

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043129.D
 Acq On : 16 Oct 2025 13:49
 Operator : SY/MD
 Sample : Q2893-14 0.5 PPB
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 17 01:28:39 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	2.794	49	86521	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	276491	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	234499	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	192699	10.572	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8563	0.696	ppbv	97
3) Chlorodifluoromethane	1.480	51	7465	0.561	ppbv #	91
4) Chloromethane	1.538	50	2855	0.586	ppbv	98
5) Vinyl Chloride	1.583	62	2909	0.609	ppbv	96
6) Bromomethane	1.674	94	1752	0.668	ppbv	92
7) Chloroethane	1.709	64	1328	0.680	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	6670	0.671	ppbv	99
9) Propene	1.486	41	2708	0.459	ppbv	90
10) Heptane	4.995	43	4627	0.272	ppbv #	27
11) Trichlorofluoromethane	1.881	101	8786	0.730	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	6884	0.711	ppbv	91
13) Ethanol	1.726	45	1704	0.780	ppbv	93
14) Bromoethene	1.787	108	2465	0.685	ppbv #	93
15) Acetone	1.842	43	9449	0.810	ppbv	99
16) 1,3-Butadiene	1.612	39	3797	0.683	ppbv	85
17) tert-Butyl alcohol	2.046	59	10380	0.648	ppbv #	93
18) 1,1-Dichloroethene	2.040	96	2874	0.681	ppbv	92
19) Isopropyl Alcohol	1.891	45	5259	0.724	ppbv #	36
20) Methylene Chloride	2.066	84	3796	0.823	ppbv	95
21) Allyl Chloride	2.101	41	5599	0.652	ppbv #	91
22) trans-1,2-Dichloroethene	2.347	96	3529	0.699	ppbv	84
23) Vinyl Acetate	2.470	43	9091	0.532	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	6604	0.677	ppbv	96
25) Ethyl Acetate	2.846	43	14766	0.511	ppbv	100
26) Hexane	2.836	57	6063	0.455	ppbv	84
27) Carbon Disulfide	2.156	76	7952	0.651	ppbv #	12
28) Methyl tert-Butyl Ether	2.447	73	4728	0.780	ppbv	97
29) Chloroform	2.855	83	11940	0.618	ppbv	91
30) Cyclohexane	3.868	84	5874	0.505	ppbv	91
31) cis-1,2-Dichloroethene	2.726	61	7249	0.570	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	12264	0.610	ppbv	98
34) 2-Butanone	2.564	43	10195	0.549	ppbv	96
35) Carbon Tetrachloride	3.774	117	12559	0.632	ppbv	98
36) Benzene	3.664	78	13796	0.530	ppbv	95
37) 1,2-Dichloroethane	3.227	62	9513	0.634	ppbv	98
38) Trichloroethene	4.564	130	4882	0.449	ppbv	89
39) 1,2-Dichloropropane	4.321	63	5358	0.563	ppbv #	84
40) 1,4-Dioxane	4.606	88	1211	0.284	ppbv #	21
41) Tetrahydrofuran	3.066	42	4466	0.430	ppbv	92
42) Bromodichloromethane	4.499	83	12247	0.590	ppbv #	93
43) Methyl Methacrylate	4.894	69	6042	0.457	ppbv	93
44) 2,2,4-Trimethylpentane	4.652	57	20773	0.473	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	3365	0.254	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

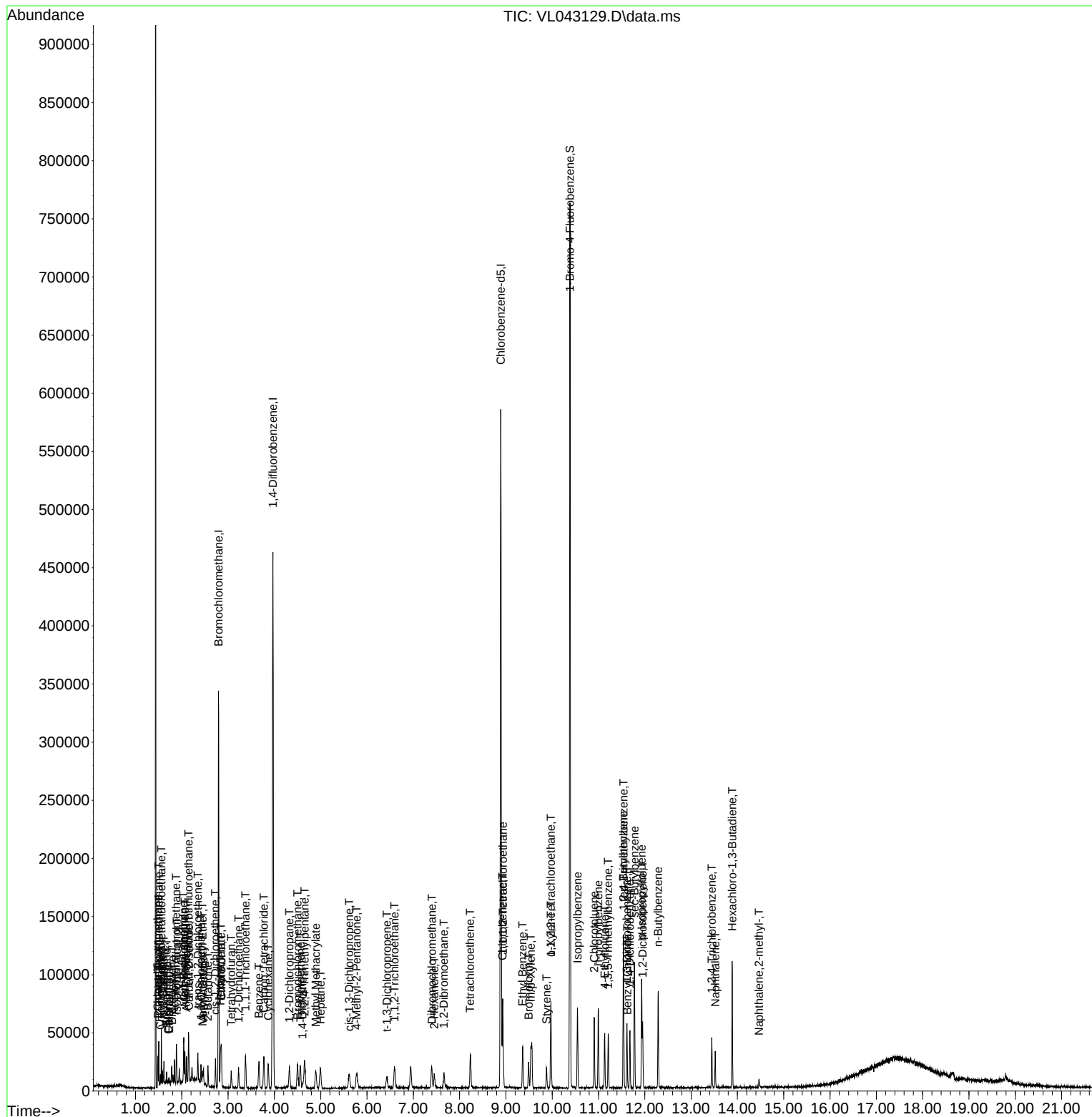
Quant Time: Oct 17 01:28:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

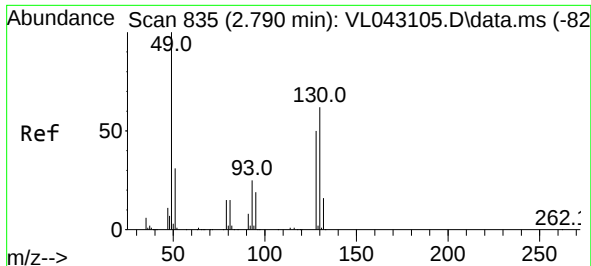
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.613	75	2294	0.145	ppbv	#	56
47) 1,1,2-Trichloroethane	6.594	97	3372	0.328	ppbv		96
48) Dibromochloromethane	7.403	129	4561	0.265	ppbv	#	10
49) Bromoform	9.494	173	7207	0.516	ppbv		97
50) 4-Methyl-2-Pentanone	5.775	43	8876	0.346	ppbv	#	85
51) 2-Hexanone	7.451	43	7704	0.400	ppbv	#	95
52) Tetrachloroethene	8.228	164	2574	0.274	ppbv	#	86
54) 1,2-Dibromoethane	7.662	107	8280	0.514	ppbv		88
56) 1,1,1,2-Tetrachloroethane	8.934	131	8771	0.593	ppbv	#	1
57) Chlorobenzene	8.927	112	13025	0.594	ppbv		97
58) Ethyl Benzene	9.358	91	19790	0.492	ppbv		92
59) m/p-Xylene	9.539	91	11565	0.360	ppbv	#	29
60) o-Xylene	9.973	91	16236	0.512	ppbv		98
61) Styrene	9.879	104	6135	0.429	ppbv		98
62) Isopropylbenzene	10.546	105	30024	0.524	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.973	83	12033	0.567	ppbv		99
64) n-propylbenzene	10.999	120	7706	0.508	ppbv		92
65) tert-Butylbenzene	11.536	119	26966	0.533	ppbv		96
66) Benzyl Chloride	11.623	91	1953	0.347	ppbv		98
67) sec-Butylbenzene	11.775	105	39165	0.545	ppbv		97
69) p-Isopropyltoluene	11.934	119	31693	0.519	ppbv		98
70) n-Butylbenzene	12.290	91	29488	0.490	ppbv		98
71) 2-Chlorotoluene	10.908	91	22193	0.508	ppbv		99
72) 4-Ethyltoluene	11.135	105	19639	0.504	ppbv	#	97
73) 1,3,5-Trimethylbenzene	11.209	105	16421	0.511	ppbv		96
74) 1,2,4-Trimethylbenzene	11.542	105	20091	0.558	ppbv		97
75) 1,3-Dichlorobenzene	11.610	146	12829	0.615	ppbv		96
76) 1,4-Dichlorobenzene	11.678	146	11708	0.556	ppbv		98
77) 1,2-Dichlorobenzene	11.953	146	12055	0.597	ppbv		98
78) Hexachloro-1,3-Butadiene	13.889	225	9193	0.588	ppbv		93
79) Naphthalene	13.520	128	14690	0.391	ppbv		97
80) Naphthalene,2-methyl-	14.468	142	2620	0.267	ppbv		98
81) 1,2,4-Trichlorobenzene	13.446	180	6487	0.416	ppbv		98

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

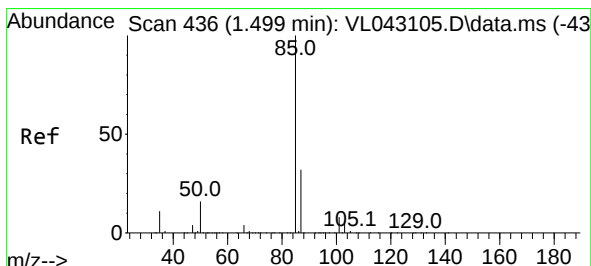
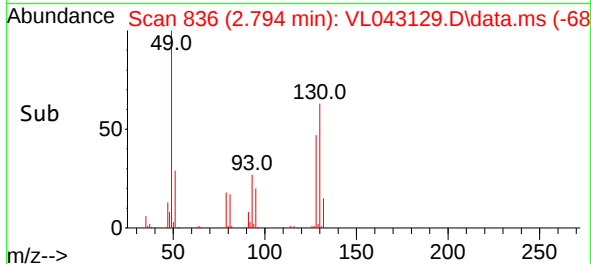
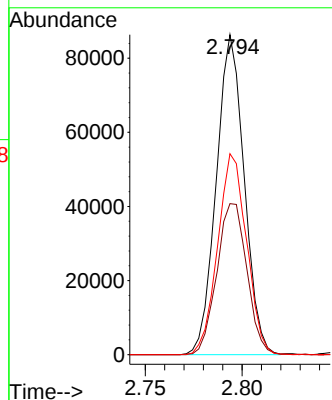
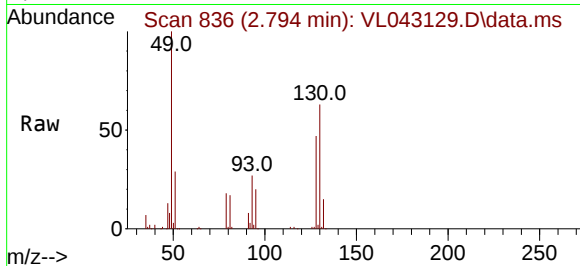




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

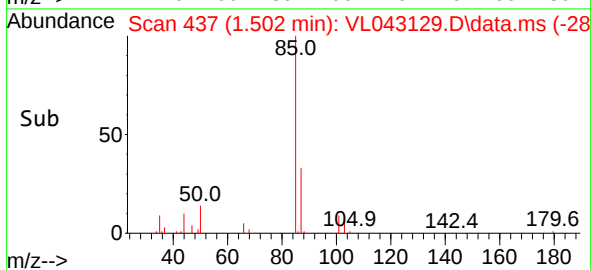
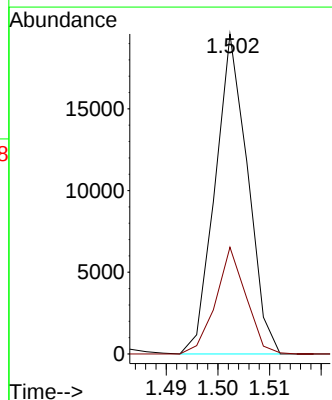
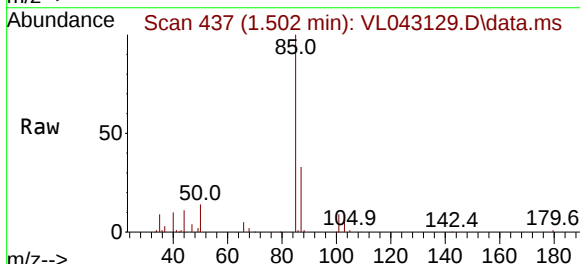
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MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

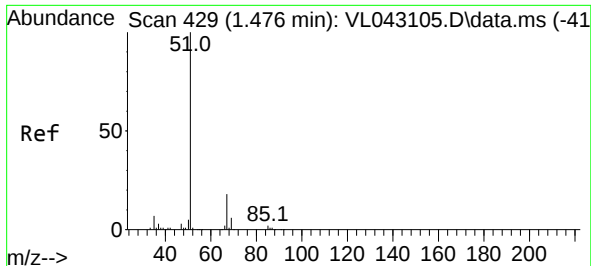
Tgt Ion: 49 Resp: 86521
Ion Ratio Lower Upper
49 100
128 50.9 24.4 73.4
130 65.1 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.696 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 85 Resp: 8563
Ion Ratio Lower Upper
85 100
87 33.4 25.3 37.9

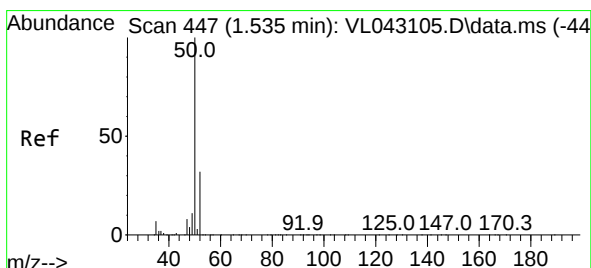
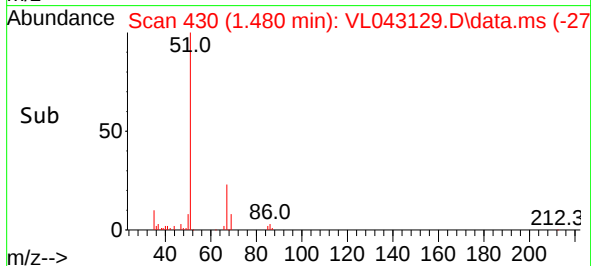
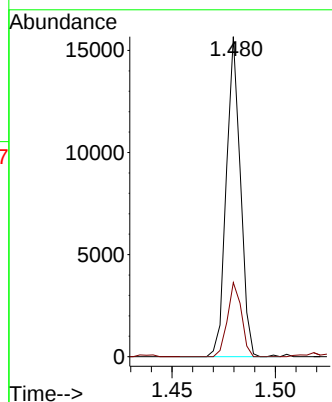
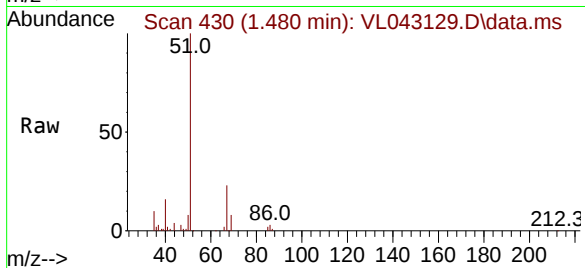




#3
Chlorodifluoromethane
Concen: 0.561 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

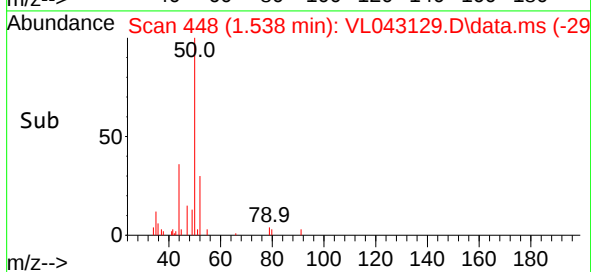
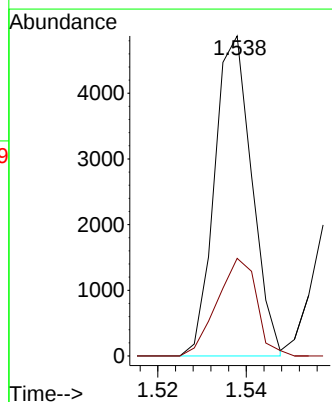
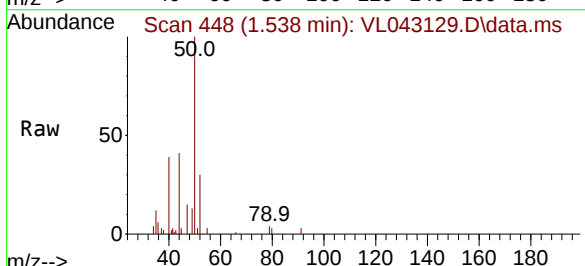
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT3-2025

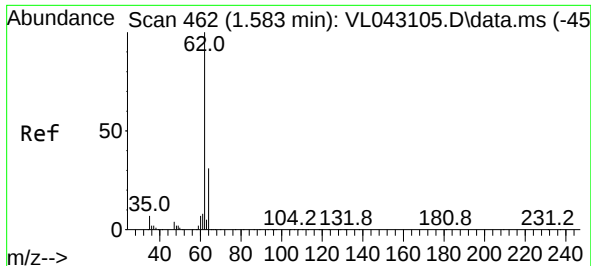
Tgt Ion: 51 Resp: 7465
Ion Ratio Lower Upper
51 100
67 22.8 15.1 22.7#



#4
Chloromethane
Concen: 0.586 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 50 Resp: 2855
Ion Ratio Lower Upper
50 100
52 30.5 25.2 37.8

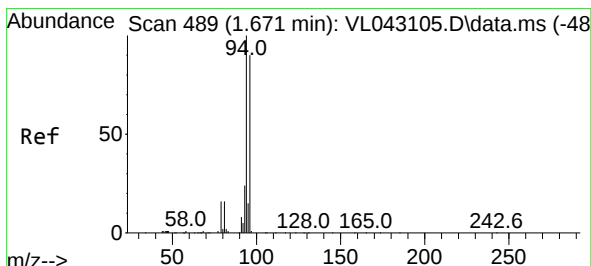
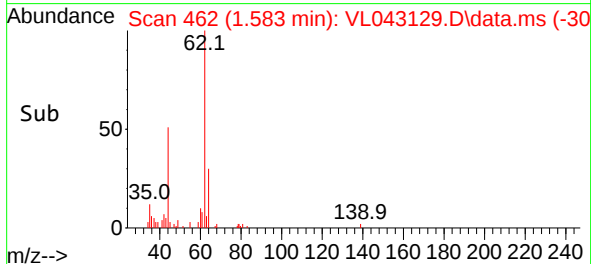
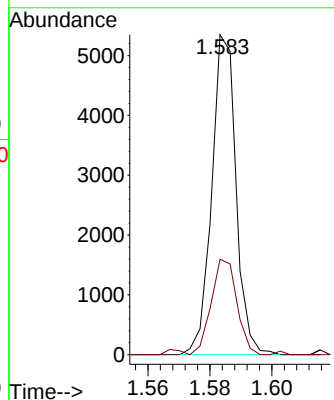
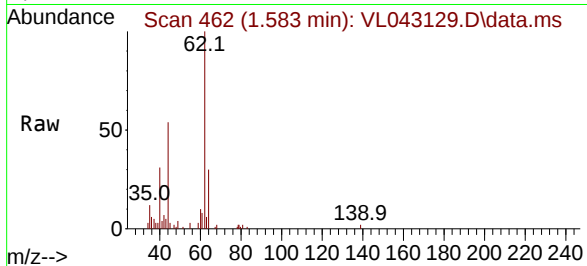




#5
 Vinyl Chloride
 Concen: 0.609 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

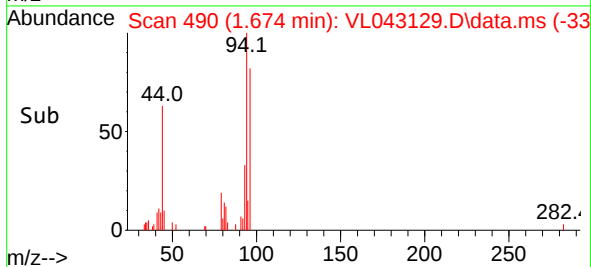
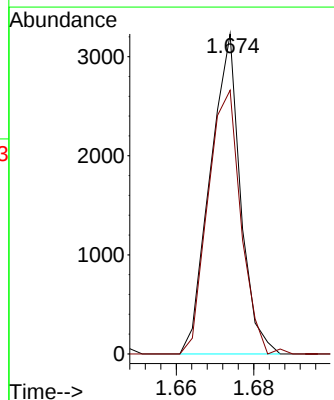
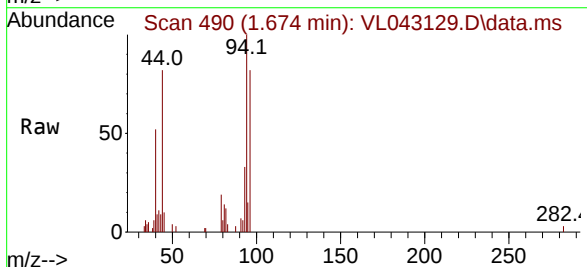
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT3-2025

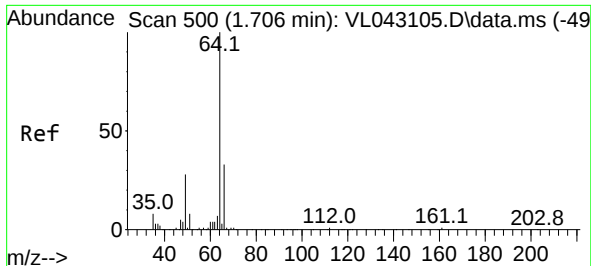
Tgt Ion: 62 Resp: 2909
 Ion Ratio Lower Upper
 62 100
 64 28.7 24.6 36.8



#6
 Bromomethane
 Concen: 0.668 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion: 94 Resp: 1752
 Ion Ratio Lower Upper
 94 100
 96 82.4 72.2 108.4

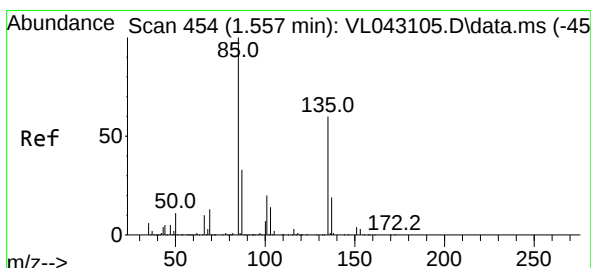
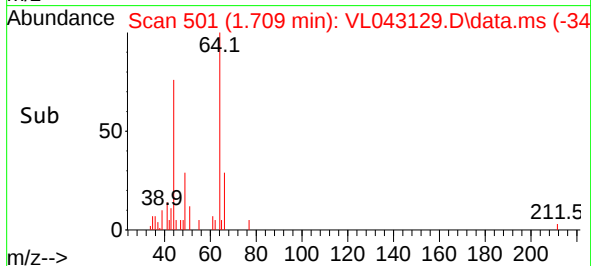
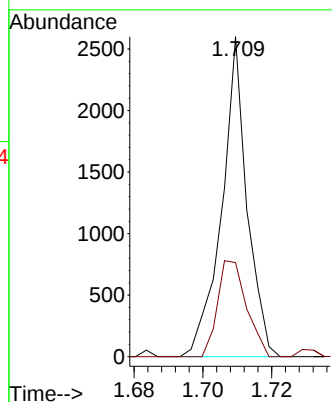
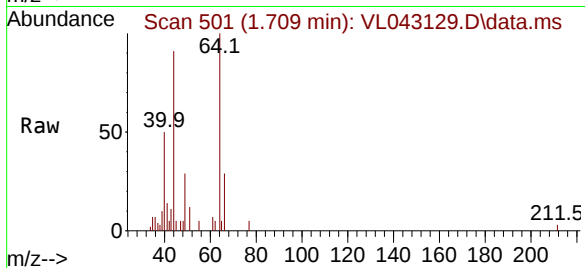




#7
Chloroethane
Concen: 0.680 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

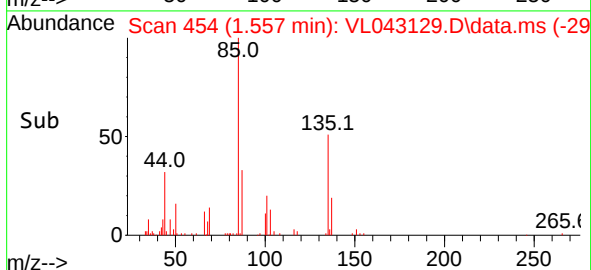
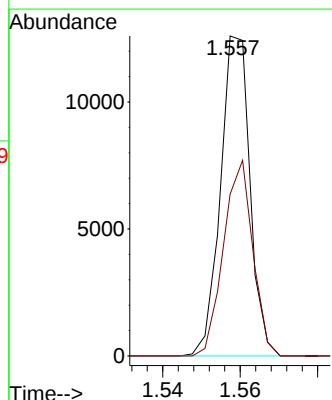
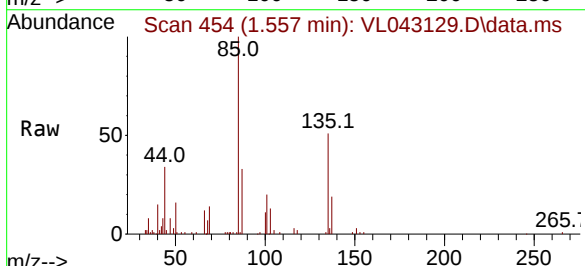
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MSVOA_L
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LOQ-AIR-02-QT3-2025

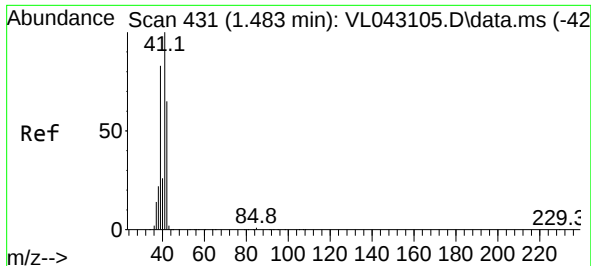
Tgt Ion: 64 Resp: 1328
Ion Ratio Lower Upper
64 100
66 29.4 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 0.671 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 85 Resp: 6670
Ion Ratio Lower Upper
85 100
135 60.7 48.2 72.4





#9

Propene

Concen: 0.459 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

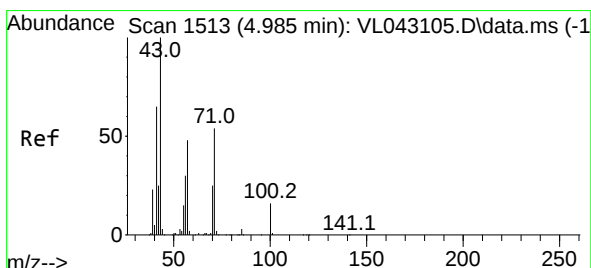
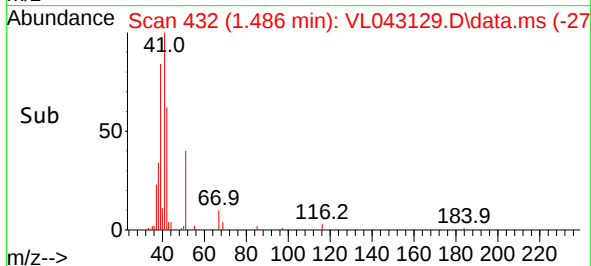
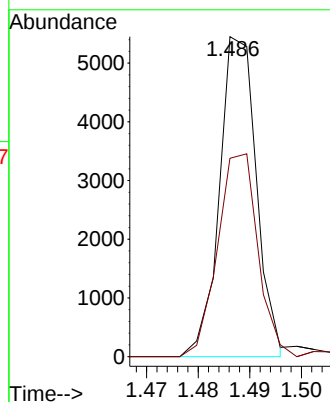
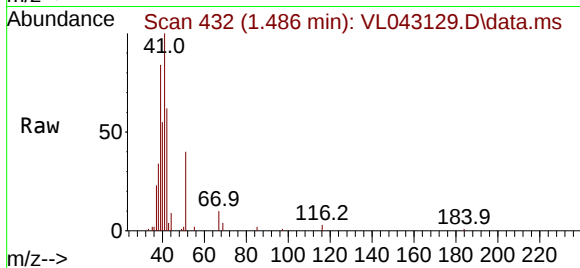
LOQ-AIR-02-QT3-2025

Tgt Ion: 41 Resp: 2708

Ion Ratio Lower Upper

41 100

42 77.1 55.1 82.7



#10

Heptane

Concen: 0.272 ppbv

RT: 4.995 min Scan# 1516

Delta R.T. 0.010 min

Lab File: VL043129.D

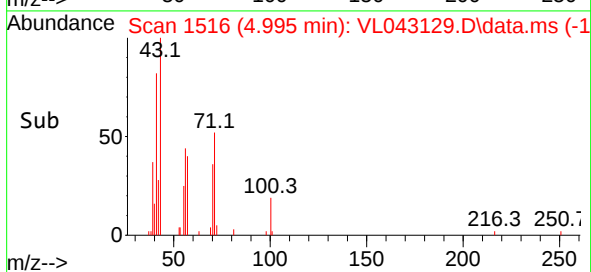
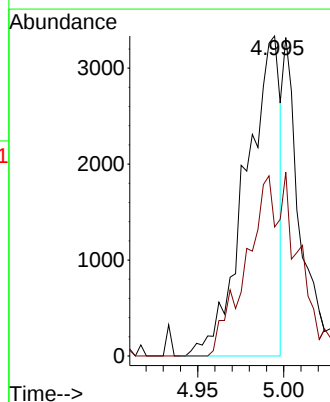
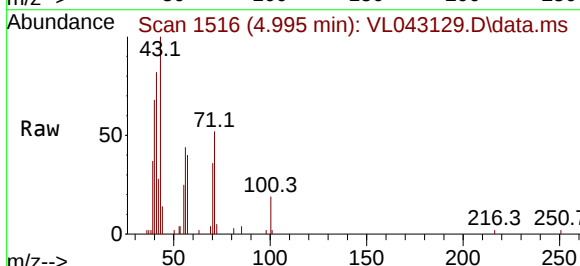
Acq: 16 Oct 2025 13:49

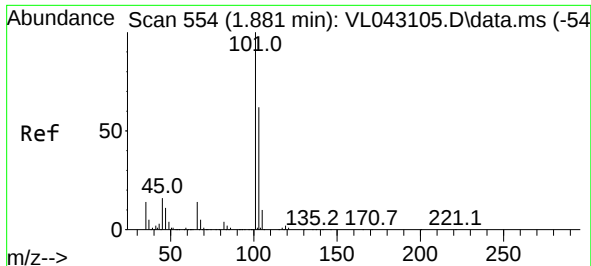
Tgt Ion: 43 Resp: 4627

Ion Ratio Lower Upper

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57 0.0 40.8 61.2#

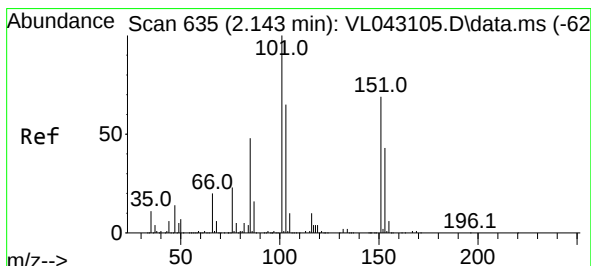
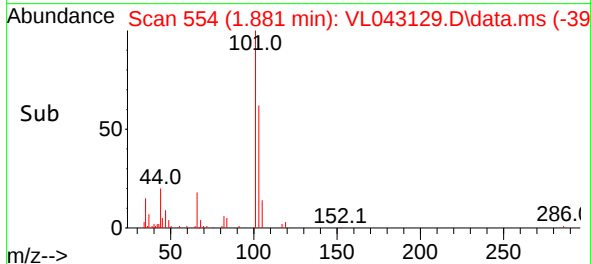
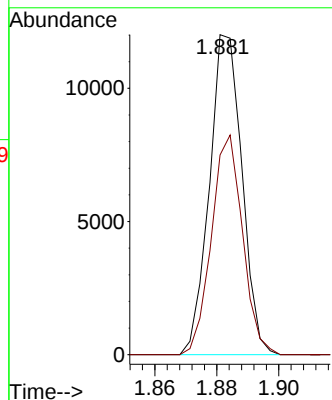
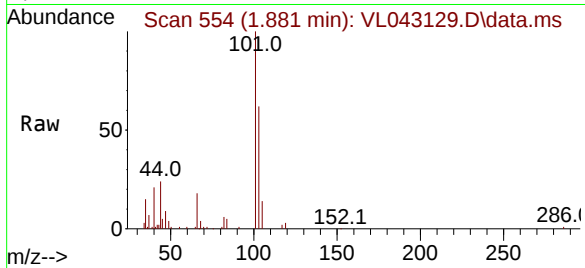




#11
 Trichlorofluoromethane
 Concen: 0.730 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

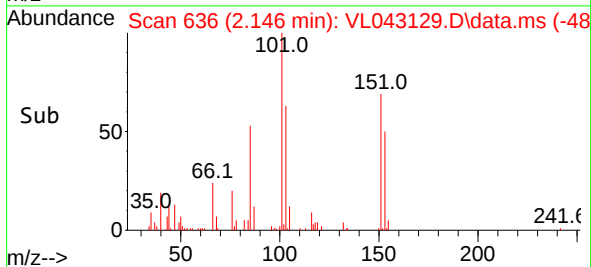
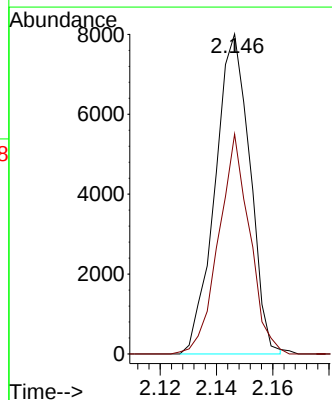
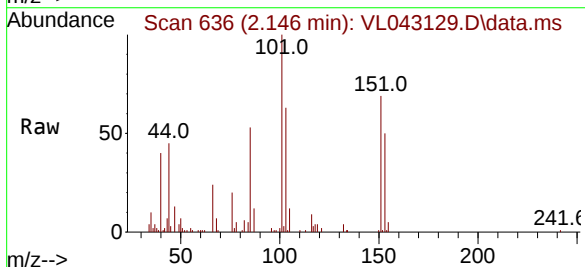
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

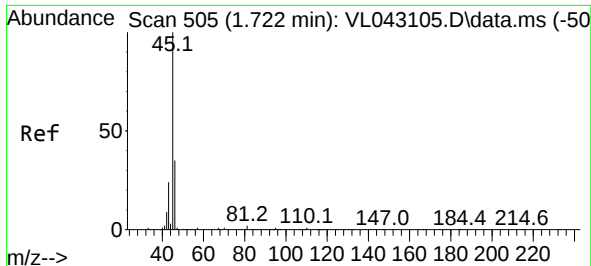
Tgt Ion:101 Resp: 8786
 Ion Ratio Lower Upper
 101 100
 103 62.4 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.711 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion:101 Resp: 6884
 Ion Ratio Lower Upper
 101 100
 151 61.2 54.7 82.1

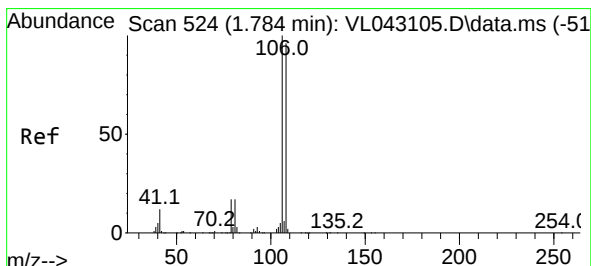
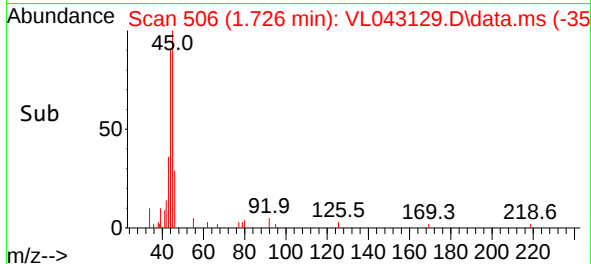
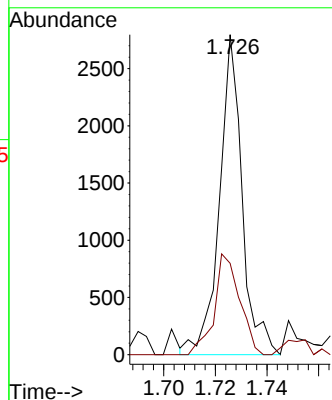
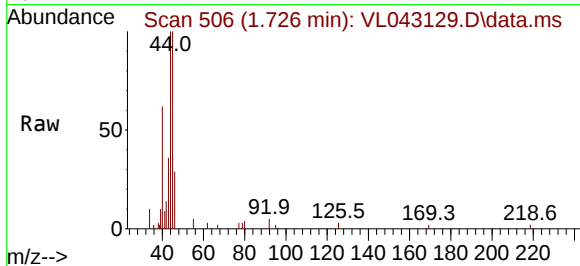




#13
Ethanol
Concen: 0.780 ppbv
RT: 1.726 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

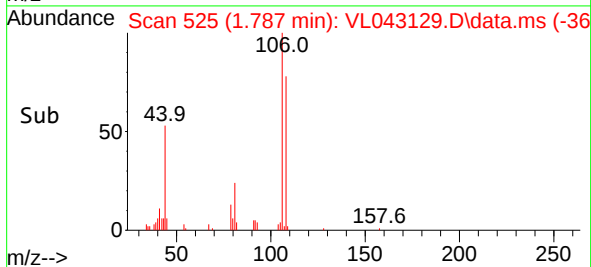
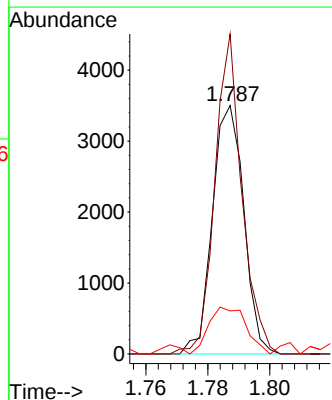
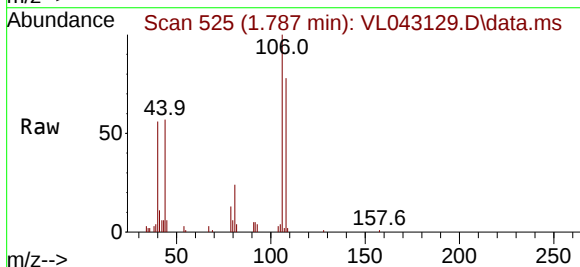
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

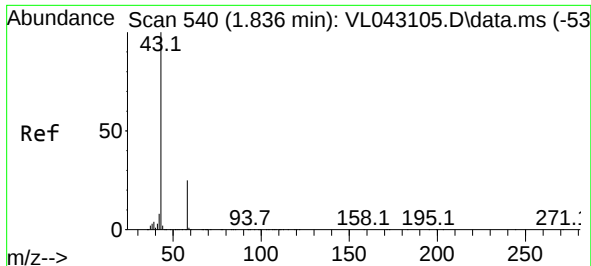
Tgt Ion: 45 Resp: 1704
Ion Ratio Lower Upper
45 100
46 40.7 14.7 58.9



#14
Bromoethene
Concen: 0.685 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 108 Resp: 2465
Ion Ratio Lower Upper
108 100
106 110.6 84.4 126.6
79 27.4 15.3 22.9





#15

Acetone

Concen: 0.810 ppbv

RT: 1.842 min Scan# 540

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

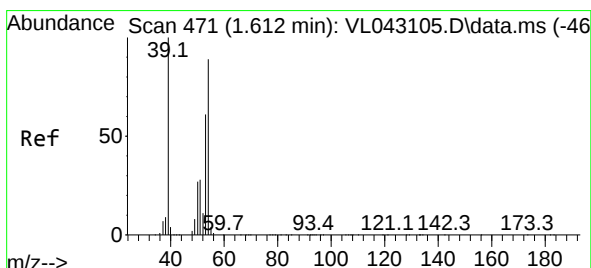
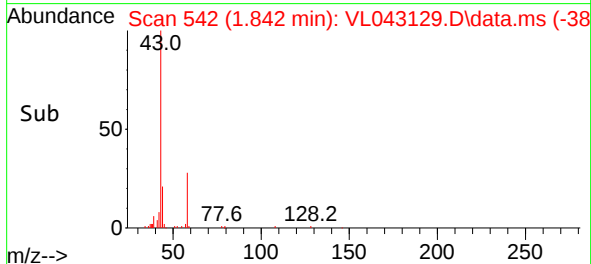
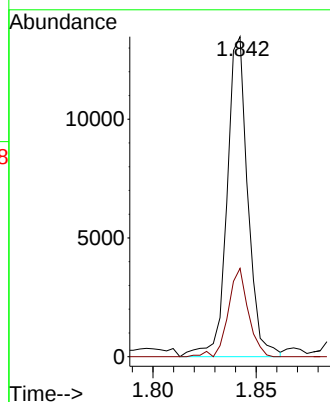
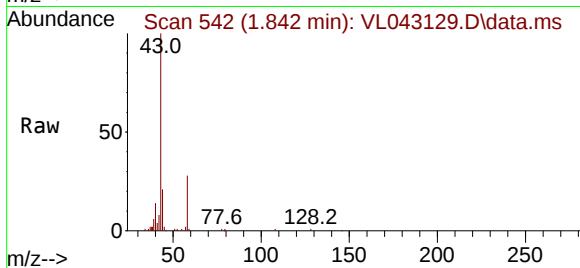
LOQ-AIR-02-QT3-2025

Tgt Ion: 43 Resp: 9449

Ion Ratio Lower Upper

43 100

58 26.5 20.8 31.2



#16

1,3-Butadiene

Concen: 0.683 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL043129.D

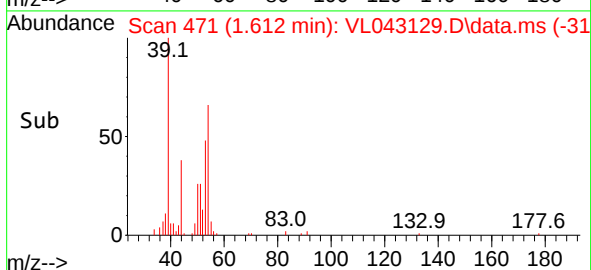
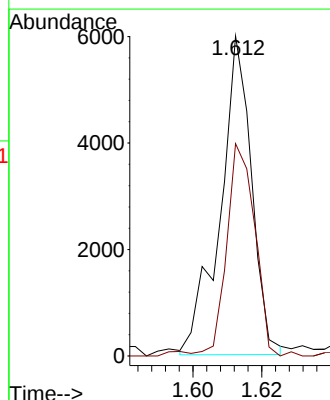
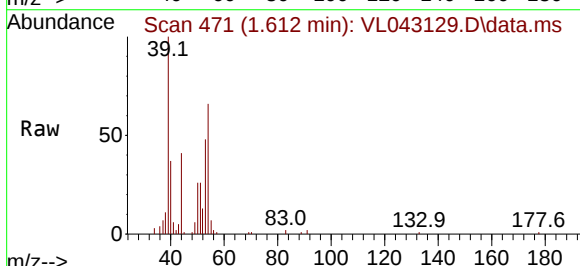
Acq: 16 Oct 2025 13:49

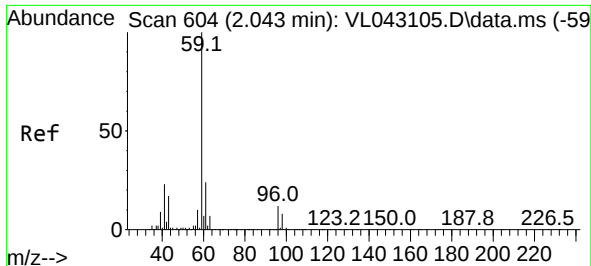
Tgt Ion: 39 Resp: 3797

Ion Ratio Lower Upper

39 100

54 61.4 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.648 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

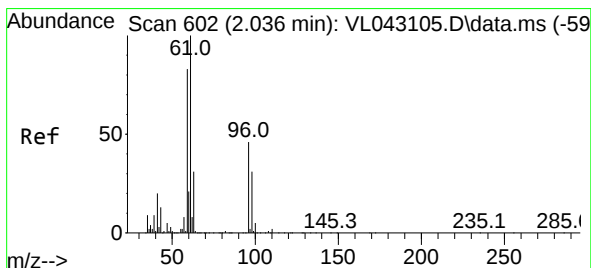
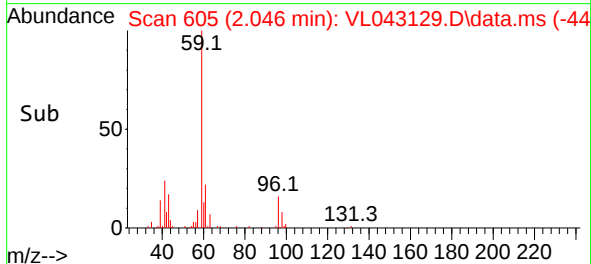
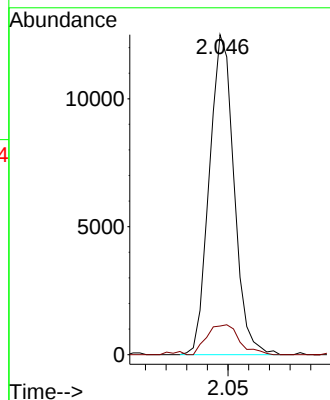
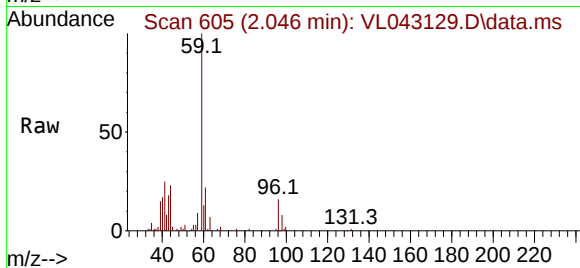
LOQ-AIR-02-QT3-2025

Tgt Ion: 59 Resp: 10380

Ion Ratio Lower Upper

59 100

57 12.8 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.681 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

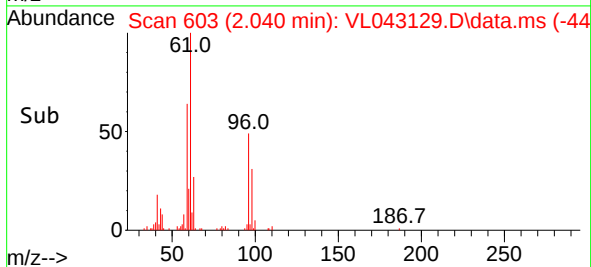
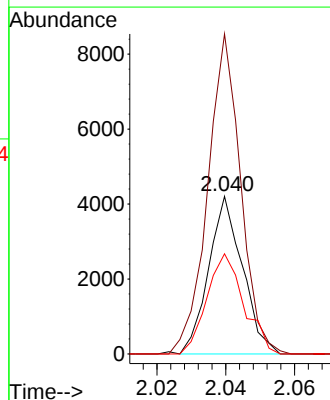
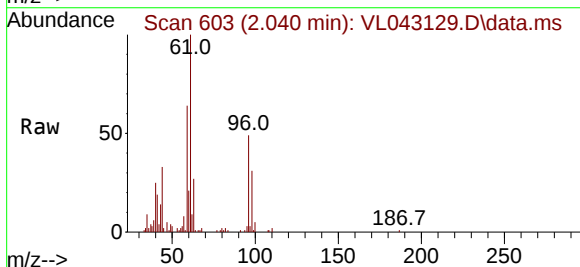
Tgt Ion: 96 Resp: 2874

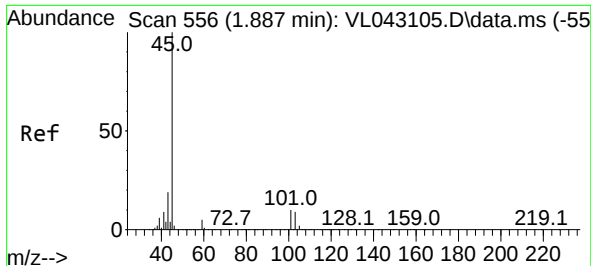
Ion Ratio Lower Upper

96 100

61 201.0 173.4 260.0

98 63.5 53.2 79.8

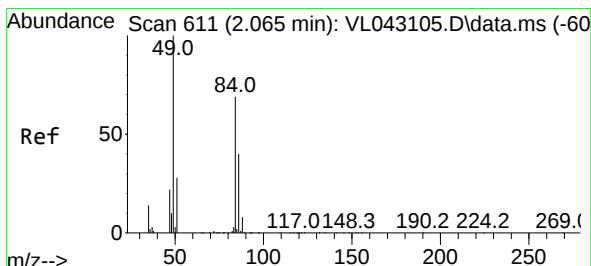
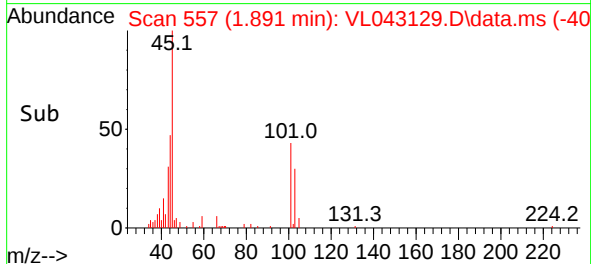
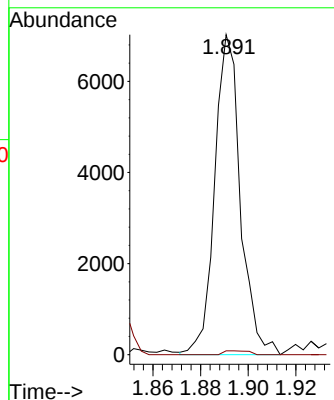
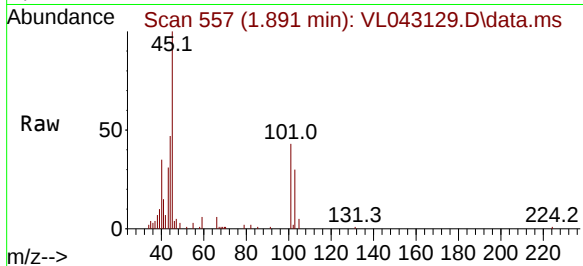




#19
Isopropyl Alcohol
Concen: 0.724 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

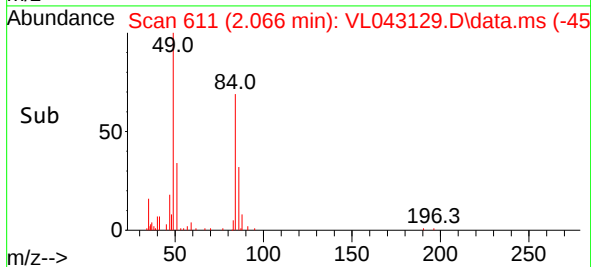
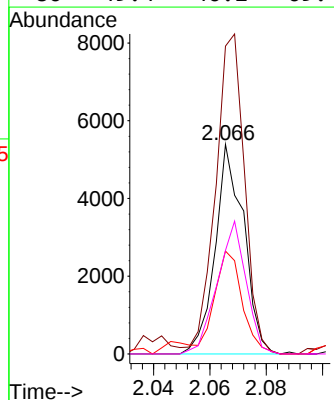
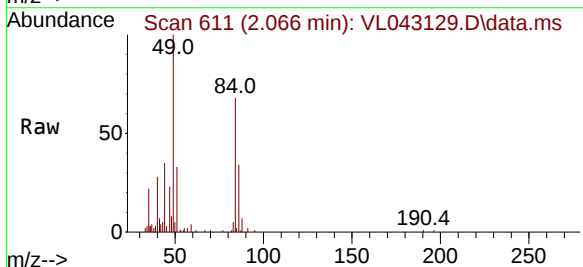
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

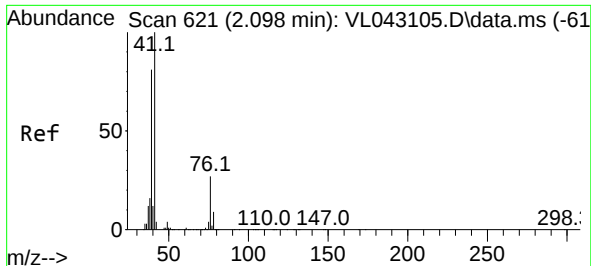
Tgt Ion: 45 Resp: 5259
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#



#20
Methylene Chloride
Concen: 0.823 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 84 Resp: 3796
Ion Ratio Lower Upper
84 100
49 146.9 116.6 175.0
51 49.1 34.8 52.2
86 49.4 46.2 69.4

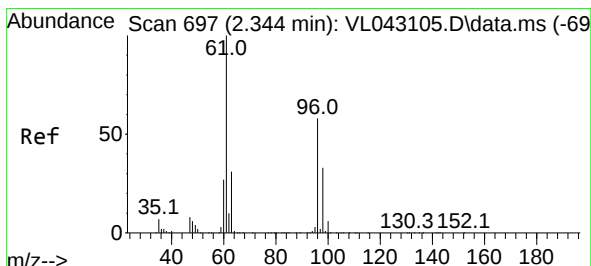
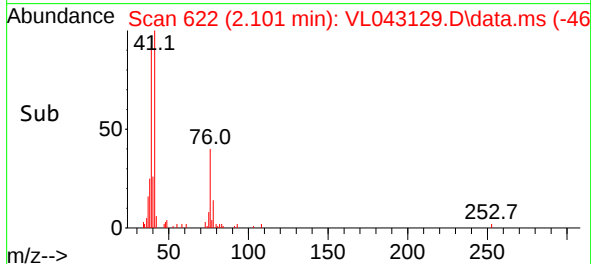
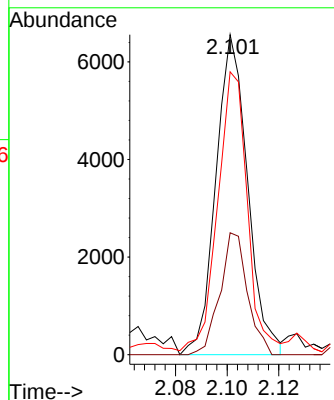
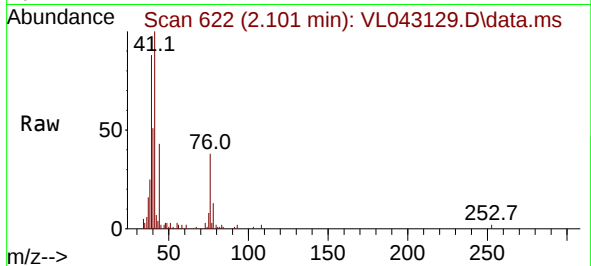




#21
 Allyl Chloride
 Concen: 0.652 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

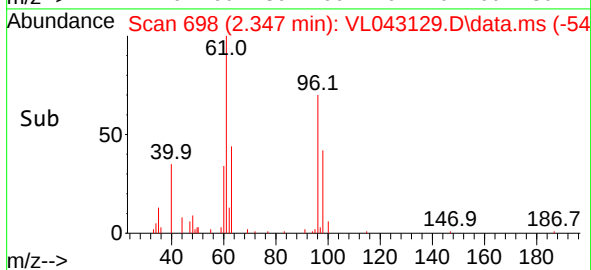
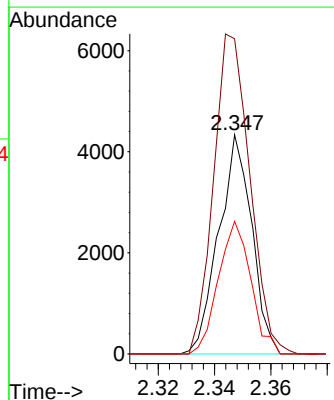
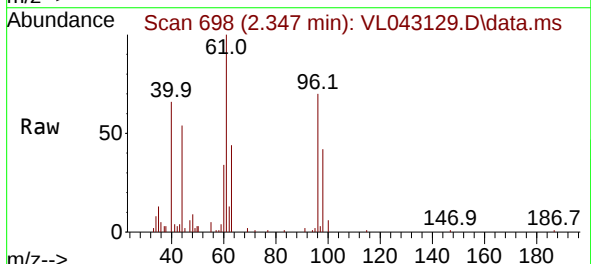
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

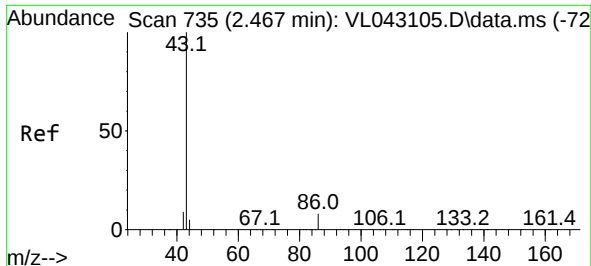
Tgt Ion: 41 Resp: 5599
 Ion Ratio Lower Upper
 41 100
 76 33.2 21.5 32.3#
 39 83.0 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.699 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion: 96 Resp: 3529
 Ion Ratio Lower Upper
 96 100
 61 143.8 137.0 205.6
 98 60.5 45.5 68.3

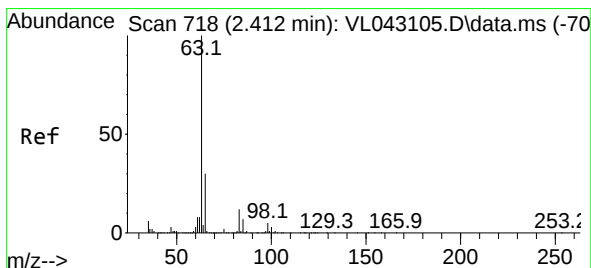
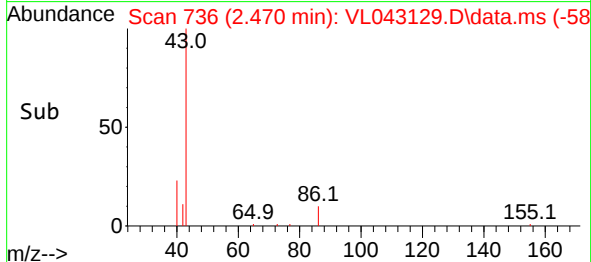
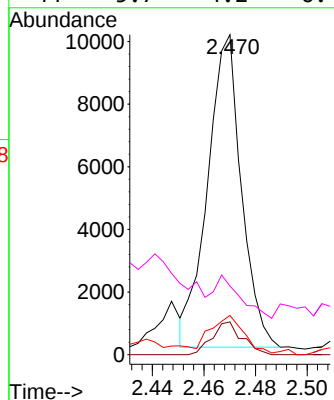
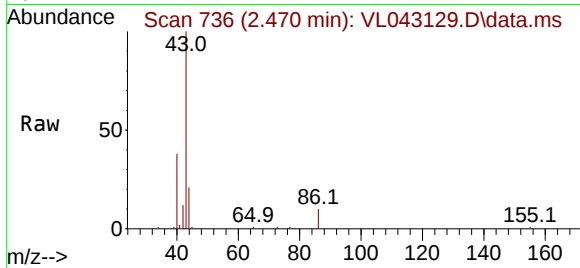




#23
 Vinyl Acetate
 Concen: 0.532 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

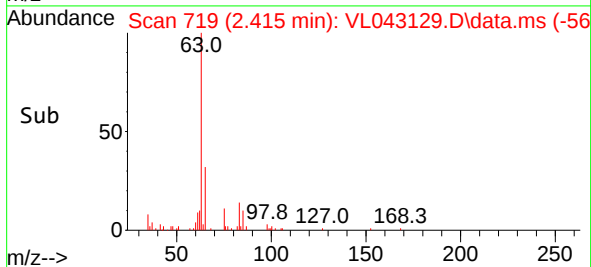
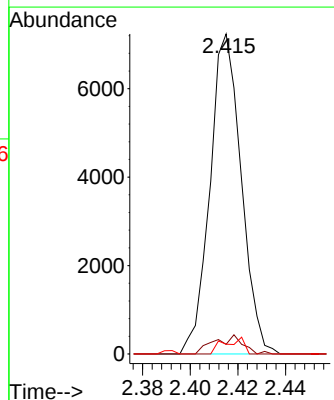
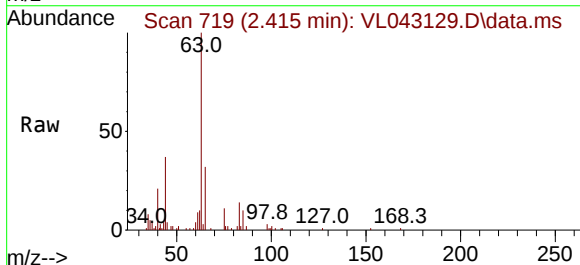
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

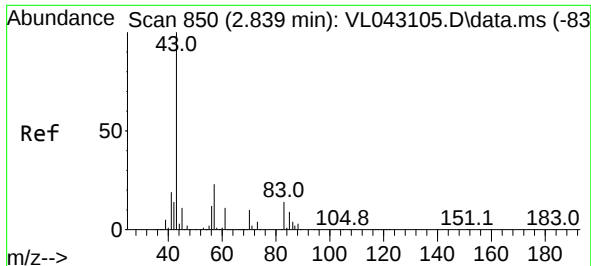
Tgt Ion:	43	Resp:	9091
Ion	Ratio	Lower	Upper
43	100		
86	10.5	6.2	9.2#
42	11.5	7.6	11.4#
44	5.7	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 0.677 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion:	63	Resp:	6604
Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.6	7.8
100	3.0	1.5	4.4

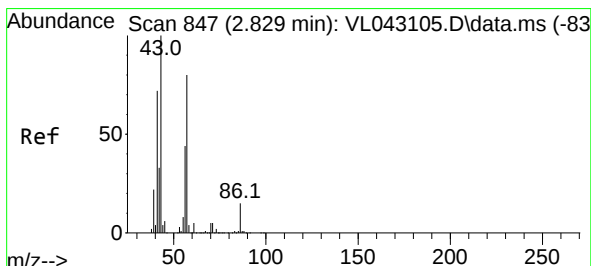
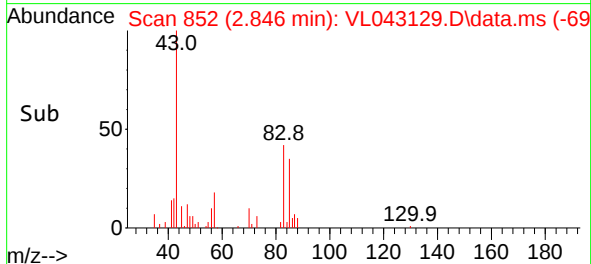
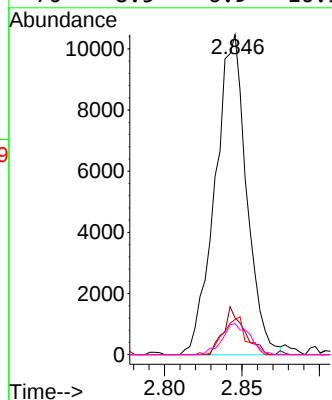
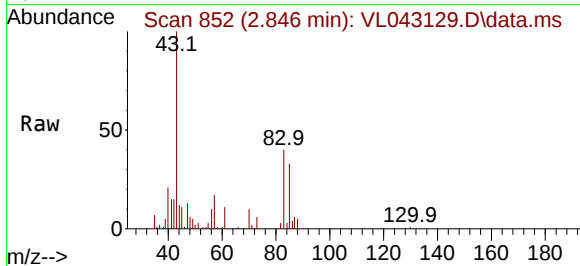




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.846 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

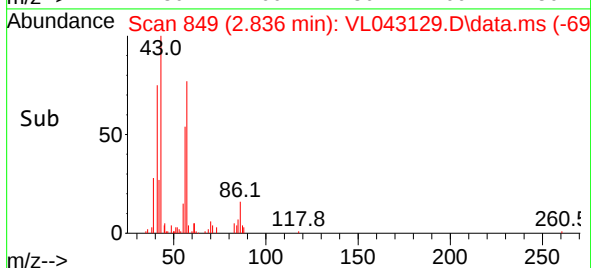
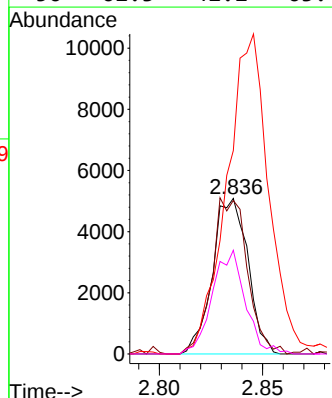
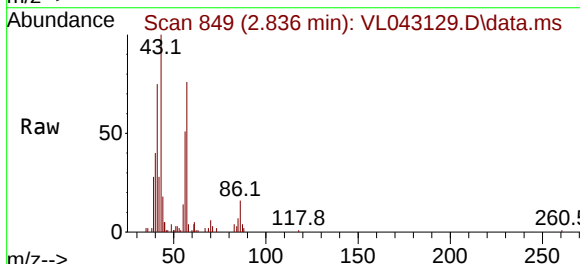
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

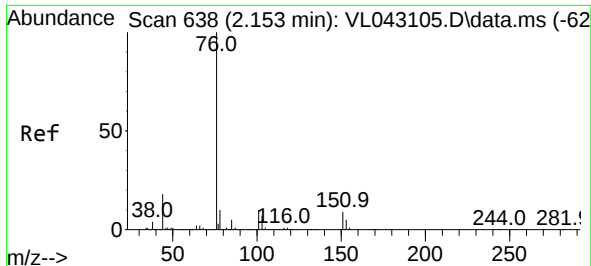
Tgt Ion: 43	Resp: 14766
Ion Ratio	Lower Upper
43 100	
45 10.0	7.8 11.8
61 8.7	7.0 10.6
70 8.5	6.9 10.3



#26
Hexane
Concen: 0.455 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 57	Resp: 6063
Ion Ratio	Lower Upper
57 100	
41 104.9	71.4 107.0
43 250.5	178.5 267.7
56 62.3	42.2 63.4





#27

Carbon Disulfide

Concen: 0.651 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

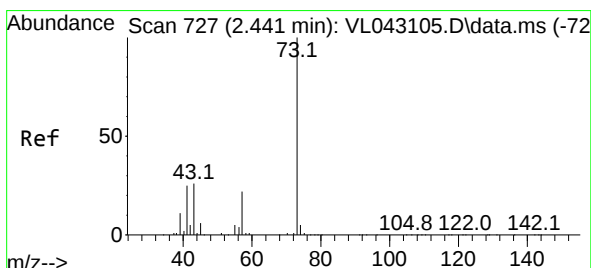
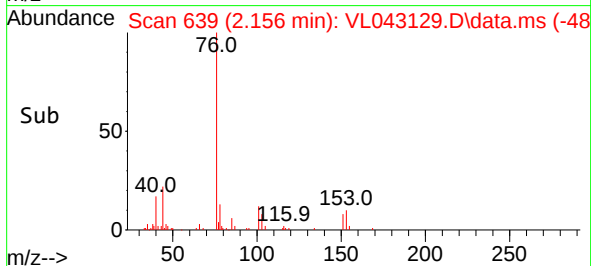
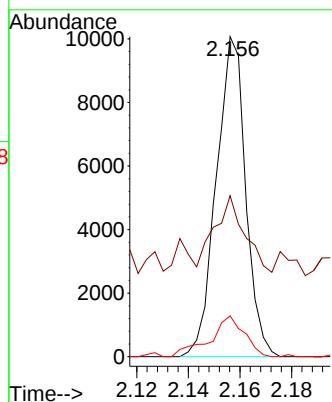
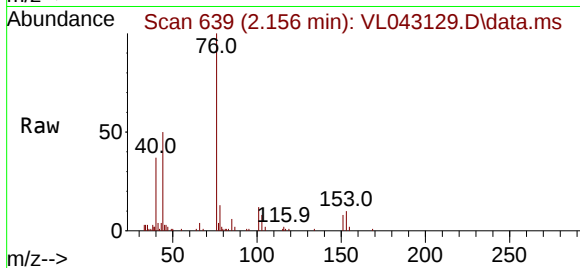
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion: 76	Resp: 7952
Ion Ratio	Lower Upper
76 100	
44 82.7	16.7 25.1#
78 15.1	9.3 13.9#



#28

Methyl tert-Butyl Ether

Concen: 0.780 ppbv

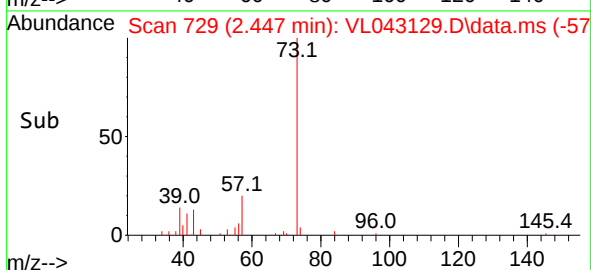
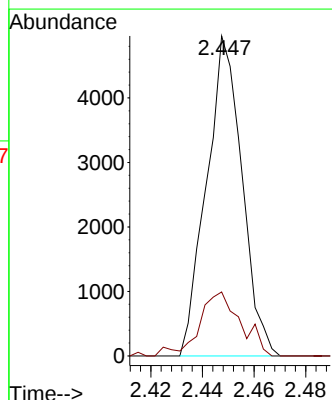
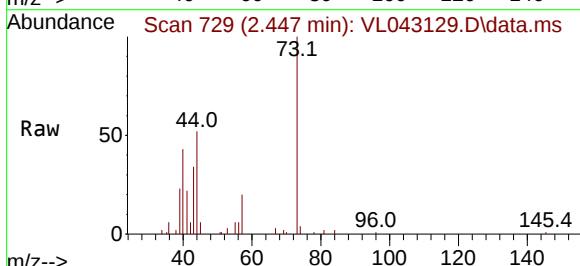
RT: 2.447 min Scan# 729

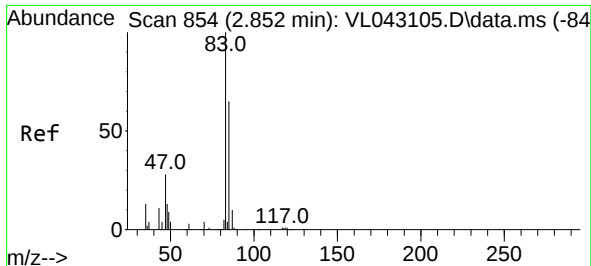
Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion: 73	Resp: 4728
Ion Ratio	Lower Upper
73 100	
57 24.3	20.5 30.7





#29

Chloroform

Concen: 0.618 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

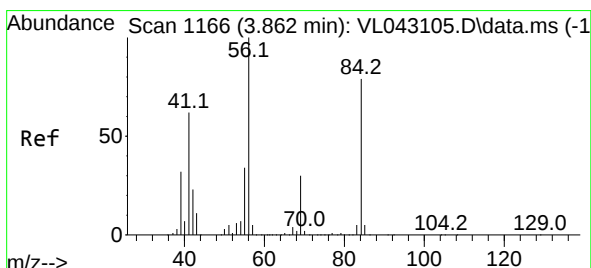
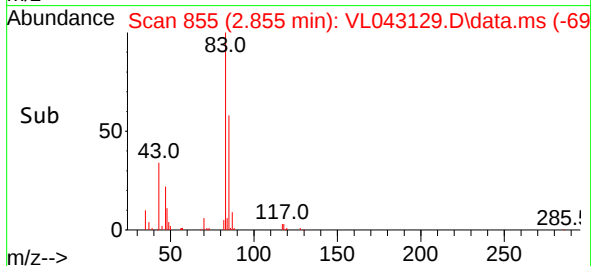
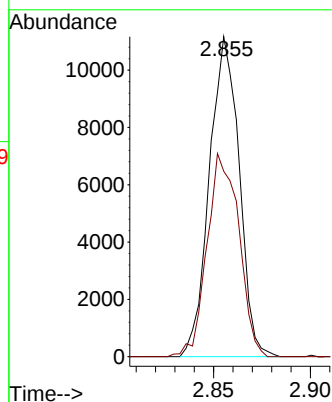
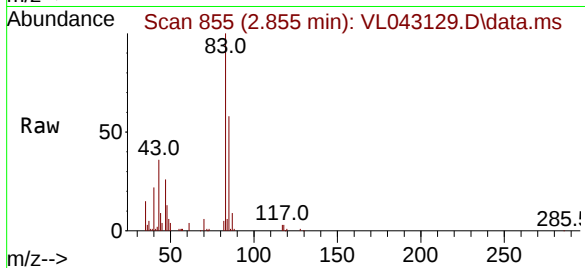
LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 11940

Ion Ratio Lower Upper

83 100

85 58.0 51.8 77.6



#30

Cyclohexane

Concen: 0.505 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

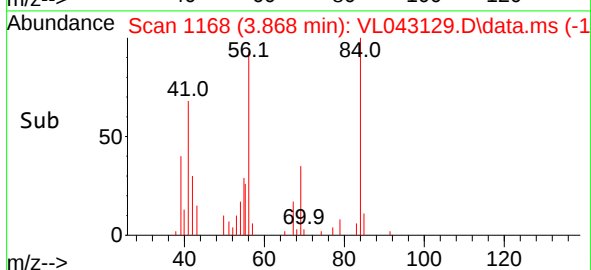
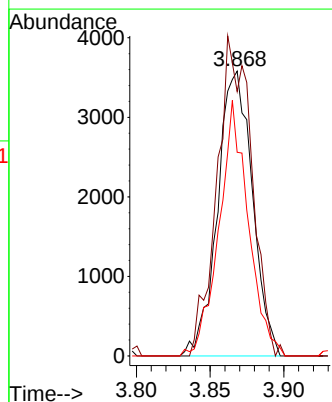
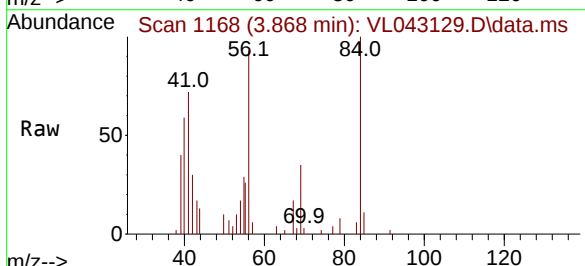
Tgt Ion: 84 Resp: 5874

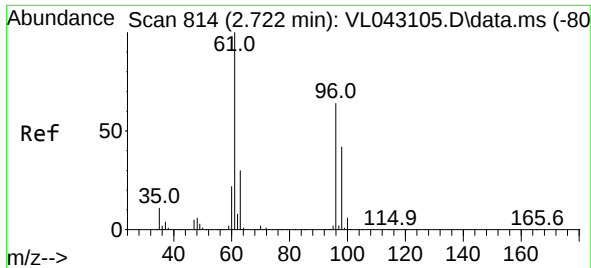
Ion Ratio Lower Upper

84 100

56 111.8 100.9 151.3

41 75.5 63.8 95.6

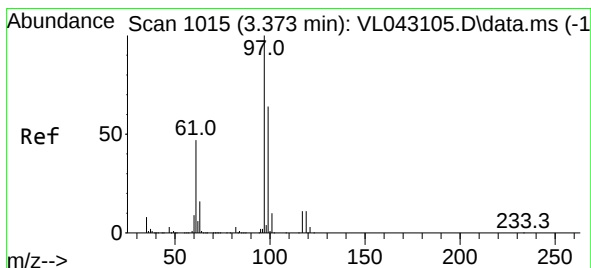
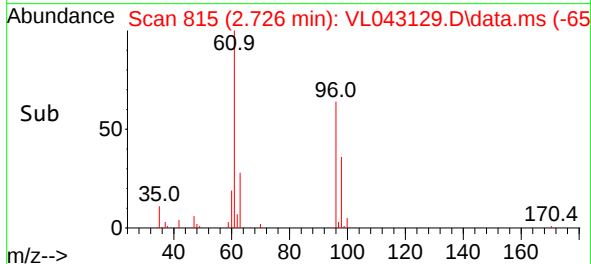
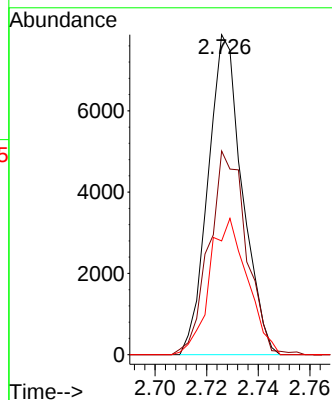
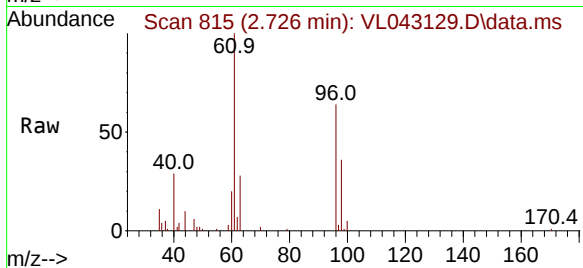




#31
 cis-1,2-Dichloroethene
 Concen: 0.570 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

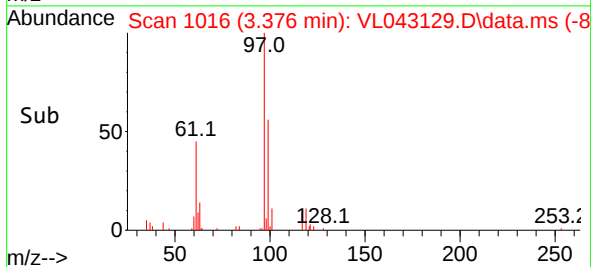
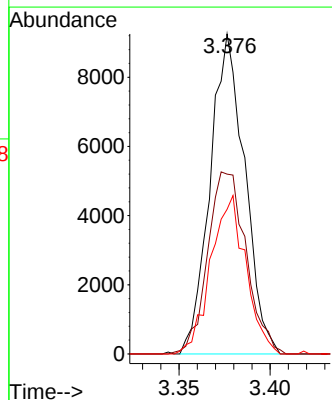
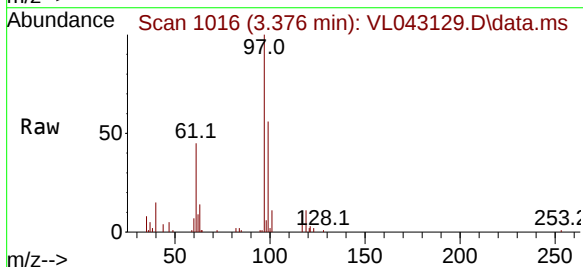
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

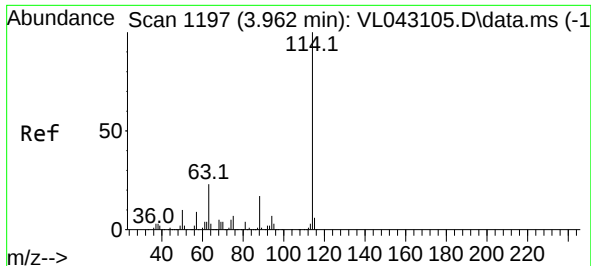
Tgt Ion:	61	Resp:	7249
Ion	Ratio	Lower	Upper
61	100		
96	62.6	51.0	76.6
98	35.5	33.5	50.3



#32
 1,1,1-Trichloroethane
 Concen: 0.610 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion:	97	Resp:	12264
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.3	76.9
61	50.0	38.4	57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

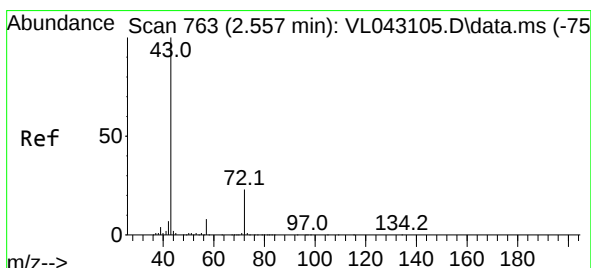
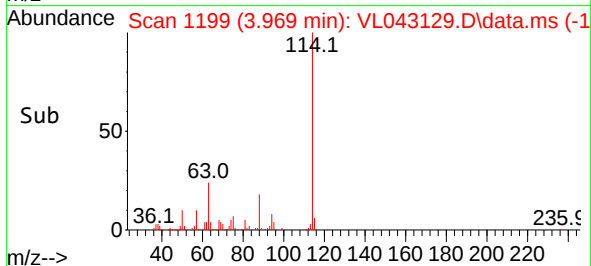
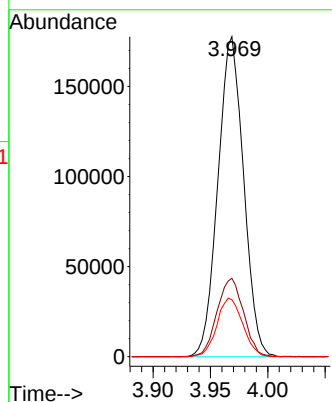
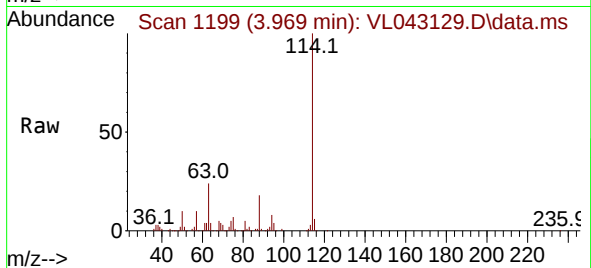
Tgt Ion:114 Resp: 276491

Ion Ratio Lower Upper

114 100

63 25.2 19.3 28.9

88 18.4 13.9 20.9



#34

2-Butanone

Concen: 0.549 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL043129.D

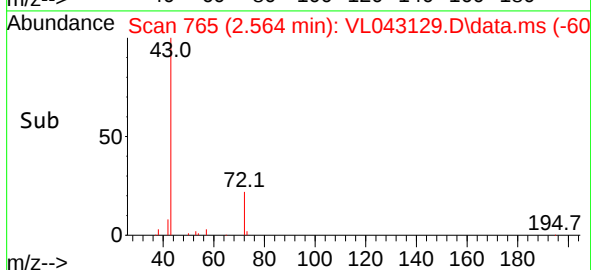
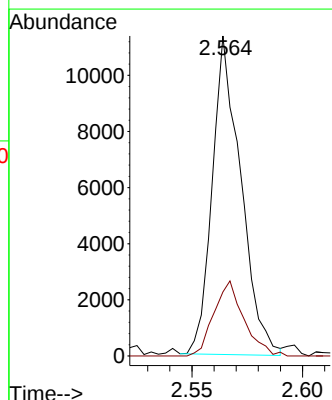
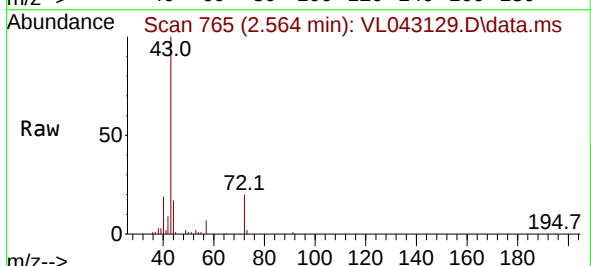
Acq: 16 Oct 2025 13:49

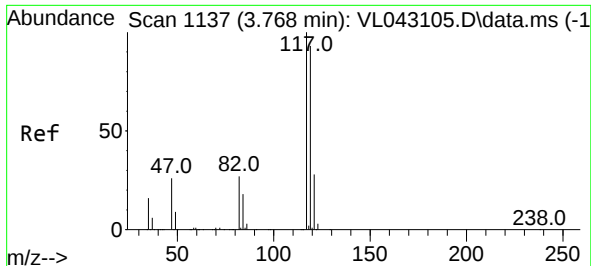
Tgt Ion: 43 Resp: 10195

Ion Ratio Lower Upper

43 100

72 24.8 18.4 27.6

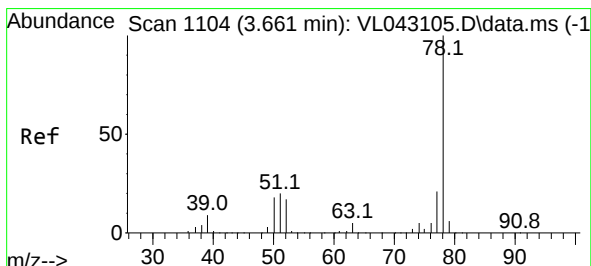
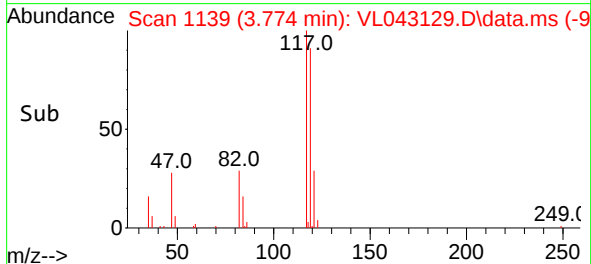
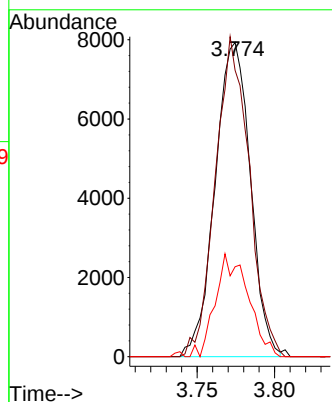
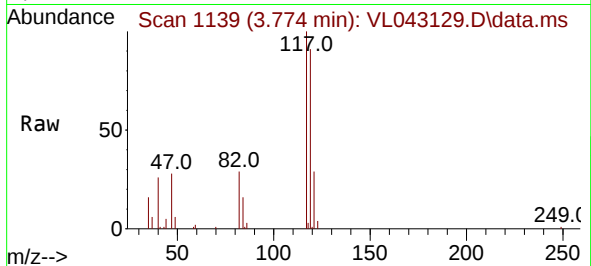




#35
Carbon Tetrachloride
Concen: 0.632 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

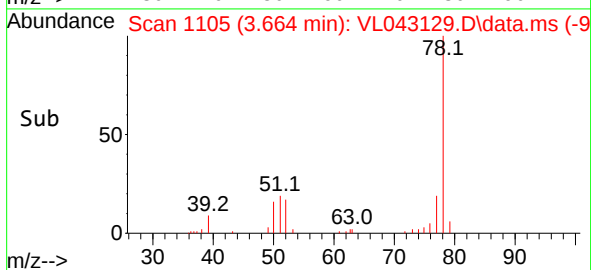
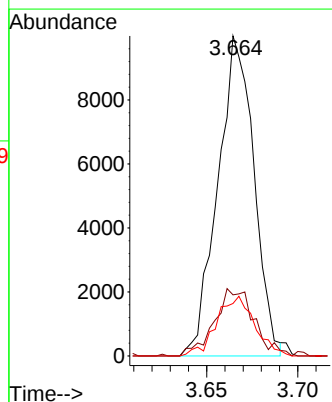
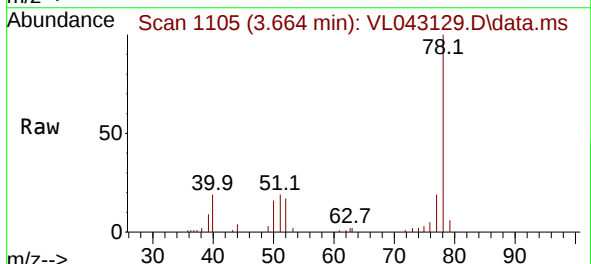
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

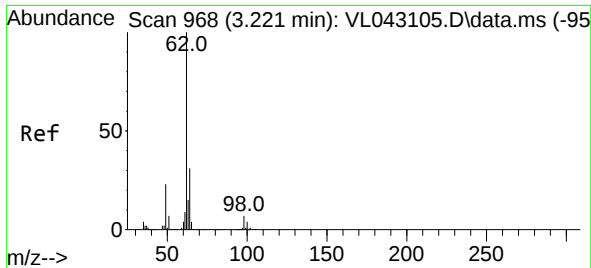
Tgt Ion:117 Resp: 12559
Ion Ratio Lower Upper
117 100
119 91.2 74.1 111.1
121 28.6 22.2 33.2



#36
Benzene
Concen: 0.530 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 78 Resp: 13796
Ion Ratio Lower Upper
78 100
77 19.1 17.0 25.6
50 16.4 14.6 22.0

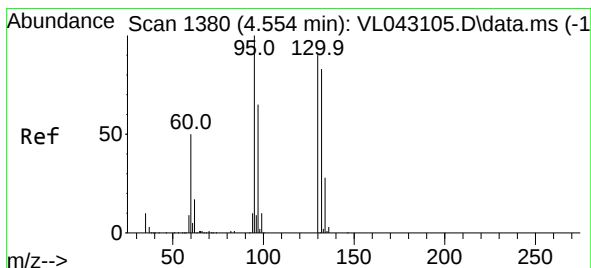
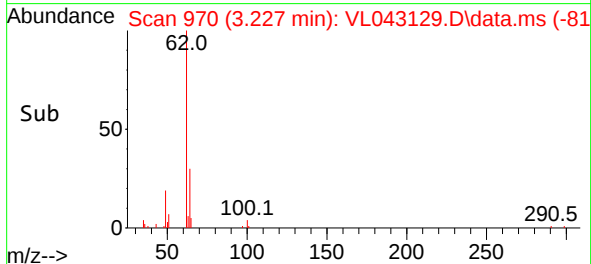
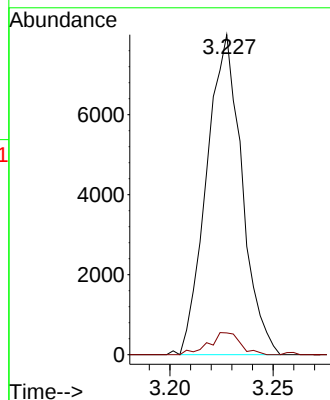
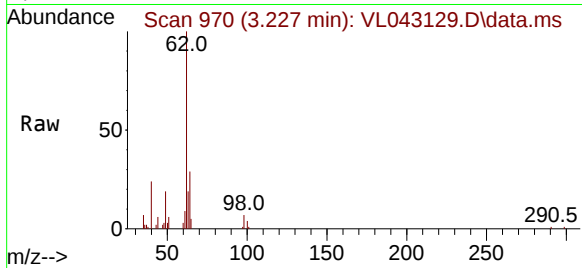




#37
1,2-Dichloroethane
Concen: 0.634 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

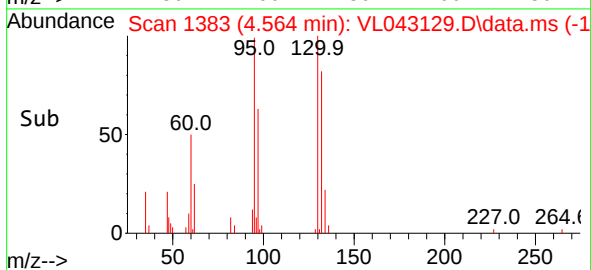
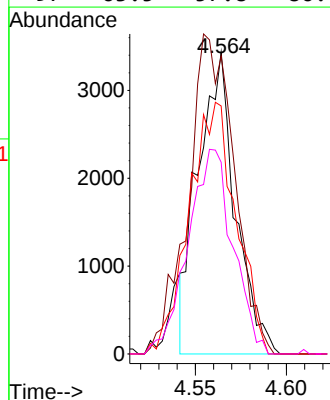
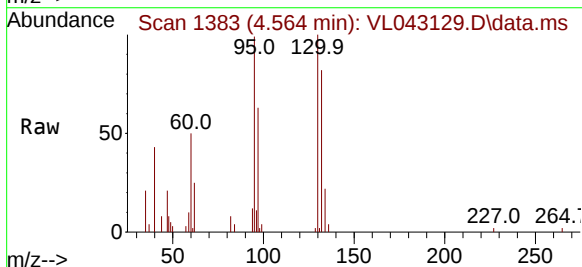
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

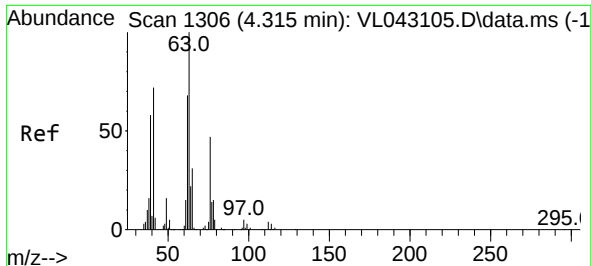
Tgt Ion: 62 Resp: 9513
Ion Ratio Lower Upper
62 100
98 6.4 5.8 8.6



#38
Trichloroethene
Concen: 0.449 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.010 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:130 Resp: 4882
Ion Ratio Lower Upper
130 100
95 98.7 88.6 133.0
132 82.2 73.4 110.0
97 63.5 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.563 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

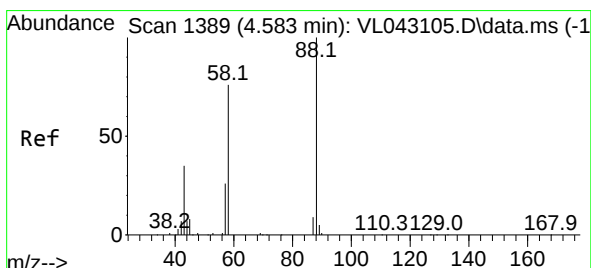
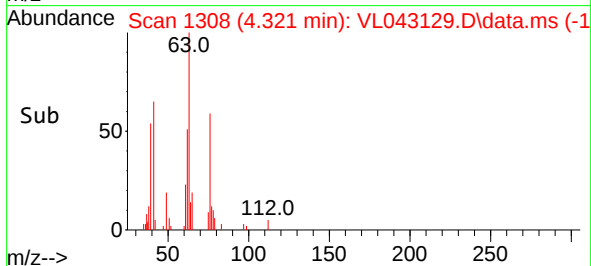
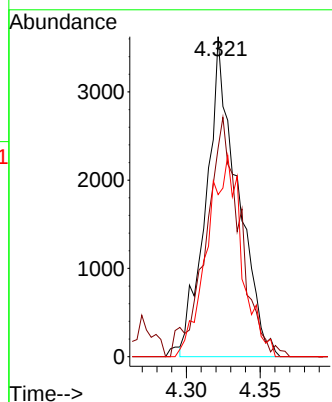
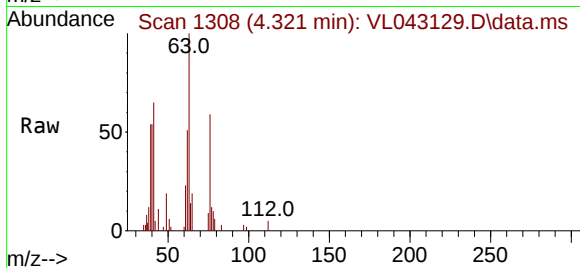
Tgt Ion: 63 Resp: 5358

Ion Ratio Lower Upper

63 100

41 63.3 58.0 87.0

62 50.7 54.7 82.1#



#40

1,4-Dioxane

Concen: 0.284 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.023 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion: 88 Resp: 1211

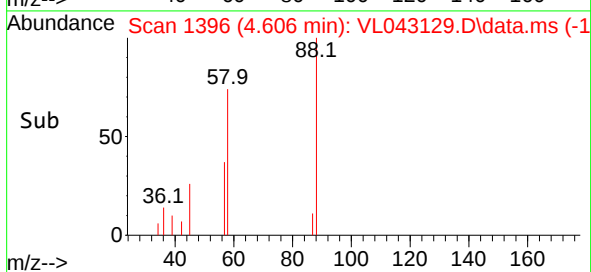
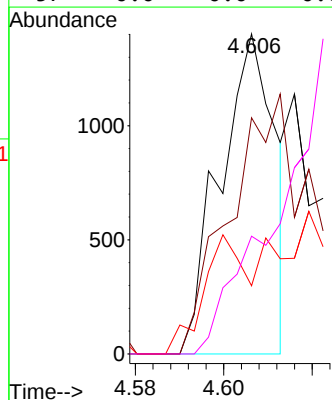
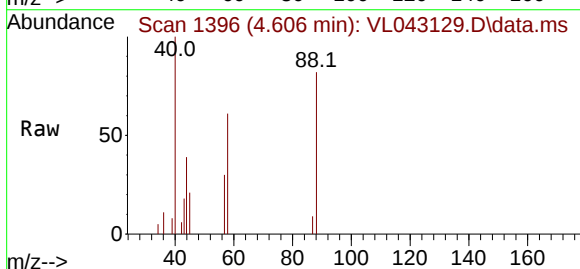
Ion Ratio Lower Upper

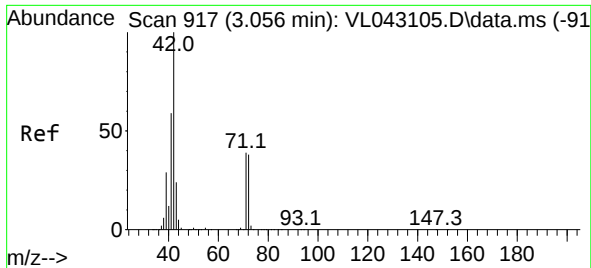
88 100

58 0.0 61.1 91.7#

43 0.0 24.0 36.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.430 ppbv

RT: 3.066 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

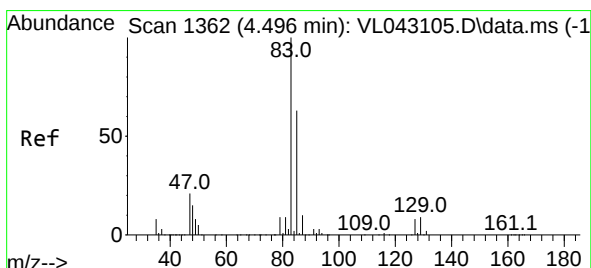
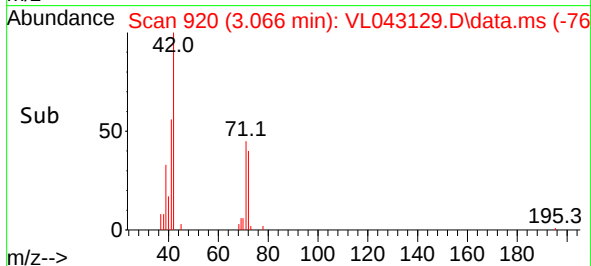
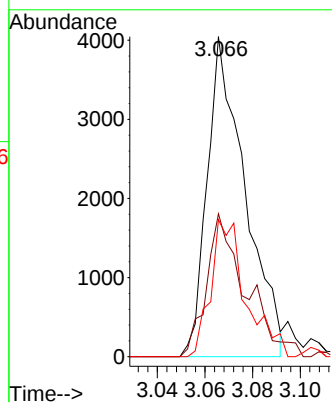
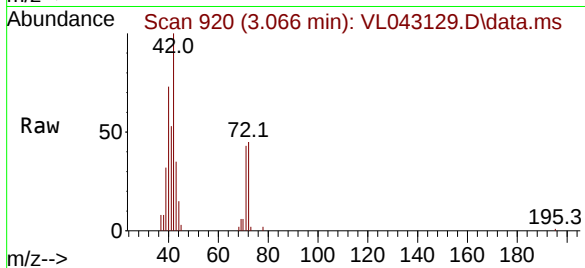
Tgt Ion: 42 Resp: 4466

Ion Ratio Lower Upper

42 100

72 46.6 31.3 46.9

71 40.7 30.4 45.6



#42

Bromodichloromethane

Concen: 0.590 ppbv

RT: 4.499 min Scan# 1363

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

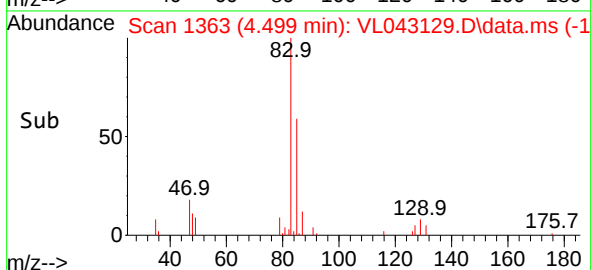
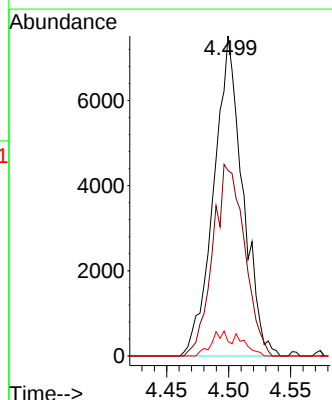
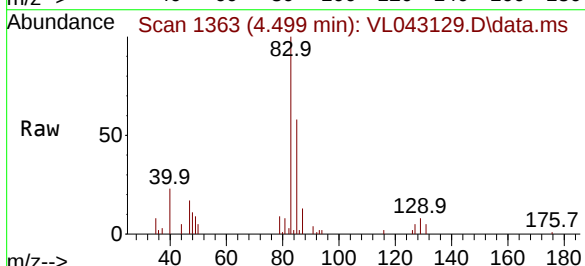
Tgt Ion: 83 Resp: 12247

Ion Ratio Lower Upper

83 100

85 58.0 50.6 75.8

127 4.5 6.3 9.5#

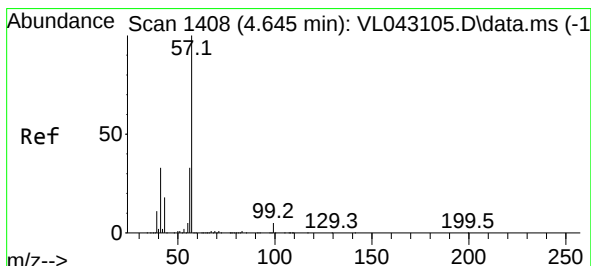
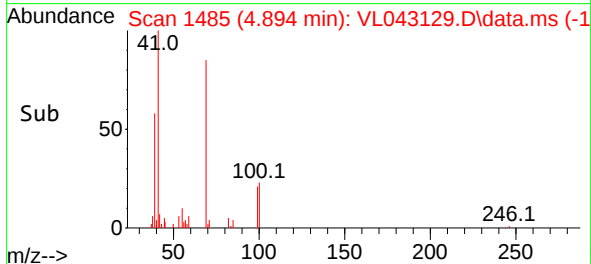
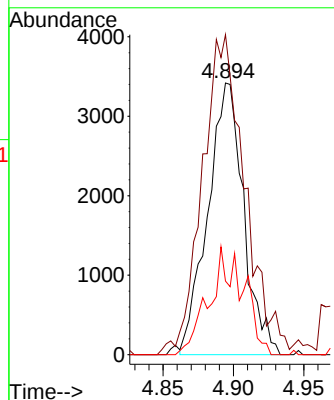
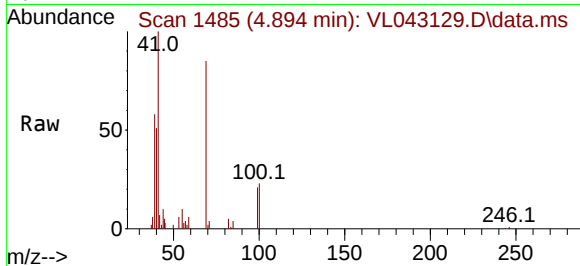




#43
Methyl Methacrylate
Concen: 0.457 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. 0.013 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

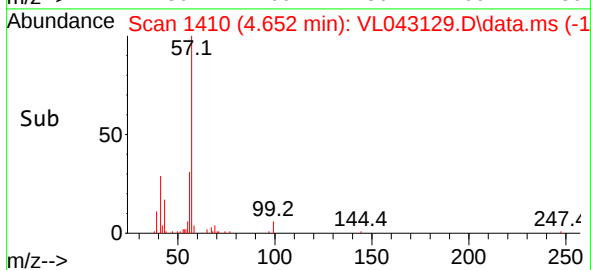
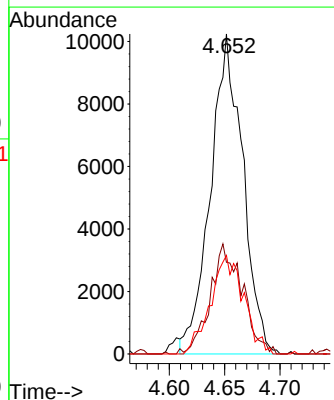
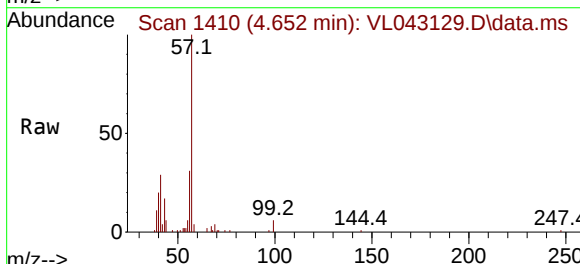
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

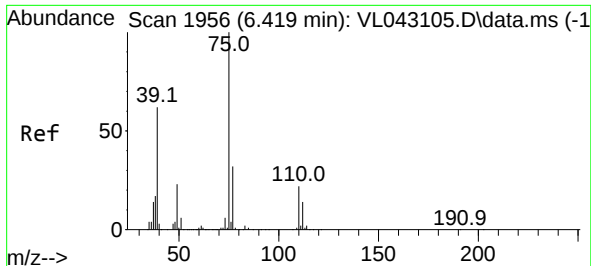
Tgt Ion: 69 Resp: 6042
Ion Ratio Lower Upper
69 100
41 140.8 120.5 180.7
100 38.1 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 0.473 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 57 Resp: 20773
Ion Ratio Lower Upper
57 100
41 34.2 26.3 39.5
56 31.7 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.254 ppbv

RT: 6.428 min Scan# 1959

Delta R.T. 0.010 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

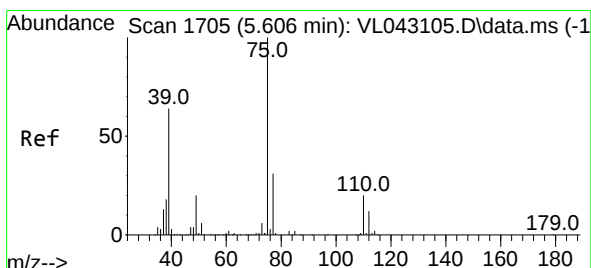
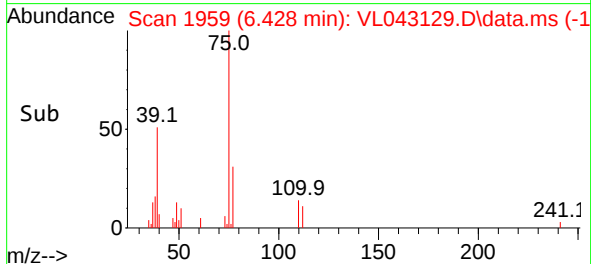
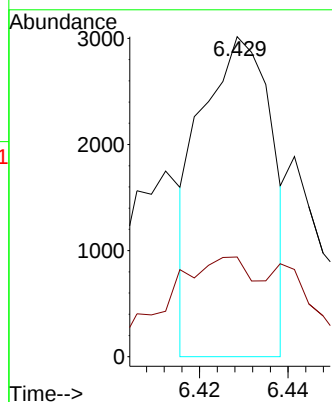
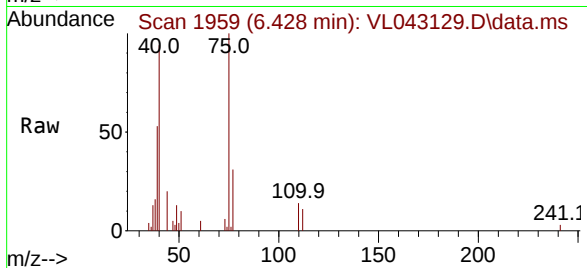
LOQ-AIR-02-QT3-2025

Tgt Ion: 75 Resp: 3365

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.145 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

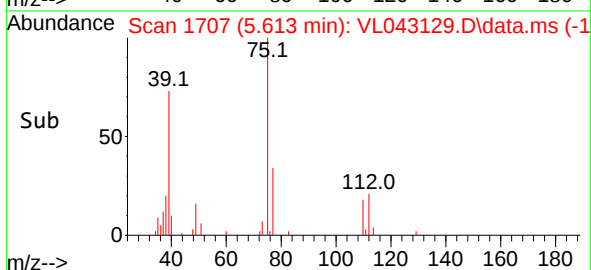
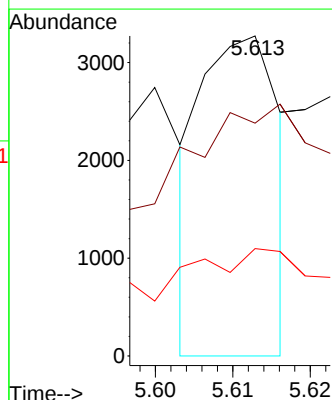
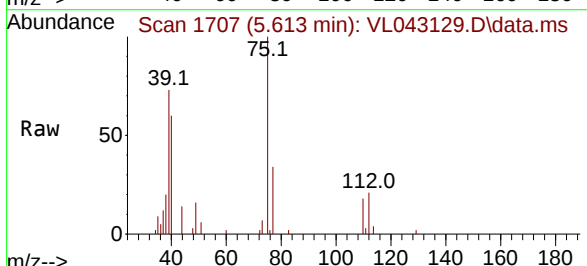
Tgt Ion: 75 Resp: 2294

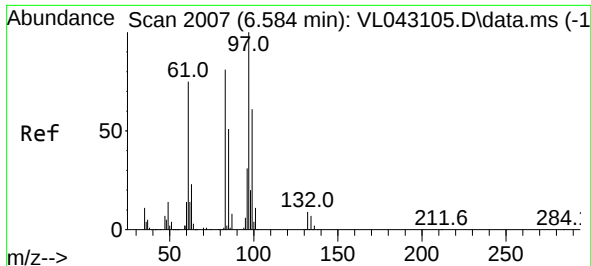
Ion Ratio Lower Upper

75 100

39 21.9 51.0 76.6#

77 17.3 25.0 37.4#

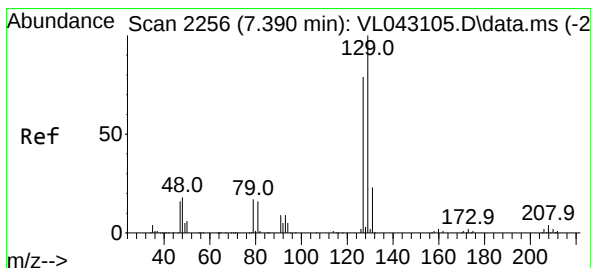
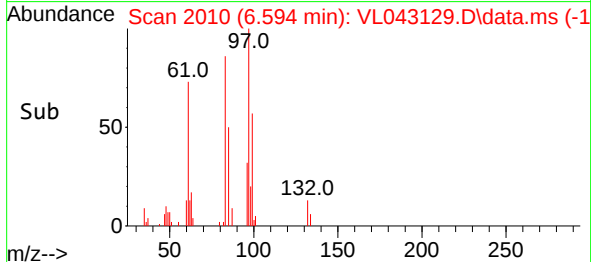
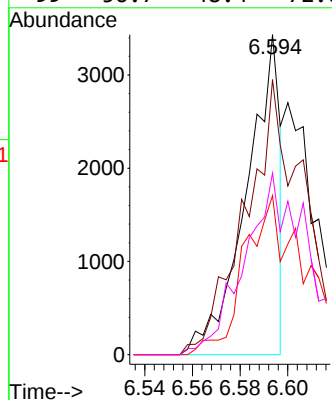
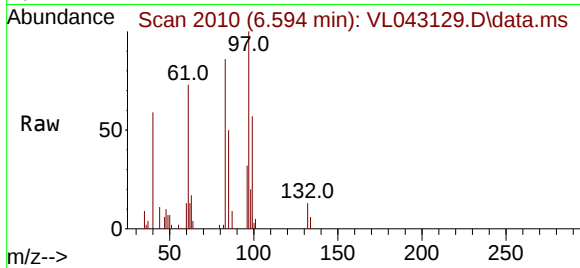




#47
1,1,2-Trichloroethane
Concen: 0.328 ppbv
RT: 6.594 min Scan# 2010
Delta R.T. 0.010 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

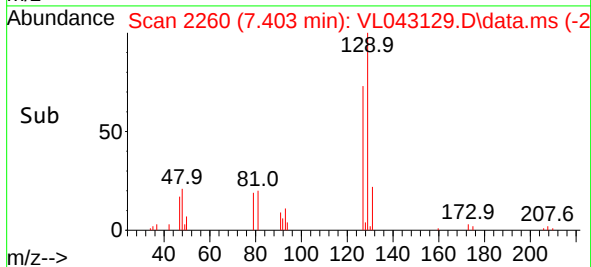
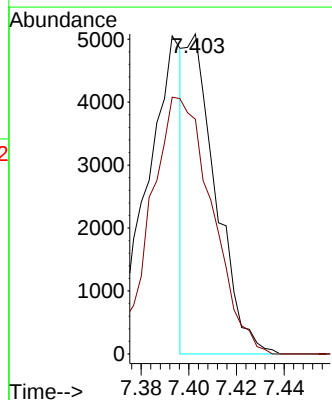
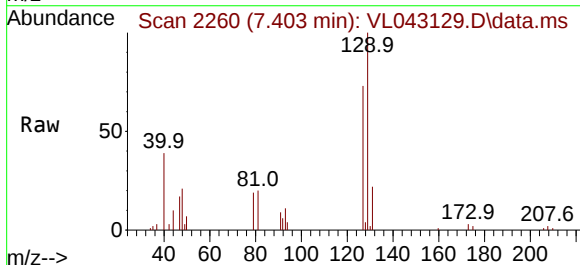
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

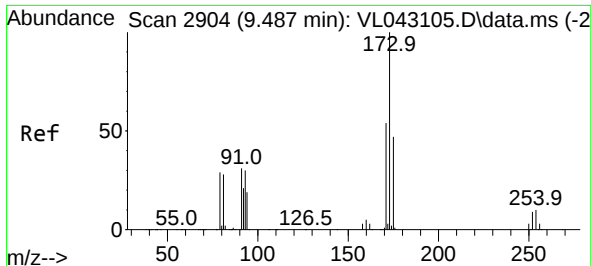
Tgt Ion: 97	Resp:	3372	
Ion	Ratio	Lower	Upper
97	100		
83	85.9	64.6	96.8
85	49.7	40.6	60.8
99	56.7	48.4	72.6



#48
Dibromochloromethane
Concen: 0.265 ppbv
RT: 7.403 min Scan# 2260
Delta R.T. 0.013 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:129	Resp:	4561	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#





#49

Bromoform

Concen: 0.516 ppbv

RT: 9.494 min Scan# 2906

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

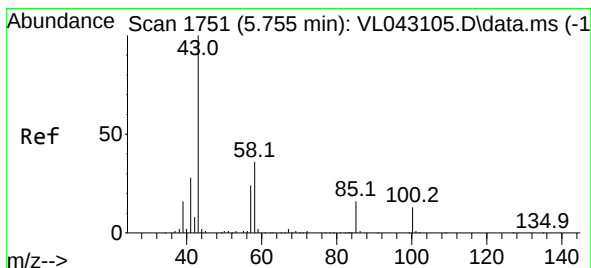
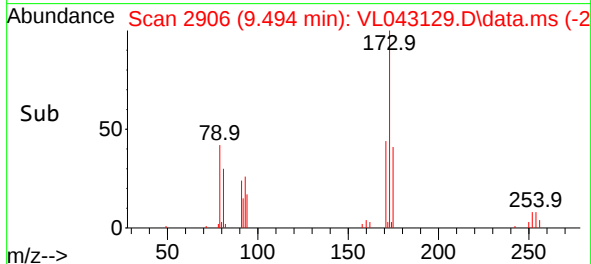
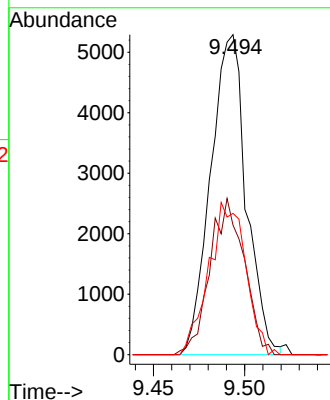
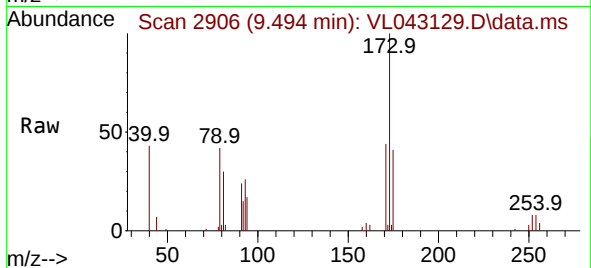
Tgt Ion:173 Resp: 7207

Ion Ratio Lower Upper

173 100

175 46.9 38.8 58.2

171 48.9 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.346 ppbv

RT: 5.775 min Scan# 1757

Delta R.T. 0.020 min

Lab File: VL043129.D

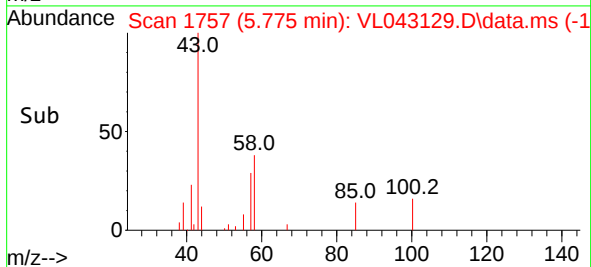
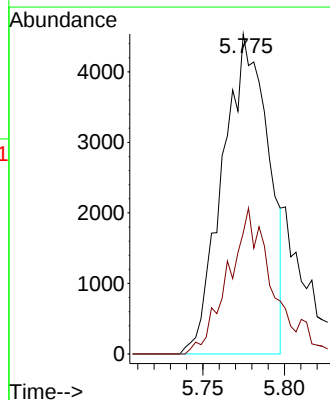
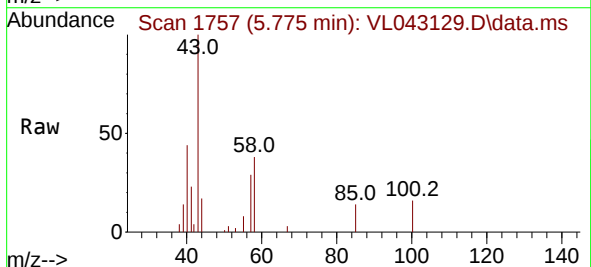
Acq: 16 Oct 2025 13:49

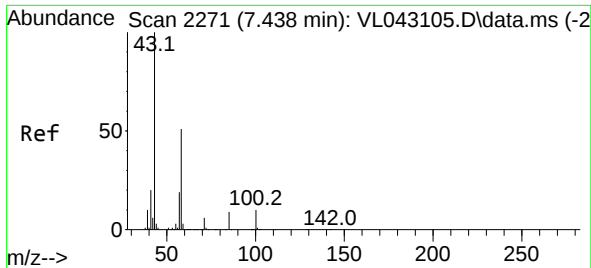
Tgt Ion: 43 Resp: 8876

Ion Ratio Lower Upper

43 100

58 45.4 29.1 43.7#

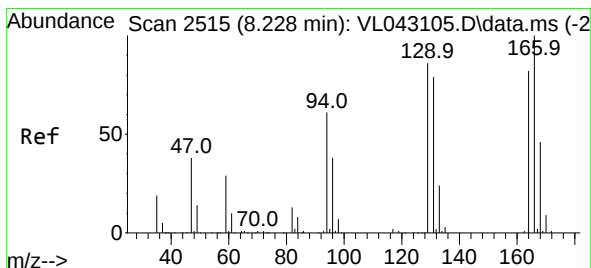
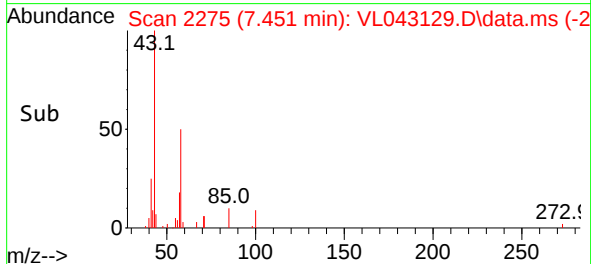
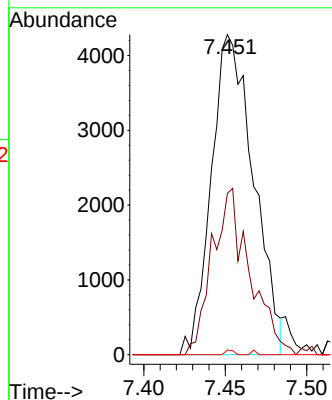
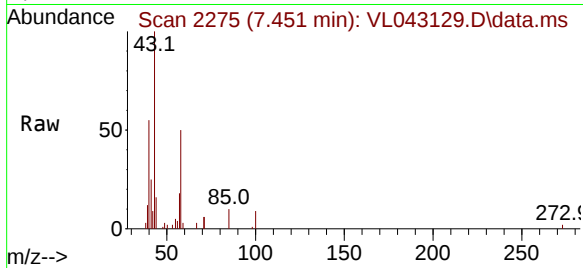




#51
2-Hexanone
Concen: 0.400 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

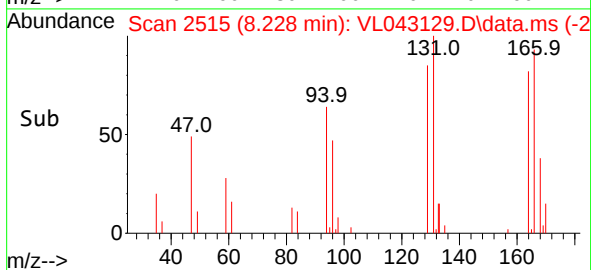
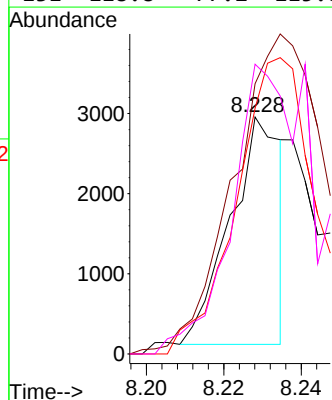
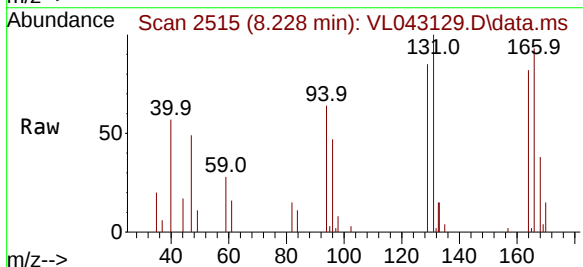
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

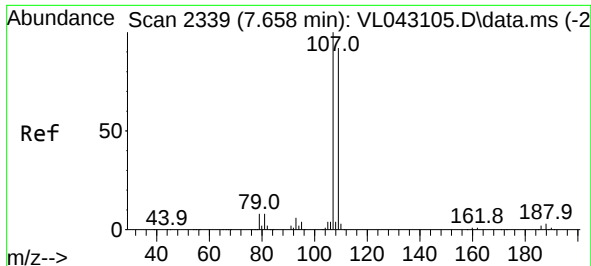
Tgt Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
58 47.0 40.4 60.6
98 0.5 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.274 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 164 Resp: 2574
Ion Ratio Lower Upper
164 100
166 107.9 97.6 146.4
129 97.5 84.5 126.7
131 118.8 77.2 115.8#

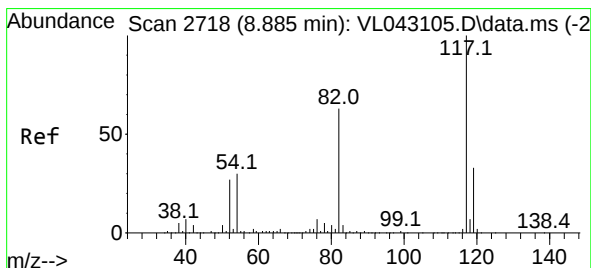
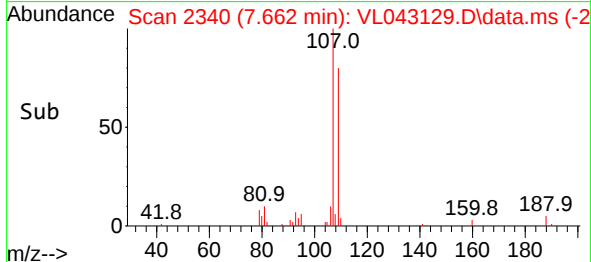
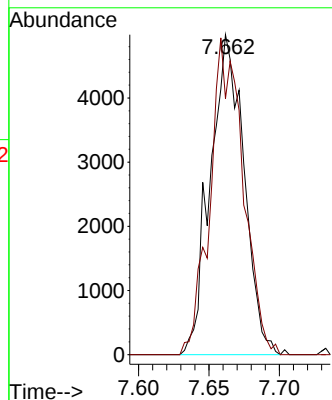
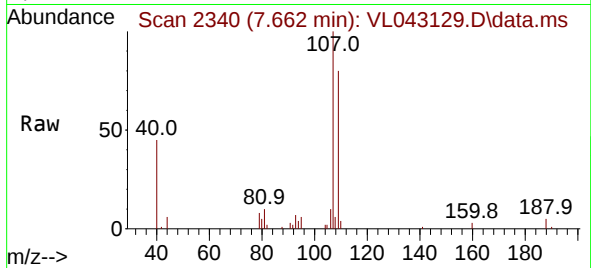




#54
1,2-Dibromoethane
Concen: 0.514 ppbv
RT: 7.662 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

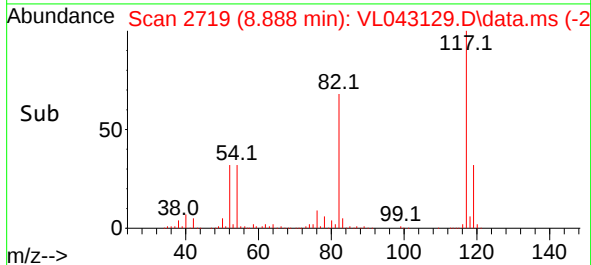
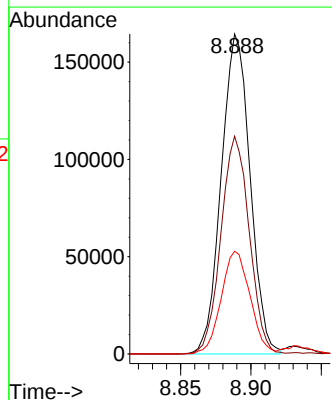
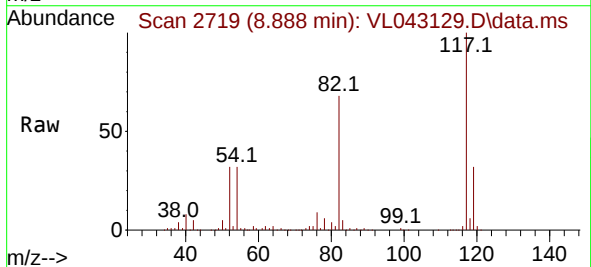
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

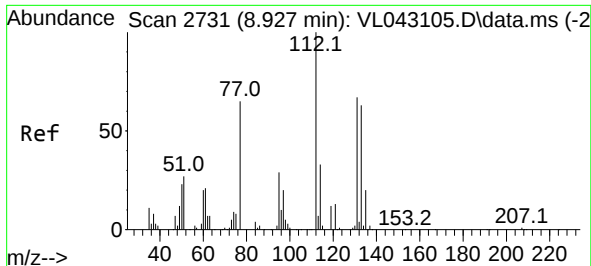
Tgt Ion:107 Resp: 8280
Ion Ratio Lower Upper
107 100
109 80.1 73.4 110.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:117 Resp: 234499
Ion Ratio Lower Upper
117 100
82 67.1 53.8 80.8
119 34.4 25.4 38.0

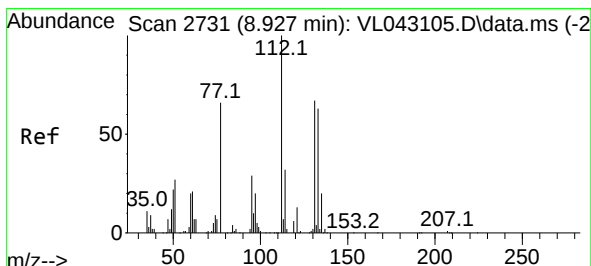
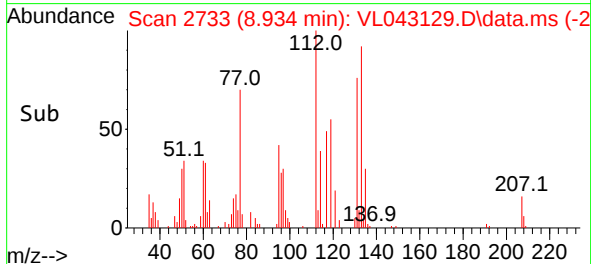
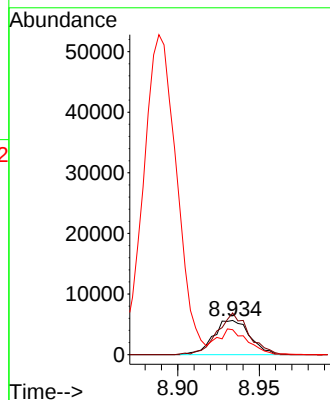
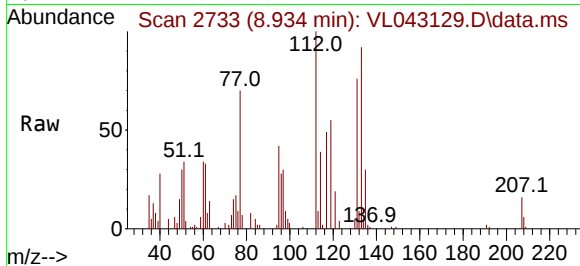




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.593 ppbv
 RT: 8.934 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

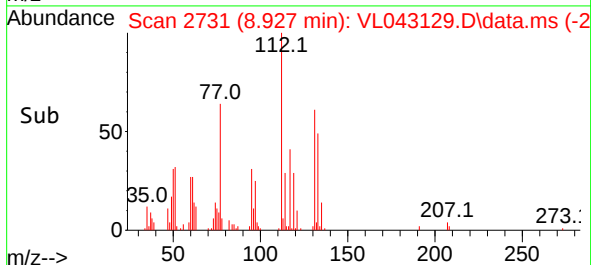
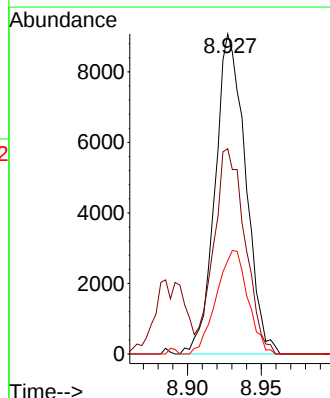
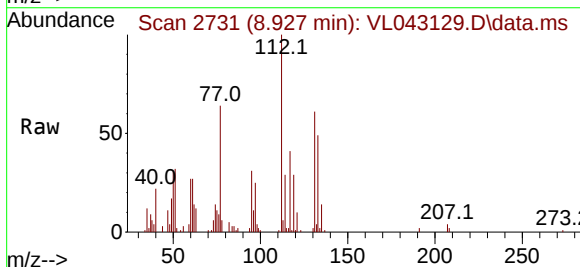
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

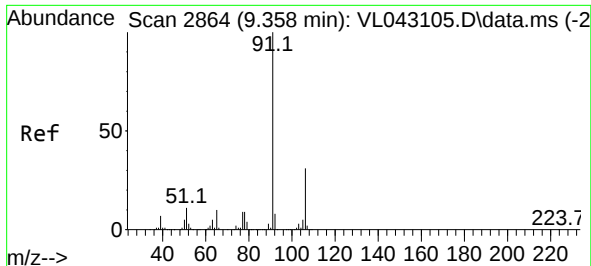
Tgt Ion:131 Resp: 8771
 Ion Ratio Lower Upper
 131 100
 133 105.3 75.7 113.5
 119 920.2 50.6 76.0#



#57
 Chlorobenzene
 Concen: 0.594 ppbv
 RT: 8.927 min Scan# 2731
 Delta R.T. 0.000 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion:112 Resp: 13025
 Ion Ratio Lower Upper
 112 100
 77 64.2 53.3 79.9
 114 31.4 29.3 35.8





#58

Ethyl Benzene

Concen: 0.492 ppbv

RT: 9.358 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

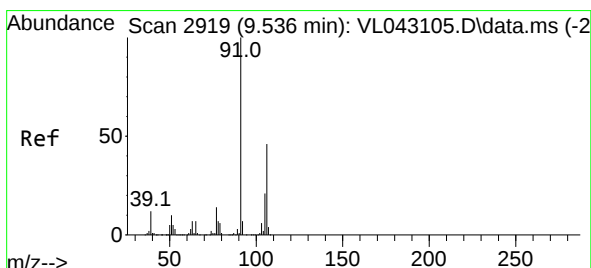
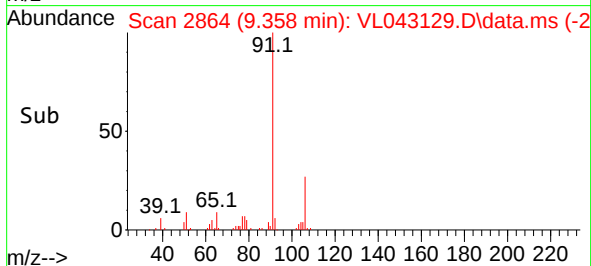
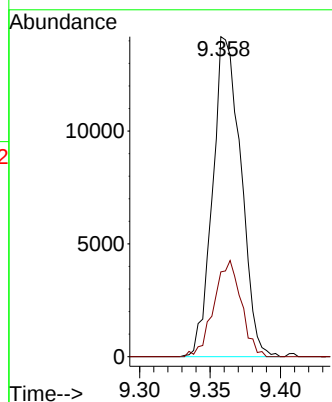
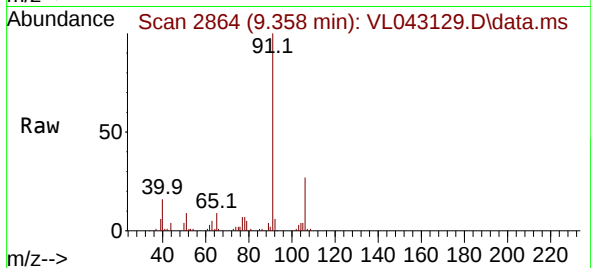
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 19790

Ion Ratio Lower Upper

91 100

106 26.5 24.8 37.2



#59

m/p-Xylene

Concen: 0.360 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VL043129.D

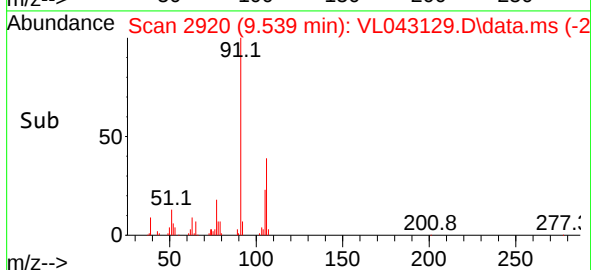
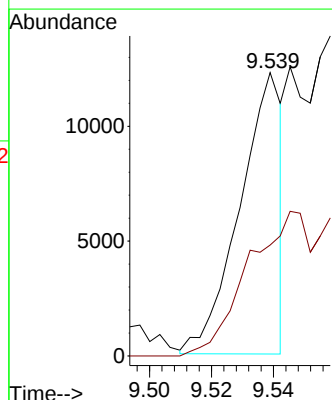
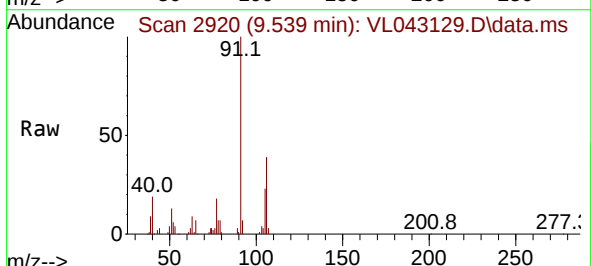
Acq: 16 Oct 2025 13:49

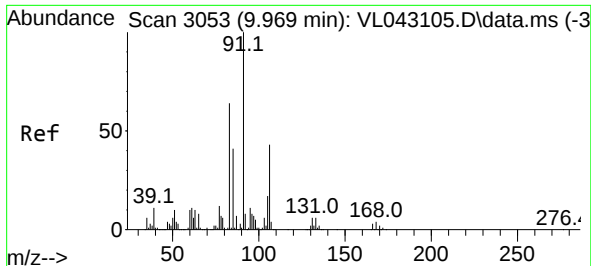
Tgt Ion: 91 Resp: 11565

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#

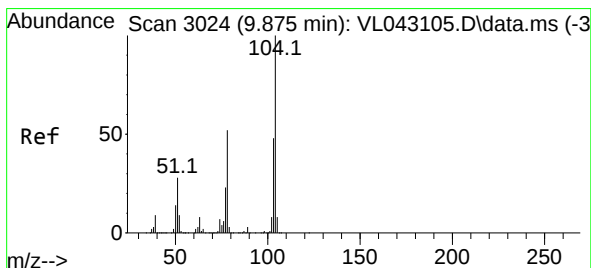
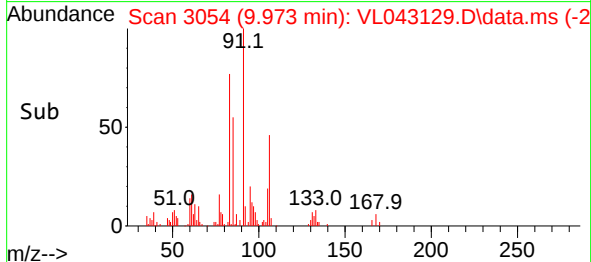
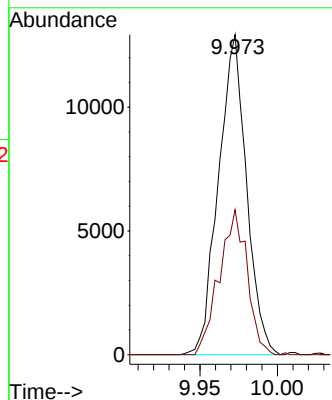
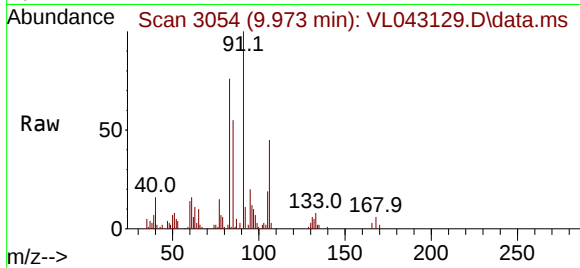




#60
o-Xylene
Concen: 0.512 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

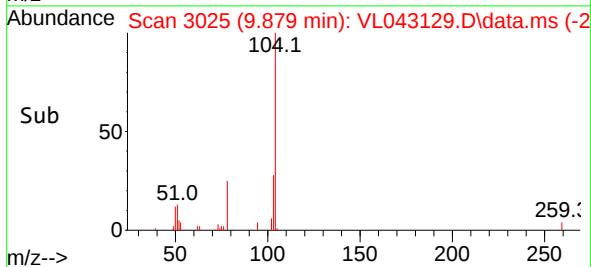
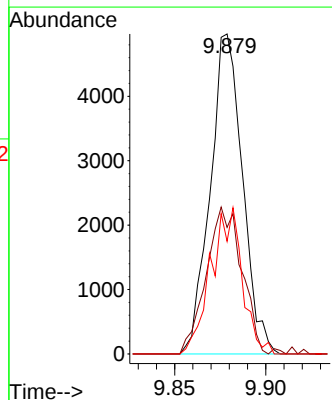
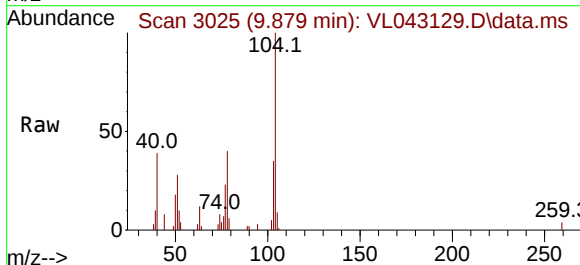
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

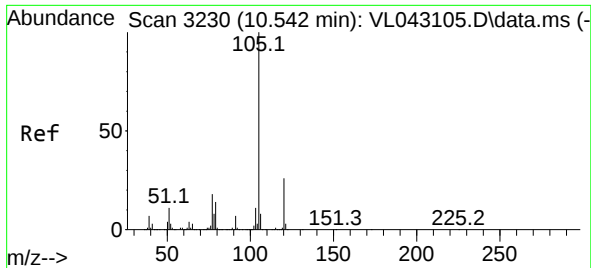
Tgt Ion: 91 Resp: 16236
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.8



#61
Styrene
Concen: 0.429 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 104 Resp: 6135
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.2
103 44.2 36.9 55.3

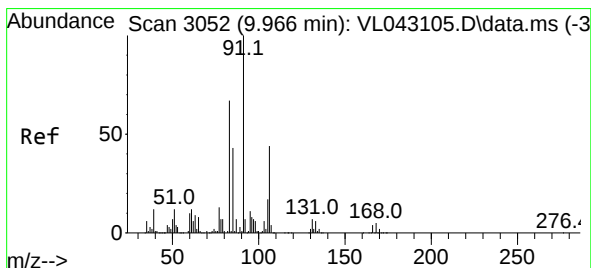
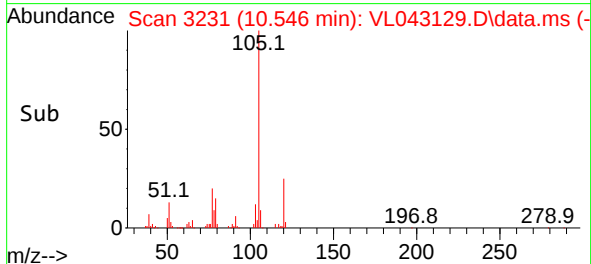
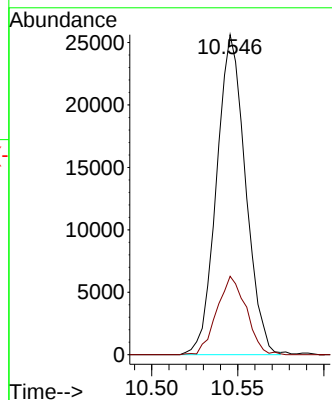
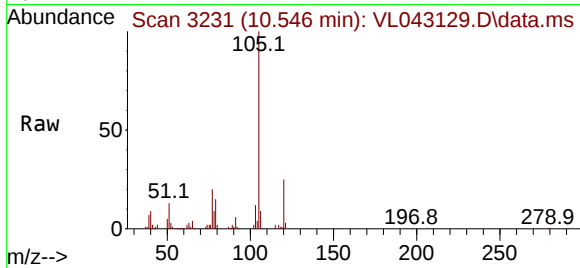




#62
Isopropylbenzene
Concen: 0.524 ppbv
RT: 10.546 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

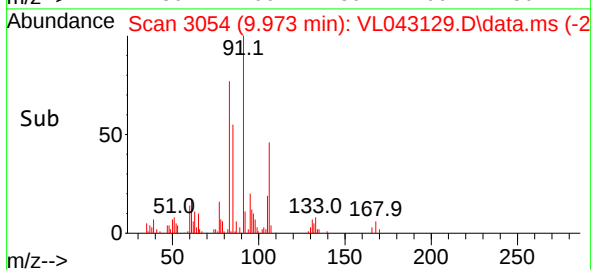
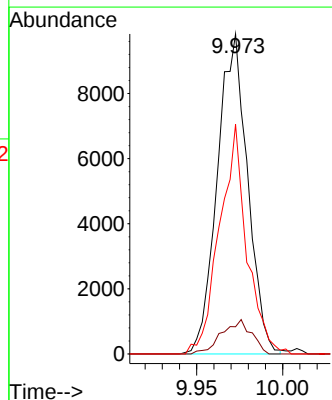
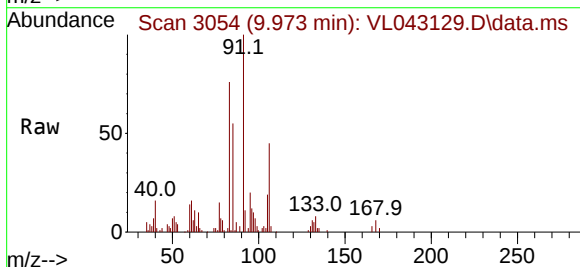
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

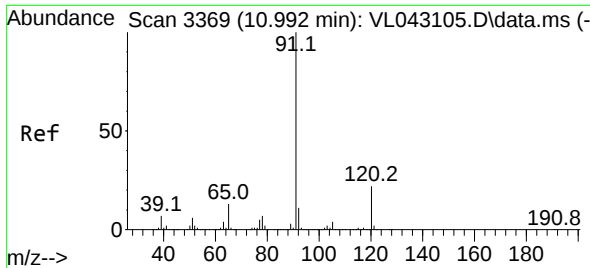
Tgt Ion:105 Resp: 30024
Ion Ratio Lower Upper
105 100
120 24.8 20.2 30.4



#63
1,1,2,2-Tetrachloroethane
Concen: 0.567 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 83 Resp: 12033
Ion Ratio Lower Upper
83 100
131 10.5 4.8 14.3
85 64.5 32.0 96.0

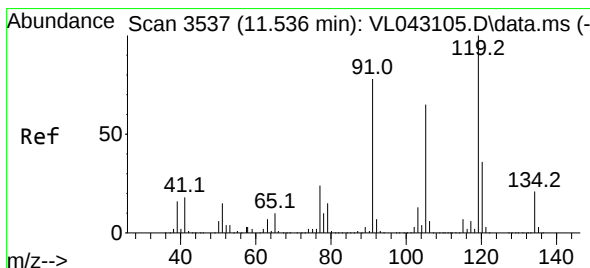
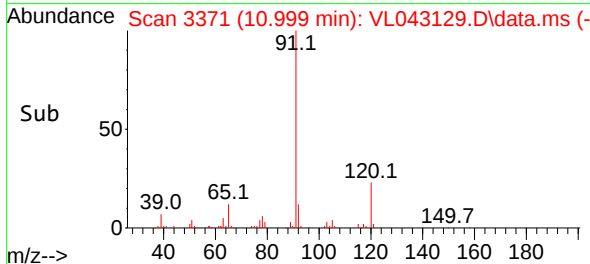
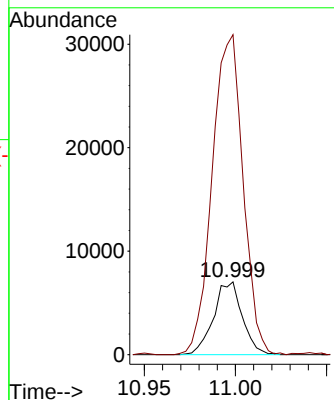
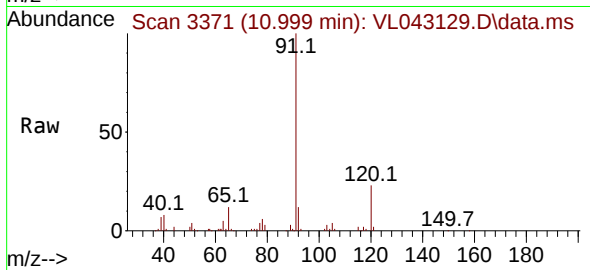




#64
n-propylbenzene
Concen: 0.508 ppbv
RT: 10.999 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

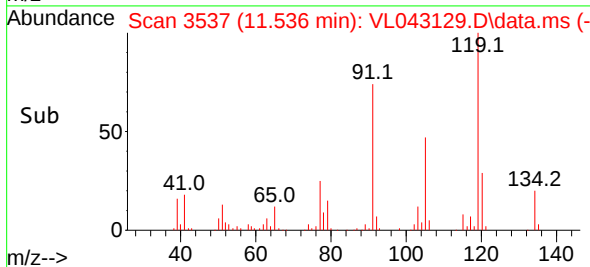
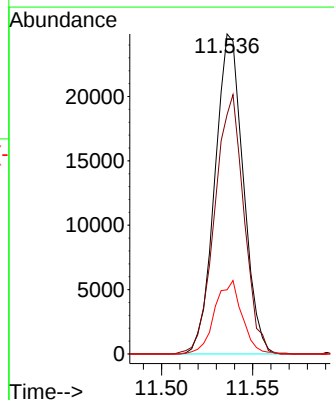
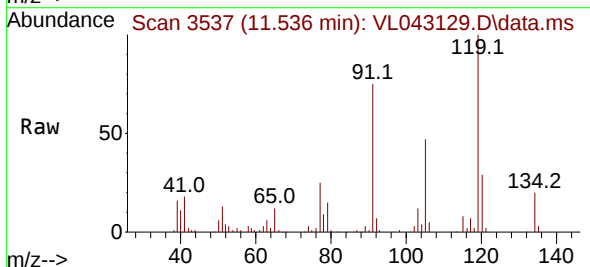
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

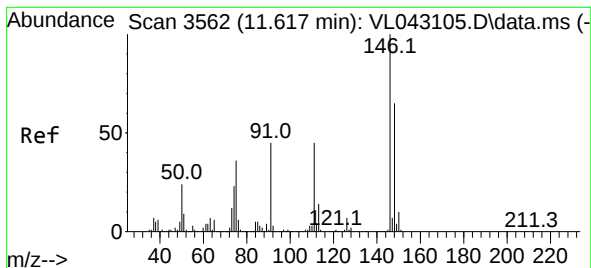
Tgt Ion:120 Resp: 7706
Ion Ratio Lower Upper
120 100
91 473.7 361.6 542.4



#65
tert-Butylbenzene
Concen: 0.533 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:119 Resp: 26966
Ion Ratio Lower Upper
119 100
91 83.1 63.4 95.0
134 22.0 17.3 25.9





#66

Benzyl Chloride

Concen: 0.347 ppbv

RT: 11.623 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

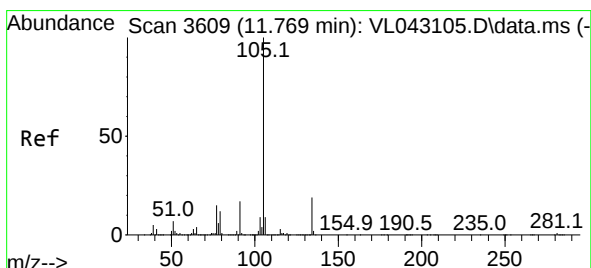
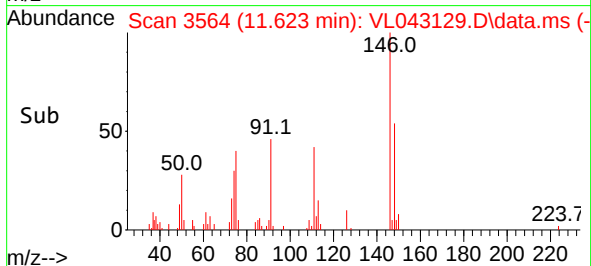
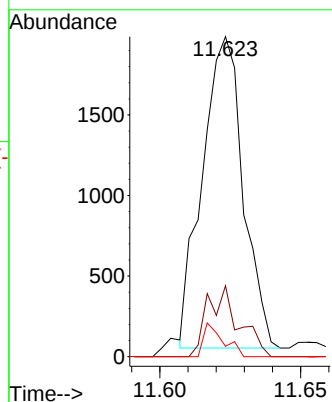
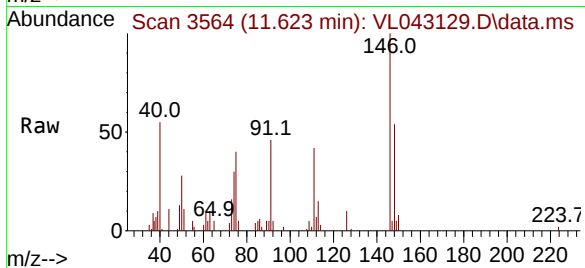
Tgt Ion: 91 Resp: 1953

Ion Ratio Lower Upper

91 100

126 17.5 14.6 22.0

128 5.1 4.6 6.8



#67

sec-Butylbenzene

Concen: 0.545 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.007 min

Lab File: VL043129.D

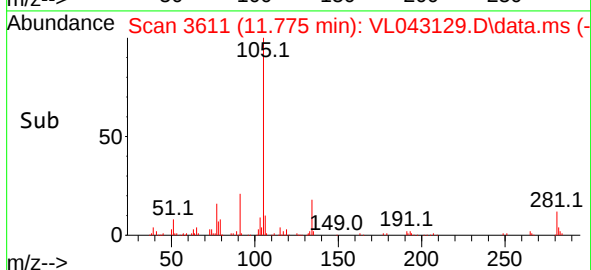
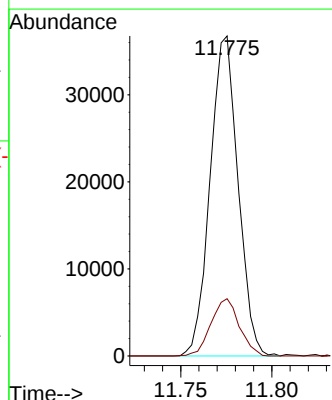
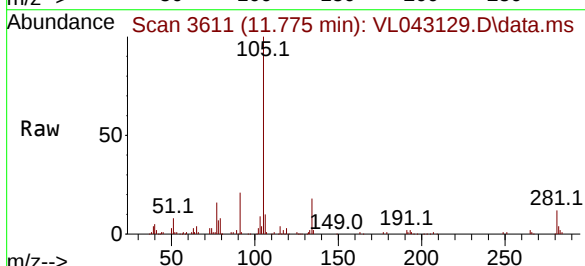
Acq: 16 Oct 2025 13:49

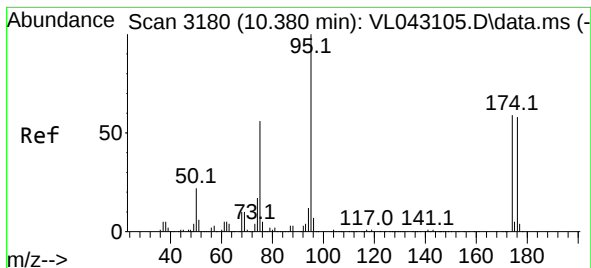
Tgt Ion: 105 Resp: 39165

Ion Ratio Lower Upper

105 100

134 18.1 15.5 23.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.572 ppbv

RT: 10.384 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

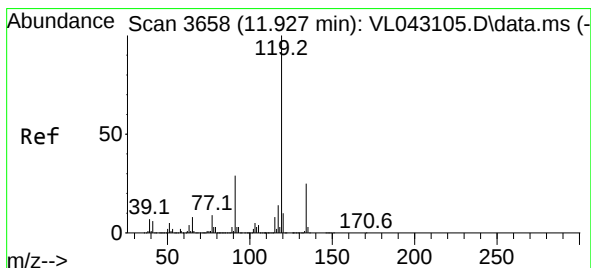
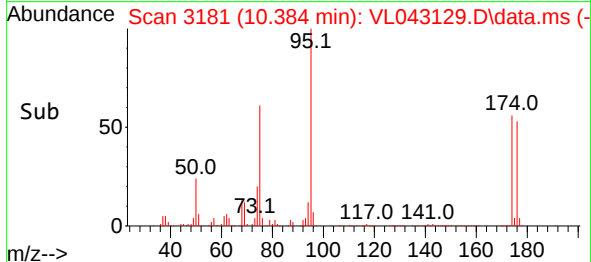
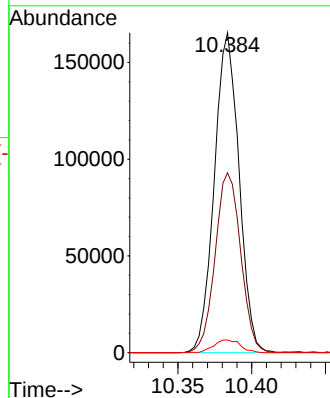
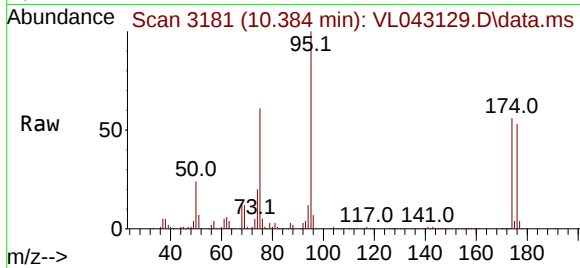
Tgt Ion: 95 Resp: 192699

Ion Ratio Lower Upper

95 100

174 58.3 48.3 72.5

175 4.3 3.8 5.8



#69

p-Isopropyltoluene

Concen: 0.519 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

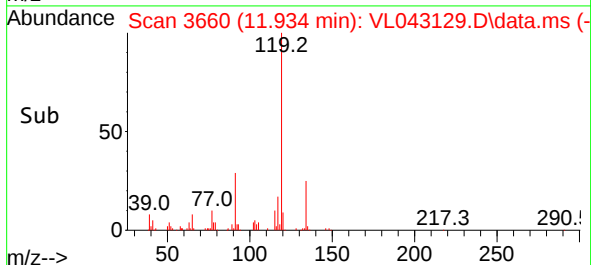
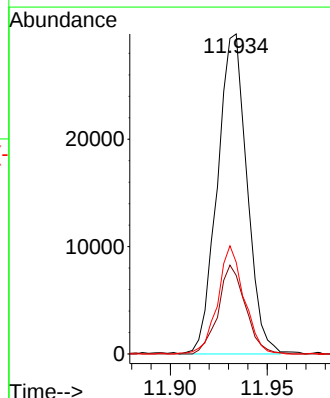
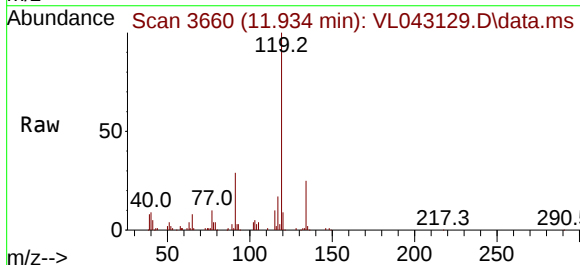
Tgt Ion: 119 Resp: 31693

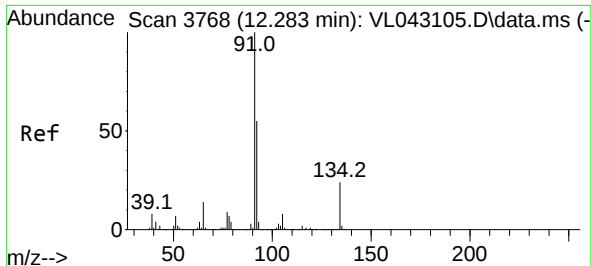
Ion Ratio Lower Upper

119 100

134 25.5 20.3 30.5

91 30.2 22.6 33.8

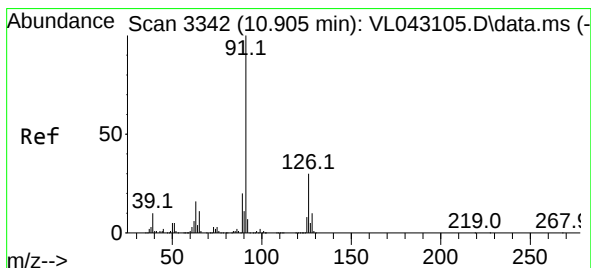
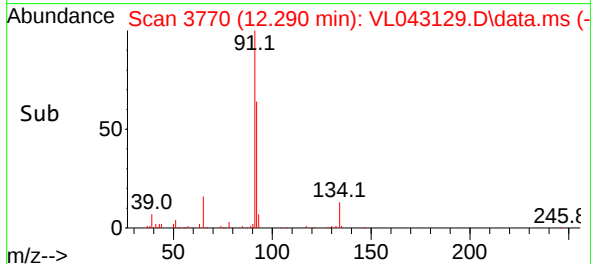
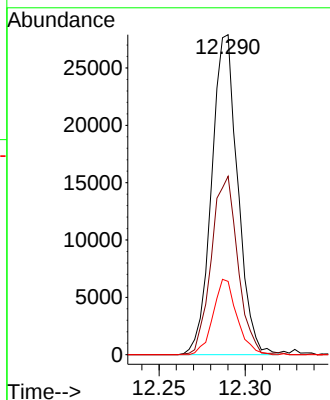
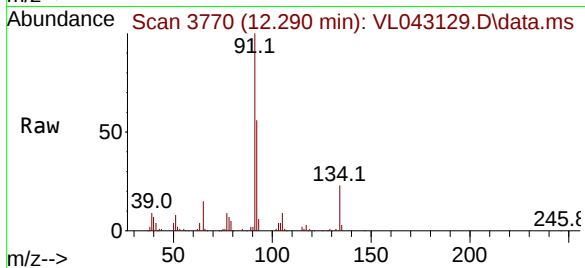




#70
n-Butylbenzene
Concen: 0.490 ppbv
RT: 12.290 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

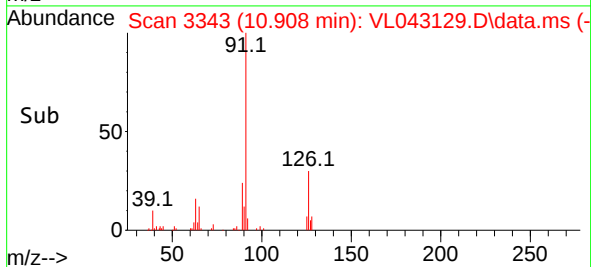
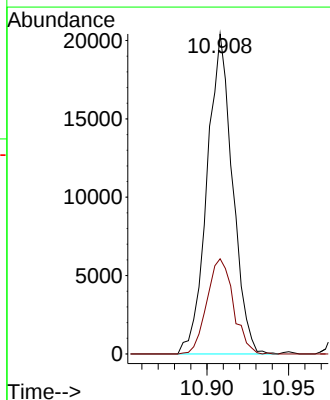
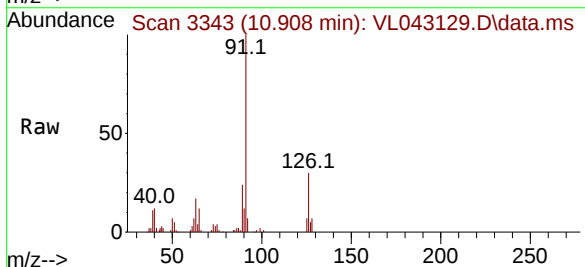
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

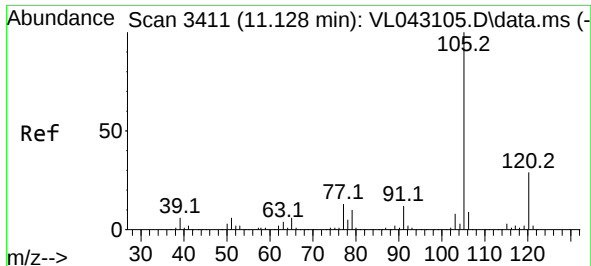
Tgt Ion:	91	Resp:	29488
Ion	Ratio	Lower	Upper
91	100		
92	56.3	44.5	66.7
134	21.6	19.3	28.9



#71
2-Chlorotoluene
Concen: 0.508 ppbv
RT: 10.908 min Scan# 3343
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:	91	Resp:	22193
Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.0	48.0

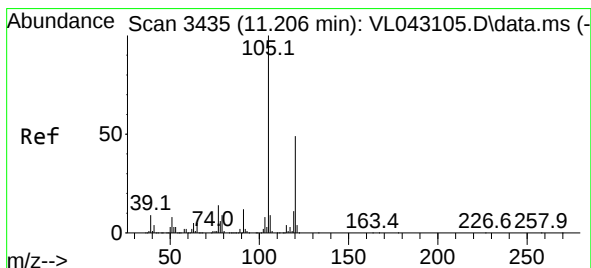
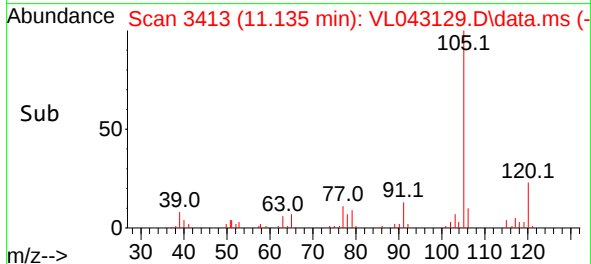
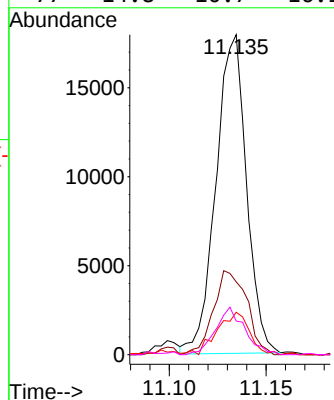
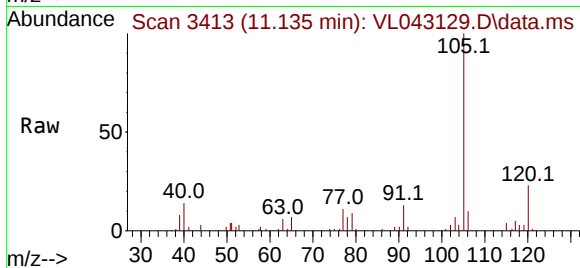




#72
4-Ethyltoluene
Concen: 0.504 ppbv
RT: 11.135 min Scan# 3411
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

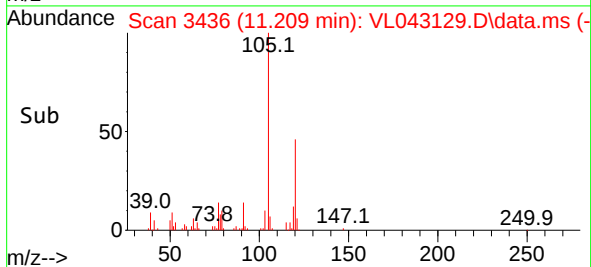
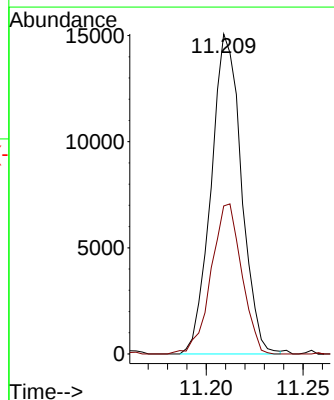
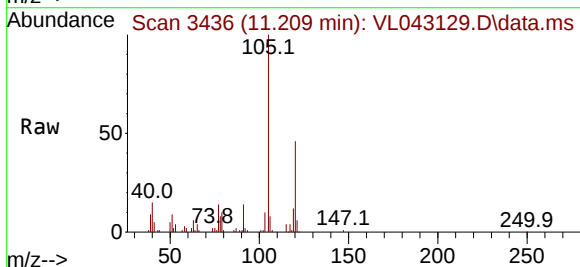
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

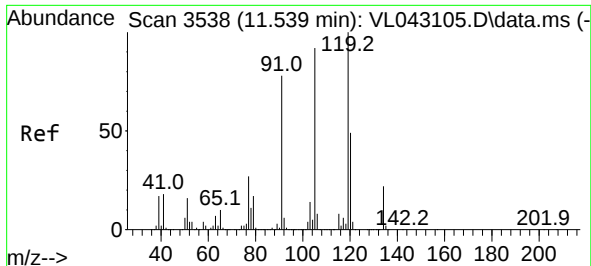
Tgt Ion:105	Resp:	19639
Ion Ratio	Lower	Upper
105	100	
120	30.2	24.2 36.4
91	15.5	10.0 15.0#
77	14.8	10.7 16.1



#73
1,3,5-Trimethylbenzene
Concen: 0.511 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:105	Resp:	16421
Ion Ratio	Lower	Upper
105	100	
120	46.3	39.0 58.6

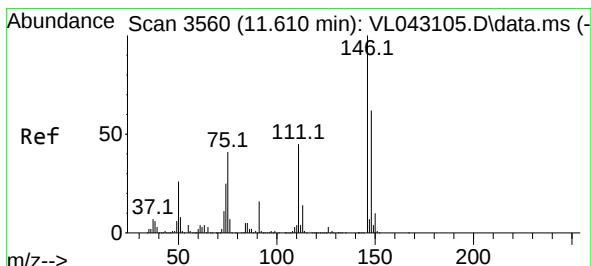
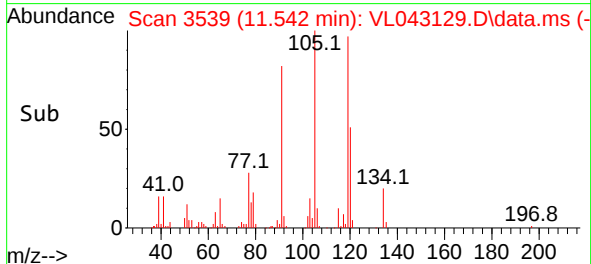
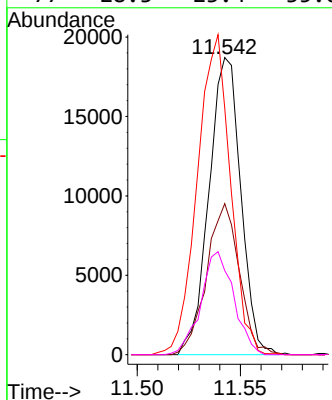
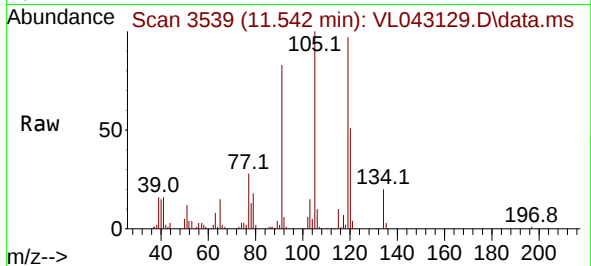




#74
1,2,4-Trimethylbenzene
Concen: 0.558 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

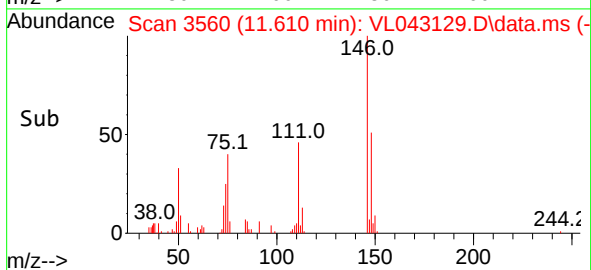
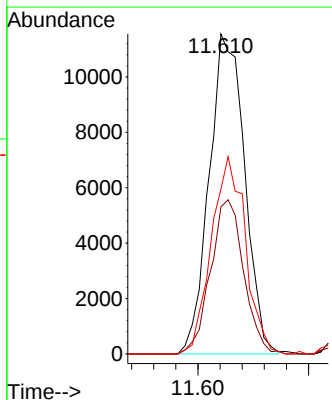
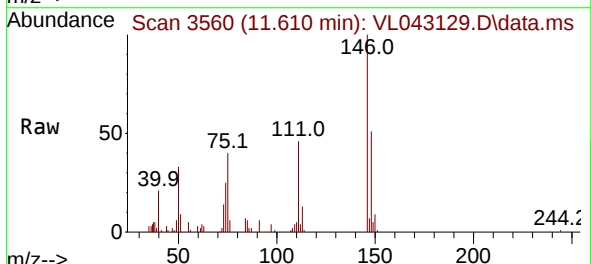
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

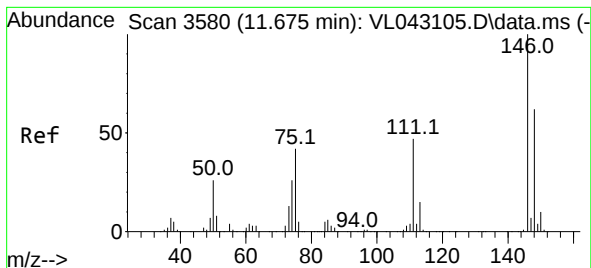
Tgt Ion:	105	Resp:	20091
Ion Ratio	Lower	Upper	
105	100		
120	50.3	42.8	64.2
91	82.6	68.3	102.5
77	28.3	23.4	35.0



#75
1,3-Dichlorobenzene
Concen: 0.615 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:	146	Resp:	12829
Ion Ratio	Lower	Upper	
146	100		
111	45.1	23.3	69.9
148	59.3	31.6	95.0





#76

1,4-Dichlorobenzene

Concen: 0.556 ppbv

RT: 11.678 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

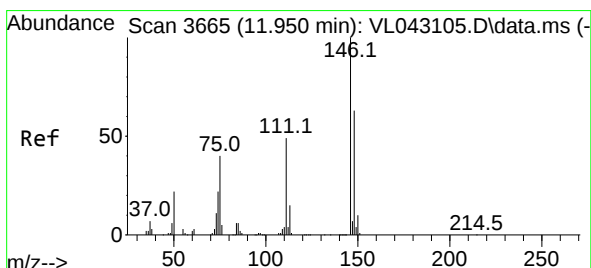
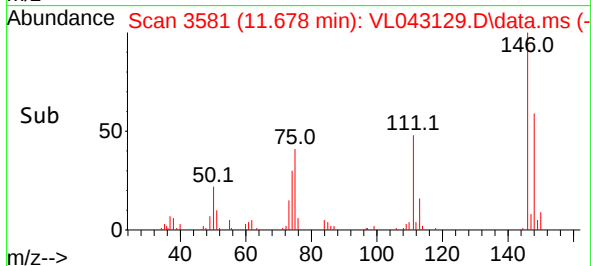
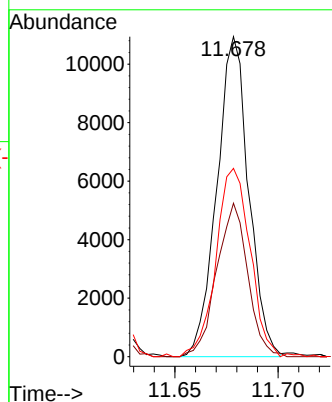
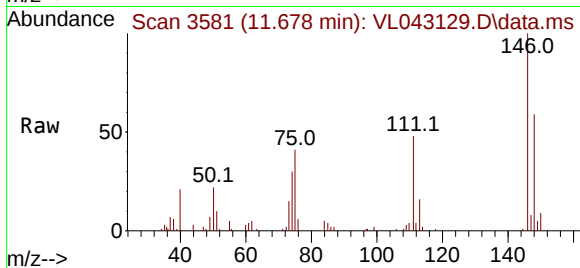
Tgt Ion:146 Resp: 11708

Ion Ratio Lower Upper

146 100

111 46.8 22.4 67.0

148 63.4 31.6 94.7



#77

1,2-Dichlorobenzene

Concen: 0.597 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

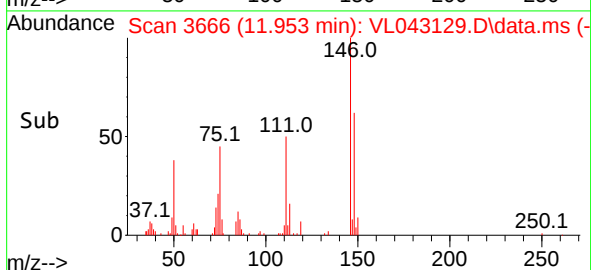
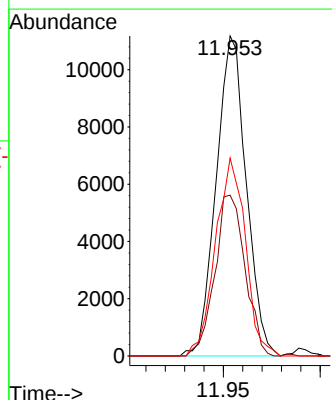
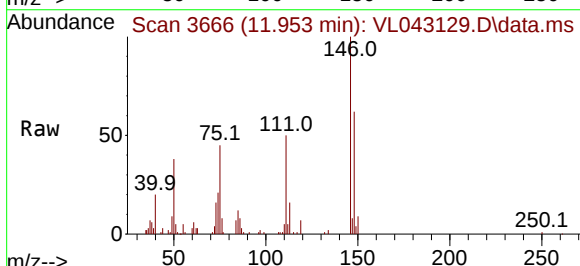
Tgt Ion:146 Resp: 12055

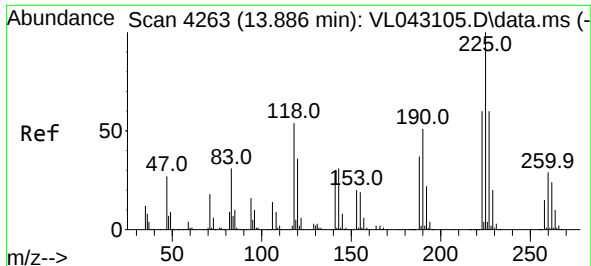
Ion Ratio Lower Upper

146 100

111 50.8 24.0 72.0

148 61.6 31.1 93.3

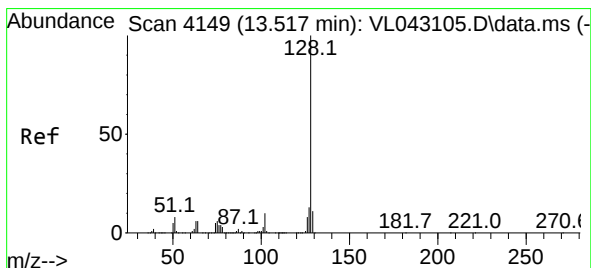
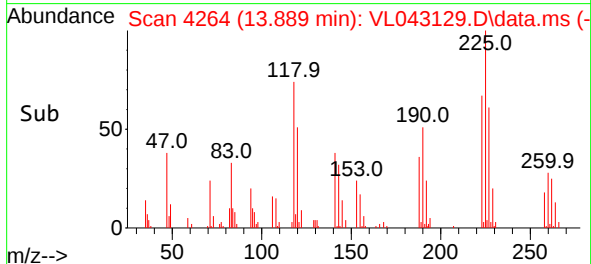
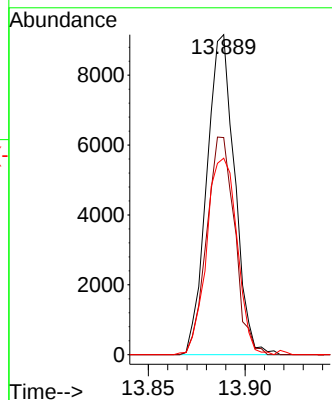
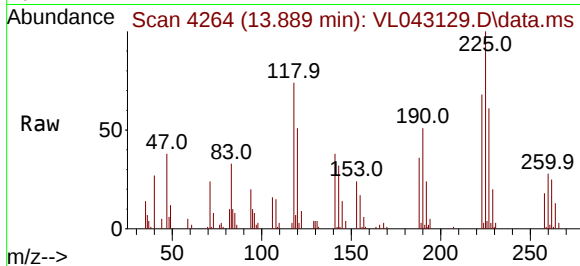




#78
Hexachloro-1,3-Butadiene
Concen: 0.588 ppbv
RT: 13.889 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

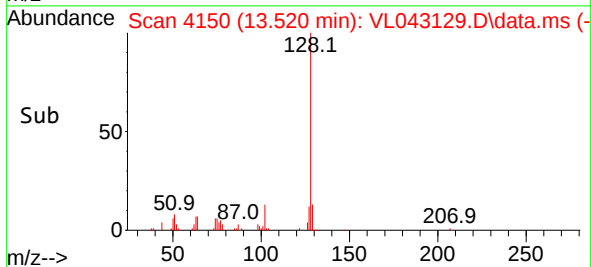
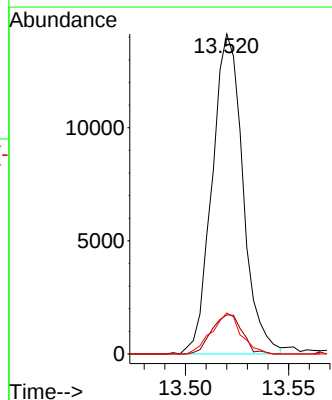
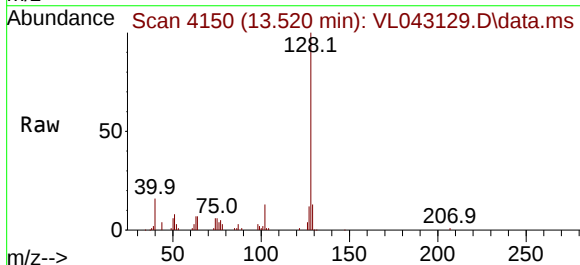
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

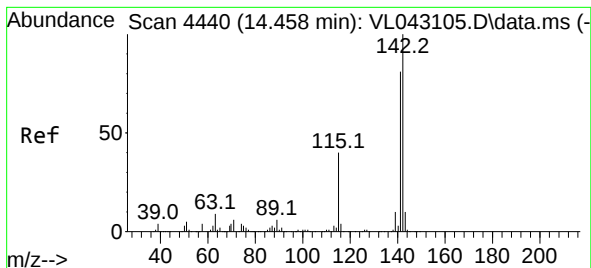
Tgt Ion:	225	Resp:	9193
Ion Ratio	Lower	Upper	
225	100		
223	68.4	50.2	75.4
227	67.4	49.6	74.4



#79
Naphthalene
Concen: 0.391 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:	128	Resp:	14690
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.5	15.7
129	12.8	9.1	13.7





#80

Naphthalene, 2-methyl-

Concen: 0.267 ppbv

RT: 14.468 min Scan# 4440

Delta R.T. 0.010 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

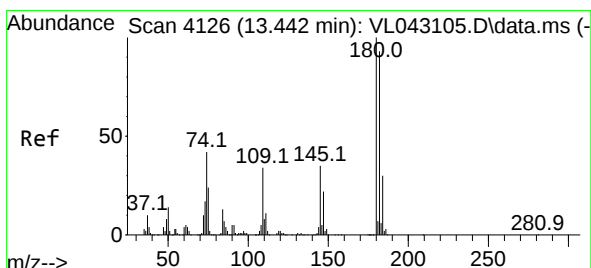
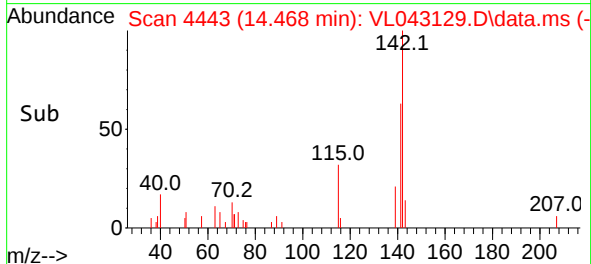
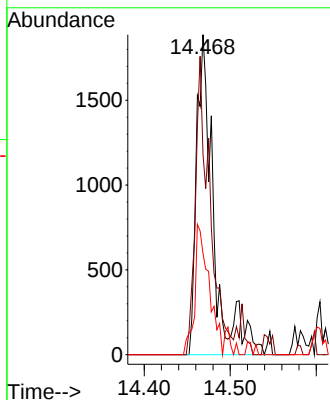
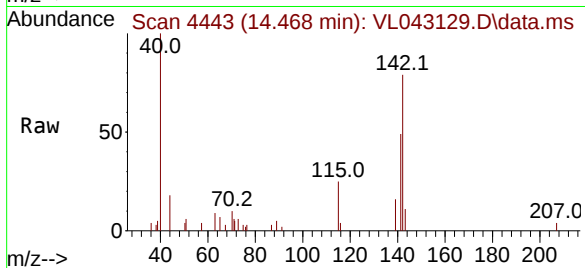
Tgt Ion:142 Resp: 2620

Ion Ratio Lower Upper

142 100

141 83.9 64.6 97.0

115 37.9 30.2 45.4



#81

1,2,4-Trichlorobenzene

Concen: 0.416 ppbv

RT: 13.446 min Scan# 4127

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion:180 Resp: 6487

Ion Ratio Lower Upper

180 100

182 97.1 75.5 113.3

184 29.7 23.9 35.9

