

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043052.D
 Acq On : 06 Oct 2025 14:11
 Operator : SY/MD
 Sample : Q2893-14 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 07 01:39:58 2025

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	174188	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	473182	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.875	117	378982	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 259613 9.509 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	1224	0.042	ppbv	92
3) Chlorodifluoromethane	1.476	51	1023	0.036	ppbv	93
4) Chloromethane	1.531	50	602	0.056	ppbv	92
5) Vinyl Chloride	1.580	62	431	0.042	ppbv #	80
6) Bromomethane	1.664	94	222	0.049	ppbv #	80
7) Chloroethane	1.703	64	287	0.068	ppbv #	82
8) Dichlorotetrafluoroethane	1.554	85	1076	0.045	ppbv	100
9) Propene	1.483	41	358	0.031	ppbv #	34
10) Heptane	4.978	43	142	0.005	ppbv #	27
11) Trichlorofluoromethane	2.136	101	963	0.032	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	963	0.041	ppbv	83
13) Ethanol	1.431	45	32926	41.575	ppbv	90
14) Bromoethene	1.777	108	442	0.052	ppbv #	45
15) Acetone	1.835	43	2515	0.103	ppbv #	60
16) 1,3-Butadiene	1.606	39	914	0.091	ppbv #	75
17) tert-Butyl alcohol	2.039	59	1135	0.044	ppbv #	60
18) 1,1-Dichloroethene	2.030	96	504	0.048	ppbv #	93
19) Isopropyl Alcohol	1.431	45	32926	2.818	ppbv #	25
20) Methylene Chloride	2.059	84	2906	0.273	ppbv #	95
21) Allyl Chloride	2.094	41	762	0.049	ppbv #	48
22) trans-1,2-Dichloroethene	2.030	96	504	0.043	ppbv	83
23) Vinyl Acetate	2.463	43	259	0.050	ppbv #	46
24) 1,1-Dichloroethane	2.412	63	477	0.021	ppbv #	87
25) Ethyl Acetate	2.829	43	464	0.008	ppbv #	74
26) Hexane	2.819	57	600	0.025	ppbv #	1
27) Carbon Disulfide	2.149	76	1132	0.041	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	511	0.035	ppbv #	75
29) Chloroform	2.845	83	1674	0.042	ppbv #	78
30) Cyclohexane	3.855	84	127	0.007	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	820	0.034	ppbv #	70
32) 1,1,1-Trichloroethane	3.366	97	1365	0.035	ppbv #	92
34) 2-Butanone	2.560	43	1570	0.049	ppbv	93
35) Carbon Tetrachloride	3.774	117	61	0.002	ppbv	85
36) Benzene	3.648	78	1141	0.025	ppbv #	78
37) 1,2-Dichloroethane	3.214	62	236	0.009	ppbv #	49
38) Trichloroethene	4.541	130	525	0.028	ppbv #	64
39) 1,2-Dichloropropane	3.952	63	118707	7.084	ppbv #	23
40) 1,4-Dioxane	4.600	88	113	0.016	ppbv #	29
41) Tetrahydrofuran	3.065	42	385	0.023	ppbv	95
42) Bromodichloromethane	4.477	83	766	0.020	ppbv #	87
43) Methyl Methacrylate	4.878	69	107	0.007	ppbv #	1
44) 2,2,4-Trimethylpentane	4.632	57	669	0.009	ppbv #	1
45) t-1,3-Dichloropropene	6.406	75	90	0.007	ppbv #	31

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

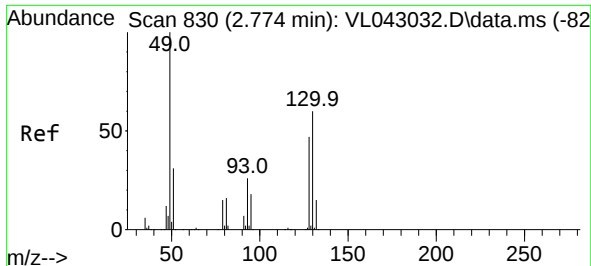
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Oct 07 01:38:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.600	75	245	0.013	ppbv	#	50
47) 1,1,2-Trichloroethane	6.574	97	232	0.012	ppbv	#	26
48) Dibromochloromethane	7.386	129	392	0.013	ppbv	#	11
49) Bromoform	9.477	173	564	0.022	ppbv		91
50) 4-Methyl-2-Pentanone	5.752	43	164	0.004	ppbv	#	39
51) 2-Hexanone	7.435	43	104	0.004	ppbv	#	29
52) Tetrachloroethene	8.225	164	202	0.012	ppbv	#	61
53) Toluene	6.933	91	207	0.005	ppbv	#	21
54) 1,2-Dibromoethane	7.652	107	703	0.032	ppbv	#	55
56) 1,1,1,2-Tetrachloroethane	8.914	131	1042	0.045	ppbv	#	1
57) Chlorobenzene	8.917	112	1700	0.042	ppbv	#	95
58) Ethyl Benzene	9.348	91	881	0.015	ppbv		97
59) m/p-Xylene	9.548	91	498	0.010	ppbv	#	1
60) o-Xylene	9.956	91	1123	0.023	ppbv		93
61) Styrene	9.862	104	212	0.010	ppbv	#	59
62) Isopropylbenzene	10.539	105	1646	0.022	ppbv		92
63) 1,1,2,2-Tetrachloroethane	9.959	83	1167	0.033	ppbv		97
64) n-propylbenzene	10.989	120	233	0.012	ppbv	#	48
65) tert-Butylbenzene	11.526	119	915	0.014	ppbv	#	77
66) Benzyl Chloride	11.526	91	896	0.348	ppbv	#	65
67) sec-Butylbenzene	11.762	105	1427	0.015	ppbv		97
69) p-Isopropyltoluene	11.924	119	1017	0.013	ppbv		99
70) n-Butylbenzene	12.280	91	723	0.010	ppbv	#	86
71) 2-Chlorotoluene	10.895	91	1162	0.021	ppbv		92
72) 4-Ethyltoluene	11.128	105	253	0.004	ppbv	#	38
73) 1,3,5-Trimethylbenzene	11.209	105	141	0.003	ppbv	#	74
74) 1,2,4-Trimethylbenzene	11.542	105	95	0.002	ppbv	#	61
75) 1,3-Dichlorobenzene	11.604	146	761	0.020	ppbv		93
76) 1,4-Dichlorobenzene	11.675	146	119	0.003	ppbv	#	1
77) 1,2-Dichlorobenzene	11.950	146	815	0.022	ppbv		94
78) Hexachloro-1,3-Butadiene	13.876	225	642	0.025	ppbv	#	60
79) Naphthalene	13.520	128	126	0.004	ppbv	#	86
80) Naphthalene,2-methyl-	14.468	142	137	0.008	ppbv	#	69
81) 1,2,4-Trichlorobenzene	13.436	180	140	0.006	ppbv	#	52

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

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

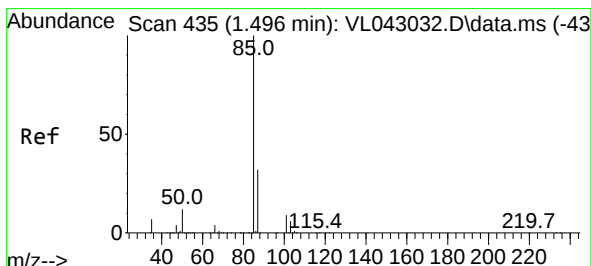
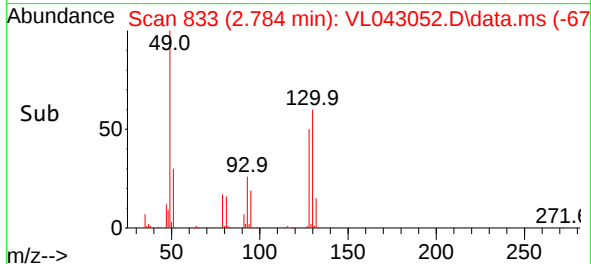
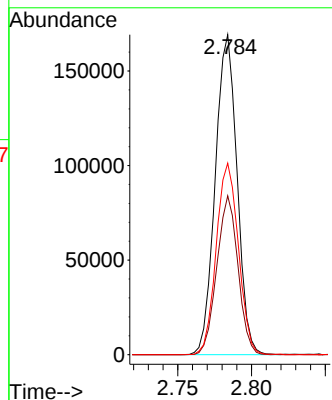
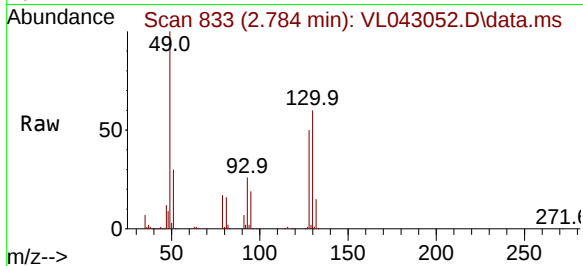
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 830
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

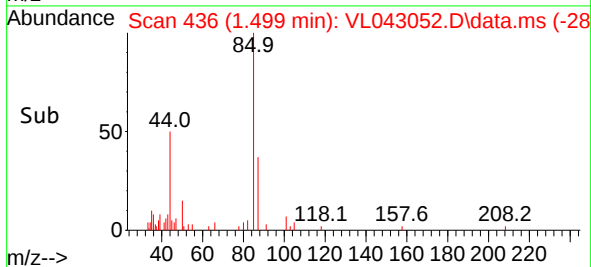
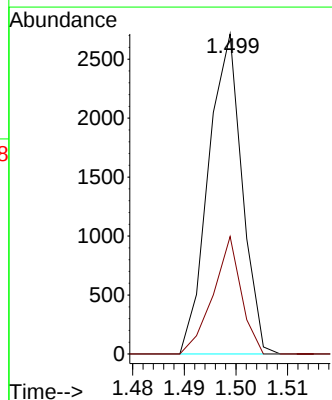
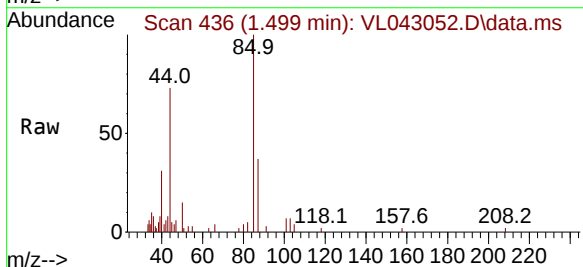
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ClientSampleId :
LOQ-AIR-02-QT3-2025

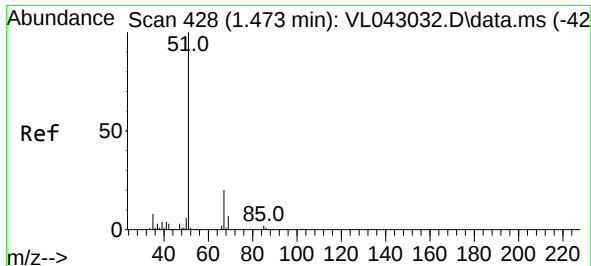
Tgt Ion: 49 Resp: 174188
Ion Ratio Lower Upper
49 100
128 48.1 24.1 72.2
130 60.8 31.4 94.3



#2
Dichlorodifluoromethane
Concen: 0.042 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 85 Resp: 1224
Ion Ratio Lower Upper
85 100
87 36.7 25.8 38.6

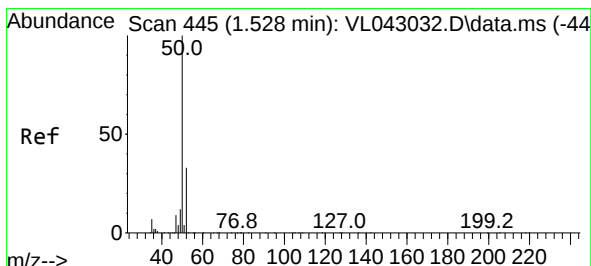
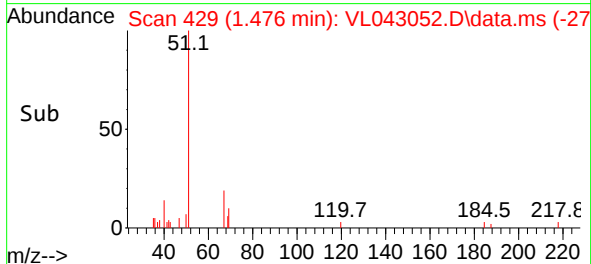
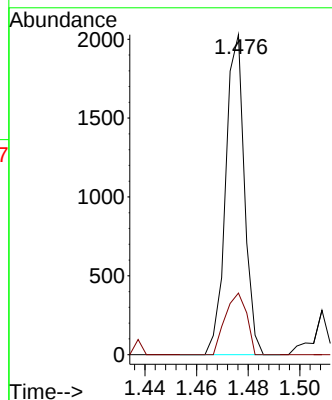
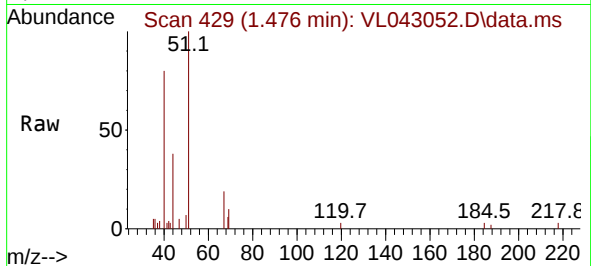




#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

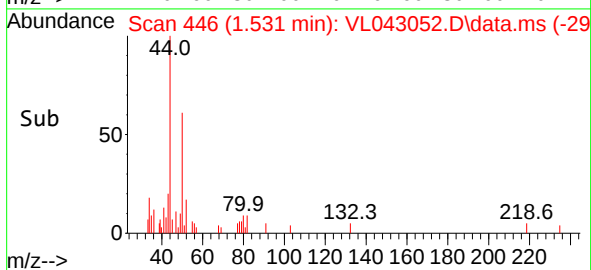
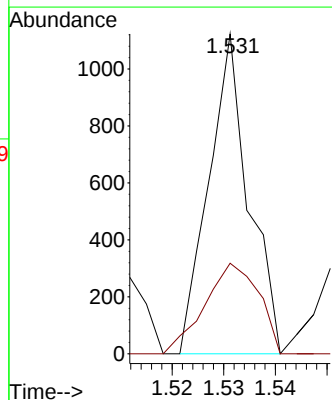
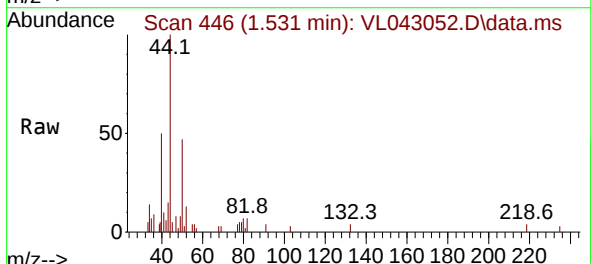
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT3-2025

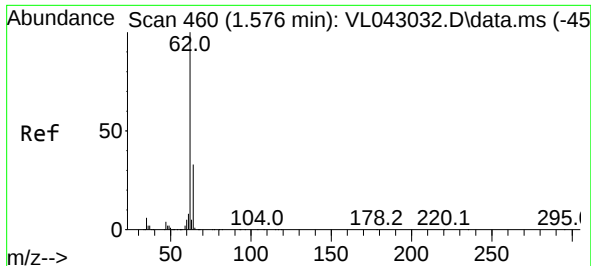
Tgt Ion: 51 Resp: 1023
Ion Ratio Lower Upper
51 100
67 22.0 15.1 22.7



#4
Chloromethane
Concen: 0.056 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 50 Resp: 602
Ion Ratio Lower Upper
50 100
52 28.3 26.2 39.2

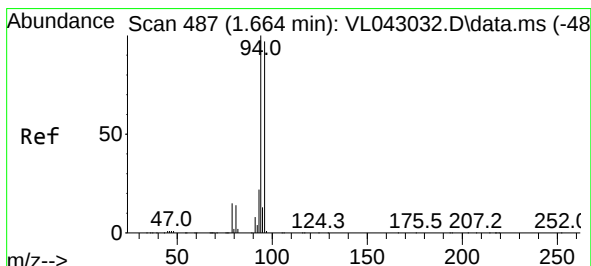
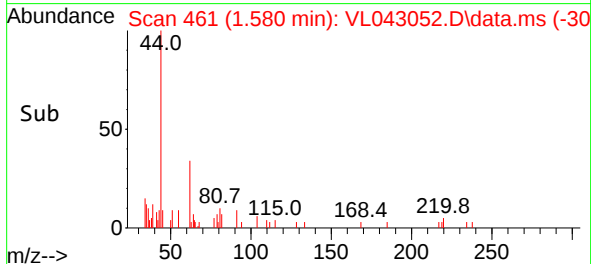
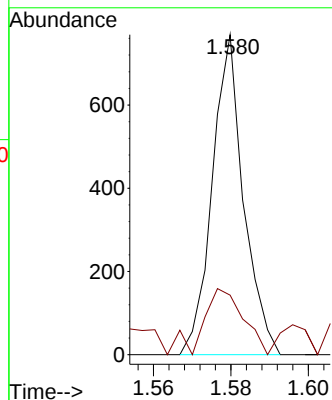
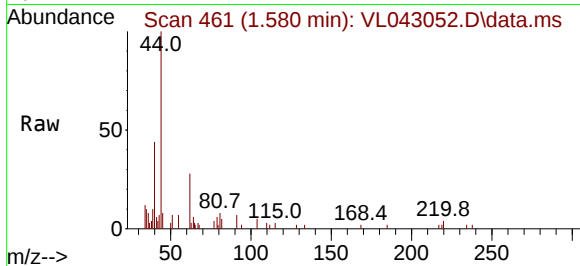




#5
 Vinyl Chloride
 Concen: 0.042 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

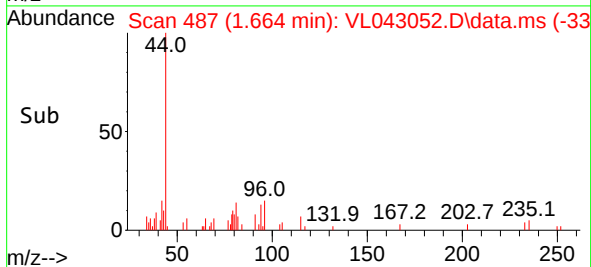
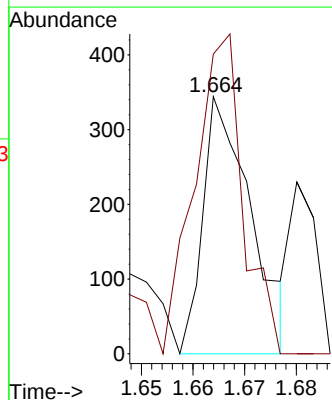
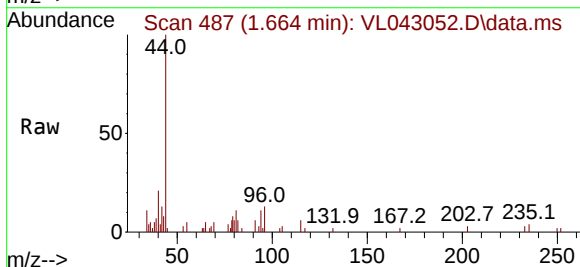
Instrument :
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 LOQ-AIR-02-QT3-2025

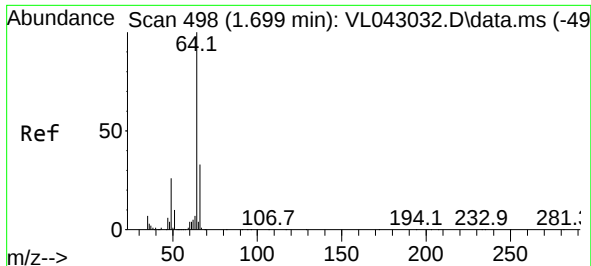
Tgt Ion: 62 Resp: 431
 Ion Ratio Lower Upper
 62 100
 64 21.5 26.2 39.2#



#6
 Bromomethane
 Concen: 0.049 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.000 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion: 94 Resp: 222
 Ion Ratio Lower Upper
 94 100
 96 116.6 77.6 116.4#

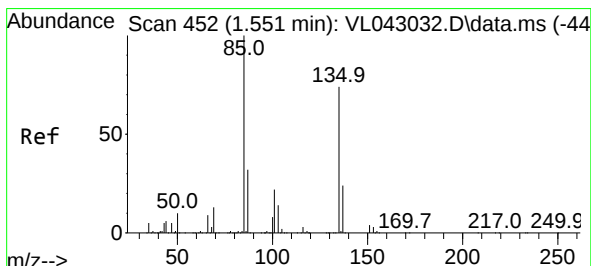
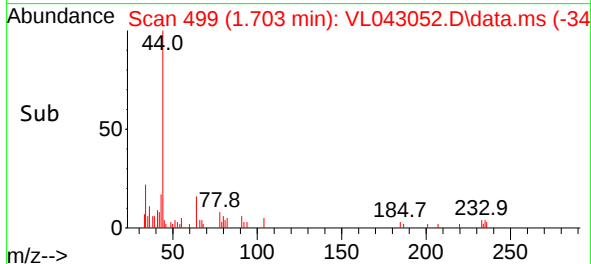
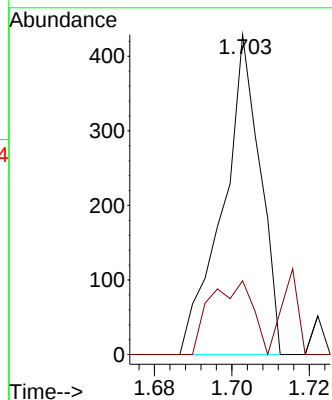
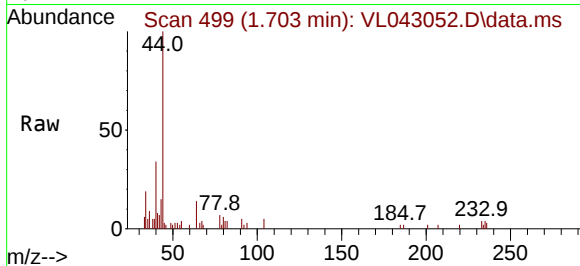




#7
Chloroethane
Concen: 0.068 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

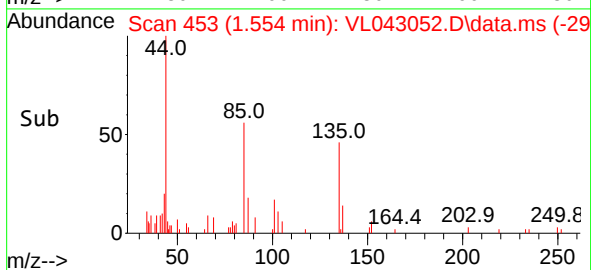
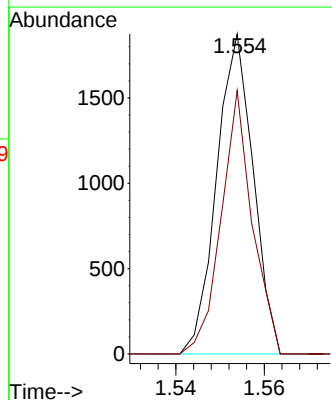
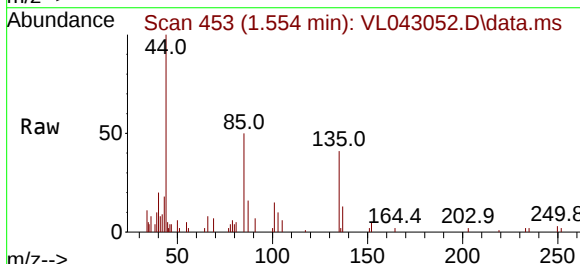
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ClientSampleId :
LOQ-AIR-02-QT3-2025

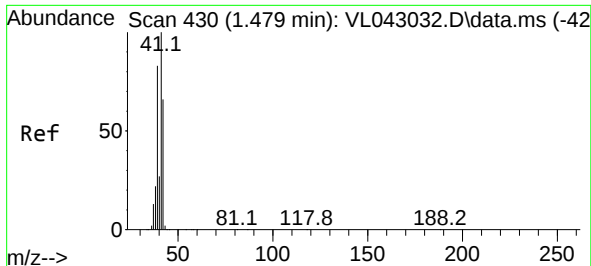
Tgt Ion: 64 Resp: 287
Ion Ratio Lower Upper
64 100
66 23.1 26.6 39.8#



#8
Dichlorotetrafluoroethane
Concen: 0.045 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 85 Resp: 1076
Ion Ratio Lower Upper
85 100
135 70.2 56.3 84.5





#9

Propene

Concen: 0.031 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

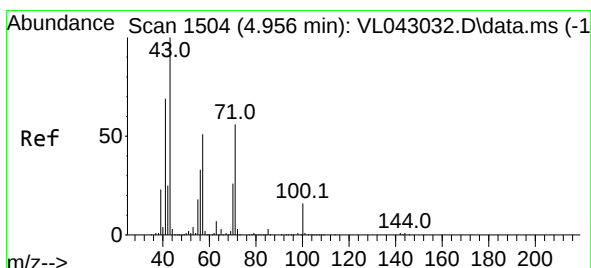
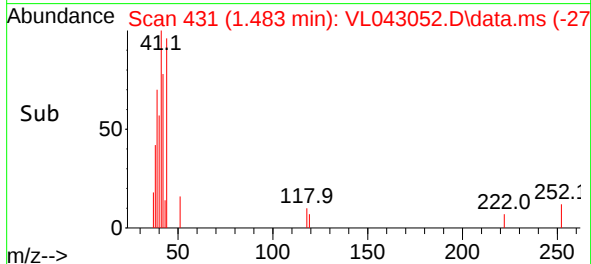
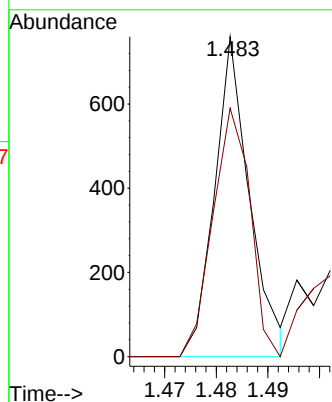
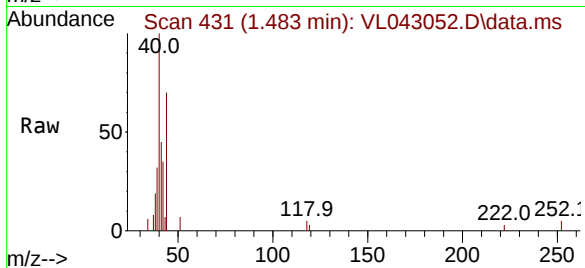
LOQ-AIR-02-QT3-2025

Tgt Ion: 41 Resp: 358

Ion Ratio Lower Upper

41 100

42 119.6 53.3 79.9#



#10

Heptane

Concen: 0.005 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.023 min

Lab File: VL043052.D

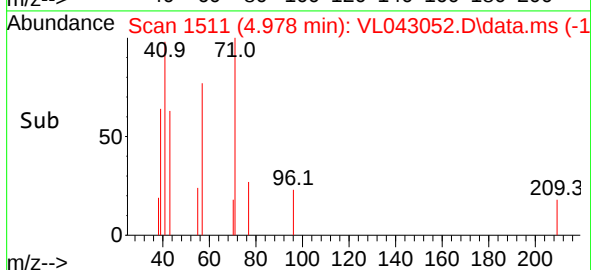
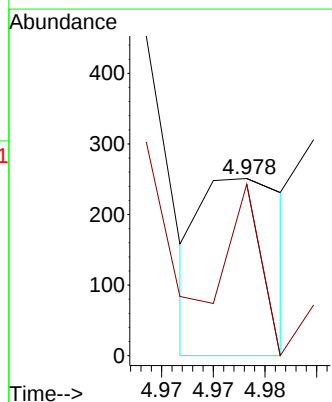
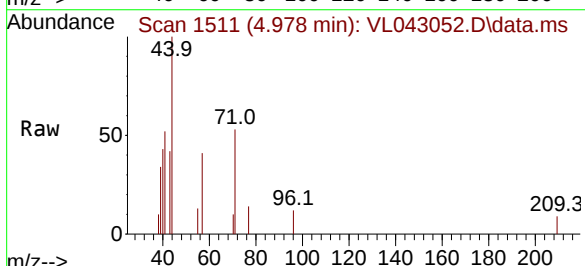
Acq: 06 Oct 2025 14:11

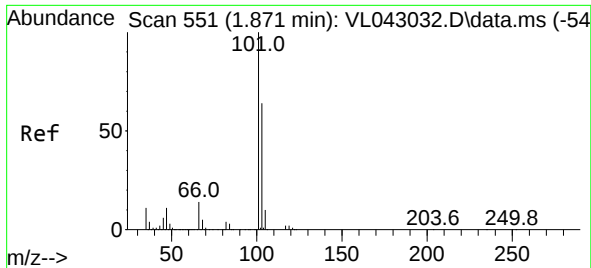
Tgt Ion: 43 Resp: 142

Ion Ratio Lower Upper

43 100

57 0.0 40.3 60.5#

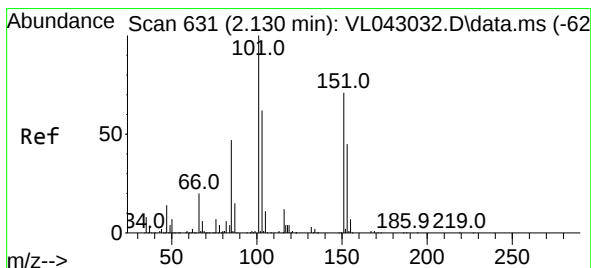
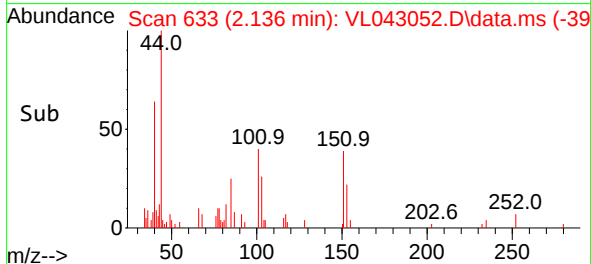
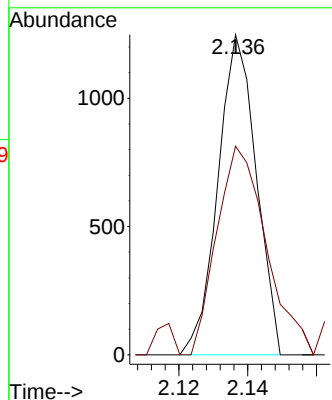
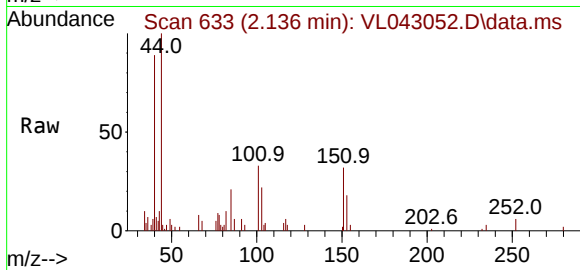




#11
 Trichlorofluoromethane
 Concen: 0.032 ppbv
 RT: 2.136 min Scan# 611
 Delta R.T. 0.265 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

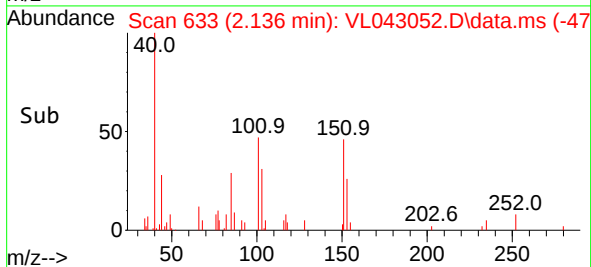
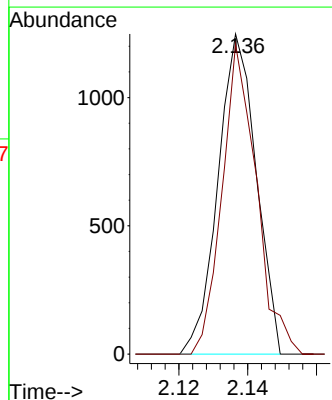
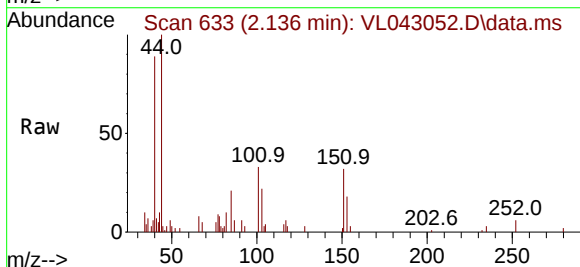
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

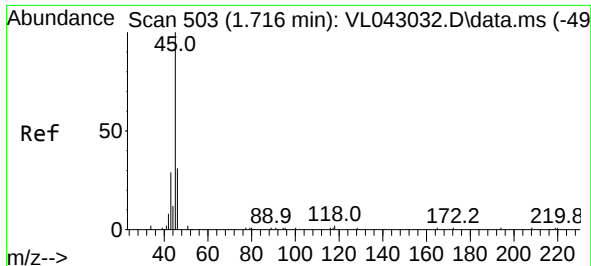
Tgt Ion:101 Resp: 963
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.041 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.007 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion:101 Resp: 963
 Ion Ratio Lower Upper
 101 100
 151 86.9 58.1 87.1

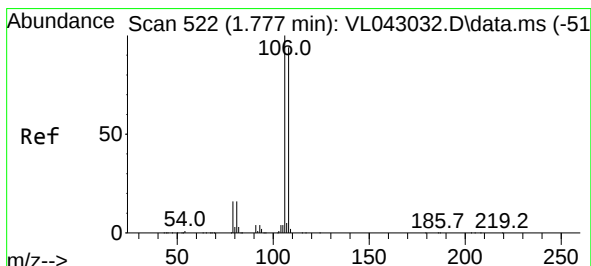
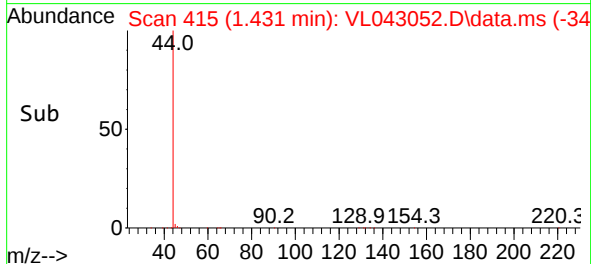
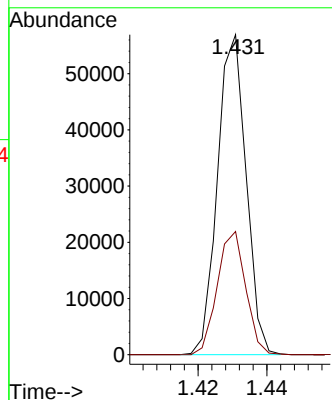
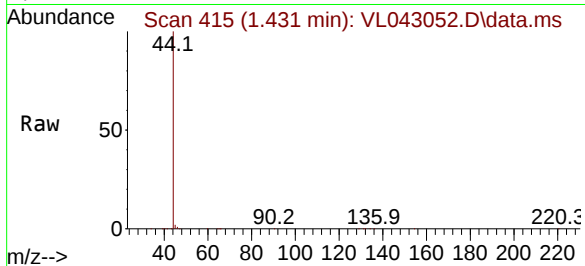




#13
Ethanol
Concen: 41.575 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.285 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

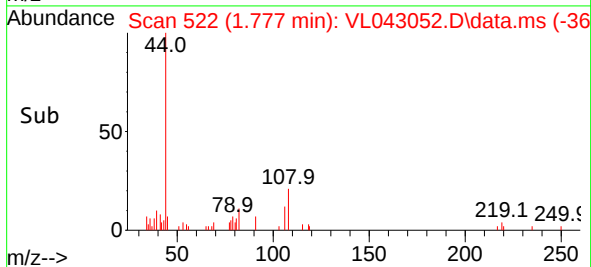
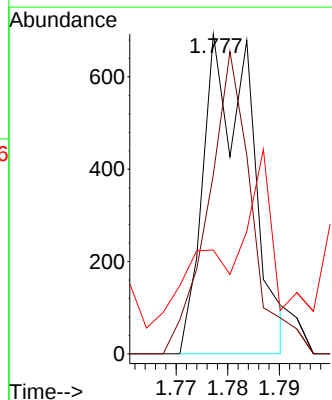
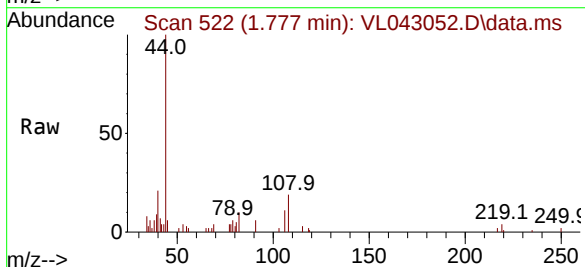
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

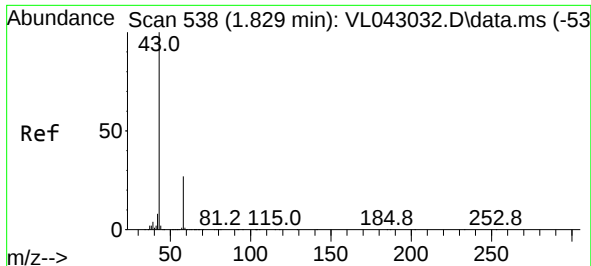
Tgt Ion: 45 Resp: 32926
Ion Ratio Lower Upper
45 100
46 38.2 17.8 71.4



#14
Bromoethene
Concen: 0.052 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion:108 Resp: 442
Ion Ratio Lower Upper
108 100
106 98.2 85.2 127.8
79 163.1 14.8 22.2#





#15

Acetone

Concen: 0.103 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.007 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

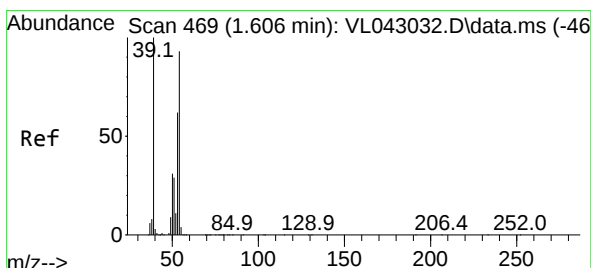
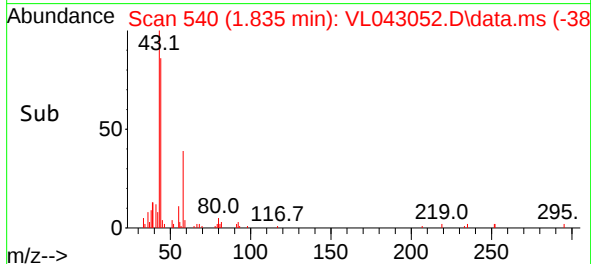
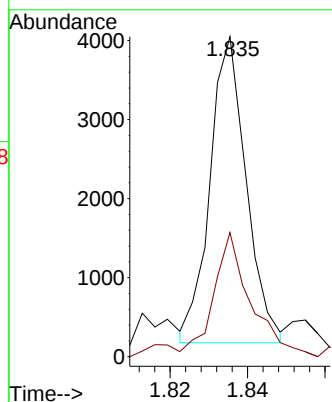
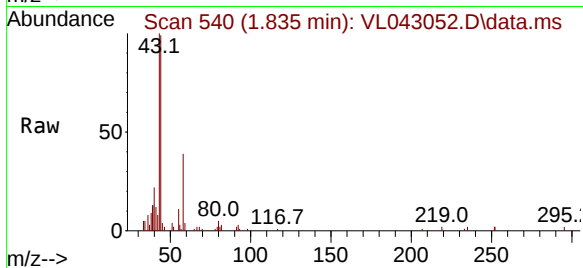
LOQ-AIR-02-QT3-2025

Tgt Ion: 43 Resp: 2515

Ion Ratio Lower Upper

43 100

58 49.0 22.2 33.4#



#16

1,3-Butadiene

Concen: 0.091 ppbv

RT: 1.606 min Scan# 469

Delta R.T. 0.000 min

Lab File: VL043052.D

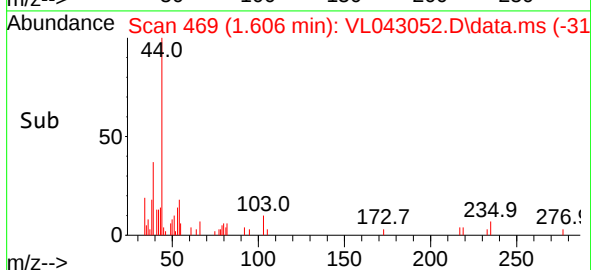
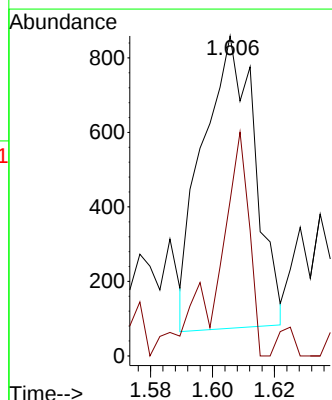
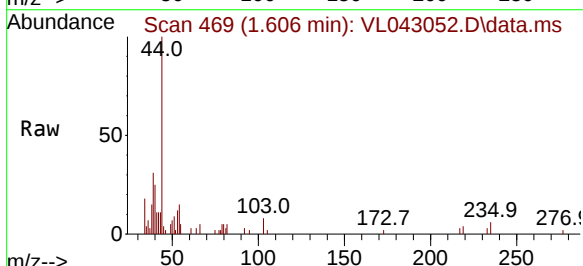
Acq: 06 Oct 2025 14:11

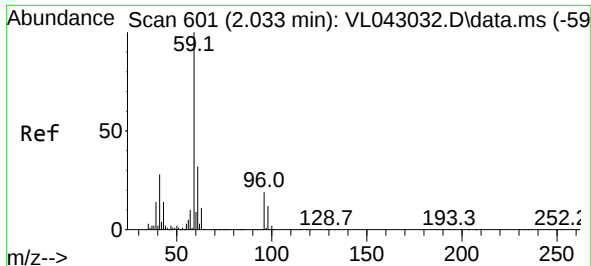
Tgt Ion: 39 Resp: 914

Ion Ratio Lower Upper

39 100

54 55.3 61.4 92.2#





#17

tert-Butyl alcohol

Concen: 0.044 ppbv

RT: 2.039 min Scan# 601

Delta R.T. 0.007 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

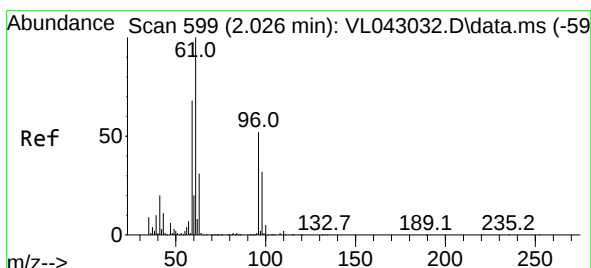
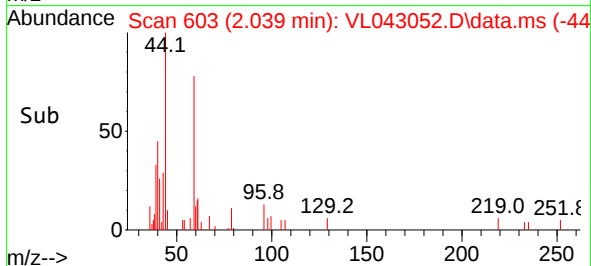
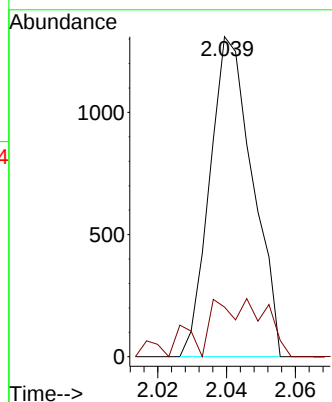
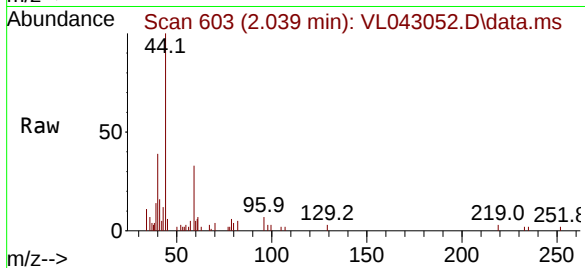
LOQ-AIR-02-QT3-2025

Tgt Ion: 59 Resp: 1135

Ion Ratio Lower Upper

59 100

57 25.5 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.048 ppbv

RT: 2.030 min Scan# 600

Delta R.T. 0.003 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

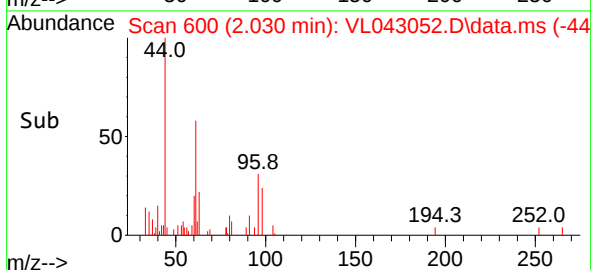
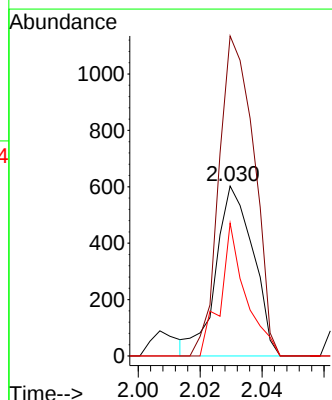
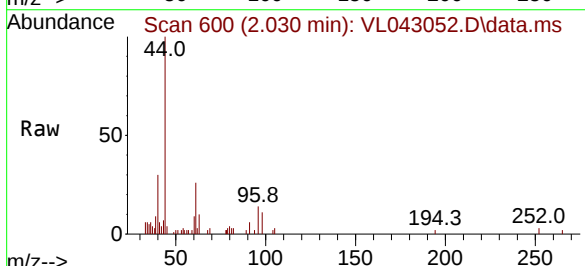
Tgt Ion: 96 Resp: 504

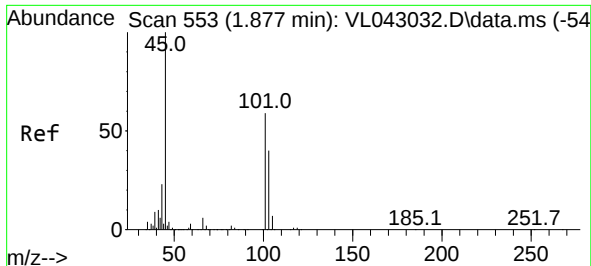
Ion Ratio Lower Upper

96 100

61 188.2 153.0 229.6

98 78.1 48.8 73.2#

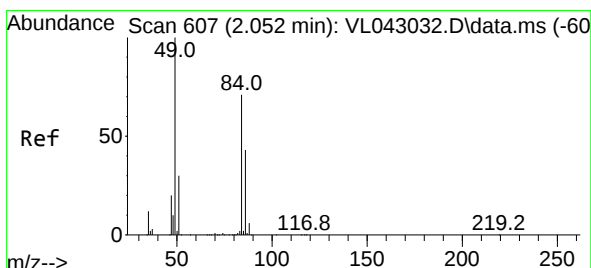
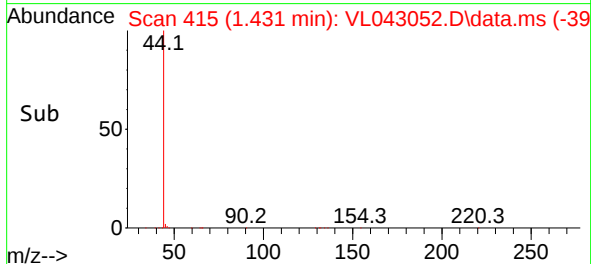
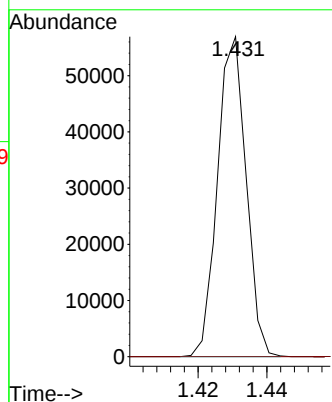
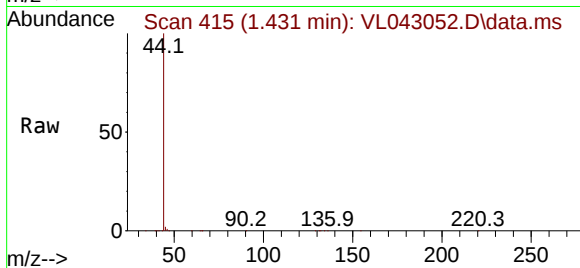




#19
Isopropyl Alcohol
Concen: 2.818 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.447 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

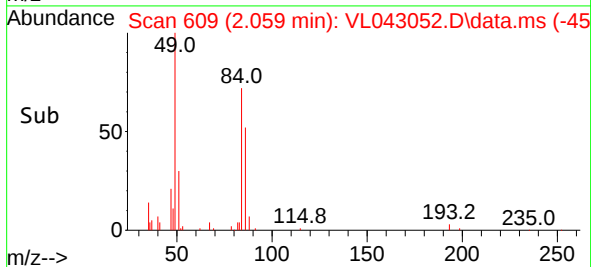
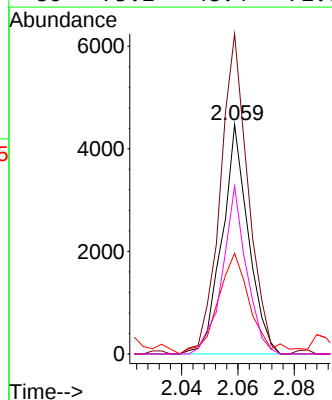
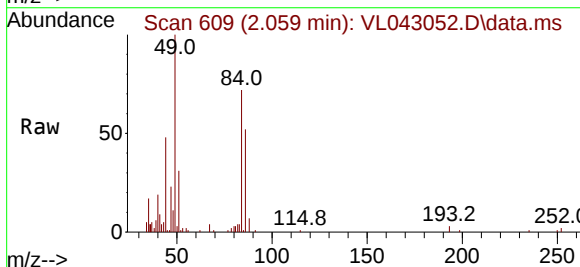
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

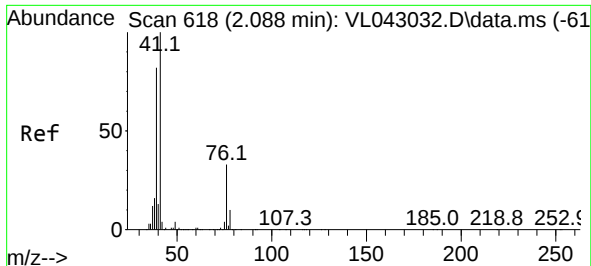
Tgt Ion: 45 Resp: 32926
Ion Ratio Lower Upper
45 100
58 0.0 42.3 63.5#



#20
Methylene Chloride
Concen: 0.273 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.007 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 84 Resp: 2906
Ion Ratio Lower Upper
84 100
49 139.5 112.5 168.7
51 43.9 34.2 51.2
86 73.2 48.4 72.6#

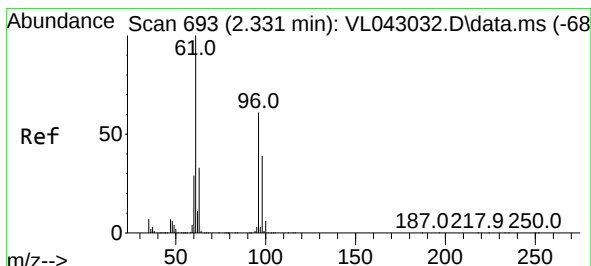
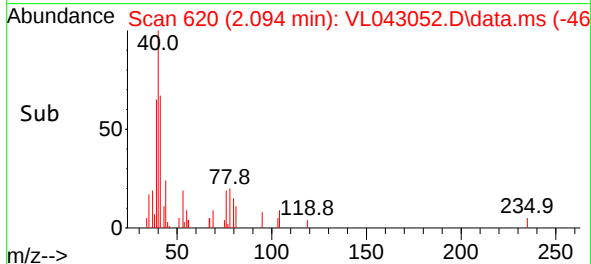
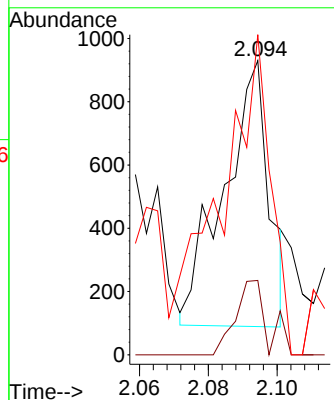
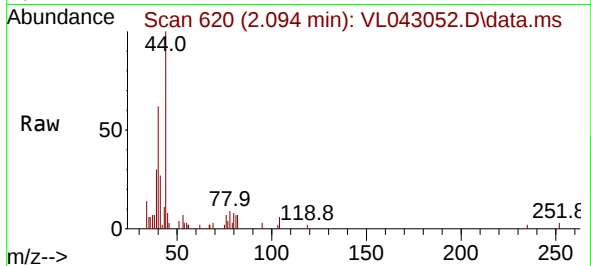




#21
 Allyl Chloride
 Concen: 0.049 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

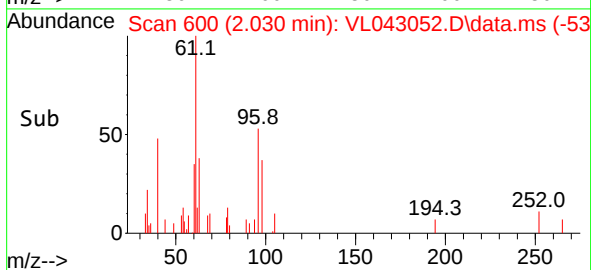
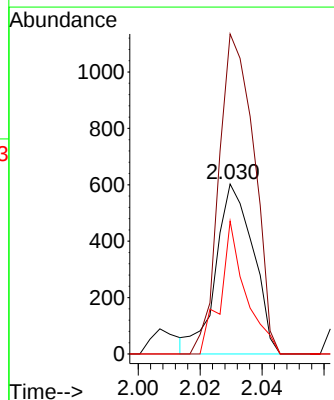
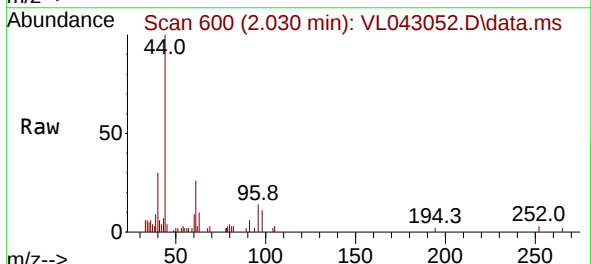
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

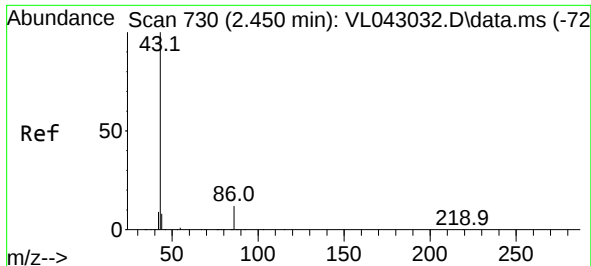
Tgt Ion: 41 Resp: 762
 Ion Ratio Lower Upper
 41 100
 76 19.8 25.9 38.9#
 39 134.3 63.0 94.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.043 ppbv
 RT: 2.030 min Scan# 600
 Delta R.T. -0.301 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion: 96 Resp: 504
 Ion Ratio Lower Upper
 96 100
 61 188.2 131.9 197.9
 98 78.1 52.1 78.1

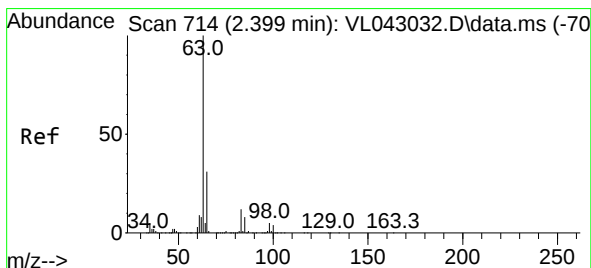
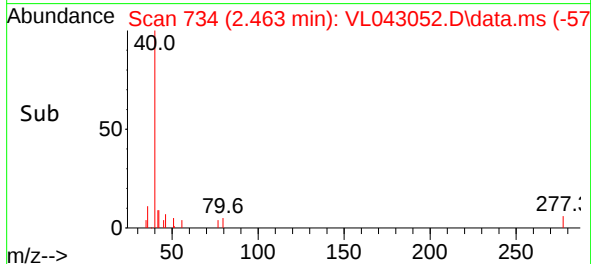
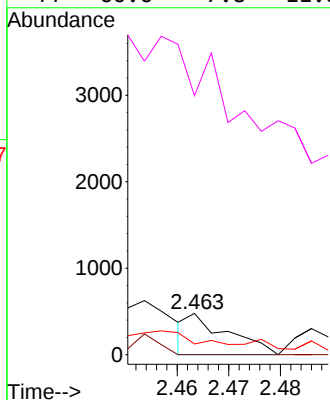
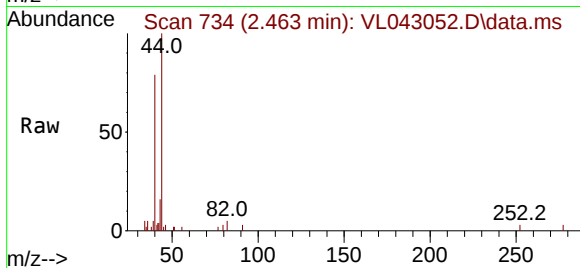




#23
 Vinyl Acetate
 Concen: 0.050 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.013 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

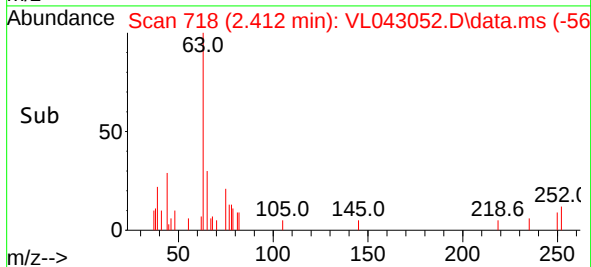
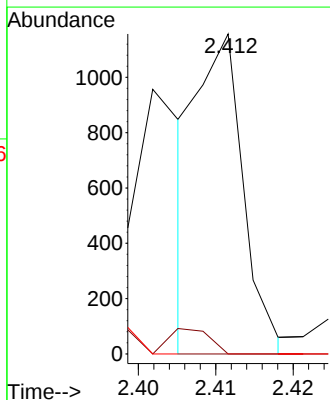
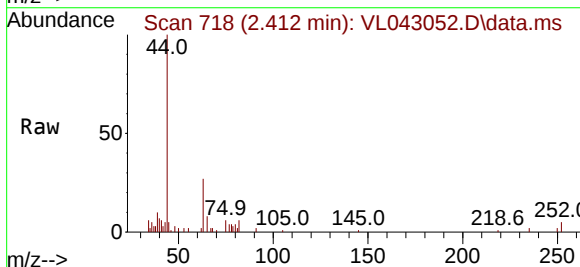
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

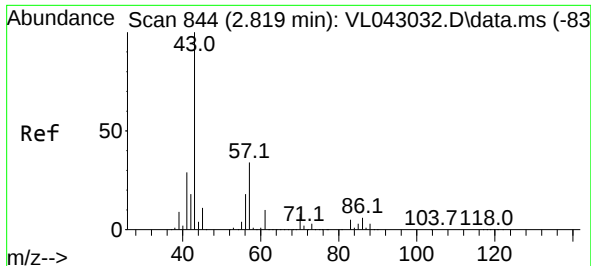
Tgt Ion:	43	Resp:	259
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#
42	11.1	8.4	12.6
44	60.6	7.8	11.8#



#24
 1,1-Dichloroethane
 Concen: 0.021 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.013 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion:	63	Resp:	477
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.4#
100	0.0	1.8	5.4#

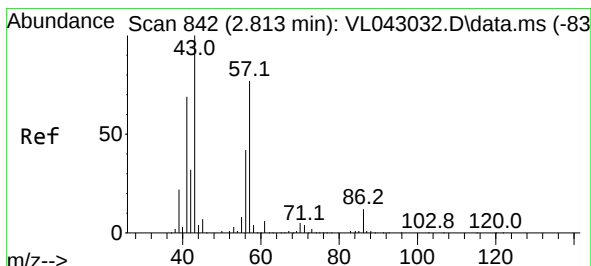
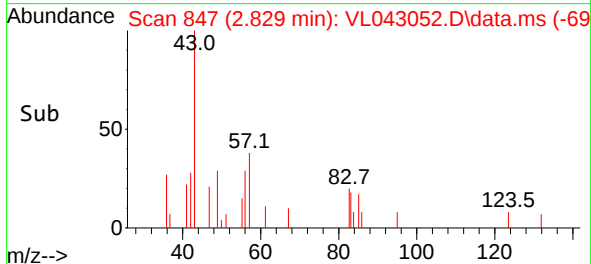
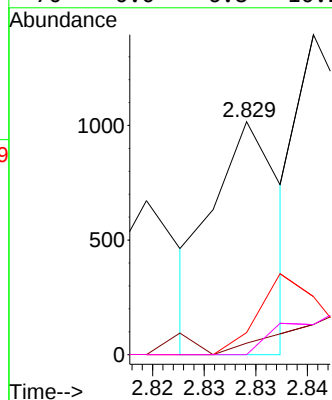
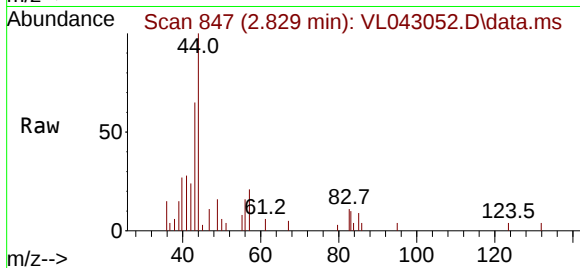




#25
Ethyl Acetate
Concen: 0.008 ppbv
RT: 2.829 min Scan# 844
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

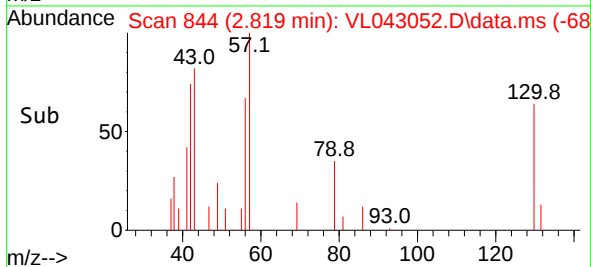
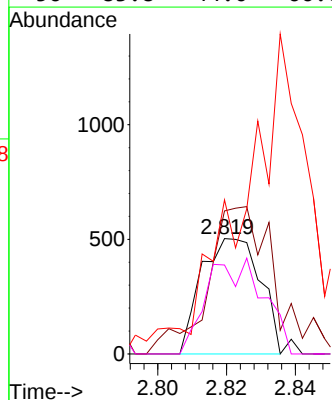
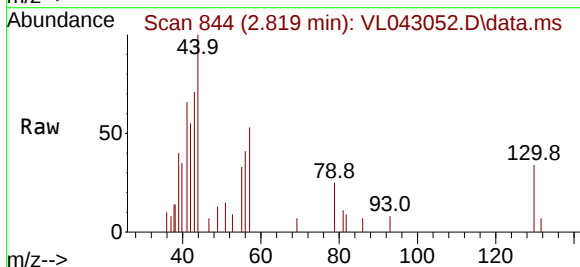
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

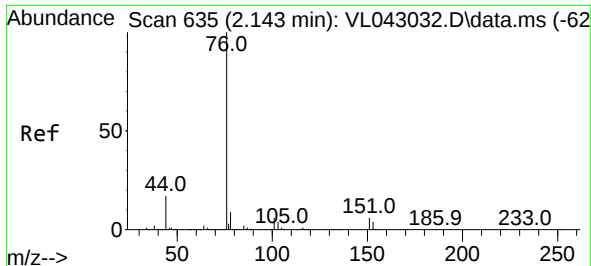
Tgt Ion: 43	Resp:	464	
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.5	11.3#
70	0.0	6.8	10.2#



#26
Hexane
Concen: 0.025 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.007 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt	Ion: 57	Resp:	600
Ion	Ratio	Lower	Upper
57	100		
41	146.8	76.1	114.1#
43	0.0	201.4	302.0#
56	83.8	44.0	66.0#





#27

Carbon Disulfide

Concen: 0.041 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

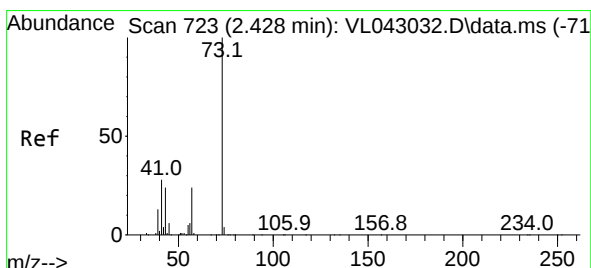
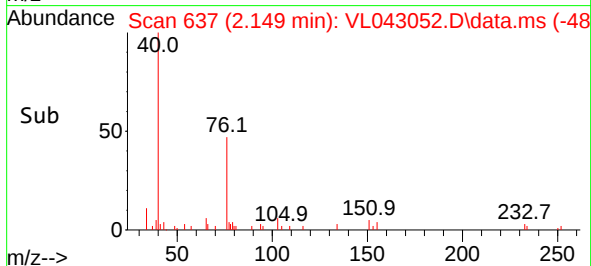
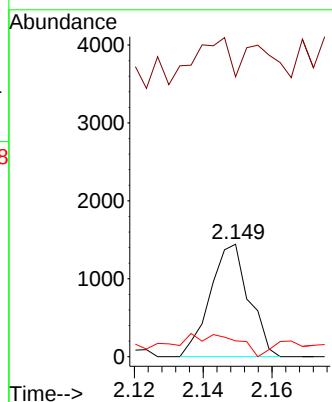
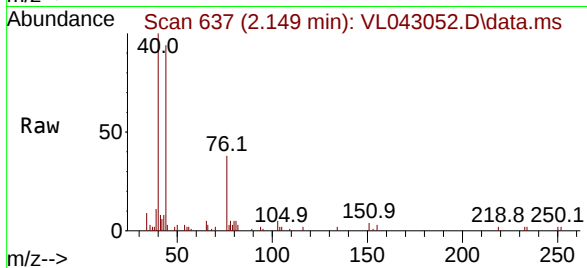
Tgt Ion: 76 Resp: 1132

Ion Ratio Lower Upper

76 100

44 530.4 14.0 21.0#

78 74.3 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.035 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.013 min

Lab File: VL043052.D

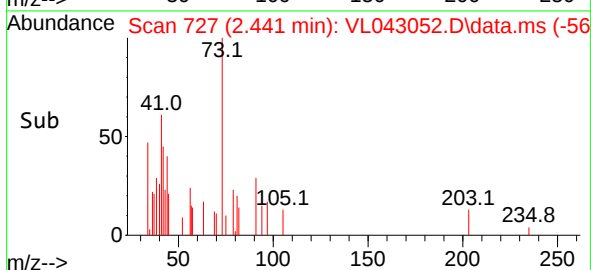
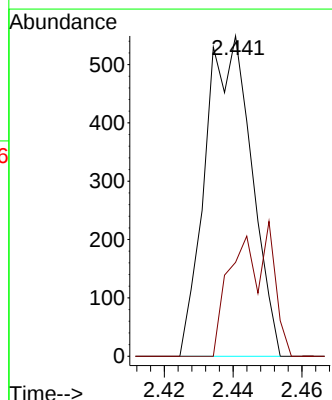
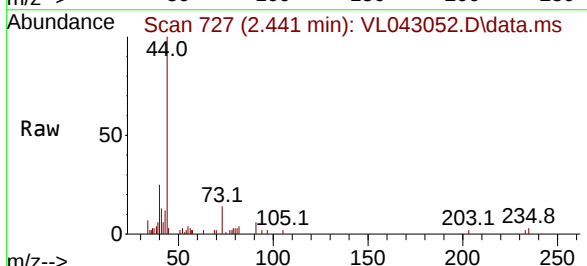
Acq: 06 Oct 2025 14:11

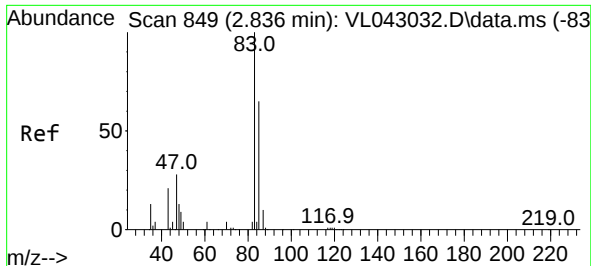
Tgt Ion: 73 Resp: 511

Ion Ratio Lower Upper

73 100

57 34.4 17.8 26.8#





#29

Chloroform

Concen: 0.042 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

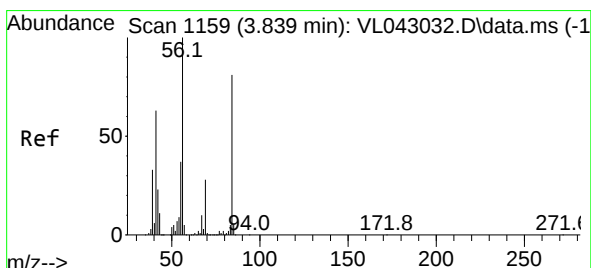
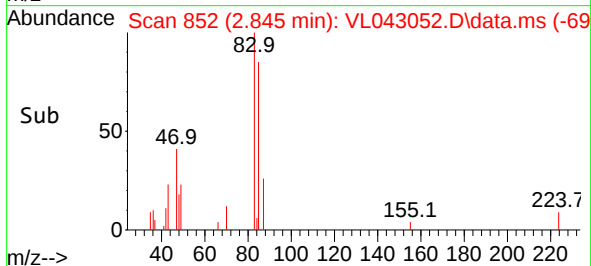
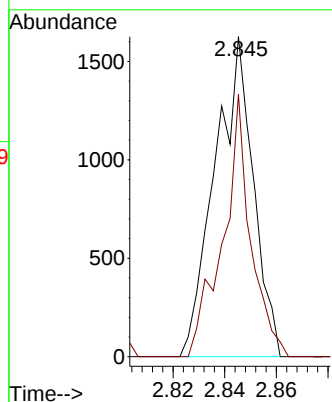
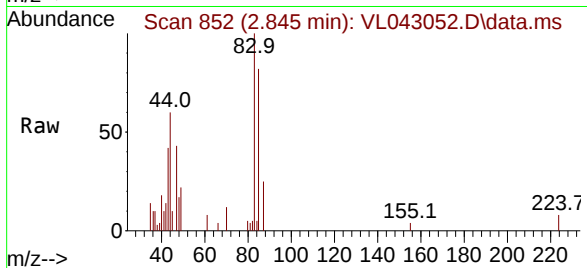
LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 1674

Ion Ratio Lower Upper

83 100

85 82.0 52.0 78.0#



#30

Cyclohexane

Concen: 0.007 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.016 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

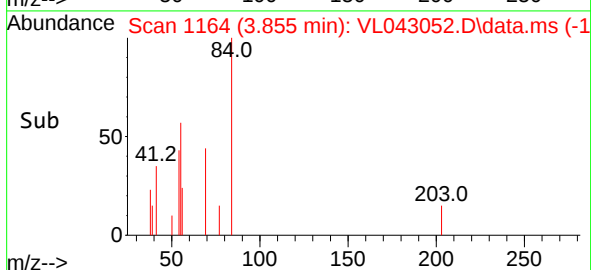
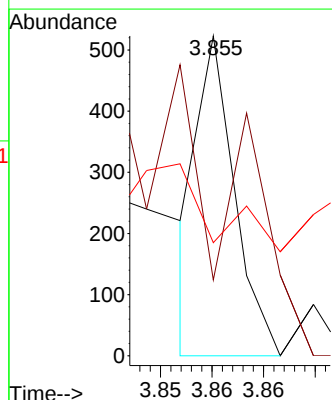
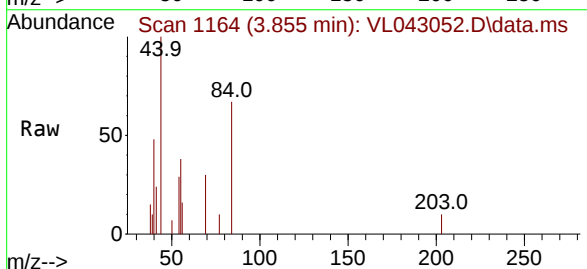
Tgt Ion: 84 Resp: 127

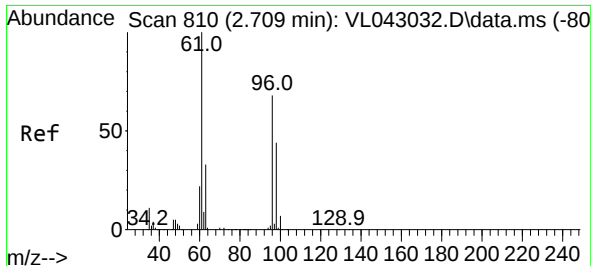
Ion Ratio Lower Upper

84 100

56 0.0 99.9 149.9#

41 480.3 64.2 96.4#

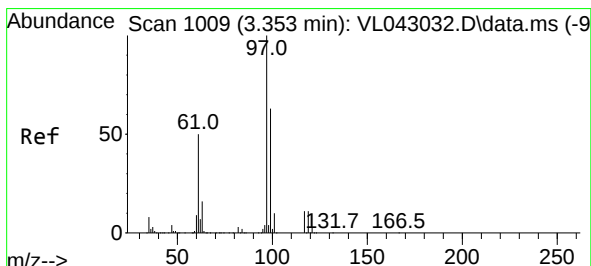
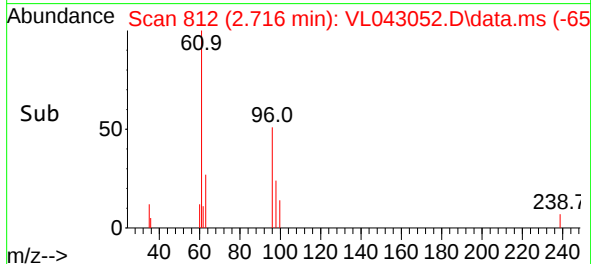
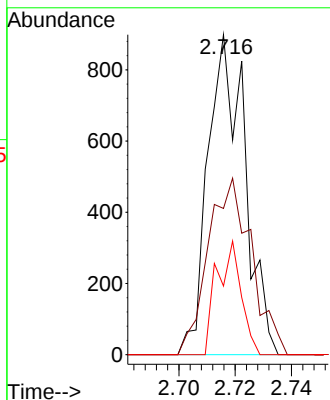
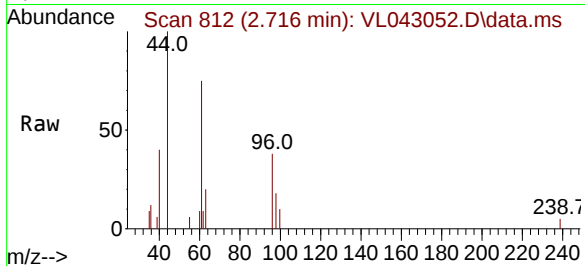




#31
 cis-1,2-Dichloroethene
 Concen: 0.034 ppbv
 RT: 2.716 min Scan# 810
 Delta R.T. 0.007 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

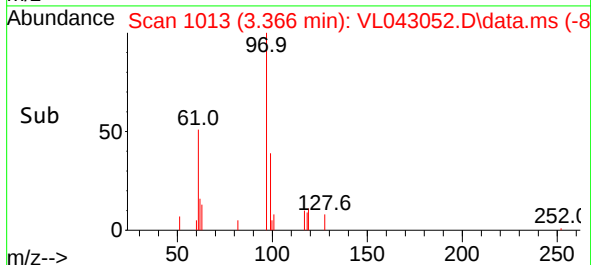
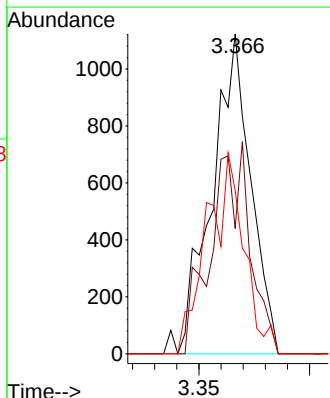
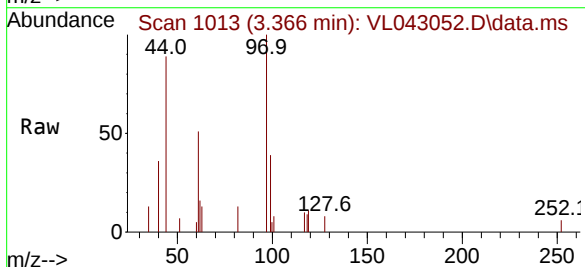
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

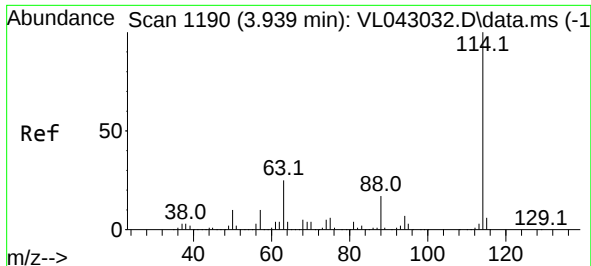
Tgt Ion: 61 Resp: 820
 Ion Ratio Lower Upper
 61 100
 96 45.7 54.6 82.0#
 98 21.5 34.8 52.2#



#32
 1,1,1-Trichloroethane
 Concen: 0.035 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.013 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion: 97 Resp: 1365
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.2 76.8
 61 60.3 40.1 60.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.013 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

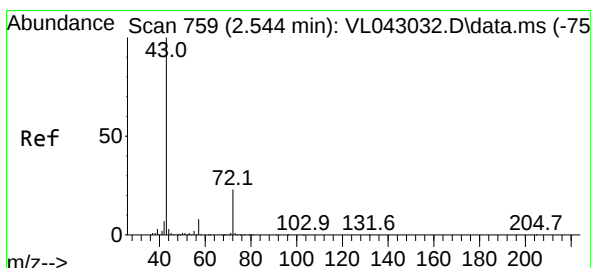
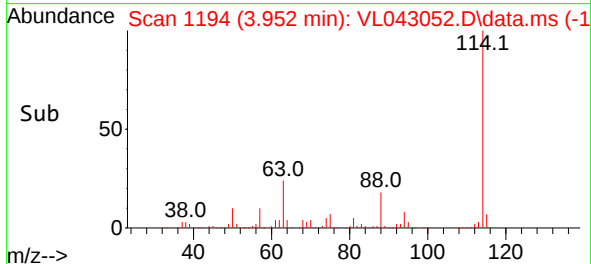
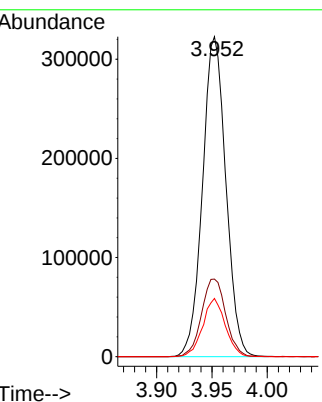
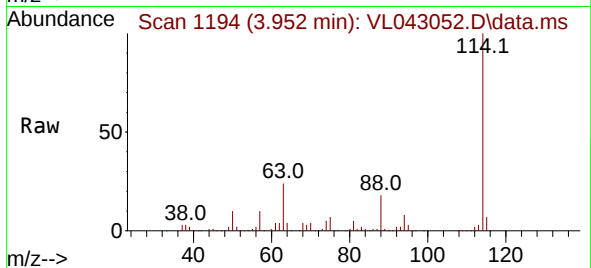
Tgt Ion:114 Resp: 473182

Ion Ratio Lower Upper

114 100

63 25.4 19.4 29.2

88 17.6 13.9 20.9



#34

2-Butanone

Concen: 0.049 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.016 min

Lab File: VL043052.D

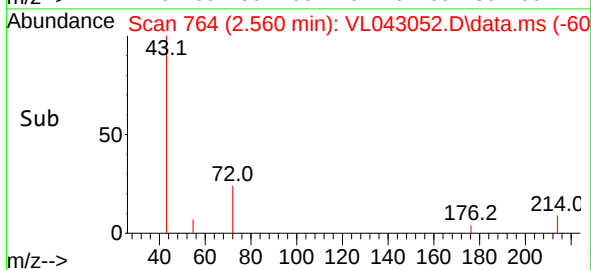
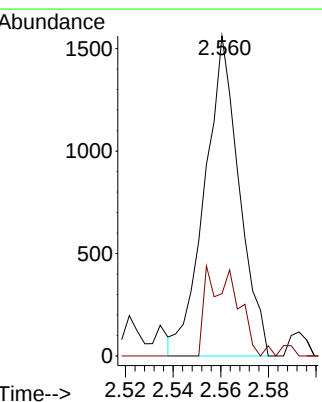
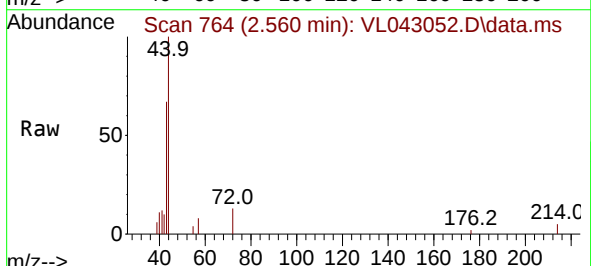
Acq: 06 Oct 2025 14:11

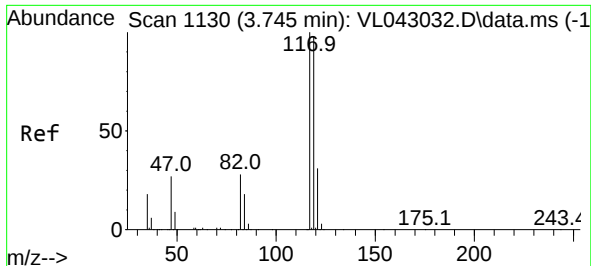
Tgt Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

72 26.4 18.4 27.6

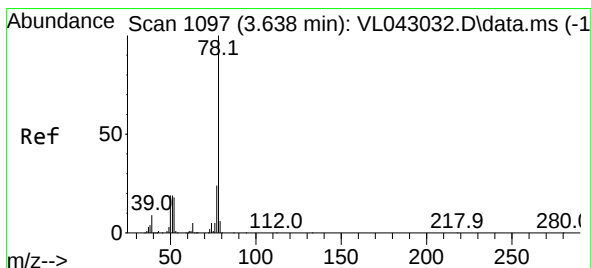
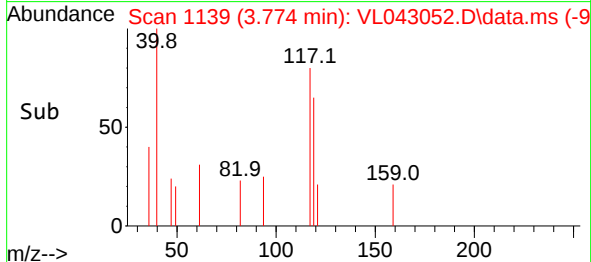
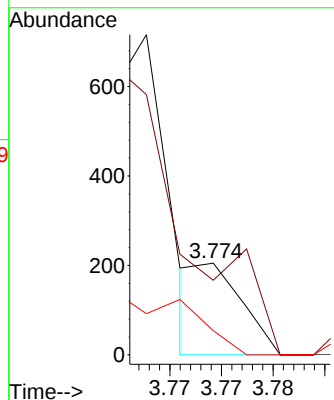
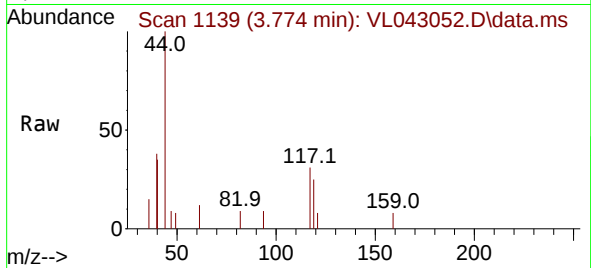




#35
Carbon Tetrachloride
Concen: 0.002 ppbv
RT: 3.774 min Scan# 1130
Delta R.T. 0.029 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

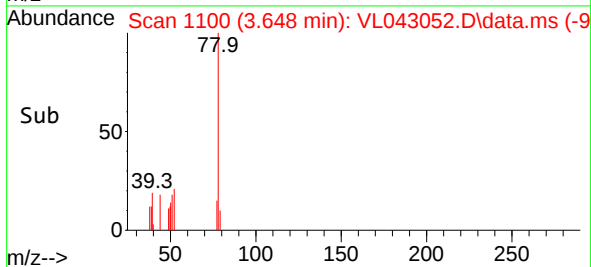
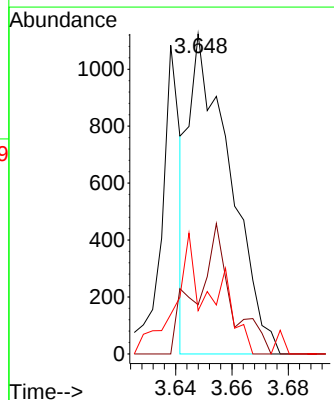
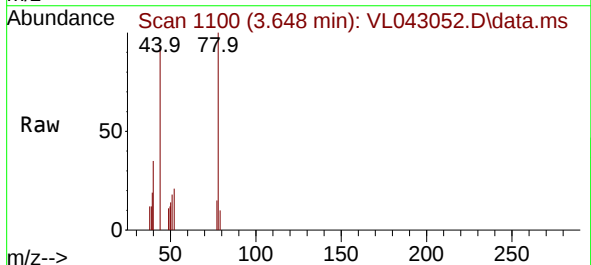
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

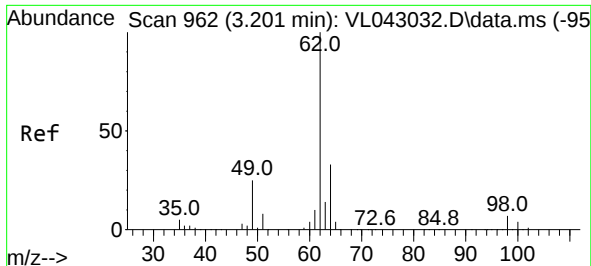
Tgt Ion:117 Resp: 61
Ion Ratio Lower Upper
117 100
119 81.5 78.2 117.4
121 26.3 24.8 37.2



#36
Benzene
Concen: 0.025 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 78 Resp: 1141
Ion Ratio Lower Upper
78 100
77 15.4 19.2 28.8#
50 6.1 14.9 22.3#





#37

1,2-Dichloroethane

Concen: 0.009 ppbv

RT: 3.214 min Scan# 9

Delta R.T. 0.013 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

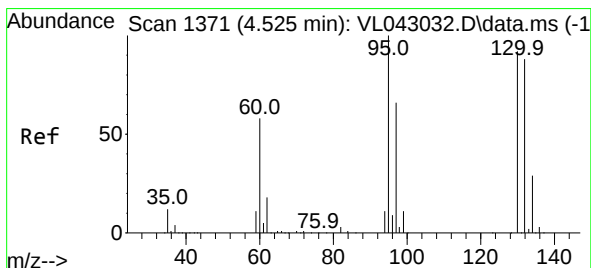
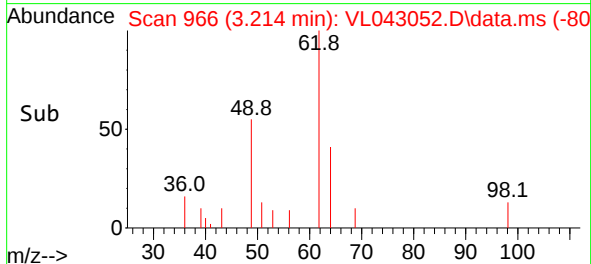
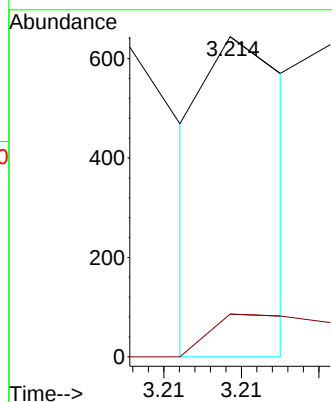
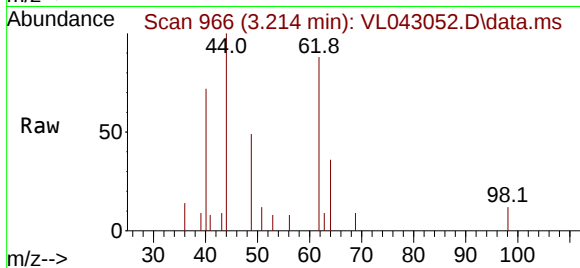
LOQ-AIR-02-QT3-2025

Tgt Ion: 62 Resp: 236

Ion Ratio Lower Upper

62 100

98 24.6 5.6 8.4#



#38

Trichloroethene

Concen: 0.028 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. 0.016 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Tgt Ion: 130 Resp: 525

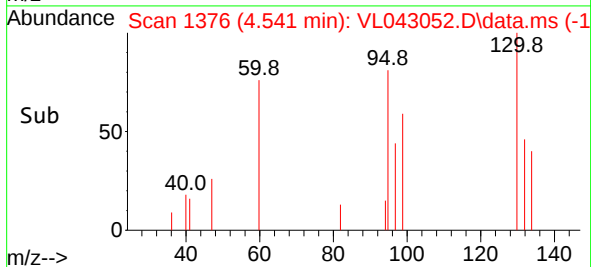
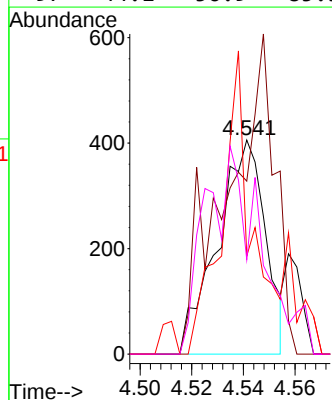
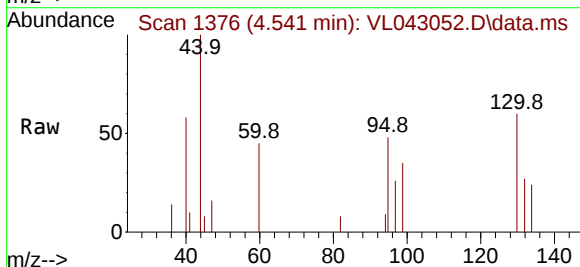
Ion Ratio Lower Upper

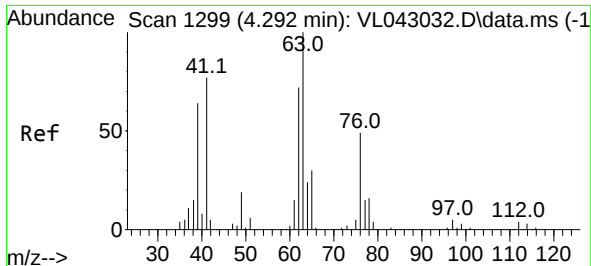
130 100

95 80.8 86.4 129.6#

132 45.8 75.7 113.5#

97 44.1 56.9 85.3#





#39

1,2-Dichloropropane

Concen: 7.084 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.340 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

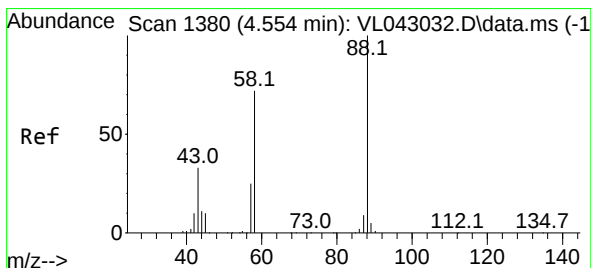
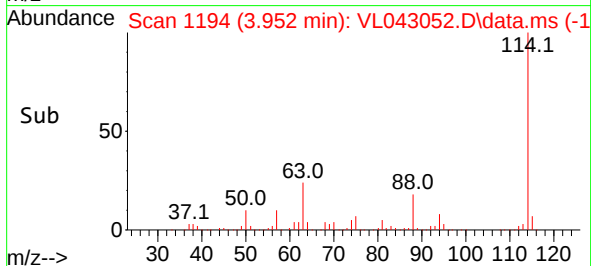
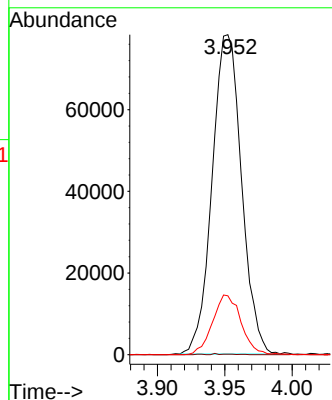
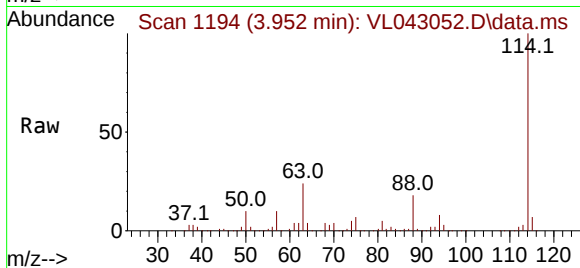
Tgt Ion: 63 Resp: 118707

Ion Ratio Lower Upper

63 100

41 0.2 61.6 92.4#

62 18.5 58.1 87.1#



#40

1,4-Dioxane

Concen: 0.016 ppbv

RT: 4.600 min Scan# 1394

Delta R.T. 0.045 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Tgt Ion: 88 Resp: 113

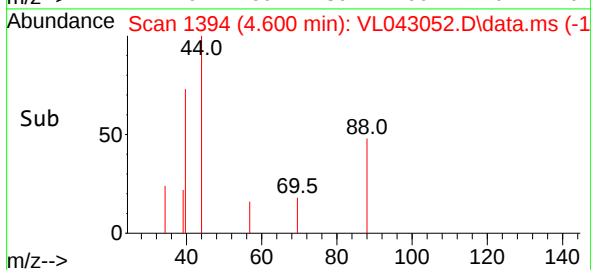
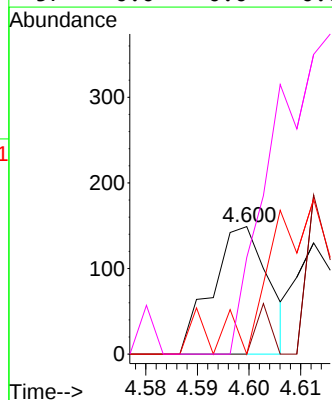
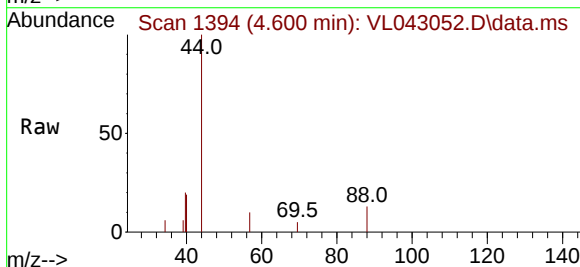
Ion Ratio Lower Upper

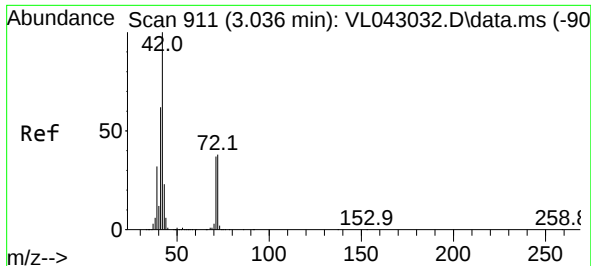
88 100

58 0.0 56.2 84.2#

43 54.0 25.7 38.5#

57 0.0 0.0 0.0

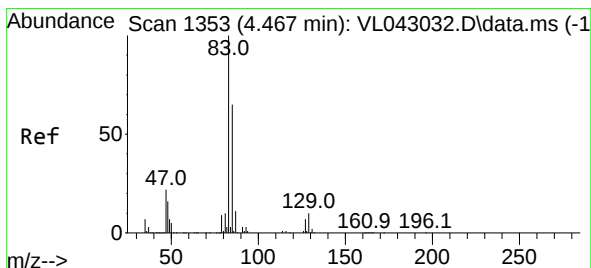
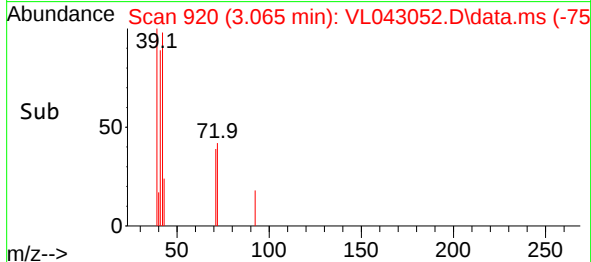
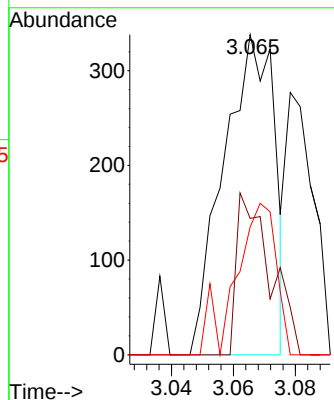
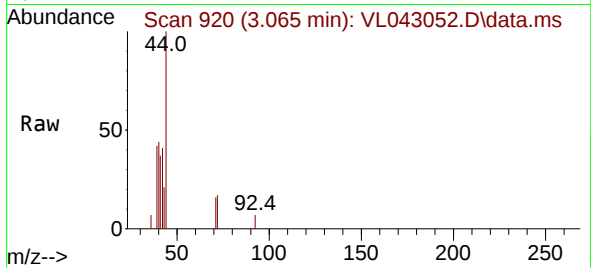




#41
Tetrahydrofuran
Concen: 0.023 ppbv
RT: 3.065 min Scan# 911
Delta R.T. 0.029 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

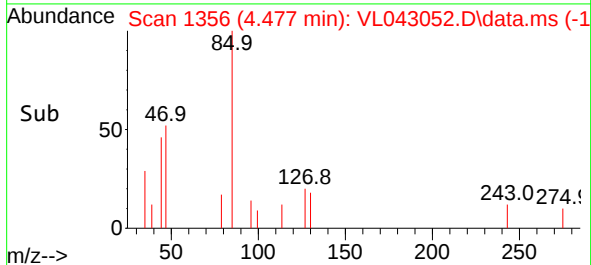
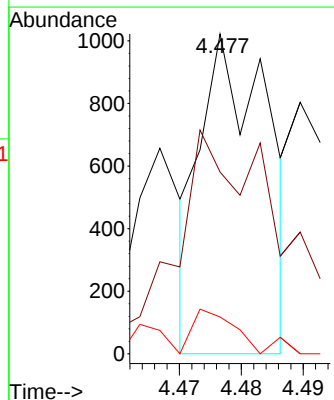
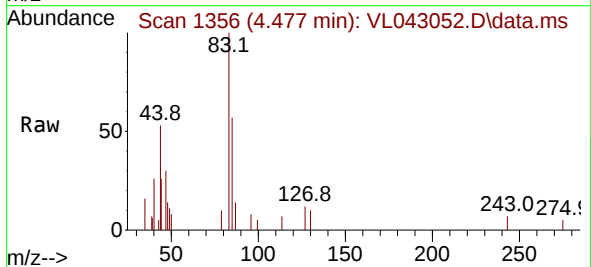
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

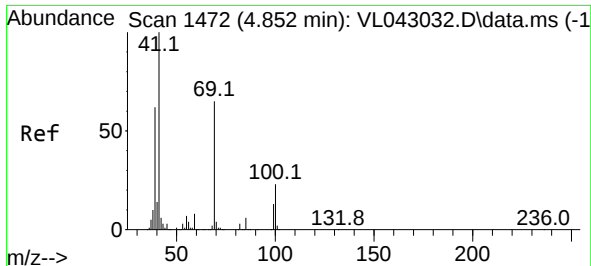
Tgt Ion: 42	Resp: 385
Ion Ratio	Lower Upper
42	100
72	33.5 31.0 46.6
71	37.7 29.8 44.6



#42
Bromodichloromethane
Concen: 0.020 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 83	Resp: 766
Ion Ratio	Lower Upper
83	100
85	57.4 51.8 77.8
127	22.3 5.9 8.9

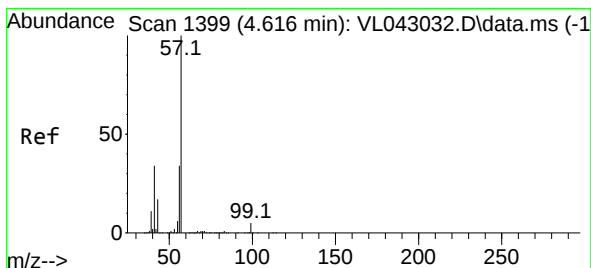
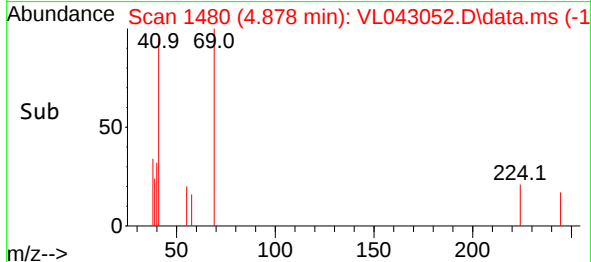
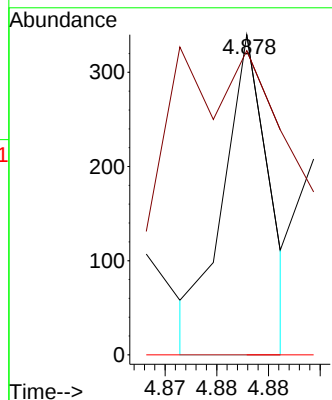
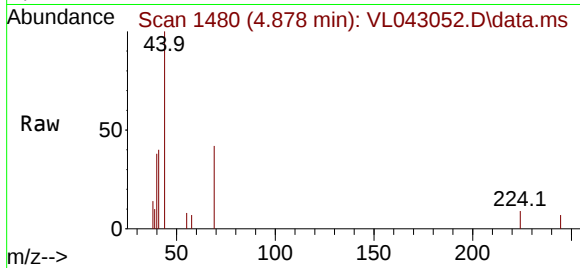




#43
Methyl Methacrylate
Concen: 0.007 ppbv
RT: 4.878 min Scan# 1472
Delta R.T. 0.026 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

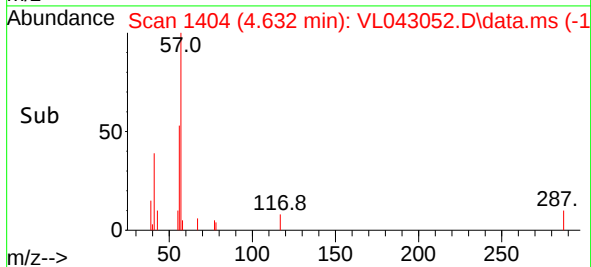
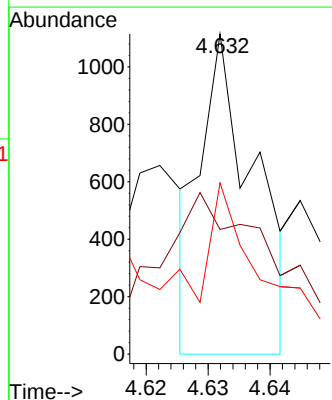
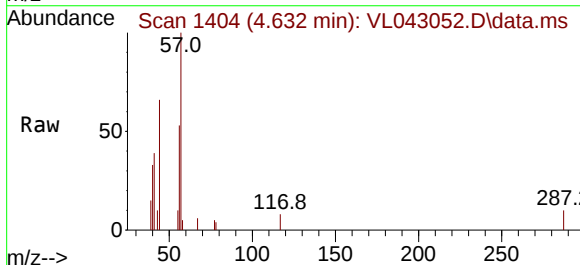
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

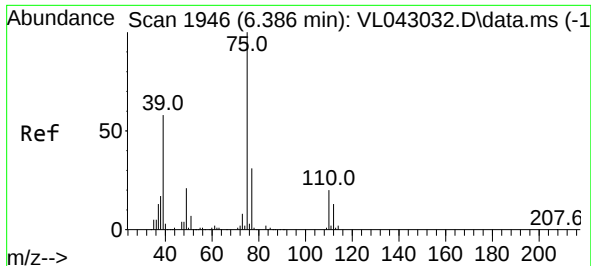
Tgt Ion: 69 Resp: 107
Ion Ratio Lower Upper
69 100
41 472.9 118.0 177.0#
100 0.0 28.3 42.5#



#44
2,2,4-Trimethylpentane
Concen: 0.009 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.016 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 57 Resp: 669
Ion Ratio Lower Upper
57 100
41 155.9 27.0 40.4#
56 117.8 26.0 39.0#





#45

t-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 6.406 min Scan# 1946

Delta R.T. 0.019 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

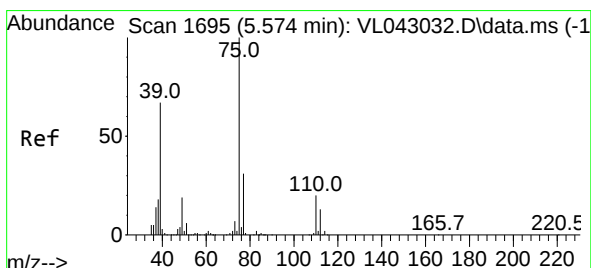
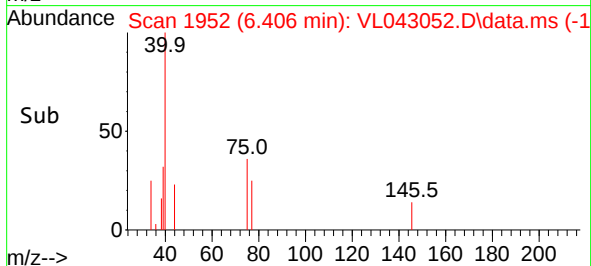
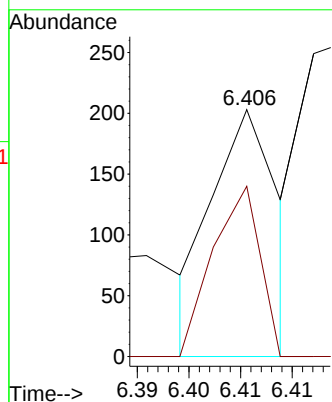
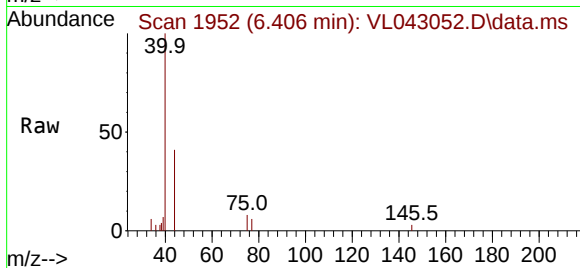
LOQ-AIR-02-QT3-2025

Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

77 69.0 24.7 37.1#



#46

cis-1,3-Dichloropropene

Concen: 0.013 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.026 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

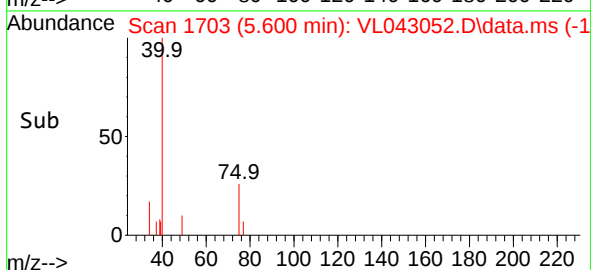
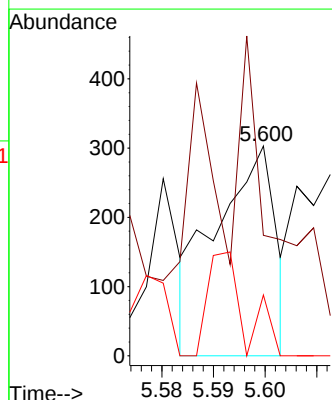
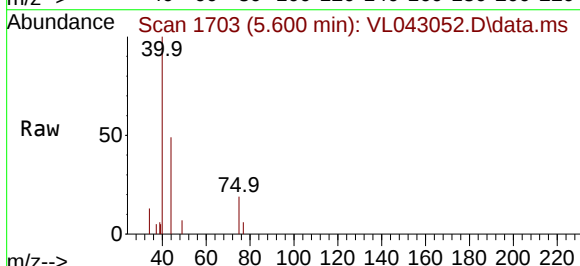
Tgt Ion: 75 Resp: 245

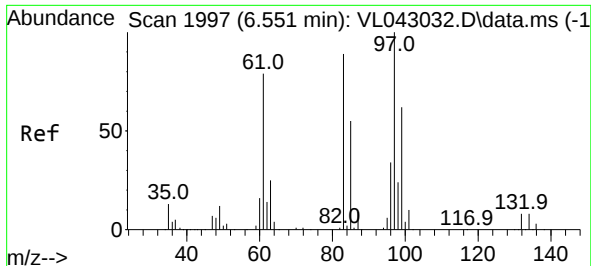
Ion Ratio Lower Upper

75 100

39 23.6 53.4 80.0#

77 54.7 25.0 37.4#

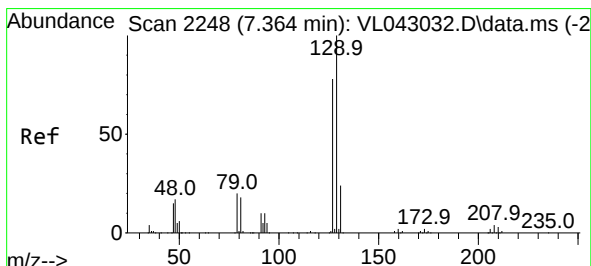
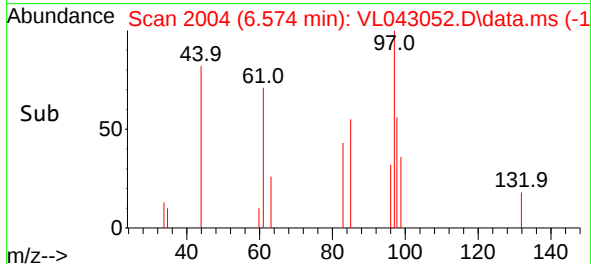
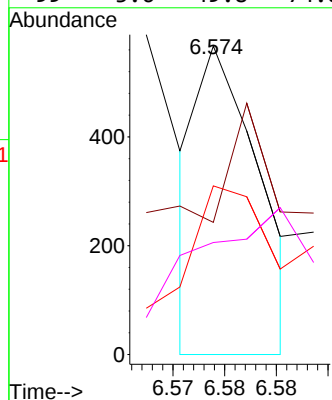
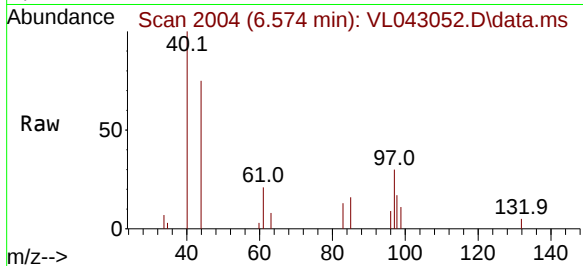




#47
1,1,2-Trichloroethane
Concen: 0.012 ppbv
RT: 6.574 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

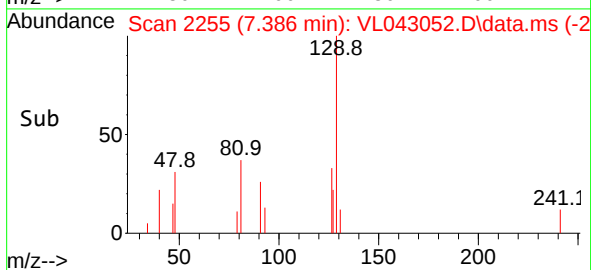
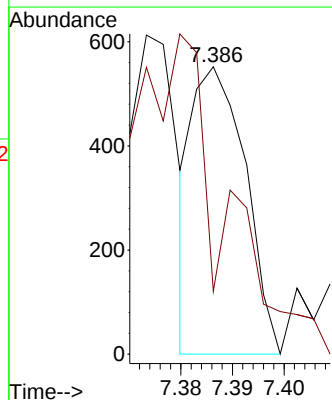
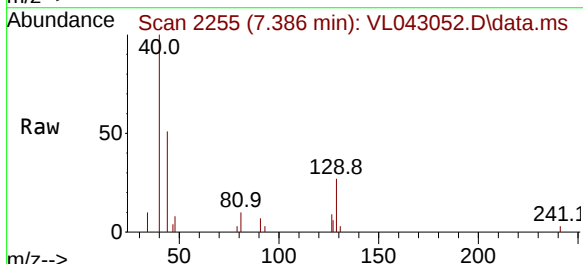
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

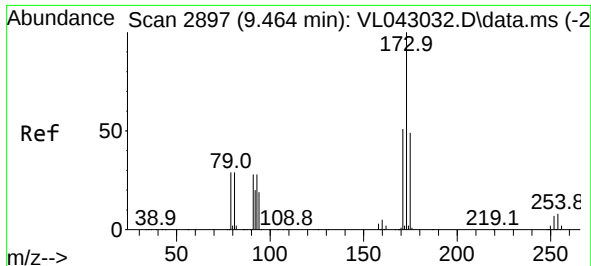
Tgt Ion: 97	Resp: 232
Ion Ratio	Lower Upper
97 100	
83 0.0	71.1 106.7#
85 27.9	44.3 66.5#
99 3.6	49.8 74.8#



#48
Dibromochloromethane
Concen: 0.013 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.023 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion:129	Resp:	392	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	116.0#

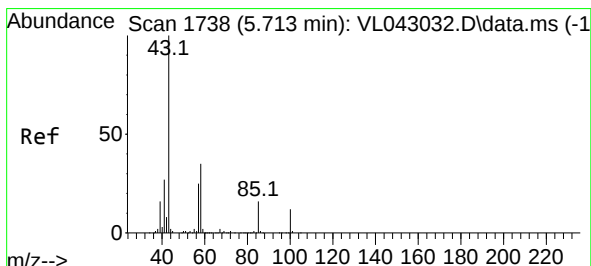
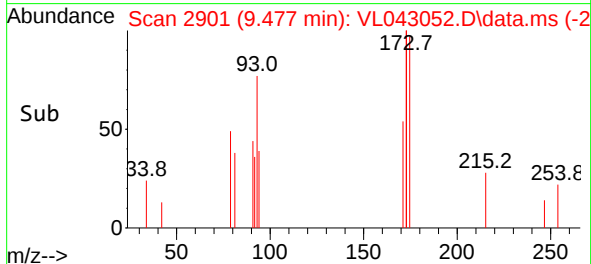
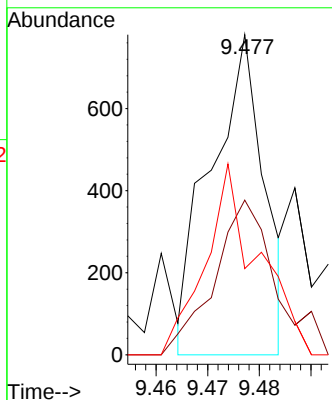
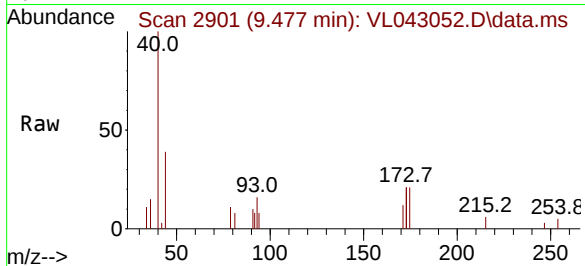




#49
Bromoform
Concen: 0.022 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

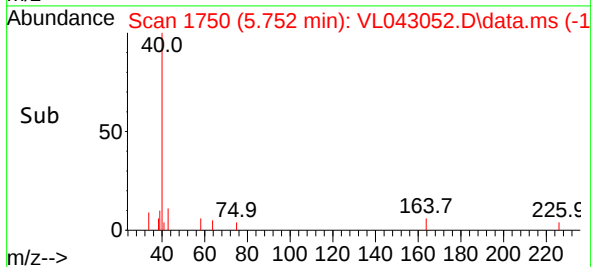
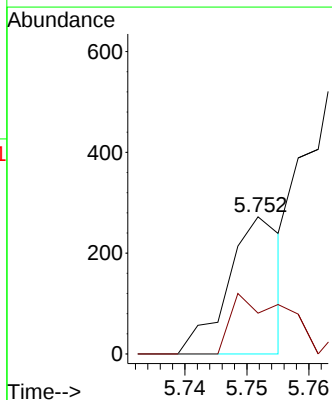
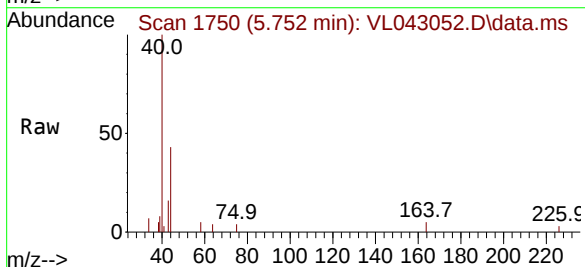
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

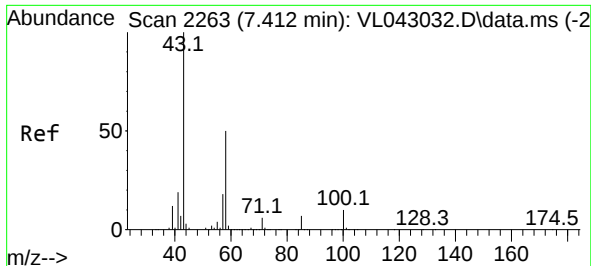
Tgt Ion:173 Resp: 564
Ion Ratio Lower Upper
173 100
175 54.8 39.1 58.7
171 58.3 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.039 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#

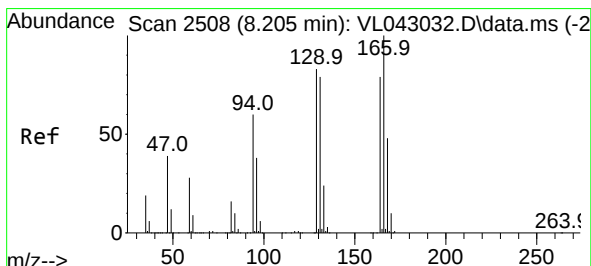
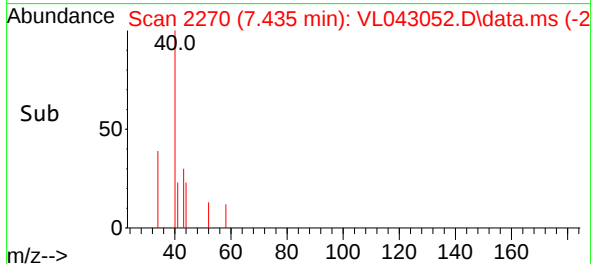
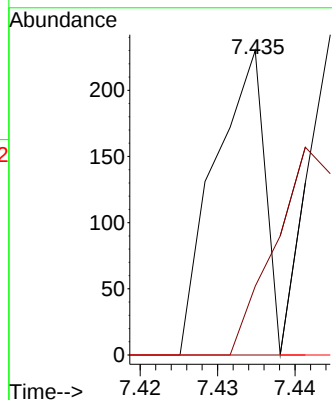
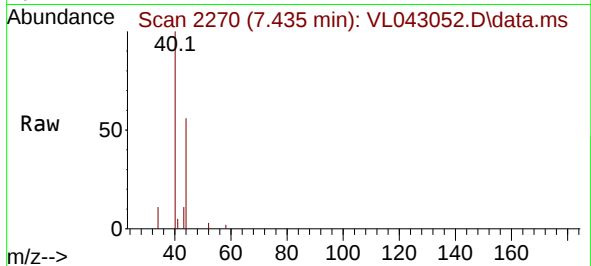




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.435 min Scan# 2114
Delta R.T. 0.023 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

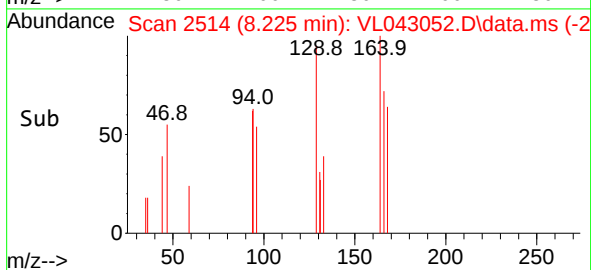
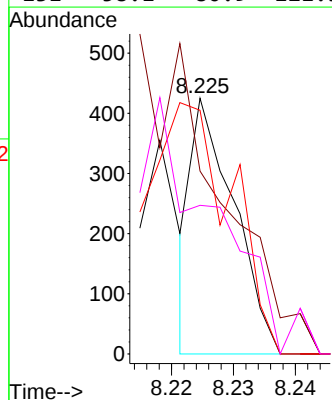
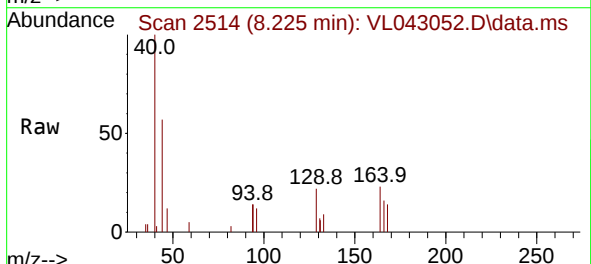
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

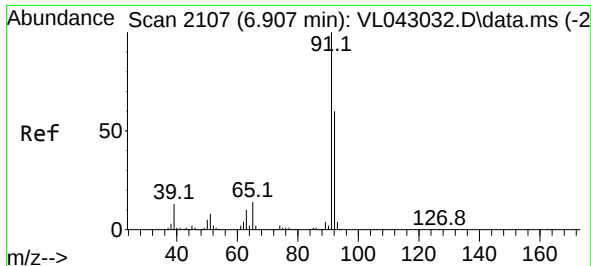
Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.012 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.019 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 164 Resp: 202
Ion Ratio Lower Upper
164 100
166 57.4 101.8 152.8#
129 95.3 84.5 126.7
131 58.1 80.9 121.3#

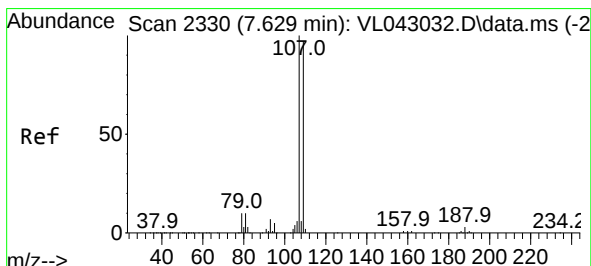
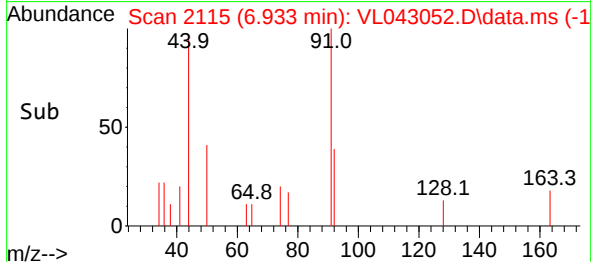
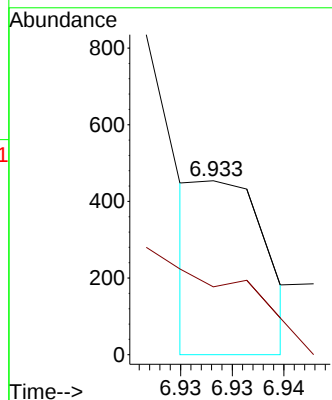
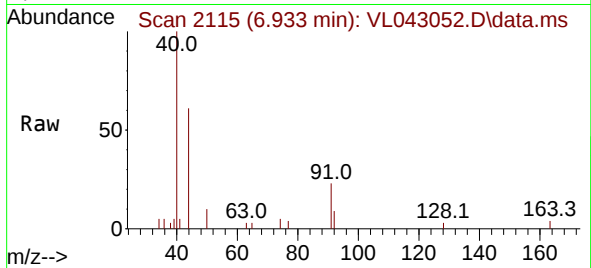




#53
Toluene
Concen: 0.005 ppbv
RT: 6.933 min Scan# 2107
Delta R.T. 0.026 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

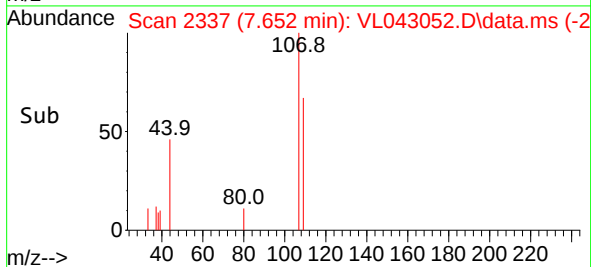
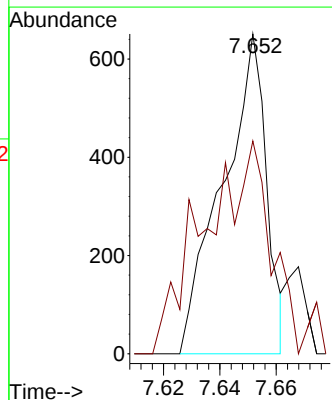
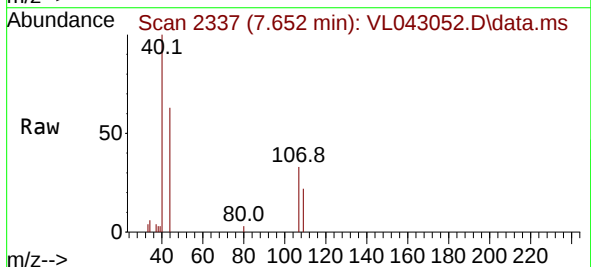
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

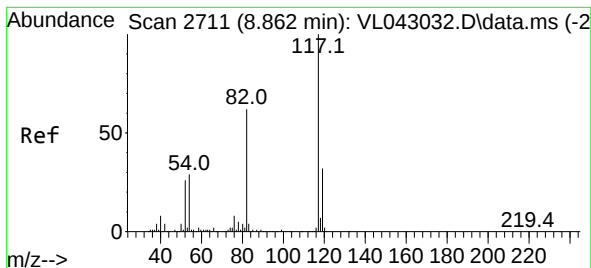
Tgt Ion: 91 Resp: 207
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.6#



#54
1,2-Dibromoethane
Concen: 0.032 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.023 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 107 Resp: 703
Ion Ratio Lower Upper
107 100
109 52.7 77.4 116.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. 0.013 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

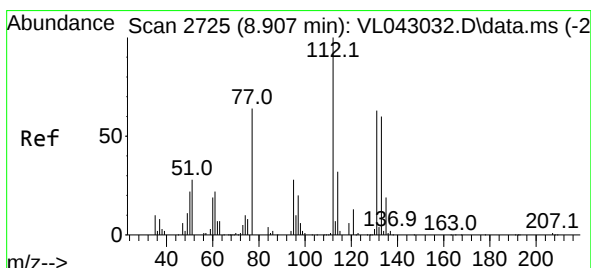
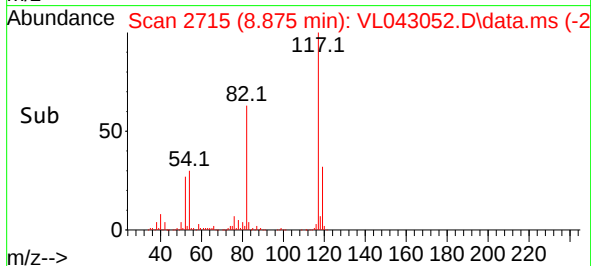
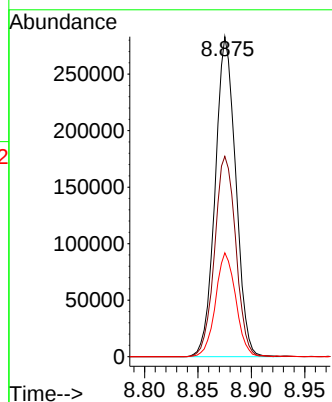
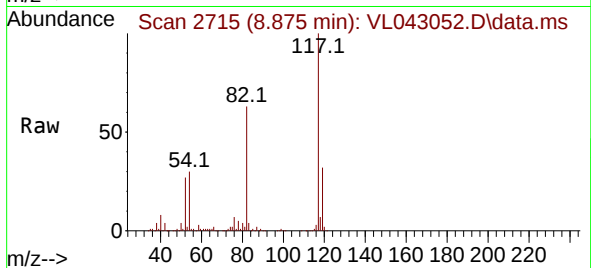
Tgt Ion:117 Resp: 378982

Ion Ratio Lower Upper

117 100

82 64.6 53.0 79.6

119 32.2 25.4 38.2



#56

1,1,1,2-Tetrachloroethane

Concen: 0.045 ppbv

RT: 8.914 min Scan# 2727

Delta R.T. 0.007 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

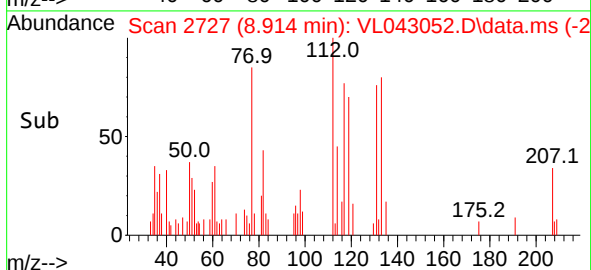
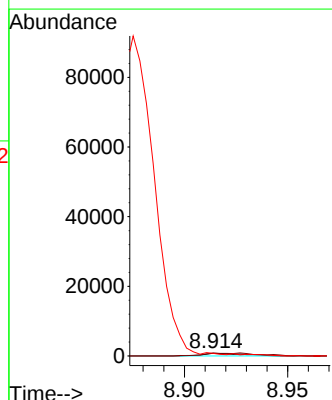
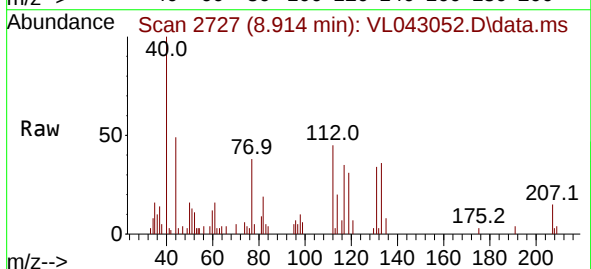
Tgt Ion:131 Resp: 1042

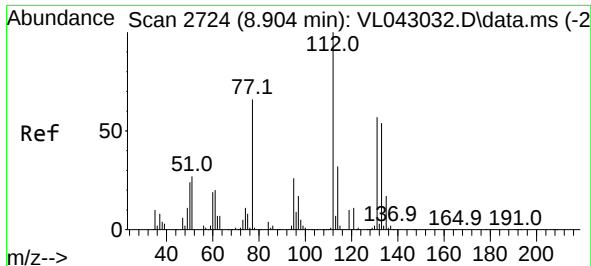
Ion Ratio Lower Upper

131 100

133 145.7 76.2 114.4#

119 11704.6 49.4 74.2#

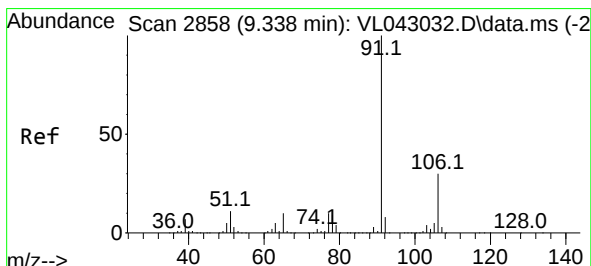
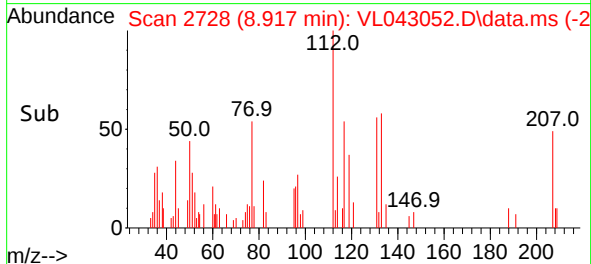
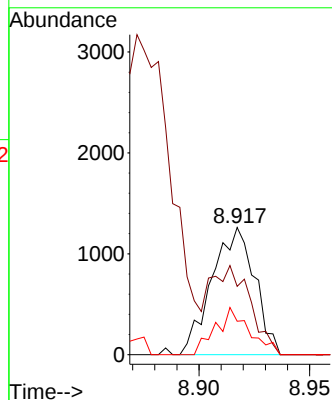
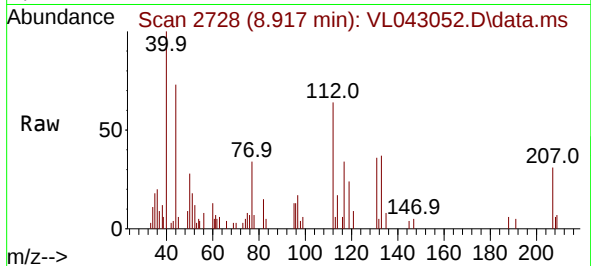




#57
Chlorobenzene
Concen: 0.042 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

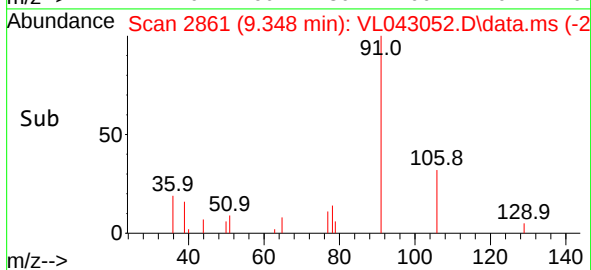
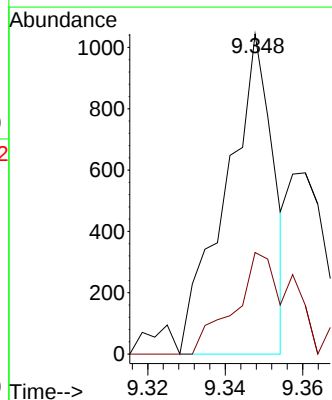
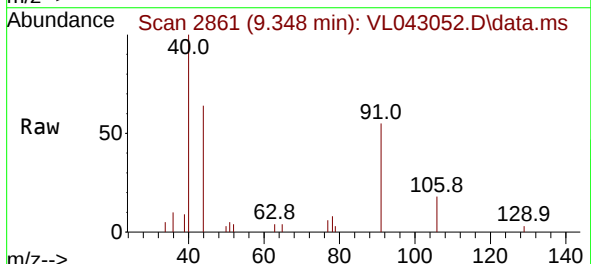
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

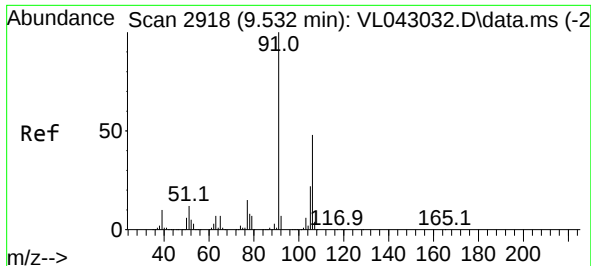
Tgt Ion:112 Resp: 1700
Ion Ratio Lower Upper
112 100
77 64.7 53.2 79.8
114 26.2 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.015 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 91 Resp: 881
Ion Ratio Lower Upper
91 100
106 31.7 24.1 36.1





#59

m/p-Xylene

Concen: 0.010 ppbv

RT: 9.548 min Scan# 2918

Delta R.T. 0.016 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

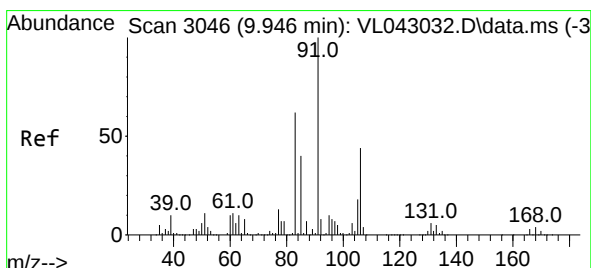
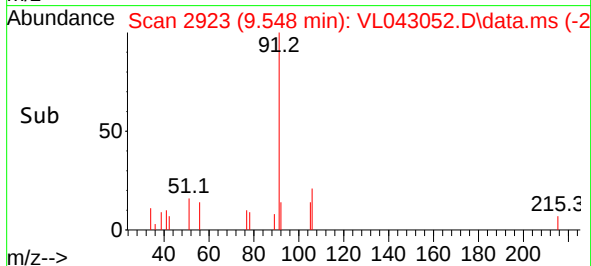
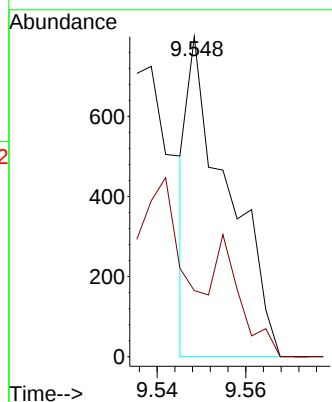
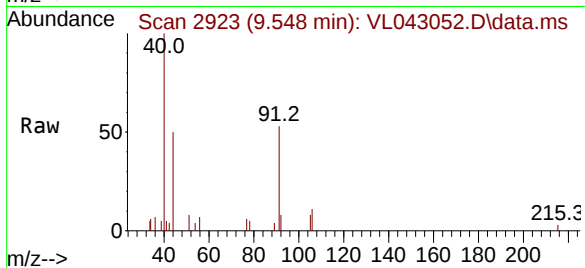
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 498

Ion Ratio Lower Upper

91 100

106 189.4 37.5 56.3#



#60

o-Xylene

Concen: 0.023 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL043052.D

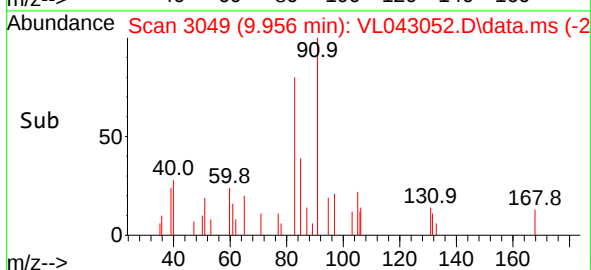
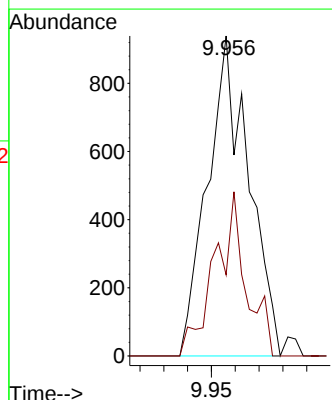
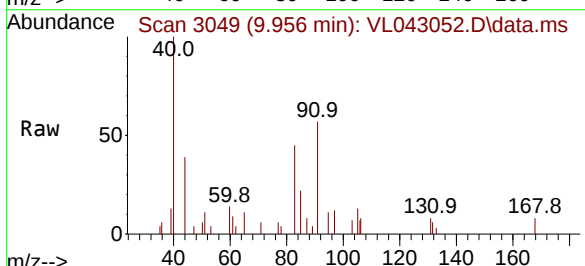
Acq: 06 Oct 2025 14:11

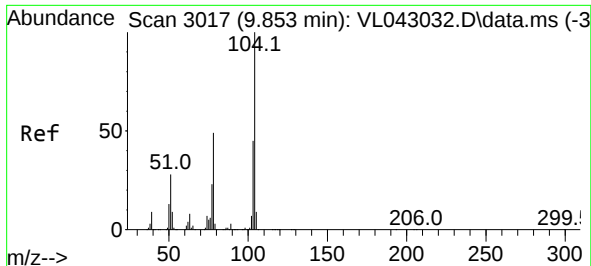
Tgt Ion: 91 Resp: 1123

Ion Ratio Lower Upper

91 100

106 39.0 21.9 65.5





#61

Styrene

Concen: 0.010 ppbv

RT: 9.862 min Scan# 3017

Delta R.T. 0.010 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

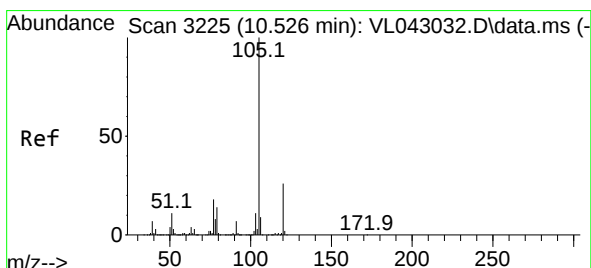
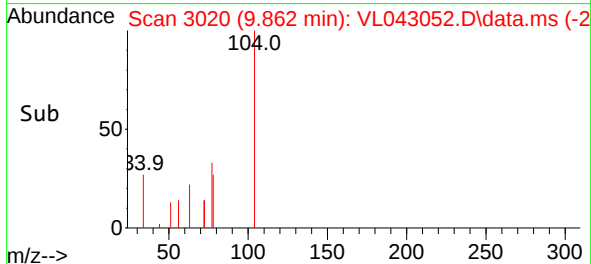
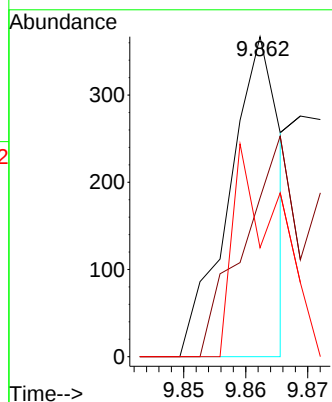
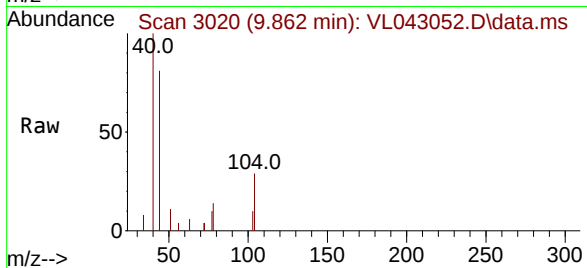
Tgt Ion:104 Resp: 212

Ion Ratio Lower Upper

104 100

78 85.8 39.7 59.5#

103 66.0 37.6 56.4#



#62

Isopropylbenzene

Concen: 0.022 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.013 min

Lab File: VL043052.D

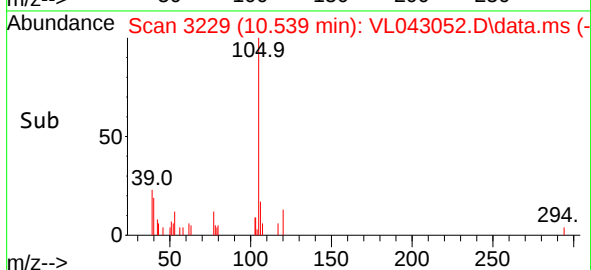
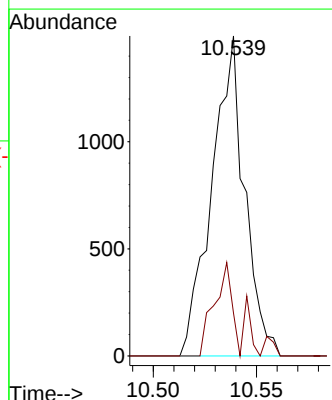
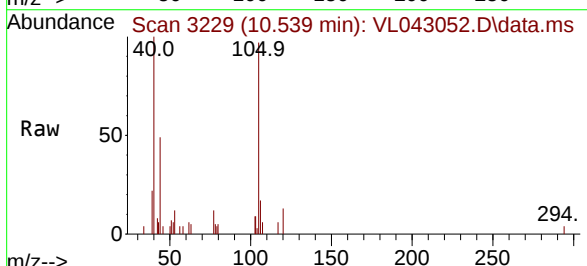
Acq: 06 Oct 2025 14:11

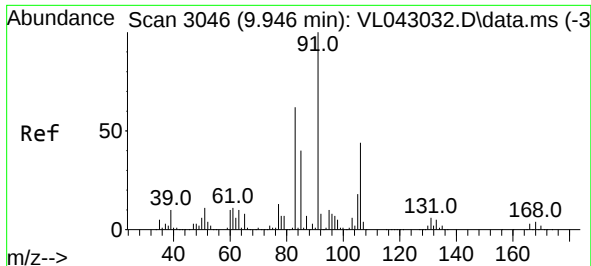
Tgt Ion:105 Resp: 1646

Ion Ratio Lower Upper

105 100

120 21.6 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.033 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. 0.013 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

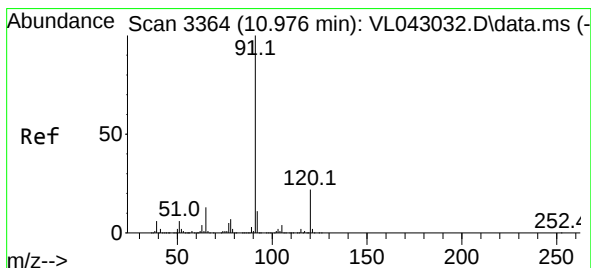
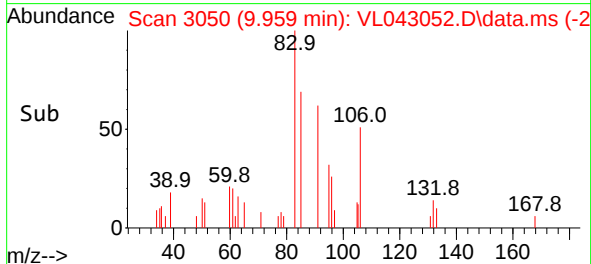
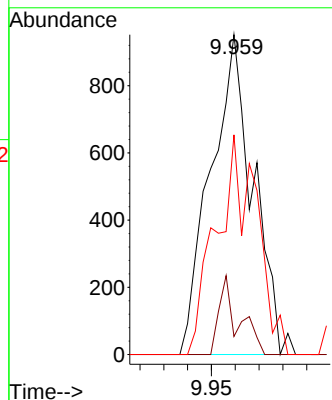
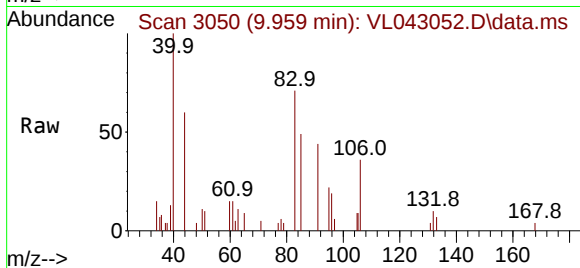
Tgt Ion: 83 Resp: 1167

Ion Ratio Lower Upper

83 100

131 11.3 4.7 14.1

85 66.2 32.0 96.2



#64

n-propylbenzene

Concen: 0.012 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.013 min

Lab File: VL043052.D

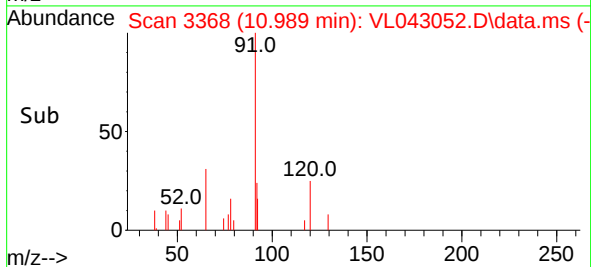
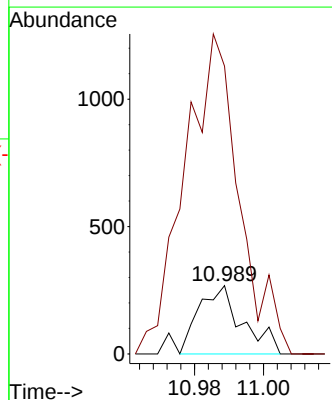
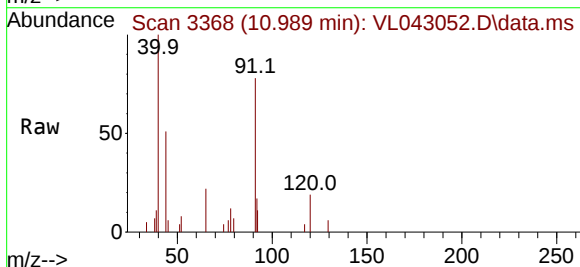
Acq: 06 Oct 2025 14:11

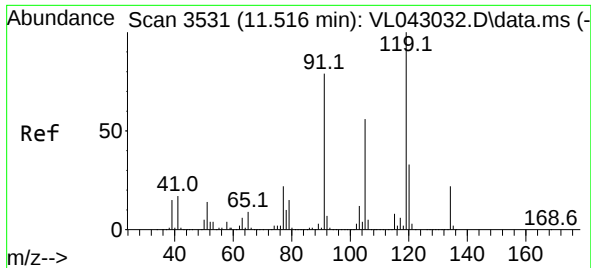
Tgt Ion: 120 Resp: 233

Ion Ratio Lower Upper

120 100

91 594.4 367.0 550.4#

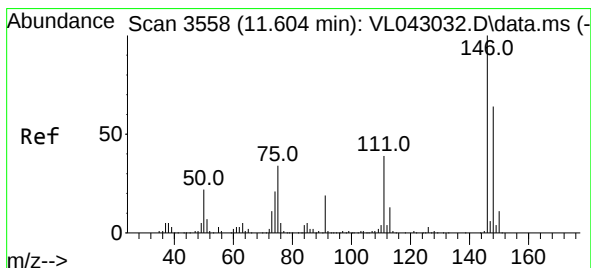
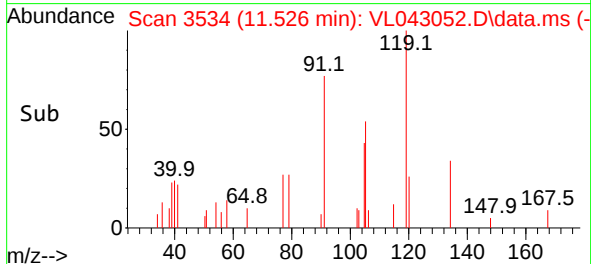
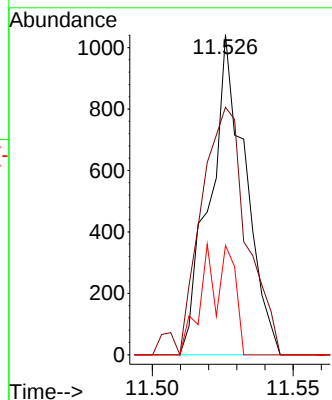
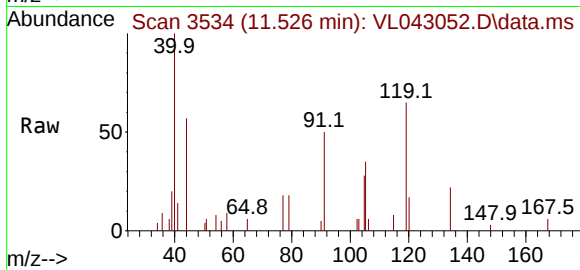




#65
tert-Butylbenzene
Concen: 0.014 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

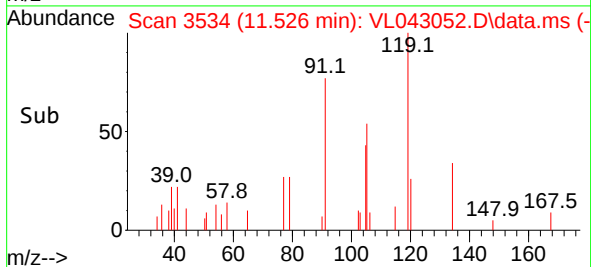
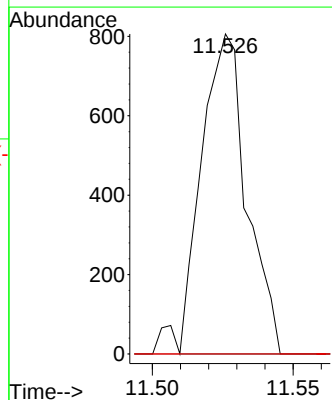
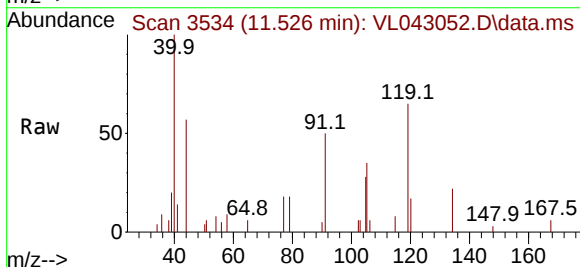
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

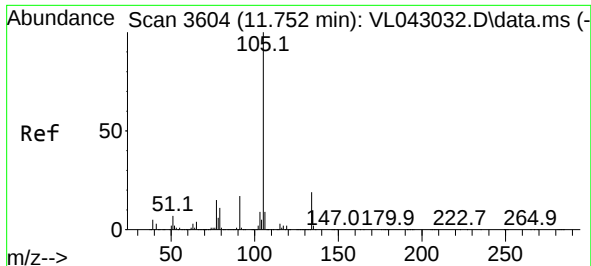
Tgt Ion:119 Resp: 915
Ion Ratio Lower Upper
119 100
91 100.8 63.1 94.7#
134 28.7 16.9 25.3#



#66
Benzyl Chloride
Concen: 0.348 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.078 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion: 91 Resp: 896
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 4.8 7.2#

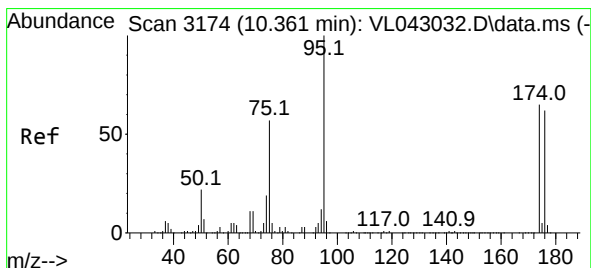
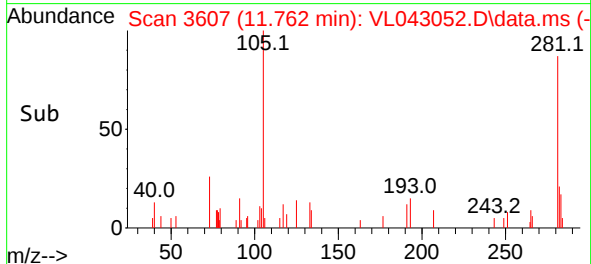
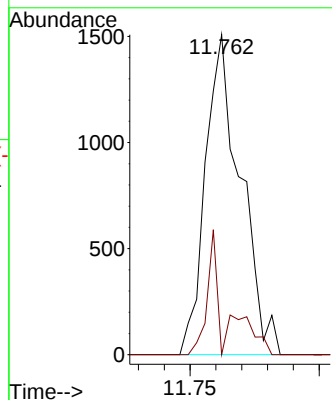
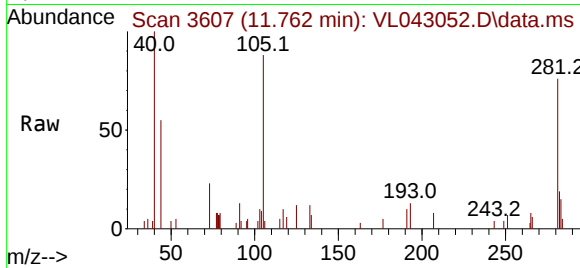




#67
 sec-Butylbenzene
 Concen: 0.015 ppbv
 RT: 11.762 min Scan# 3177
 Delta R.T. 0.010 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

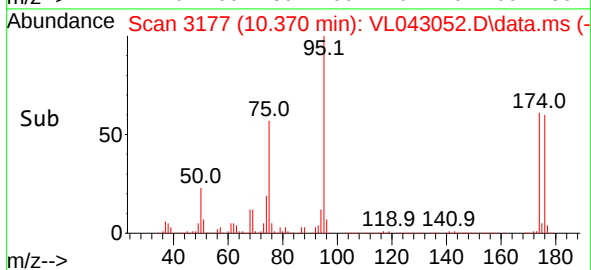
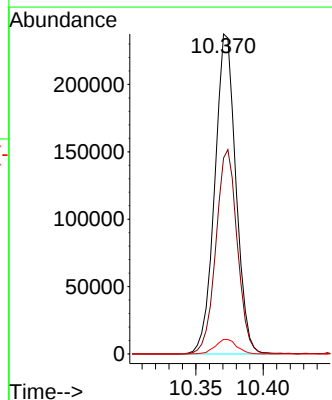
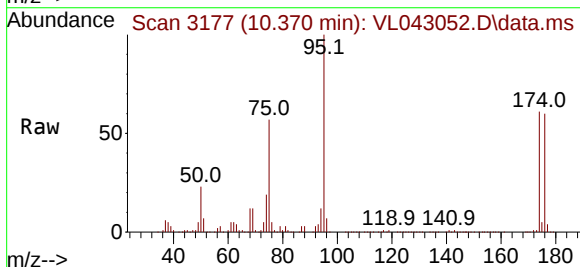
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

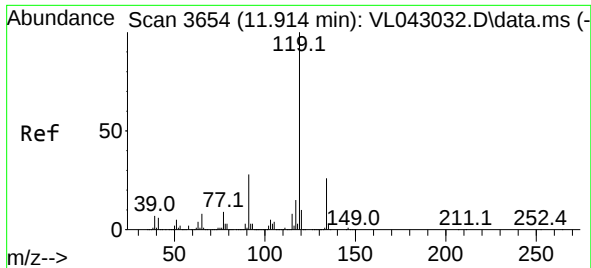
Tgt Ion:105 Resp: 1427
 Ion Ratio Lower Upper
 105 100
 134 20.3 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.509 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.010 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion: 95 Resp: 259613
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.3 78.5
 175 4.7 3.8 5.8

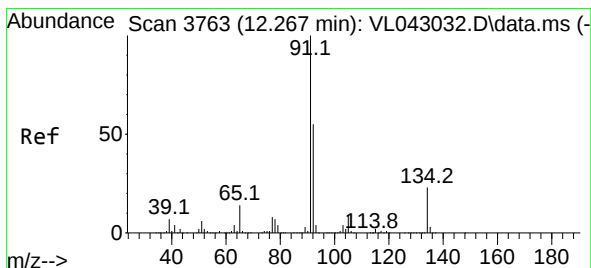
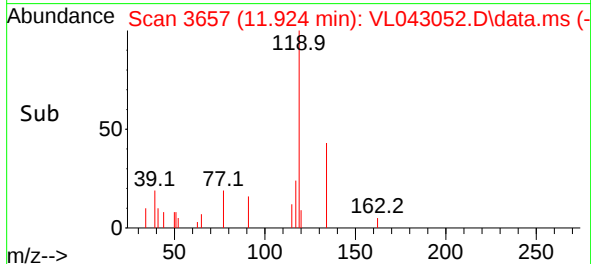
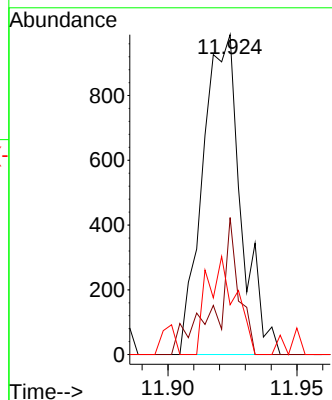
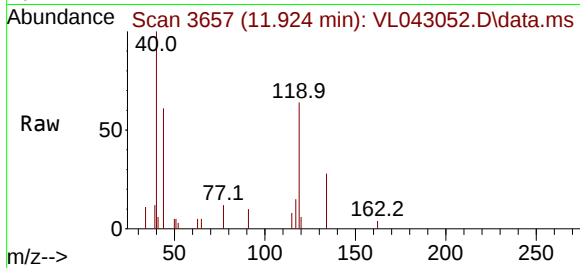




#69
p-Isopropyltoluene
Concen: 0.013 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

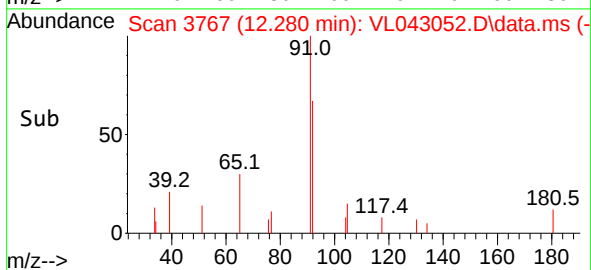
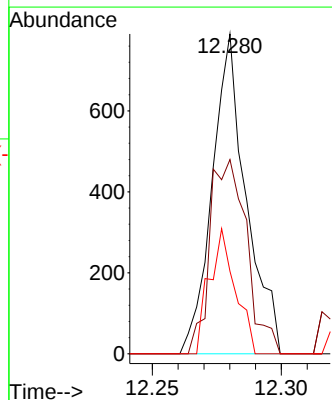
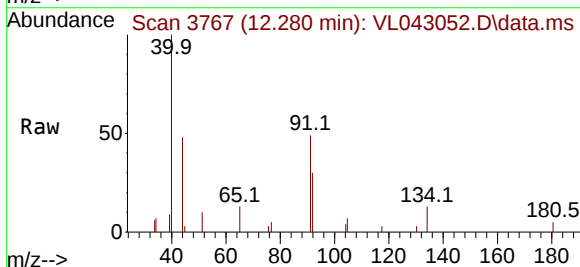
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

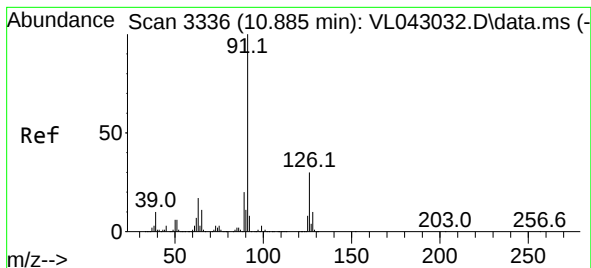
Tgt Ion:	119	Resp:	1017
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.5	30.7
91	27.1	22.6	33.8



#70
n-Butylbenzene
Concen: 0.010 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion:	91	Resp:	723
Ion	Ratio	Lower	Upper
91	100		
92	65.8	43.9	65.9
134	29.9	18.9	28.3





#71

2-Chlorotoluene

Concen: 0.021 ppbv

RT: 10.895 min Scan# 3111

Delta R.T. 0.010 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

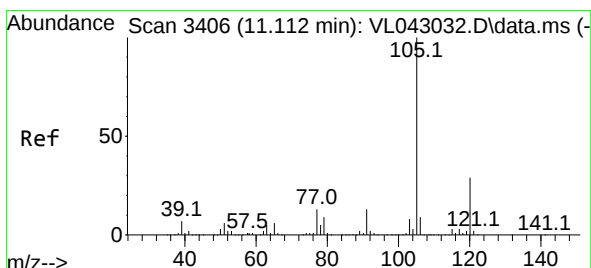
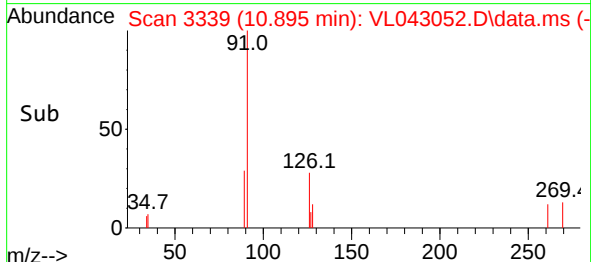
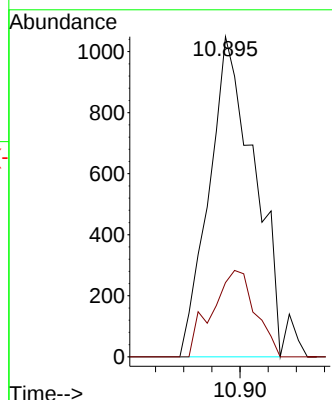
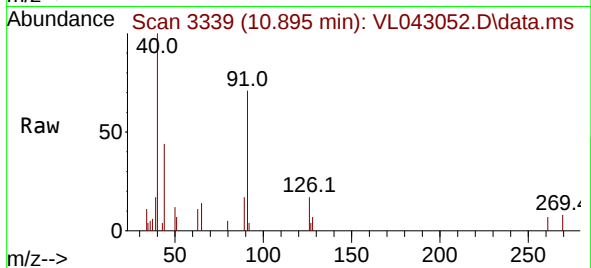
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 1162

Ion Ratio Lower Upper

91 100

126 26.1 12.2 48.6



#72

4-Ethyltoluene

Concen: 0.004 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.016 min

Lab File: VL043052.D

Acq: 06 Oct 2025 14:11

Tgt Ion: 105 Resp: 253

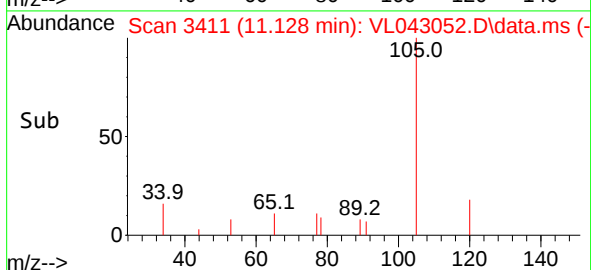
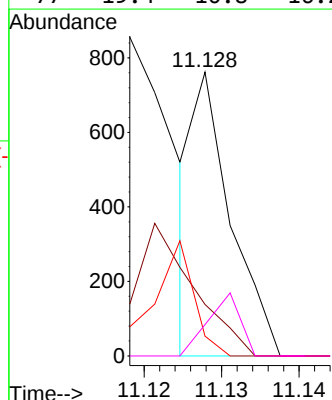
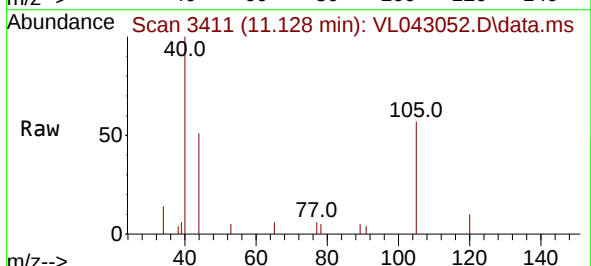
Ion Ratio Lower Upper

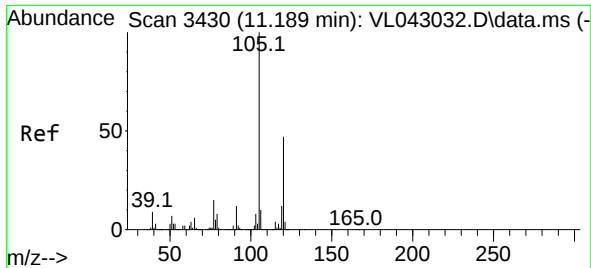
105 100

120 0.0 23.5 35.3#

91 63.6 10.4 15.6#

77 19.4 10.8 16.2#

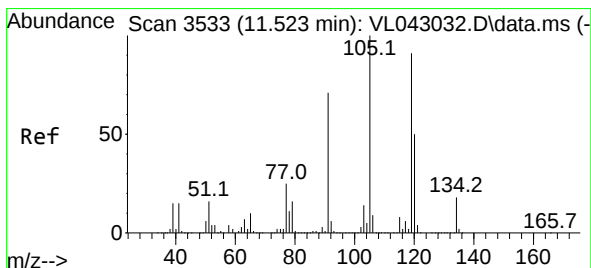
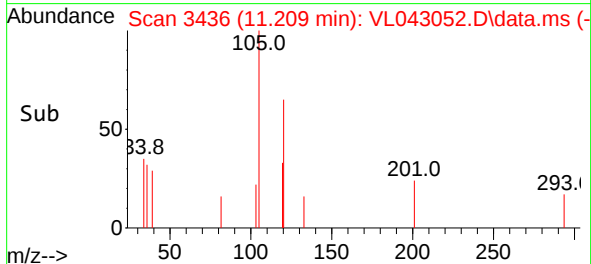
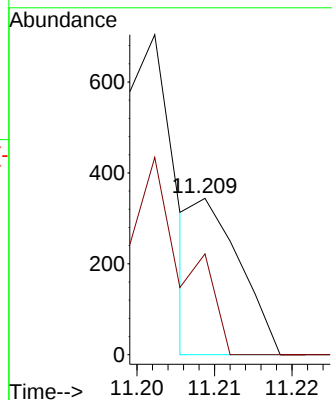
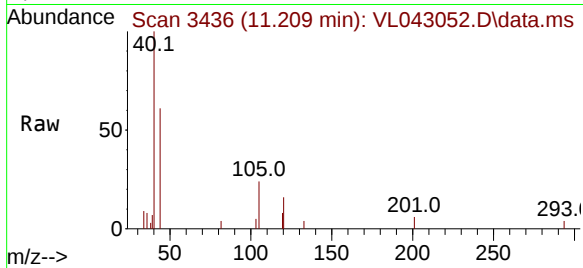




#73
 1,3,5-Trimethylbenzene
 Concen: 0.003 ppbv
 RT: 11.209 min Scan# 3436
 Delta R.T. 0.019 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

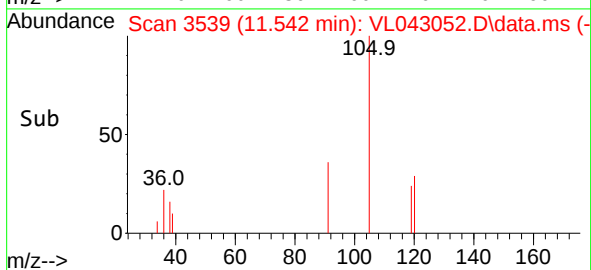
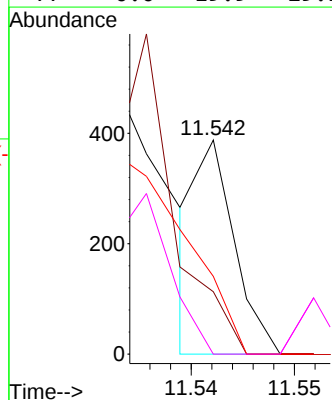
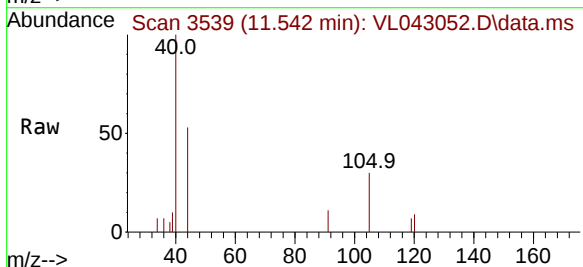
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

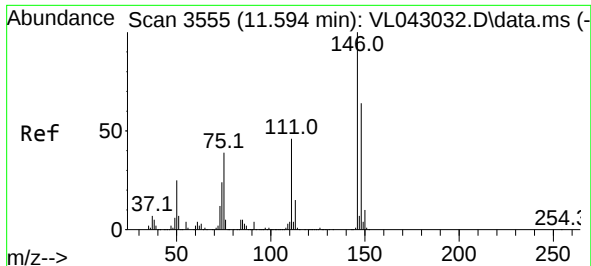
Tgt Ion:105 Resp: 141
 Ion Ratio Lower Upper
 105 100
 120 64.5 37.5 56.3#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.002 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.019 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

Tgt Ion:105 Resp: 95
 Ion Ratio Lower Upper
 105 100
 120 29.1 39.7 59.5#
 91 36.3 56.5 84.7#
 77 0.0 19.9 29.9#

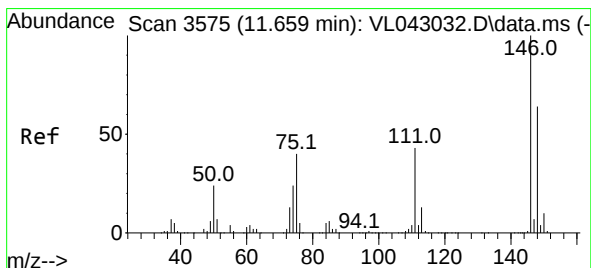
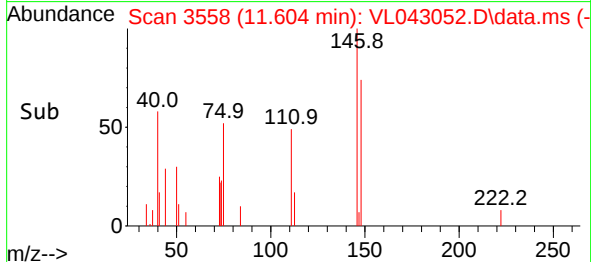
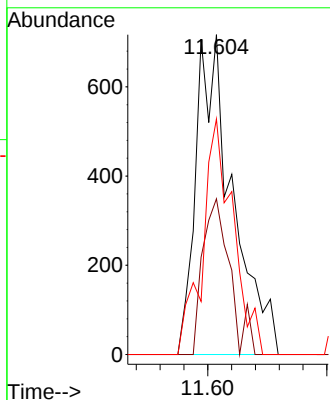
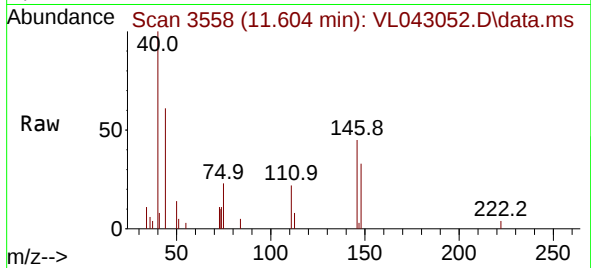




#75
1,3-Dichlorobenzene
Concen: 0.020 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

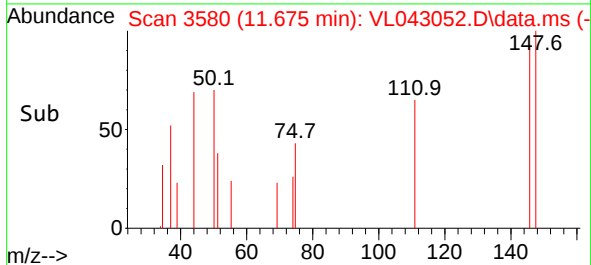
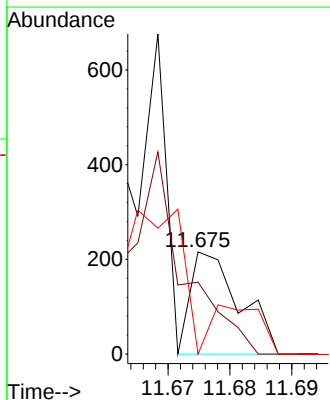
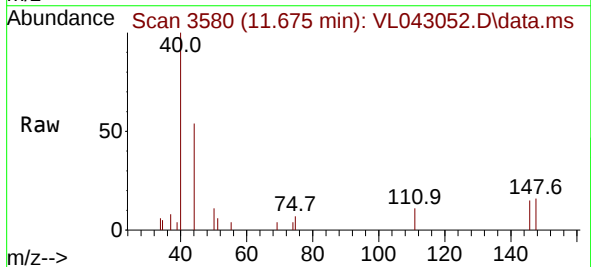
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

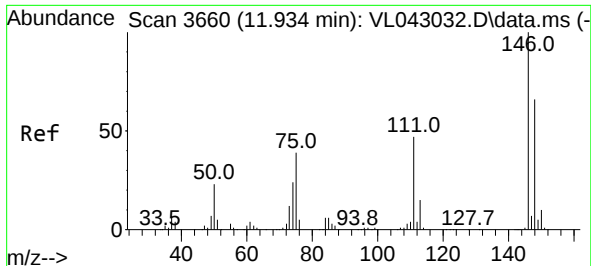
Tgt Ion:	146	Resp:	761
Ion Ratio	Lower	Upper	
146	100		
111	36.1	22.6	67.7
148	61.4	31.9	95.7



#76
1,4-Dichlorobenzene
Concen: 0.003 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.016 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion:	146	Resp:	119
Ion Ratio	Lower	Upper	
146	100		
111	0.0	21.7	65.1#
148	264.7	32.1	96.3#

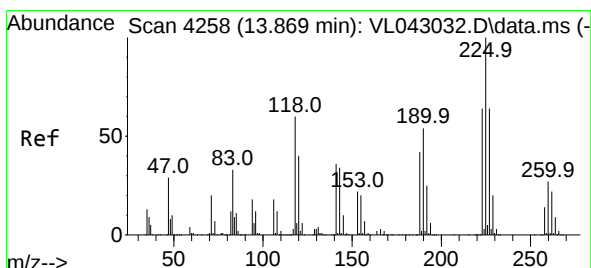
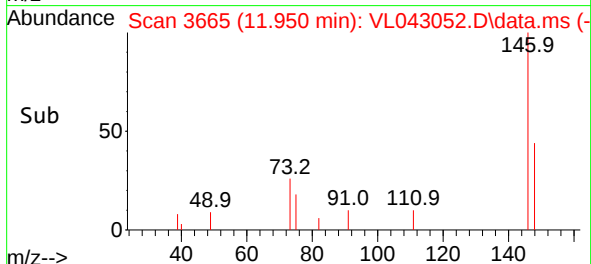
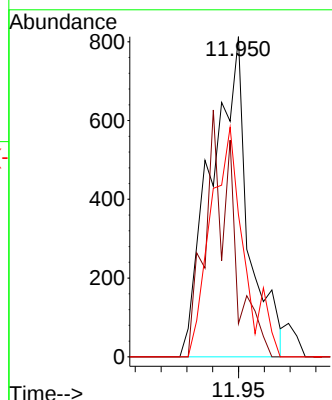
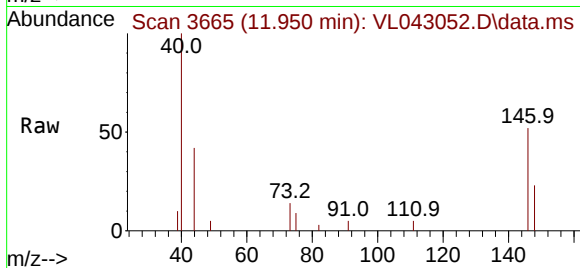




#77
1,2-Dichlorobenzene
Concen: 0.022 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

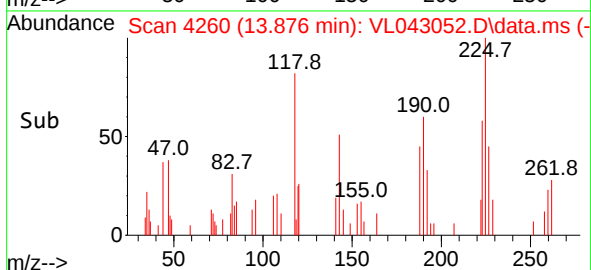
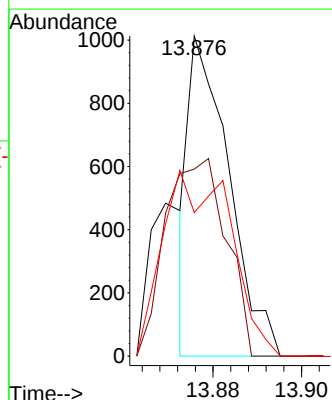
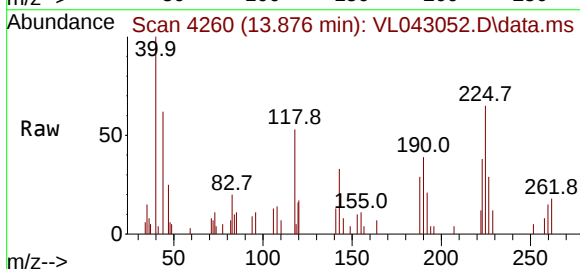
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

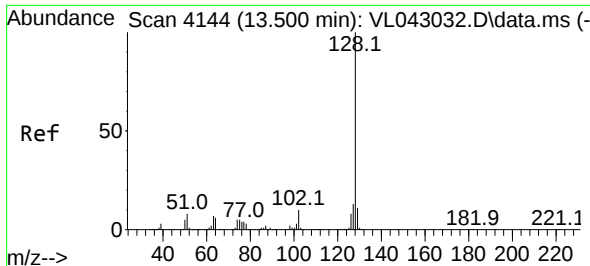
Tgt Ion:146	Resp:	815	
Ion	Ratio	Lower	Upper
146	100		
111	55.2	23.2	69.5
148	63.7	31.9	95.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.025 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.007 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion:225	Resp:	642	
Ion	Ratio	Lower	Upper
225	100		
223	93.0	50.9	76.3#
227	97.4	50.9	76.3#

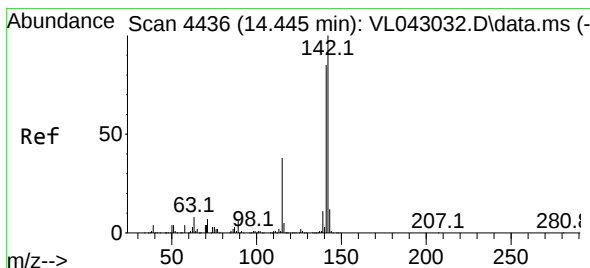
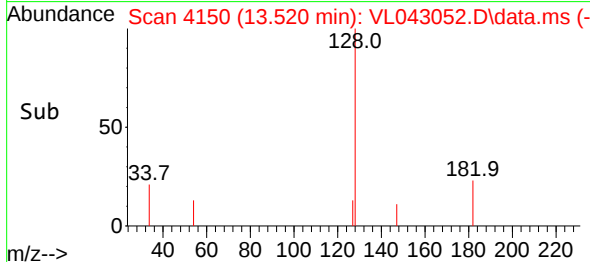
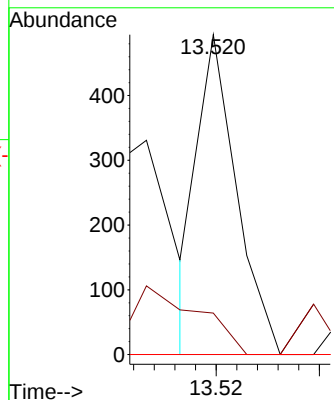
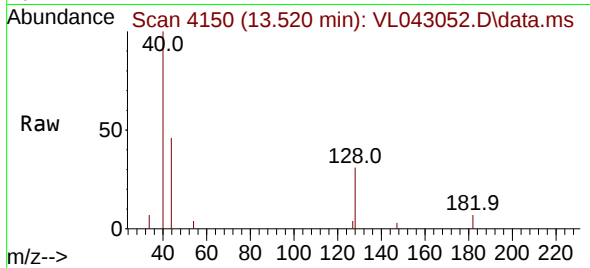




#79
Naphthalene
Concen: 0.004 ppbv
RT: 13.520 min Scan# 4144
Delta R.T. 0.020 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

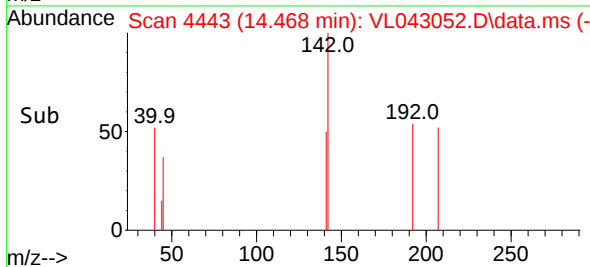
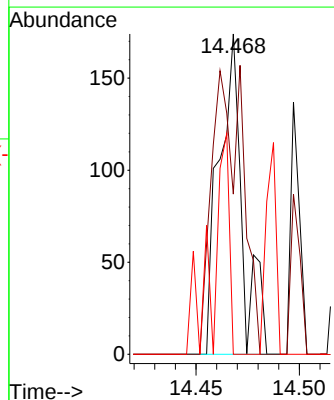
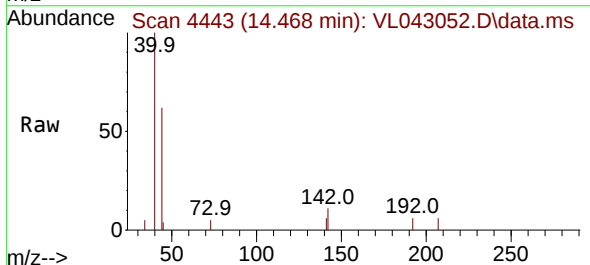
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

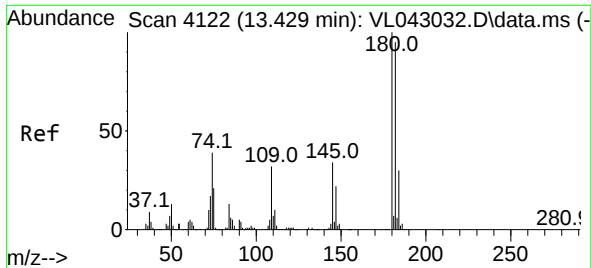
Tgt Ion:128 Resp: 126
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.008 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.023 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

Tgt Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
141 116.1 66.6 100.0#
115 48.9 30.1 45.1#





#81

1,2,4-Trichlorobenzene

Concen: 0.006 ppbv

RT: 13.436 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL043052.D

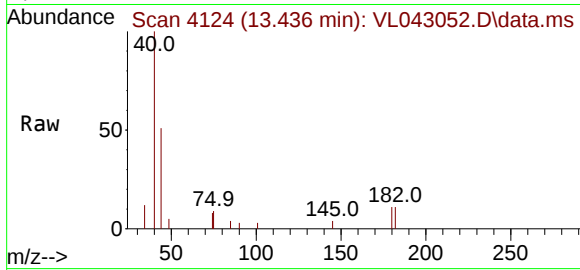
Acq: 06 Oct 2025 14:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion:	180	Resp:	140
Ion	Ratio	Lower	Upper
180	100		
182	141.4	76.9	115.3#
184	0.0	23.9	35.9#

