

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042612.D
 Acq On : 03 Jun 2025 15:45
 Operator : SY/MD
 Sample : Q2126-14 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Quant Time: Jun 04 01:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	97001	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	257135	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	230915	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	173651	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	486	0.041	ppbv	96
3) Chlorodifluoromethane	1.473	51	2473	0.151	ppbv	93
4) Chloromethane	1.531	50	152	0.032	ppbv #	82
5) Vinyl Chloride	1.576	62	203	0.042	ppbv #	75
6) Bromomethane	1.667	94	114	0.049	ppbv #	46
7) Chloroethane	1.699	64	55	0.029	ppbv #	89
8) Dichlorotetrafluoroethane	1.554	85	279	0.028	ppbv	97
9) Propene	1.479	41	387	0.059	ppbv	97
10) Heptane	4.975	43	325	0.017	ppbv #	28
11) Trichlorofluoromethane	1.874	101	515	0.046	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.437	101	33	0.004	ppbv	97
13) Ethanol	1.887	45	559	0.709	ppbv #	39
14) Bromoethene	1.777	108	90	0.027	ppbv #	1
15) Acetone	1.835	43	1200	0.103	ppbv	98
16) 1,3-Butadiene	1.606	39	315	0.057	ppbv #	82
17) tert-Butyl alcohol	2.043	59	544	0.045	ppbv #	85
18) 1,1-Dichloroethene	2.033	96	78	0.019	ppbv #	69
19) Isopropyl Alcohol	1.887	45	559	0.080	ppbv #	47
20) Methylene Chloride	2.059	84	803	0.208	ppbv #	66
21) Allyl Chloride	2.098	41	518	0.063	ppbv #	27
22) trans-1,2-Dichloroethene	2.334	96	256	0.057	ppbv #	81
23) Vinyl Acetate	2.460	43	513	0.032	ppbv #	59
24) 1,1-Dichloroethane	2.405	63	472	0.051	ppbv #	89
25) Ethyl Acetate	2.836	43	1051	0.033	ppbv #	81
26) Hexane	2.823	57	410	0.028	ppbv #	1
27) Carbon Disulfide	2.146	76	440	0.039	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	208	0.035	ppbv #	76
29) Chloroform	2.845	83	784	0.041	ppbv	96
30) Cyclohexane	3.862	84	306	0.025	ppbv #	70
31) cis-1,2-Dichloroethene	2.719	61	312	0.023	ppbv	89
32) 1,1,1-Trichloroethane	3.363	97	397	0.021	ppbv #	39
34) 2-Butanone	2.557	43	488	0.027	ppbv #	54
35) Carbon Tetrachloride	3.742	117	45	0.003	ppbv	89
36) Benzene	3.651	78	573	0.023	ppbv #	82
37) 1,2-Dichloroethane	3.211	62	305	0.024	ppbv #	78
38) Trichloroethene	4.544	130	156	0.014	ppbv #	53
39) 1,2-Dichloropropane	3.952	63	65668	7.013	ppbv #	23
40) 1,4-Dioxane	4.616	88	75	0.018	ppbv #	20
41) Tetrahydrofuran	3.062	42	76	0.007	ppbv #	39
42) Bromodichloromethane	4.489	83	205	0.011	ppbv #	58
43) Methyl Methacrylate	4.878	69	148	0.015	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	450	0.010	ppbv #	1
45) t-1,3-Dichloropropene	6.402	75	87	0.008	ppbv #	18

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

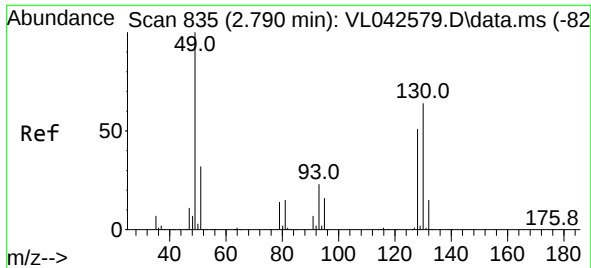
Quant Time: Jun 04 01:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.596	75	242	0.017	ppbv	#	64
47) 1,1,2-Trichloroethane	6.574	97	124	0.013	ppbv	#	31
48) Dibromochloromethane	7.380	129	112	0.007	ppbv	#	1
49) Bromoform	9.474	173	121	0.009	ppbv	#	27
50) 4-Methyl-2-Pentanone	5.761	43	73	0.003	ppbv	#	39
51) 2-Hexanone	7.422	43	69	0.003	ppbv	#	28
52) Tetrachloroethene	8.208	164	25	0.003	ppbv	#	14
53) Toluene	6.923	91	348	0.012	ppbv	#	20
54) 1,2-Dibromoethane	7.668	107	94	0.007	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.927	131	104	0.009	ppbv	#	1
57) Chlorobenzene	8.924	112	660	0.029	ppbv	#	50
58) Ethyl Benzene	9.522	91	347	0.009	ppbv		89
59) m/p-Xylene	9.532	91	341	0.011	ppbv	#	1
60) o-Xylene	9.959	91	479	0.016	ppbv	#	31
61) Styrene	9.869	104	107	0.007	ppbv	#	1
62) Isopropylbenzene	10.542	105	1508	0.033	ppbv		96
63) 1,1,2,2-Tetrachloroethane	9.959	83	789	0.040	ppbv	#	84
64) n-propylbenzene	10.992	120	260	0.021	ppbv		86
65) tert-Butylbenzene	11.532	119	863	0.021	ppbv	#	72
66) Benzyl Chloride	11.610	91	55	0.010	ppbv	#	64
67) sec-Butylbenzene	11.765	105	1190	0.021	ppbv	#	68
69) p-Isopropyltoluene	11.921	119	930	0.019	ppbv	#	88
70) n-Butylbenzene	12.283	91	746	0.016	ppbv	#	91
71) 2-Chlorotoluene	10.898	91	861	0.025	ppbv		93
72) 4-Ethyltoluene	11.121	105	396	0.010	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.205	105	762	0.024	ppbv	#	52
74) 1,2,4-Trimethylbenzene	11.532	105	334	0.009	ppbv	#	74
75) 1,3-Dichlorobenzene	11.604	146	267	0.012	ppbv	#	48
76) 1,4-Dichlorobenzene	11.668	146	447	0.020	ppbv		95
77) 1,2-Dichlorobenzene	11.947	146	627	0.029	ppbv		83
78) Hexachloro-1,3-Butadiene	13.876	225	643	0.036	ppbv	#	85
79) Naphthalene	13.510	128	149	0.004	ppbv	#	69
80) Naphthalene,2-methyl-	14.471	142	10	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.439	180	218	0.012	ppbv	#	86

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

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

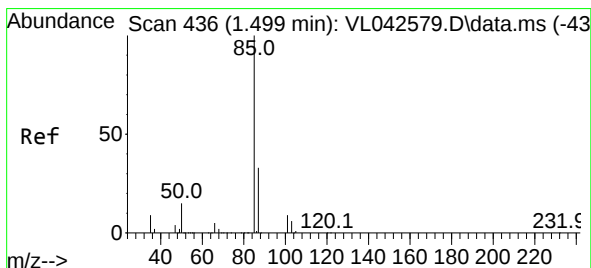
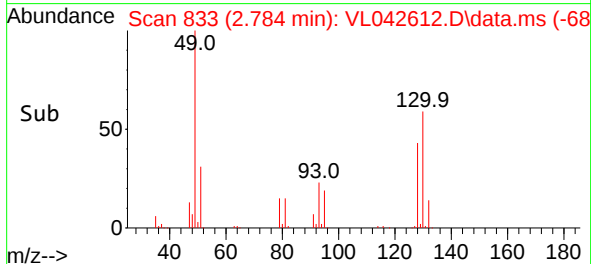
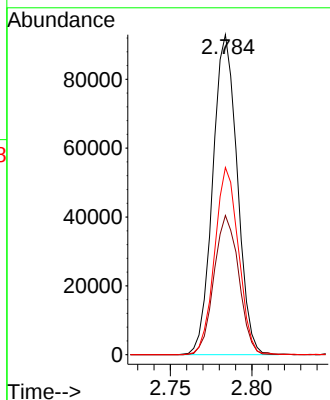
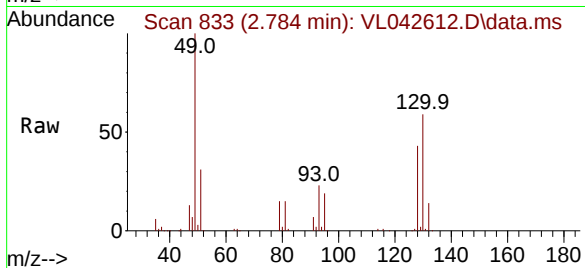
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

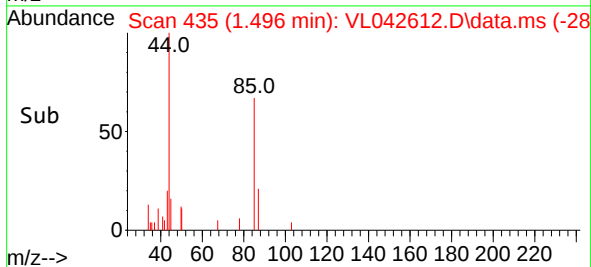
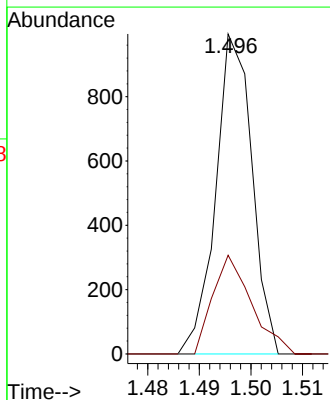
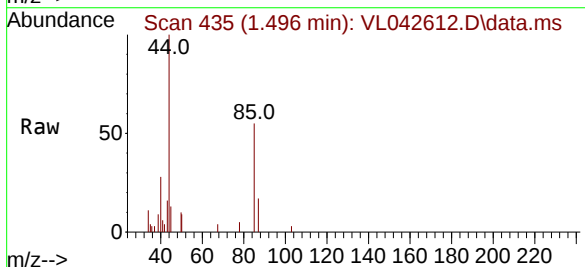
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ClientSampleId :
LOQ-AIR-02-QT2-2025

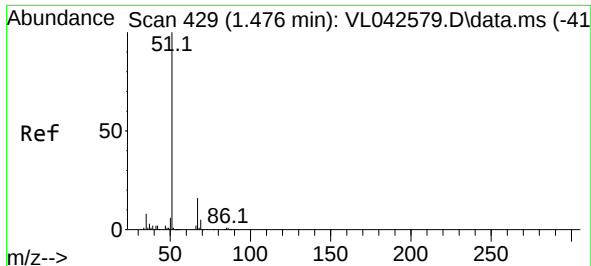
Tgt Ion: 49 Resp: 97001
Ion Ratio Lower Upper
49 100
128 44.0 24.2 72.6
130 57.1 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.041 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 85 Resp: 486
Ion Ratio Lower Upper
85 100
87 30.9 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.151 ppbv

RT: 1.473 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

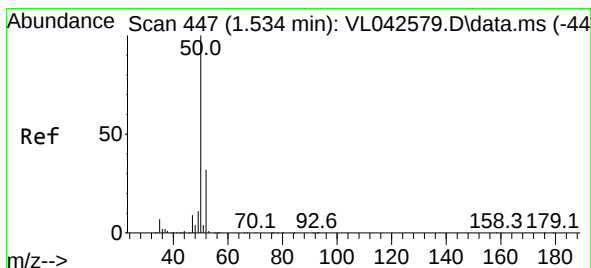
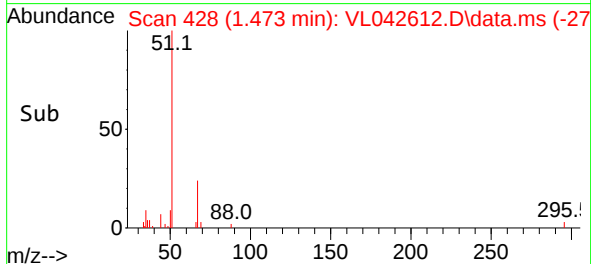
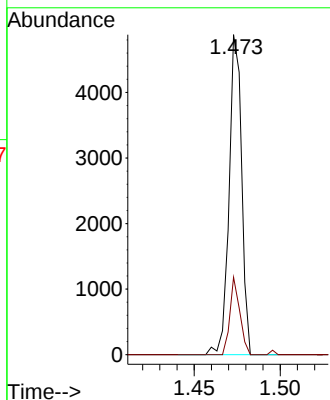
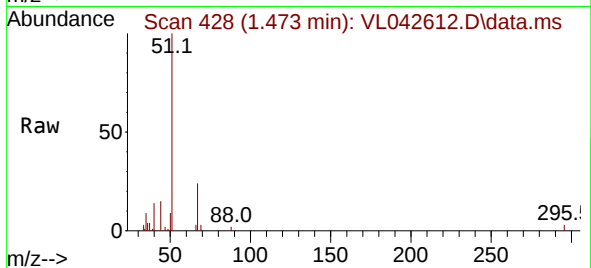
LOQ-AIR-02-QT2-2025

Tgt Ion: 51 Resp: 2473

Ion Ratio Lower Upper

51 100

67 19.7 13.4 20.2



#4

Chloromethane

Concen: 0.032 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.003 min

Lab File: VL042612.D

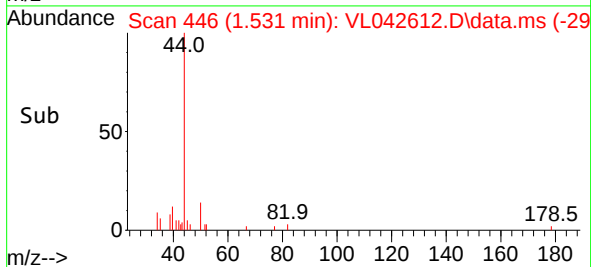
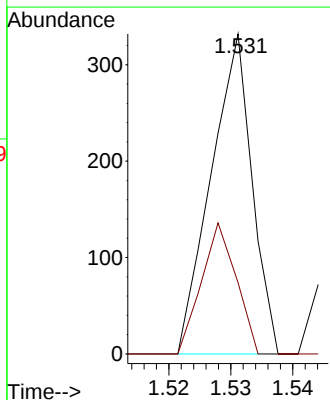
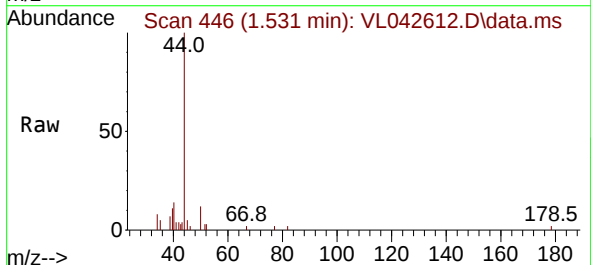
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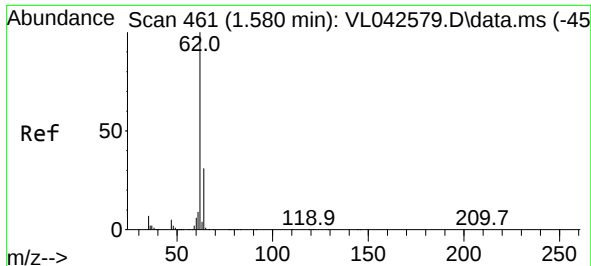
Tgt Ion: 50 Resp: 152

Ion Ratio Lower Upper

50 100

52 22.3 25.8 38.6#

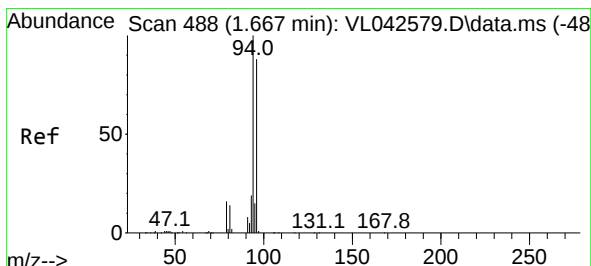
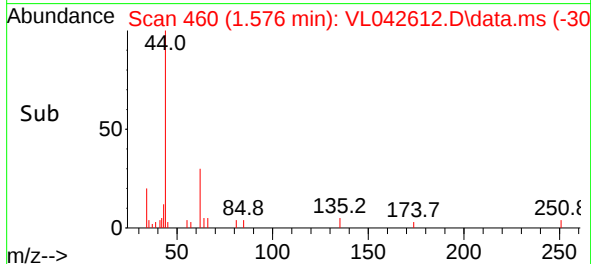
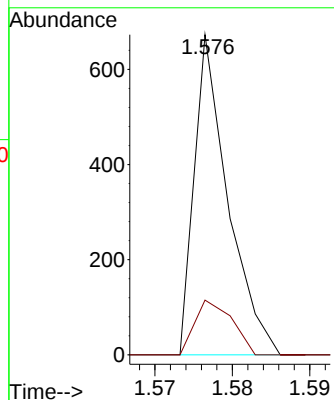
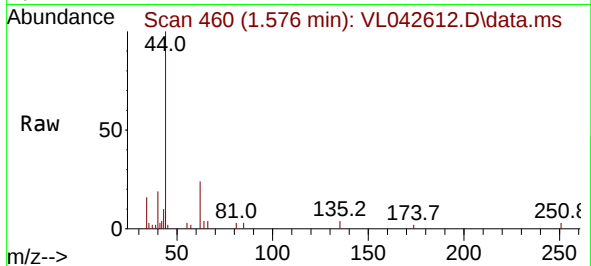




#5
 Vinyl Chloride
 Concen: 0.042 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

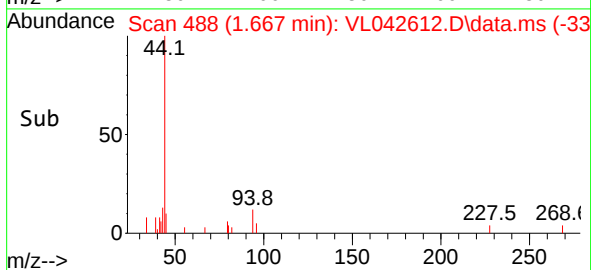
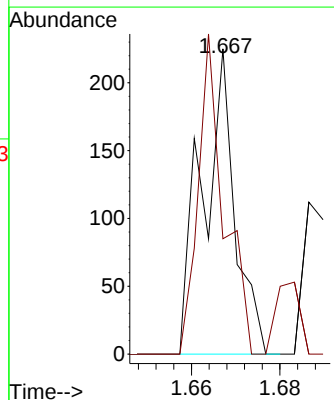
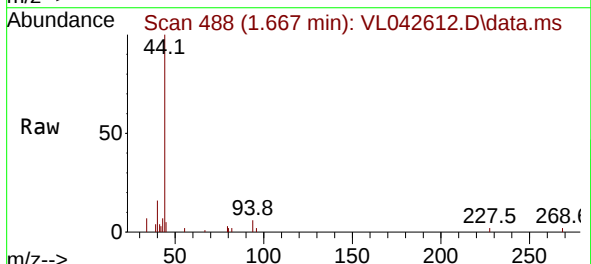
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

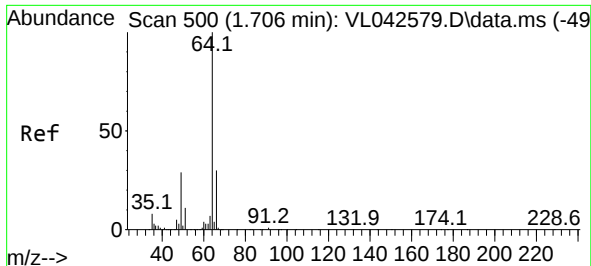
Tgt Ion: 62 Resp: 203
 Ion Ratio Lower Upper
 62 100
 64 17.1 24.9 37.3#



#6
 Bromomethane
 Concen: 0.049 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion: 94 Resp: 114
 Ion Ratio Lower Upper
 94 100
 96 37.8 70.7 106.1#

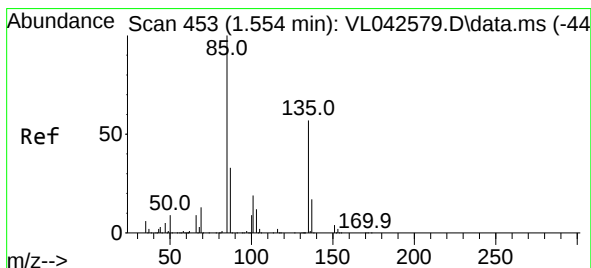
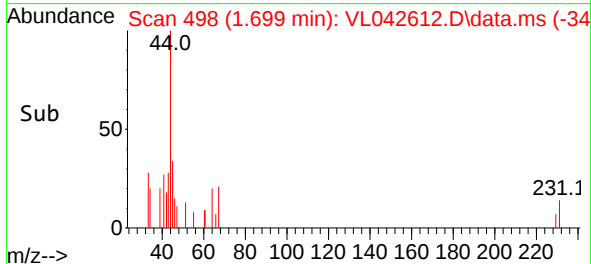
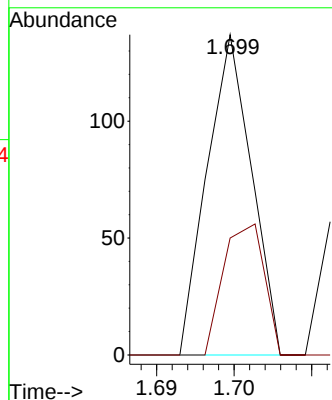
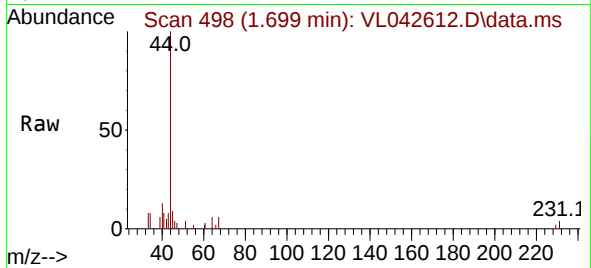




#7
Chloroethane
Concen: 0.029 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

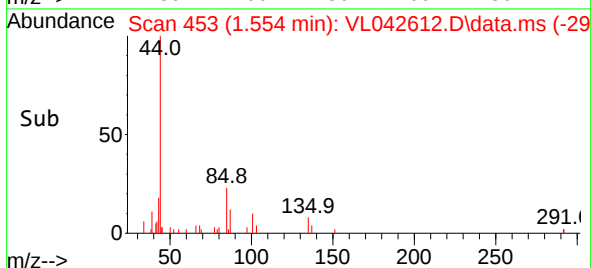
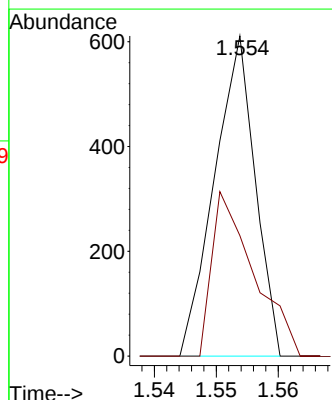
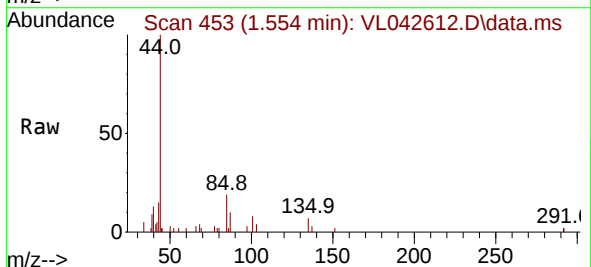
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

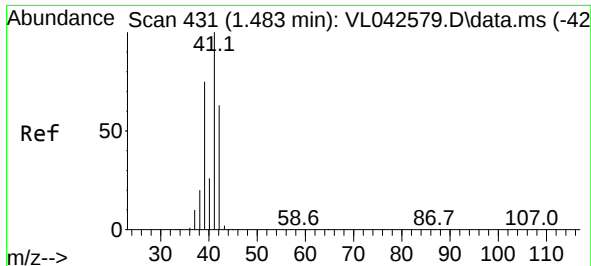
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 36.5 24.3 36.5#



#8
Dichlorotetrafluoroethane
Concen: 0.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 85 Resp: 279
Ion Ratio Lower Upper
85 100
135 60.2 50.2 75.4





#9

Propene

Concen: 0.059 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

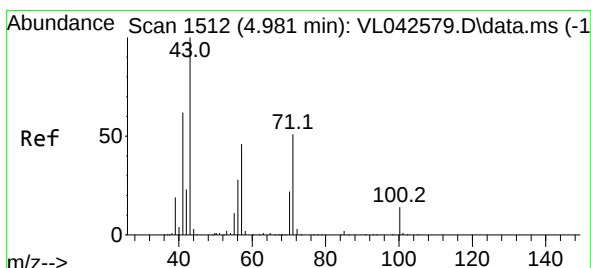
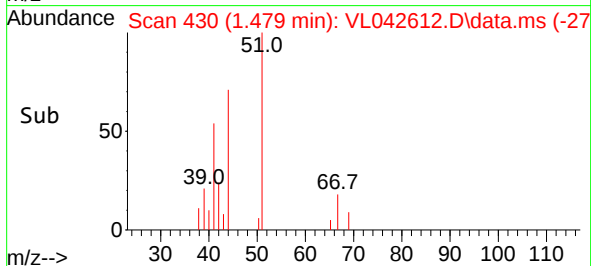
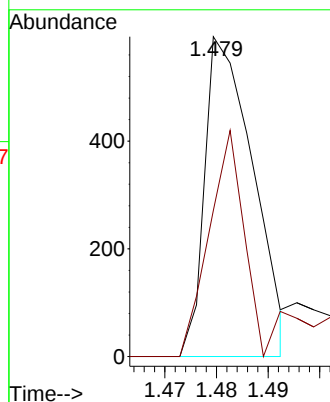
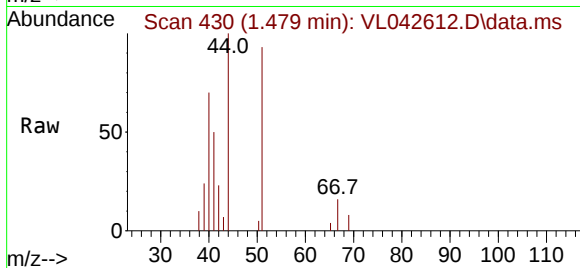
LOQ-AIR-02-QT2-2025

Tgt Ion: 41 Resp: 387

Ion Ratio Lower Upper

41 100

42 64.6 53.3 79.9



#10

Heptane

Concen: 0.017 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VL042612.D

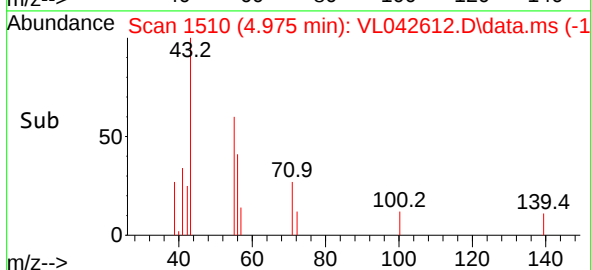
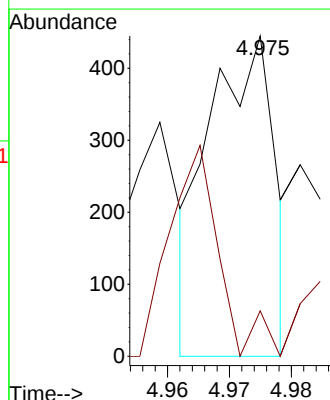
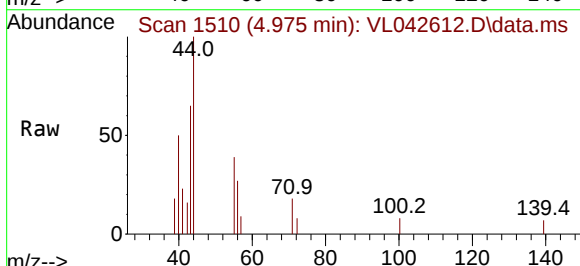
Acq: 03 Jun 2025 15:45

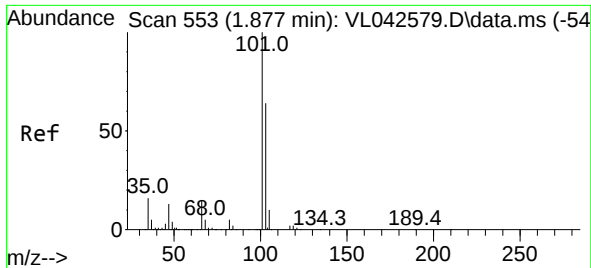
Tgt Ion: 43 Resp: 325

Ion Ratio Lower Upper

43 100

57 0.0 38.9 58.3#

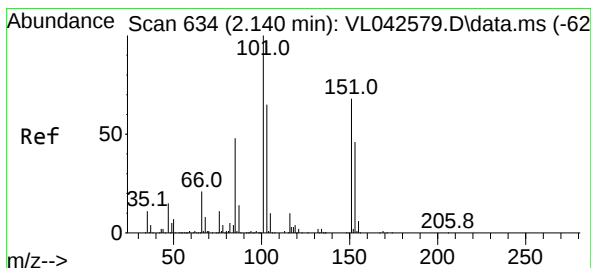
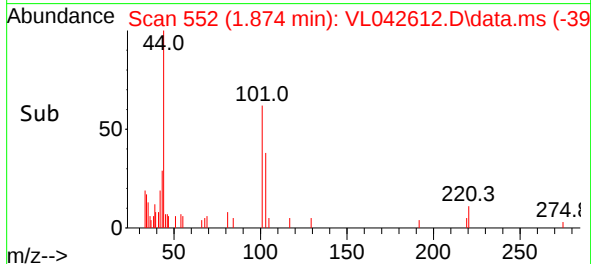
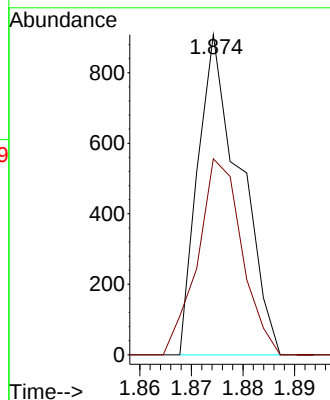
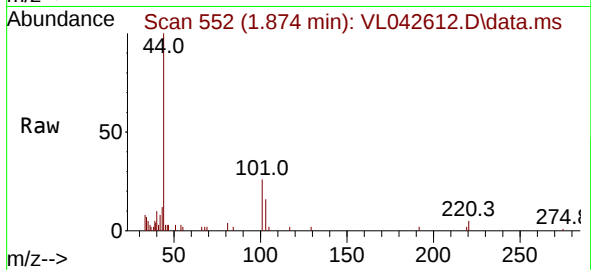




#11
 Trichlorofluoromethane
 Concen: 0.046 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

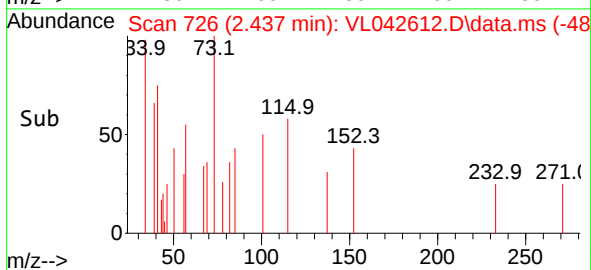
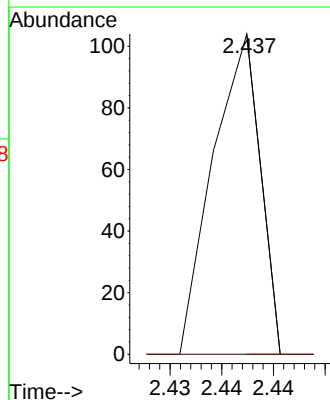
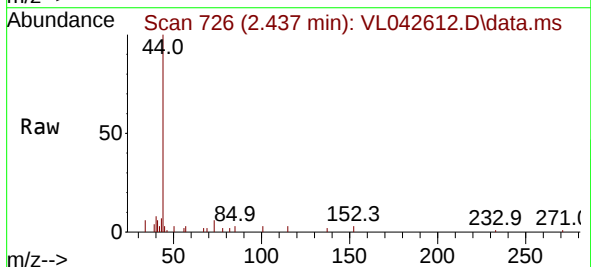
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

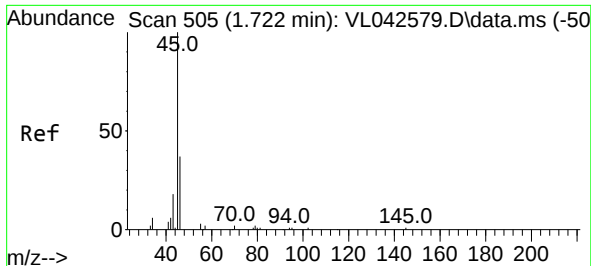
Tgt Ion:101 Resp: 515
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.004 ppbv
 RT: 2.437 min Scan# 726
 Delta R.T. 0.298 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion:101 Resp: 33
 Ion Ratio Lower Upper
 101 100
 151 66.7 55.3 82.9

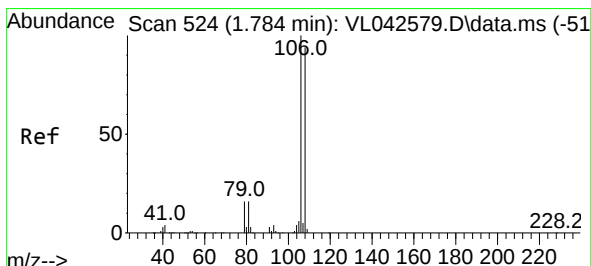
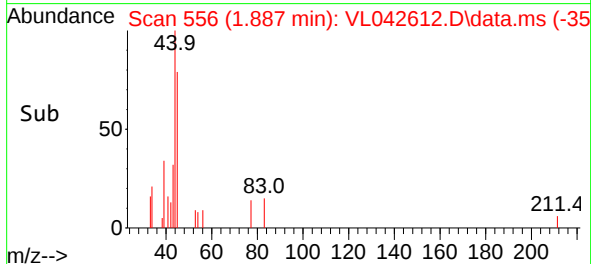
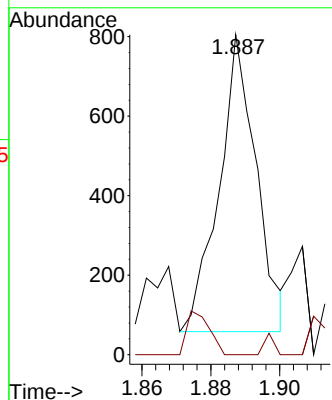
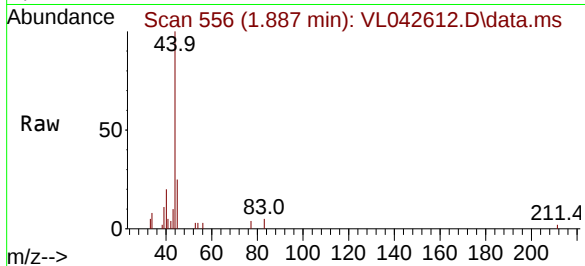




#13
 Ethanol
 Concen: 0.709 ppbv
 RT: 1.887 min Scan# 51
 Delta R.T. 0.165 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

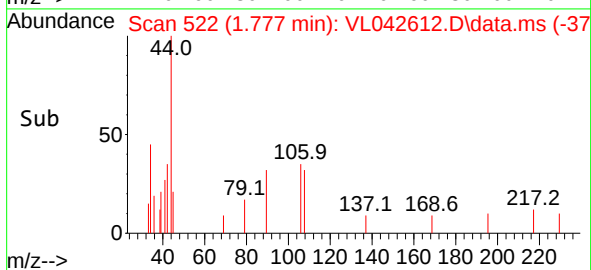
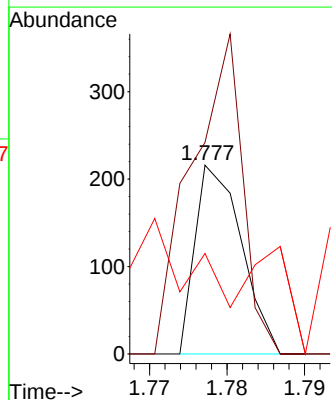
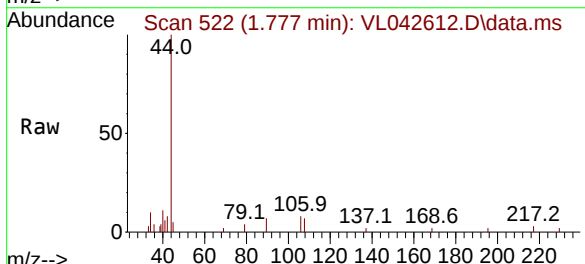
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Tgt Ion: 45 Resp: 559
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 58.1#



#14
 Bromoethene
 Concen: 0.027 ppbv
 RT: 1.777 min Scan# 522
 Delta R.T. -0.006 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion: 108 Resp: 90
 Ion Ratio Lower Upper
 108 100
 106 196.7 87.9 131.9#
 79 218.9 15.6 23.4#

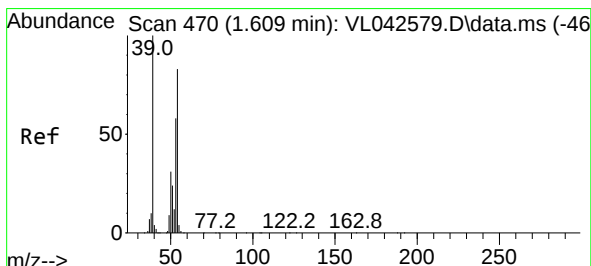
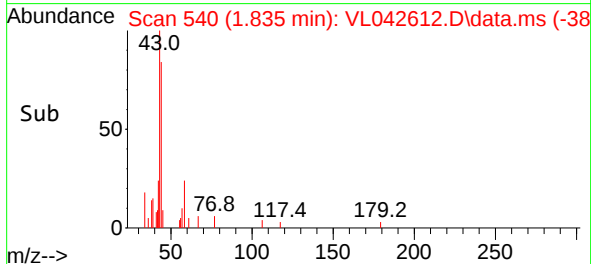
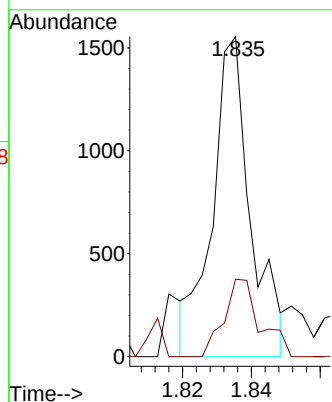
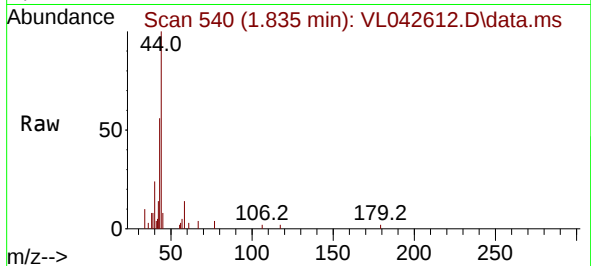




#15
Acetone
Concen: 0.103 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

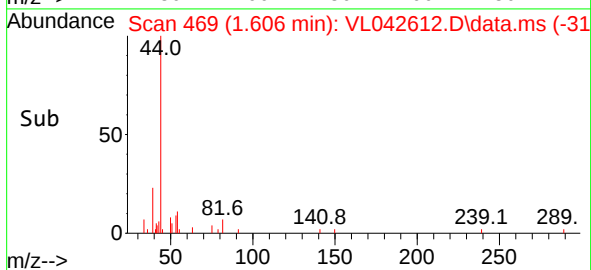
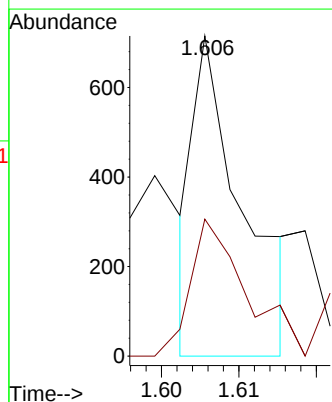
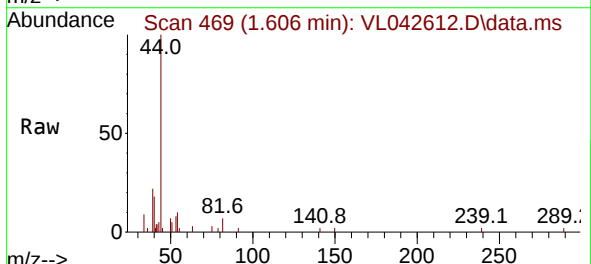
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

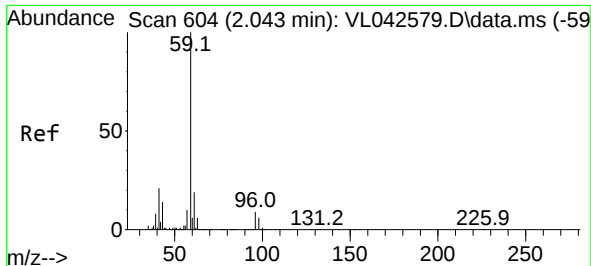
Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
58 27.2 21.0 31.4



#16
1,3-Butadiene
Concen: 0.057 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 39 Resp: 315
Ion Ratio Lower Upper
39 100
54 57.5 57.9 86.9#





#17

tert-Butyl alcohol

Concen: 0.045 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

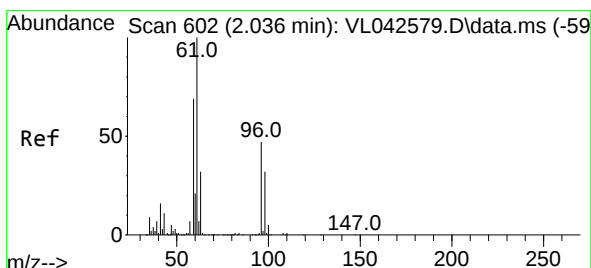
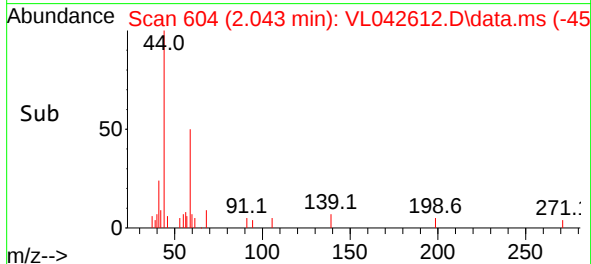
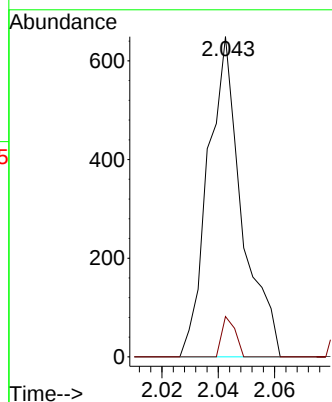
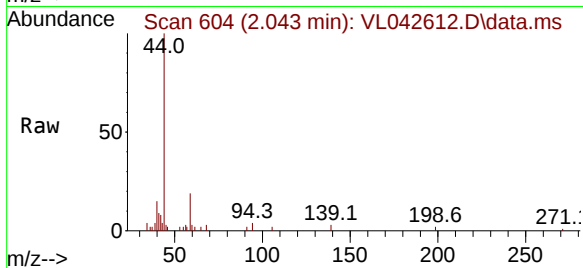
LOQ-AIR-02-QT2-2025

Tgt Ion: 59 Resp: 544

Ion Ratio Lower Upper

59 100

57 5.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.019 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

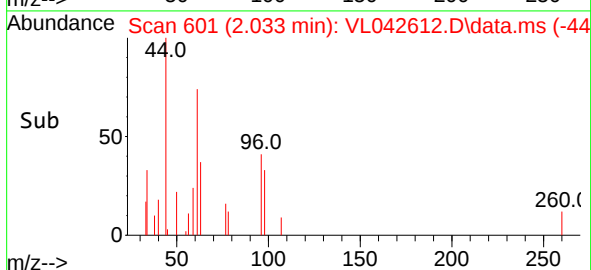
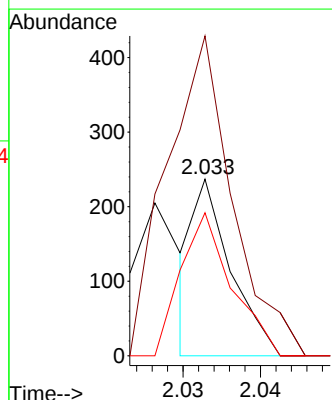
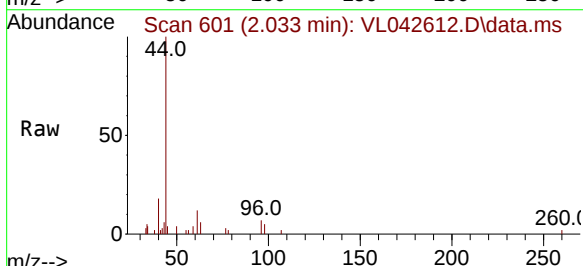
Tgt Ion: 96 Resp: 78

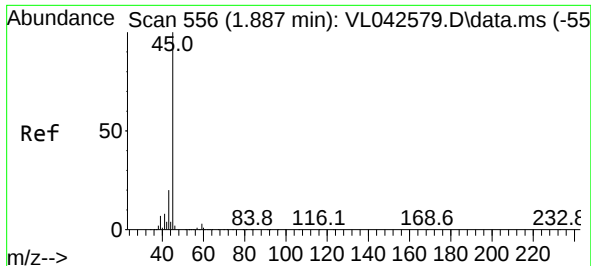
Ion Ratio Lower Upper

96 100

61 156.5 171.1 256.7#

98 81.0 54.4 81.6

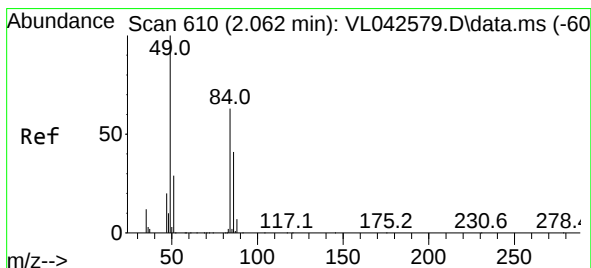
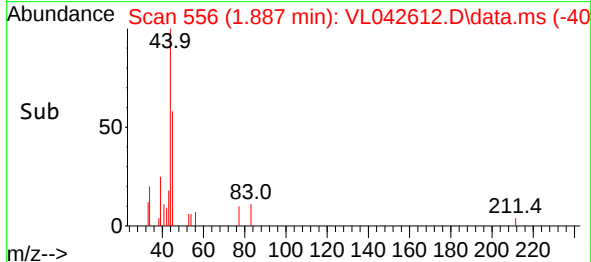
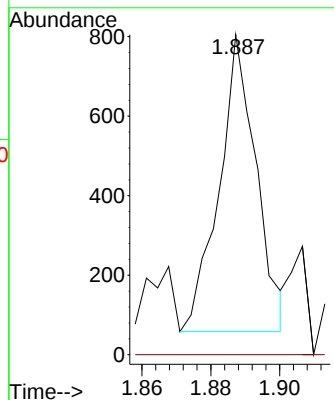
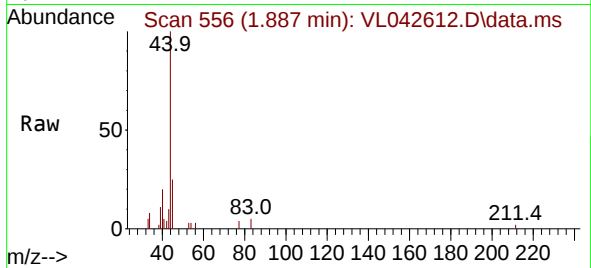




#19
Isopropyl Alcohol
Concen: 0.080 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

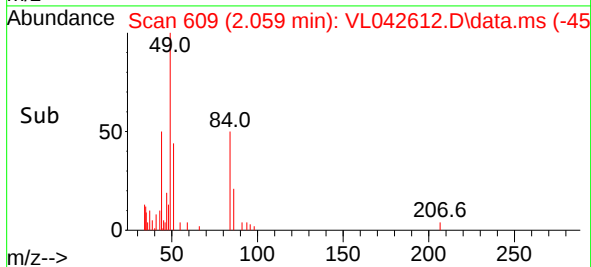
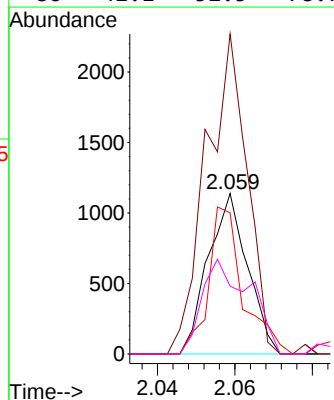
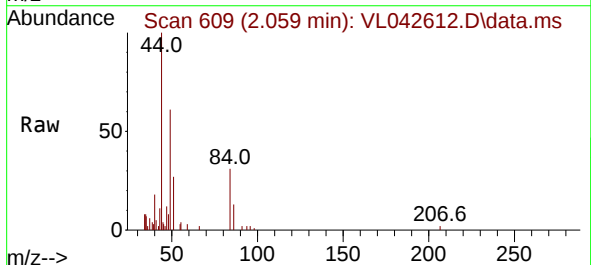
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

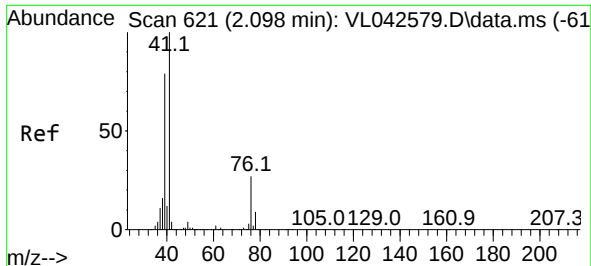
Tgt Ion: 45 Resp: 559
Ion Ratio Lower Upper
45 100
58 5.4 29.4 44.2#



#20
Methylene Chloride
Concen: 0.208 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 84 Resp: 803
Ion Ratio Lower Upper
84 100
49 199.3 128.8 193.2#
51 87.9 38.6 57.8#
86 42.1 52.5 78.7#

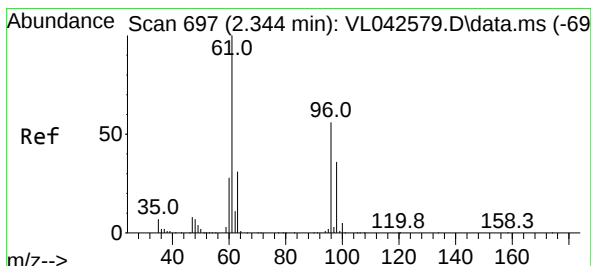
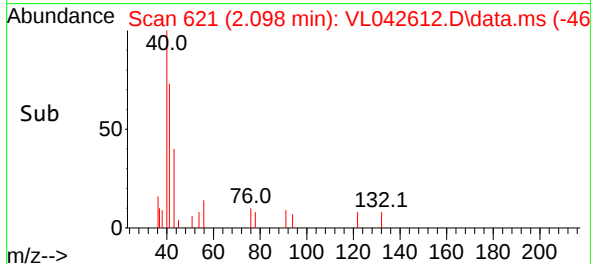
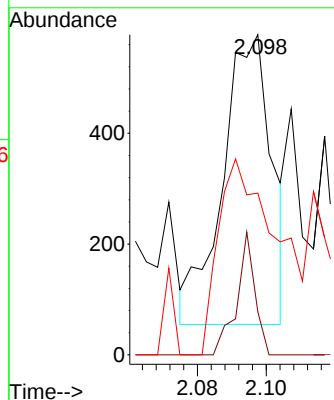
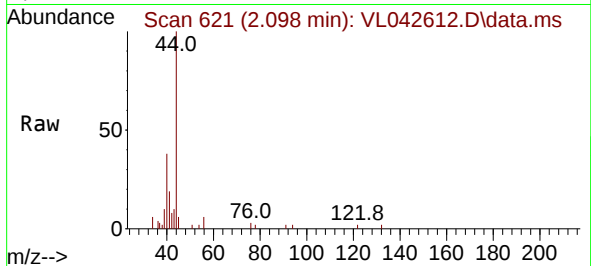




#21
 Allyl Chloride
 Concen: 0.063 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

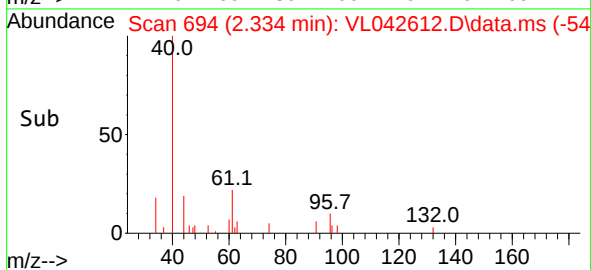
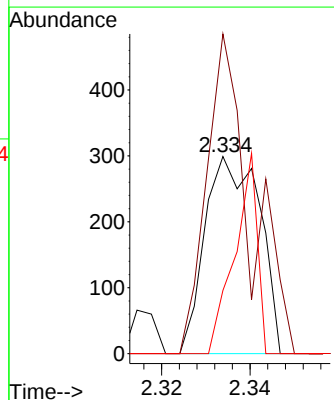
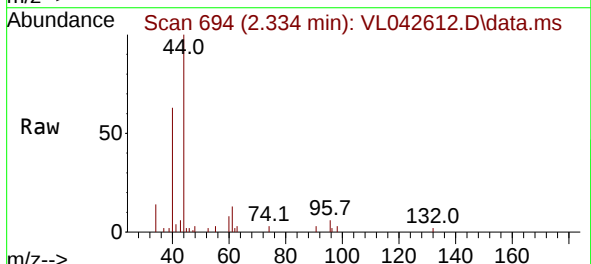
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

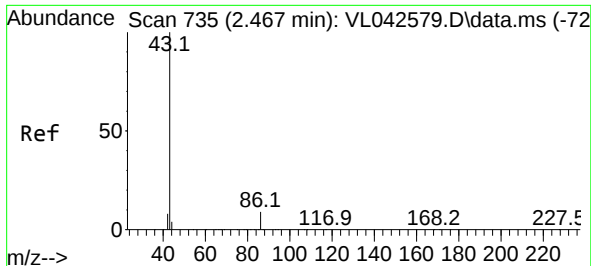
Tgt Ion: 41 Resp: 518
 Ion Ratio Lower Upper
 41 100
 76 15.6 21.2 31.8#
 39 153.9 60.9 91.3#



#22
 trans-1,2-Dichloroethene
 Concen: 0.057 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.010 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion: 96 Resp: 256
 Ion Ratio Lower Upper
 96 100
 61 162.2 142.6 214.0
 98 32.1 51.0 76.4#

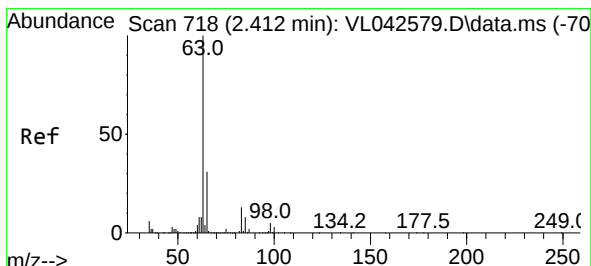
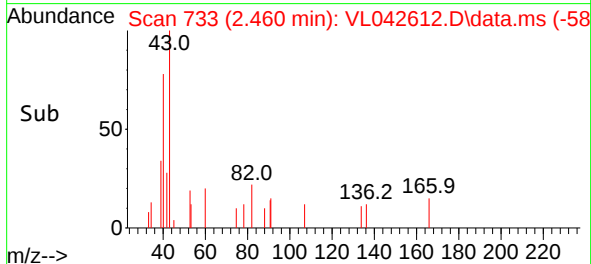
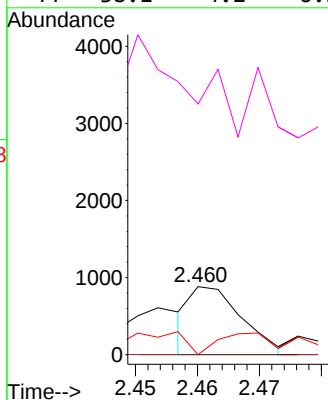
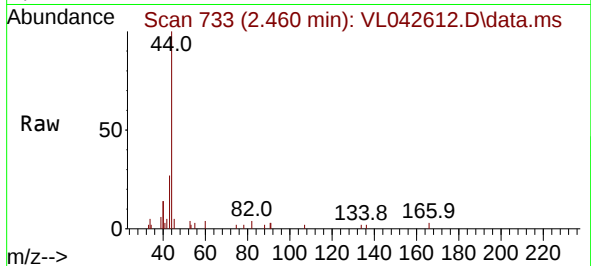




#23
 Vinyl Acetate
 Concen: 0.032 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

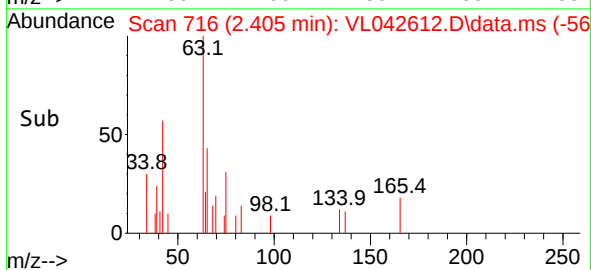
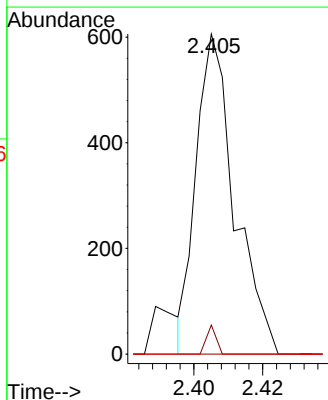
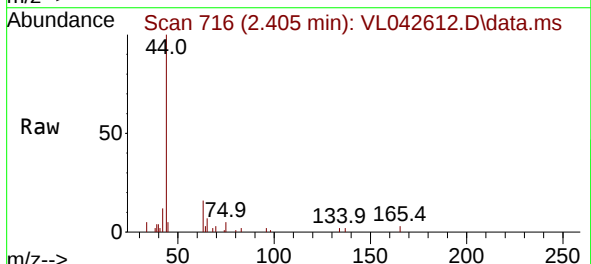
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

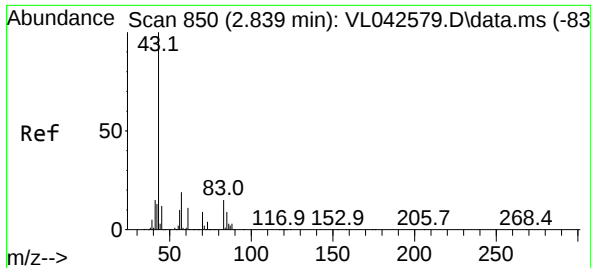
Tgt Ion: 43	Resp: 513
Ion Ratio	Lower Upper
43 100	
86 0.0	6.6 9.8#
42 0.0	7.0 10.4#
44 38.1	4.2 6.2#



#24
 1,1-Dichloroethane
 Concen: 0.051 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion: 63	Resp:	472	
Ion Ratio	Lower	Upper	
63 100			
98 9.1	2.4	7.1#	
100 0.0	1.4	4.0#	

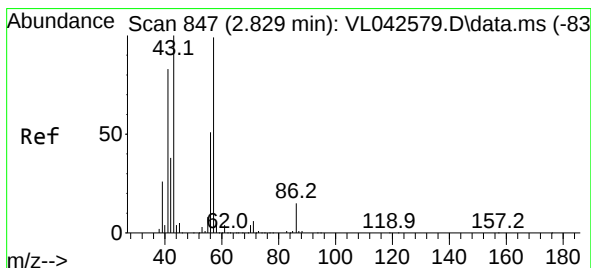
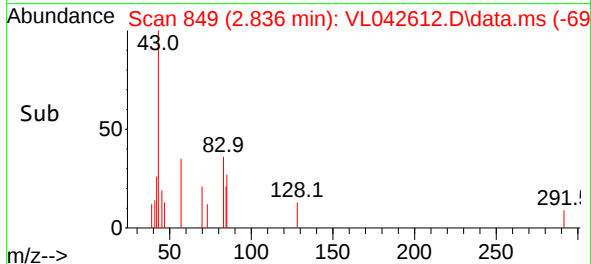
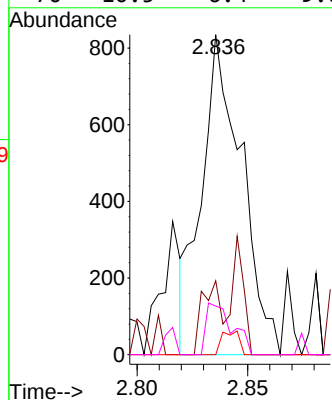
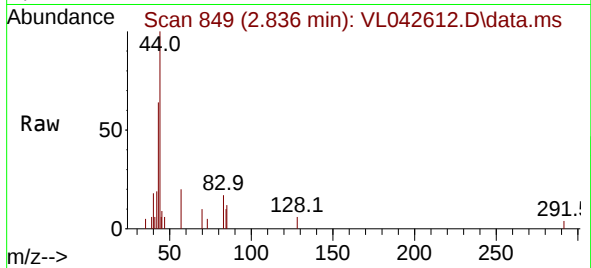




#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 2.836 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

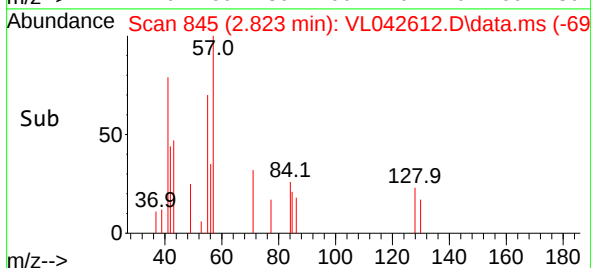
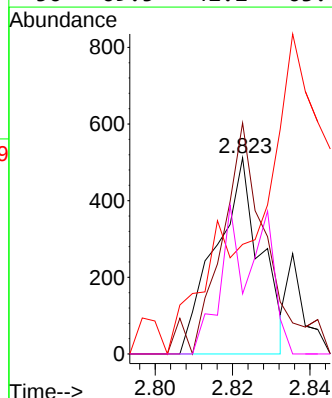
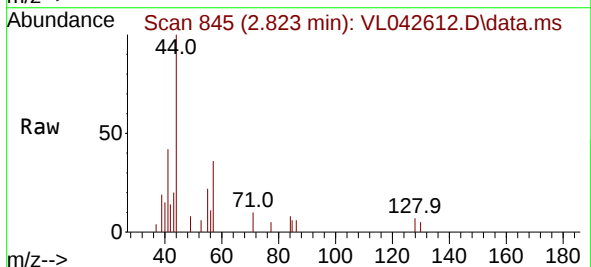
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

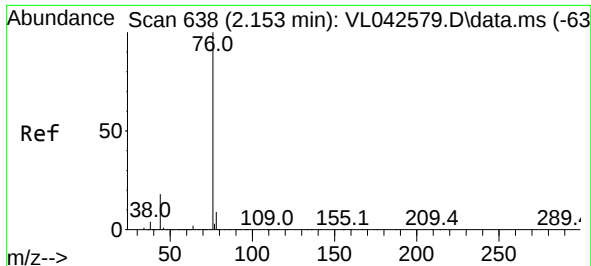
Tgt Ion: 43	Resp: 1051
Ion Ratio	Lower Upper
43 100	
45 21.5	8.2 12.2#
61 3.1	7.1 10.7#
70 10.5	6.4 9.6#



#26
Hexane
Concen: 0.028 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 57	Resp: 410
Ion Ratio	Lower Upper
57 100	
41 128.0	70.6 106.0#
43 0.0	181.1 271.7#
56 69.5	42.2 63.4#





#27

Carbon Disulfide

Concen: 0.039 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.007 min

Lab File: VL042612.D

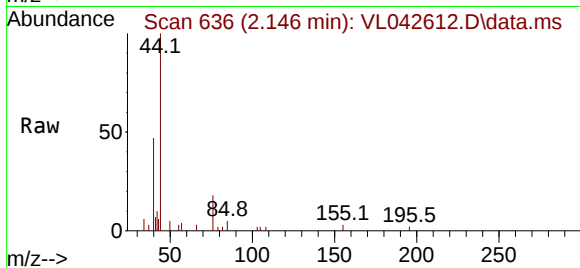
Acq: 03 Jun 2025 15:45

Instrument :

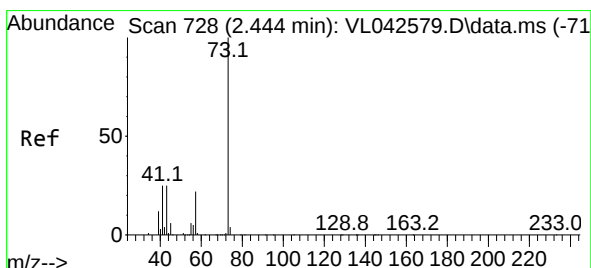
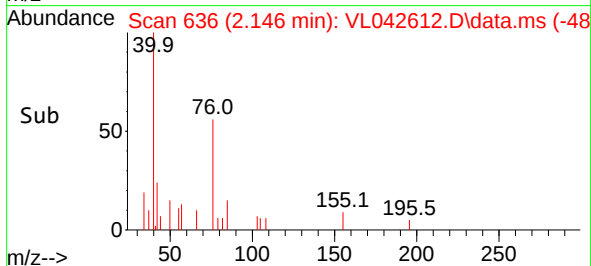
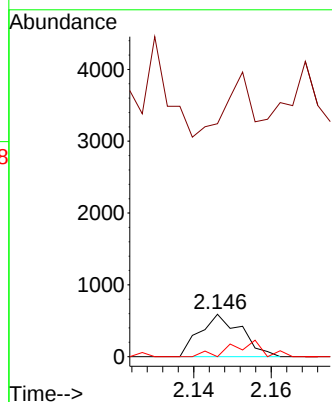
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025



Tgt Ion: 76	Resp: 440
Ion Ratio	Lower Upper
76	100
44	600.0 21.3 31.9#
78	31.6 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.035 ppbv

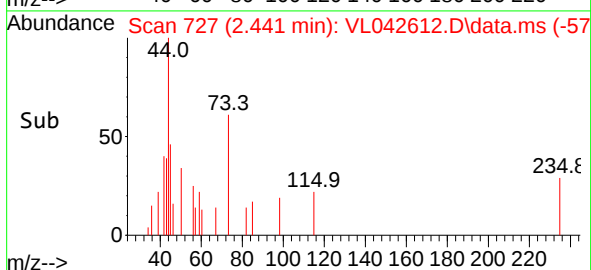
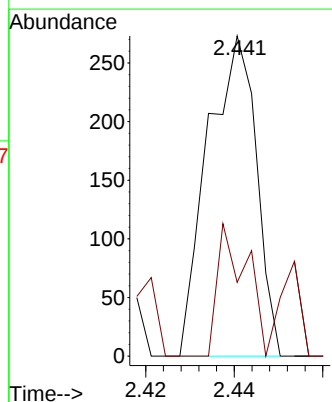
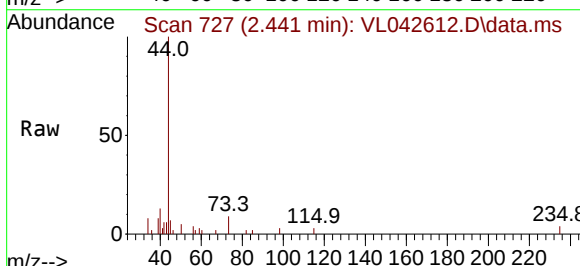
RT: 2.441 min Scan# 727

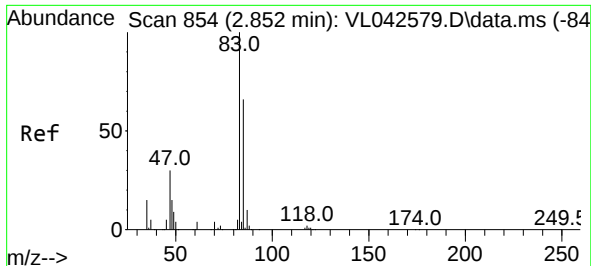
Delta R.T. -0.003 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Tgt Ion: 73	Resp: 208
Ion Ratio	Lower Upper
73	100
57	37.0 19.9 29.9#





#29

Chloroform

Concen: 0.041 ppbv

RT: 2.845 min Scan# 854

Delta R.T. -0.006 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

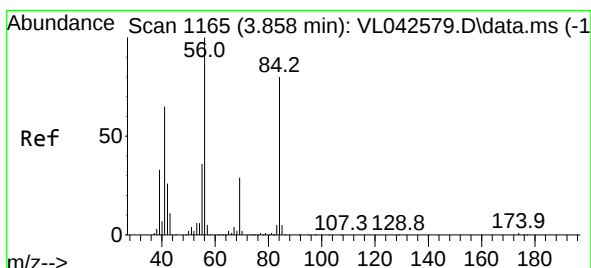
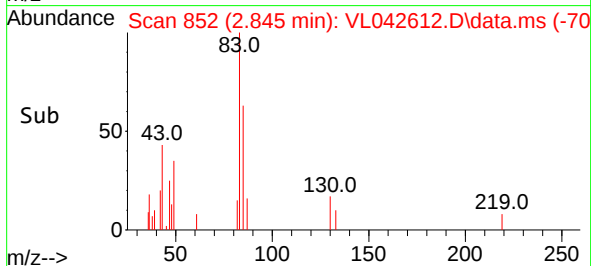
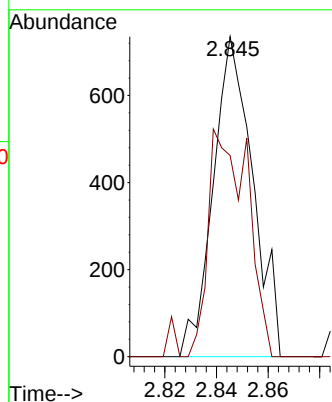
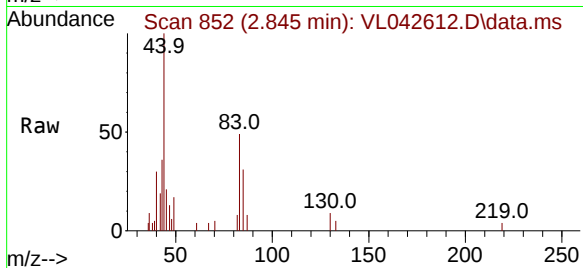
LOQ-AIR-02-QT2-2025

Tgt Ion: 83 Resp: 784

Ion Ratio Lower Upper

83 100

85 62.9 52.8 79.2



#30

Cyclohexane

Concen: 0.025 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

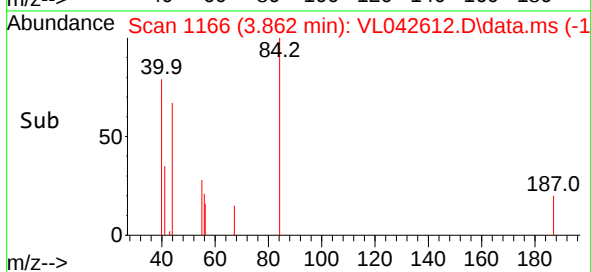
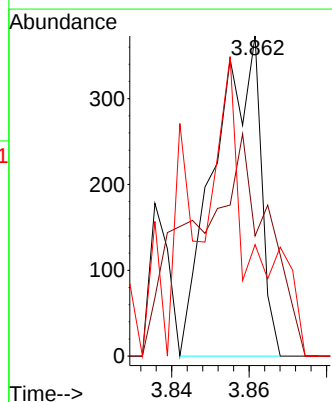
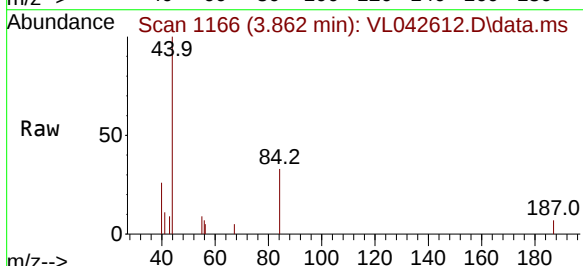
Tgt Ion: 84 Resp: 306

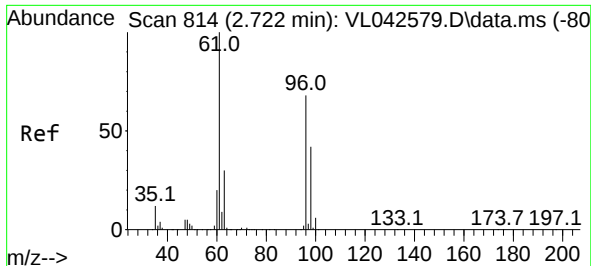
Ion Ratio Lower Upper

84 100

56 111.8 103.7 155.5

41 129.1 65.1 97.7#

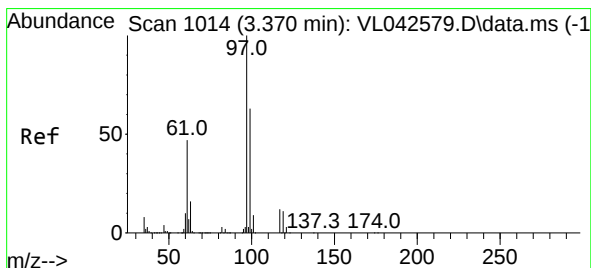
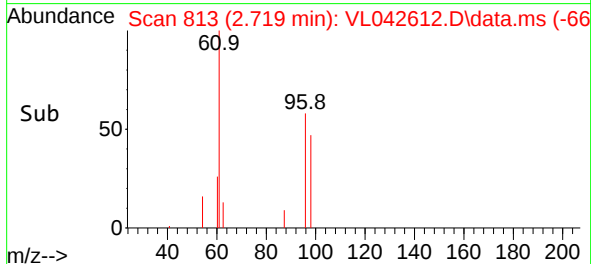
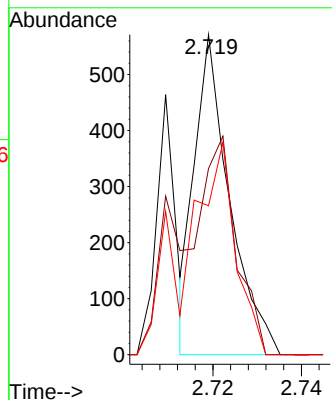
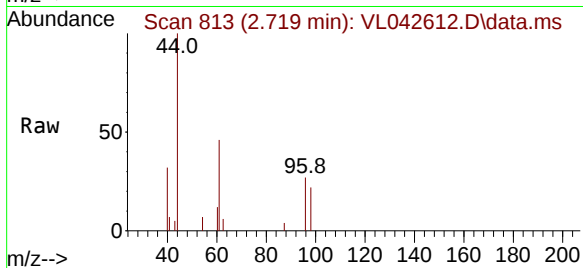




#31
 cis-1,2-Dichloroethene
 Concen: 0.023 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

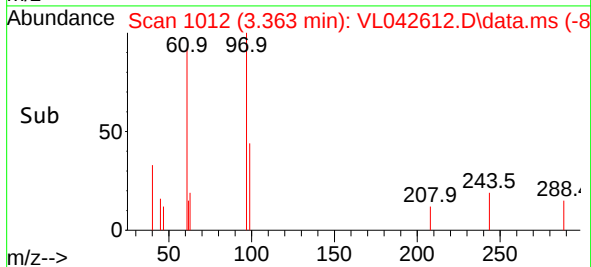
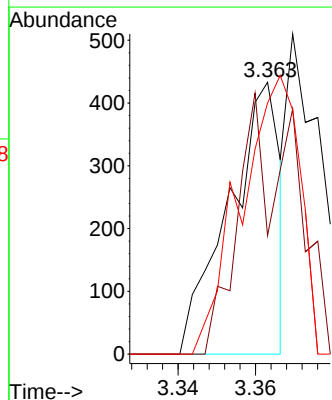
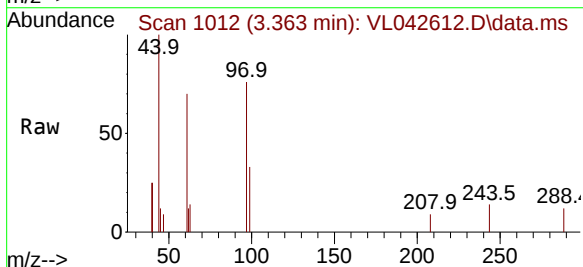
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Tgt Ion:	61	Resp:	312
Ion	Ratio	Lower	Upper
61	100		
96	58.1	54.5	81.7
98	46.6	33.4	50.2



#32
 1,1,1-Trichloroethane
 Concen: 0.021 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.006 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion:	97	Resp:	397
Ion	Ratio	Lower	Upper
97	100		
99	104.3	51.0	76.6#
61	0.0	39.4	59.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.010 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

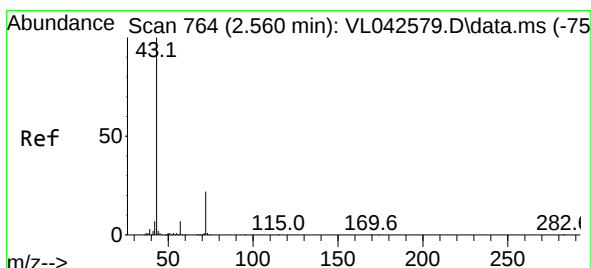
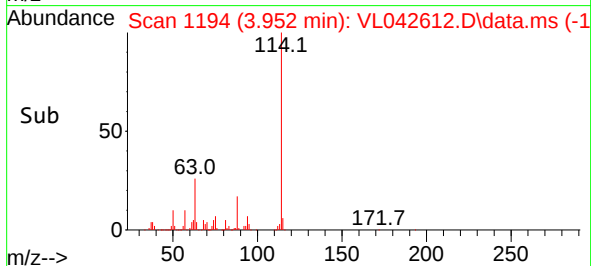
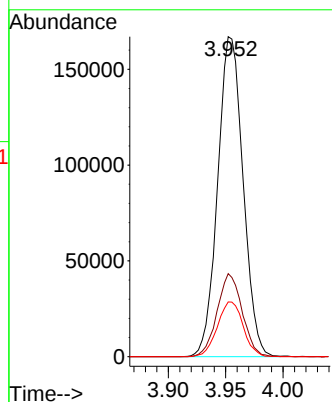
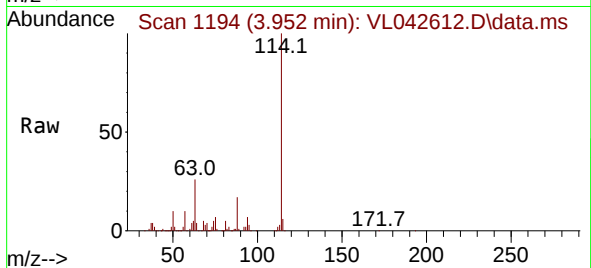
Tgt Ion:114 Resp: 257135

Ion Ratio Lower Upper

114 100

63 25.6 19.0 28.6

88 17.4 13.6 20.4



#34

2-Butanone

Concen: 0.027 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.003 min

Lab File: VL042612.D

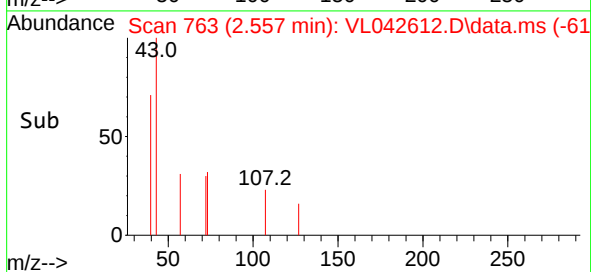
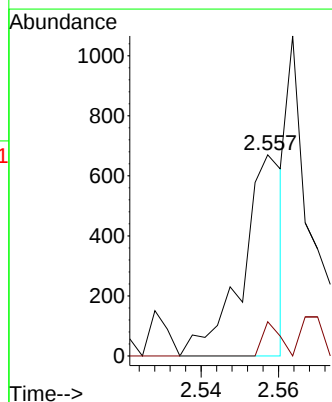
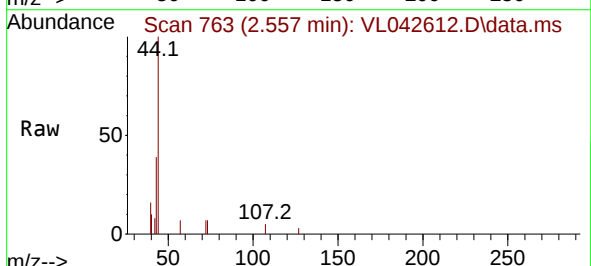
Acq: 03 Jun 2025 15:45

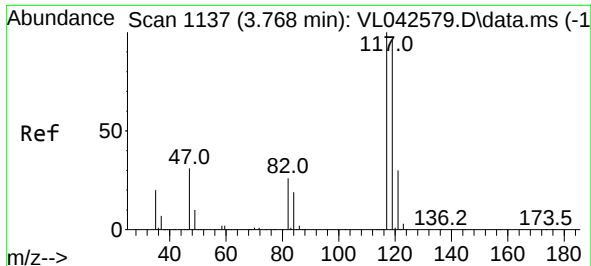
Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

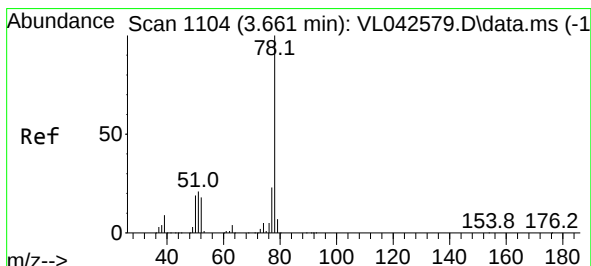
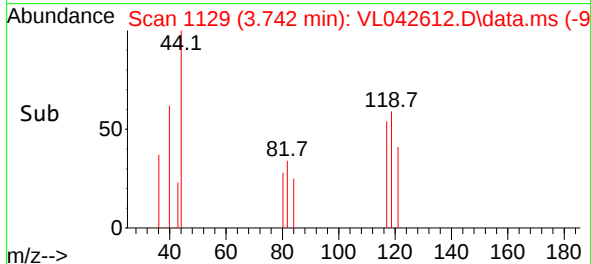
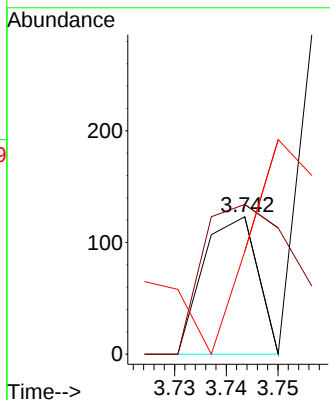
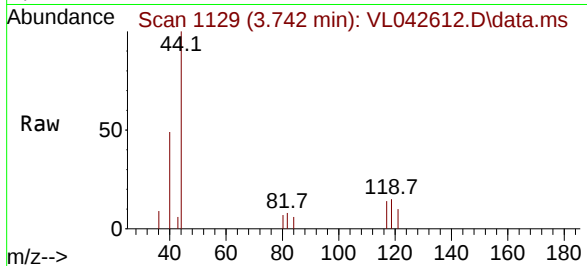




#35
Carbon Tetrachloride
Concen: 0.003 ppbv
RT: 3.742 min Scan# 1129
Delta R.T. -0.026 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

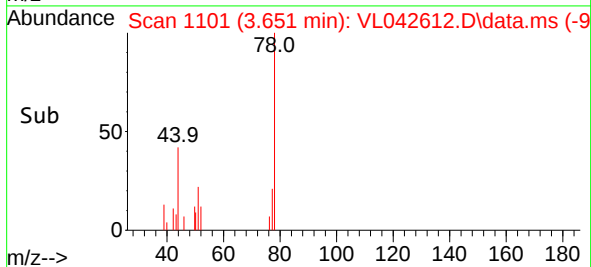
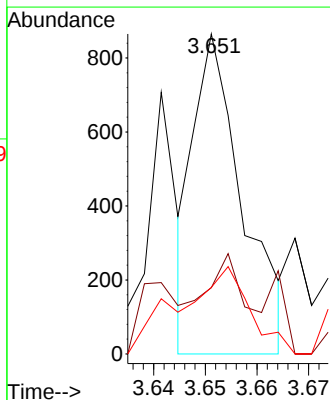
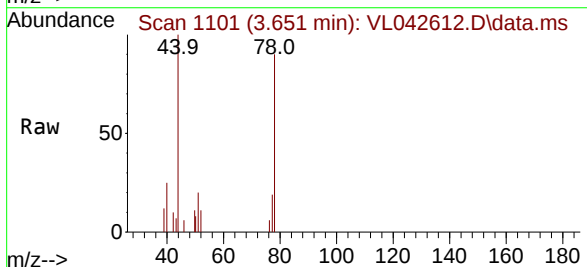
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

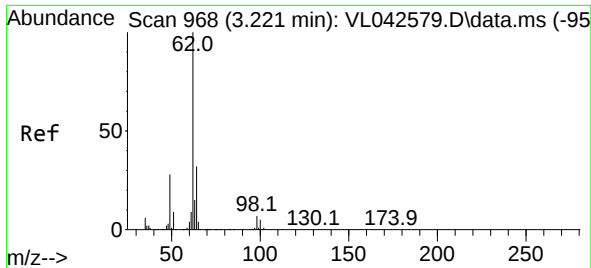
Tgt Ion:	117	Resp:	45
Ion	Ratio	Lower	Upper
117	100		
119	108.9	76.8	115.2
121	27.6	24.3	36.5



#36
Benzene
Concen: 0.023 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion:	78	Resp:	573
Ion	Ratio	Lower	Upper
78	100		
77	7.2	18.2	27.2#
50	18.1	15.2	22.8

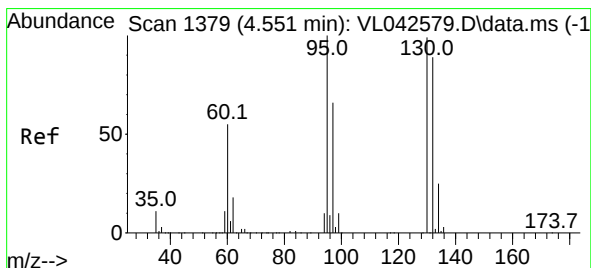
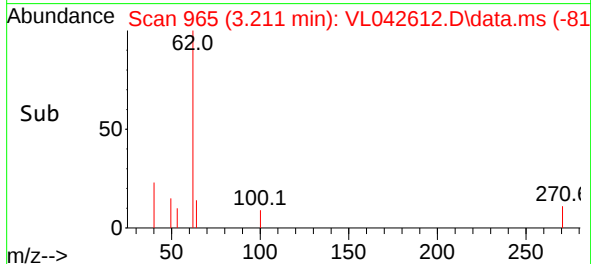
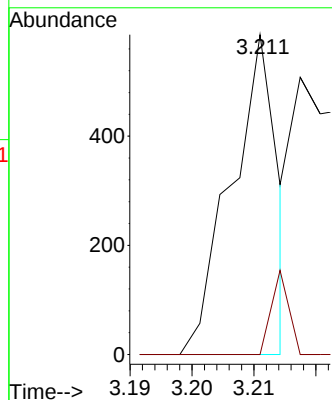
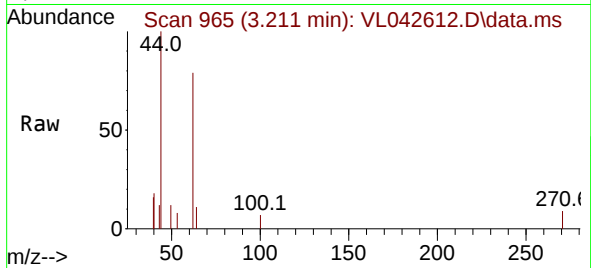




#37
1,2-Dichloroethane
Concen: 0.024 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

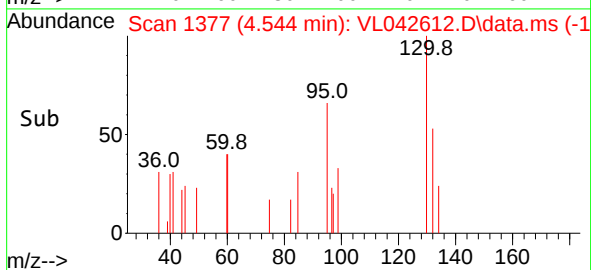
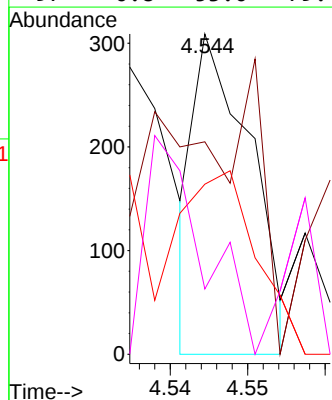
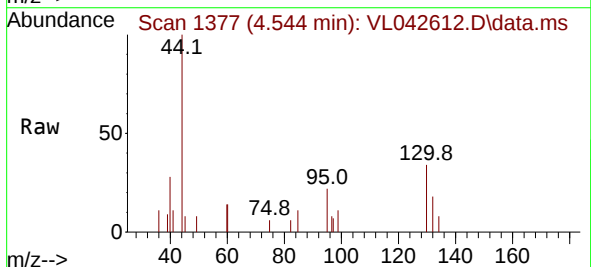
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

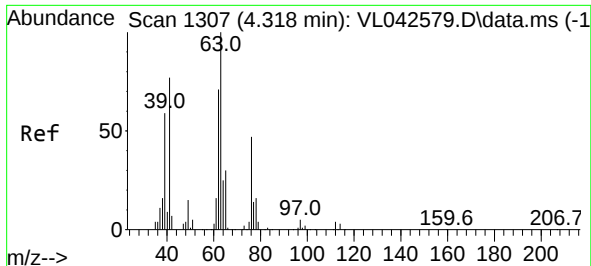
Tgt Ion: 62 Resp: 305
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#



#38
Trichloroethene
Concen: 0.014 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion:130 Resp: 156
Ion Ratio Lower Upper
130 100
95 79.8 80.6 121.0#
132 41.6 71.8 107.6#
97 0.8 53.0 79.4#





#39

1,2-Dichloropropane

Concen: 7.013 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.366 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

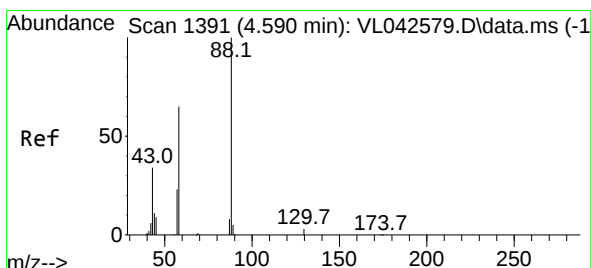
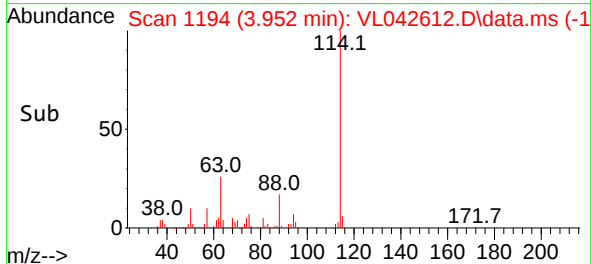
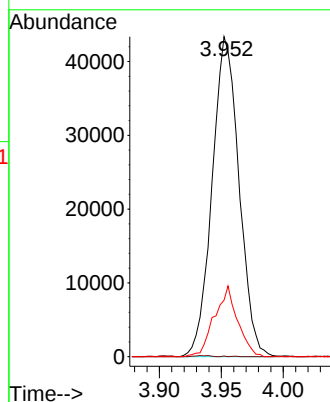
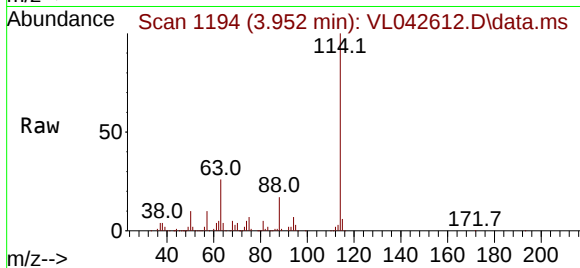
Tgt Ion: 63 Resp: 65668

Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 17.6 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.018 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.026 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Tgt Ion: 88 Resp: 75

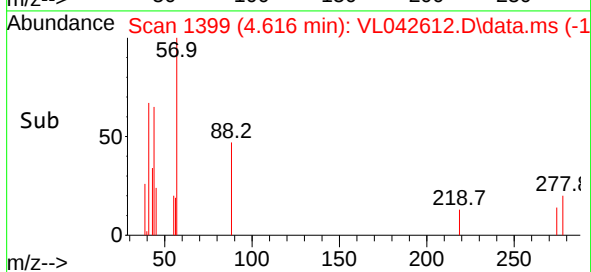
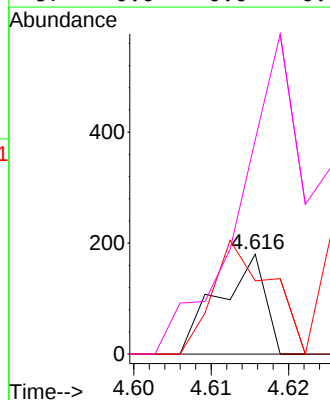
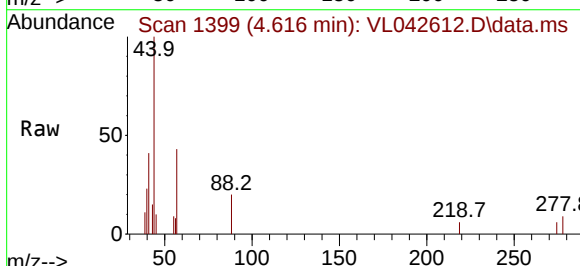
Ion Ratio Lower Upper

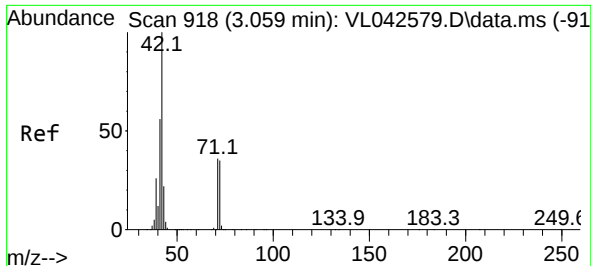
88 100

58 80.0 55.8 83.8

43 158.7 24.8 37.2#

57 0.0 0.0 0.0

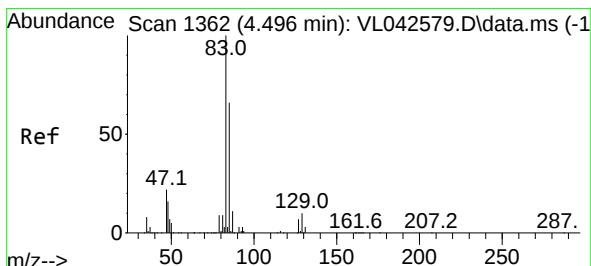
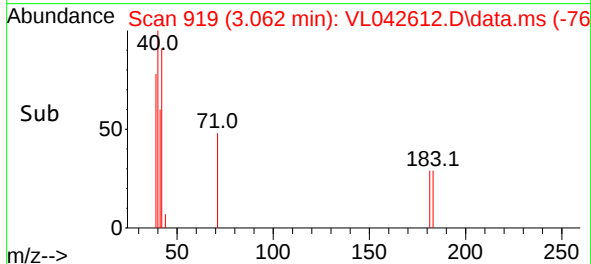
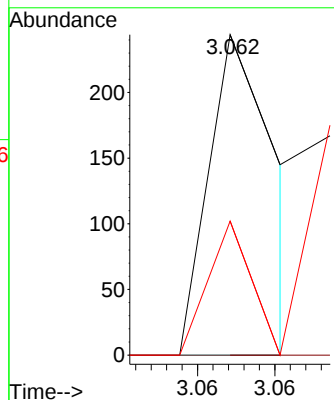
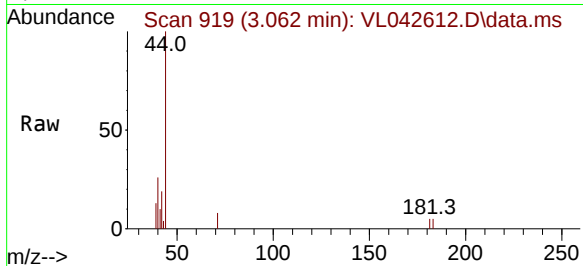




#41
Tetrahydrofuran
Concen: 0.007 ppbv
RT: 3.062 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

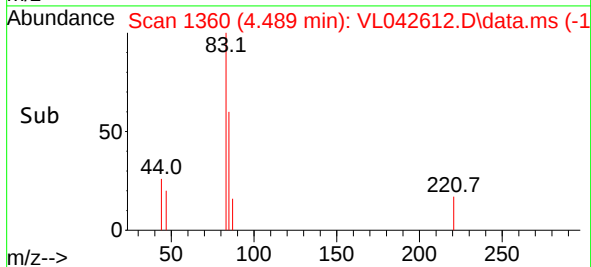
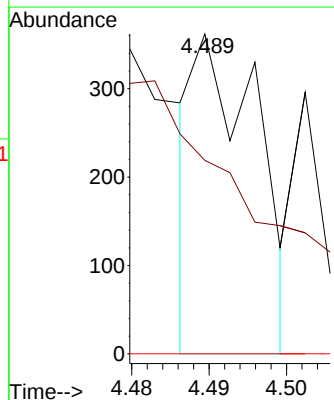
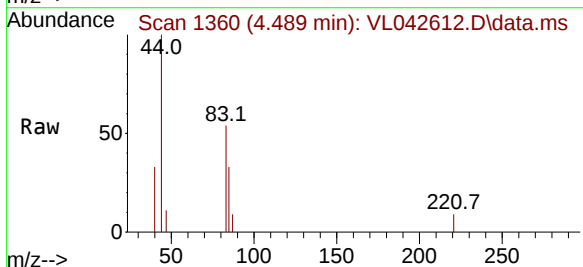
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

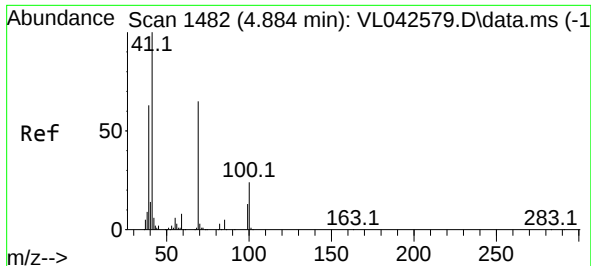
Tgt Ion: 42 Resp: 76
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 28.5 42.7#



#42
Bromodichloromethane
Concen: 0.011 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 83 Resp: 205
Ion Ratio Lower Upper
83 100
85 30.6 52.7 79.1#
127 0.0 5.8 8.6#





#43

Methyl Methacrylate

Concen: 0.015 ppbv

RT: 4.878 min Scan# 1482

Delta R.T. -0.006 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

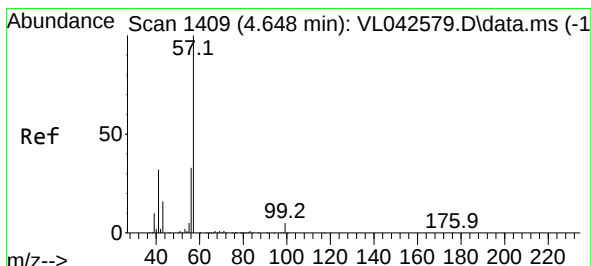
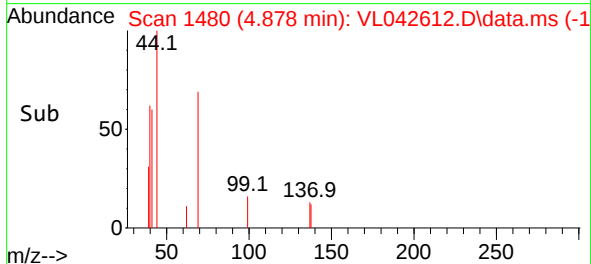
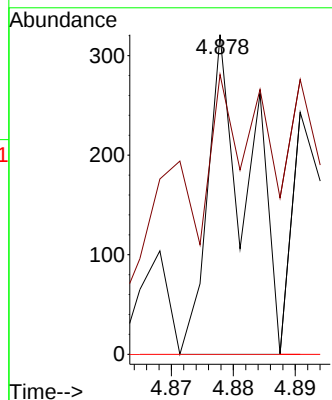
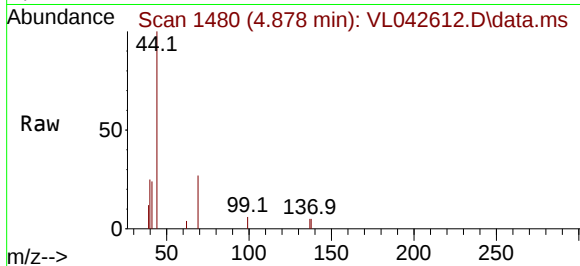
Tgt Ion: 69 Resp: 148

Ion Ratio Lower Upper

69 100

41 347.3 124.6 187.0#

100 0.0 29.9 44.9#



#44

2,2,4-Trimethylpentane

Concen: 0.010 ppbv

RT: 4.642 min Scan# 1407

Delta R.T. -0.006 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

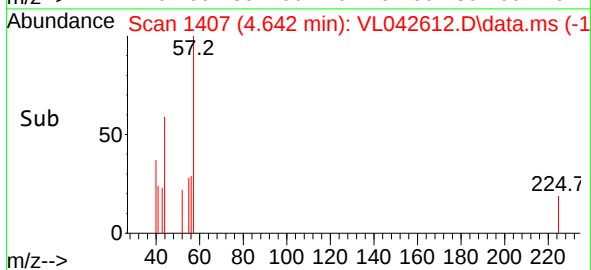
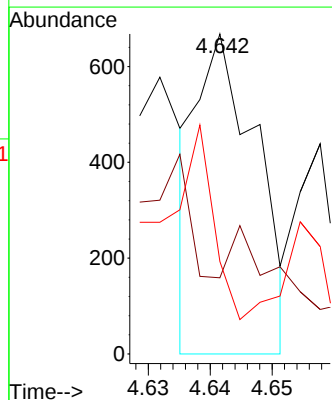
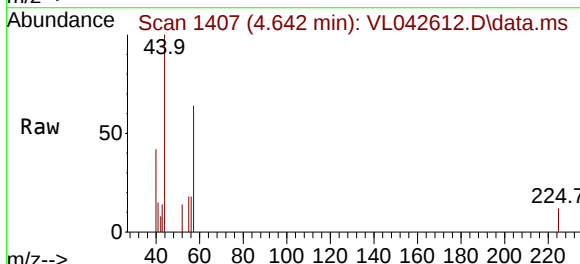
Tgt Ion: 57 Resp: 450

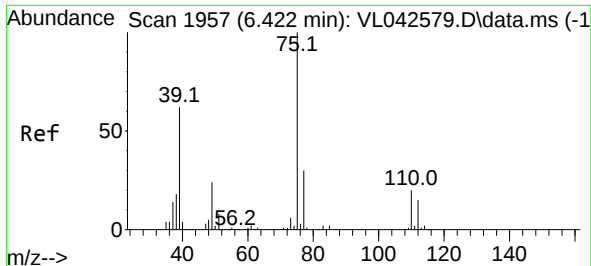
Ion Ratio Lower Upper

57 100

41 172.7 26.1 39.1#

56 137.8 25.9 38.9#

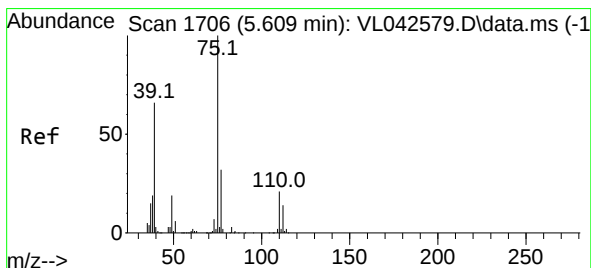
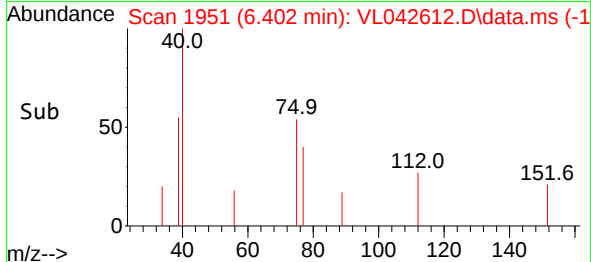
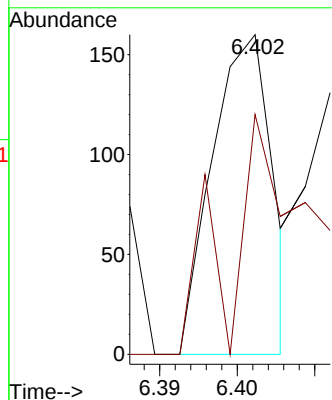
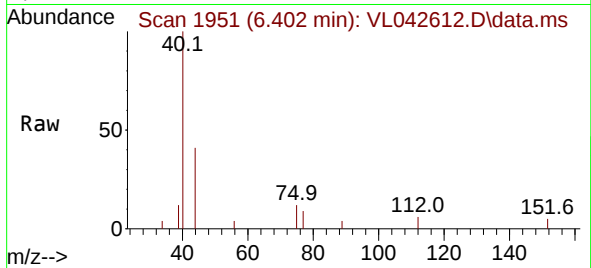




#45
 t-1,3-Dichloropropene
 Concen: 0.008 ppbv
 RT: 6.402 min Scan# 1957
 Delta R.T. -0.019 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

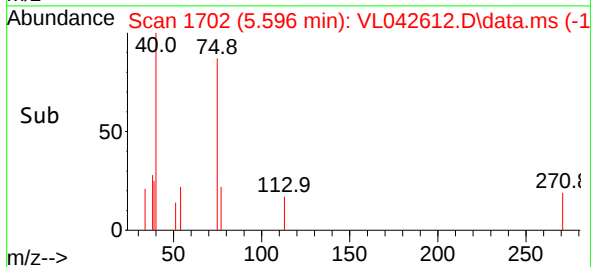
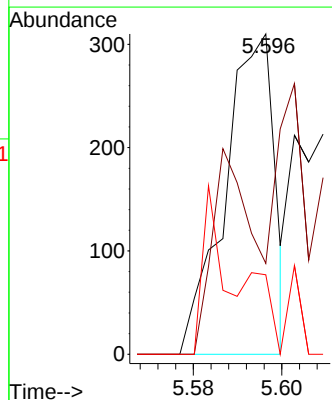
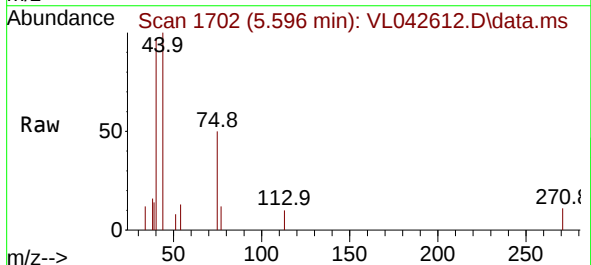
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

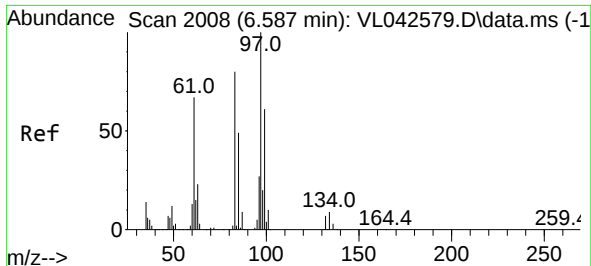
Tgt Ion: 75 Resp: 87
 Ion Ratio Lower Upper
 75 100
 77 75.0 24.2 36.2#



#46
 cis-1,3-Dichloropropene
 Concen: 0.017 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. -0.013 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion: 75 Resp: 242
 Ion Ratio Lower Upper
 75 100
 39 28.4 52.7 79.1#
 77 24.8 25.8 38.8#





#47

1,1,2-Trichloroethane

Concen: 0.013 ppbv

RT: 6.574 min Scan# 2004

Delta R.T. -0.013 min

Lab File: VL042612.D

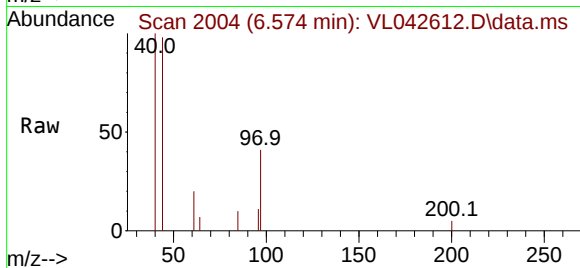
Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025



Tgt Ion: 97 Resp: 124

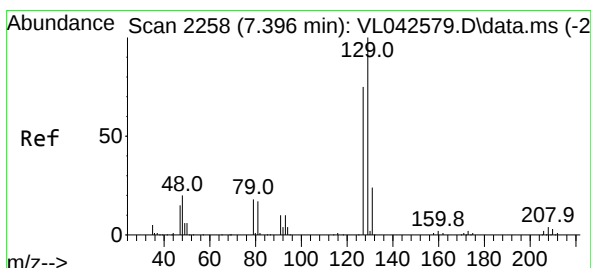
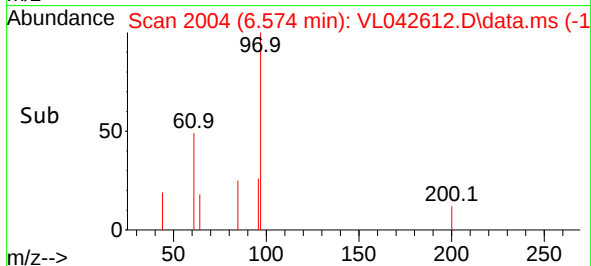
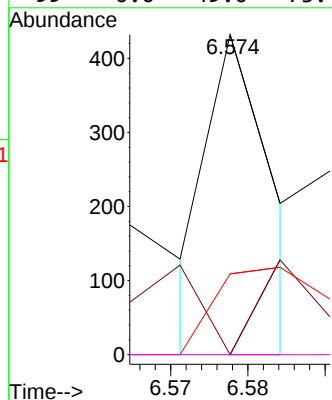
Ion Ratio Lower Upper

97 100

83 0.0 63.9 95.9#

85 36.0 39.2 58.8#

99 0.0 49.0 73.4#



#48

Dibromochloromethane

Concen: 0.007 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.016 min

Lab File: VL042612.D

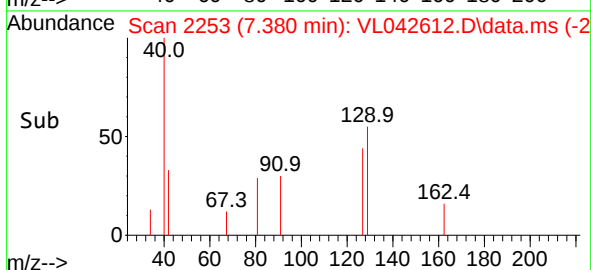
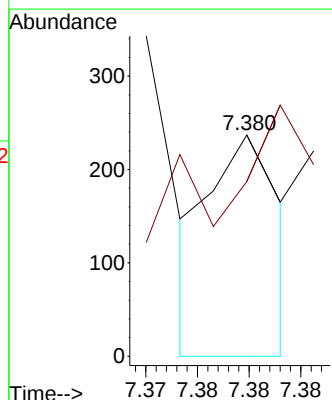
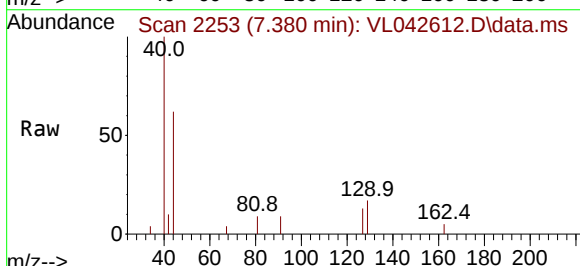
Acq: 03 Jun 2025 15:45

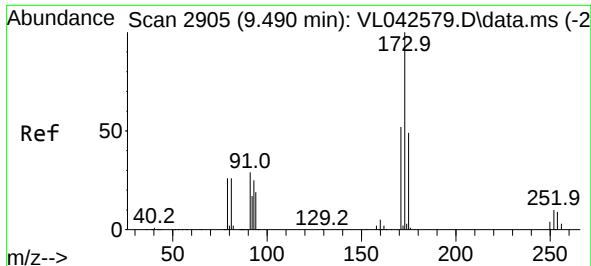
Tgt Ion: 129 Resp: 112

Ion Ratio Lower Upper

129 100

127 374.1 39.0 116.9#





#49

Bromoform

Concen: 0.009 ppbv

RT: 9.474 min Scan# 2905

Delta R.T. -0.016 min

Lab File: VL042612.D

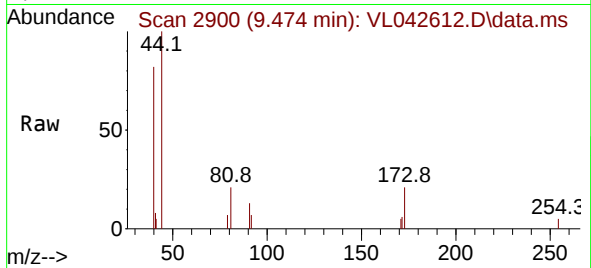
Acq: 03 Jun 2025 15:45

Instrument :

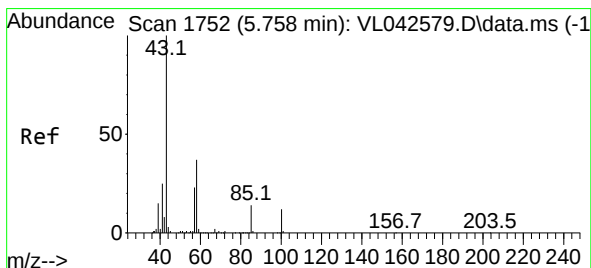
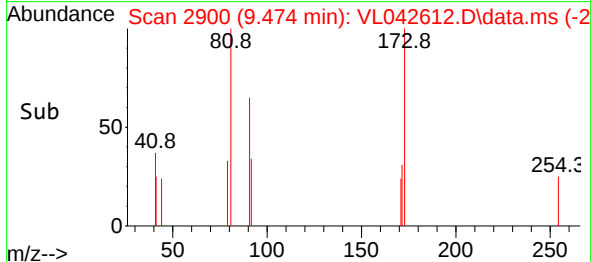
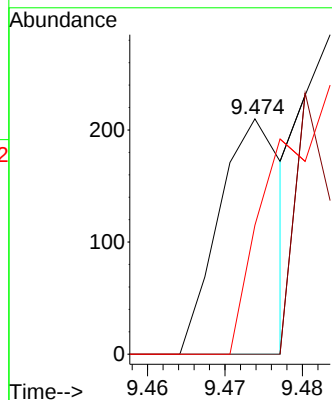
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025



Tgt Ion:	173	Resp:	121
Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.7	58.1#
171	0.0	41.2	61.8#



#50

4-Methyl-2-Pentanone

Concen: 0.003 ppbv

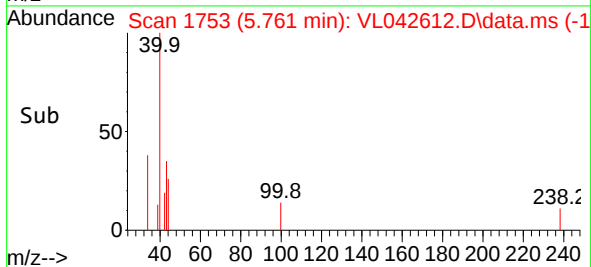
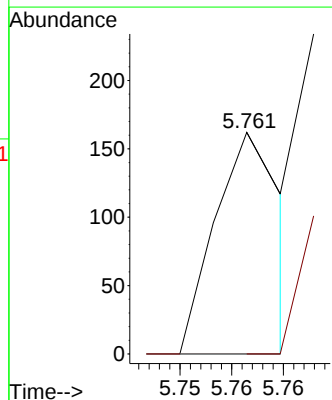
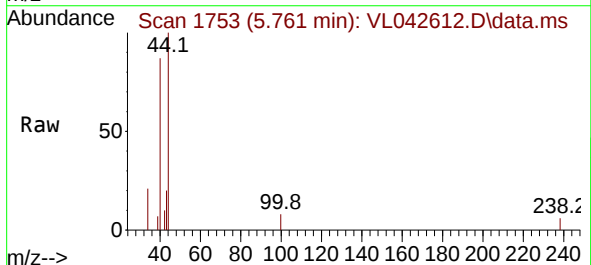
RT: 5.761 min Scan# 1753

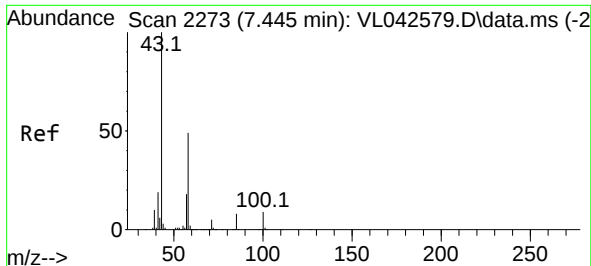
Delta R.T. 0.003 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Tgt Ion:	43	Resp:	73
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.3	42.5#

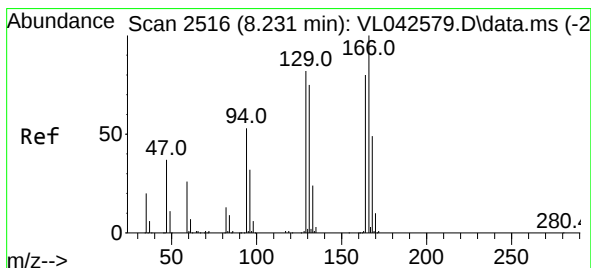
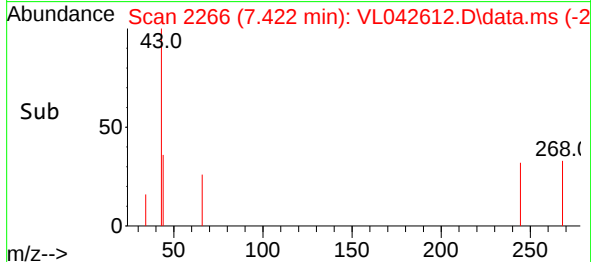
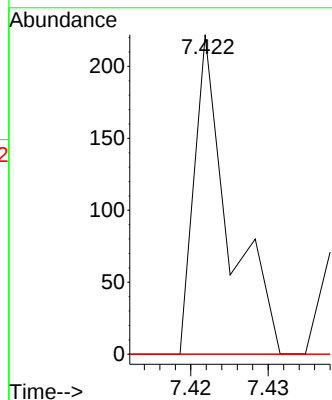
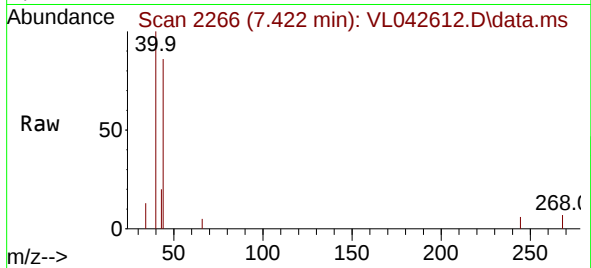




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.422 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

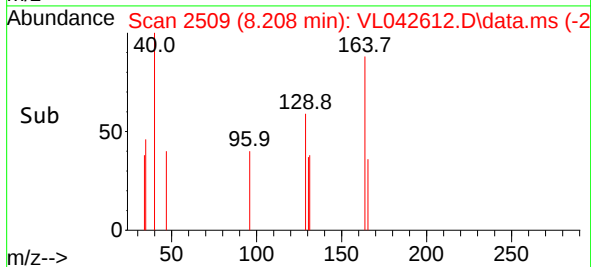
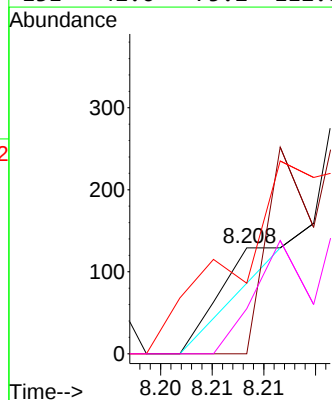
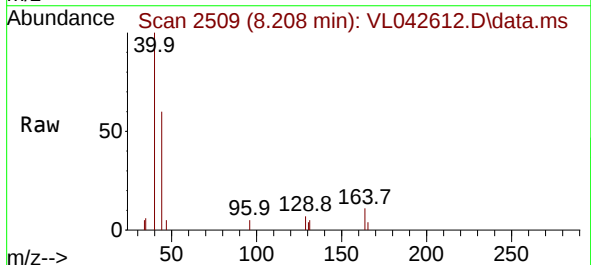
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

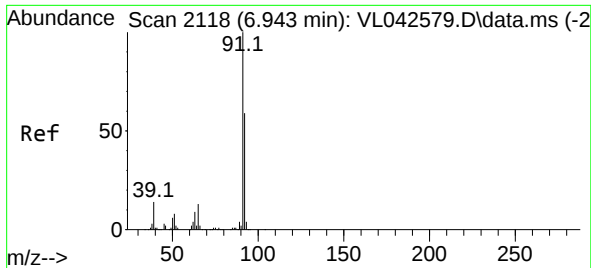
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.003 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.023 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 164 Resp: 25
Ion Ratio Lower Upper
164 100
166 0.0 100.0 150.0#
129 14.0 82.2 123.4#
131 42.6 75.2 112.8#

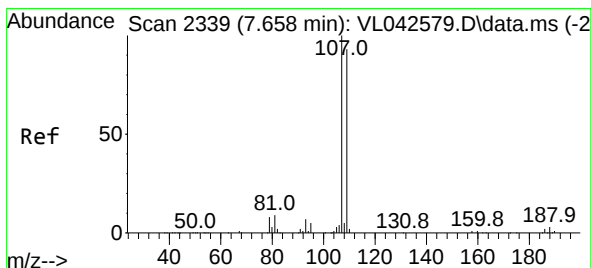
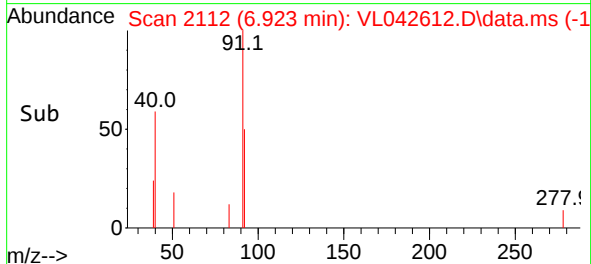
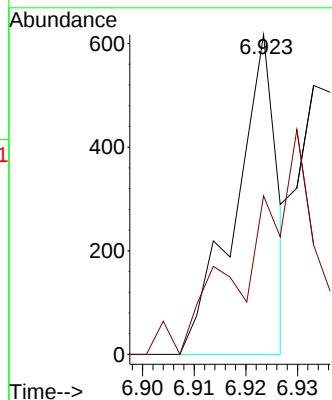
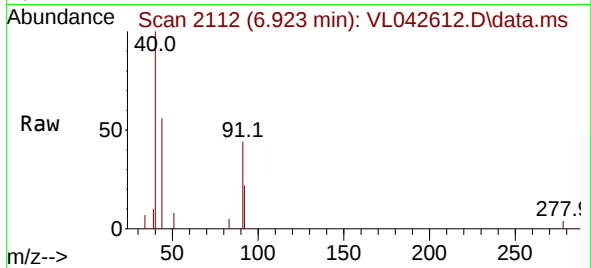




#53
Toluene
Concen: 0.012 ppbv
RT: 6.923 min Scan# 2118
Delta R.T. -0.019 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

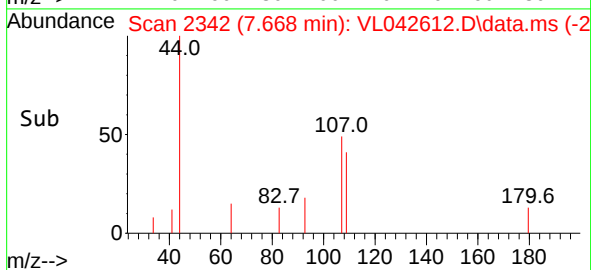
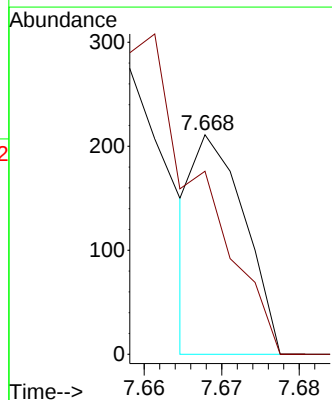
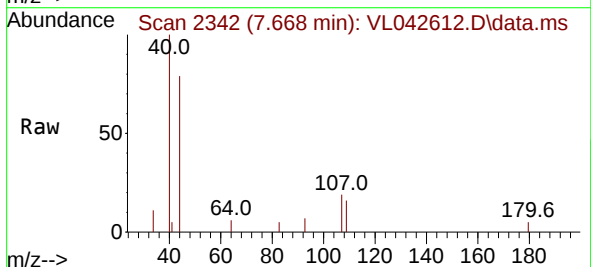
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

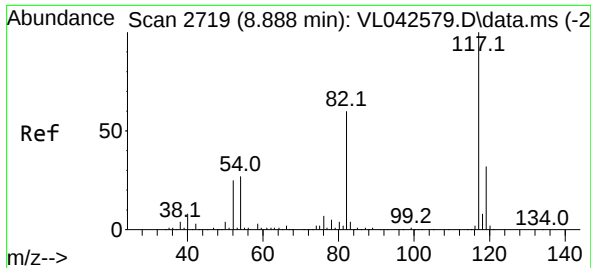
Tgt Ion: 91 Resp: 348
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#



#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 107 Resp: 94
Ion Ratio Lower Upper
107 100
109 83.4 74.3 111.5

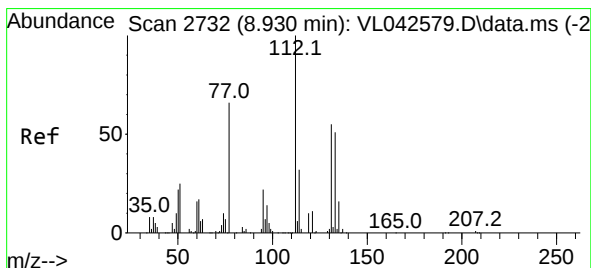
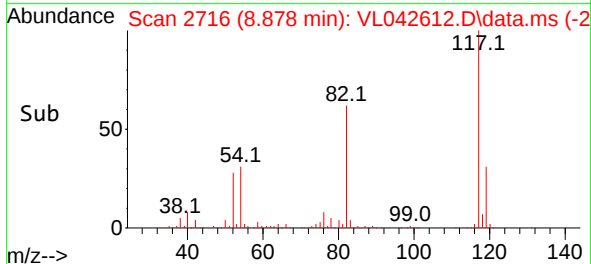
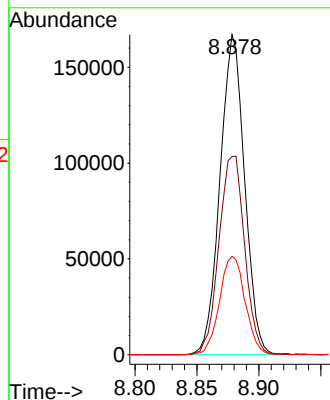
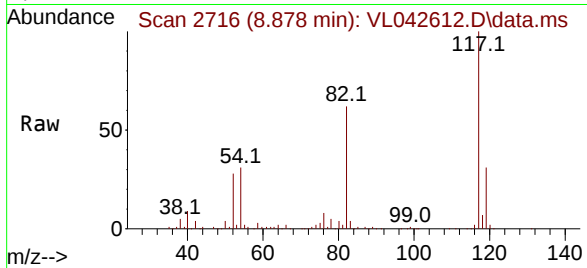




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

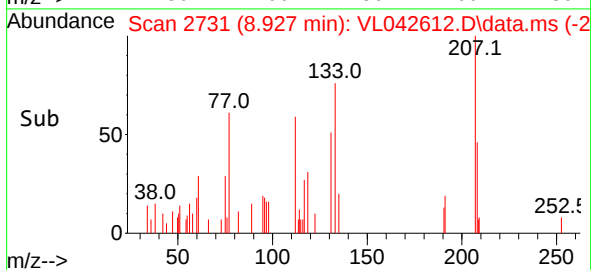
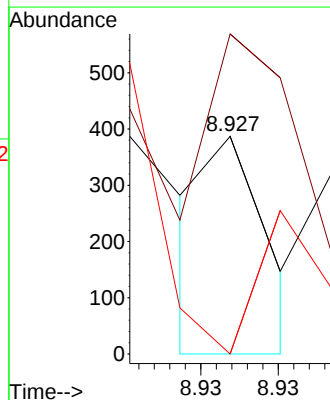
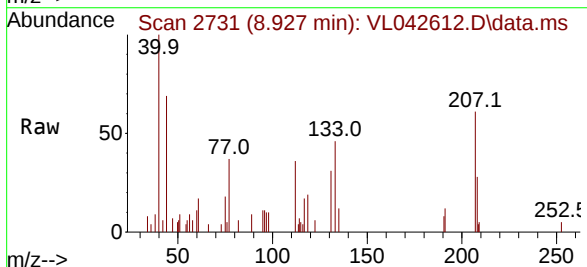
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

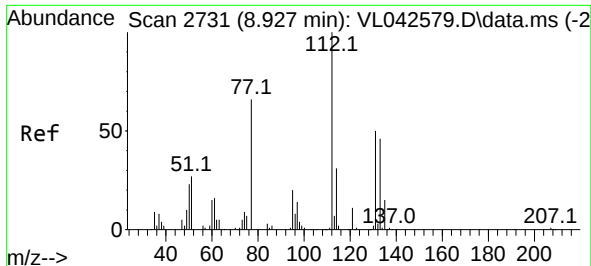
Tgt Ion:117 Resp: 230915
Ion Ratio Lower Upper
117 100
82 64.9 51.2 76.8
119 32.1 26.3 39.5



#56
1,1,1,2-Tetrachloroethane
Concen: 0.009 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion:131 Resp: 104
Ion Ratio Lower Upper
131 100
133 773.1 75.0 112.6#
119 0.0 50.8 76.2#

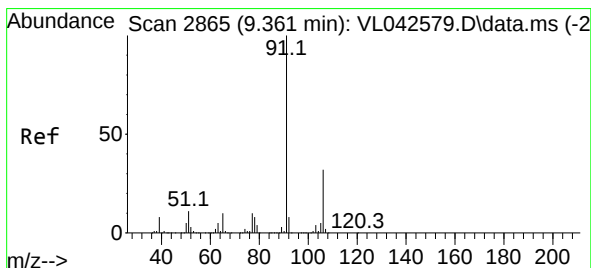
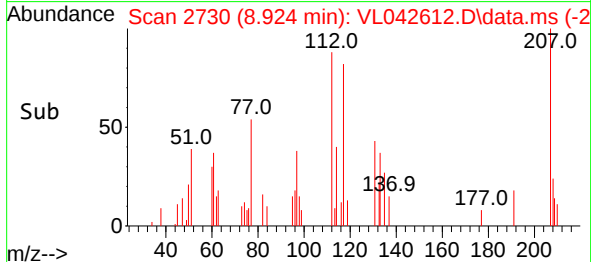
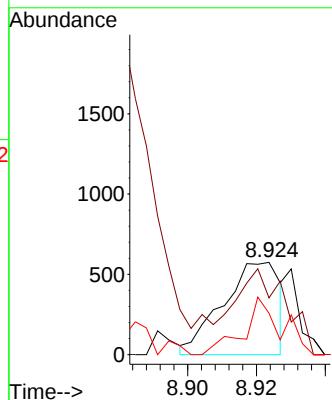
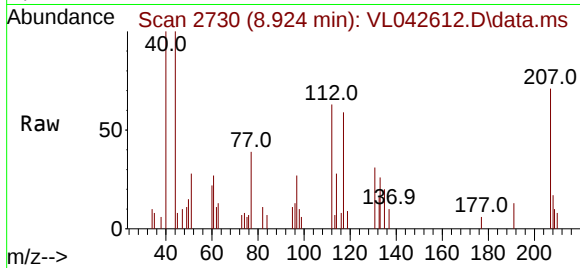




#57
Chlorobenzene
Concen: 0.029 ppbv
RT: 8.924 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

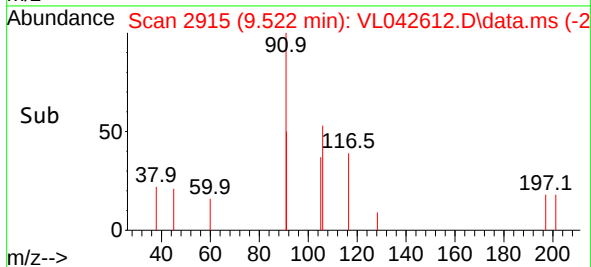
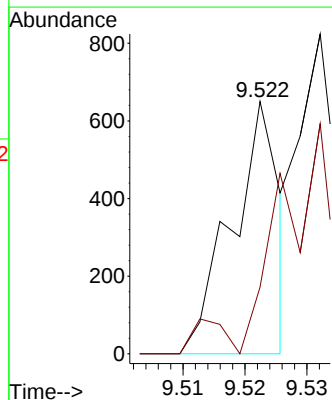
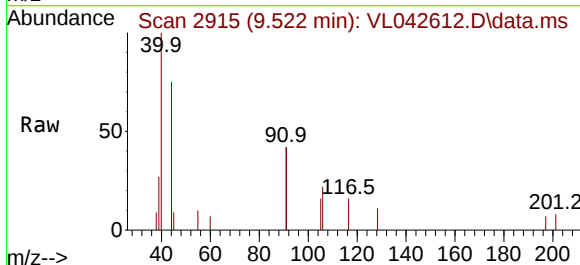
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

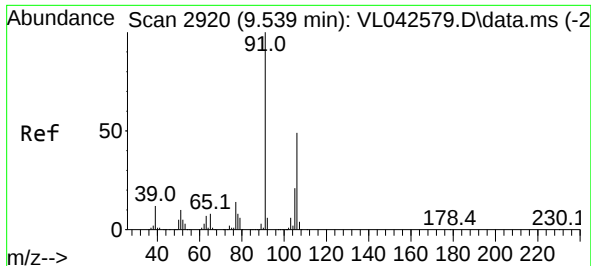
Tgt Ion:112 Resp: 660
Ion Ratio Lower Upper
112 100
77 14.1 53.5 80.3#
114 39.0 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.009 ppbv
RT: 9.522 min Scan# 2915
Delta R.T. 0.162 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 91 Resp: 347
Ion Ratio Lower Upper
91 100
106 26.5 25.9 38.9





#59

m/p-Xylene

Concen: 0.011 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.006 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

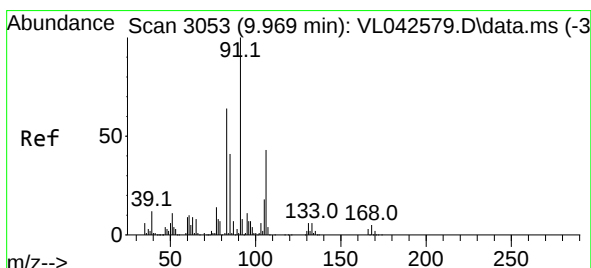
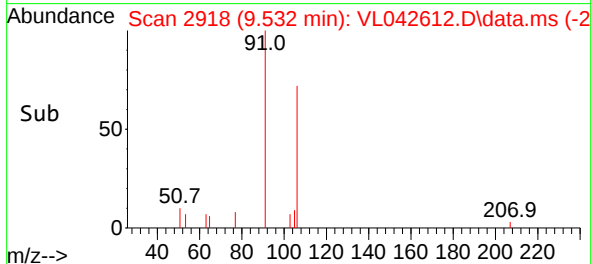
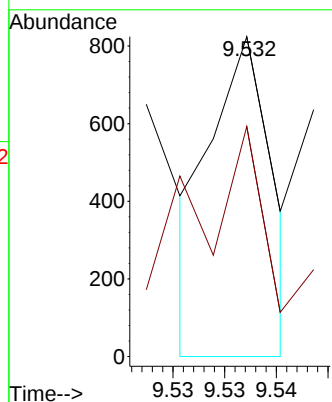
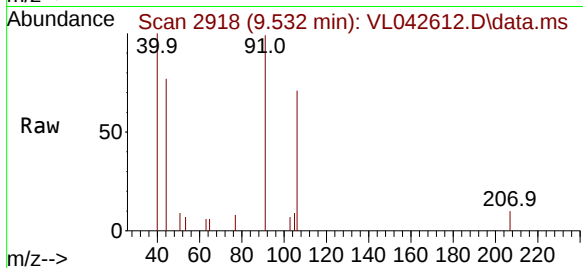
LOQ-AIR-02-QT2-2025

Tgt Ion: 91 Resp: 341

Ion Ratio Lower Upper

91 100

106 194.7 38.8 58.2#



#60

o-Xylene

Concen: 0.016 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.010 min

Lab File: VL042612.D

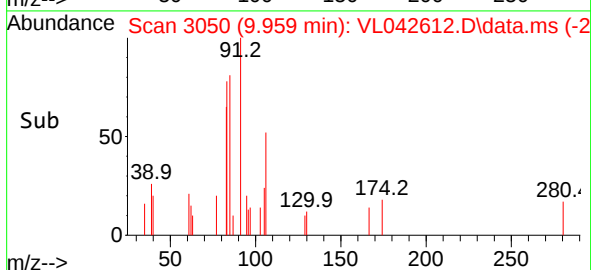
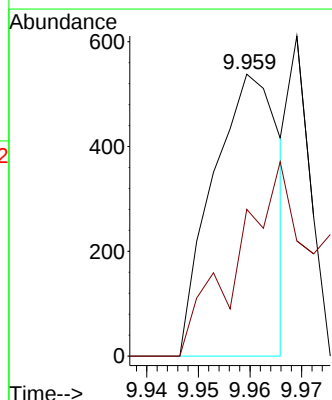
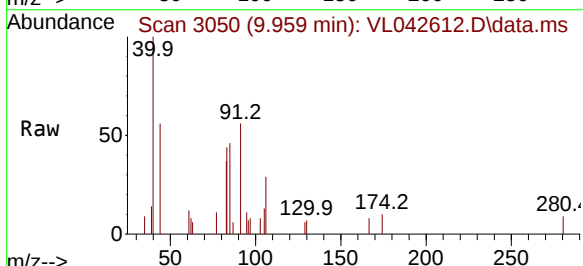
Acq: 03 Jun 2025 15:45

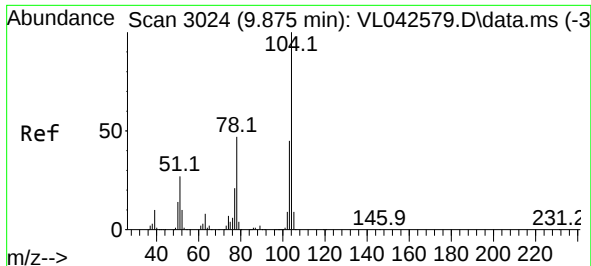
Tgt Ion: 91 Resp: 479

Ion Ratio Lower Upper

91 100

106 0.0 22.9 68.5#

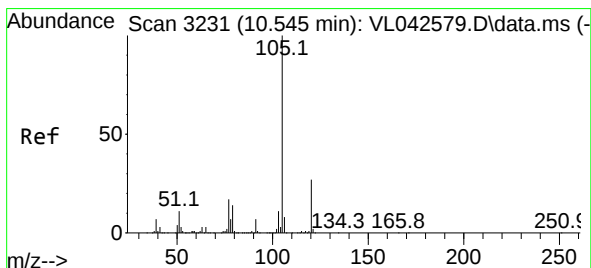
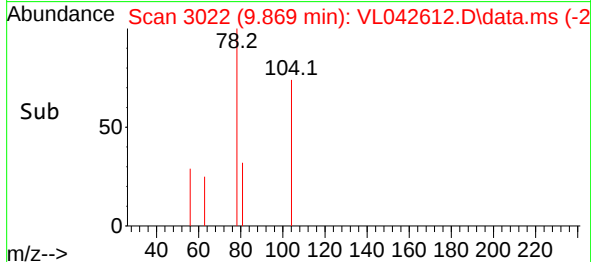
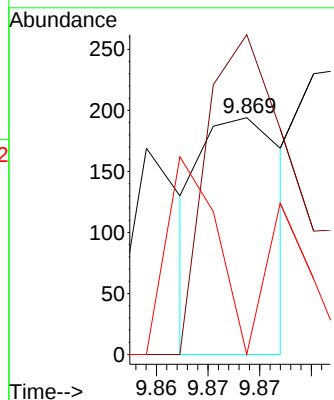
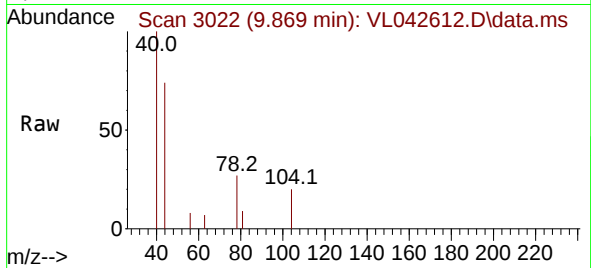




#61
Styrene
Concen: 0.007 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

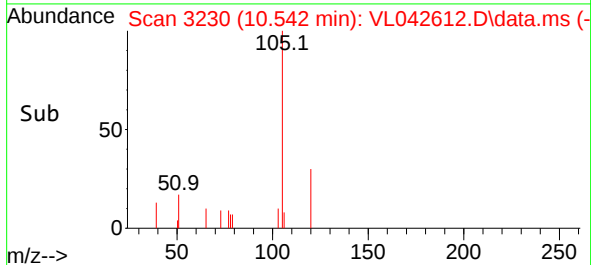
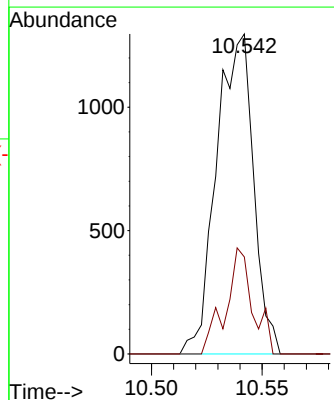
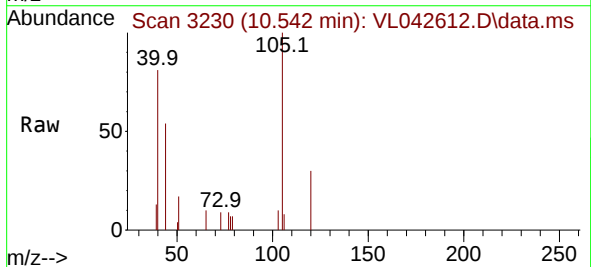
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

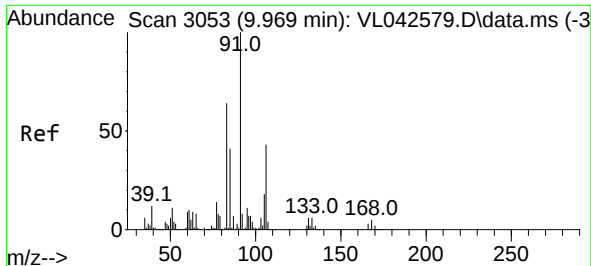
Tgt Ion:104 Resp: 107
Ion Ratio Lower Upper
104 100
78 173.8 38.2 57.4#
103 0.0 36.7 55.1#



#62
Isopropylbenzene
Concen: 0.033 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion:105 Resp: 1508
Ion Ratio Lower Upper
105 100
120 24.1 20.9 31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.040 ppbv

RT: 9.959 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042612.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

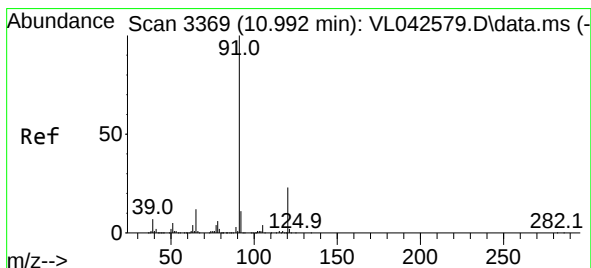
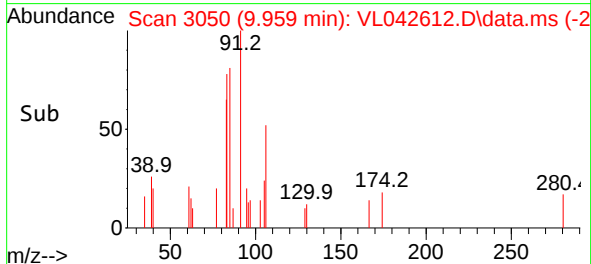
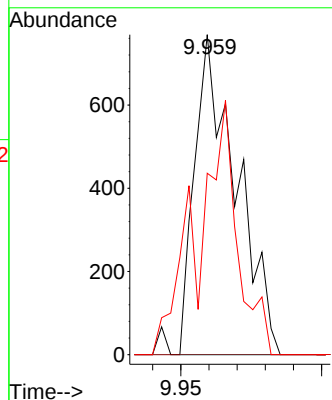
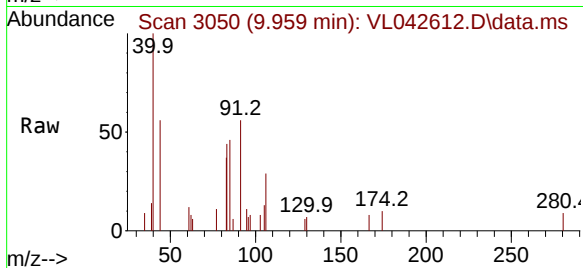
Tgt Ion: 83 Resp: 789

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 76.0 32.5 97.4



#64

n-propylbenzene

Concen: 0.021 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. -0.000 min

Lab File: VL042612.D

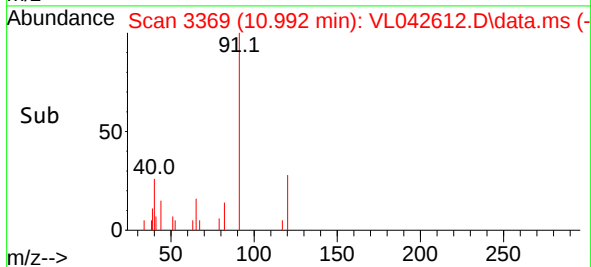
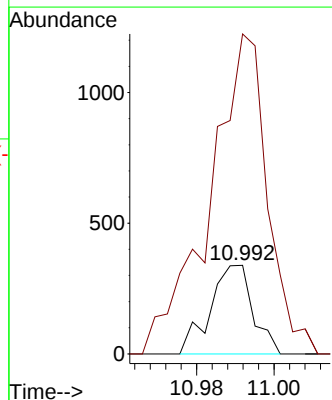
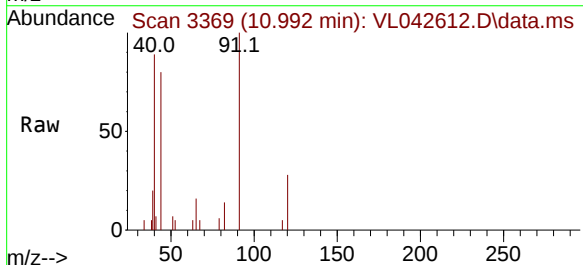
Acq: 03 Jun 2025 15:45

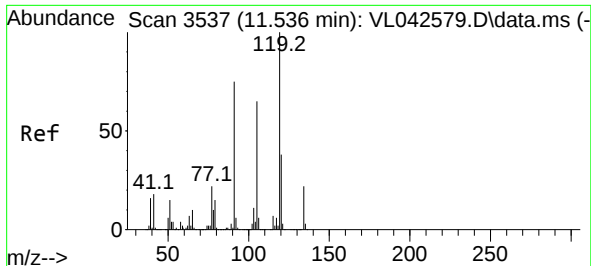
Tgt Ion: 120 Resp: 260

Ion Ratio Lower Upper

120 100

91 489.6 363.0 544.6

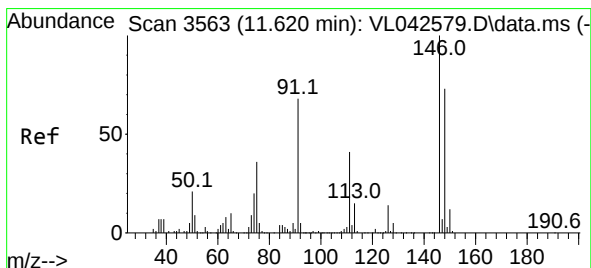
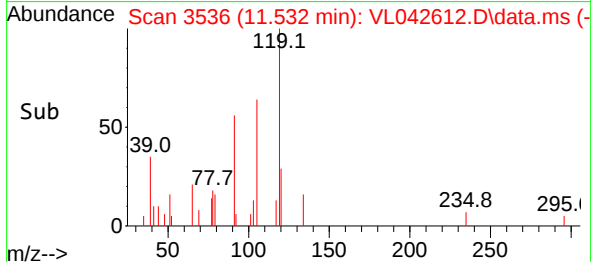
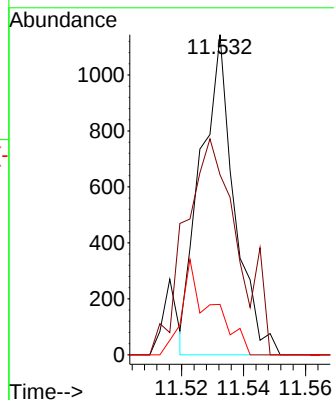
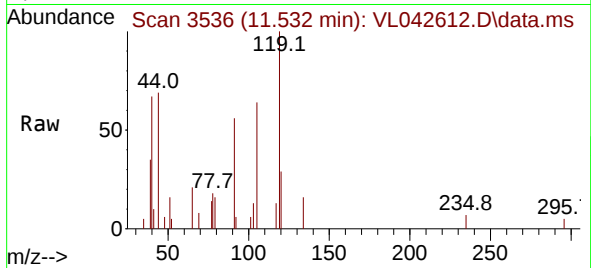




#65
tert-Butylbenzene
Concen: 0.021 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

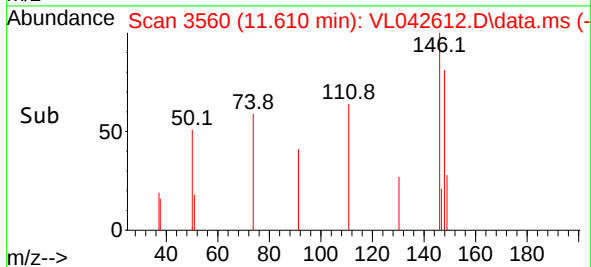
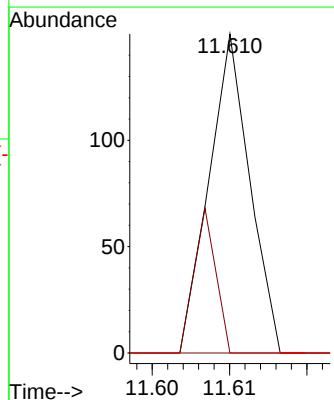
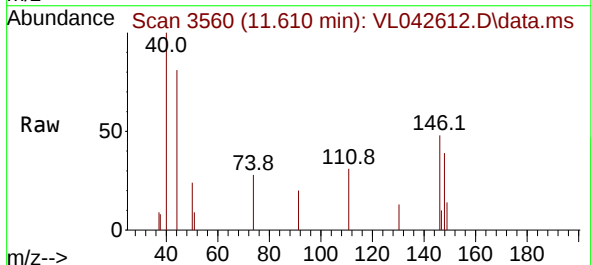
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

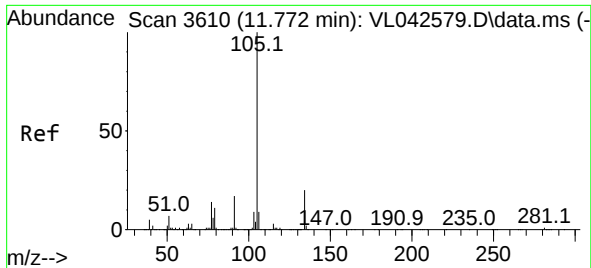
Tgt Ion:119 Resp: 863
Ion Ratio Lower Upper
119 100
91 104.8 61.1 91.7#
134 26.4 17.4 26.2#



#66
Benzyl Chloride
Concen: 0.010 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 91 Resp: 55
Ion Ratio Lower Upper
91 100
126 0.0 15.1 22.7#
128 0.0 5.0 7.6#

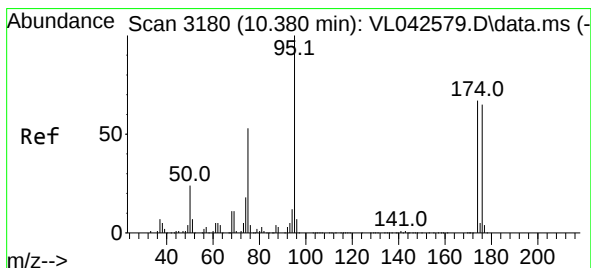
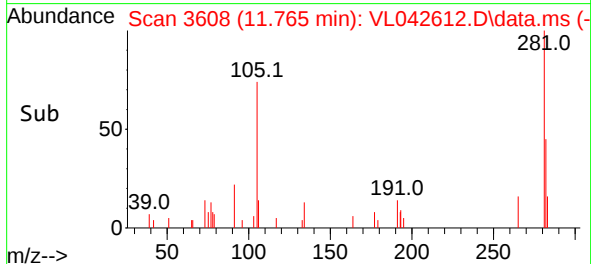
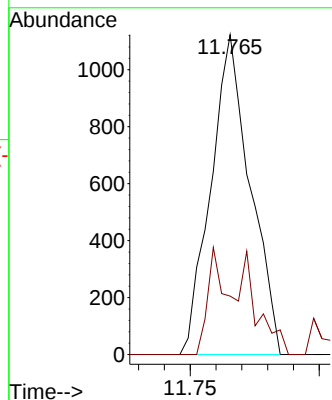
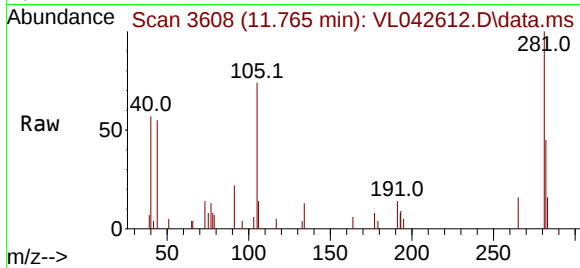




#67
 sec-Butylbenzene
 Concen: 0.021 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.006 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

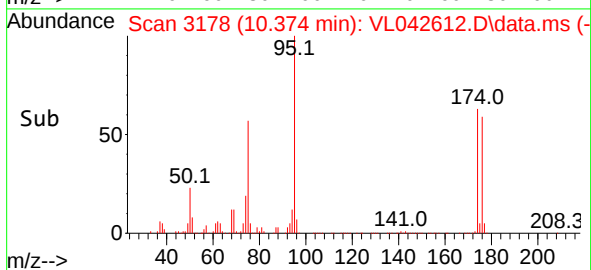
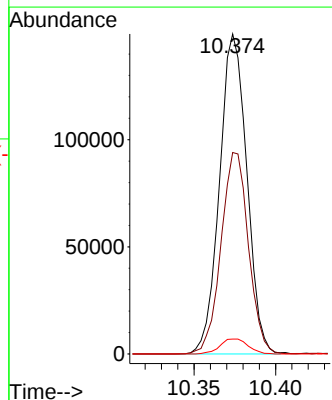
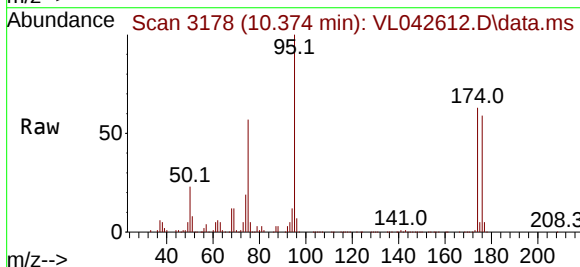
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

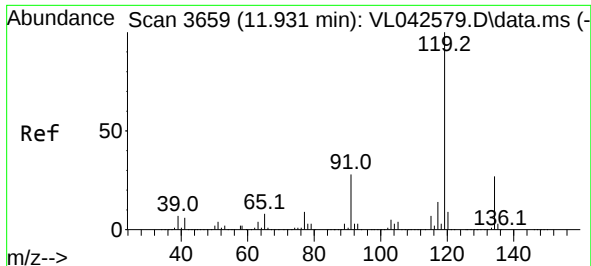
Tgt Ion:105 Resp: 1190
 Ion Ratio Lower Upper
 105 100
 134 34.5 15.8 23.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.032 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.007 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion: 95 Resp: 173651
 Ion Ratio Lower Upper
 95 100
 174 63.7 53.1 79.7
 175 4.8 4.2 6.2

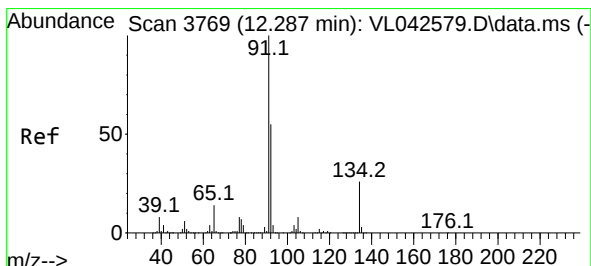
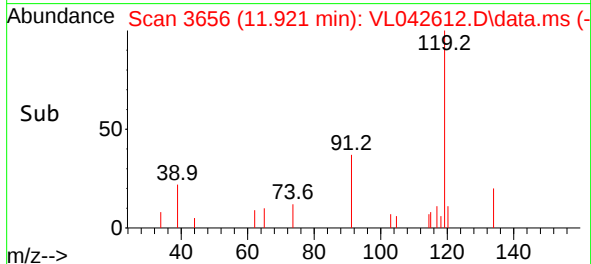
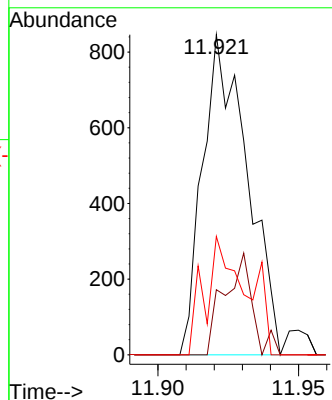
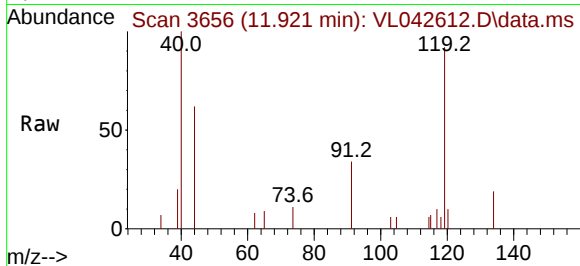




#69
p-Isopropyltoluene
Concen: 0.019 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

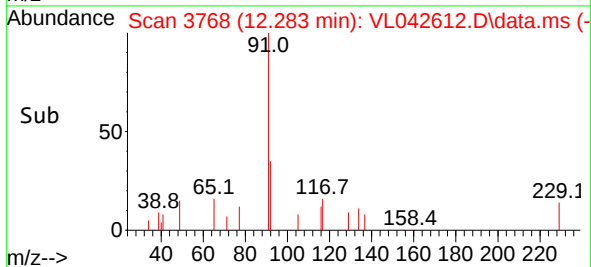
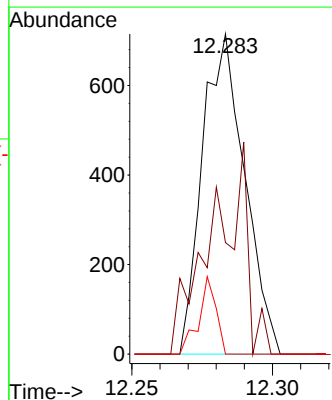
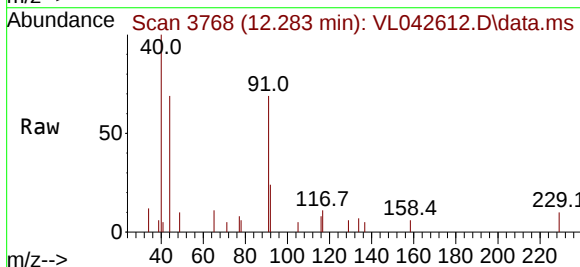
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

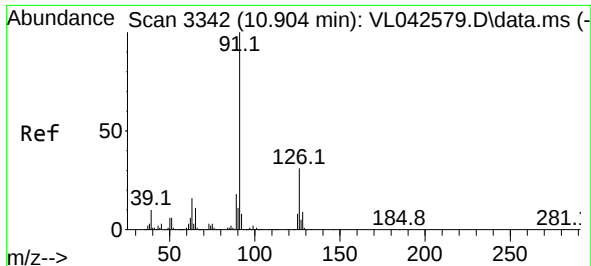
Tgt Ion:119 Resp: 930
Ion Ratio Lower Upper
119 100
134 20.1 21.1 31.7#
91 34.0 21.9 32.9#



#70
n-Butylbenzene
Concen: 0.016 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 91 Resp: 746
Ion Ratio Lower Upper
91 100
92 55.5 44.4 66.6
134 9.9 20.1 30.1#

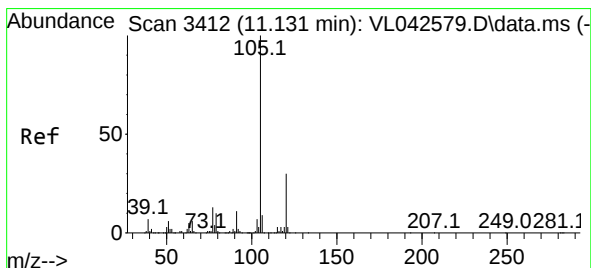
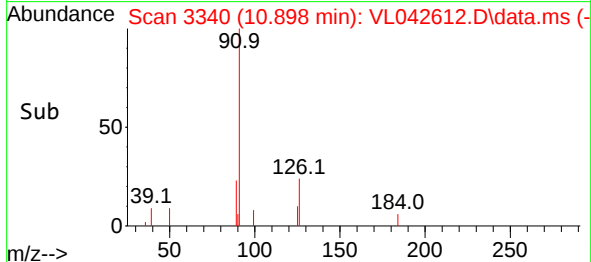
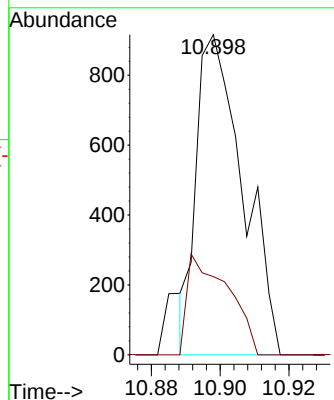
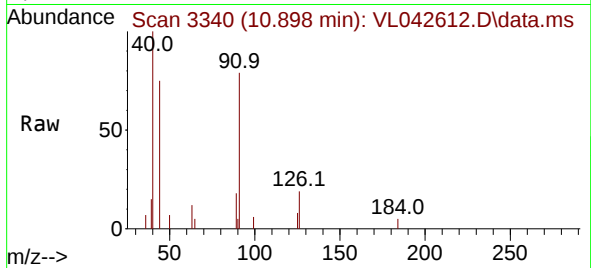




#71
2-Chlorotoluene
Concen: 0.025 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

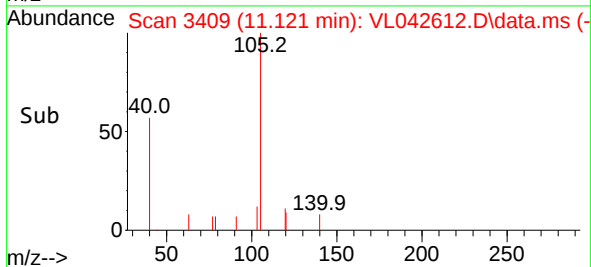
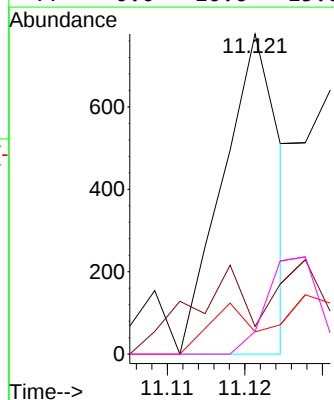
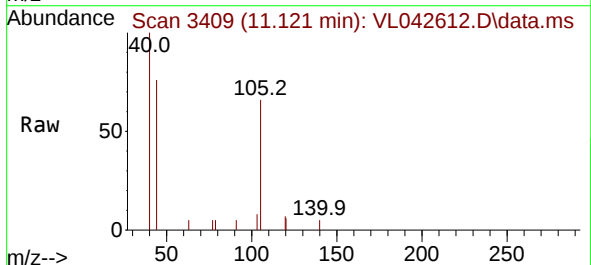
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

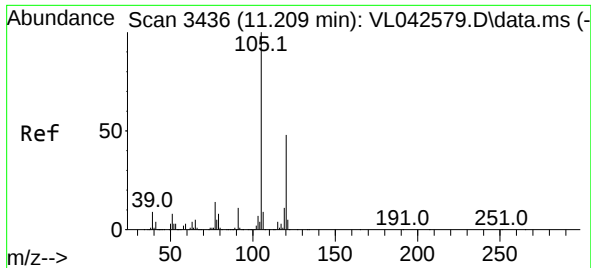
Tgt Ion: 91 Resp: 861
Ion Ratio Lower Upper
91 100
126 27.6 12.6 50.4



#72
4-Ethyltoluene
Concen: 0.010 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion: 105 Resp: 396
Ion Ratio Lower Upper
105 100
120 0.0 24.6 36.8#
91 0.0 9.6 14.4#
77 0.0 10.6 15.8#

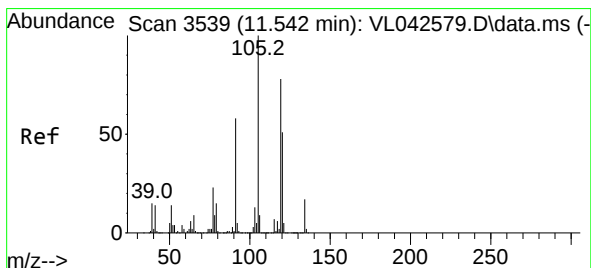
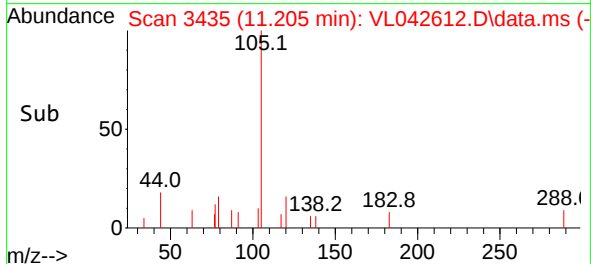
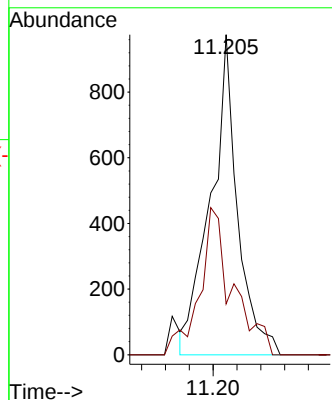
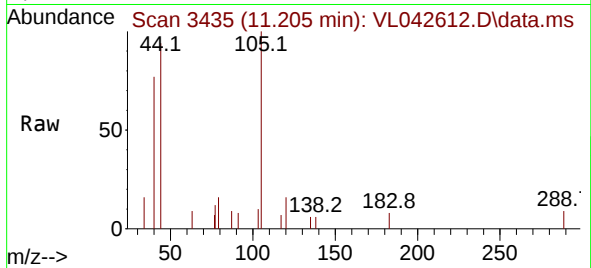




#73
 1,3,5-Trimethylbenzene
 Concen: 0.024 ppbv
 RT: 11.205 min Scan# 3436
 Delta R.T. -0.003 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

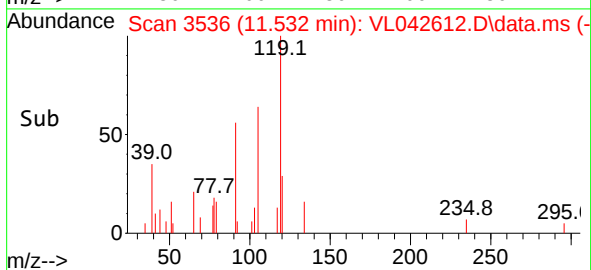
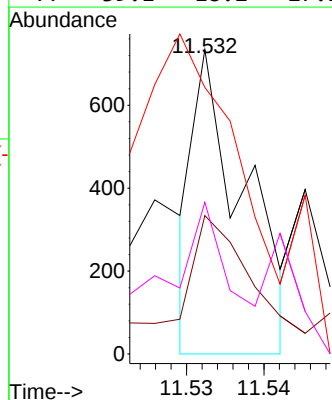
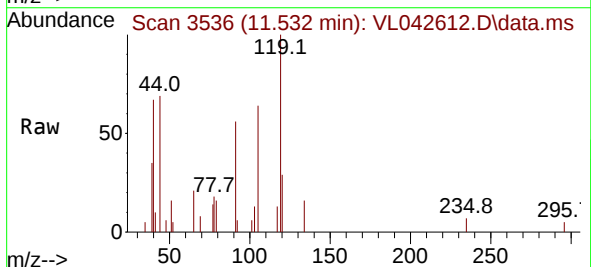
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

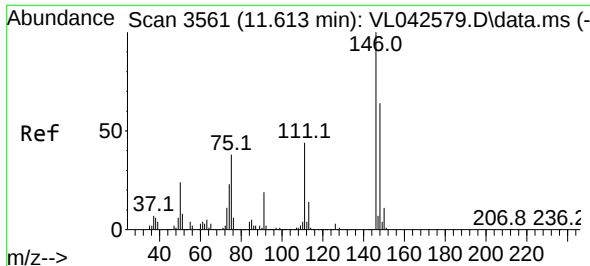
Tgt Ion:105 Resp: 762
 Ion Ratio Lower Upper
 105 100
 120 15.9 38.8 58.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.009 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.010 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Tgt Ion:105 Resp: 334
 Ion Ratio Lower Upper
 105 100
 120 47.2 40.8 61.2
 91 89.4 46.8 70.2#
 77 39.1 18.2 27.2#

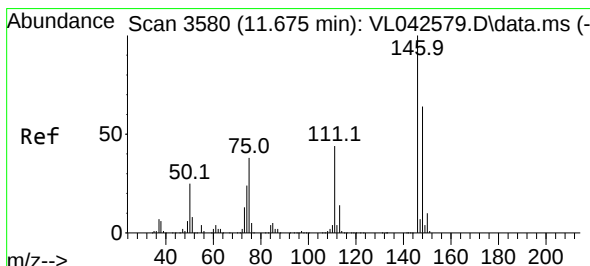
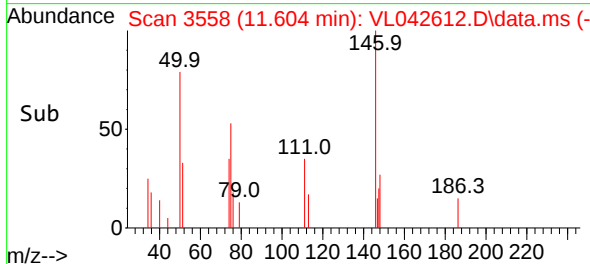
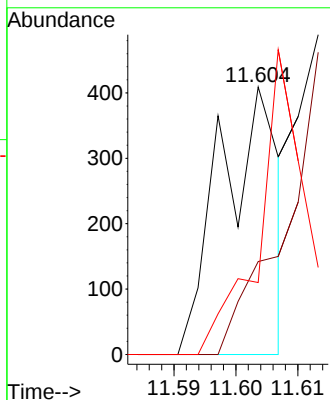
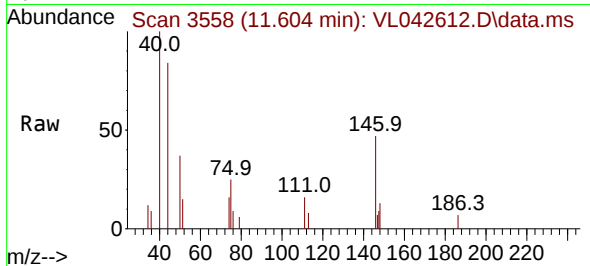




#75
1,3-Dichlorobenzene
Concen: 0.012 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

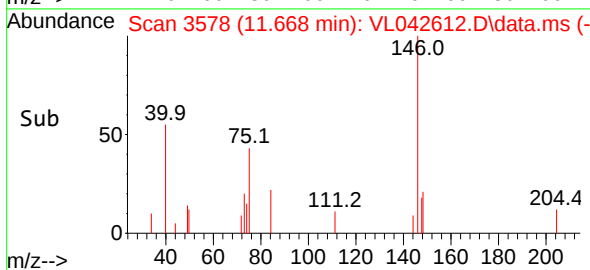
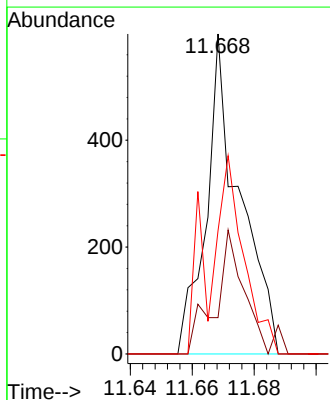
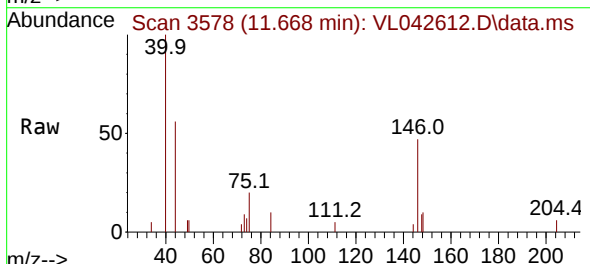
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

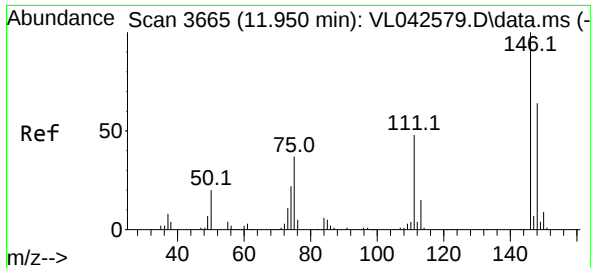
Tgt Ion:146 Resp: 267
Ion Ratio Lower Upper
146 100
111 0.0 22.4 67.3#
148 95.5 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 0.020 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion:146 Resp: 447
Ion Ratio Lower Upper
146 100
111 35.3 21.6 64.8
148 63.8 32.1 96.5

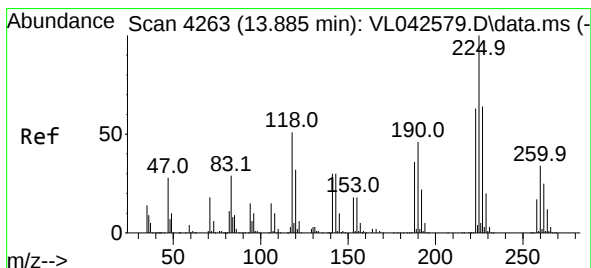
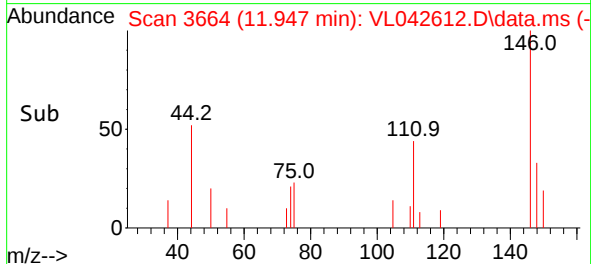
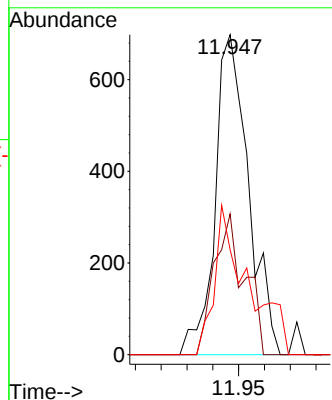
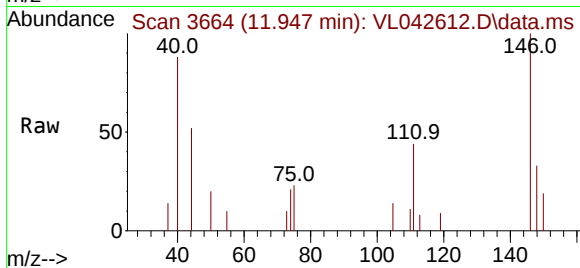




#77
1,2-Dichlorobenzene
Concen: 0.029 ppbv
RT: 11.947 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

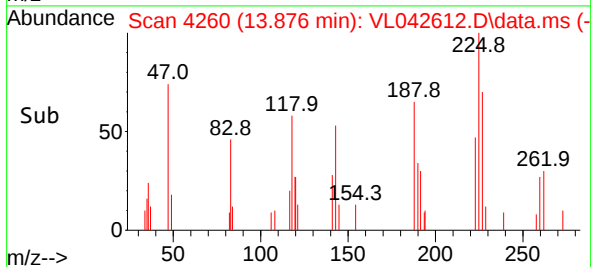
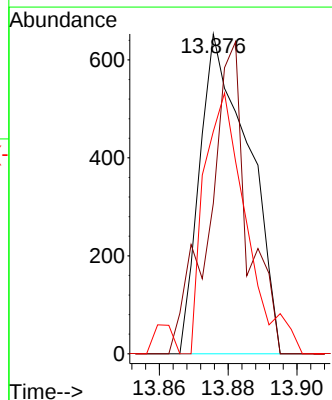
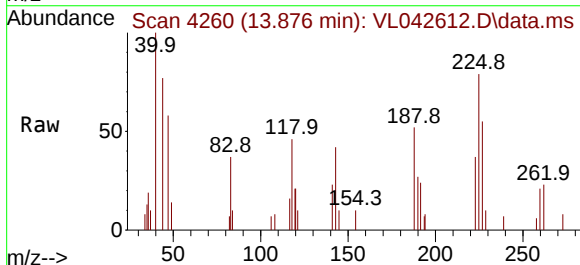
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

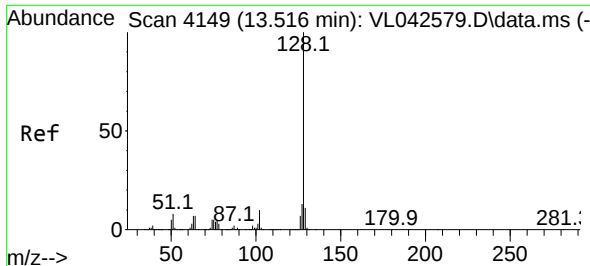
Tgt Ion:146	Resp:	627	
Ion	Ratio	Lower	Upper
146	100		
111	40.2	23.1	69.3
148	46.6	32.1	96.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.036 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

Tgt Ion:225	Resp:	643	
Ion	Ratio	Lower	Upper
225	100		
223	76.2	50.2	75.4#
227	74.2	51.1	76.7

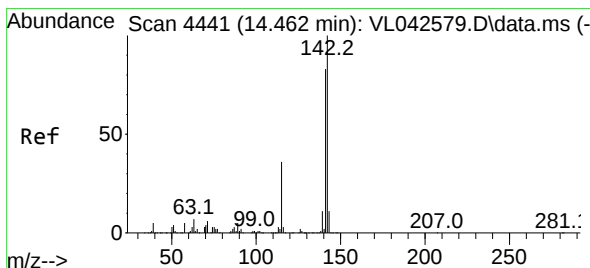
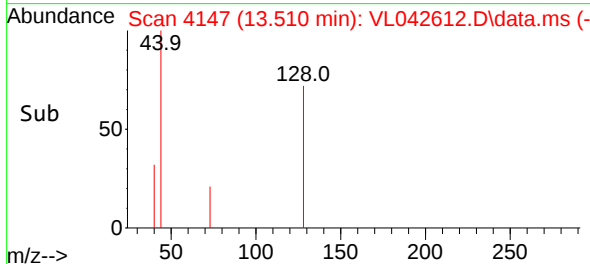
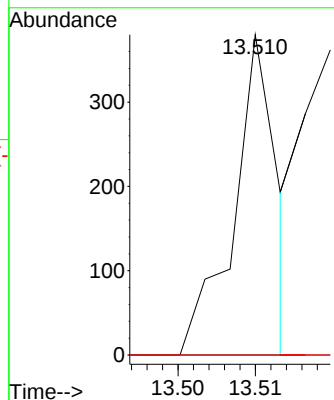
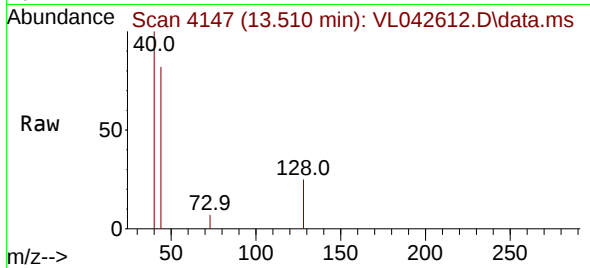




#79
Naphthalene
Concen: 0.004 ppbv
RT: 13.510 min Scan# 4149
Delta R.T. -0.006 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

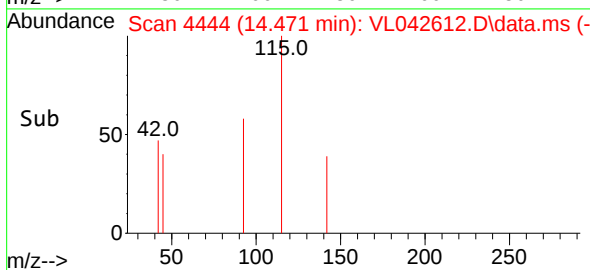
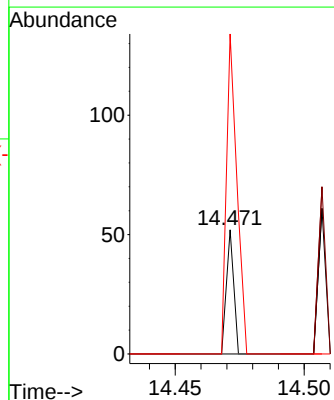
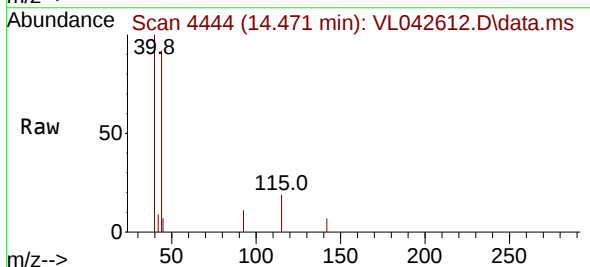
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

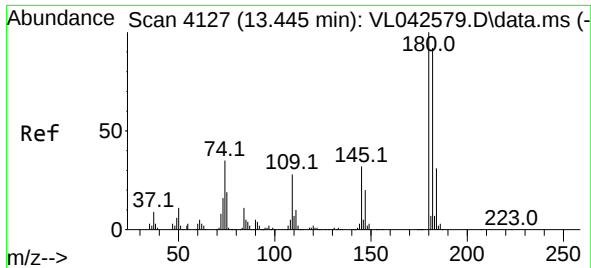
Tgt Ion:128 Resp: 149
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.001 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.010 min
Lab File: VL042612.D
Acq: 03 Jun 2025 15:45

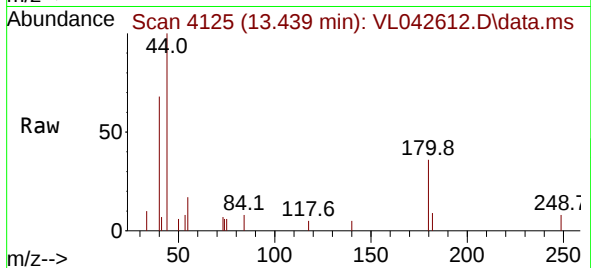
Tgt Ion:142 Resp: 10
Ion Ratio Lower Upper
142 100
141 230.0 66.2 99.4#
115 370.0 28.3 42.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.012 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042612.D
 Acq: 03 Jun 2025 15:45

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion:	180	Resp:	218
Ion	Ratio	Lower	Upper
180	100		
182	90.8	75.0	112.4
184	4.6	24.6	36.8#

