio Lower Upper
 225 100
 223 60.8 50.2 75.4
 227 66.2 49.6 74.4

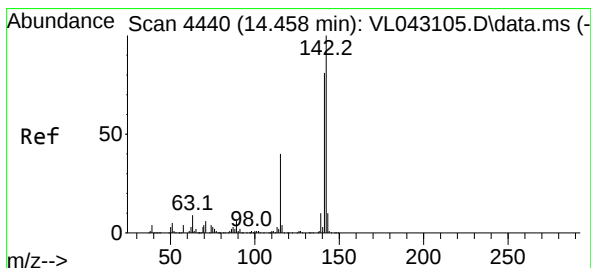
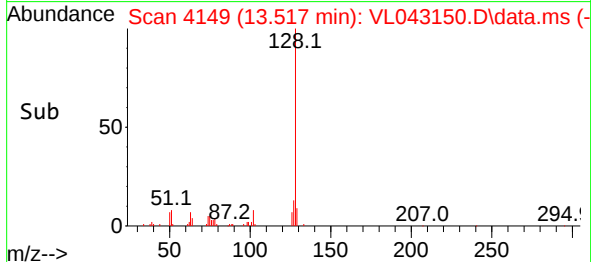
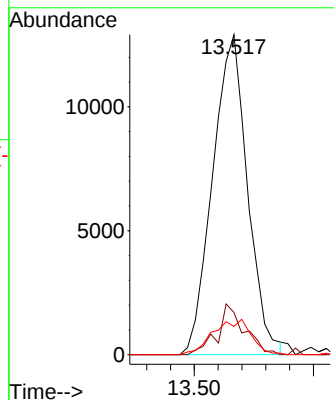
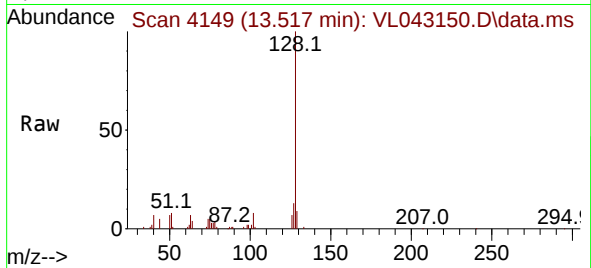




#79
Naphthalene
Concen: 0.261 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

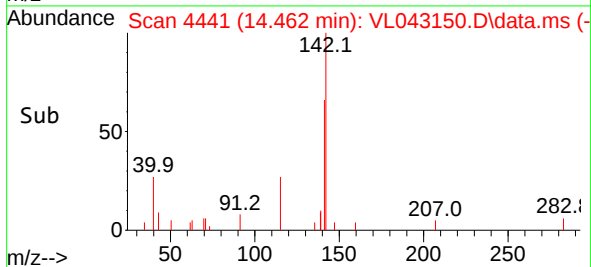
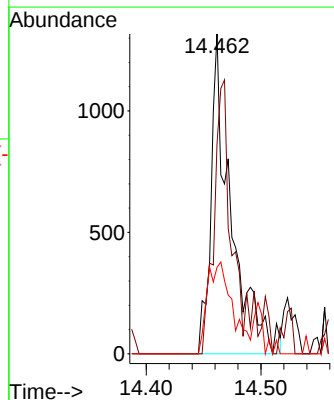
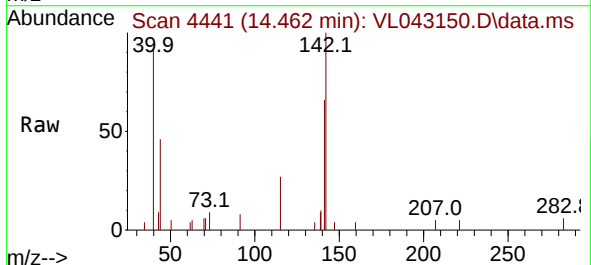
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

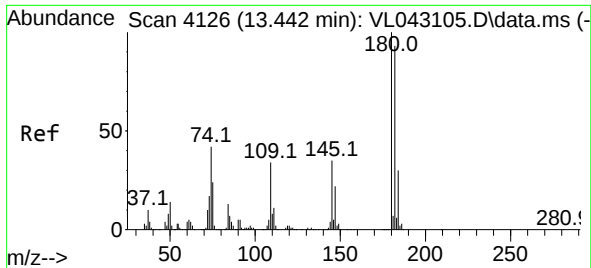
Tgt Ion:128 Resp: 13133
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 8.9 9.1 13.7#



#80
Naphthalene,2-methyl-
Concen: 0.122 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:142 Resp: 1597
Ion Ratio Lower Upper
142 100
141 91.2 64.6 97.0
115 35.1 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 0.270 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043150.D

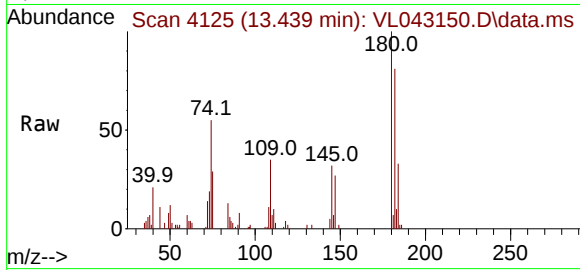
Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025



Tgt Ion:180 Resp: 5629

Ion Ratio Lower Upper

180 100

182 103.5 75.5 113.3

184 30.1 23.9 35.9

