

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043051.D
 Acq On : 06 Oct 2025 13:38
 Operator : SY/MD
 Sample : Q2893-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Oct 07 01:38:54 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Oct 07 01:38:24 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	169913	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	465960	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.878	117	371598	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 273084 10.201 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	16382	0.572	ppbv	92
3) Chlorodifluoromethane	1.476	51	15441	0.557	ppbv	99
4) Chloromethane	1.531	50	6034	0.577	ppbv	99
5) Vinyl Chloride	1.580	62	5190	0.523	ppbv	99
6) Bromomethane	1.667	94	2638	0.591	ppbv	92
7) Chloroethane	1.703	64	2329	0.562	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	13498	0.575	ppbv	97
9) Propene	1.483	41	5700	0.510	ppbv	86
10) Heptane	4.975	43	9105	0.332	ppbv	95
11) Trichlorofluoromethane	1.877	101	16543	0.562	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.140	101	12827	0.553	ppbv	99
13) Ethanol	1.719	45	605	0.783	ppbv #	31
14) Bromoethene	1.780	108	4314	0.519	ppbv #	94
15) Acetone	1.835	43	20089	0.844	ppbv	93
16) 1,3-Butadiene	1.609	39	6277	0.640	ppbv	89
17) tert-Butyl alcohol	2.039	59	13590	0.540	ppbv	95
18) 1,1-Dichloroethene	2.340	96	5905	0.581	ppbv	87
19) Isopropyl Alcohol	1.884	45	6562	0.576	ppbv #	33
20) Methylene Chloride	2.062	84	6865	0.661	ppbv	97
21) Allyl Chloride	2.094	41	8003	0.525	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	5905	0.512	ppbv	94
23) Vinyl Acetate	2.460	43	3075	0.609	ppbv #	74
24) 1,1-Dichloroethane	2.405	63	12305	0.563	ppbv	98
25) Ethyl Acetate	2.832	43	25312	0.424	ppbv	99
26) Hexane	2.826	57	8018	0.349	ppbv #	65
27) Carbon Disulfide	2.149	76	14461	0.534	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	8154	0.568	ppbv	99
29) Chloroform	2.842	83	20920	0.534	ppbv	95
30) Cyclohexane	3.855	84	2734	0.145	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	10048	0.426	ppbv	91
32) 1,1,1-Trichloroethane	3.363	97	19100	0.502	ppbv	98
34) 2-Butanone	2.557	43	15345	0.485	ppbv	99
35) Carbon Tetrachloride	3.761	117	20520	0.535	ppbv	89
36) Benzene	3.654	78	19888	0.447	ppbv	98
37) 1,2-Dichloroethane	3.214	62	14215	0.539	ppbv	99
38) Trichloroethene	4.544	130	9090	0.490	ppbv	99
39) 1,2-Dichloropropane	4.305	63	7779	0.471	ppbv	97
40) 1,4-Dioxane	4.593	88	1890	0.267	ppbv #	27
41) Tetrahydrofuran	3.059	42	5971	0.365	ppbv	99
42) Bromodichloromethane	4.480	83	12042	0.323	ppbv	95
43) Methyl Methacrylate	4.871	69	3471	0.235	ppbv #	1
44) 2,2,4-Trimethylpentane	4.632	57	27453	0.384	ppbv #	84
45) t-1,3-Dichloropropene	6.409	75	4135	0.306	ppbv	90

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 LOQ-AIR-02-QT3-2025

Quant Time: Oct 07 01:38:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Oct 07 01:38:24 2025
 Response via : Initial Calibration

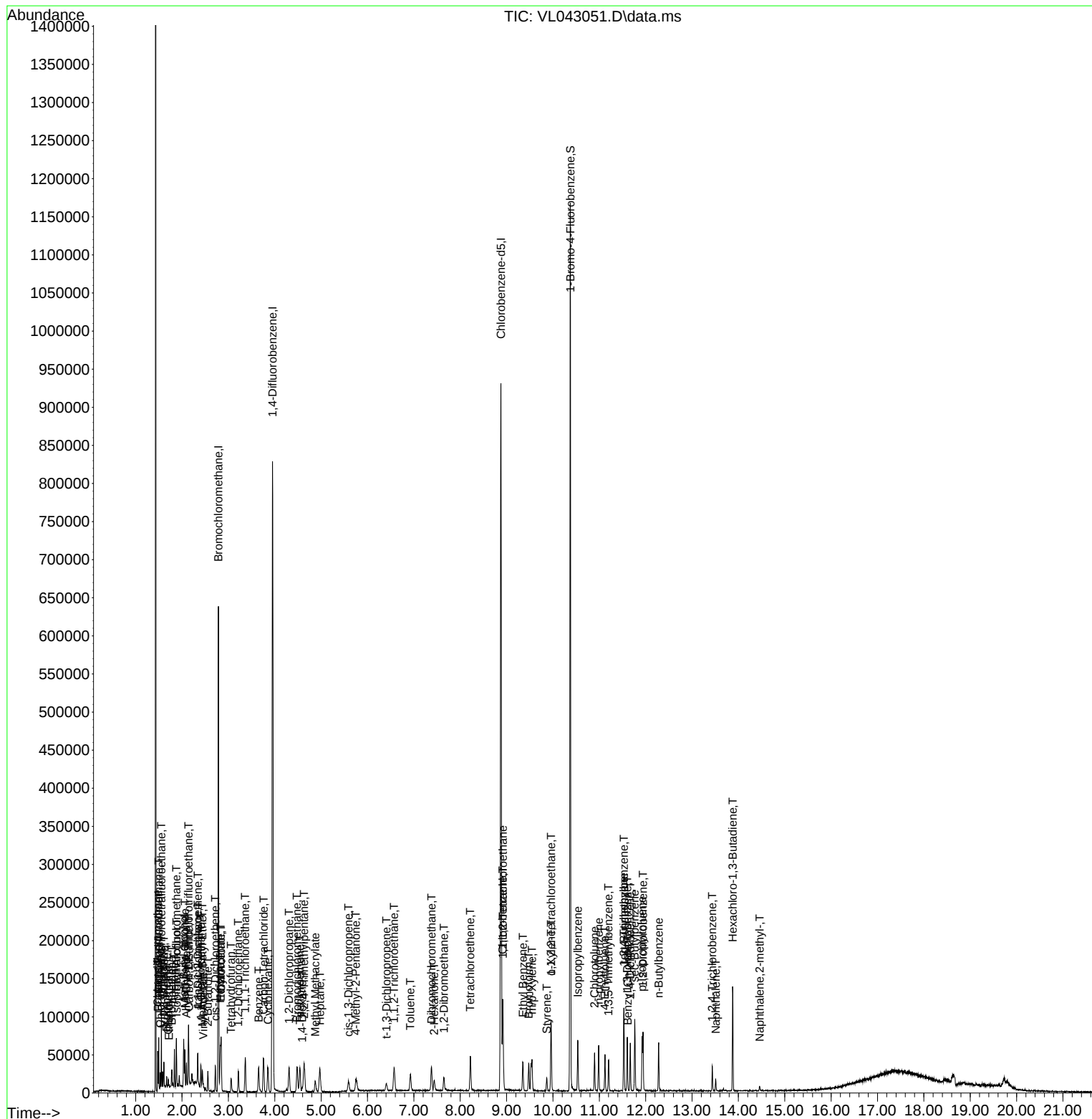
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	4397	0.231	ppbv	90
47) 1,1,2-Trichloroethane	6.574	97	9940	0.542	ppbv #	88
48) Dibromochloromethane	7.383	129	16129	0.538	ppbv	97
49) Bromoform	9.477	173	12335	0.493	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	8684	0.225	ppbv #	74
51) 2-Hexanone	7.438	43	8730	0.318	ppbv #	91
52) Tetrachloroethene	8.218	164	7295	0.443	ppbv	91
53) Toluene	6.923	91	15169	0.338	ppbv	99
54) 1,2-Dibromoethane	7.645	107	10976	0.505	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.920	131	13389	0.591	ppbv #	1
57) Chlorobenzene	8.917	112	21766	0.554	ppbv #	93
58) Ethyl Benzene	9.351	91	19839	0.345	ppbv	91
59) m/p-Xylene	9.548	91	15813	0.326	ppbv #	36
60) o-Xylene	9.959	91	14922	0.309	ppbv	96
61) Styrene	9.869	104	6158	0.304	ppbv	99
62) Isopropylbenzene	10.539	105	27529	0.371	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.959	83	19462	0.561	ppbv	98
64) n-propylbenzene	10.989	120	6171	0.325	ppbv	94
65) tert-Butylbenzene	11.529	119	20319	0.307	ppbv	96
66) Benzyl Chloride	11.613	91	1343	0.532	ppbv #	92
67) sec-Butylbenzene	11.762	105	30541	0.331	ppbv	98
69) p-Isopropyltoluene	11.924	119	22148	0.295	ppbv	98
70) n-Butylbenzene	12.280	91	20532	0.284	ppbv	96
71) 2-Chlorotoluene	10.898	91	18718	0.348	ppbv	96
72) 4-Ethyltoluene	11.121	105	17619	0.306	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.199	105	14743	0.296	ppbv	90
74) 1,2,4-Trimethylbenzene	11.532	105	16834	0.299	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	16373	0.448	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	14302	0.410	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	17997	0.494	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	12898	0.508	ppbv	98
79) Naphthalene	13.510	128	7188	0.214	ppbv #	93
80) Naphthalene,2-methyl-	14.458	142	2547	0.150	ppbv	95
81) 1,2,4-Trichlorobenzene	13.435	180	5012	0.231	ppbv	94

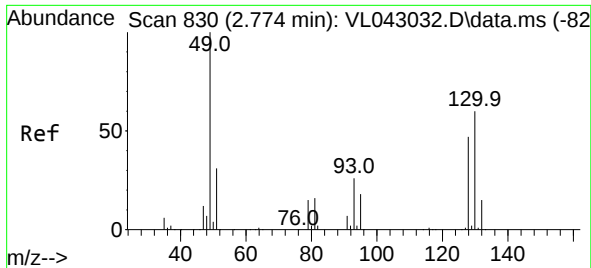
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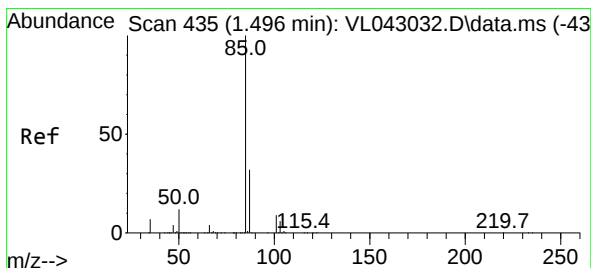
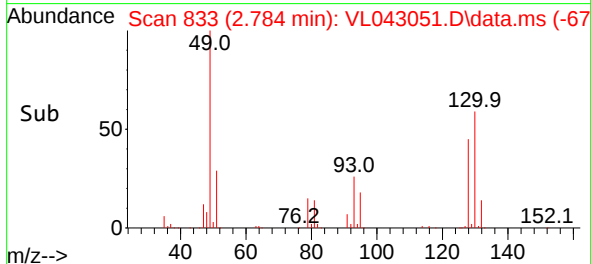
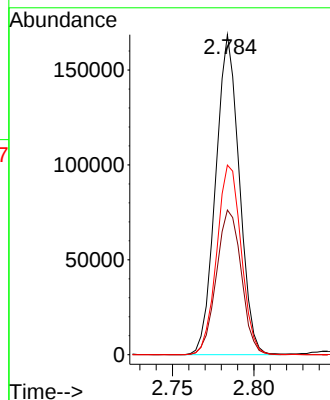
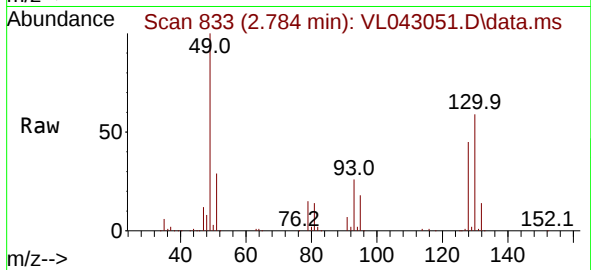




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

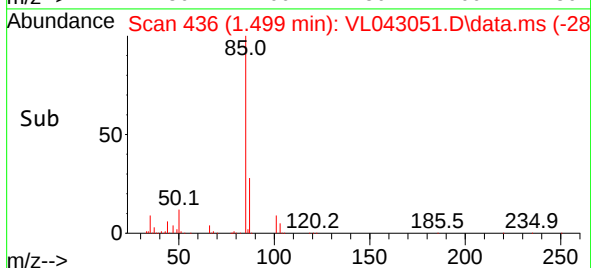
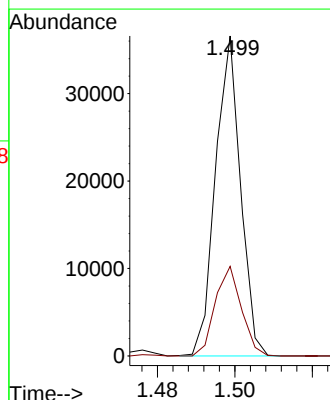
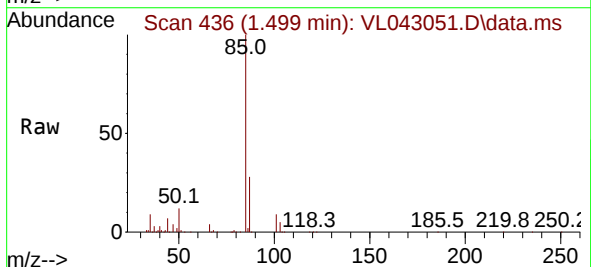
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 LOQ-AIR-02-QT3-2025

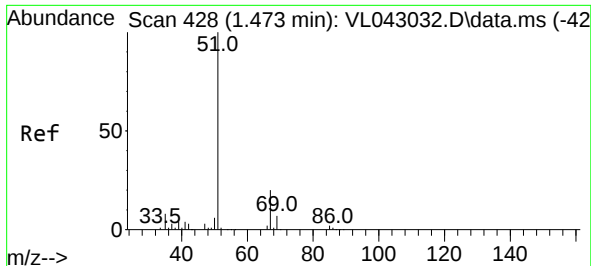
Tgt Ion: 49 Resp: 169913
 Ion Ratio Lower Upper
 49 100
 128 47.7 24.1 72.2
 130 61.3 31.4 94.3



#2
 Dichlorodifluoromethane
 Concen: 0.572 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion: 85 Resp: 16382
 Ion Ratio Lower Upper
 85 100
 87 28.0 25.8 38.6

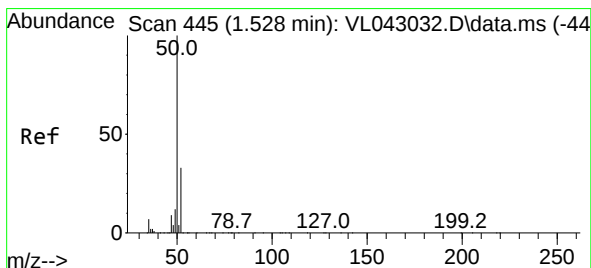
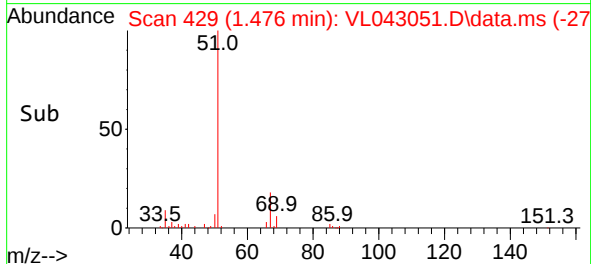
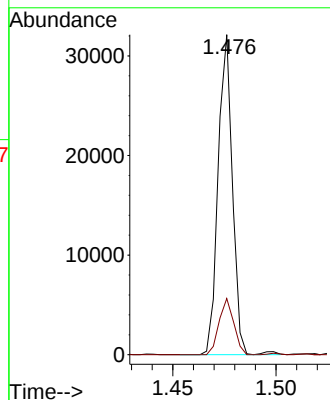
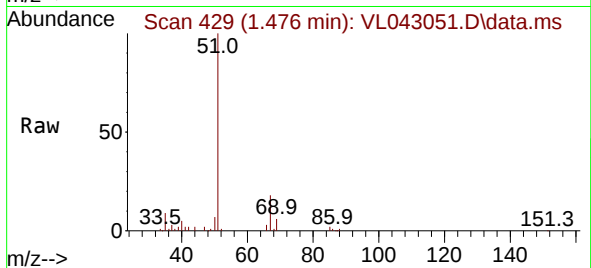




#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

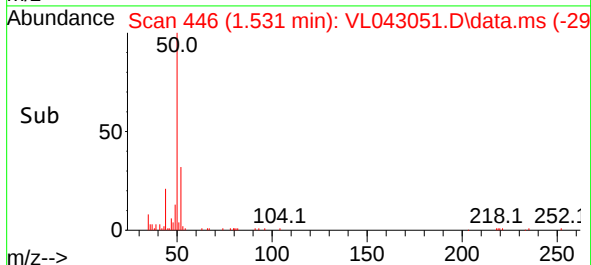
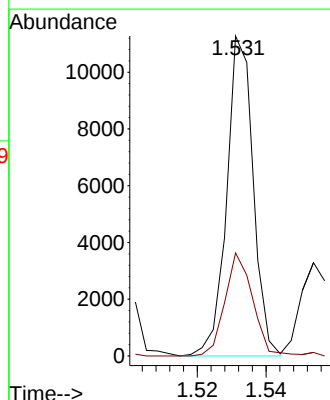
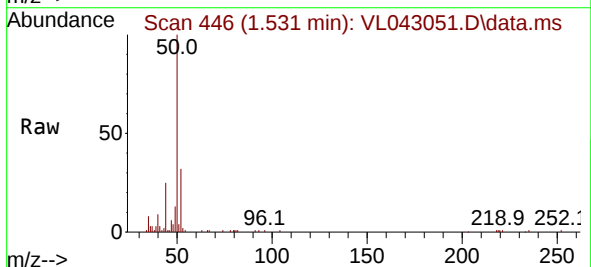
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT3-2025

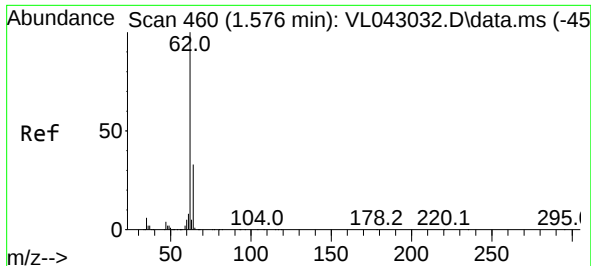
Tgt Ion: 51 Resp: 15441
Ion Ratio Lower Upper
51 100
67 18.5 15.1 22.7



#4
Chloromethane
Concen: 0.577 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 50 Resp: 6034
Ion Ratio Lower Upper
50 100
52 32.2 26.2 39.2

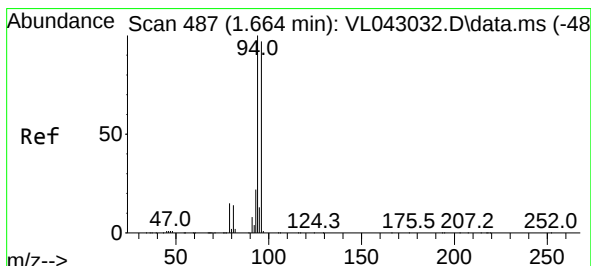
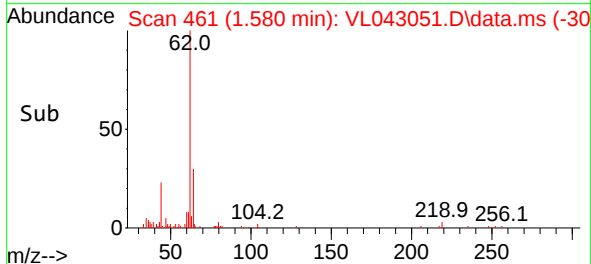
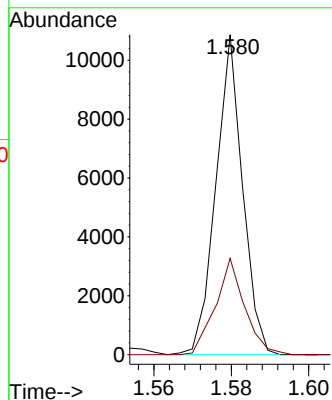
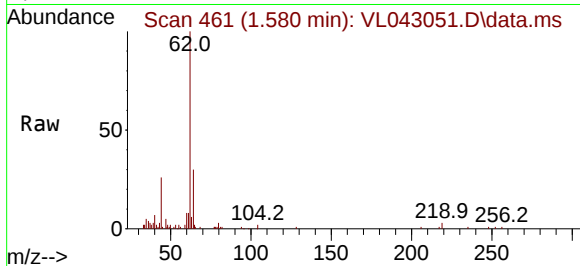




#5
 Vinyl Chloride
 Concen: 0.523 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

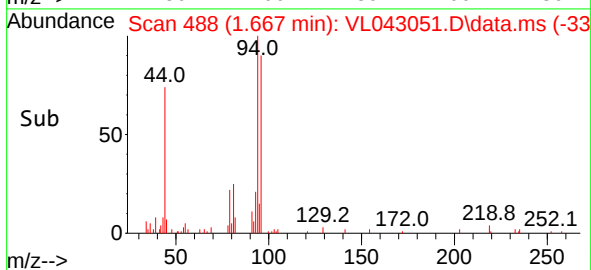
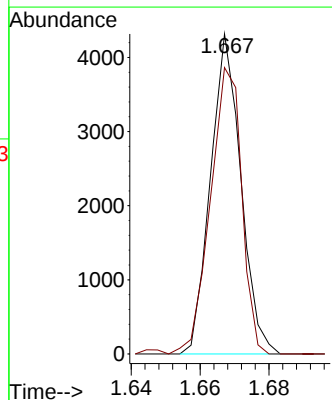
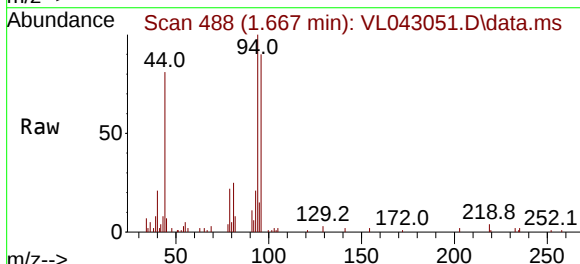
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

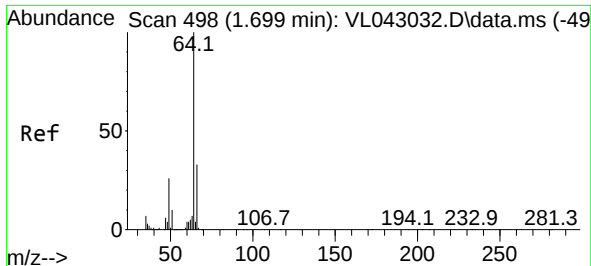
Tgt Ion: 62 Resp: 5190
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.2 39.2



#6
 Bromomethane
 Concen: 0.591 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion: 94 Resp: 2638
 Ion Ratio Lower Upper
 94 100
 96 89.5 77.6 116.4

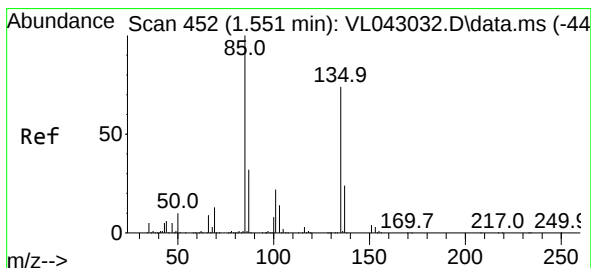
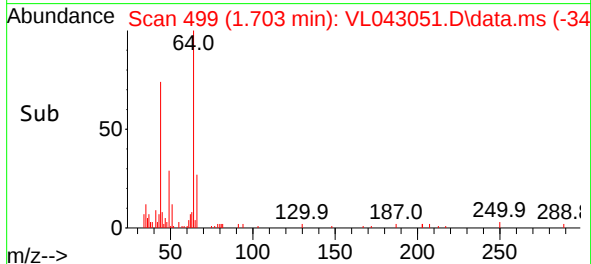
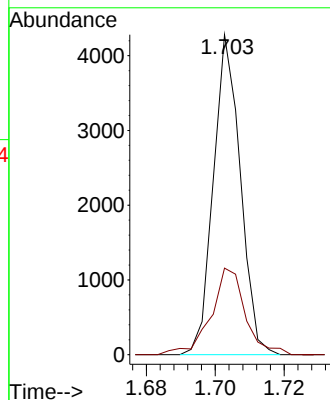
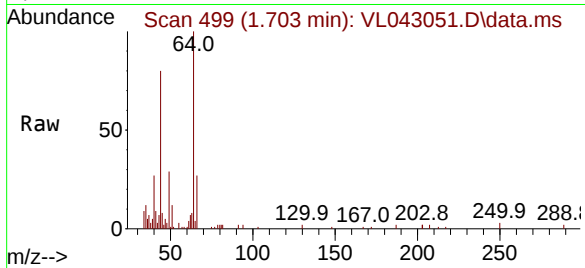




#7
Chloroethane
Concen: 0.562 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

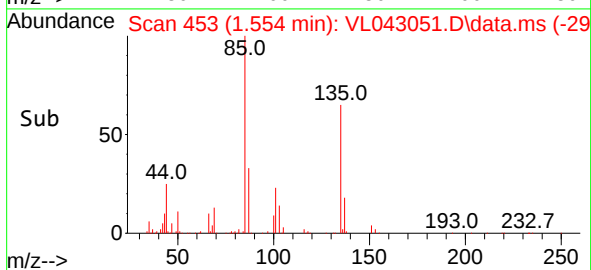
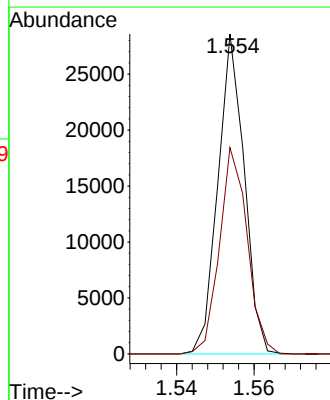
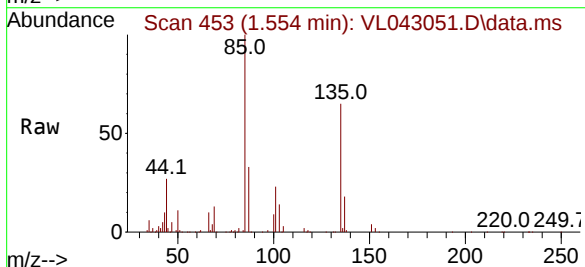
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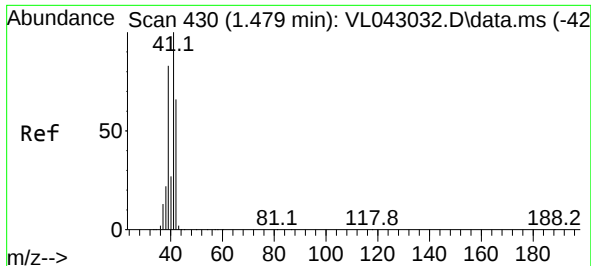
Tgt Ion: 64 Resp: 2329
Ion Ratio Lower Upper
64 100
66 27.1 26.6 39.8



#8
Dichlorotetrafluoroethane
Concen: 0.575 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 85 Resp: 13498
Ion Ratio Lower Upper
85 100
135 68.1 56.3 84.5





#9

Propene

Concen: 0.510 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

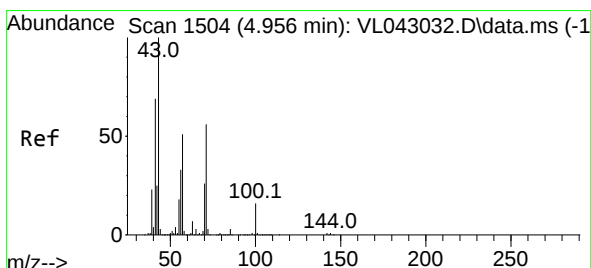
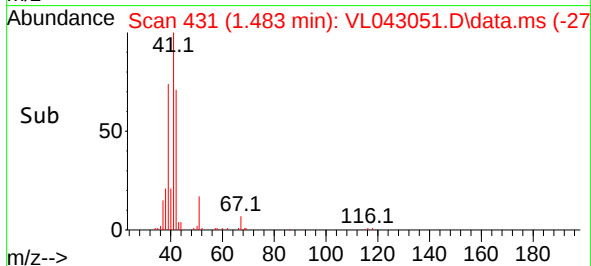
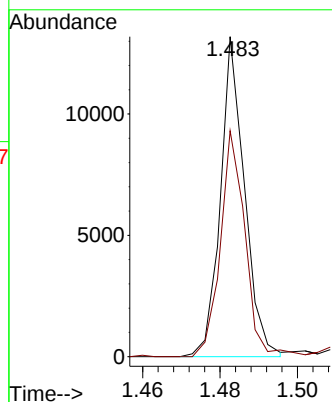
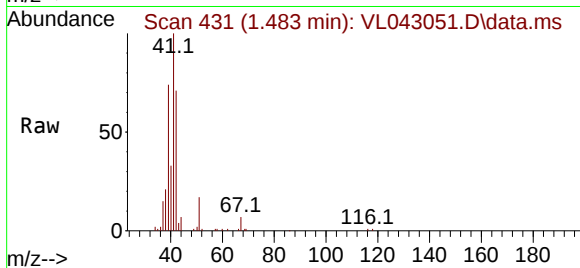
LOQ-AIR-02-QT3-2025

Tgt Ion: 41 Resp: 5700

Ion Ratio Lower Upper

41 100

42 77.9 53.3 79.9



#10

Heptane

Concen: 0.332 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.019 min

Lab File: VL043051.D

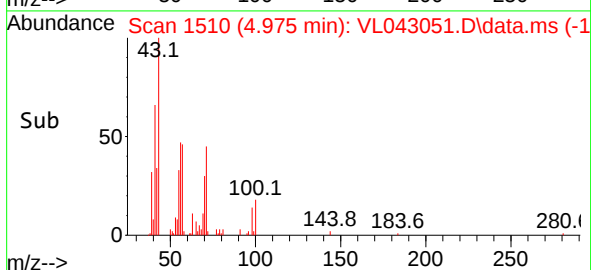
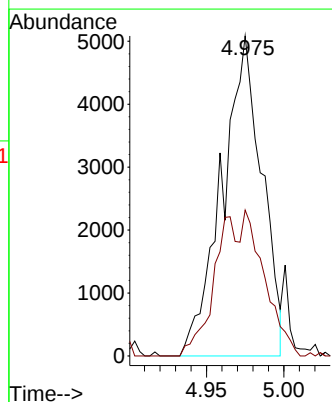
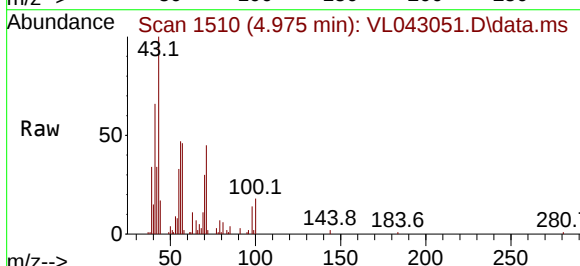
Acq: 06 Oct 2025 13:38

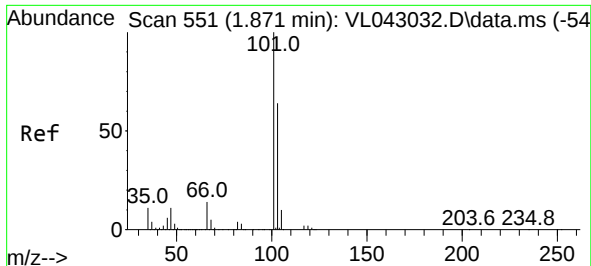
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Ion Ratio Lower Upper

43 100

57 53.9 40.3 60.5

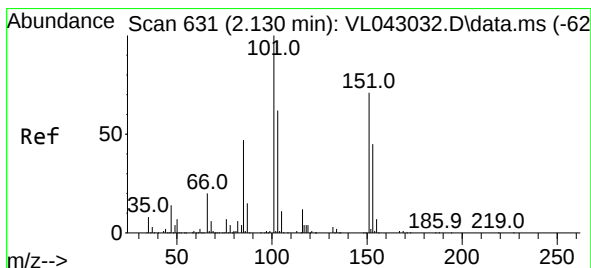
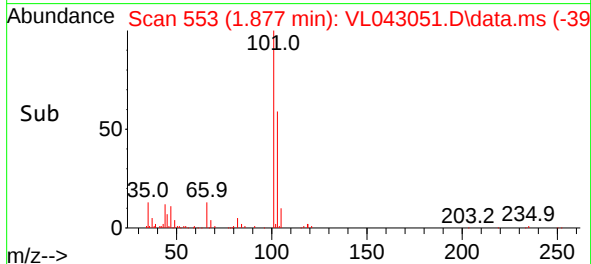
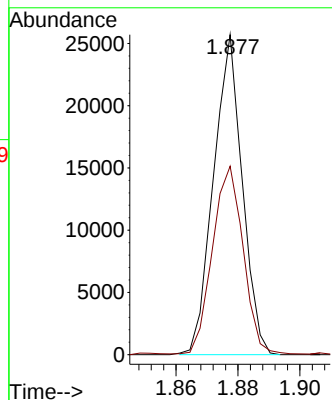
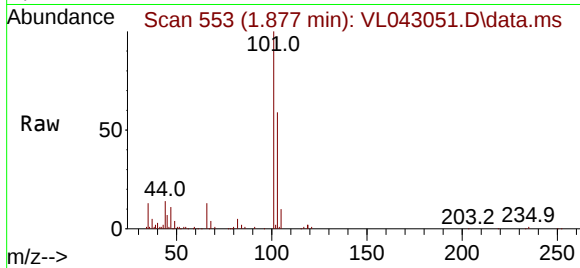




#11
 Trichlorofluoromethane
 Concen: 0.562 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

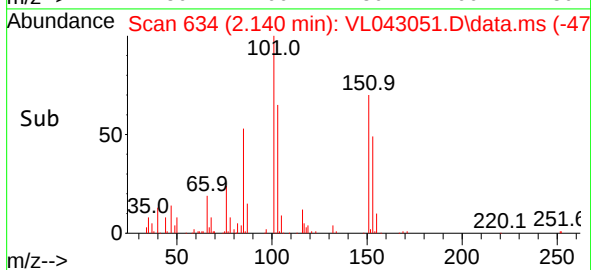
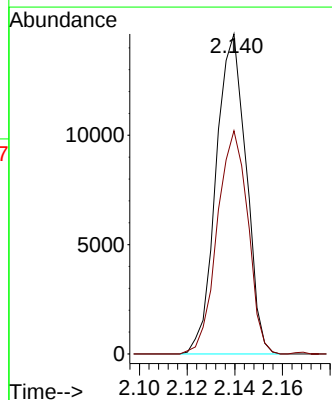
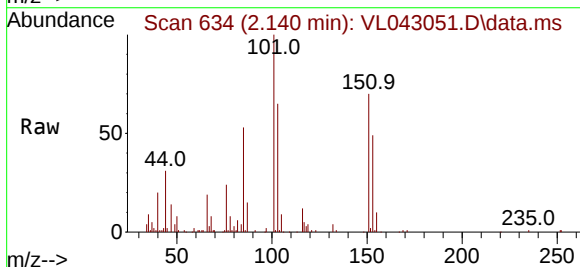
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

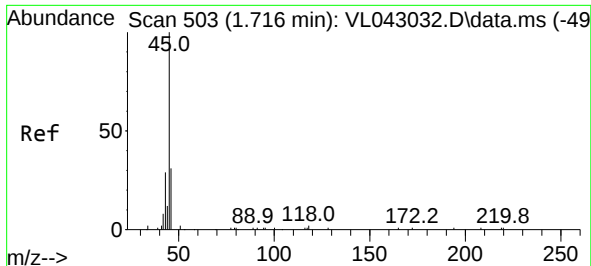
Tgt Ion:101 Resp: 16543
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.553 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.010 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion:101 Resp: 12827
 Ion Ratio Lower Upper
 101 100
 151 71.5 58.1 87.1

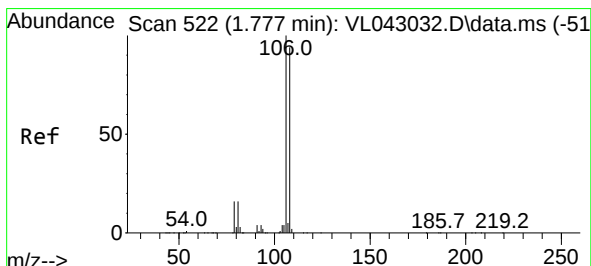
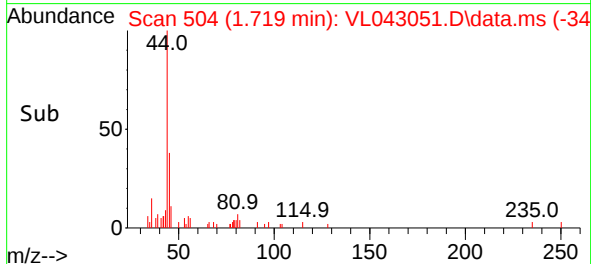
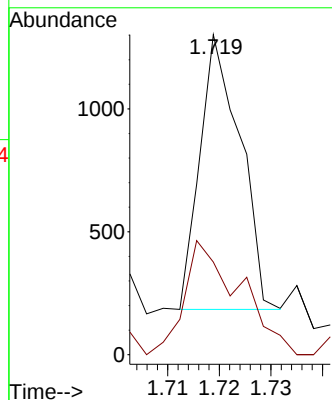
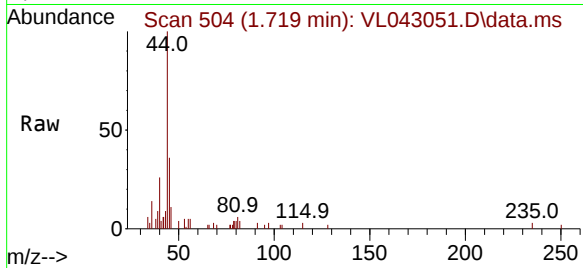




#13
Ethanol
Concen: 0.783 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

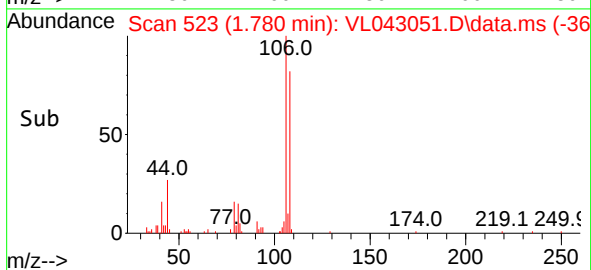
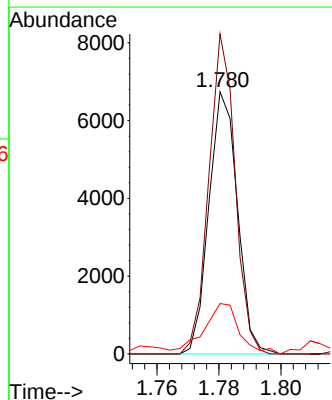
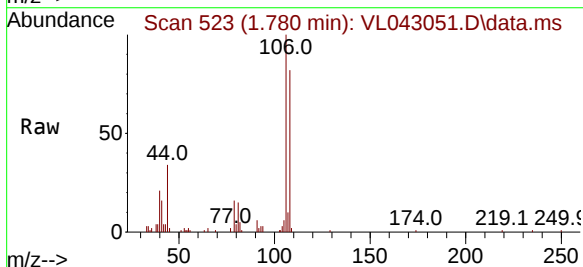
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

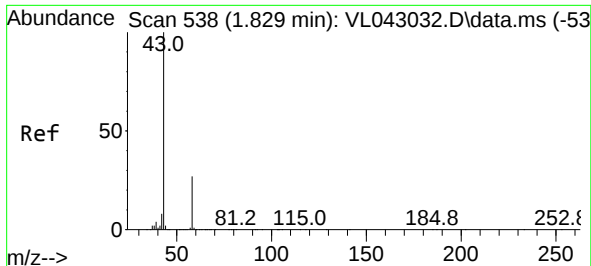
Tgt Ion: 45 Resp: 605
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#



#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 108 Resp: 4314
Ion Ratio Lower Upper
108 100
106 112.0 85.2 127.8
79 23.8 14.8 22.2#

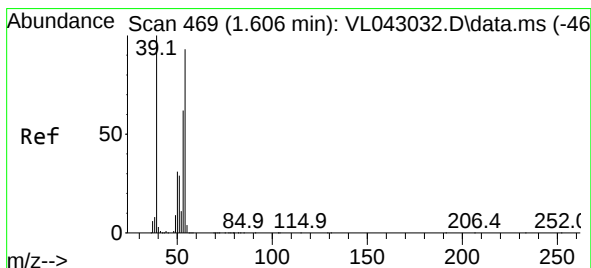
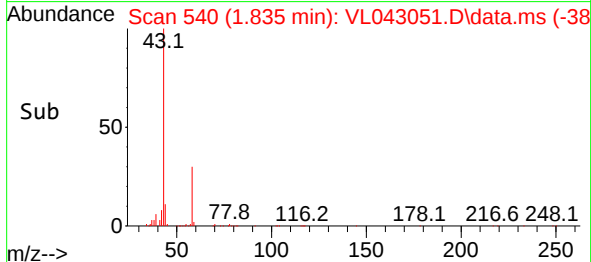
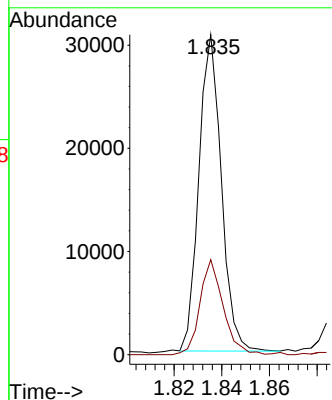
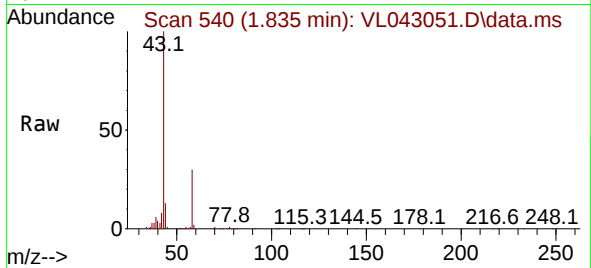




#15
Acetone
Concen: 0.844 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

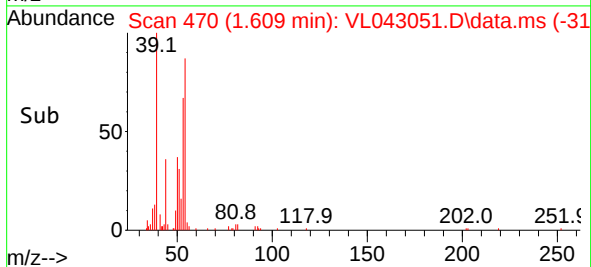
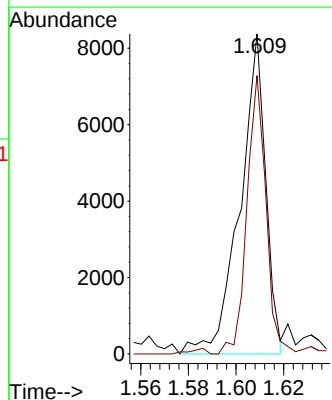
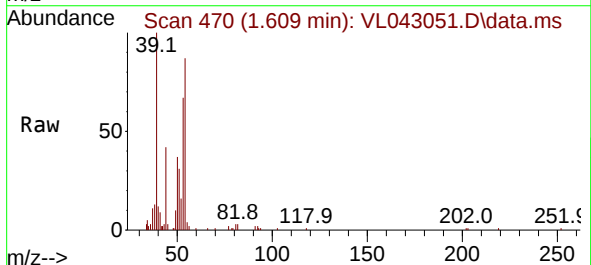
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

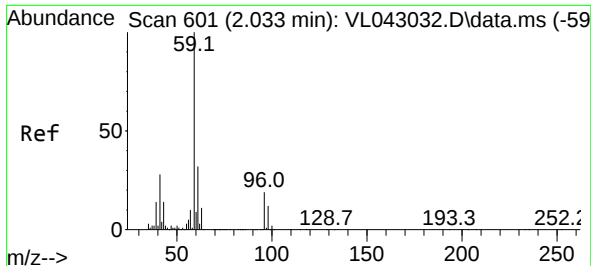
Tgt Ion: 43 Resp: 20089
Ion Ratio Lower Upper
43 100
58 31.3 22.2 33.4



#16
1,3-Butadiene
Concen: 0.640 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 39 Resp: 6277
Ion Ratio Lower Upper
39 100
54 67.7 61.4 92.2





#17

tert-Butyl alcohol

Concen: 0.540 ppbv

RT: 2.039 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

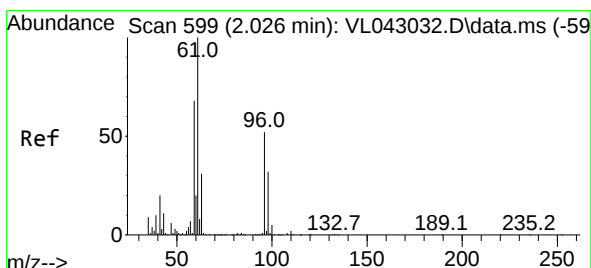
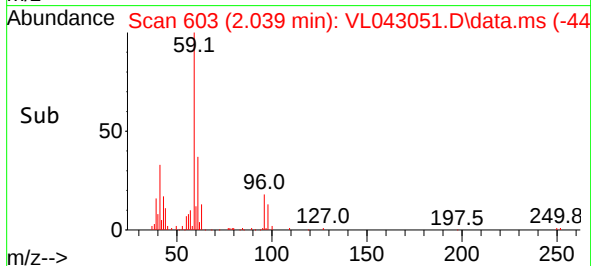
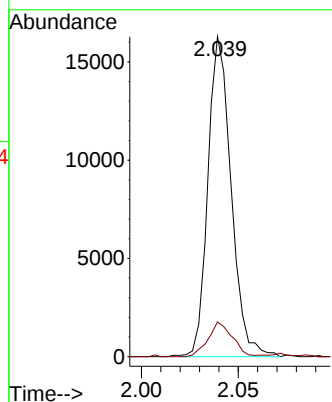
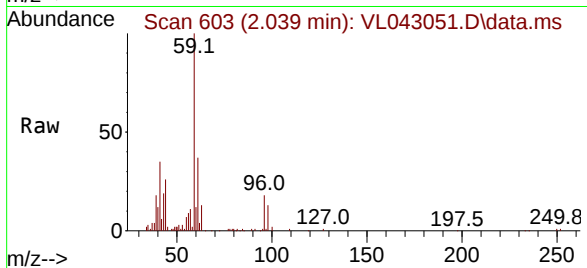
LOQ-AIR-02-QT3-2025

Tgt Ion: 59 Resp: 13590

Ion Ratio Lower Upper

59 100

57 12.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.581 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.314 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

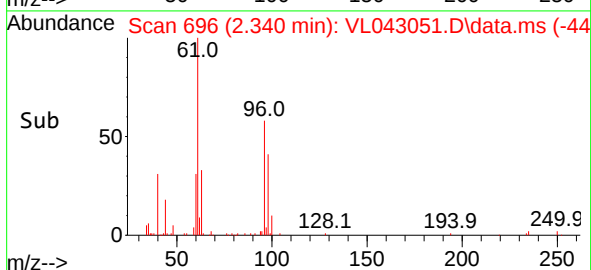
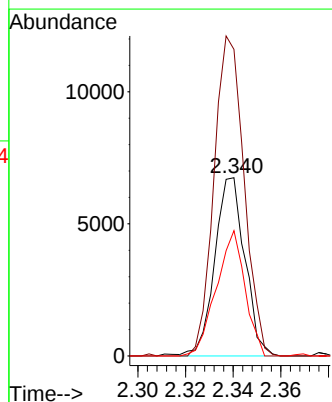
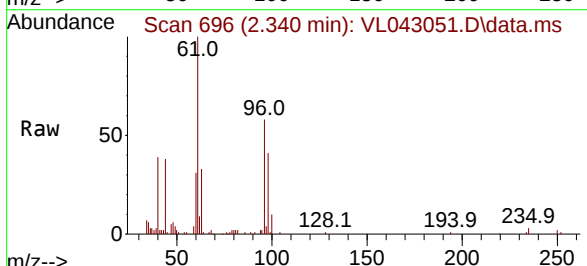
Tgt Ion: 96 Resp: 5905

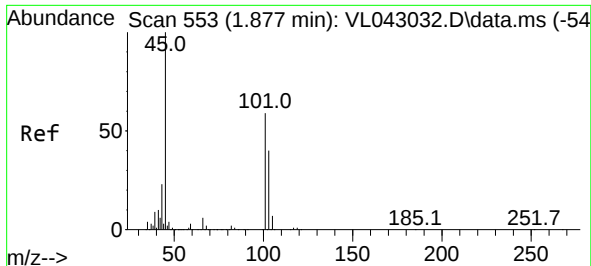
Ion Ratio Lower Upper

96 100

61 171.9 153.0 229.6

98 70.3 48.8 73.2

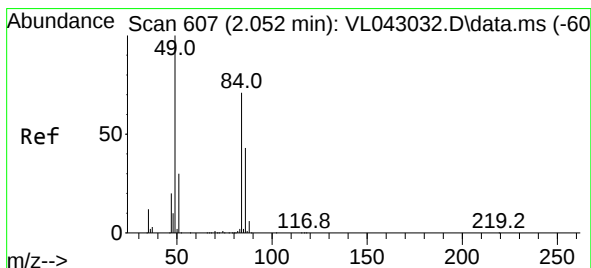
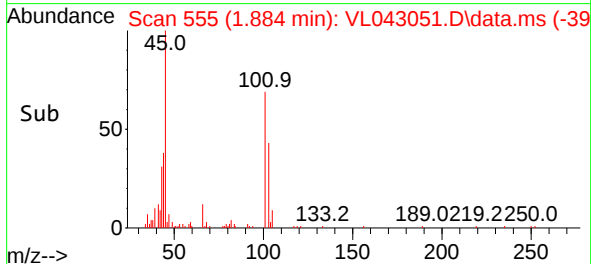
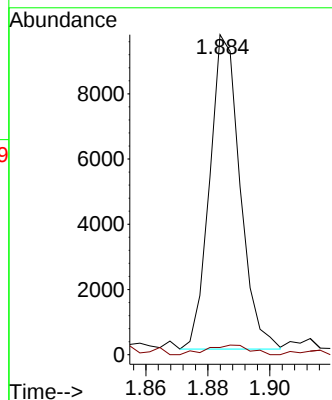
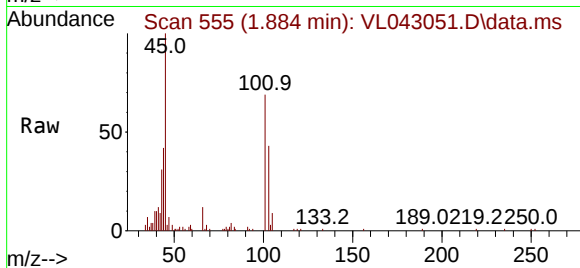




#19
Isopropyl Alcohol
Concen: 0.576 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

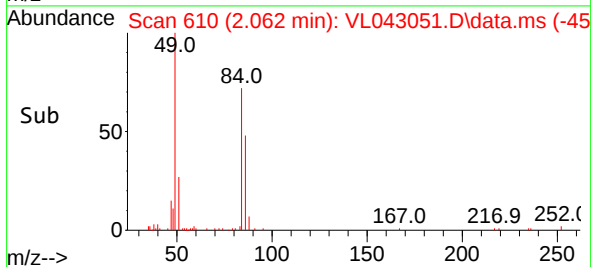
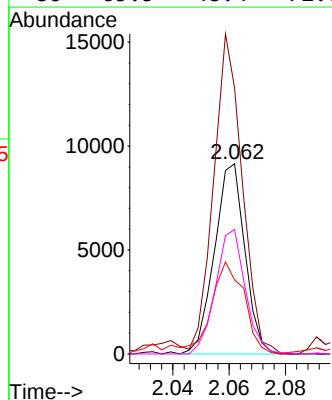
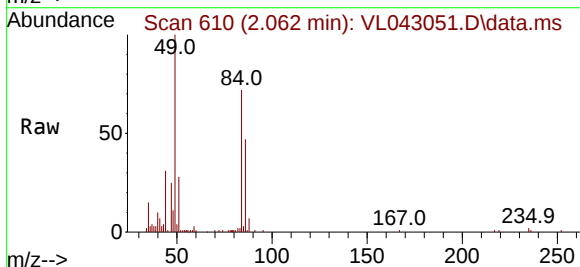
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

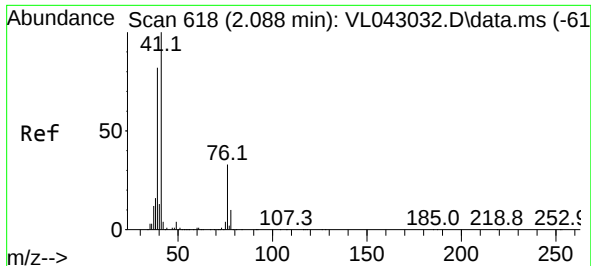
Tgt Ion: 45 Resp: 6562
Ion Ratio Lower Upper
45 100
58 5.5 42.3 63.5#



#20
Methylene Chloride
Concen: 0.661 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 84 Resp: 6865
Ion Ratio Lower Upper
84 100
49 139.1 112.5 168.7
51 38.9 34.2 51.2
86 65.5 48.4 72.6

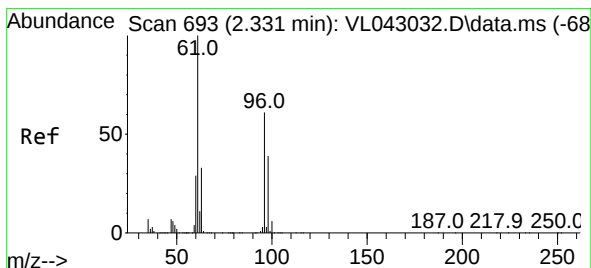
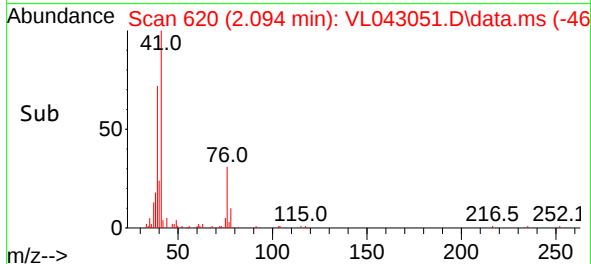
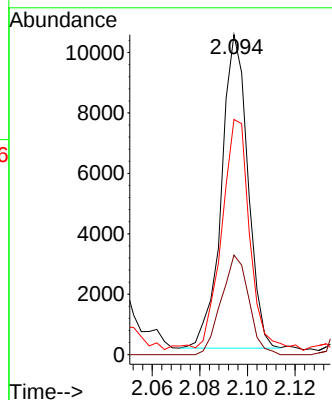
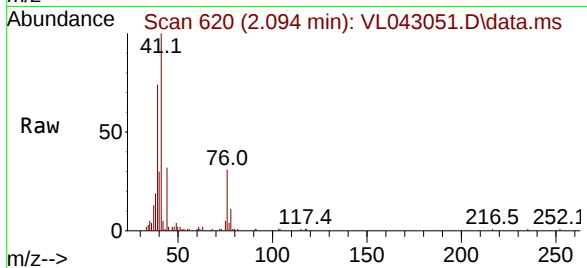




#21
 Allyl Chloride
 Concen: 0.525 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

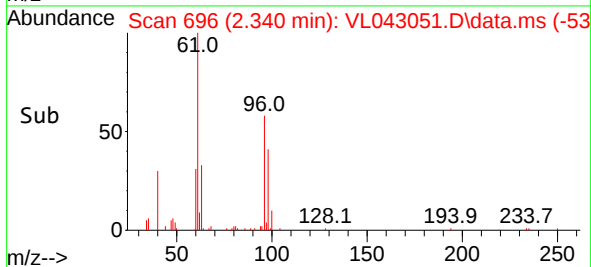
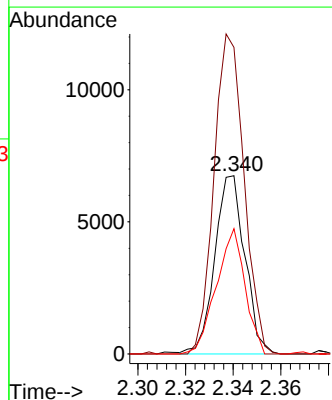
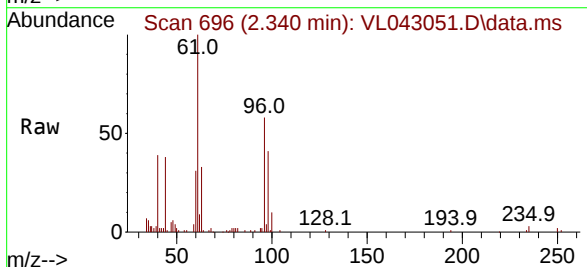
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

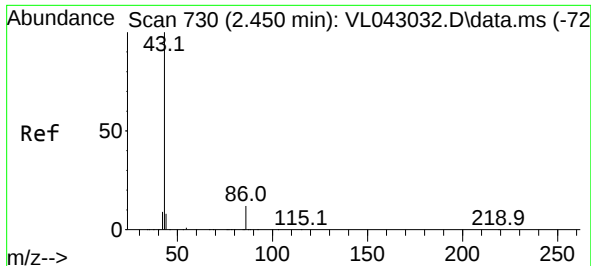
Tgt Ion:	41	Resp:	8003
Ion	Ratio	Lower	Upper
41	100		
76	32.9	25.9	38.9
39	80.7	63.0	94.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.512 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.010 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion:	96	Resp:	5905
Ion	Ratio	Lower	Upper
96	100		
61	171.9	131.9	197.9
98	70.3	52.1	78.1

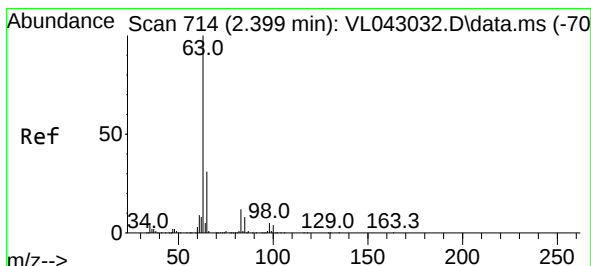
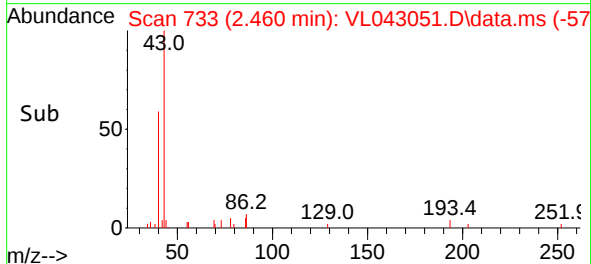
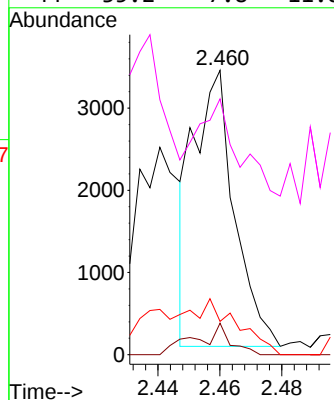
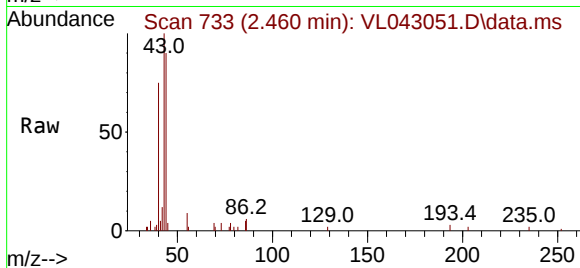




#23
 Vinyl Acetate
 Concen: 0.609 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.010 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

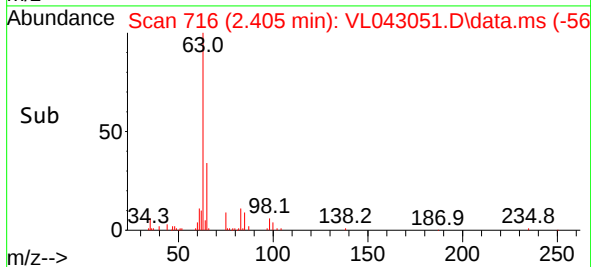
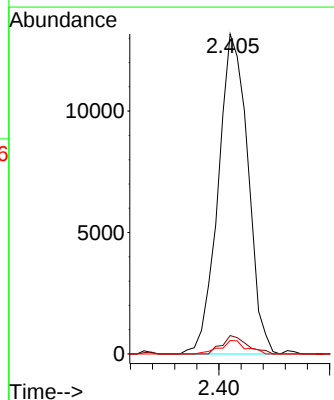
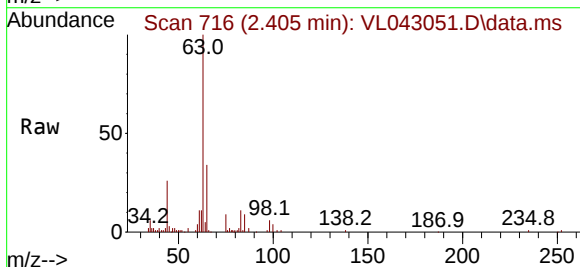
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

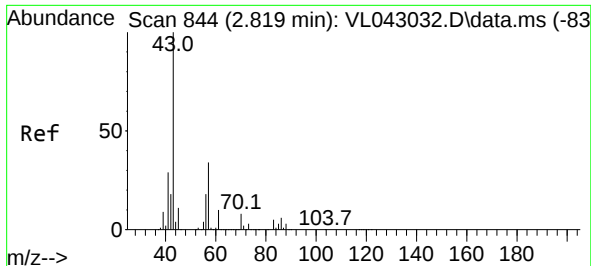
Tgt Ion:	43	Resp:	3075
Ion	Ratio	Lower	Upper
43	100		
86	11.4	7.5	11.3#
42	12.1	8.4	12.6
44	35.2	7.8	11.8#



#24
 1,1-Dichloroethane
 Concen: 0.563 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion:	63	Resp:	12305
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.5	7.4
100	4.2	1.8	5.4

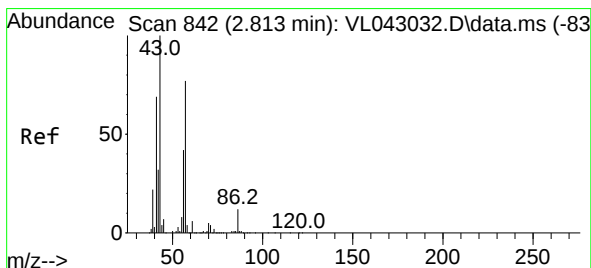
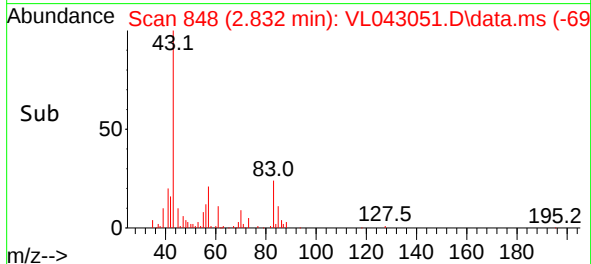
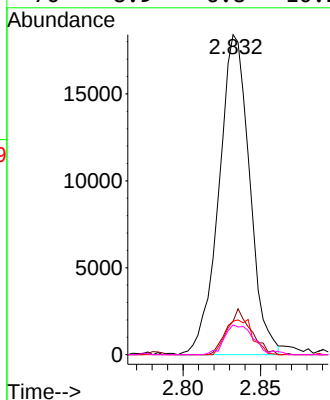
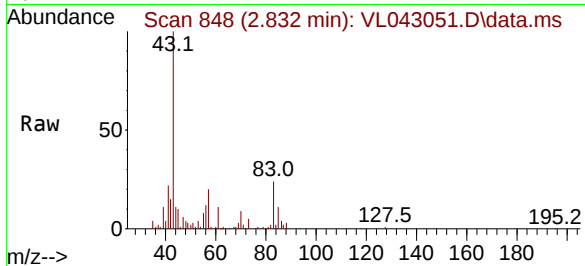




#25
Ethyl Acetate
Concen: 0.424 ppbv
RT: 2.832 min Scan# 844
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

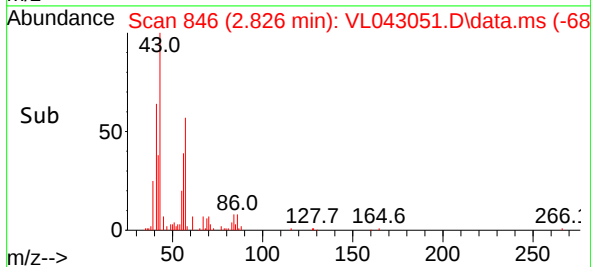
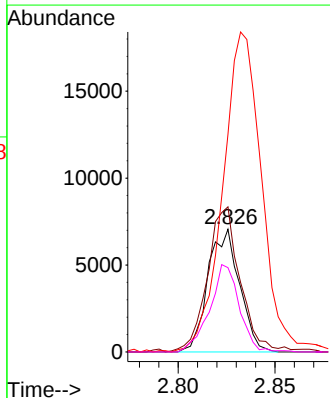
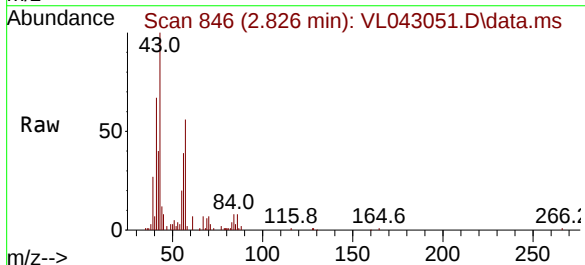
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

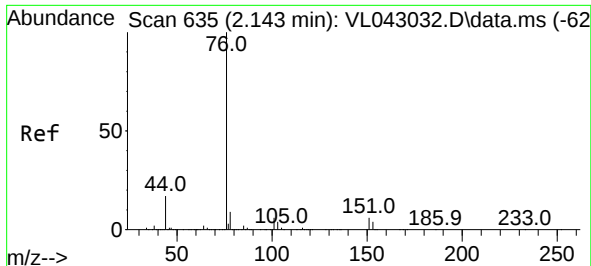
Tgt Ion: 43	Resp: 25312
Ion Ratio	Lower Upper
43 100	
45 11.3	8.3 12.5
61 9.7	7.5 11.3
70 8.9	6.8 10.2



#26
Hexane
Concen: 0.349 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 57	Resp: 8018
Ion Ratio	Lower Upper
57 100	
41 125.1	76.1 114.1#
43 323.7	201.4 302.0#
56 66.8	44.0 66.0#





#27

Carbon Disulfide

Concen: 0.534 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

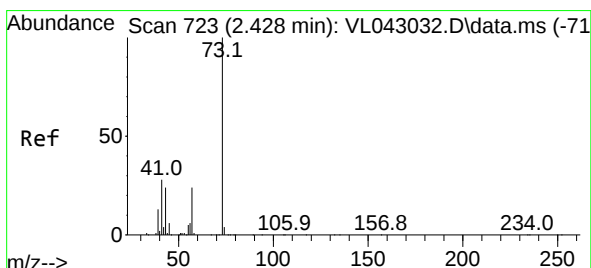
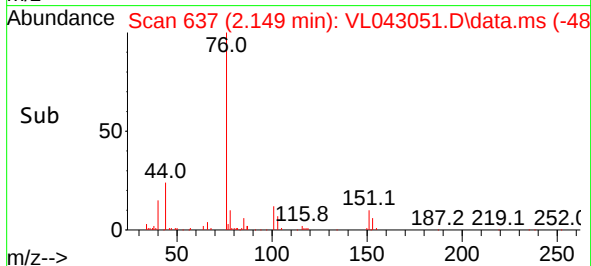
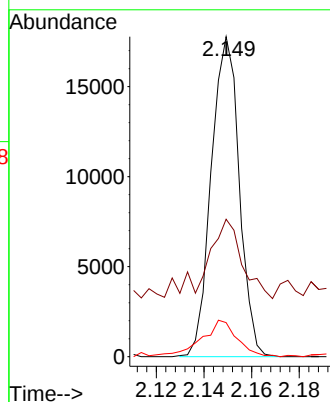
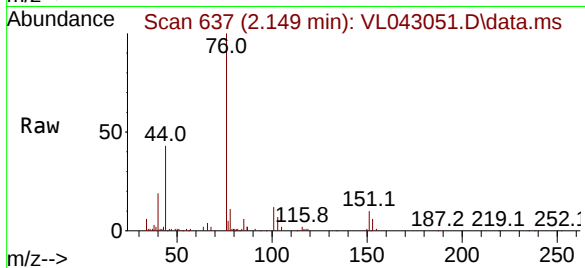
Tgt Ion: 76 Resp: 14461

Ion Ratio Lower Upper

76 100

44 94.4 14.0 21.0#

78 14.4 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.568 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.013 min

Lab File: VL043051.D

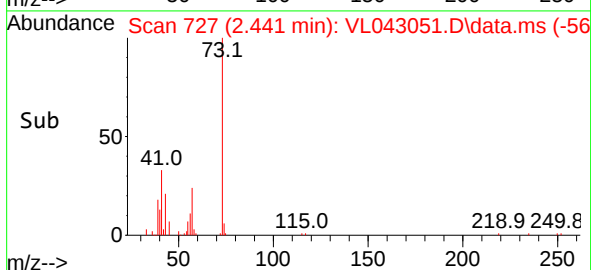
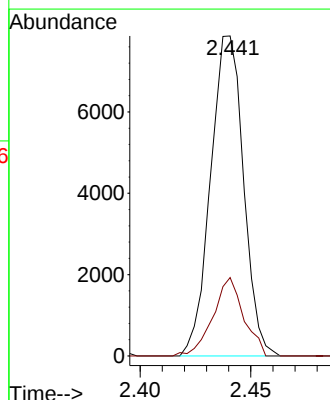
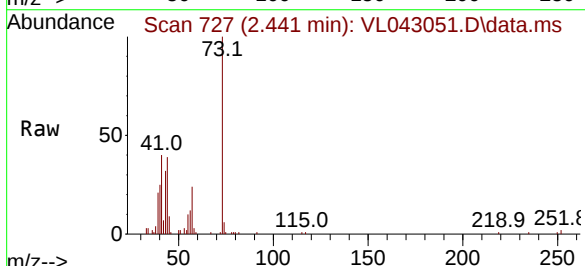
Acq: 06 Oct 2025 13:38

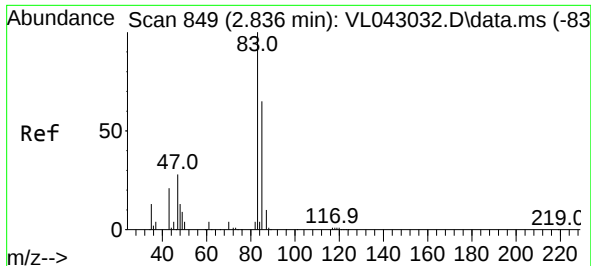
Tgt Ion: 73 Resp: 8154

Ion Ratio Lower Upper

73 100

57 22.8 17.8 26.8





#29

Chloroform

Concen: 0.534 ppbv

RT: 2.842 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

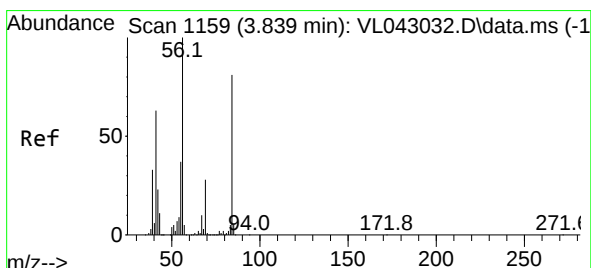
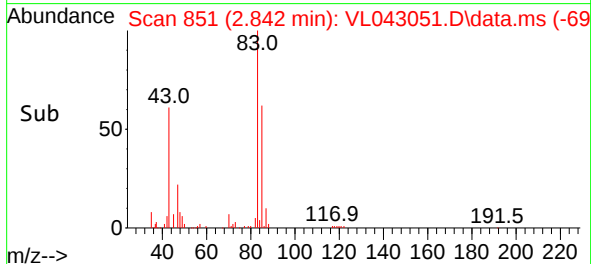
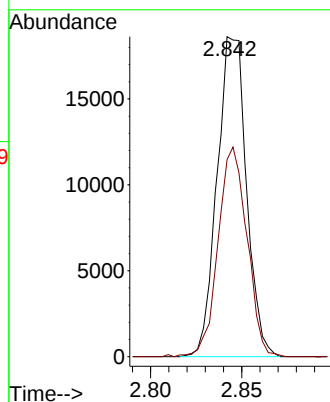
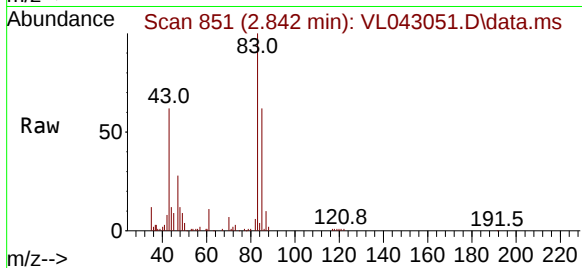
LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 20920

Ion Ratio Lower Upper

83 100

85 61.2 52.0 78.0



#30

Cyclohexane

Concen: 0.145 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.016 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

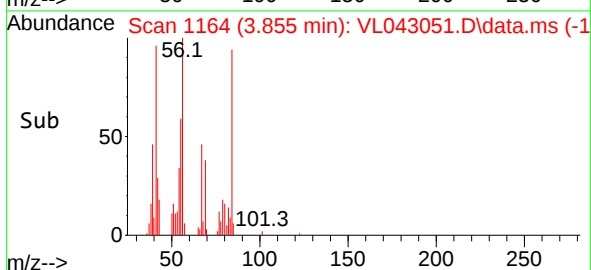
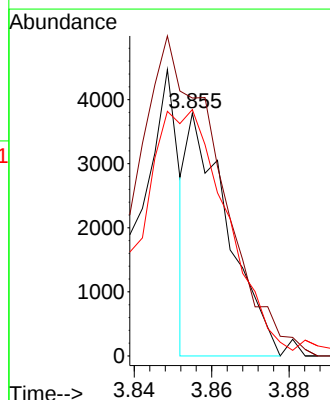
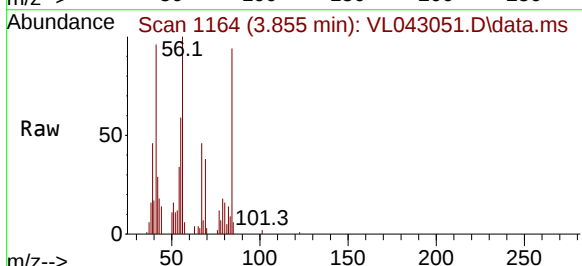
Tgt Ion: 84 Resp: 2734

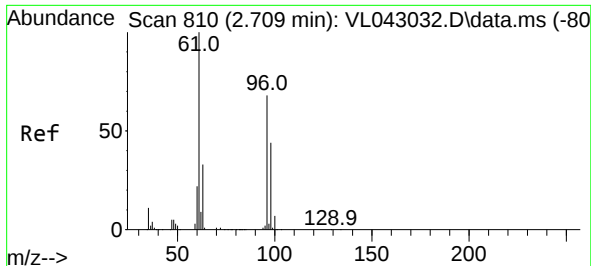
Ion Ratio Lower Upper

84 100

56 0.0 99.9 149.9#

41 237.2 64.2 96.4#

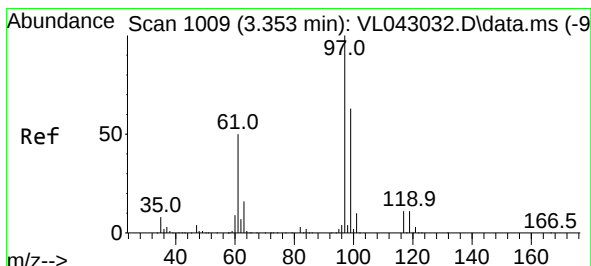
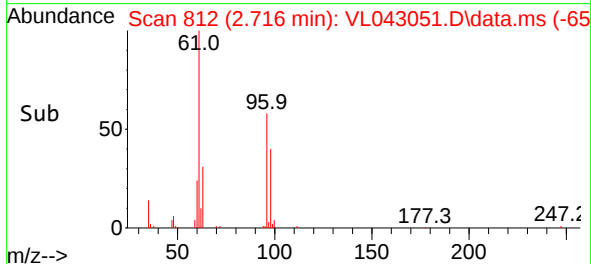
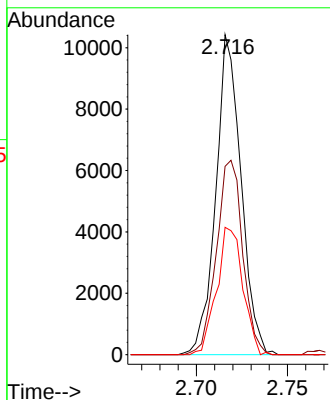
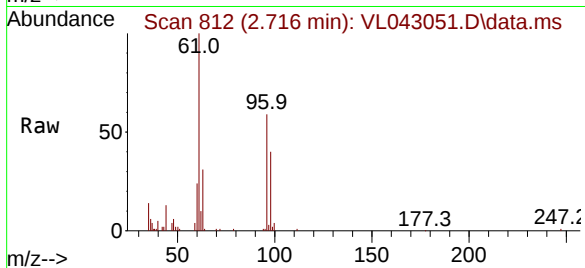




#31
 cis-1,2-Dichloroethene
 Concen: 0.426 ppbv
 RT: 2.716 min Scan# 810
 Delta R.T. 0.006 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

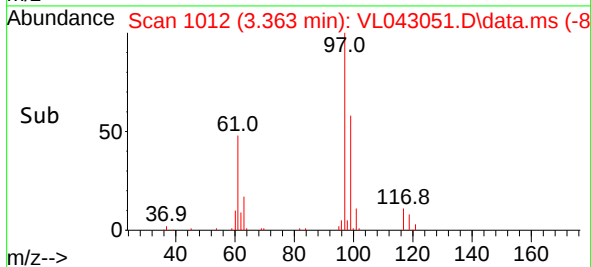
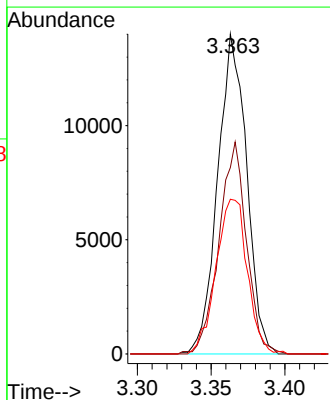
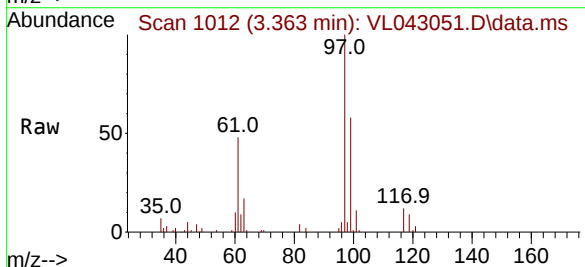
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

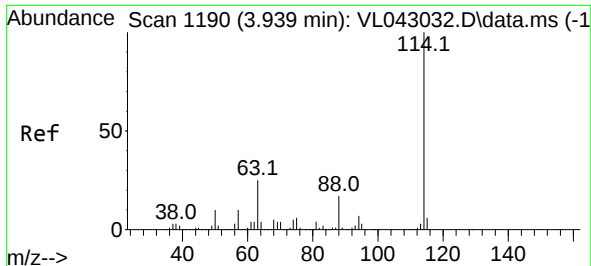
Tgt Ion:	61	Resp:	10048
Ion	Ratio	Lower	Upper
61	100		
96	58.8	54.6	82.0
98	39.8	34.8	52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.502 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.010 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion:	97	Resp:	19100
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	52.4	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.013 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

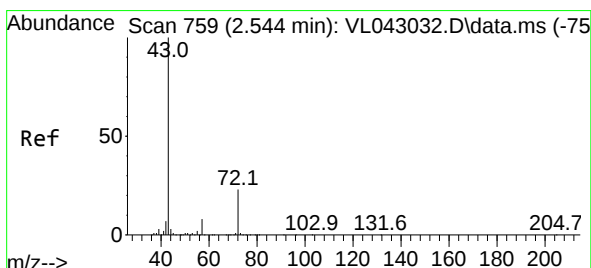
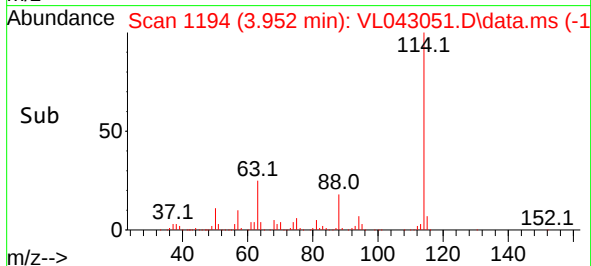
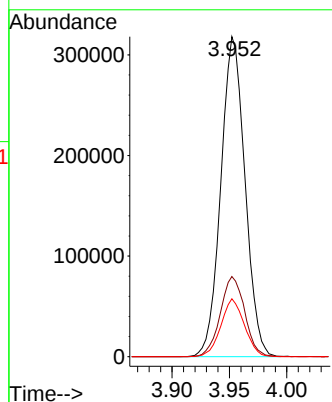
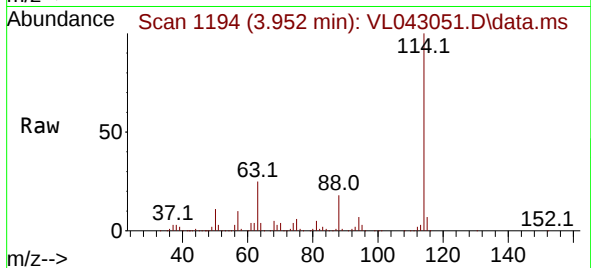
Tgt Ion:114 Resp: 465960

Ion Ratio Lower Upper

114 100

63 25.3 19.4 29.2

88 17.6 13.9 20.9



#34

2-Butanone

Concen: 0.485 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.013 min

Lab File: VL043051.D

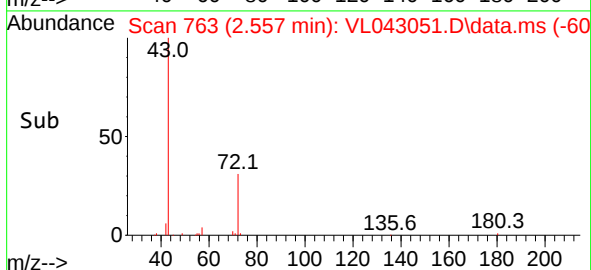
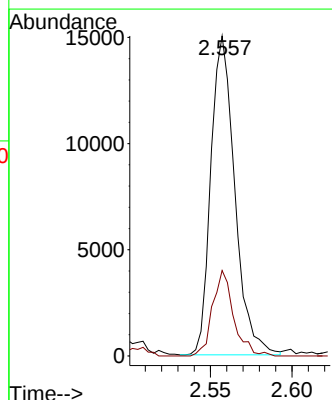
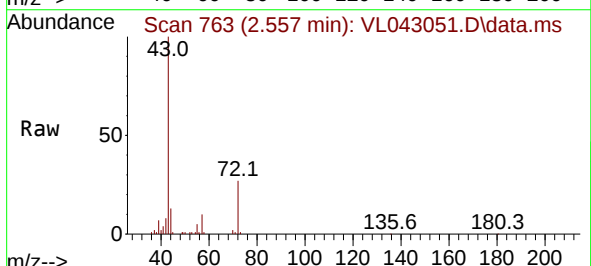
Acq: 06 Oct 2025 13:38

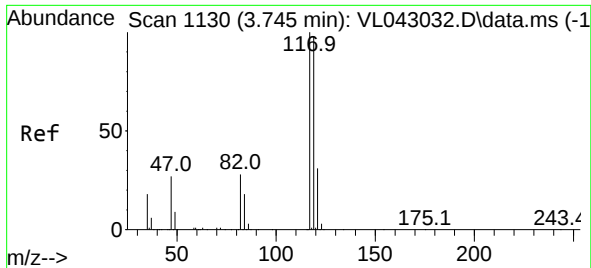
Tgt Ion: 43 Resp: 15345

Ion Ratio Lower Upper

43 100

72 23.6 18.4 27.6

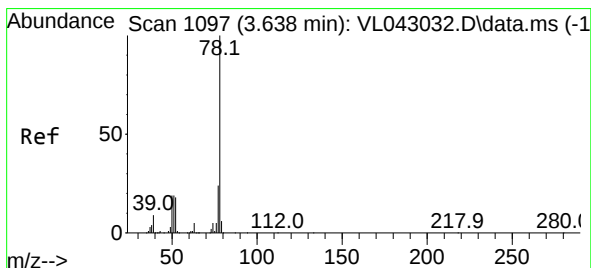
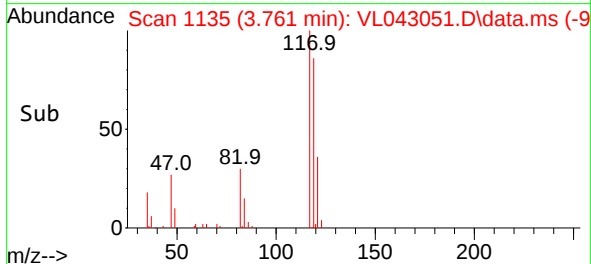
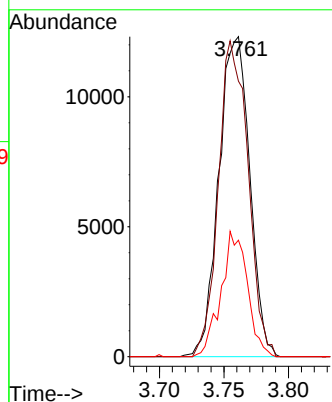
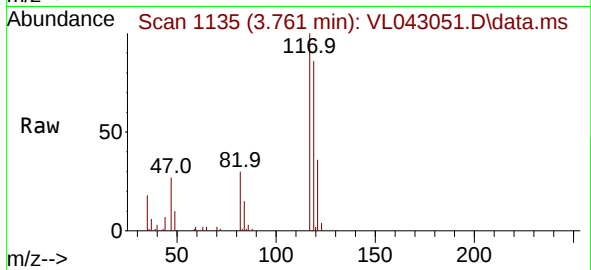




#35
Carbon Tetrachloride
Concen: 0.535 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

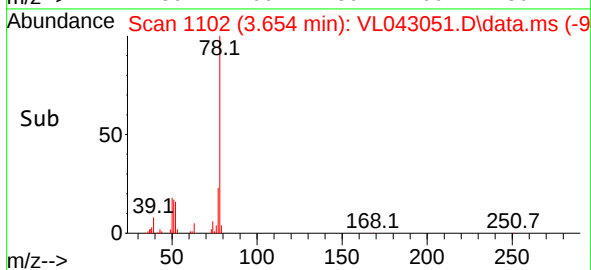
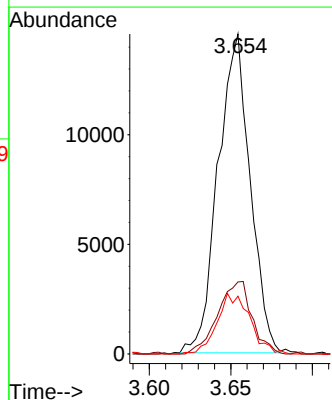
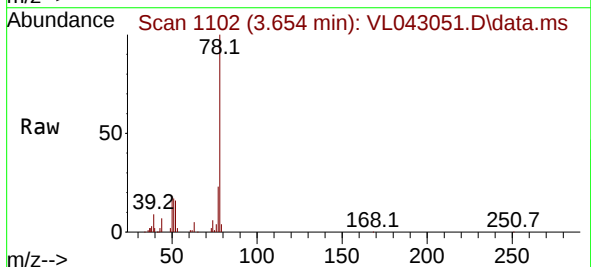
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

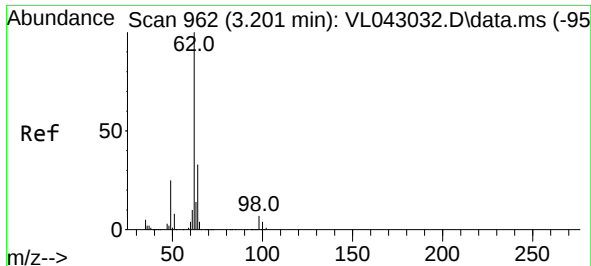
Tgt Ion:117 Resp: 20520
Ion Ratio Lower Upper
117 100
119 86.1 78.2 117.4
121 36.4 24.8 37.2



#36
Benzene
Concen: 0.447 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 78 Resp: 19888
Ion Ratio Lower Upper
78 100
77 22.6 19.2 28.8
50 18.1 14.9 22.3





#37

1,2-Dichloroethane

Concen: 0.539 ppbv

RT: 3.214 min Scan# 9

Delta R.T. 0.013 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

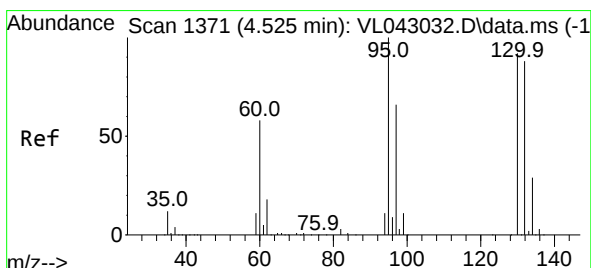
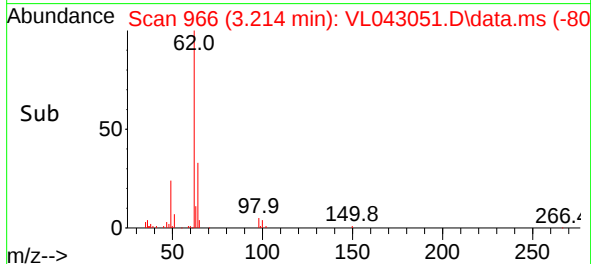
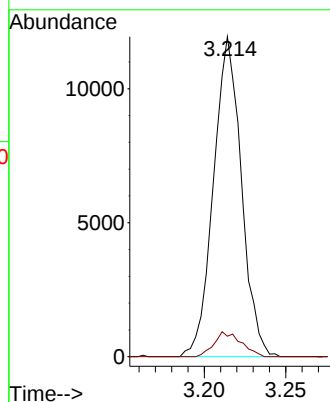
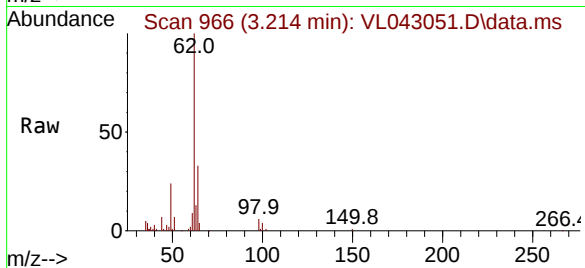
LOQ-AIR-02-QT3-2025

Tgt Ion: 62 Resp: 14215

Ion Ratio Lower Upper

62 100

98 7.5 5.6 8.4



#38

Trichloroethene

Concen: 0.490 ppbv

RT: 4.544 min Scan# 1377

Delta R.T. 0.019 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Tgt Ion:130 Resp: 9090

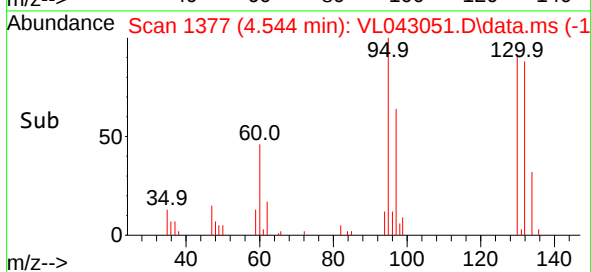
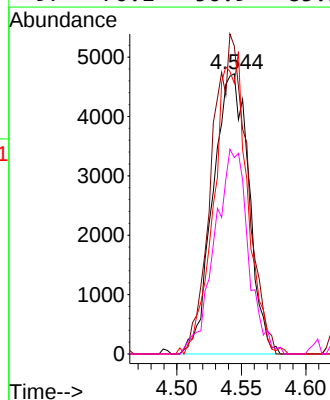
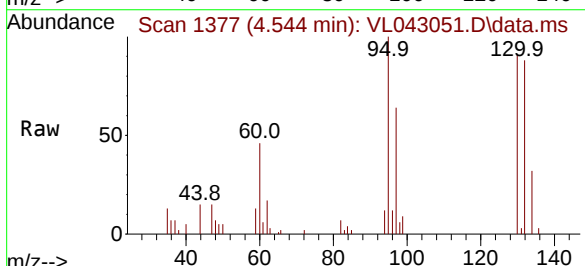
Ion Ratio Lower Upper

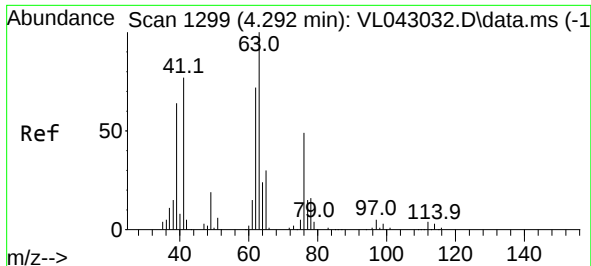
130 100

95 109.9 86.4 129.6

132 94.6 75.7 113.5

97 70.1 56.9 85.3





#39

1,2-Dichloropropane

Concen: 0.471 ppbv

RT: 4.305 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

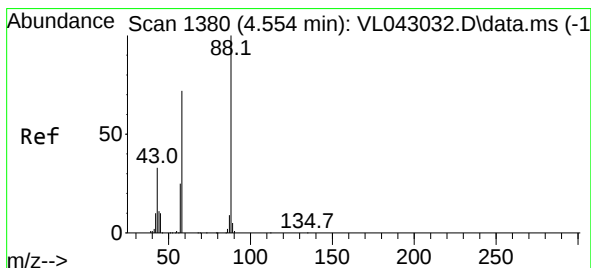
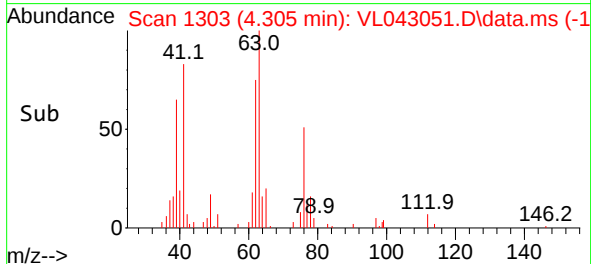
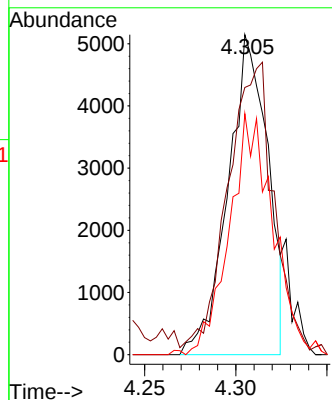
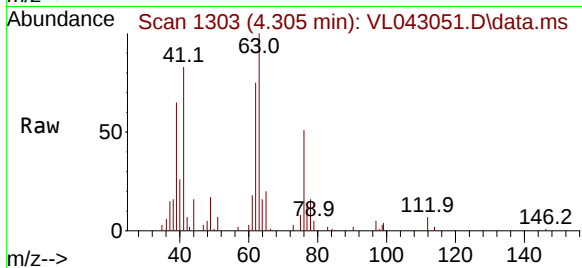
Tgt Ion: 63 Resp: 7779

Ion Ratio Lower Upper

63 100

41 81.3 61.6 92.4

62 74.1 58.1 87.1



#40

1,4-Dioxane

Concen: 0.267 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.039 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Tgt Ion: 88 Resp: 1890

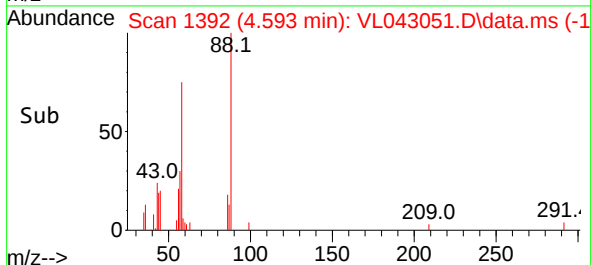
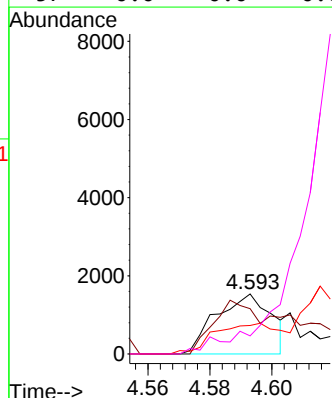
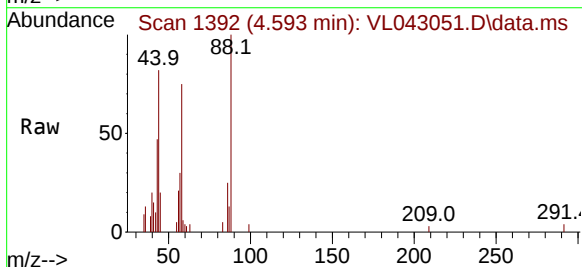
Ion Ratio Lower Upper

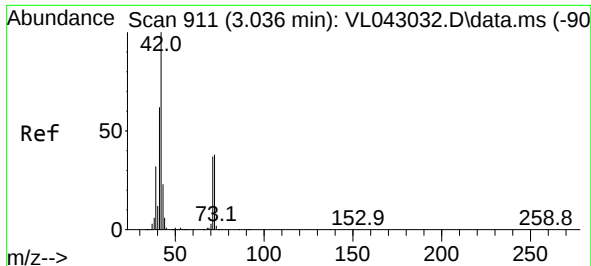
88 100

58 136.6 56.2 84.2#

43 0.0 25.7 38.5#

57 0.0 0.0 0.0

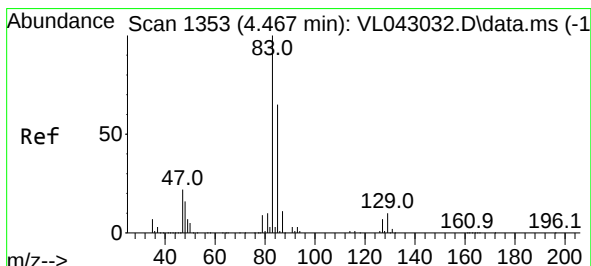
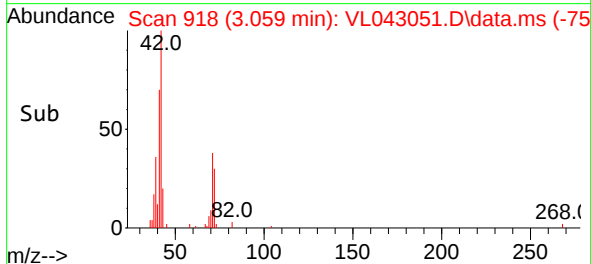
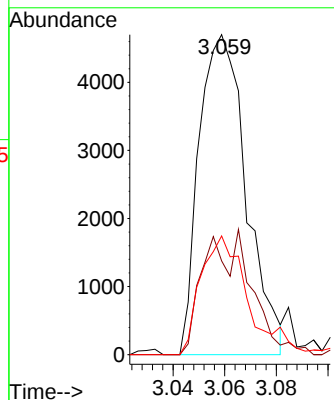
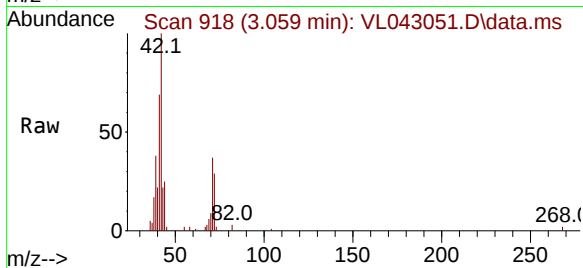




#41
Tetrahydrofuran
Concen: 0.365 ppbv
RT: 3.059 min Scan# 911
Delta R.T. 0.023 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

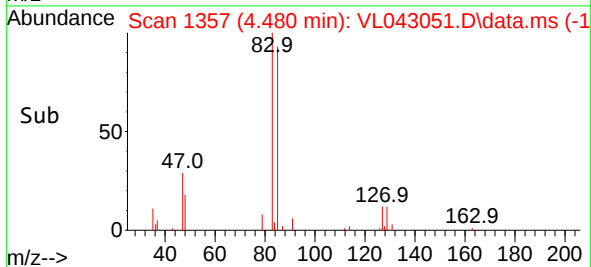
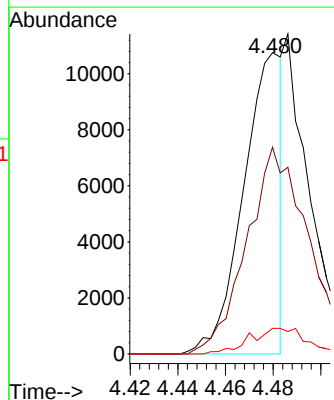
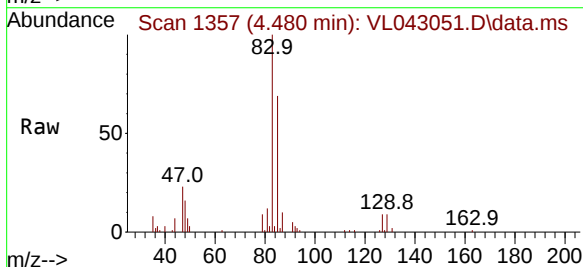
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

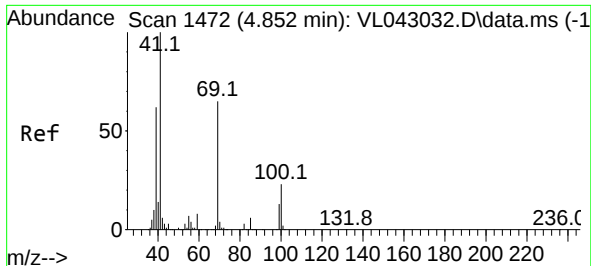
Tgt Ion:	42	Resp:	5971
Ion Ratio	Lower	Upper	
42	100		
72	39.3	31.0	46.6
71	37.5	29.8	44.6



#42
Bromodichloromethane
Concen: 0.323 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:	83	Resp:	12042
Ion Ratio	Lower	Upper	
83	100		
85	68.6	51.8	77.8
127	8.5	5.9	8.9

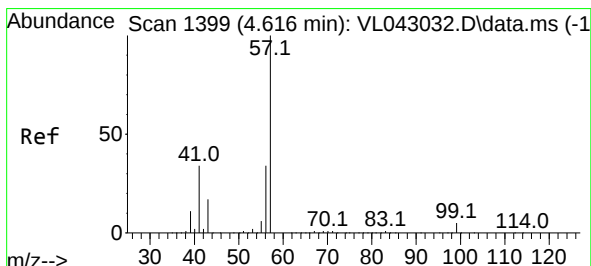
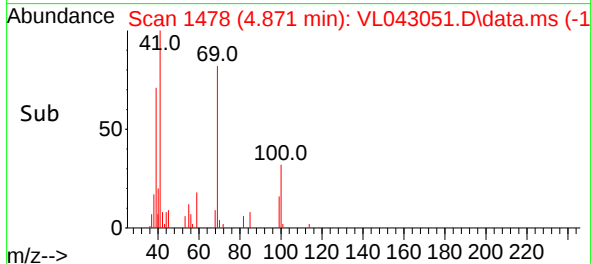
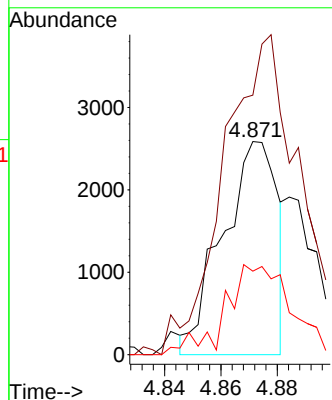
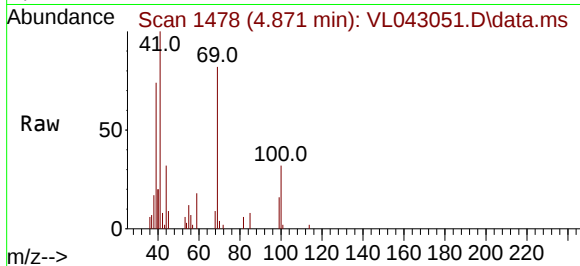




#43
Methyl Methacrylate
Concen: 0.235 ppbv
RT: 4.871 min Scan# 1472
Delta R.T. 0.019 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

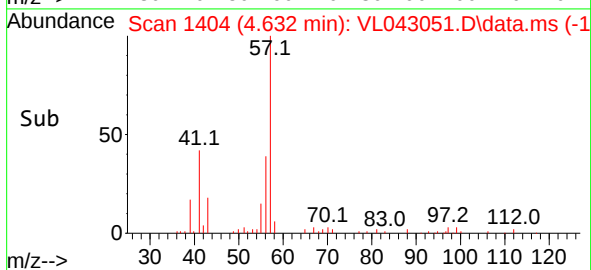
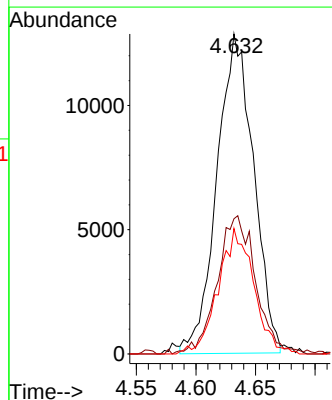
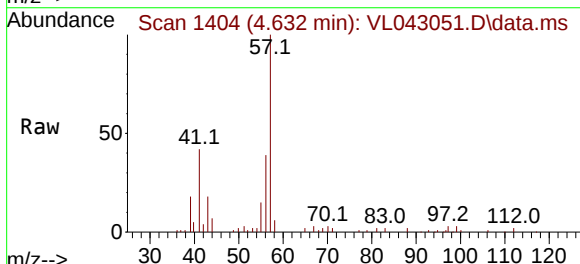
Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT3-2025

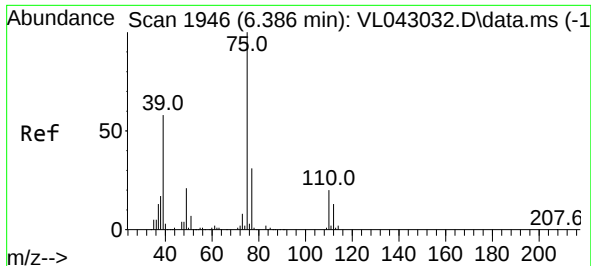
Tgt Ion: 69 Resp: 3471
Ion Ratio Lower Upper
69 100
41 0.0 118.0 177.0#
100 53.3 28.3 42.5#



#44
2,2,4-Trimethylpentane
Concen: 0.384 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 57 Resp: 27453
Ion Ratio Lower Upper
57 100
41 46.3 27.0 40.4#
56 38.1 26.0 39.0

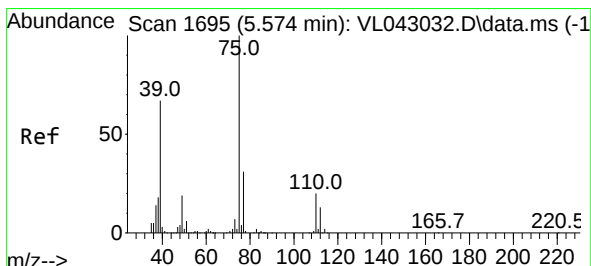
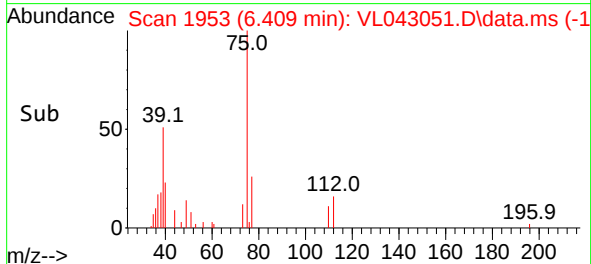
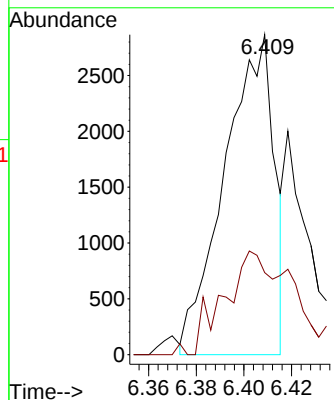
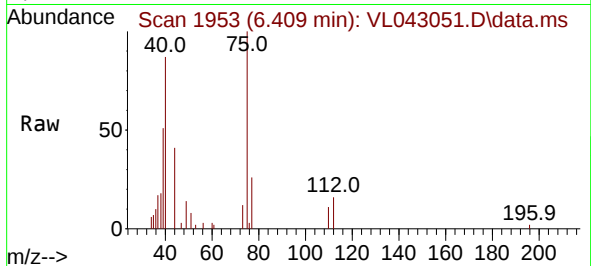




#45
 t-1,3-Dichloropropene
 Concen: 0.306 ppbv
 RT: 6.409 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

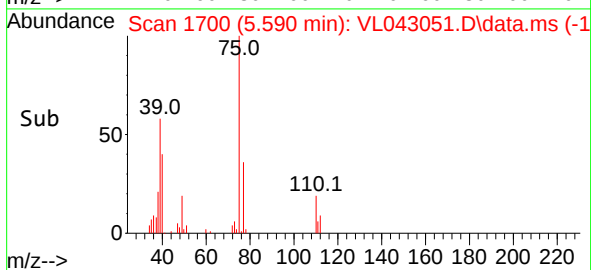
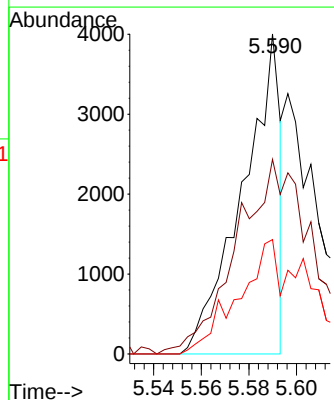
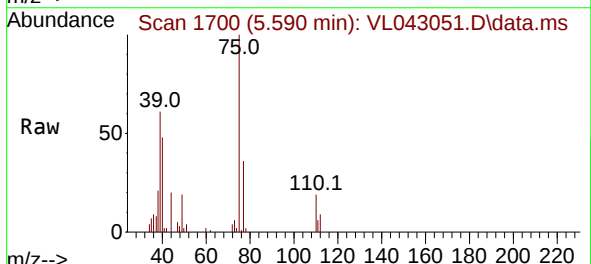
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

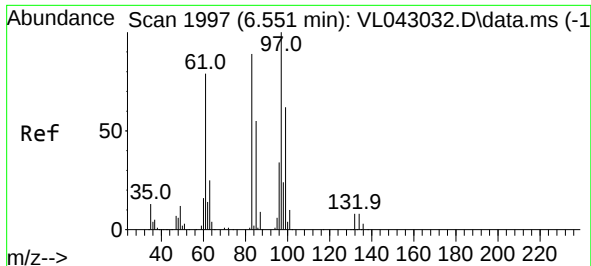
Tgt Ion: 75 Resp: 4135
 Ion Ratio Lower Upper
 75 100
 77 25.6 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 0.231 ppbv
 RT: 5.590 min Scan# 1700
 Delta R.T. 0.016 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion: 75 Resp: 4397
 Ion Ratio Lower Upper
 75 100
 39 58.3 53.4 80.0
 77 35.8 25.0 37.4

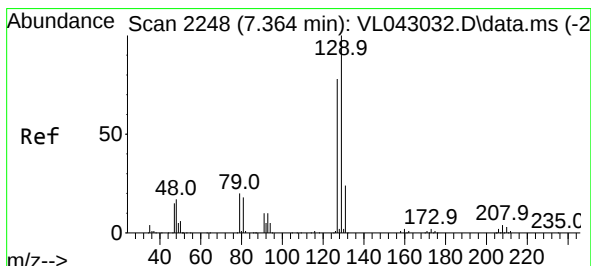
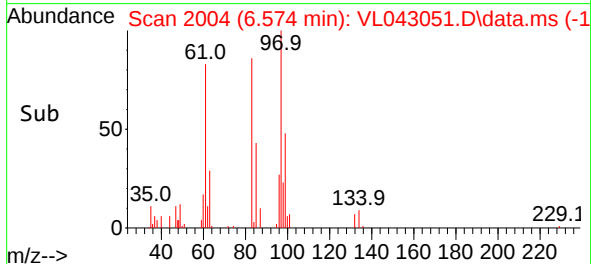
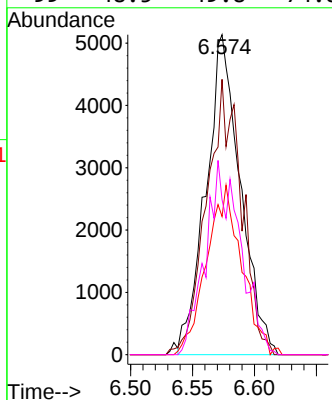
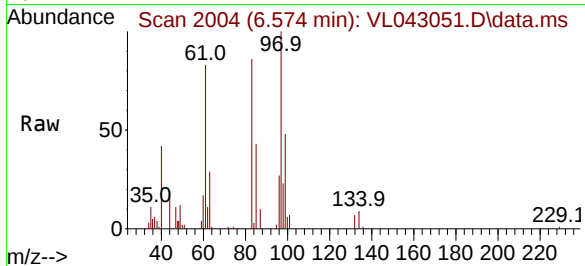




#47
1,1,2-Trichloroethane
Concen: 0.542 ppbv
RT: 6.574 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

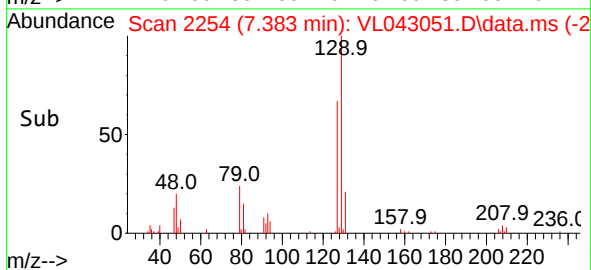
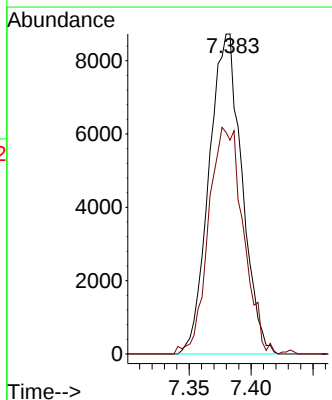
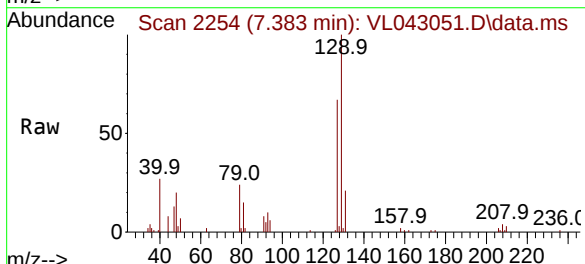
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

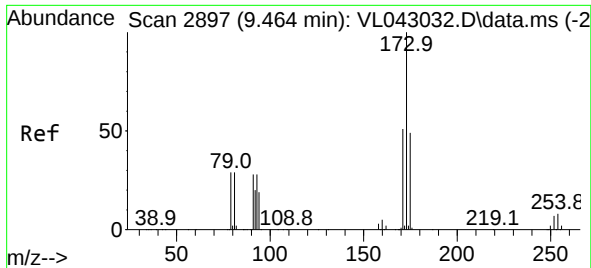
Tgt Ion: 97	Resp:	9940
Ion Ratio	Lower	Upper
97	100	
83	86.0	71.1 106.7
85	42.1	44.3 66.5#
99	48.5	49.8 74.8#



#48
Dibromochloromethane
Concen: 0.538 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.019 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 129	Resp:	16129
Ion Ratio	Lower	Upper
129	100	
127	75.1	38.6 116.0

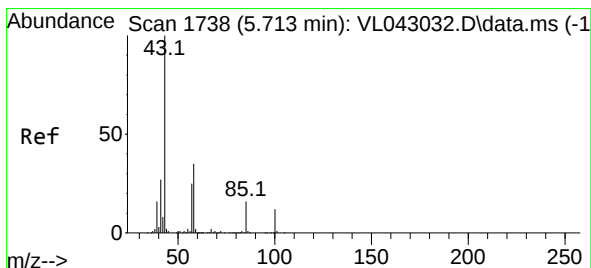
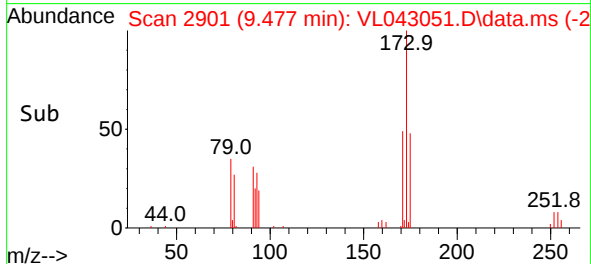
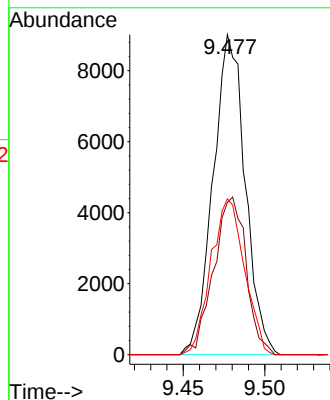
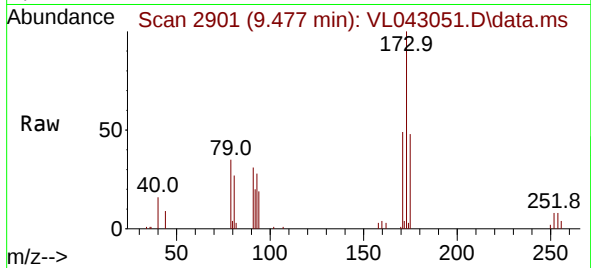




#49
Bromoform
Concen: 0.493 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

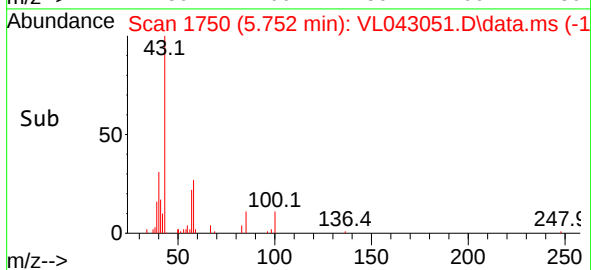
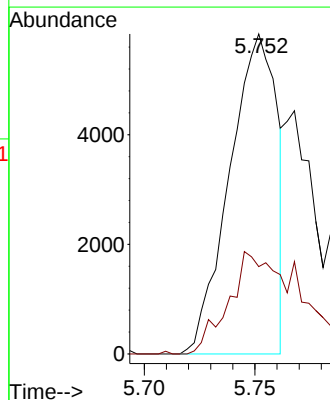
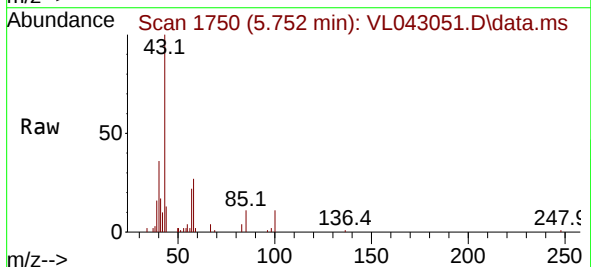
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

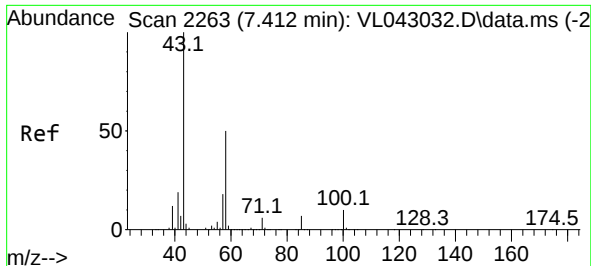
Tgt Ion:173 Resp: 12335
Ion Ratio Lower Upper
173 100
175 49.9 39.1 58.7
171 50.9 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.225 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.039 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 43 Resp: 8684
Ion Ratio Lower Upper
43 100
58 51.2 28.7 43.1#

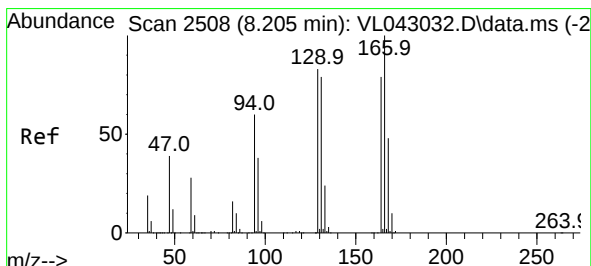
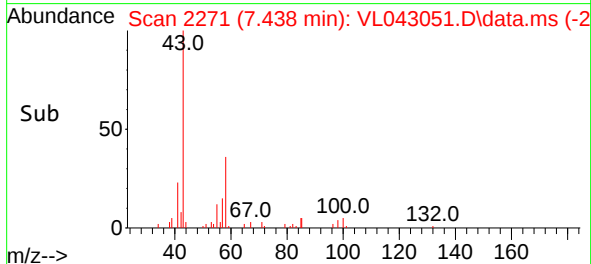
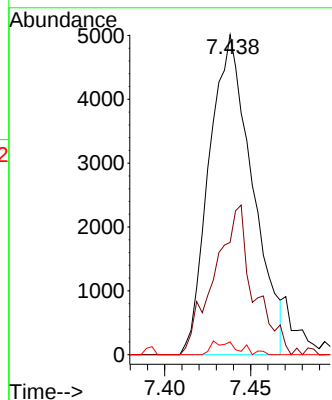
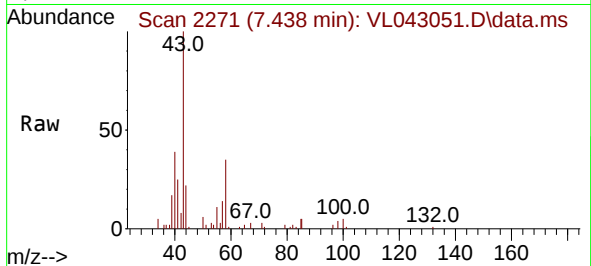




#51
2-Hexanone
Concen: 0.318 ppbv
RT: 7.438 min Scan# 2112
Delta R.T. 0.026 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

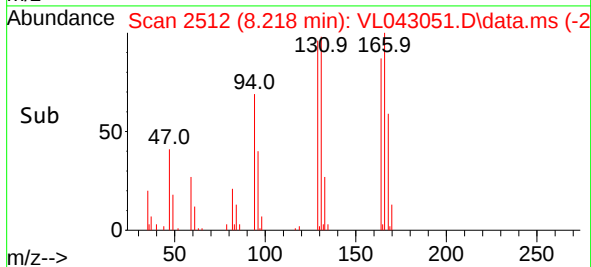
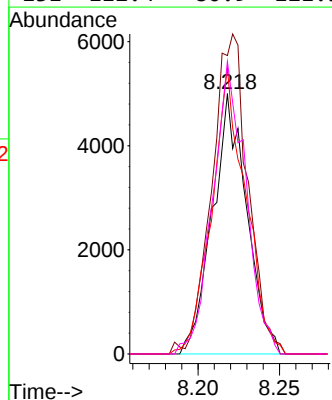
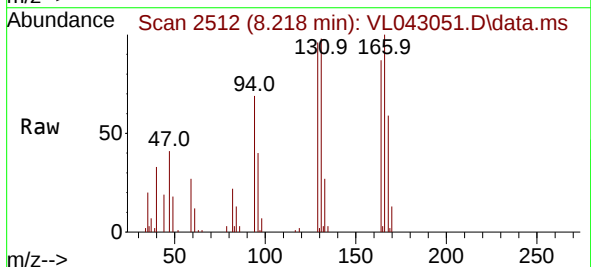
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

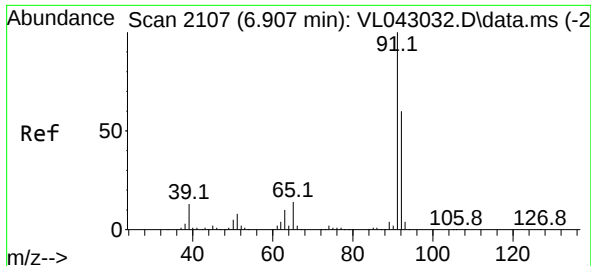
Tgt Ion: 43 Resp: 8730
Ion Ratio Lower Upper
43 100
58 43.0 39.1 58.7
98 2.6 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.443 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 164 Resp: 7295
Ion Ratio Lower Upper
164 100
166 111.9 101.8 152.8
129 108.0 84.5 126.7
131 112.4 80.9 121.3

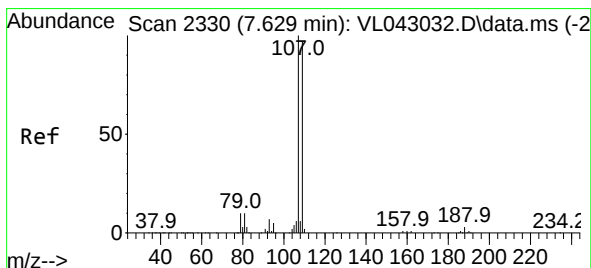
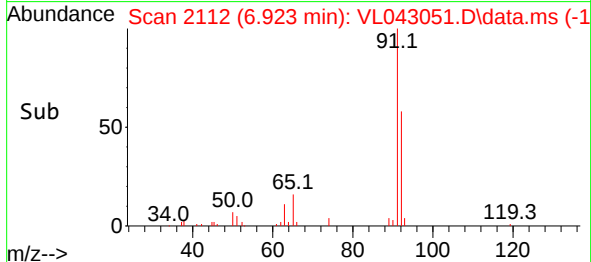
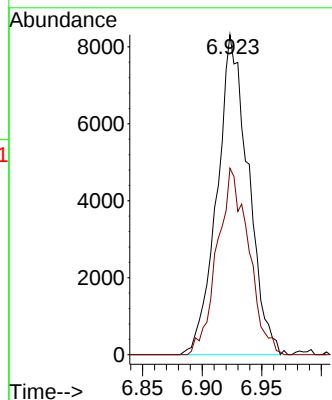
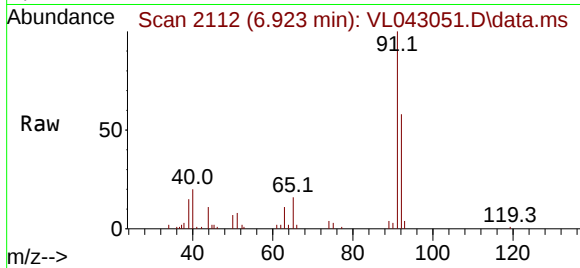




#53
Toluene
Concen: 0.338 ppbv
RT: 6.923 min Scan# 2107
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

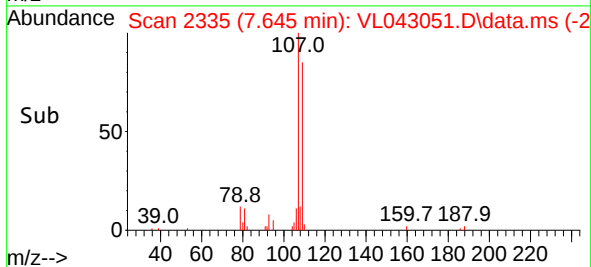
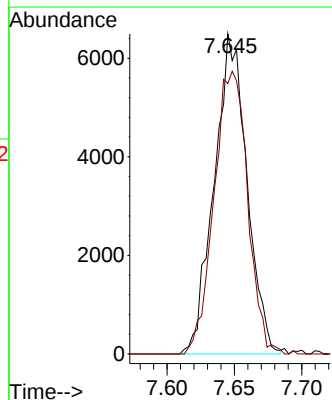
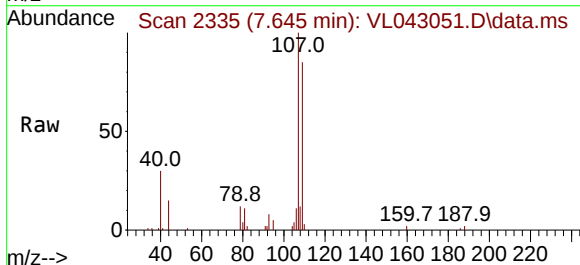
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

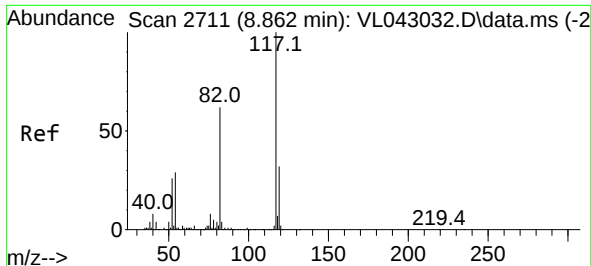
Tgt Ion: 91 Resp: 15169
Ion Ratio Lower Upper
91 100
92 58.7 47.8 71.6



#54
1,2-Dibromoethane
Concen: 0.505 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 107 Resp: 10976
Ion Ratio Lower Upper
107 100
109 84.5 77.4 116.0

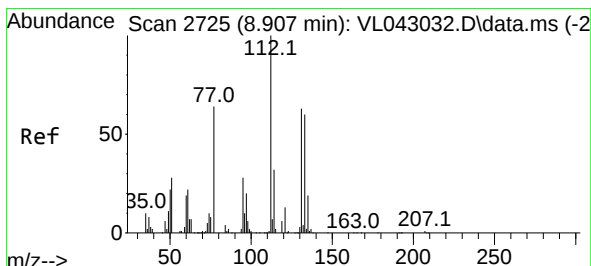
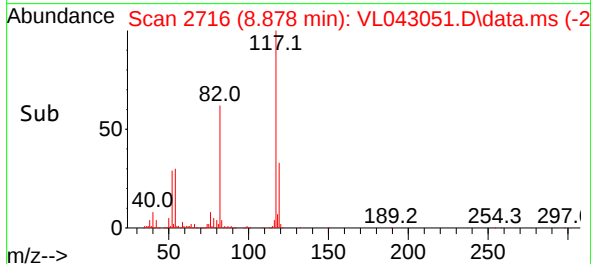
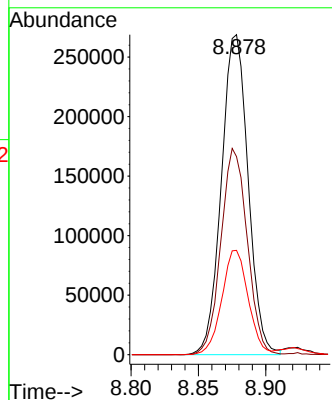
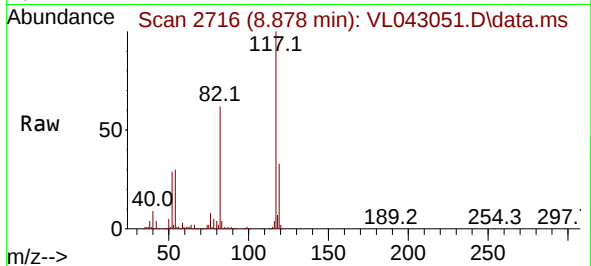




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

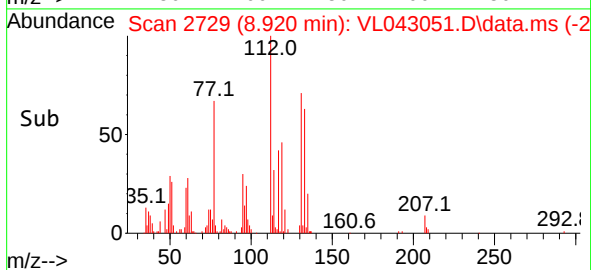
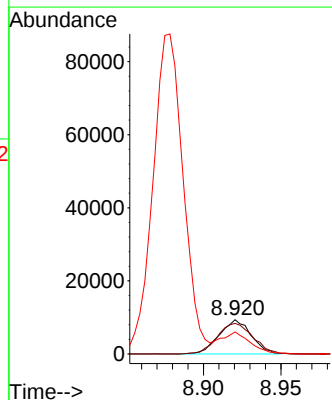
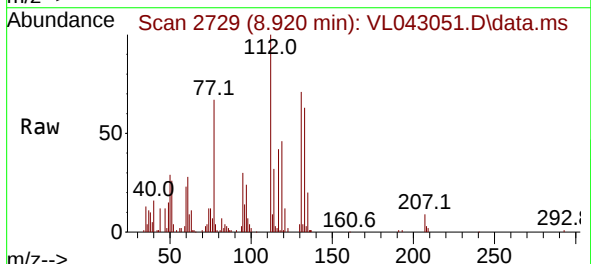
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

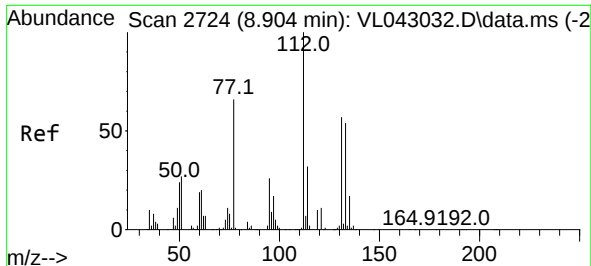
Tgt Ion:117 Resp: 371598
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 34.4 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.591 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:131 Resp: 13389
Ion Ratio Lower Upper
131 100
133 100.4 76.2 114.4
119 954.3 49.4 74.2#

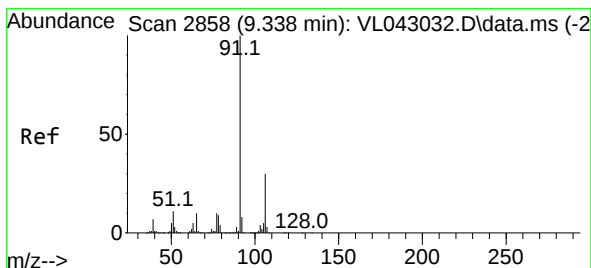
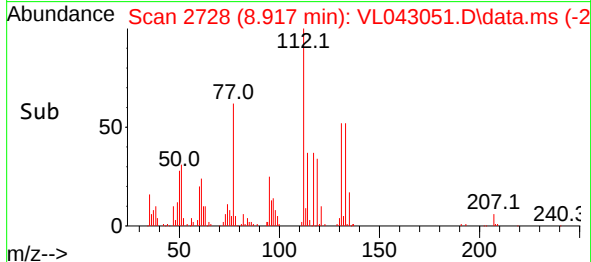
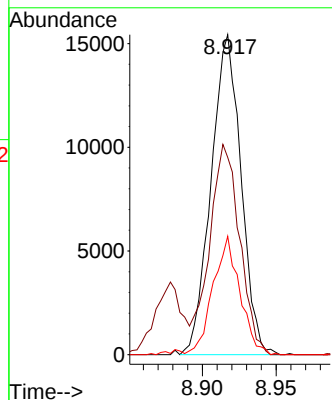
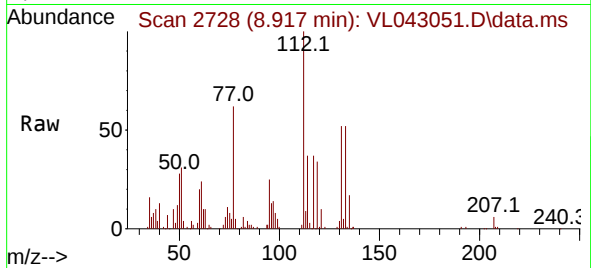




#57
Chlorobenzene
Concen: 0.554 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

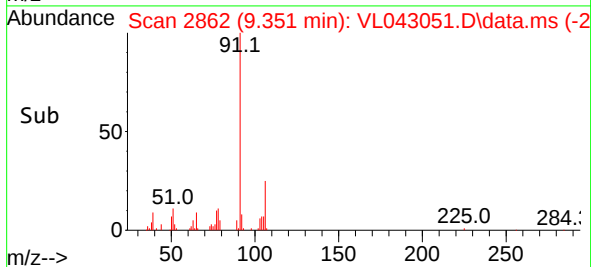
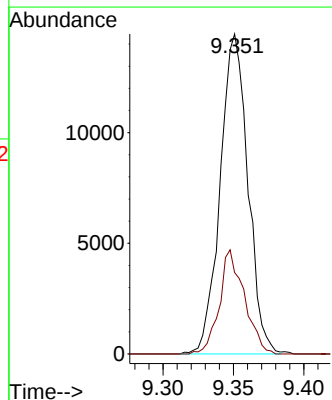
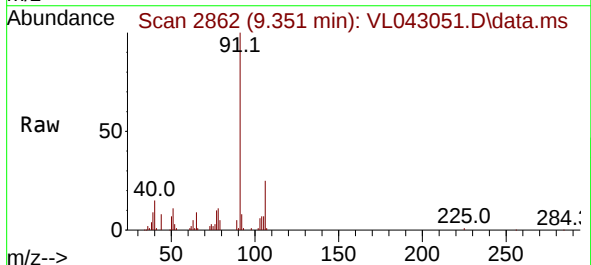
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

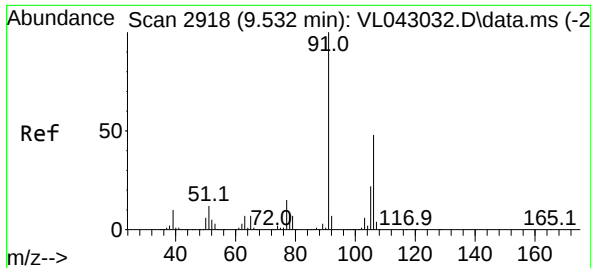
Tgt Ion:112 Resp: 21766
Ion Ratio Lower Upper
112 100
77 61.6 53.2 79.8
114 37.0 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.345 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 91 Resp: 19839
Ion Ratio Lower Upper
91 100
106 25.5 24.1 36.1

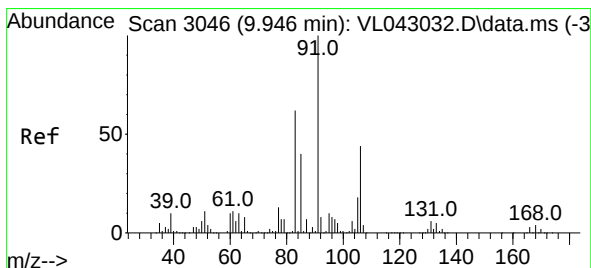
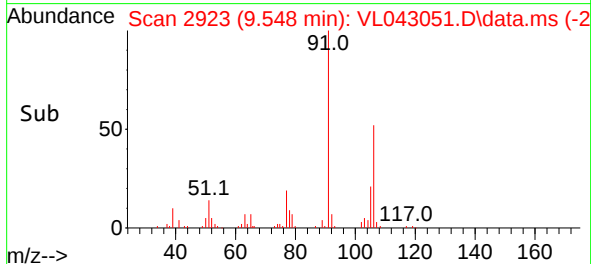
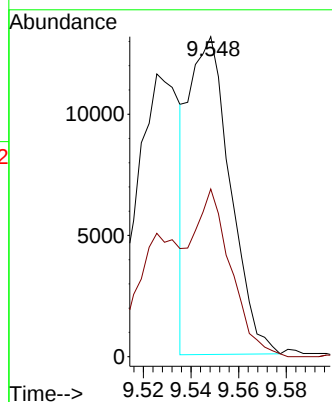
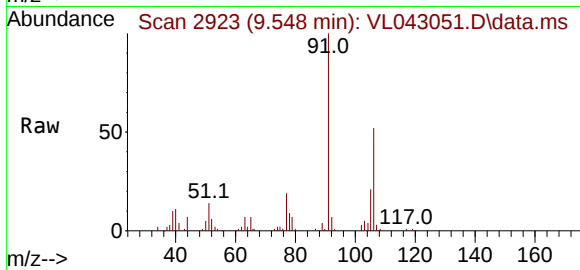




#59
m/p-Xylene
Concen: 0.326 ppbv
RT: 9.548 min Scan# 2918
Delta R.T. 0.016 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

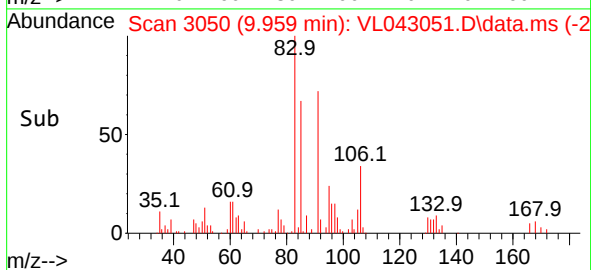
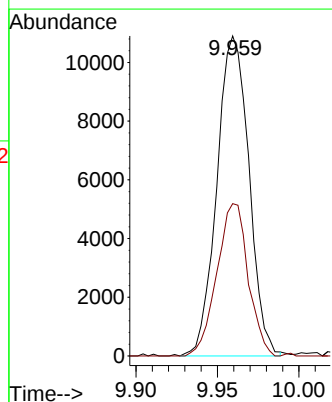
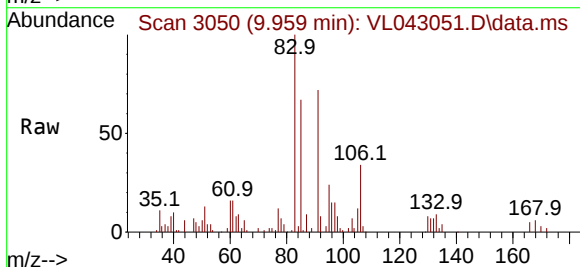
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

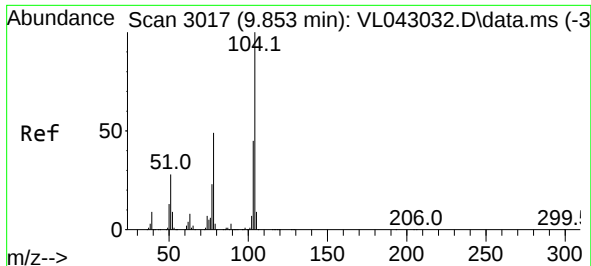
Tgt Ion: 91 Resp: 15813
Ion Ratio Lower Upper
91 100
106 89.5 37.5 56.3#



#60
o-Xylene
Concen: 0.309 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 91 Resp: 14922
Ion Ratio Lower Upper
91 100
106 46.5 21.9 65.5





#61

Styrene

Concen: 0.304 ppbv

RT: 9.869 min Scan# 3017

Delta R.T. 0.016 min

Lab File: VL043051.D

Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

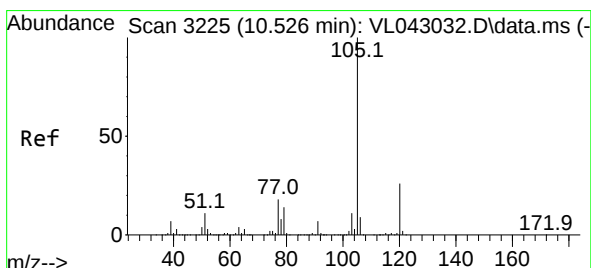
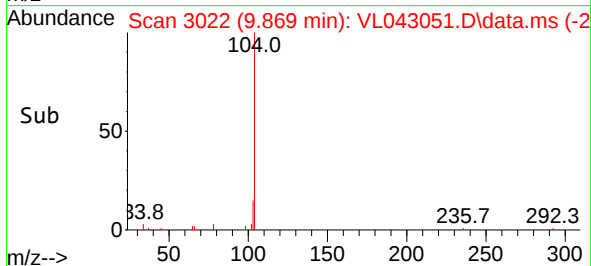
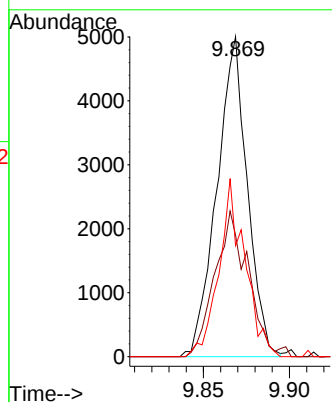
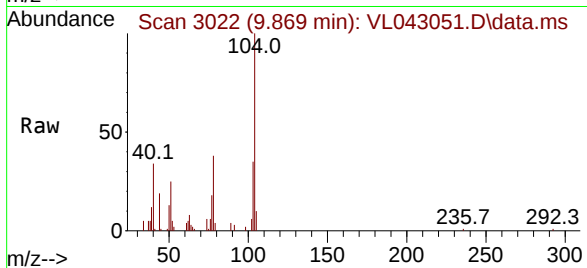
Tgt Ion:104 Resp: 6158

Ion Ratio Lower Upper

104 100

78 49.9 39.7 59.5

103 47.5 37.6 56.4



#62

Isopropylbenzene

Concen: 0.371 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.013 min

Lab File: VL043051.D

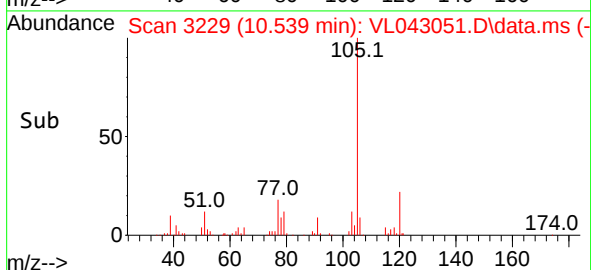
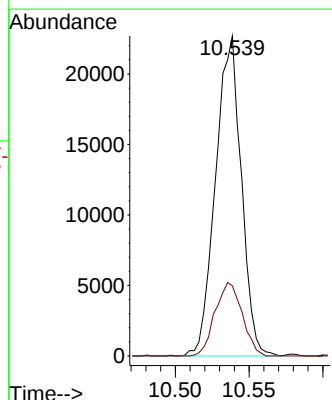
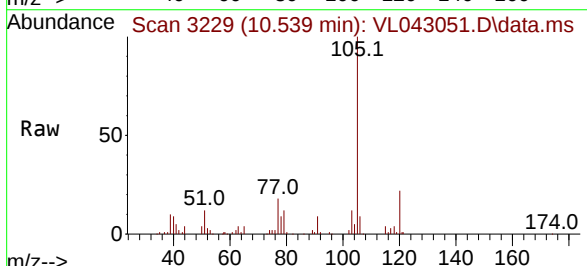
Acq: 06 Oct 2025 13:38

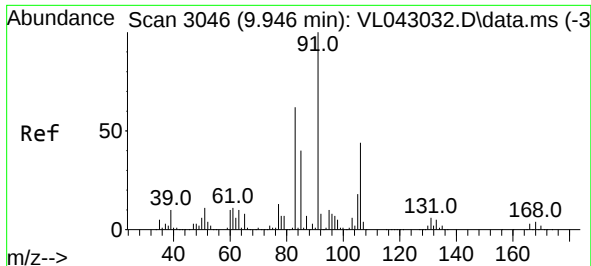
Tgt Ion:105 Resp: 27529

Ion Ratio Lower Upper

105 100

120 24.2 20.6 31.0

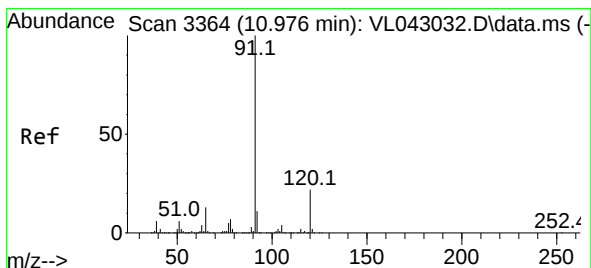
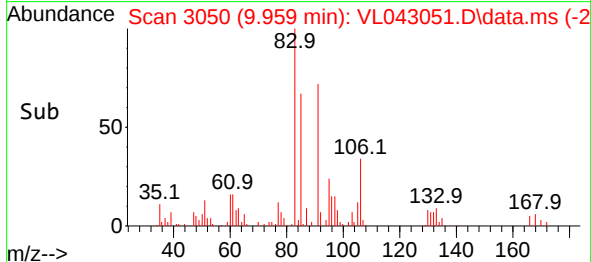
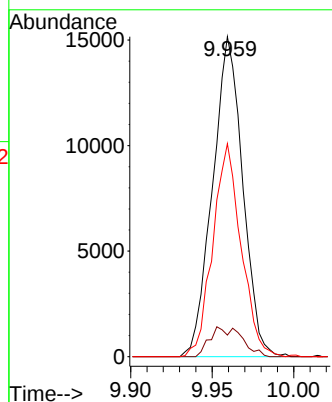
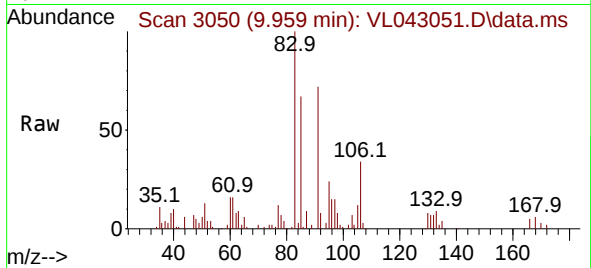




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.561 ppbv
 RT: 9.959 min Scan# 3046
 Delta R.T. 0.013 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

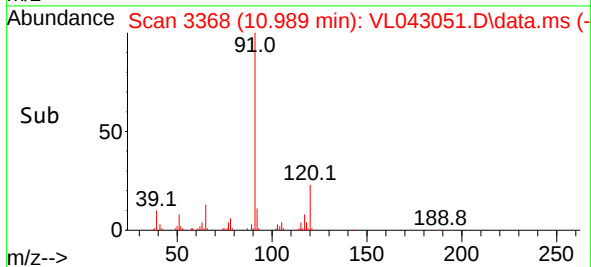
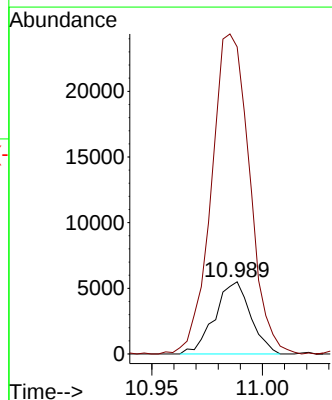
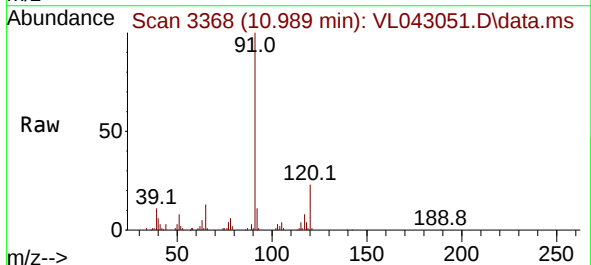
Instrument : MSVOA_L
 ClientSampleId : LOQ-AIR-02-QT3-2025

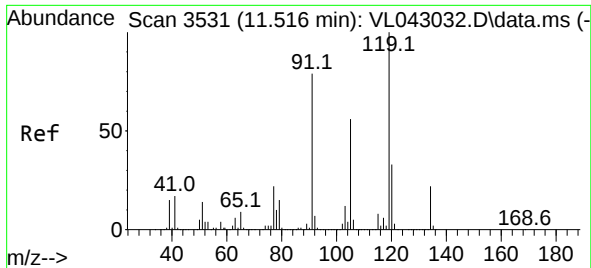
Tgt Ion: 83 Resp: 19462
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.7 14.1
 85 62.7 32.0 96.2



#64
 n-propylbenzene
 Concen: 0.325 ppbv
 RT: 10.989 min Scan# 3368
 Delta R.T. 0.013 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion: 120 Resp: 6171
 Ion Ratio Lower Upper
 120 100
 91 473.9 367.0 550.4

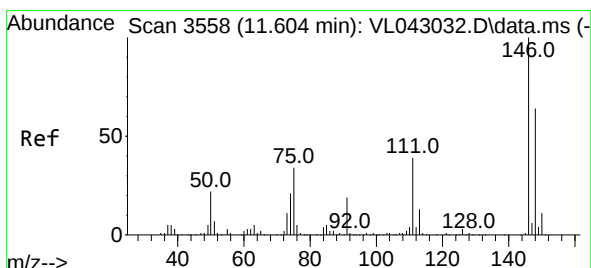
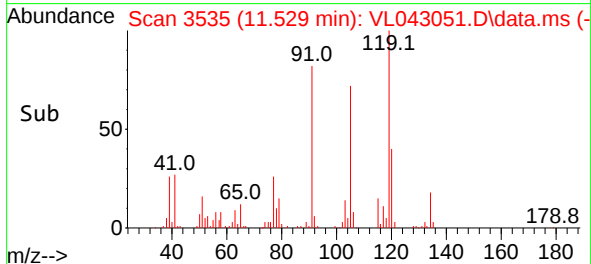
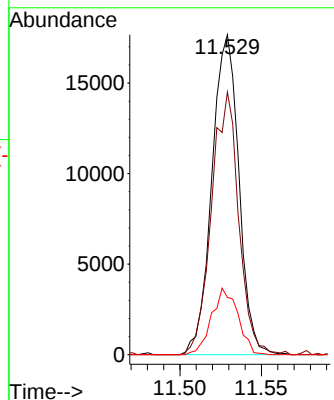
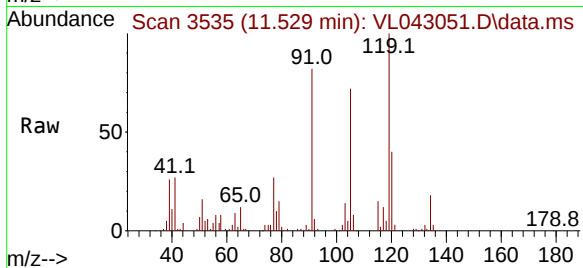




#65
tert-Butylbenzene
Concen: 0.307 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

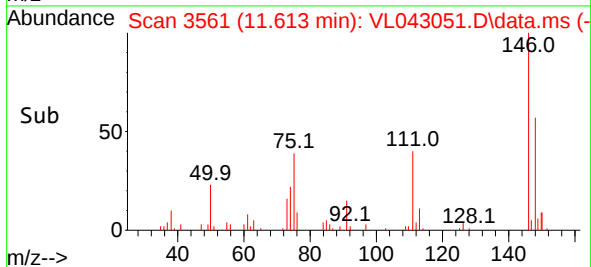
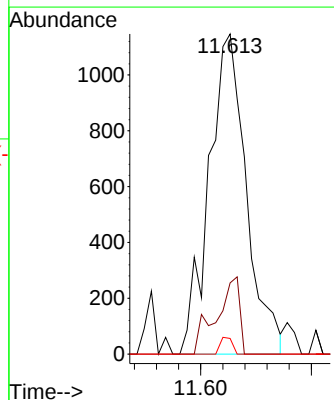
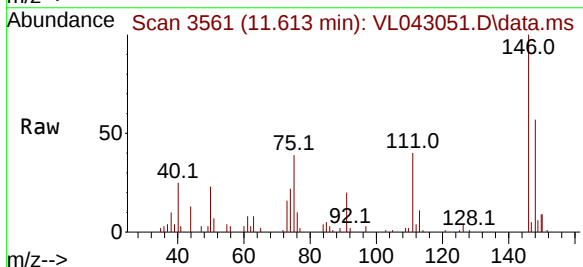
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

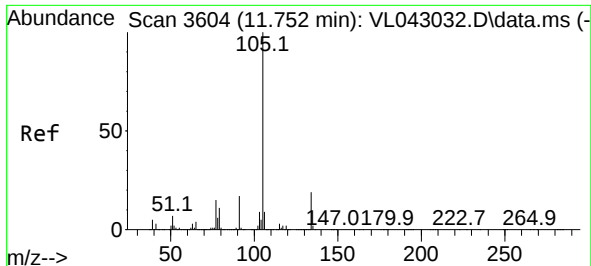
Tgt Ion:	119	Resp:	20319
Ion	Ratio	Lower	Upper
119	100		
91	82.7	63.1	94.7
134	20.3	16.9	25.3



#66
Benzyl Chloride
Concen: 0.532 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:	91	Resp:	1343
Ion	Ratio	Lower	Upper
91	100		
126	15.1	14.2	21.4
128	1.7	4.8	7.2#

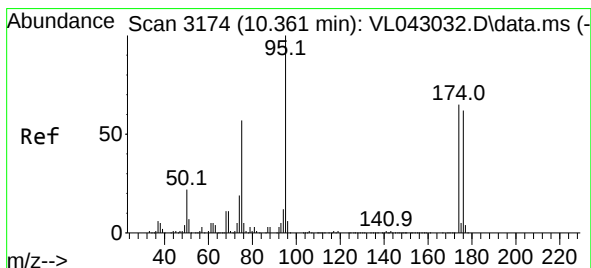
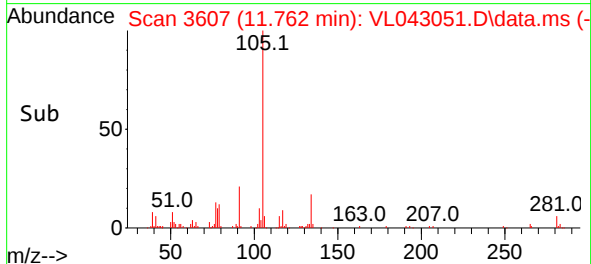
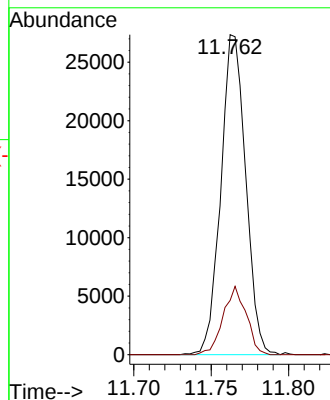
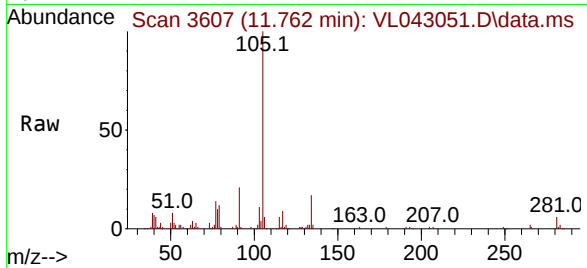




#67
 sec-Butylbenzene
 Concen: 0.331 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. 0.010 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

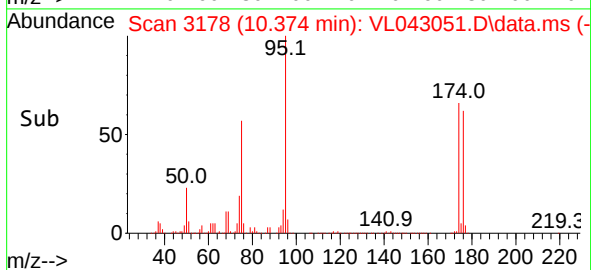
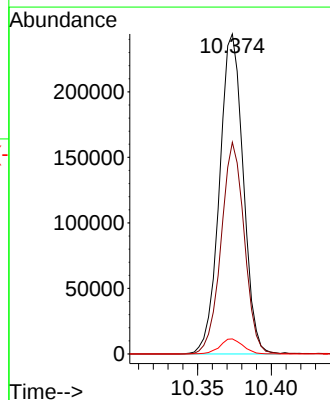
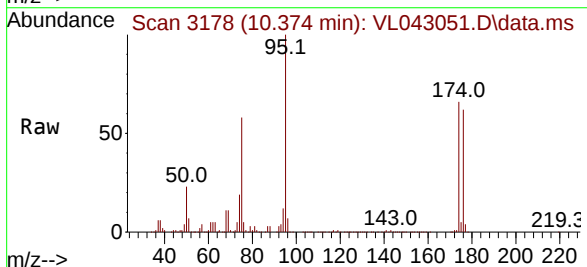
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

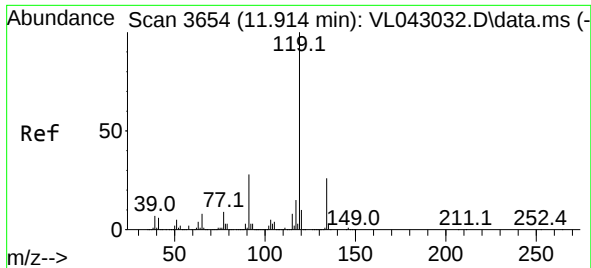
Tgt Ion:105 Resp: 30541
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.201 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.013 min
 Lab File: VL043051.D
 Acq: 06 Oct 2025 13:38

Tgt Ion: 95 Resp: 273084
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.3 78.5
 175 4.6 3.8 5.8

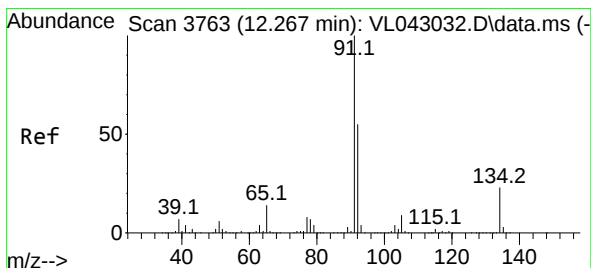
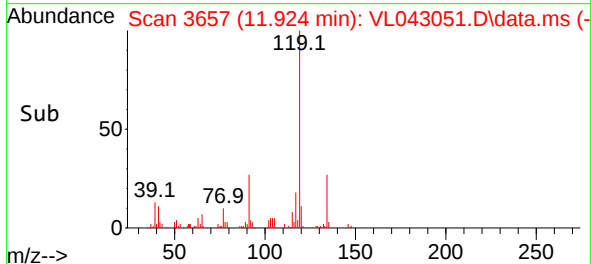
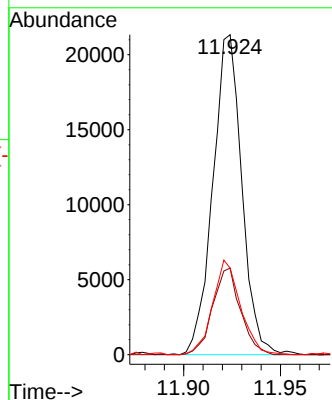
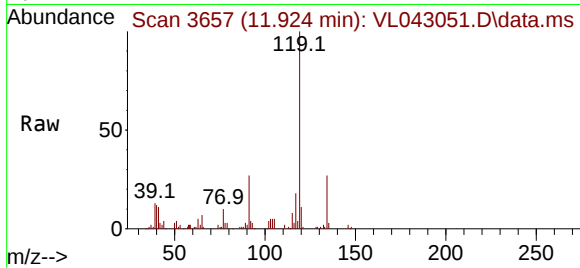




#69
p-Isopropyltoluene
Concen: 0.295 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

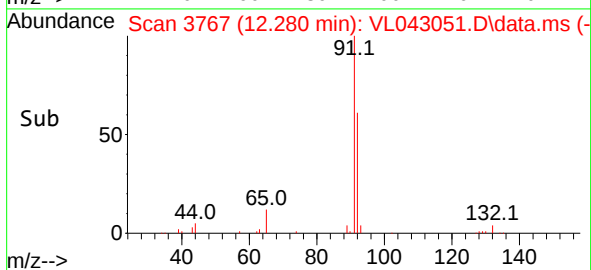
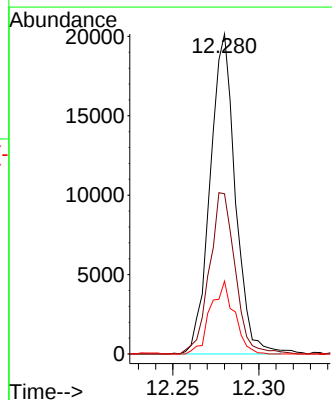
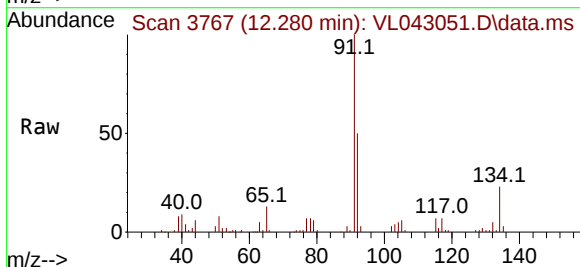
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

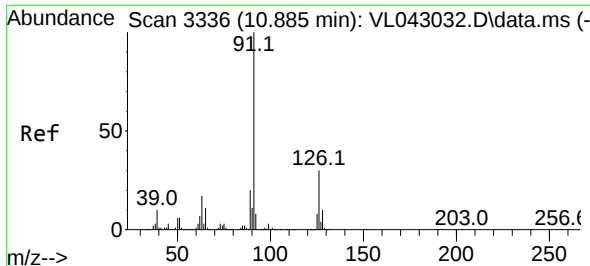
Tgt Ion:	119	Resp:	22148
Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.5	30.7
91	29.4	22.6	33.8



#70
n-Butylbenzene
Concen: 0.284 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:	91	Resp:	20532
Ion	Ratio	Lower	Upper
91	100		
92	51.6	43.9	65.9
134	21.8	18.9	28.3

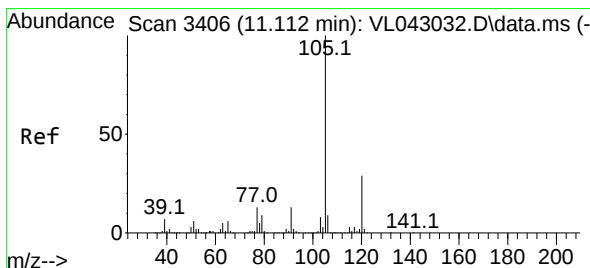
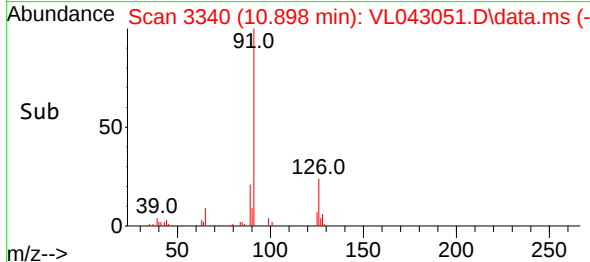
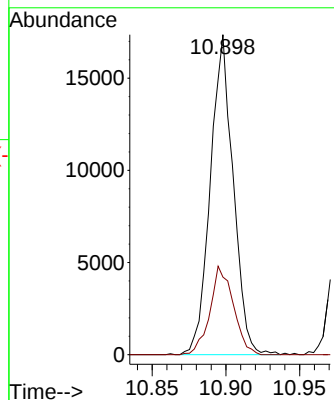
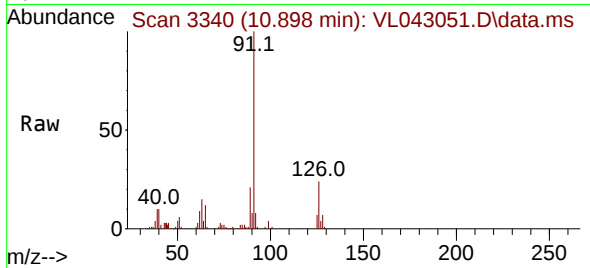




#71
2-Chlorotoluene
Concen: 0.348 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

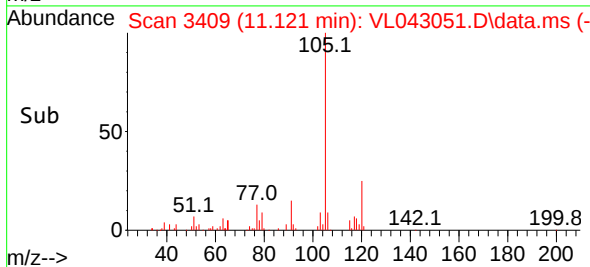
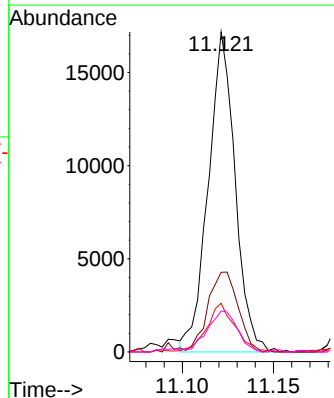
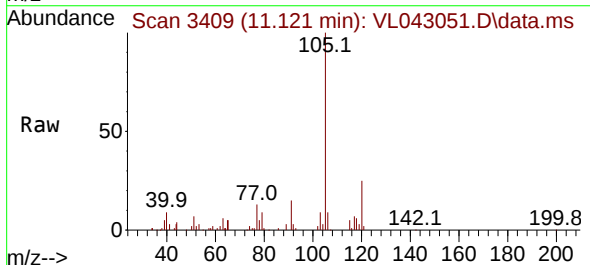
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

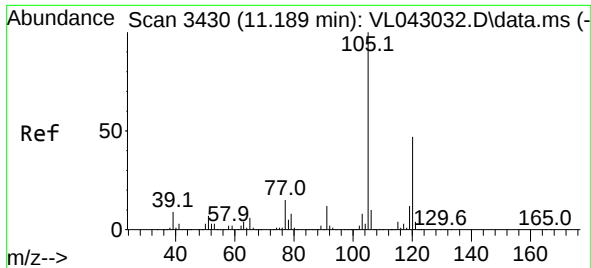
Tgt Ion: 91 Resp: 18718
Ion Ratio Lower Upper
91 100
126 28.3 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.306 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion: 105 Resp: 17619
Ion Ratio Lower Upper
105 100
120 29.2 23.5 35.3
91 15.9 10.4 15.6#
77 15.3 10.8 16.2

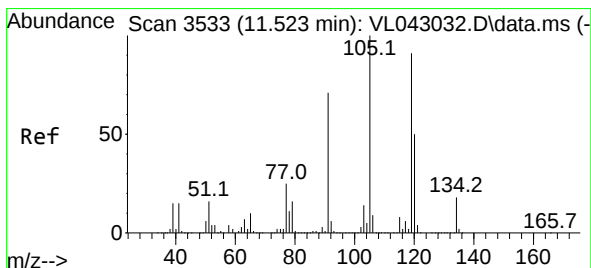
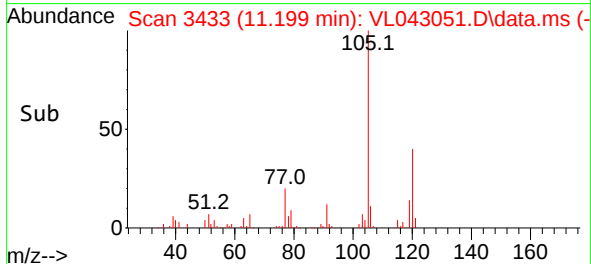
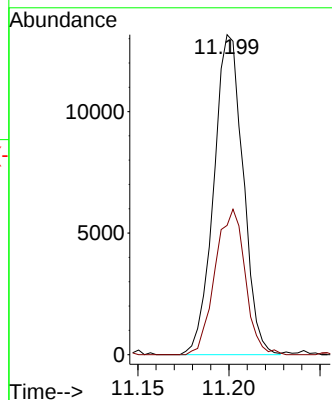
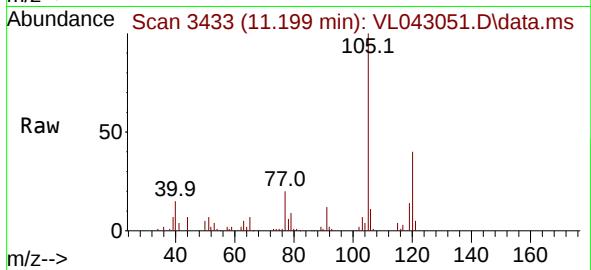




#73
1,3,5-Trimethylbenzene
Concen: 0.296 ppbv
RT: 11.199 min Scan# 3430
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

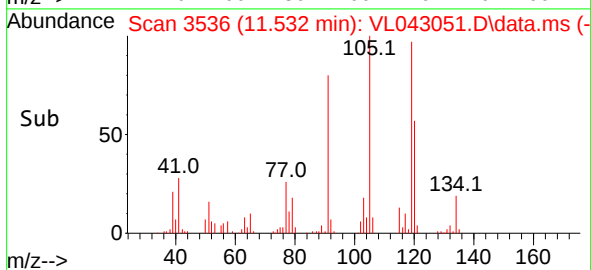
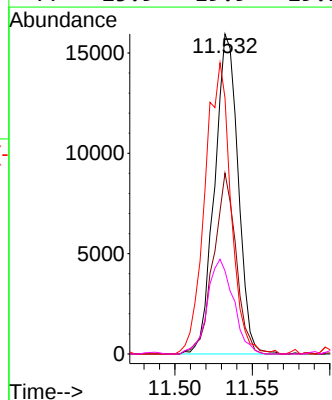
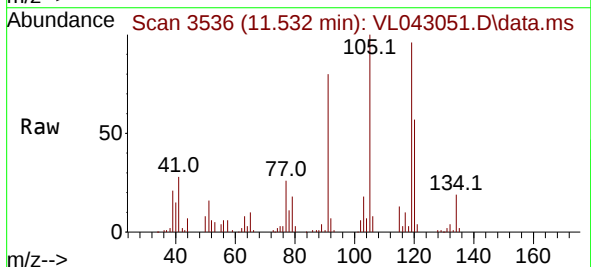
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

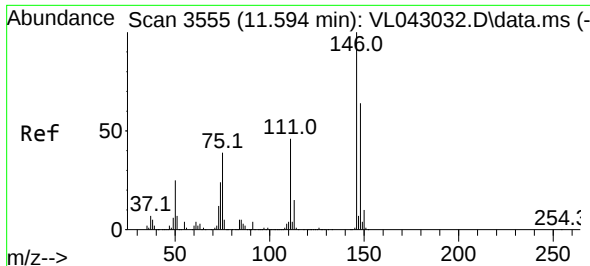
Tgt Ion:105 Resp: 14743
Ion Ratio Lower Upper
105 100
120 40.4 37.5 56.3



#74
1,2,4-Trimethylbenzene
Concen: 0.299 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:105 Resp: 16834
Ion Ratio Lower Upper
105 100
120 56.5 39.7 59.5
91 80.0 56.5 84.7
77 25.9 19.9 29.9

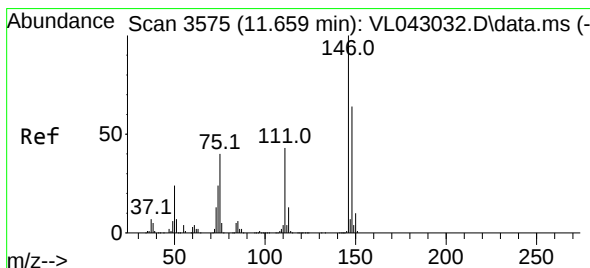
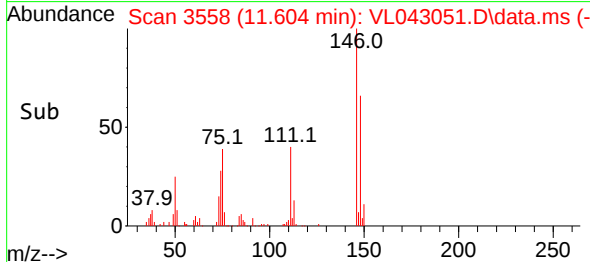
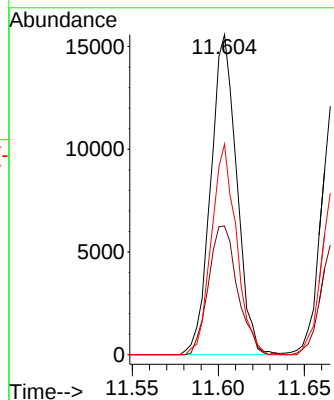
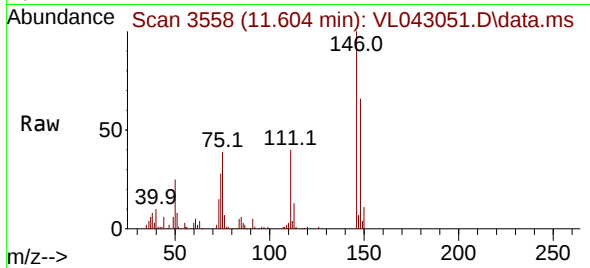




#75
1,3-Dichlorobenzene
Concen: 0.448 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

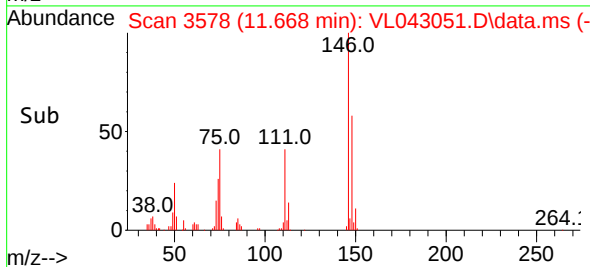
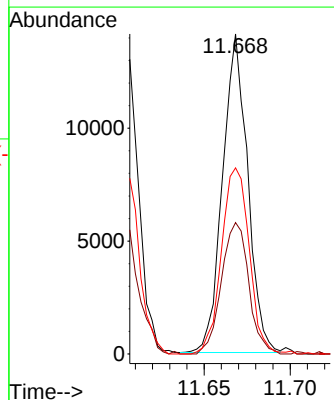
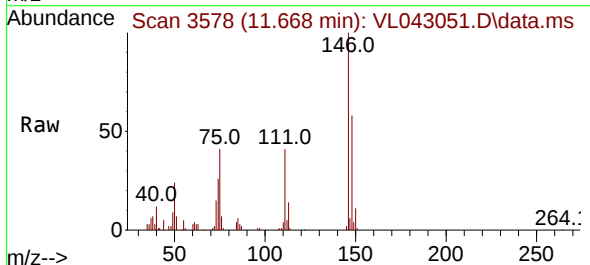
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

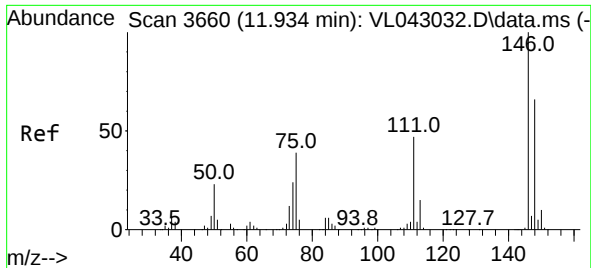
Tgt Ion:146 Resp: 16373
Ion Ratio Lower Upper
146 100
111 44.8 22.6 67.7
148 63.3 31.9 95.7



#76
1,4-Dichlorobenzene
Concen: 0.410 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:146 Resp: 14302
Ion Ratio Lower Upper
146 100
111 45.2 21.7 65.1
148 64.9 32.1 96.3

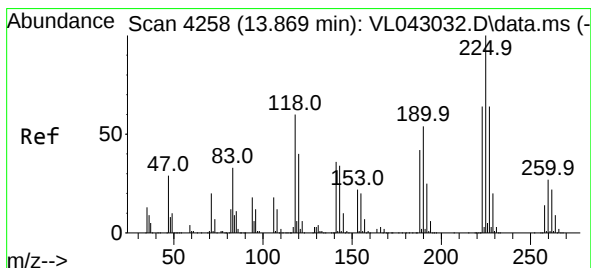
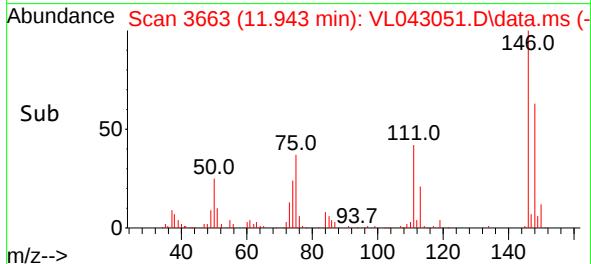
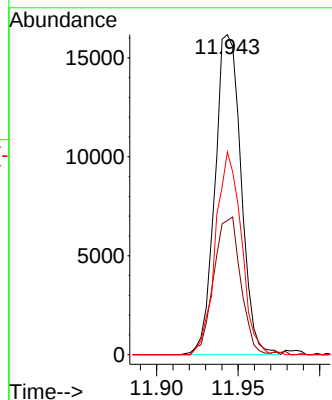
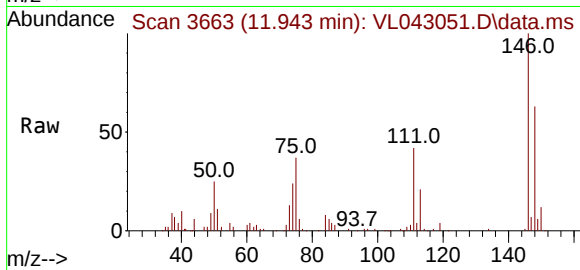




#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

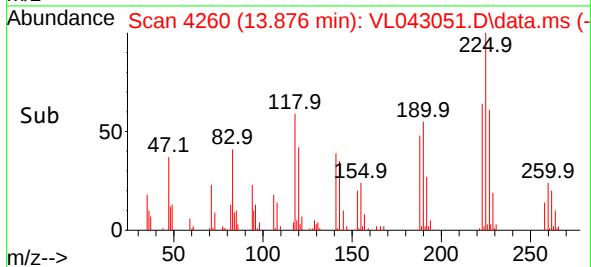
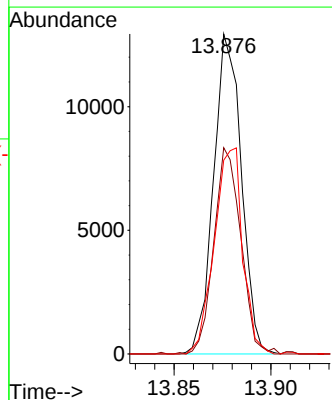
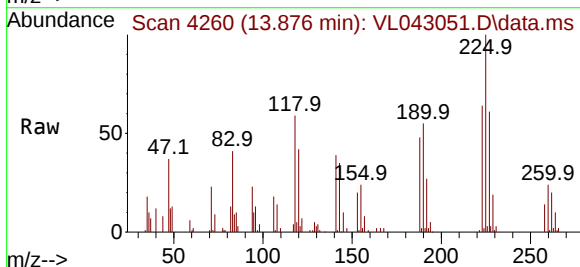
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

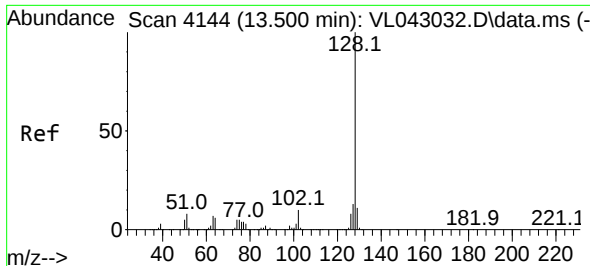
Tgt Ion:146 Resp: 17997
Ion Ratio Lower Upper
146 100
111 44.9 23.2 69.5
148 62.7 31.9 95.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.508 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.006 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:225 Resp: 12898
Ion Ratio Lower Upper
225 100
223 62.6 50.9 76.3
227 65.8 50.9 76.3

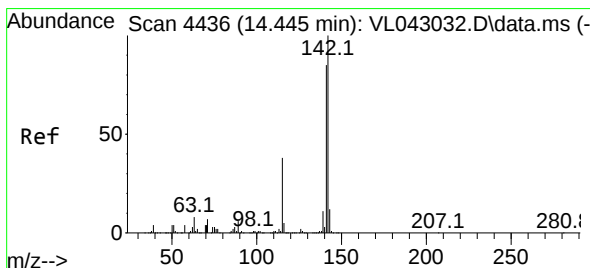
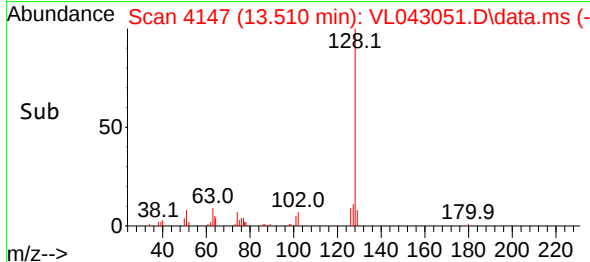
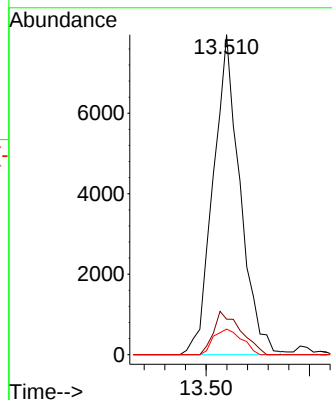
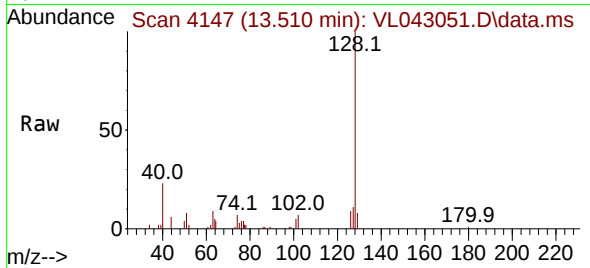




#79
Naphthalene
Concen: 0.214 ppbv
RT: 13.510 min Scan# 4144
Delta R.T. 0.010 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

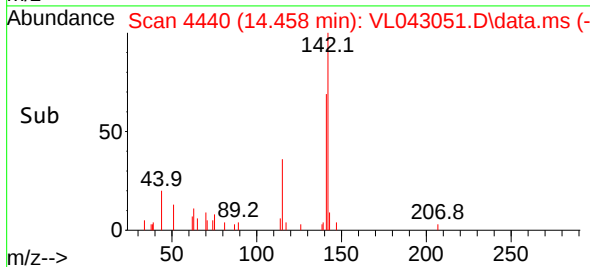
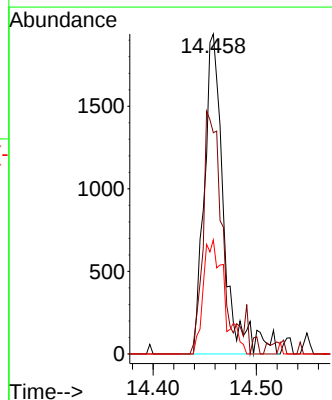
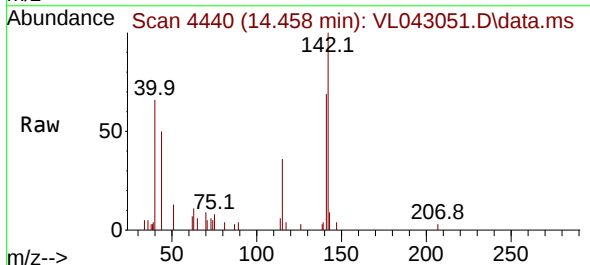
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

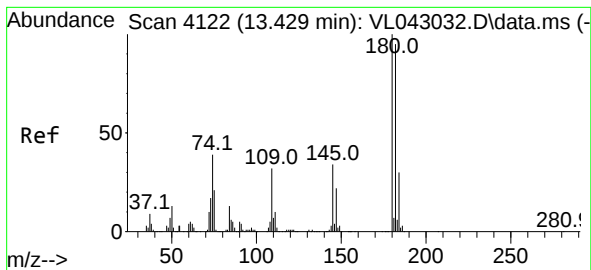
Tgt Ion:128 Resp: 7188
Ion Ratio Lower Upper
128 100
127 11.1 10.6 16.0
129 8.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.150 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.013 min
Lab File: VL043051.D
Acq: 06 Oct 2025 13:38

Tgt Ion:142 Resp: 2547
Ion Ratio Lower Upper
142 100
141 76.7 66.6 100.0
115 38.2 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 0.231 ppbv

RT: 13.435 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043051.D

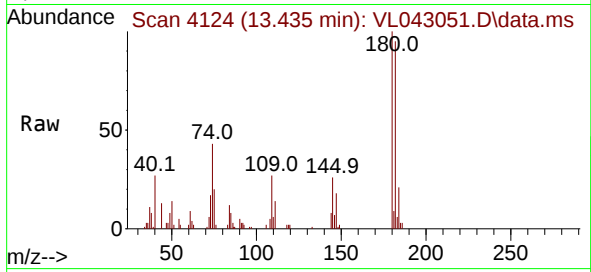
Acq: 06 Oct 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion:180 Resp: 5012

Ion Ratio Lower Upper

180 100

182 103.2 76.9 115.3

184 29.2 23.9 35.9

