

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043147.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : Q3530-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

Quant Time: Nov 05 06:28:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	120529	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	382307	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	333519	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	258090	9.956	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	9995	0.583	ppbv	97
3) Chlorodifluoromethane	1.476	51	10860	0.586	ppbv	96
4) Chloromethane	1.535	50	3602	0.531	ppbv	96
5) Vinyl Chloride	1.580	62	3209	0.482	ppbv #	87
6) Bromomethane	1.671	94	2352	0.644	ppbv	87
7) Chloroethane	1.706	64	1612	0.592	ppbv #	82
8) Dichlorotetrafluoroethane	1.554	85	7850	0.567	ppbv	88
9) Propene	1.483	41	4172	0.507	ppbv	97
10) Heptane	4.975	43	6949	0.294	ppbv #	58
11) Trichlorofluoromethane	1.878	101	10486	0.626	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.140	101	7981	0.591	ppbv	92
13) Ethanol	1.722	45	2044	0.672	ppbv	92
14) Bromoethene	1.784	108	2839	0.566	ppbv #	88
15) Acetone	1.836	43	11463	0.706	ppbv	97
16) 1,3-Butadiene	1.609	39	4106	0.530	ppbv	90
17) tert-Butyl alcohol	2.043	59	12635	0.567	ppbv #	89
18) 1,1-Dichloroethene	2.033	96	3248	0.552	ppbv	83
19) Isopropyl Alcohol	1.888	45	5759	0.569	ppbv #	75
20) Methylene Chloride	2.059	84	4569	0.712	ppbv #	92
21) Allyl Chloride	2.098	41	6473	0.541	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	4180	0.594	ppbv	85
23) Vinyl Acetate	2.460	43	15928	0.669	ppbv #	97
24) 1,1-Dichloroethane	2.409	63	7725	0.569	ppbv #	91
25) Ethyl Acetate	2.836	43	20469	0.508	ppbv #	97
26) Hexane	2.829	57	9642	0.519	ppbv	95
27) Carbon Disulfide	2.150	76	9853	0.579	ppbv #	1
28) Methyl tert-Butyl Ether	2.438	73	2427	0.287	ppbv #	49
29) Chloroform	2.846	83	16419	0.610	ppbv	93
30) Cyclohexane	3.859	84	3634	0.224	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	10649	0.601	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	16589	0.592	ppbv	98
34) 2-Butanone	2.558	43	15272	0.594	ppbv	99
35) Carbon Tetrachloride	3.765	117	16936	0.616	ppbv	99
36) Benzene	3.658	78	20740	0.576	ppbv #	87
37) 1,2-Dichloroethane	3.218	62	13380	0.645	ppbv	96
38) Trichloroethene	4.548	130	2514	0.167	ppbv	81
39) 1,2-Dichloropropane	4.315	63	3825	0.291	ppbv	92
40) 1,4-Dioxane	4.593	88	1417	0.241	ppbv #	1
41) Tetrahydrofuran	3.059	42	7202	0.501	ppbv	97
42) Bromodichloromethane	4.487	83	17227	0.600	ppbv	91
43) Methyl Methacrylate	4.872	69	3453	0.189	ppbv #	1
44) 2,2,4-Trimethylpentane	4.639	57	30220	0.497	ppbv	97
45) t-1,3-Dichloropropene	6.399	75	2752	0.150	ppbv	97

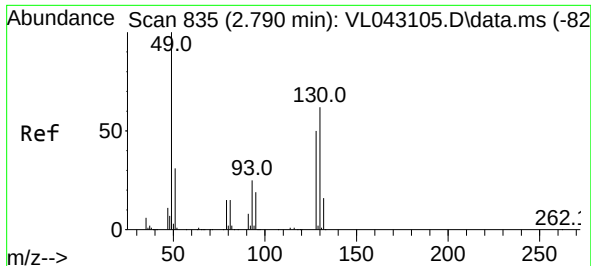
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
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Quant Time: Nov 05 06:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	11069	0.505	ppbv #	79
47) 1,1,2-Trichloroethane	6.577	97	8190	0.576	ppbv #	89
48) Dibromochloromethane	7.377	129	5913	0.249	ppbv #	10
49) Bromoform	9.477	173	11414	0.591	ppbv	97
50) 4-Methyl-2-Pentanone	5.752	43	8286	0.234	ppbv #	38
51) 2-Hexanone	7.435	43	7424	0.279	ppbv #	68
52) Tetrachloroethene	8.222	164	5175	0.399	ppbv #	90
53) Toluene	6.930	91	20519	0.480	ppbv	97
54) 1,2-Dibromoethane	7.649	107	12338	0.554	ppbv #	75
56) 1,1,1,2-Tetrachloroethane	8.924	131	13031	0.620	ppbv #	1
57) Chlorobenzene	8.918	112	18460	0.592	ppbv	98
58) Ethyl Benzene	9.351	91	27443	0.479	ppbv	92
59) m/p-Xylene	9.529	91	23471	0.514	ppbv #	29
60) o-Xylene	9.960	91	22365	0.496	ppbv	96
61) Styrene	9.869	104	8795	0.432	ppbv	99
62) Isopropylbenzene	10.539	105	43714	0.537	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.960	83	17397	0.576	ppbv	100
64) n-propylbenzene	10.986	120	11622	0.539	ppbv	97
65) tert-Butylbenzene	11.529	119	39041	0.543	ppbv	100
66) Benzyl Chloride	11.617	91	3461	0.432	ppbv #	95
67) sec-Butylbenzene	11.766	105	54508	0.534	ppbv	98
69) p-Isopropyltoluene	11.924	119	45168	0.521	ppbv	99
70) n-Butylbenzene	12.280	91	42575	0.498	ppbv	96
71) 2-Chlorotoluene	10.902	91	32021	0.515	ppbv	97
72) 4-Ethyltoluene	11.122	105	26689	0.481	ppbv	96
73) 1,3,5-Trimethylbenzene	11.199	105	22734	0.497	ppbv	95
74) 1,2,4-Trimethylbenzene	11.533	105	26535	0.519	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	18180	0.613	ppbv	97
76) 1,4-Dichlorobenzene	11.672	146	17692	0.591	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	18270	0.636	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	15428	0.694	ppbv	98
79) Naphthalene	13.514	128	22379	0.418	ppbv	96
80) Naphthalene,2-methyl-	14.462	142	3490	0.250	ppbv	94
81) 1,2,4-Trichlorobenzene	13.439	180	9187	0.414	ppbv	96

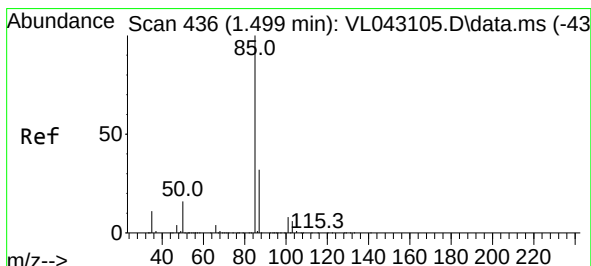
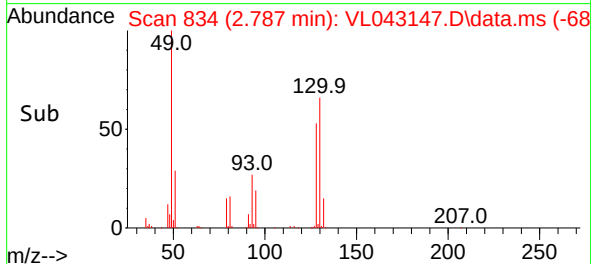
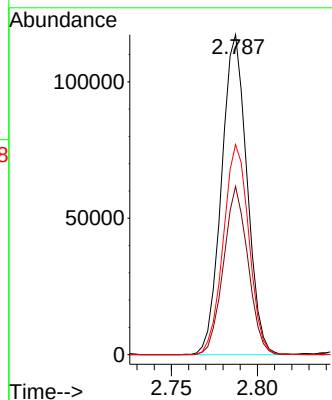
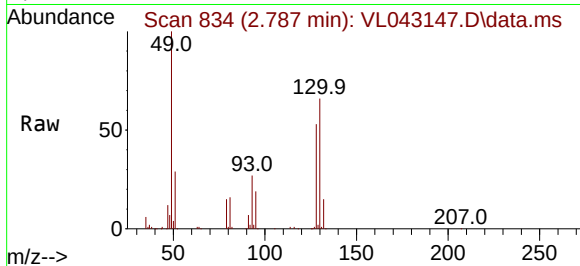
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

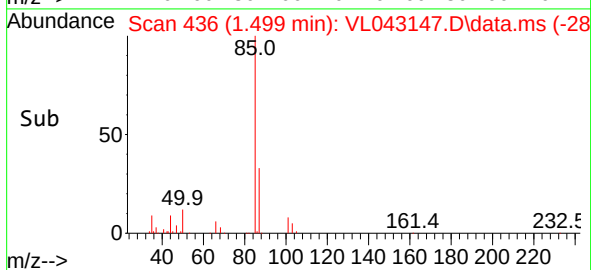
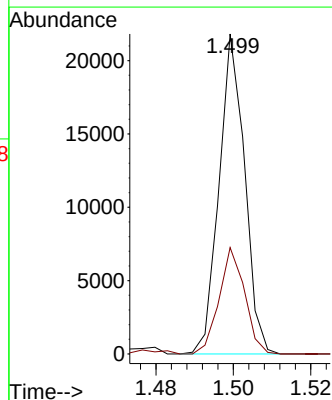
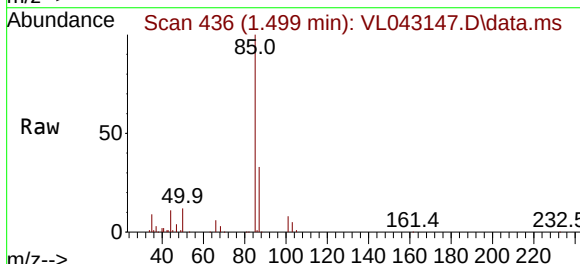
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

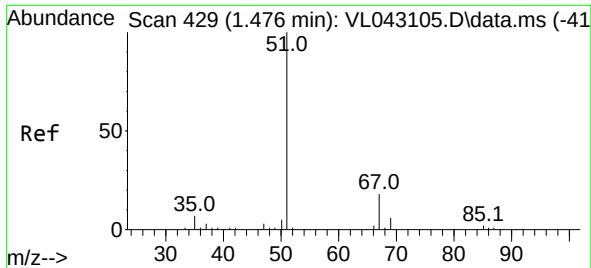
Tgt Ion: 49 Resp: 120529
Ion Ratio Lower Upper
49 100
128 50.7 24.4 73.4
130 66.1 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.583 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 85 Resp: 9995
Ion Ratio Lower Upper
85 100
87 33.2 25.3 37.9





#3

Chlorodifluoromethane

Concen: 0.586 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

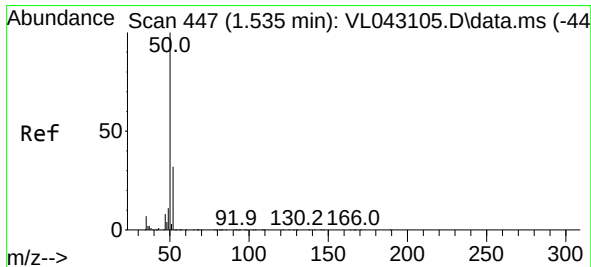
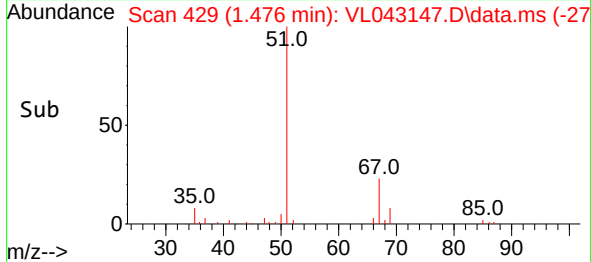
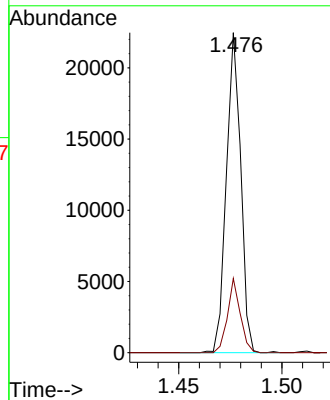
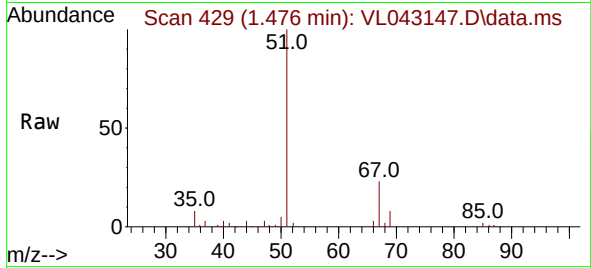
LOQ-AIR-02-QT4-2025

Tgt Ion: 51 Resp: 10860

Ion Ratio Lower Upper

51 100

67 20.6 15.1 22.7



#4

Chloromethane

Concen: 0.531 ppbv

RT: 1.535 min Scan# 447

Delta R.T. 0.000 min

Lab File: VL043147.D

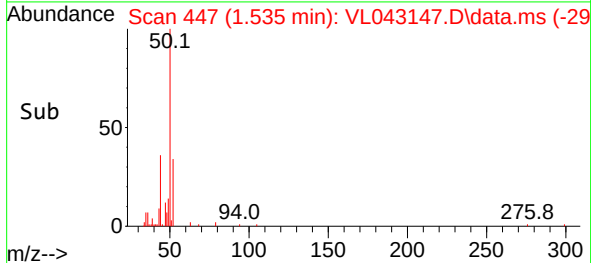
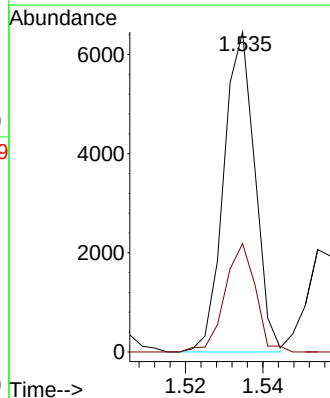
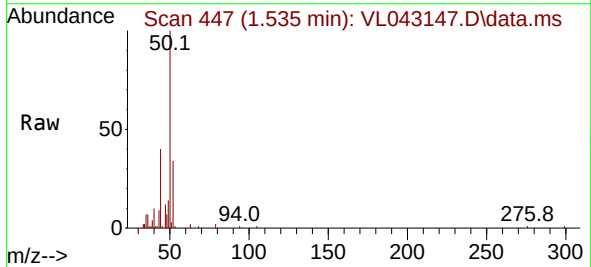
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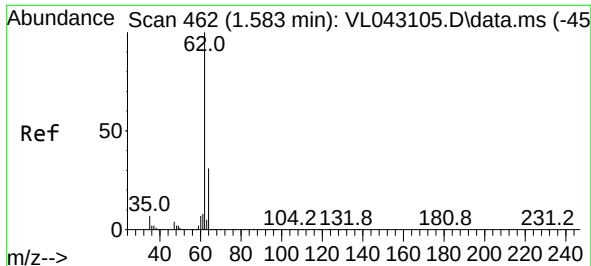
Tgt Ion: 50 Resp: 3602

Ion Ratio Lower Upper

50 100

52 33.8 25.2 37.8

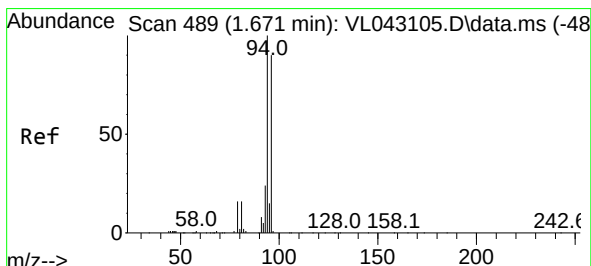
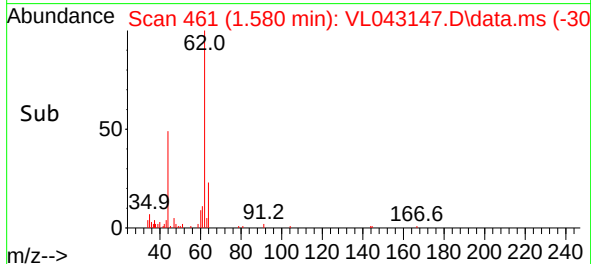
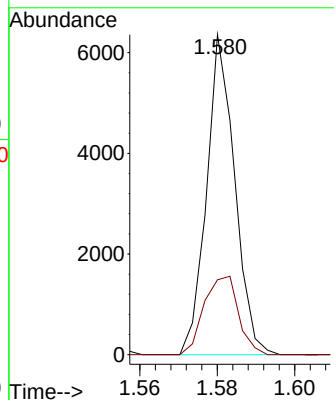
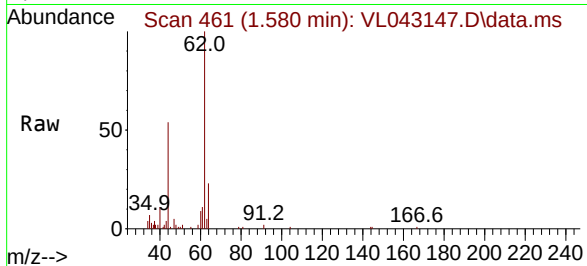




#5
 Vinyl Chloride
 Concen: 0.482 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

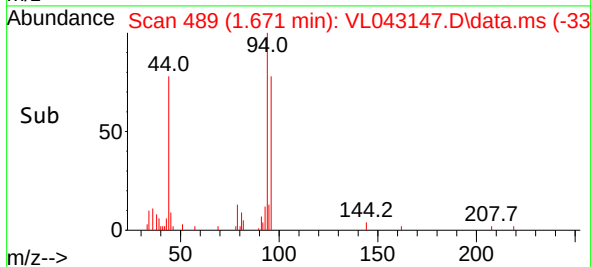
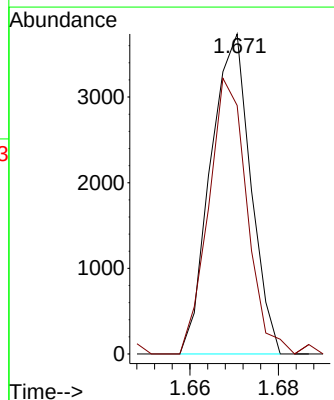
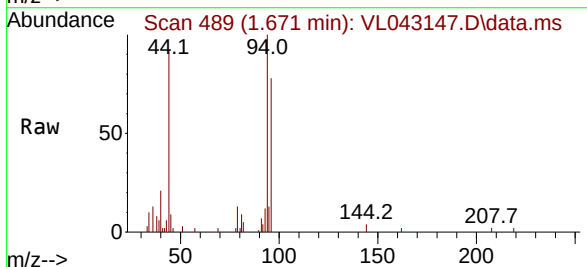
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT4-2025

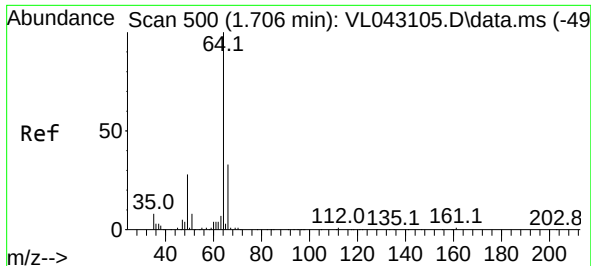
Tgt Ion: 62 Resp: 3209
 Ion Ratio Lower Upper
 62 100
 64 23.4 24.6 36.8#



#6
 Bromomethane
 Concen: 0.644 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion: 94 Resp: 2352
 Ion Ratio Lower Upper
 94 100
 96 77.7 72.2 108.4

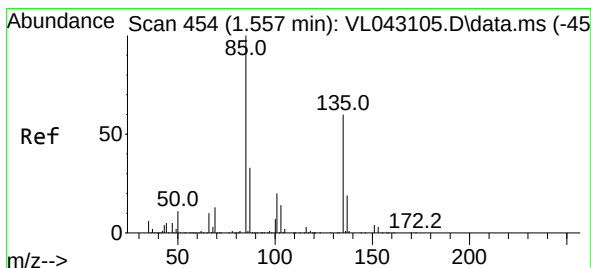
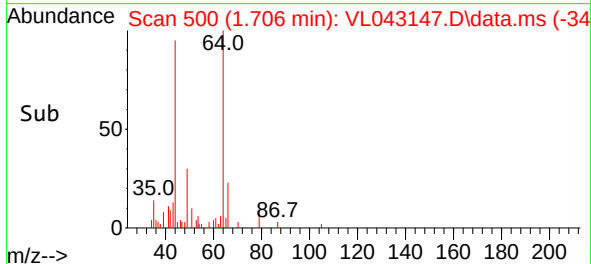
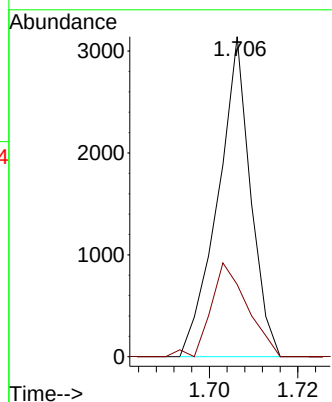
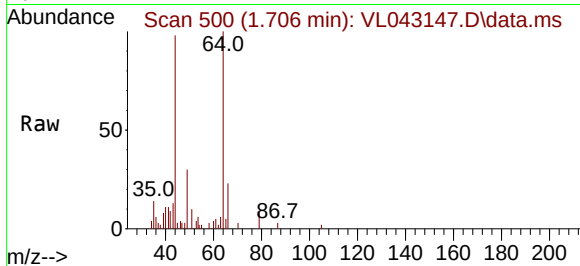




#7
Chloroethane
Concen: 0.592 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

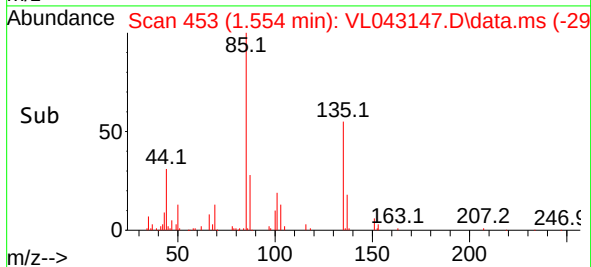
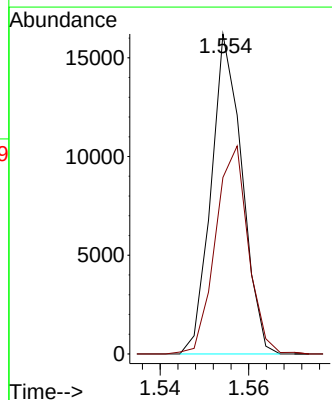
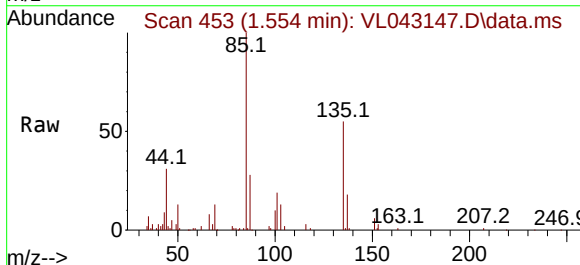
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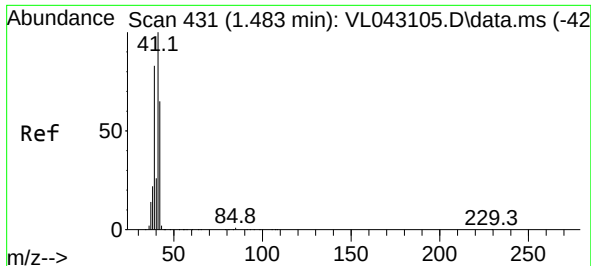
Tgt Ion: 64 Resp: 1612
Ion Ratio Lower Upper
64 100
66 22.6 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.567 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 85 Resp: 7850
Ion Ratio Lower Upper
85 100
135 69.1 48.2 72.4

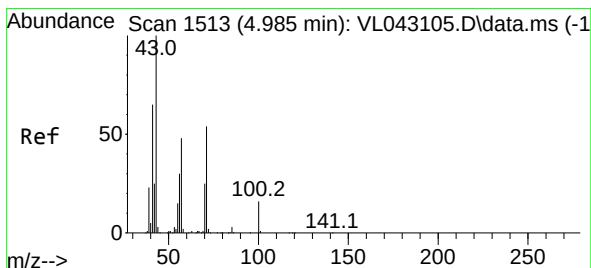
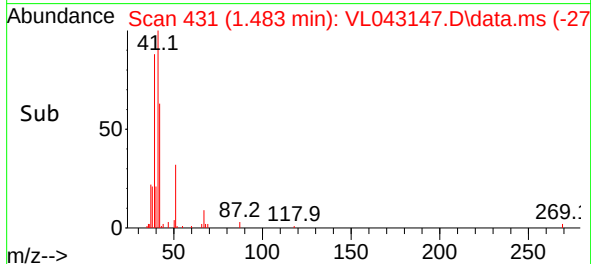
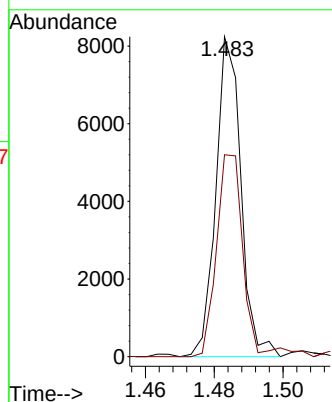
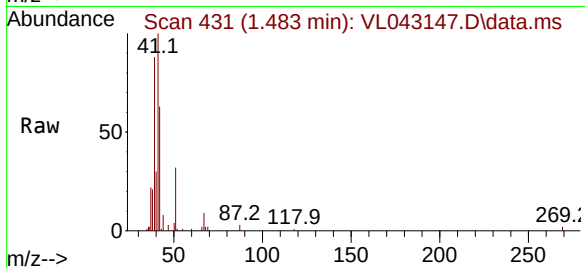




#9
Propene
Concen: 0.507 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

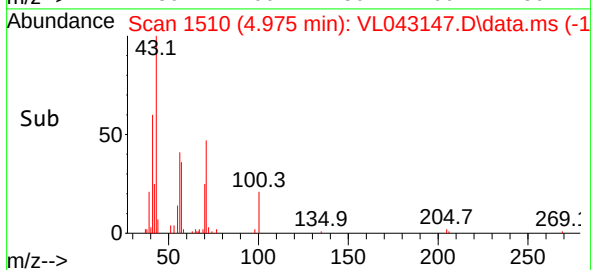
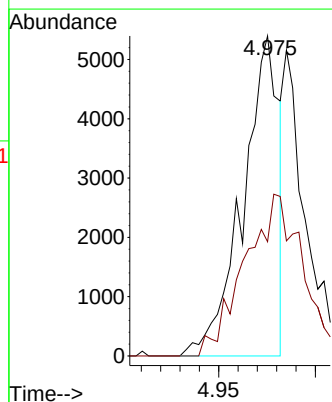
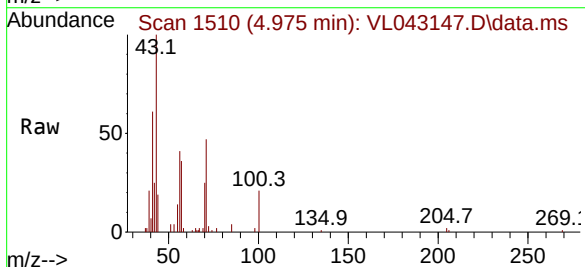
Instrument :
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LOQ-AIR-02-QT4-2025

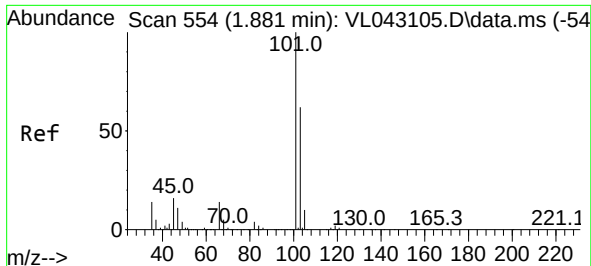
Tgt Ion: 41 Resp: 4172
Ion Ratio Lower Upper
41 100
42 71.0 55.1 82.7



#10
Heptane
Concen: 0.294 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 43 Resp: 6949
Ion Ratio Lower Upper
43 100
57 80.2 40.8 61.2#

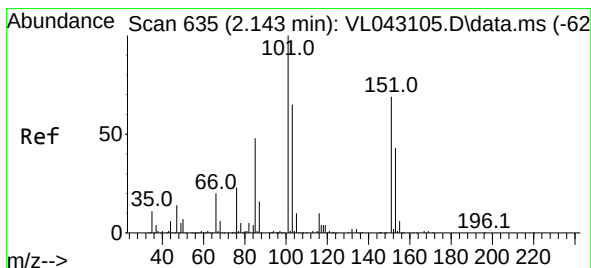
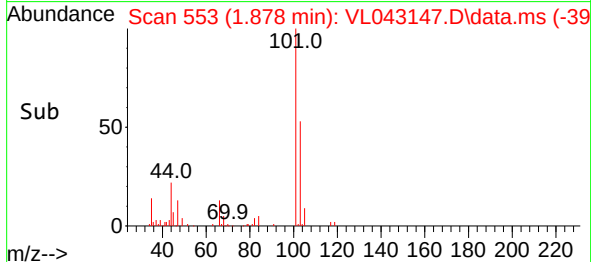
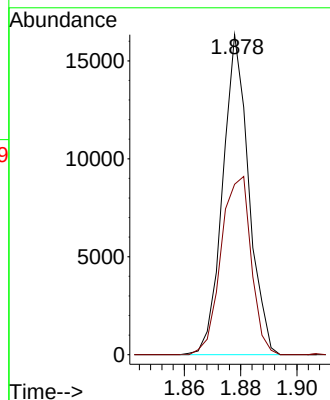
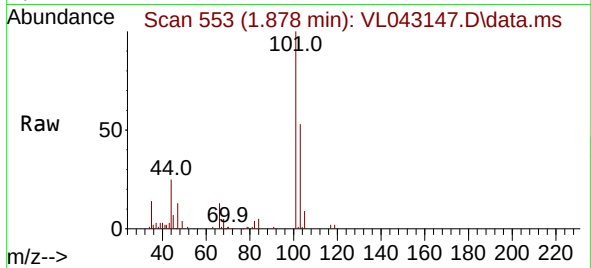




#11
 Trichlorofluoromethane
 Concen: 0.626 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

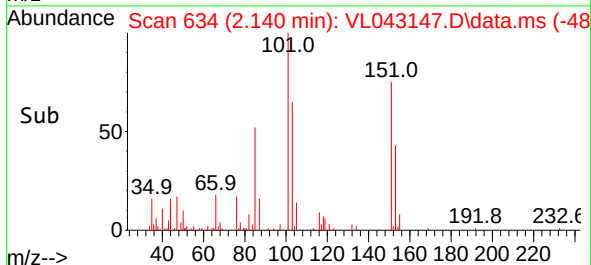
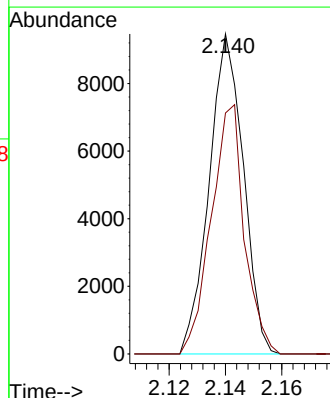
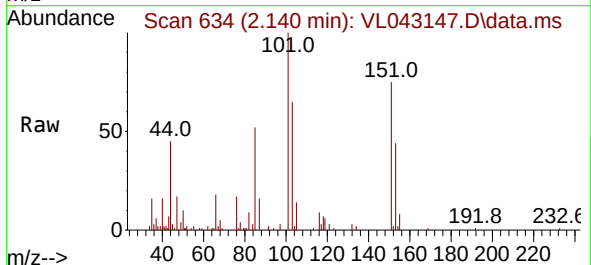
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT4-2025

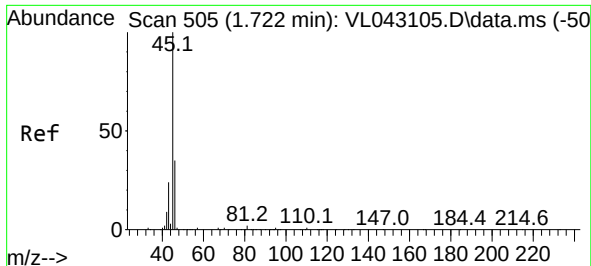
Tgt Ion:101 Resp: 10486
 Ion Ratio Lower Upper
 101 100
 103 53.3 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.591 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion:101 Resp: 7981
 Ion Ratio Lower Upper
 101 100
 151 75.3 54.7 82.1

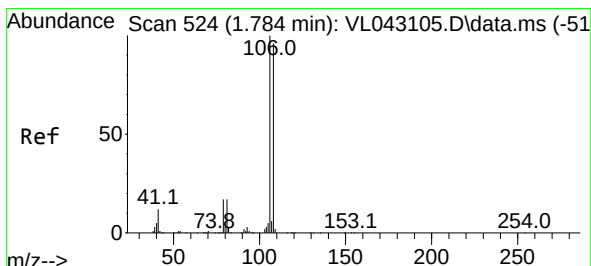
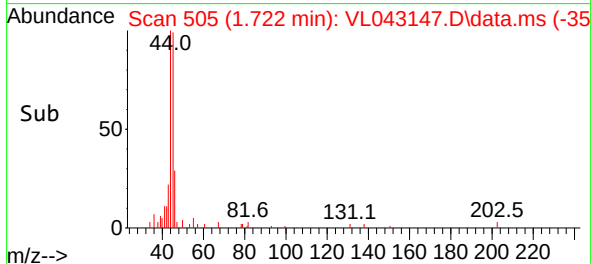
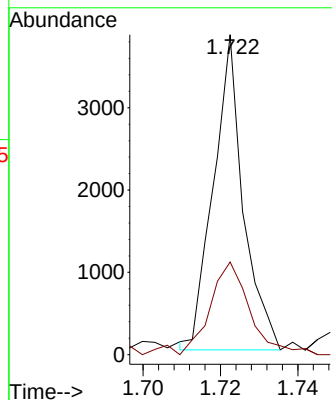
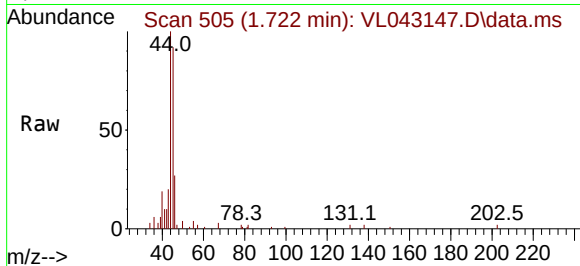




#13
Ethanol
Concen: 0.672 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

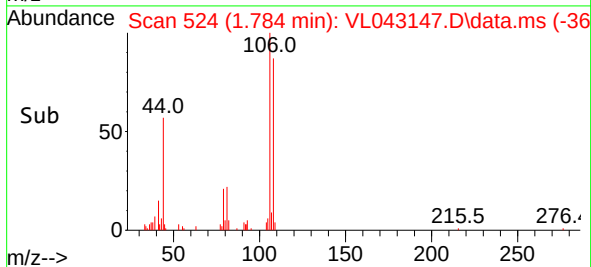
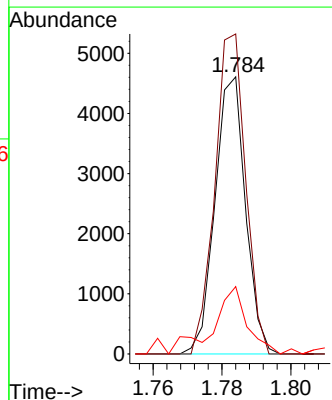
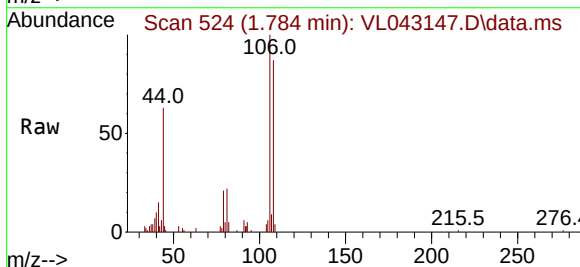
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

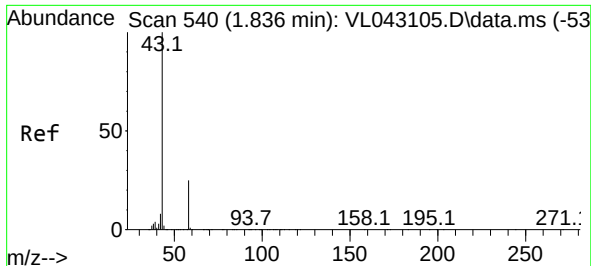
Tgt Ion: 45 Resp: 2044
Ion Ratio Lower Upper
45 100
46 41.6 14.7 58.9



#14
Bromoethene
Concen: 0.566 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 108 Resp: 2839
Ion Ratio Lower Upper
108 100
106 115.9 84.4 126.6
79 29.8 15.3 22.9

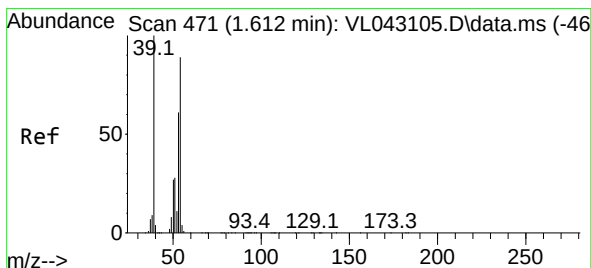
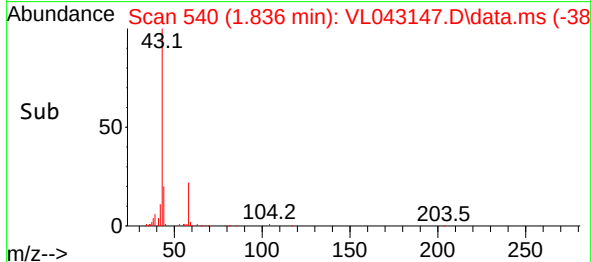
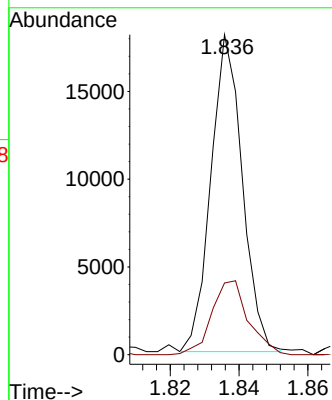
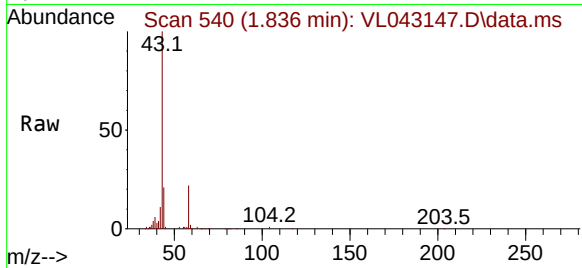




#15
Acetone
Concen: 0.706 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

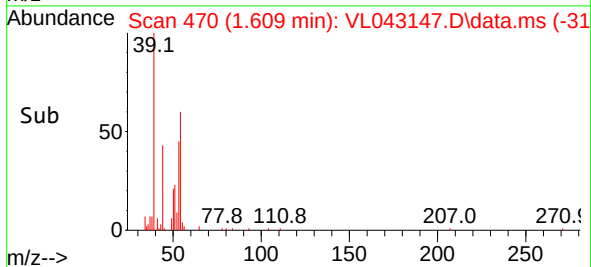
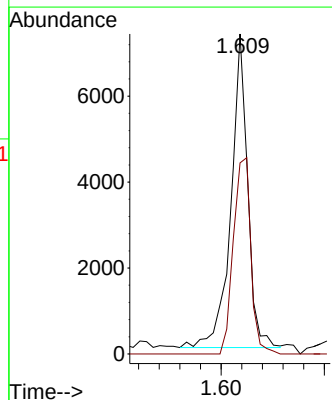
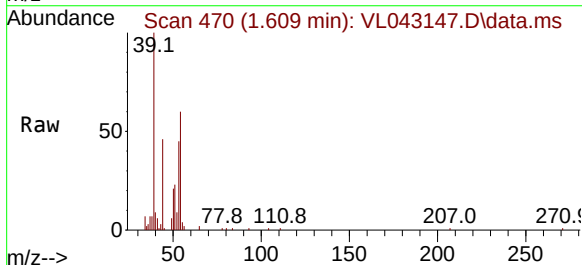
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

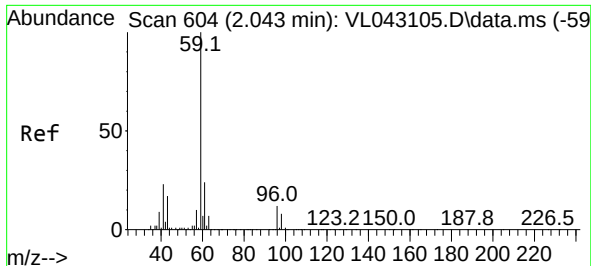
Tgt Ion: 43 Resp: 11463
Ion Ratio Lower Upper
43 100
58 27.5 20.8 31.2



#16
1,3-Butadiene
Concen: 0.530 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 39 Resp: 4106
Ion Ratio Lower Upper
39 100
54 65.3 59.0 88.4

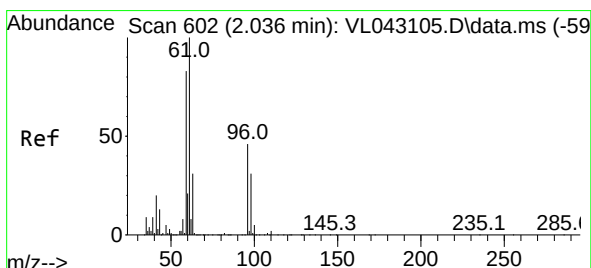
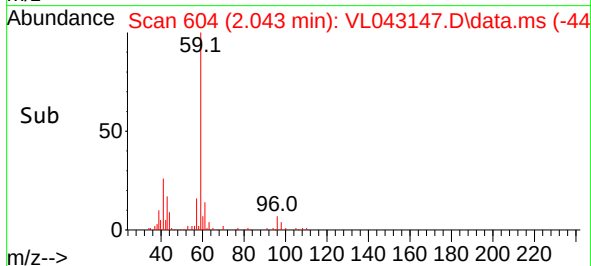
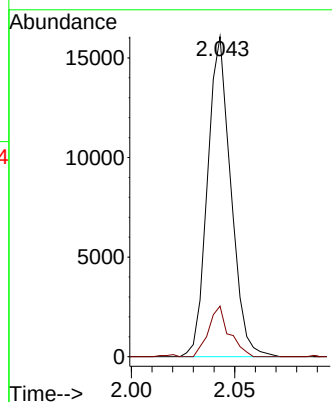
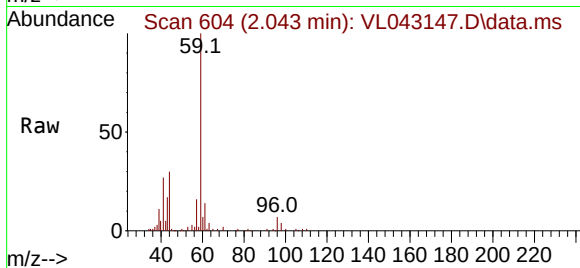




#17
tert-Butyl alcohol
Concen: 0.567 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

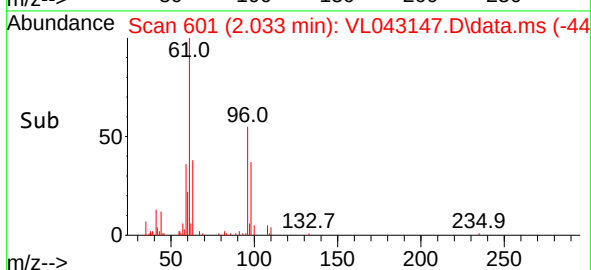
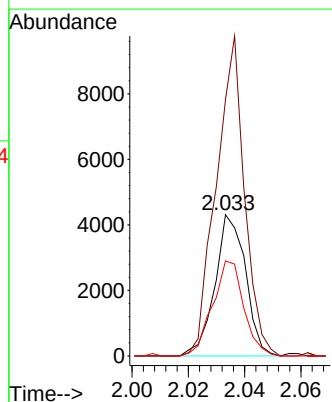
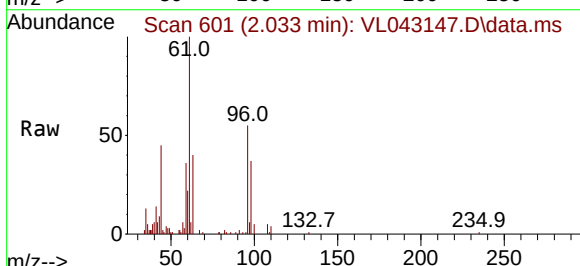
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

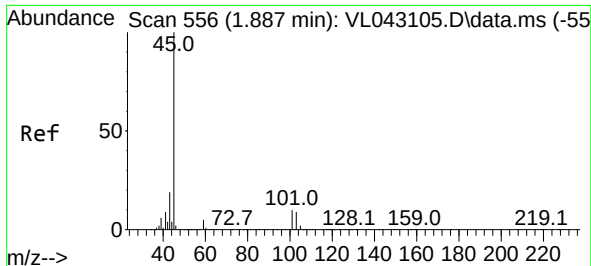
Tgt Ion: 59 Resp: 12635
Ion Ratio Lower Upper
59 100
57 14.3 8.2 12.4#



#18
1,1-Dichloroethene
Concen: 0.552 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 96 Resp: 3248
Ion Ratio Lower Upper
96 100
61 181.4 173.4 260.0
98 67.3 53.2 79.8

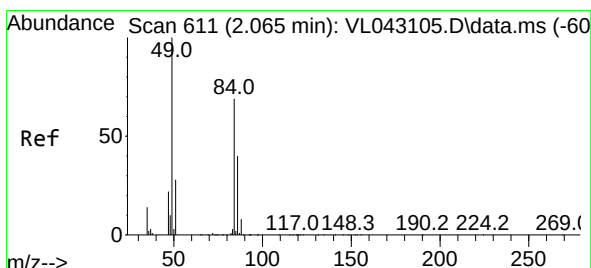
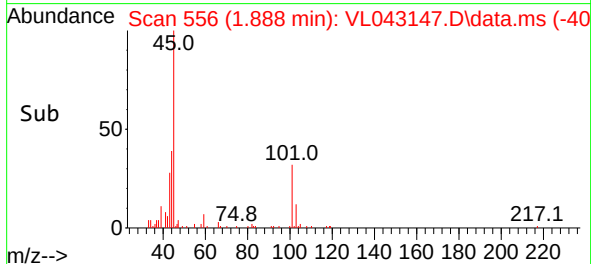
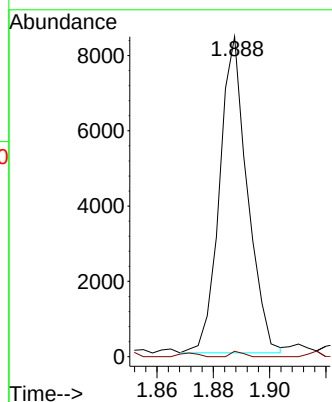
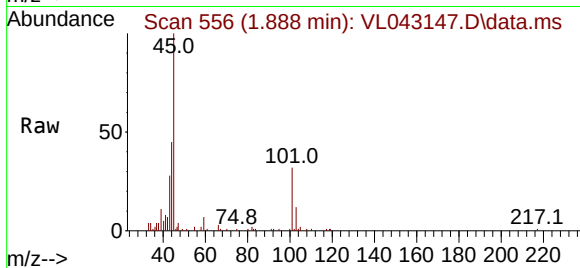




#19
Isopropyl Alcohol
Concen: 0.569 ppbv
RT: 1.888 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

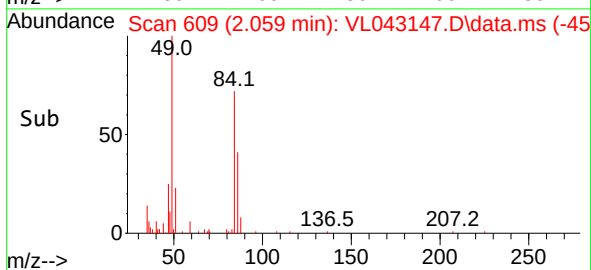
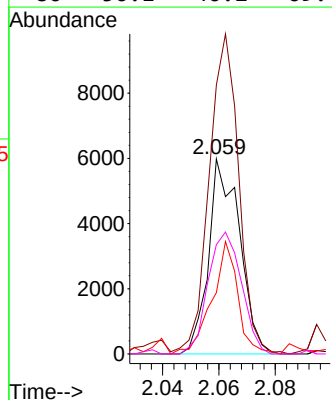
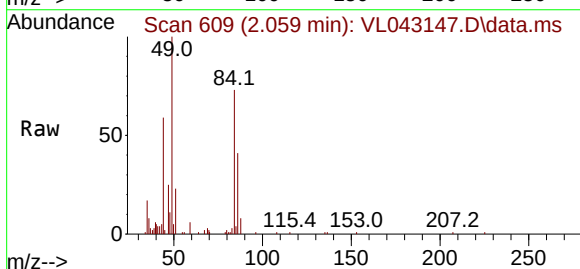
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

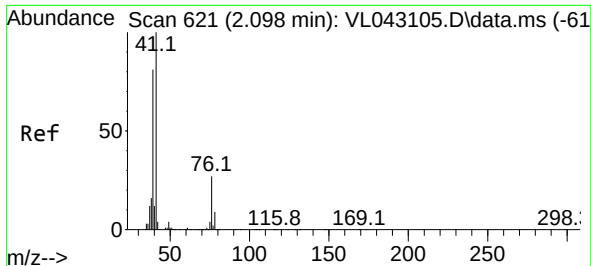
Tgt Ion: 45 Resp: 5759
Ion Ratio Lower Upper
45 100
58 54.6 31.3 46.9#



#20
Methylene Chloride
Concen: 0.712 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 84 Resp: 4569
Ion Ratio Lower Upper
84 100
49 136.6 116.6 175.0
51 31.4 34.8 52.2#
86 56.1 46.2 69.4

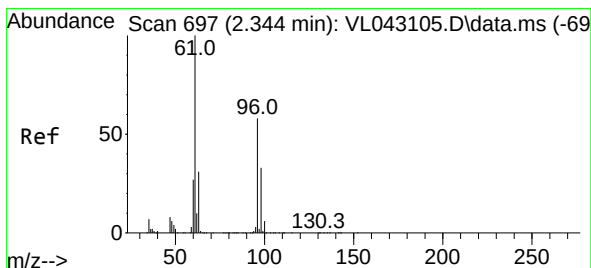
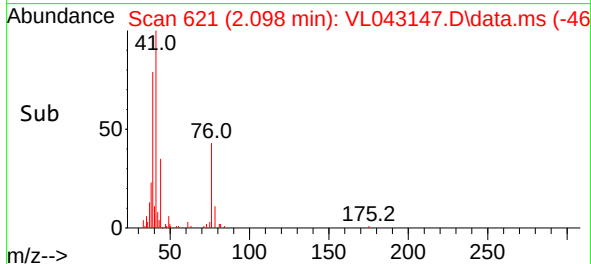
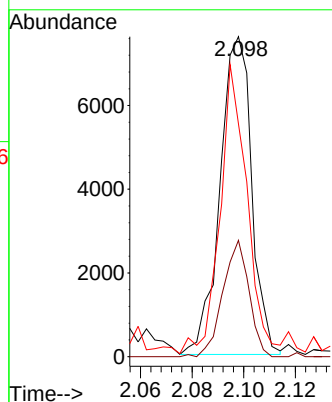
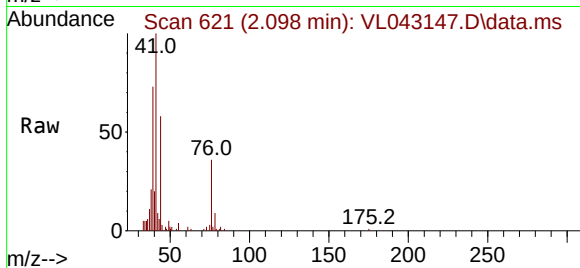




#21
 Allyl Chloride
 Concen: 0.541 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

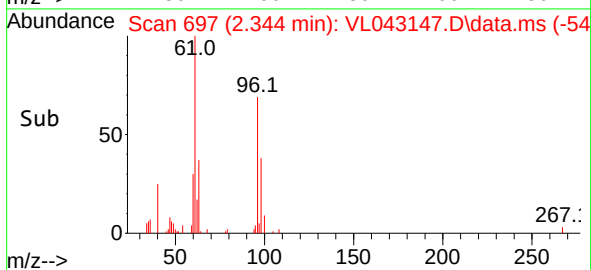
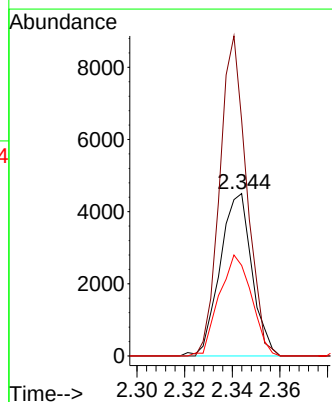
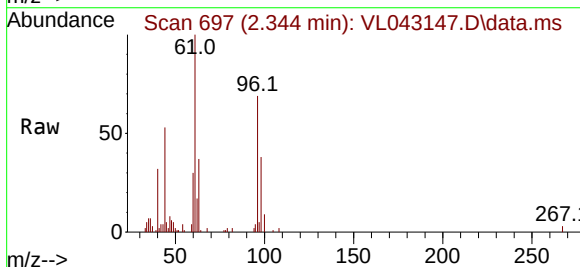
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

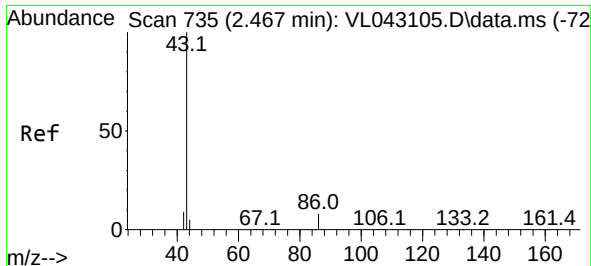
Tgt Ion: 41	Resp: 6473
Ion Ratio	Lower Upper
41	100
76	30.4 21.5 32.3
39	79.7 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.594 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion: 96	Resp: 4180
Ion Ratio	Lower Upper
96	100
61	145.2 137.0 205.6
98	55.7 45.5 68.3

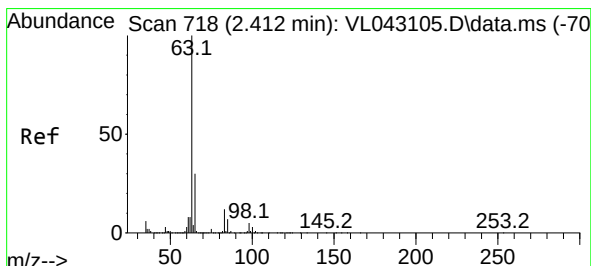
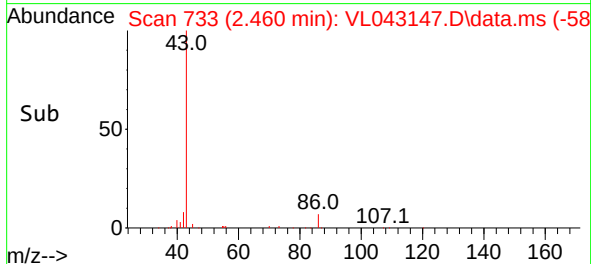
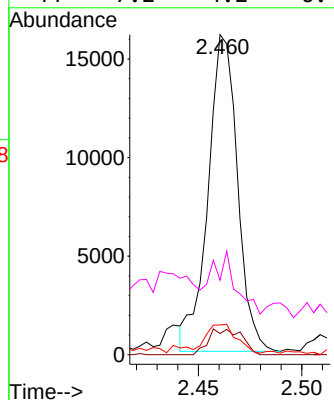
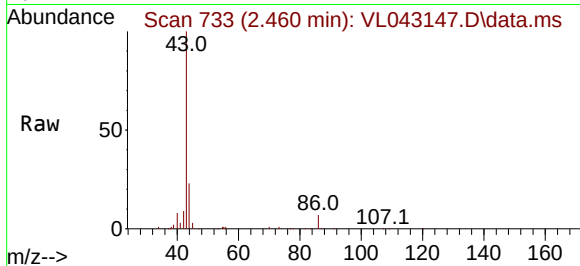




#23
 Vinyl Acetate
 Concen: 0.669 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.006 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

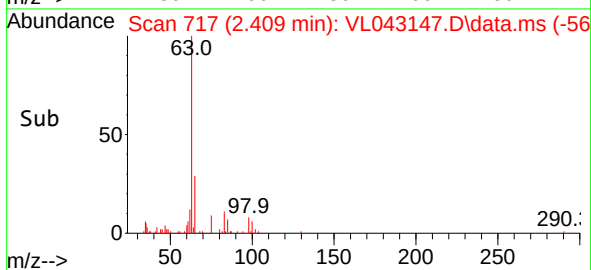
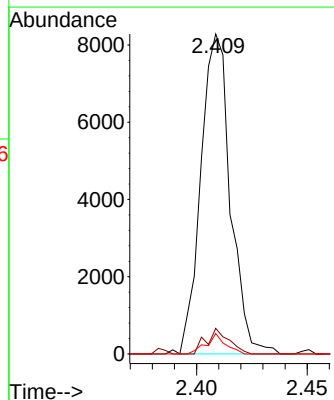
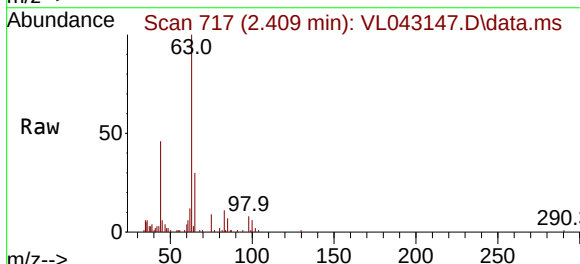
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

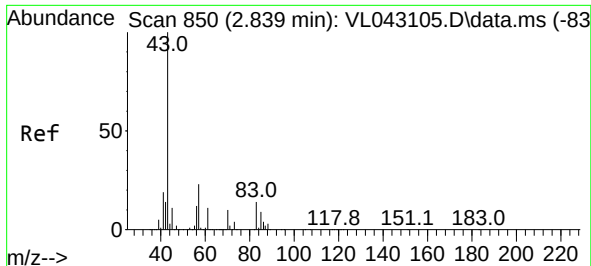
Tgt Ion:	43	Resp:	15928
Ion	Ratio	Lower	Upper
43	100		
86	6.7	6.2	9.2
42	8.9	7.6	11.4
44	7.2	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 0.569 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion:	63	Resp:	7725
Ion	Ratio	Lower	Upper
63	100		
98	8.0	2.6	7.8
100	6.4	1.5	4.4

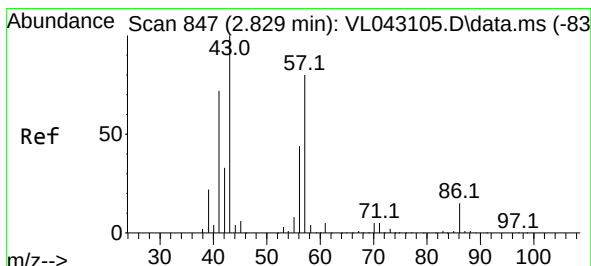
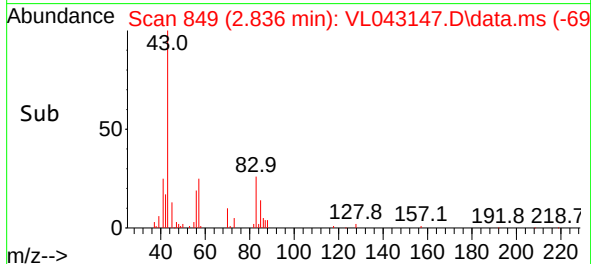
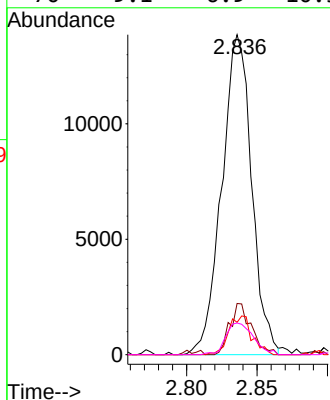
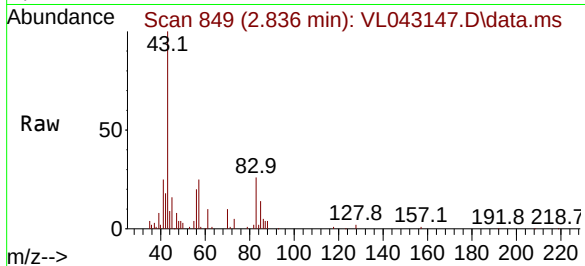




#25
Ethyl Acetate
Concen: 0.508 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

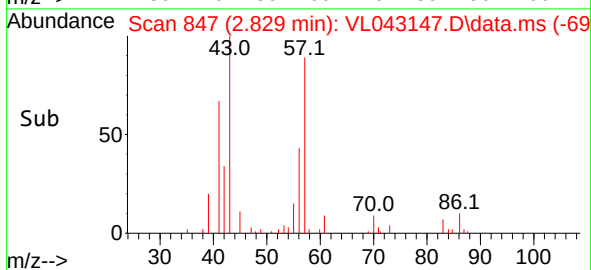
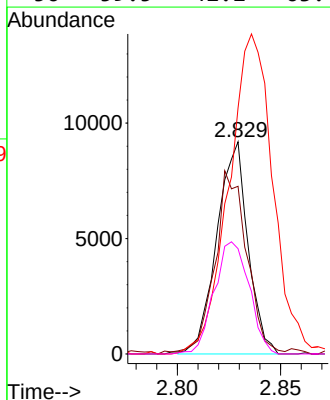
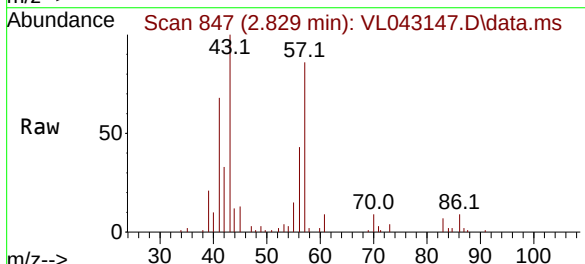
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

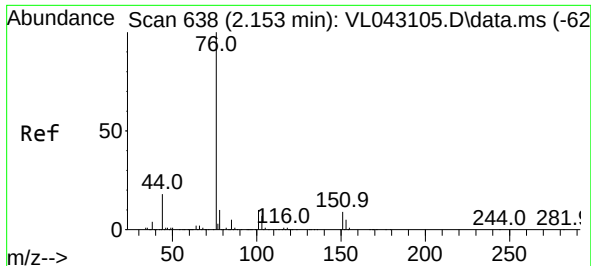
Tgt Ion: 43	Resp: 20469
Ion Ratio	Lower Upper
43 100	
45 12.2	7.8 11.8#
61 9.5	7.0 10.6
70 9.1	6.9 10.3



#26
Hexane
Concen: 0.519 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 57	Resp: 9642
Ion Ratio	Lower Upper
57 100	
41 91.5	71.4 107.0
43 214.8	178.5 267.7
56 59.5	42.2 63.4

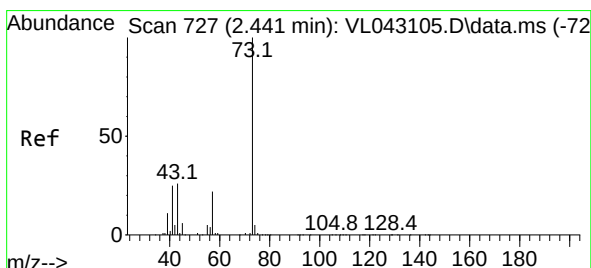
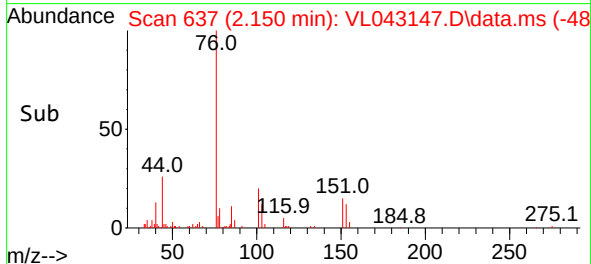
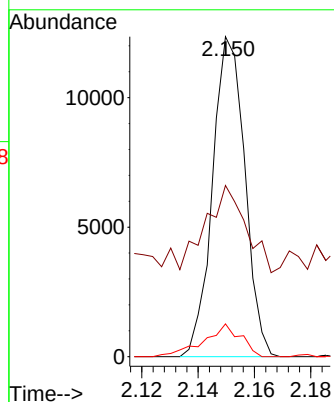
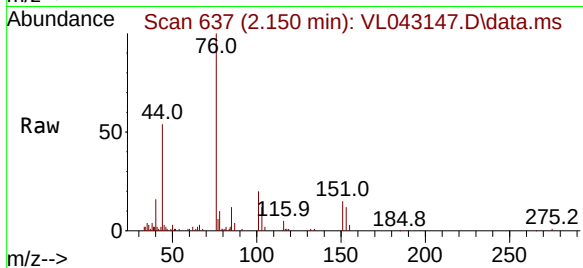




#27
Carbon Disulfide
Concen: 0.579 ppbv
RT: 2.150 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

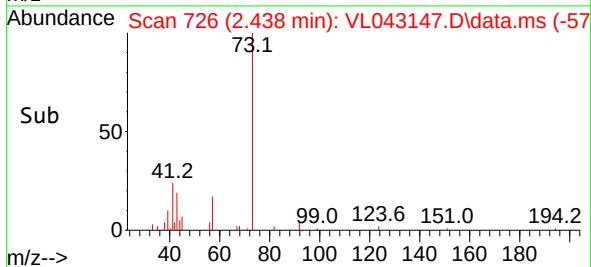
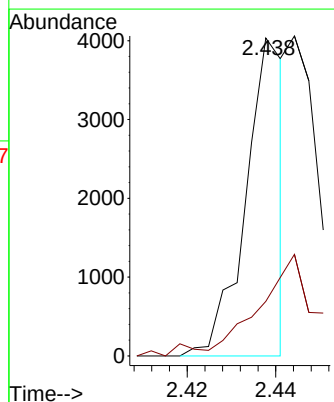
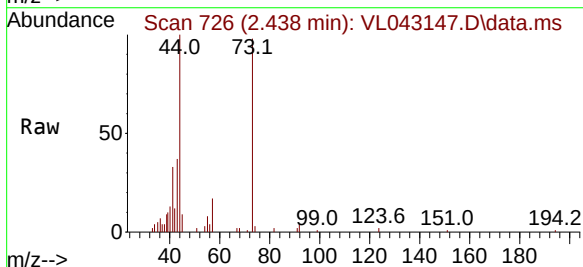
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

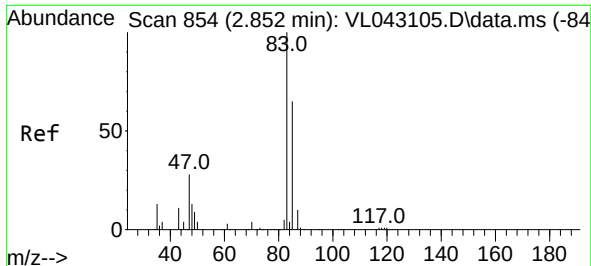
Tgt Ion: 76 Resp: 9853
Ion Ratio Lower Upper
76 100
44 98.2 16.7 25.1#
78 11.9 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 0.287 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 73 Resp: 2427
Ion Ratio Lower Upper
73 100
57 0.0 20.5 30.7#





#29

Chloroform

Concen: 0.610 ppbv

RT: 2.846 min Scan# 8

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

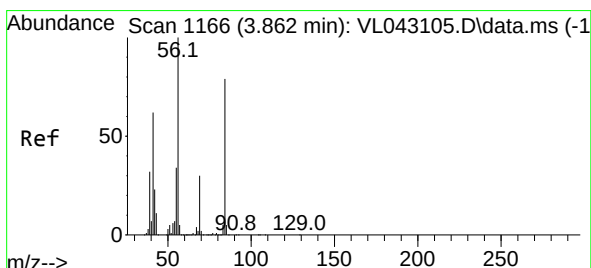
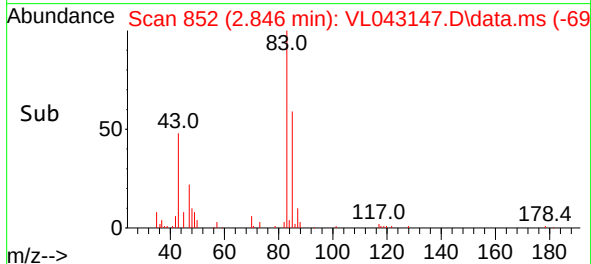
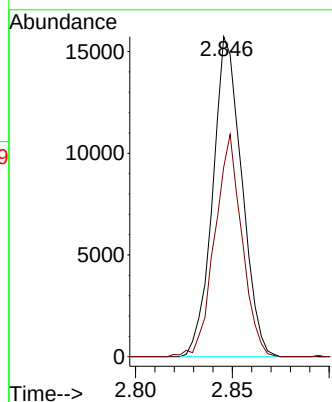
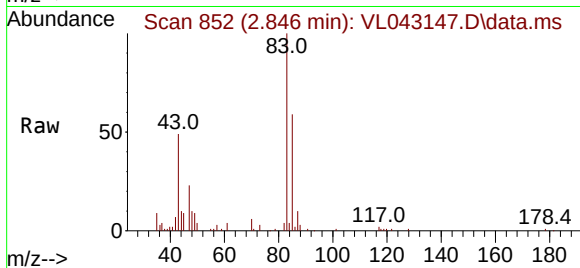
LOQ-AIR-02-QT4-2025

Tgt Ion: 83 Resp: 16419

Ion Ratio Lower Upper

83 100

85 59.3 51.8 77.6



#30

Cyclohexane

Concen: 0.224 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

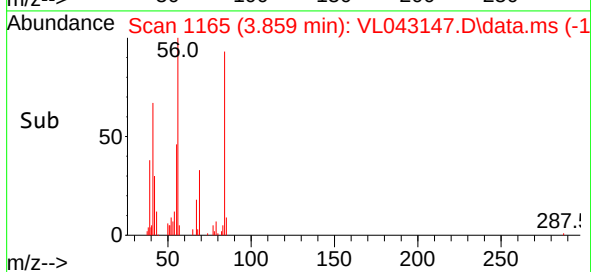
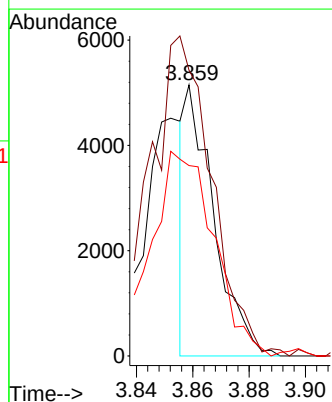
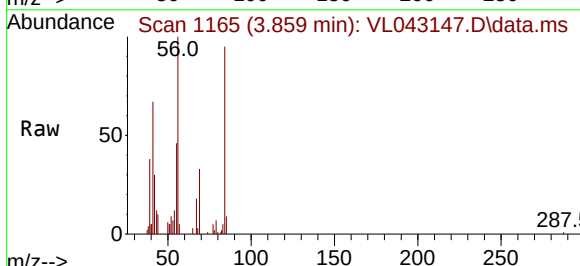
Tgt Ion: 84 Resp: 3634

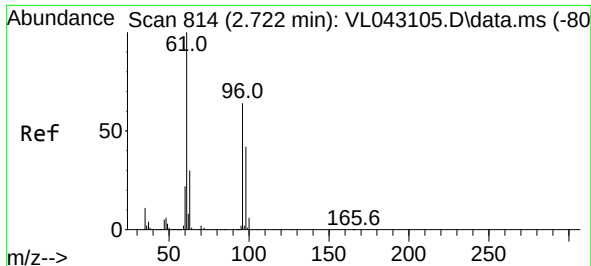
Ion Ratio Lower Upper

84 100

56 266.1 100.9 151.3#

41 0.0 63.8 95.6#

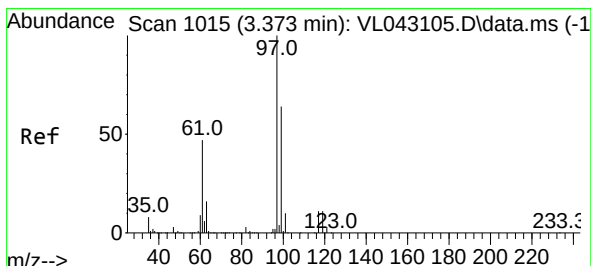
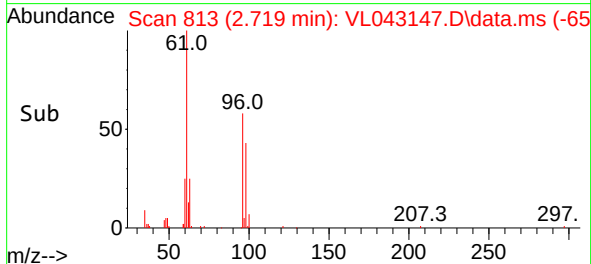
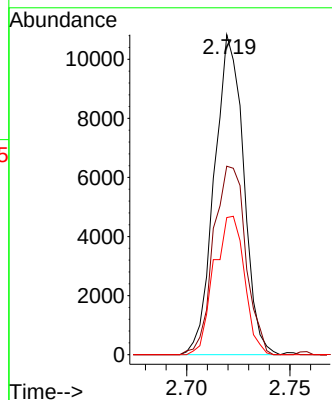
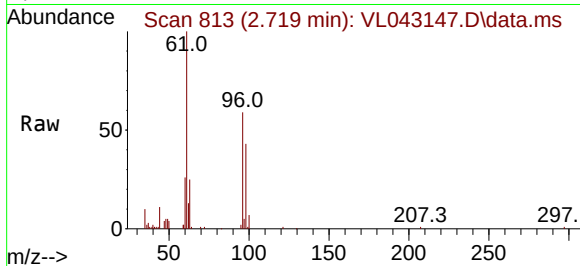




#31
 cis-1,2-Dichloroethene
 Concen: 0.601 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

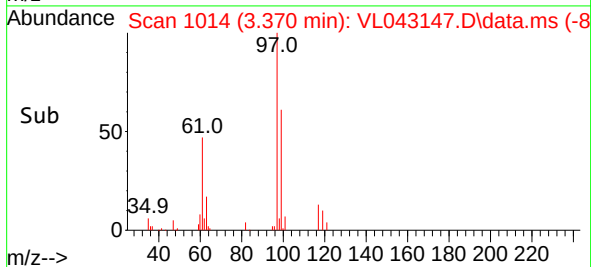
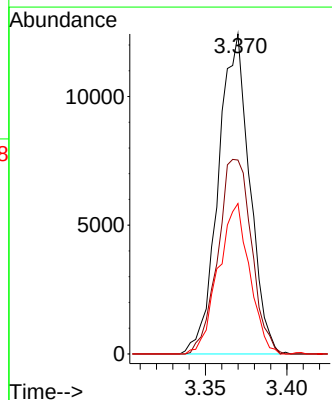
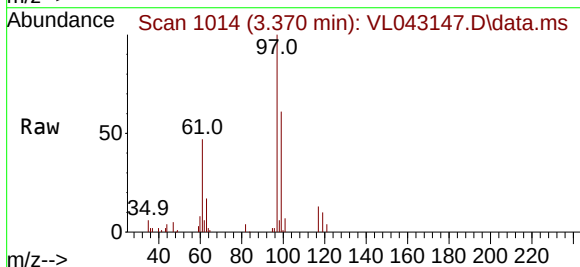
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

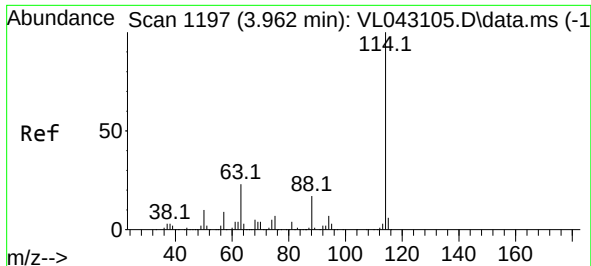
Tgt Ion:	61	Resp:	10649
Ion	Ratio	Lower	Upper
61	100		
96	58.9	51.0	76.6
98	42.9	33.5	50.3



#32
 1,1,1-Trichloroethane
 Concen: 0.592 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion:	97	Resp:	16589
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.3	76.9
61	47.0	38.4	57.6

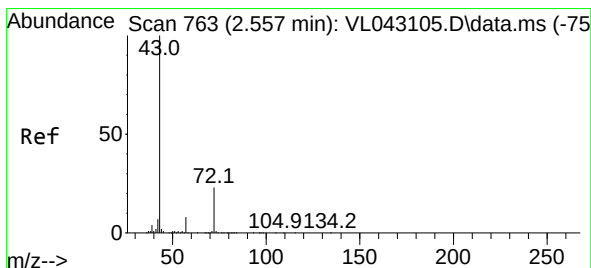
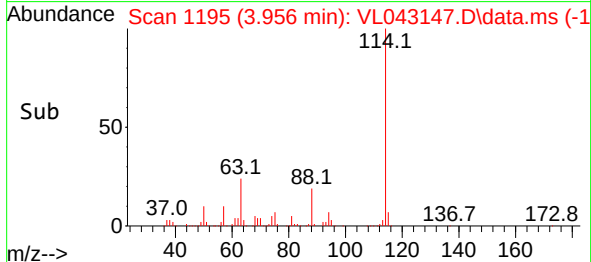
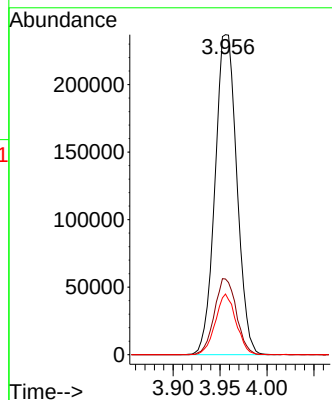
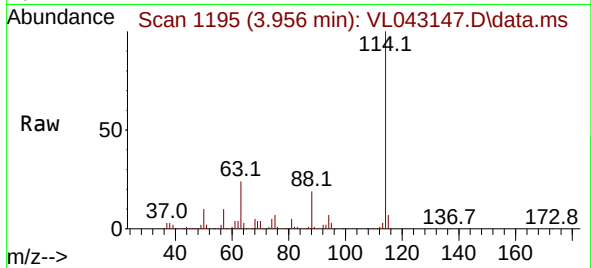




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.956 min Scan# 1195
 Delta R.T. -0.006 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

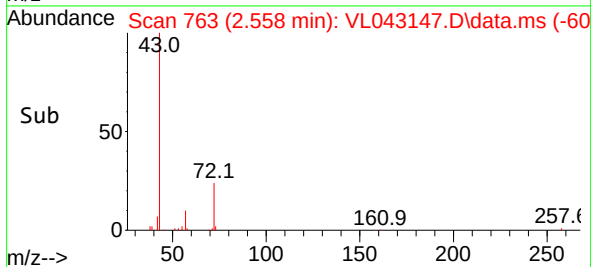
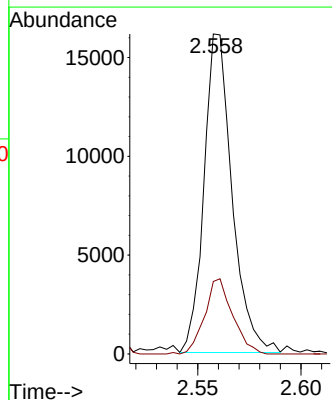
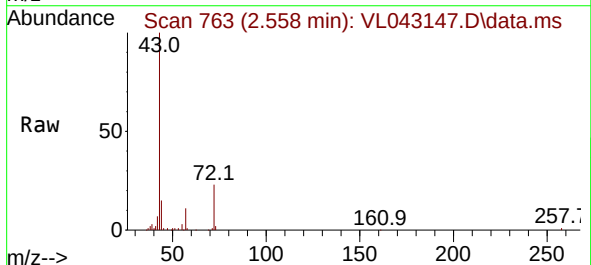
Instrument : MSVOA_L
 ClientSampleId : LOQ-AIR-02-QT4-2025

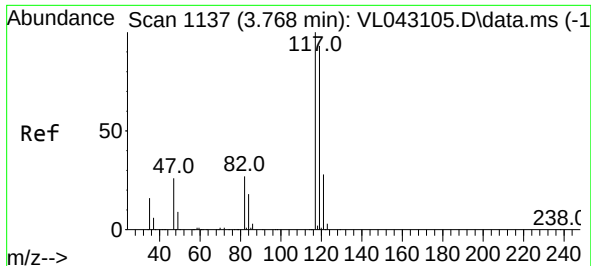
Tgt Ion:	114	Resp:	382307
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	17.9	13.9	20.9



#34
 2-Butanone
 Concen: 0.594 ppbv
 RT: 2.558 min Scan# 763
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion:	43	Resp:	15272
Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6

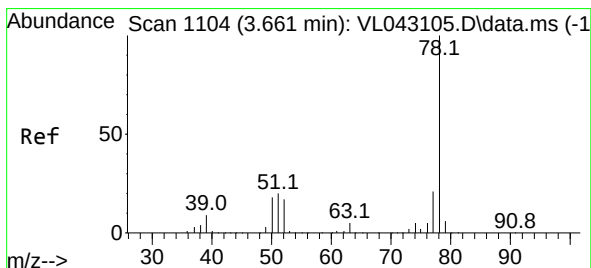
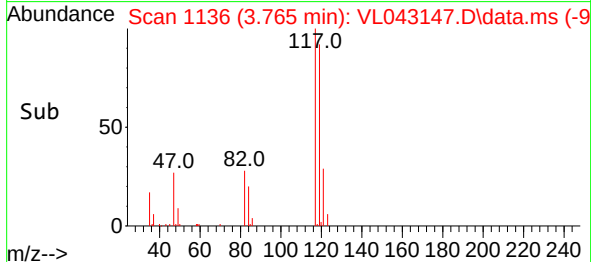
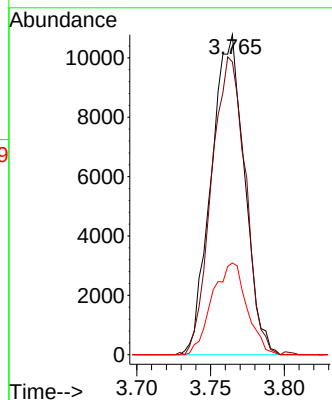
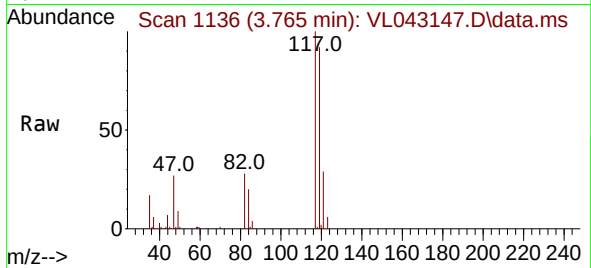




#35
Carbon Tetrachloride
Concen: 0.616 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

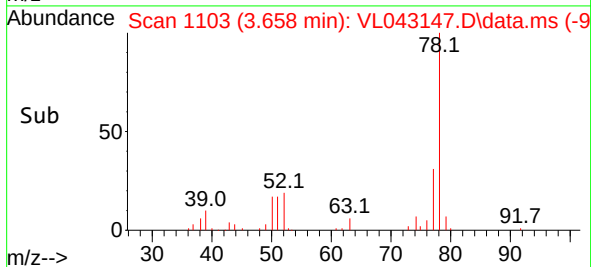
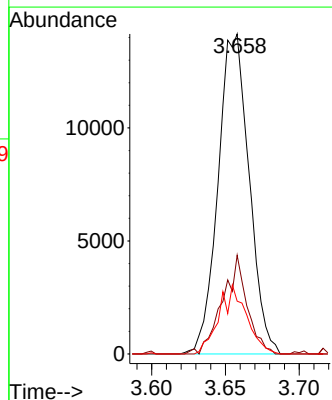
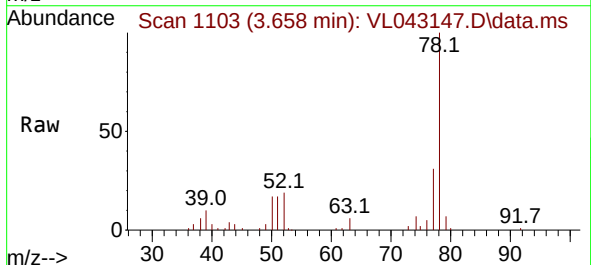
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

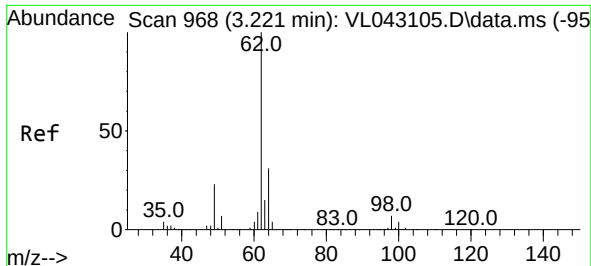
Tgt Ion:117 Resp: 16936
Ion Ratio Lower Upper
117 100
119 91.5 74.1 111.1
121 28.6 22.2 33.2



#36
Benzene
Concen: 0.576 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 78 Resp: 20740
Ion Ratio Lower Upper
78 100
77 30.9 17.0 25.6#
50 16.5 14.6 22.0

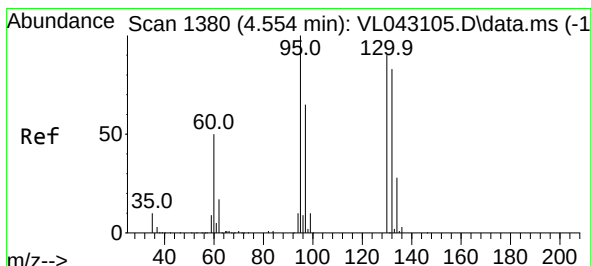
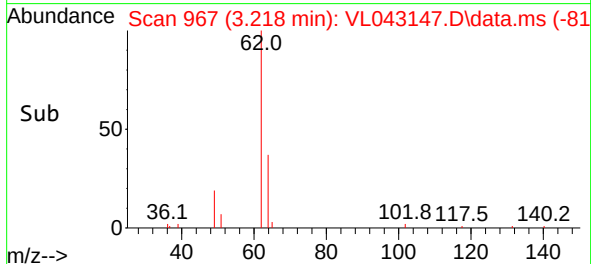
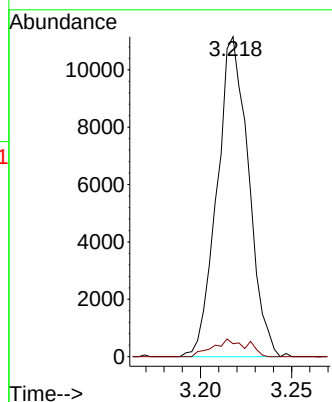
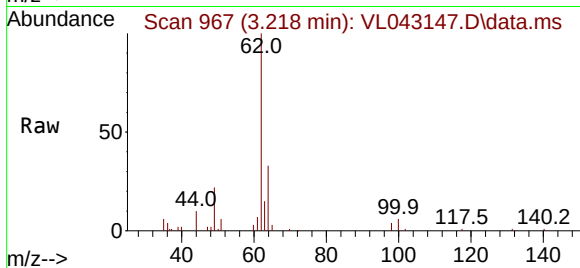




#37
1,2-Dichloroethane
Concen: 0.645 ppbv
RT: 3.218 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

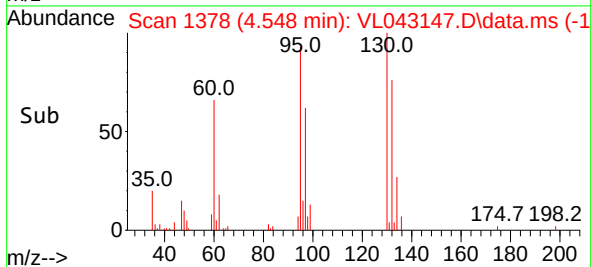
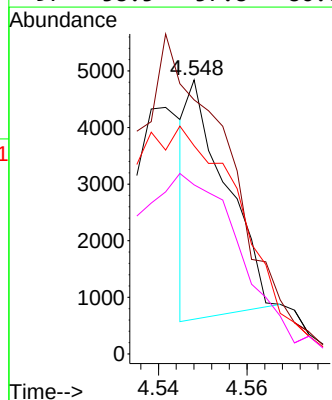
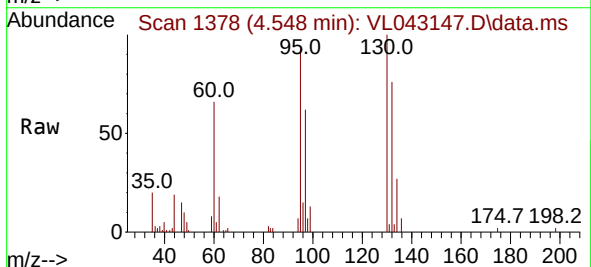
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

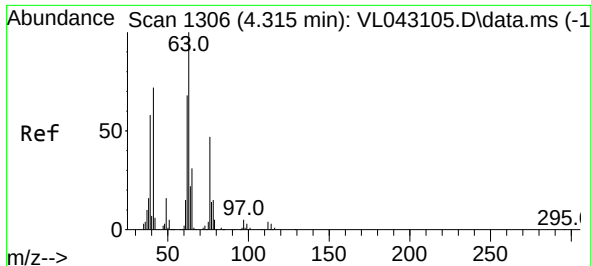
Tgt Ion: 62 Resp: 13380
Ion Ratio Lower Upper
62 100
98 6.0 5.8 8.6



#38
Trichloroethene
Concen: 0.167 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:130 Resp: 2514
Ion Ratio Lower Upper
130 100
95 89.1 88.6 133.0
132 74.6 73.4 110.0
97 58.5 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.291 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025

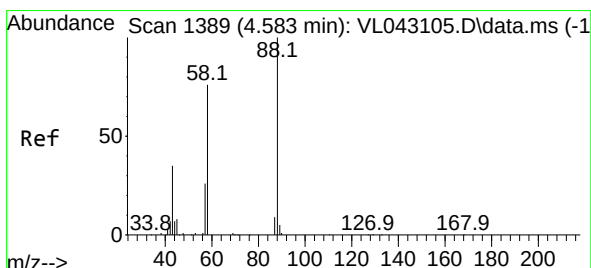
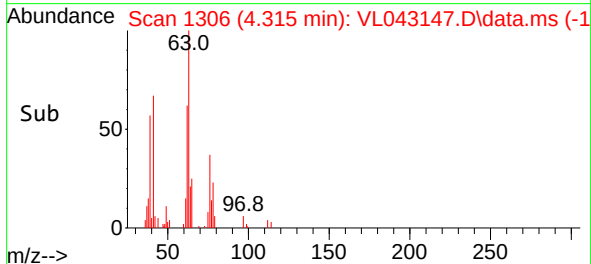
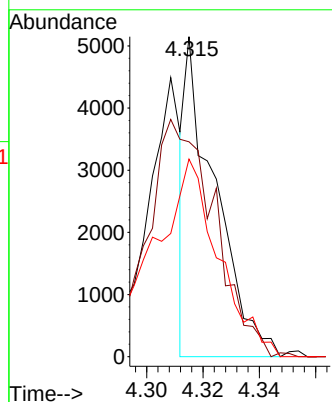
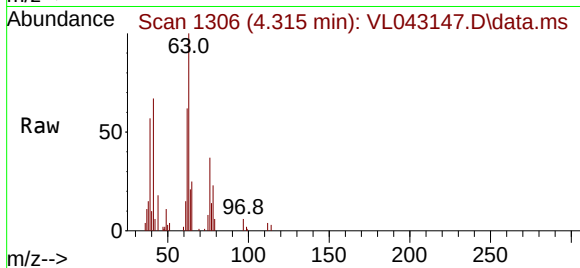
Tgt Ion: 63 Resp: 3825

Ion Ratio Lower Upper

63 100

41 65.9 58.0 87.0

62 61.8 54.7 82.1



#40

1,4-Dioxane

Concen: 0.241 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.010 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 88 Resp: 1417

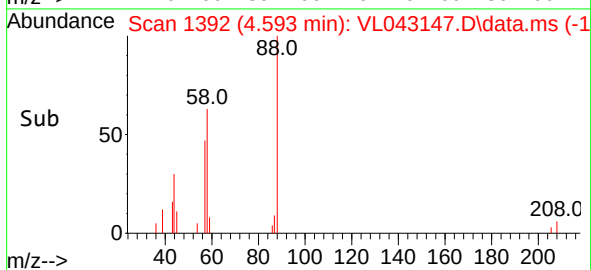
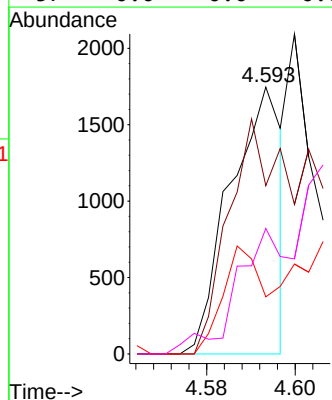
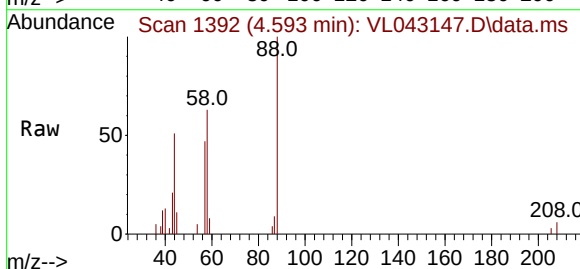
Ion Ratio Lower Upper

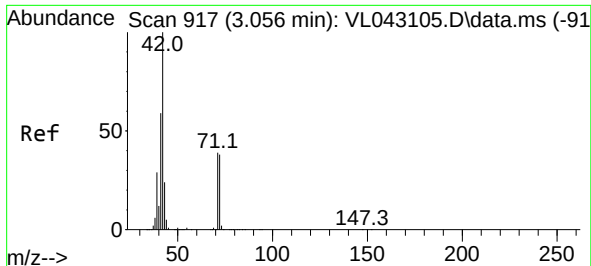
88 100

58 298.3 61.1 91.7#

43 0.0 24.0 36.0#

57 0.0 0.0 0.0

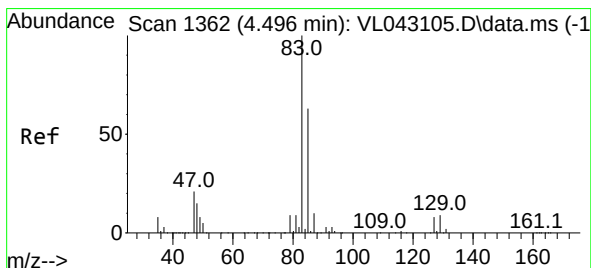
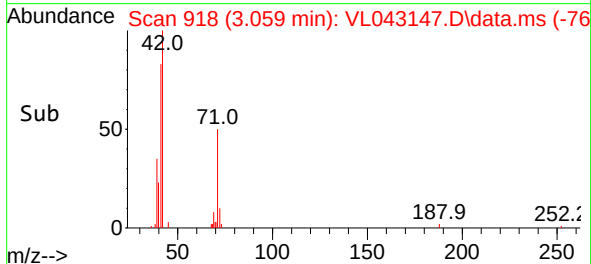
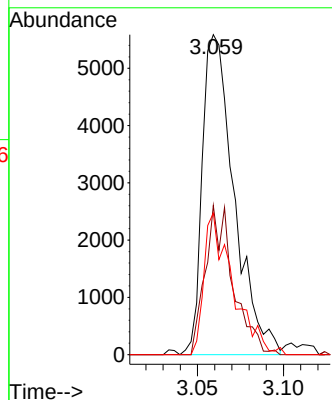
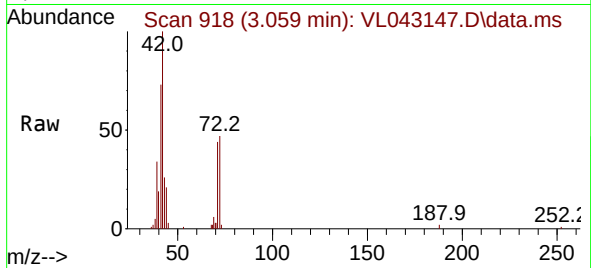




#41
Tetrahydrofuran
Concen: 0.501 ppbv
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

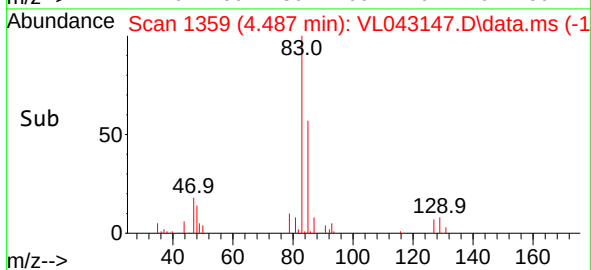
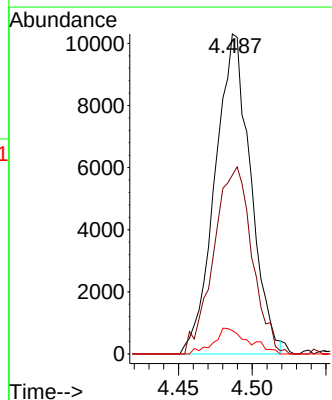
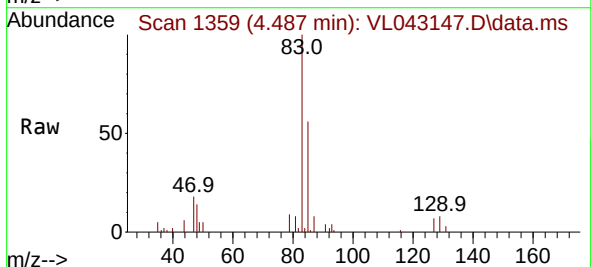
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

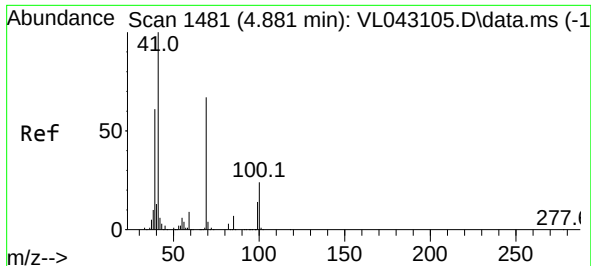
Tgt Ion:	42	Resp:	7202
Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.3	46.9
71	39.9	30.4	45.6



#42
Bromodichloromethane
Concen: 0.600 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:	83	Resp:	17227
Ion	Ratio	Lower	Upper
83	100		
85	55.9	50.6	75.8
127	7.3	6.3	9.5

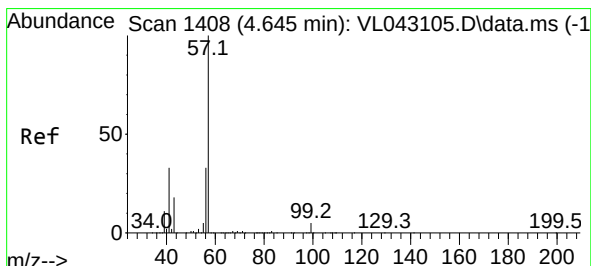
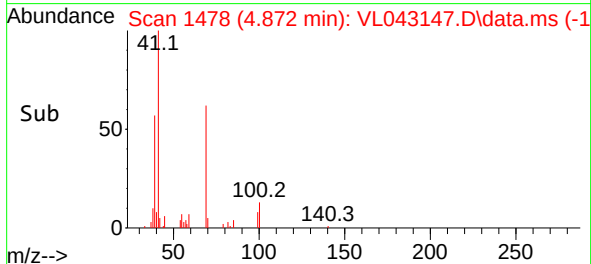
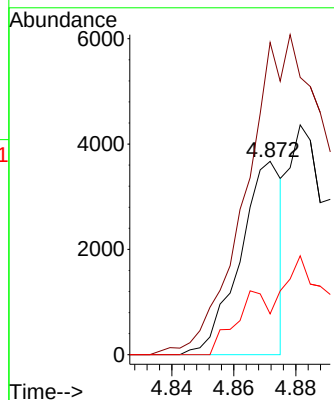
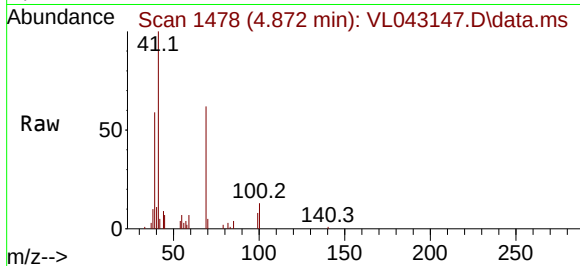




#43
Methyl Methacrylate
Concen: 0.189 ppbv
RT: 4.872 min Scan# 1478
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

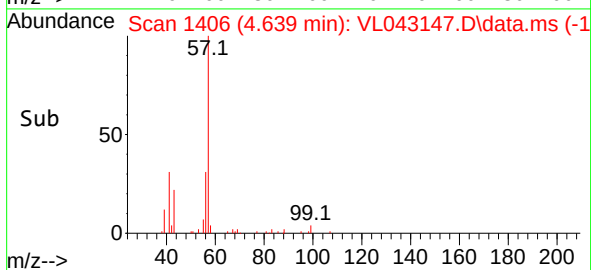
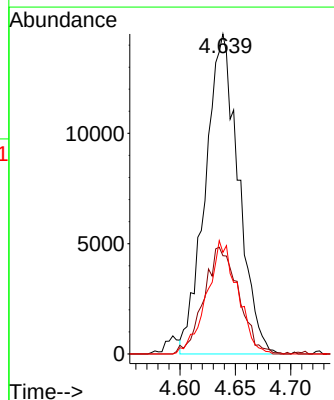
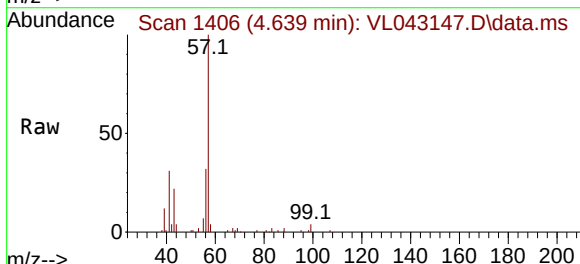
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

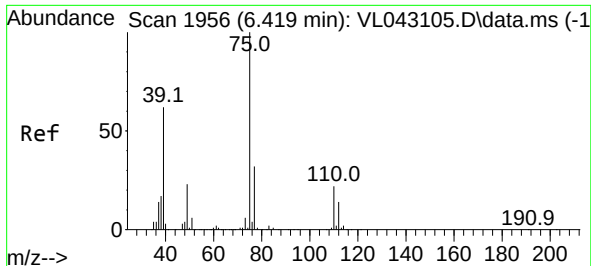
Tgt Ion: 69 Resp: 3453
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7#
100 0.0 29.0 43.4#



#44
2,2,4-Trimethylpentane
Concen: 0.497 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 57 Resp: 30220
Ion Ratio Lower Upper
57 100
41 35.3 26.3 39.5
56 32.9 25.9 38.9

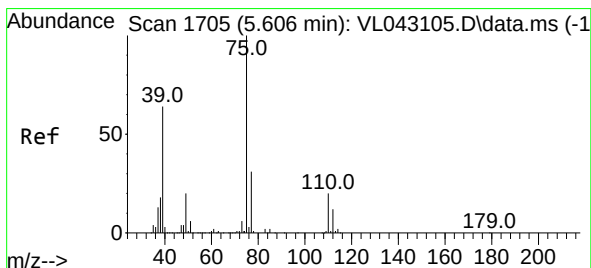
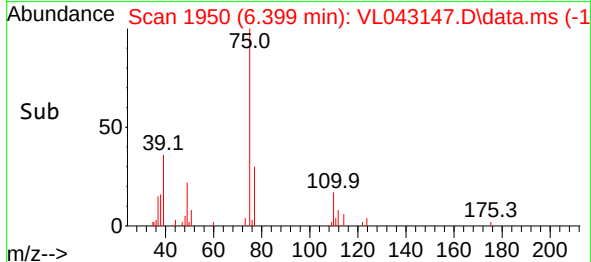
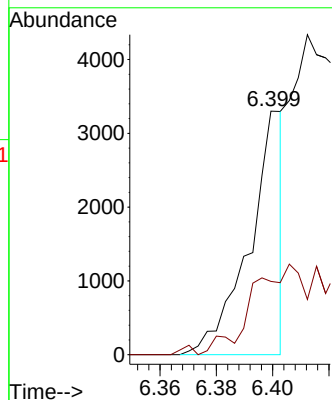
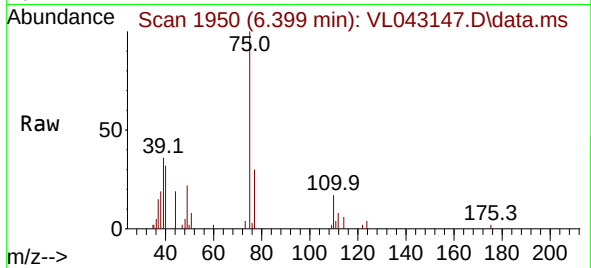




#45
 t-1,3-Dichloropropene
 Concen: 0.150 ppbv
 RT: 6.399 min Scan# 1956
 Delta R.T. -0.019 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

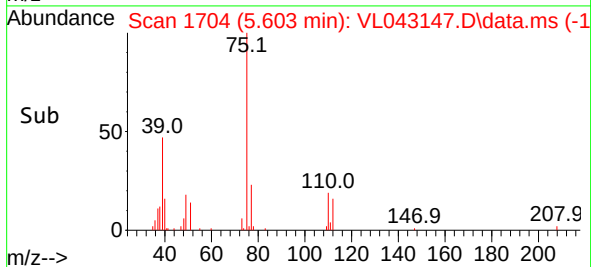
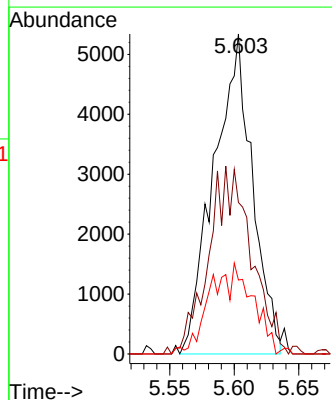
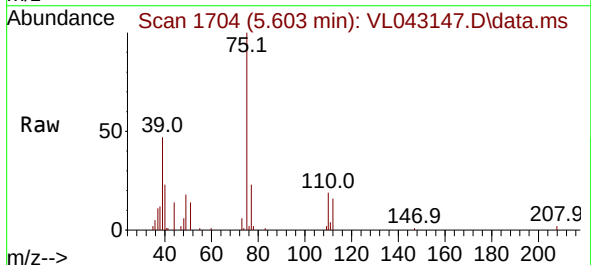
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

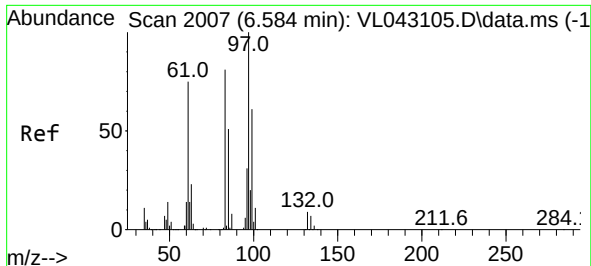
Tgt Ion: 75 Resp: 2752
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.505 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion: 75 Resp: 11069
 Ion Ratio Lower Upper
 75 100
 39 45.5 51.0 76.6#
 77 22.1 25.0 37.4#

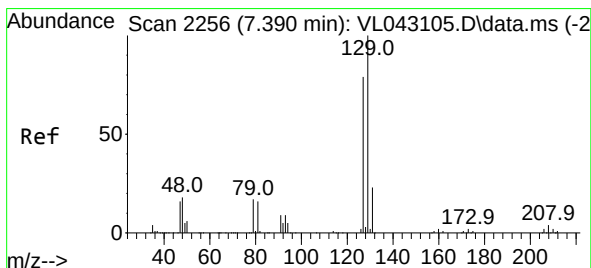
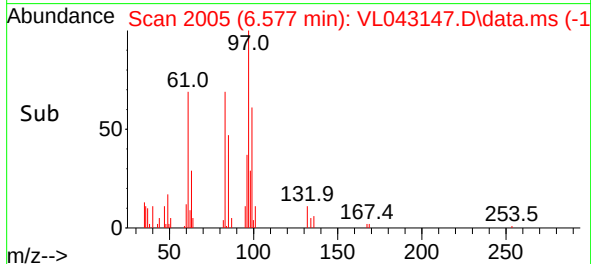
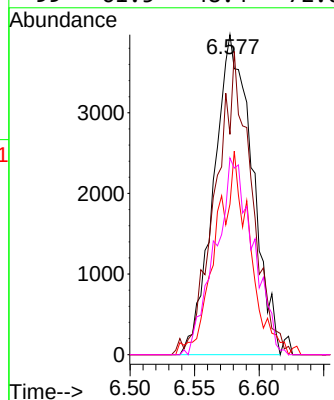
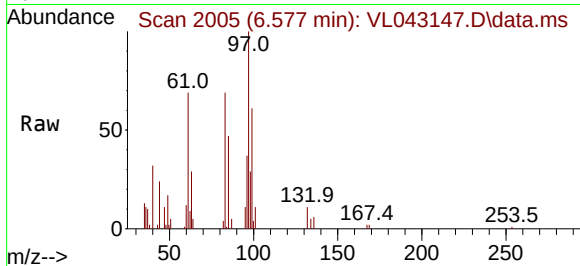




#47
1,1,2-Trichloroethane
Concen: 0.576 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

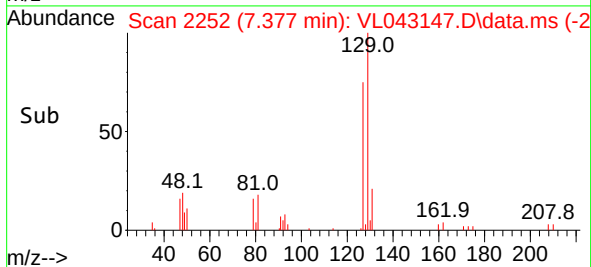
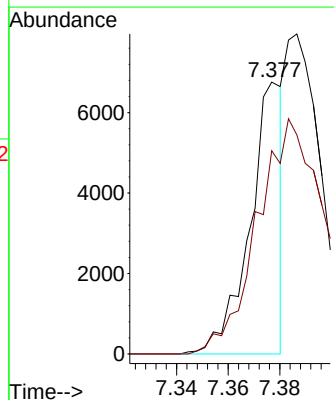
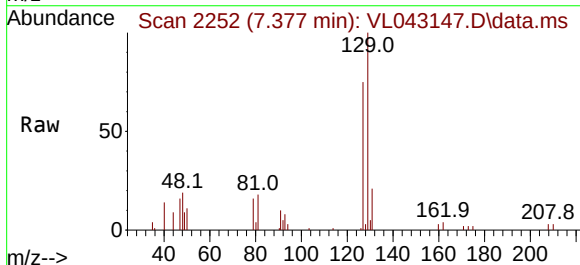
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

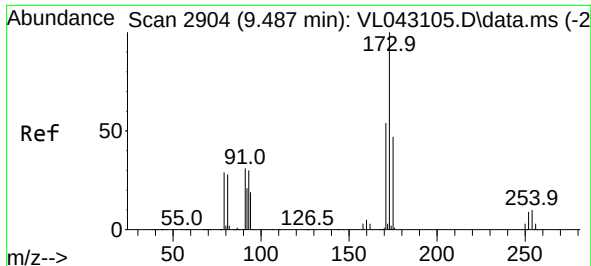
Tgt Ion: 97	Resp:	8190
Ion	Ratio	Lower Upper
97	100	
83	63.8	64.6 96.8#
85	43.3	40.6 60.8
99	61.5	48.4 72.6



#48
Dibromochloromethane
Concen: 0.249 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.013 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 129	Resp:	5913
Ion	Ratio	Lower Upper
129	100	
127	0.0	39.3 117.9#





#49

Bromoform

Concen: 0.591 ppbv

RT: 9.477 min Scan# 2904

Delta R.T. -0.010 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025

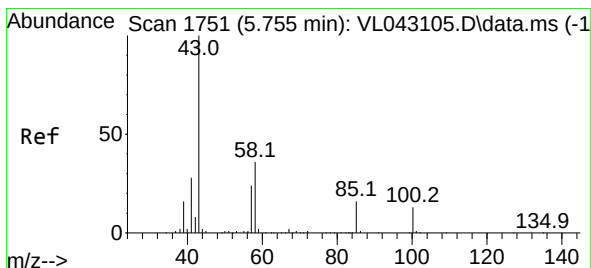
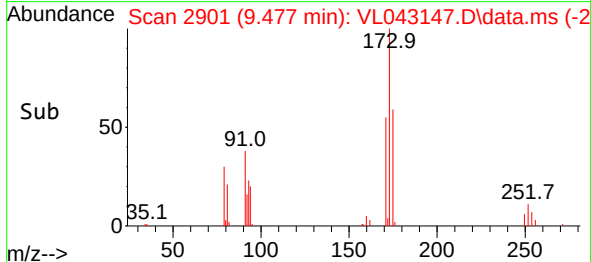
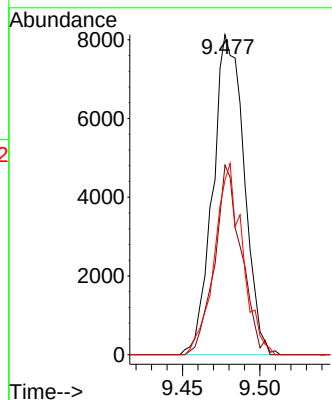
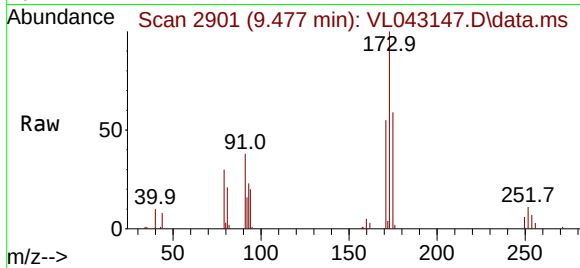
Tgt Ion:173 Resp: 11414

Ion Ratio Lower Upper

173 100

175 50.6 38.8 58.2

171 53.6 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.234 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. -0.003 min

Lab File: VL043147.D

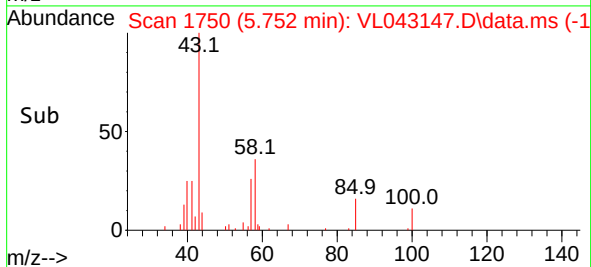
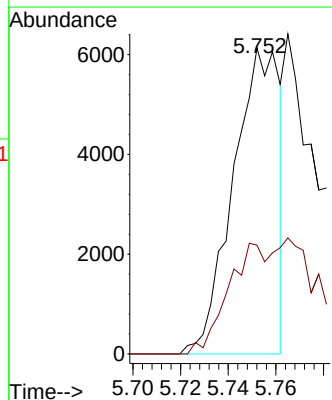
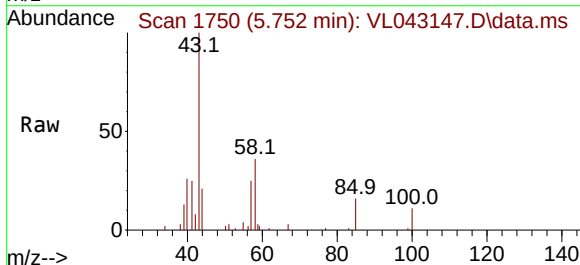
Acq: 04 Nov 2025 10:19

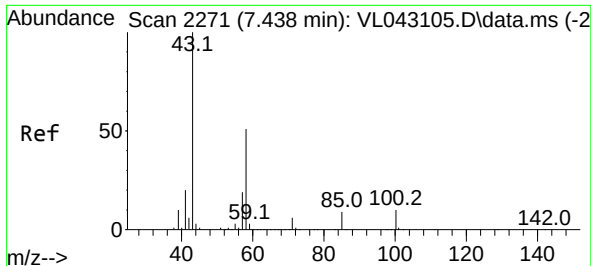
Tgt Ion: 43 Resp: 8286

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#

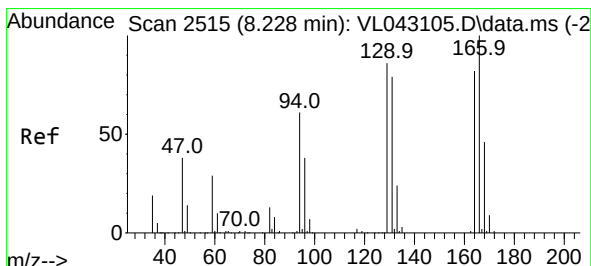
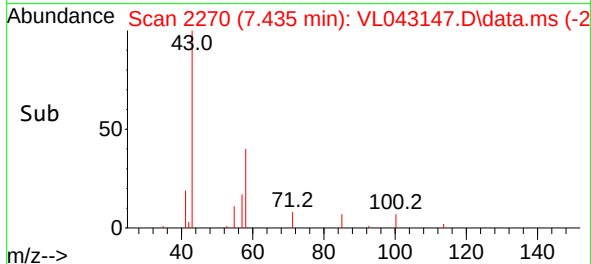
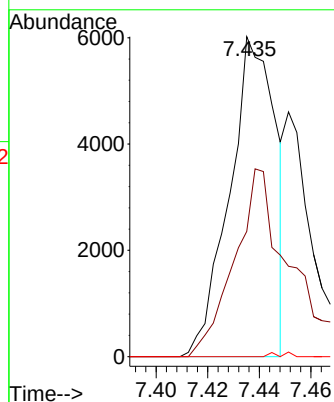
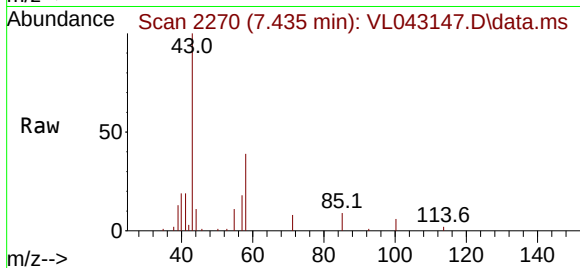




#51
2-Hexanone
Concen: 0.279 ppbv
RT: 7.435 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

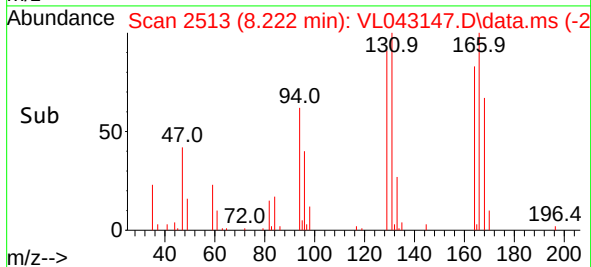
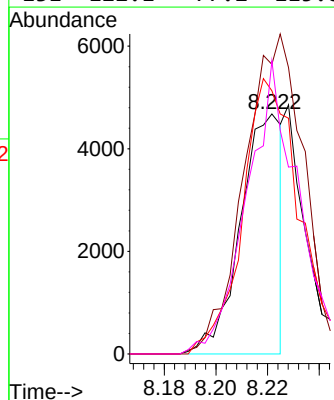
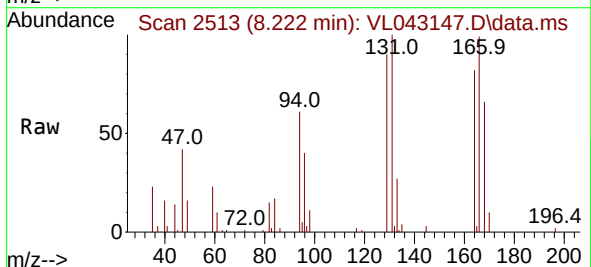
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

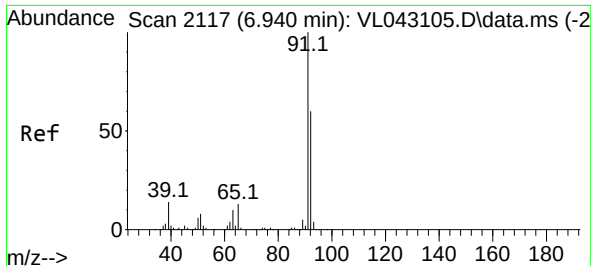
Tgt Ion: 43 Resp: 7424
Ion Ratio Lower Upper
43 100
58 72.4 40.4 60.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.399 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 164 Resp: 5175
Ion Ratio Lower Upper
164 100
166 120.6 97.6 146.4
129 109.6 84.5 126.7
131 122.1 77.2 115.8#

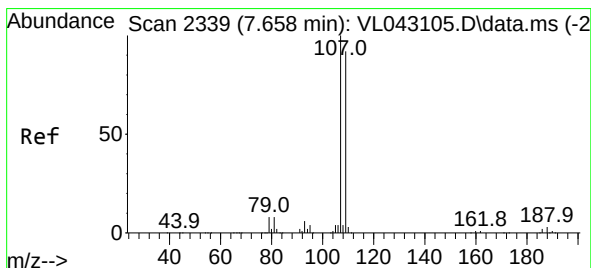
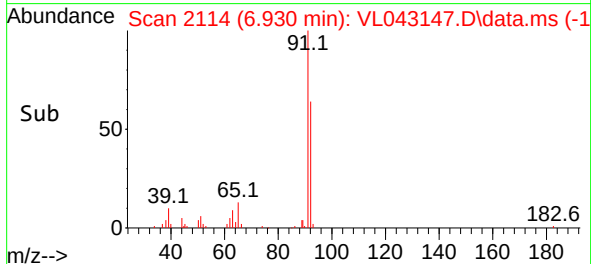
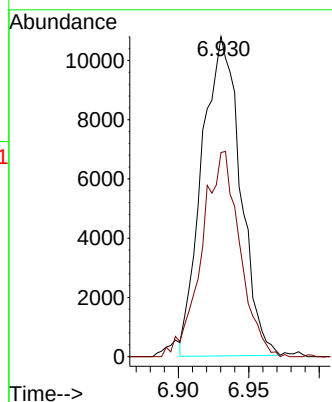
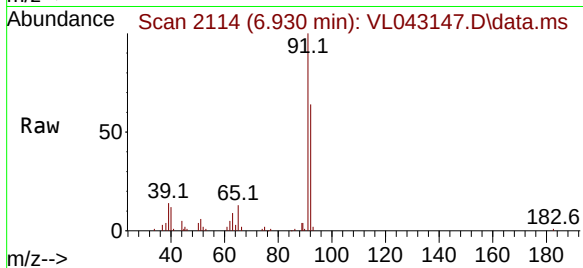




#53
Toluene
Concen: 0.480 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

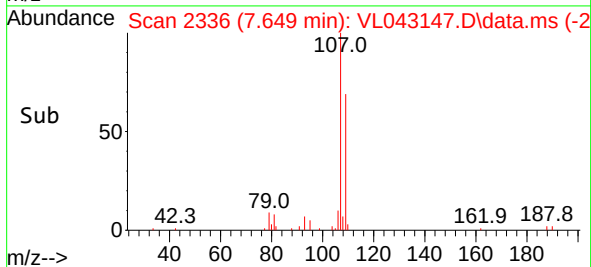
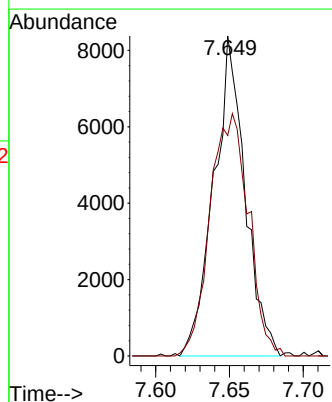
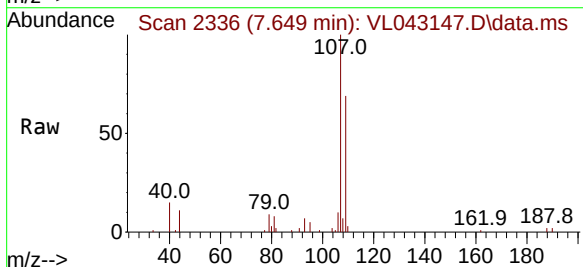
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

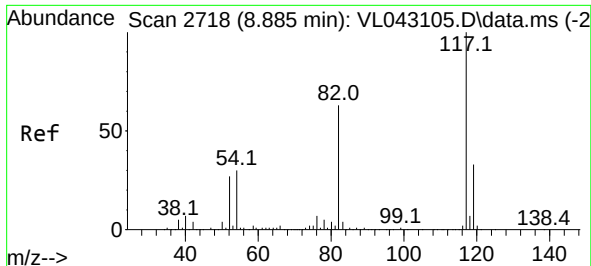
Tgt Ion: 91 Resp: 20519
Ion Ratio Lower Upper
91 100
92 63.2 48.8 73.2



#54
1,2-Dibromoethane
Concen: 0.554 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 107 Resp: 12338
Ion Ratio Lower Upper
107 100
109 68.0 73.4 110.2#

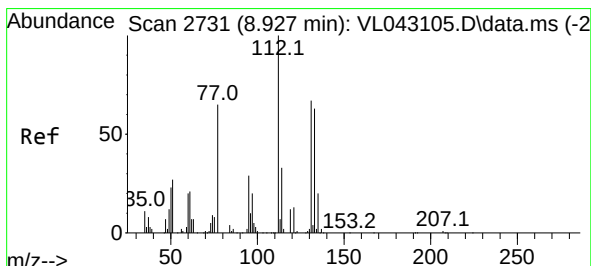
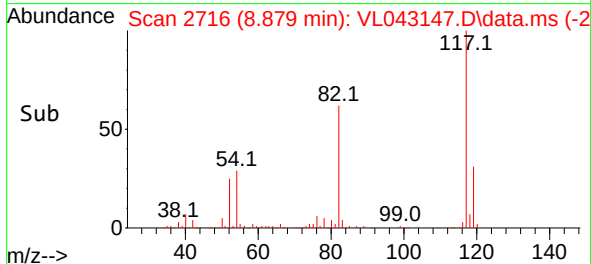
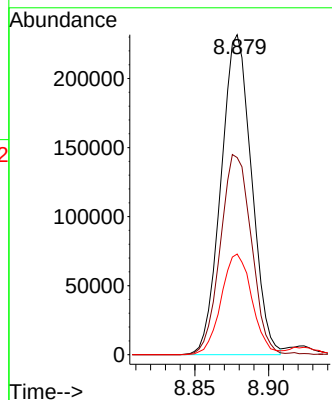
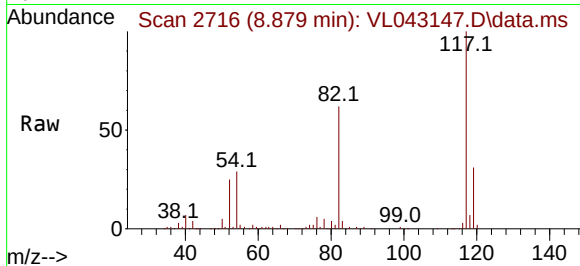




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

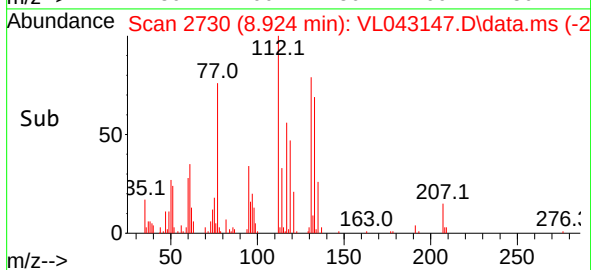
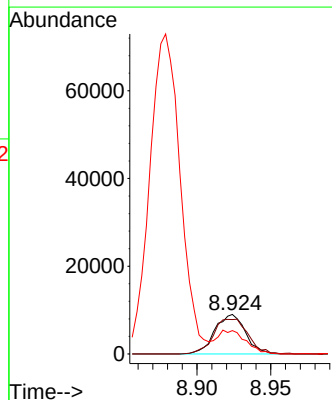
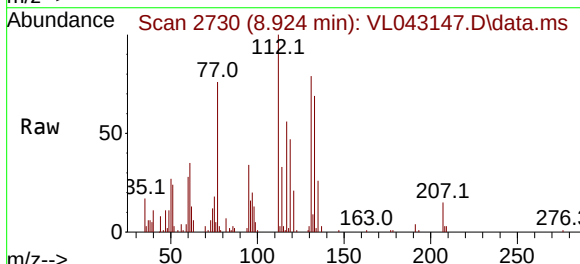
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT4-2025

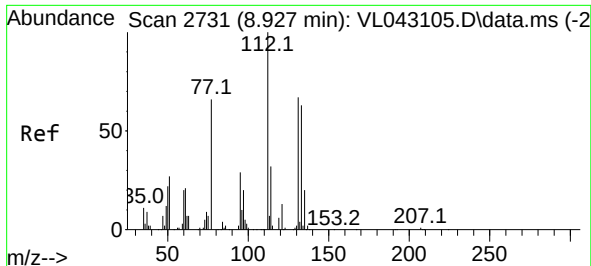
Tgt Ion:117 Resp: 333519
Ion Ratio Lower Upper
117 100
82 63.9 53.8 80.8
119 34.1 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.620 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:131 Resp: 13031
Ion Ratio Lower Upper
131 100
133 99.7 75.7 113.5
119 870.7 50.6 76.0#

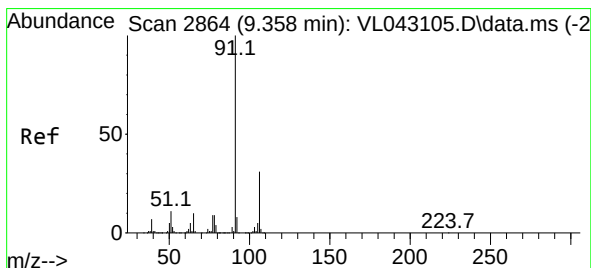
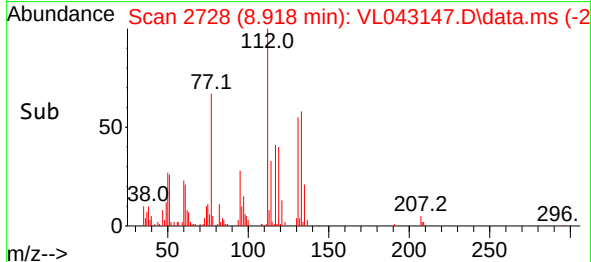
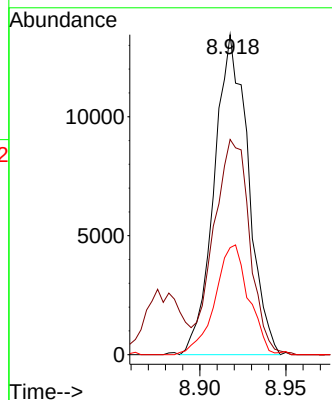
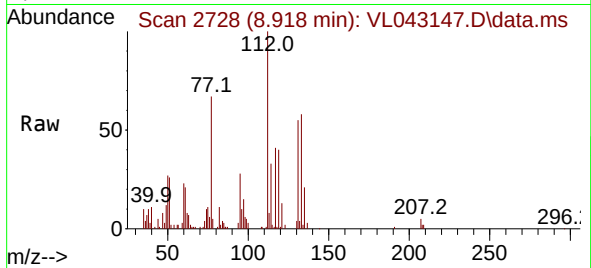




#57
Chlorobenzene
Concen: 0.592 ppbv
RT: 8.918 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

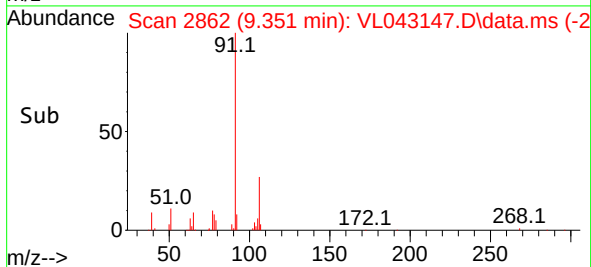
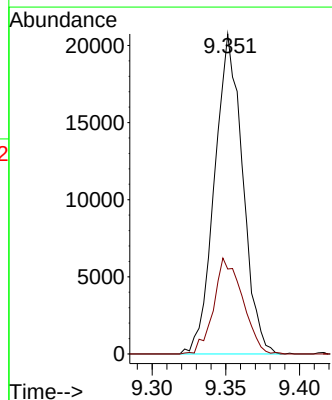
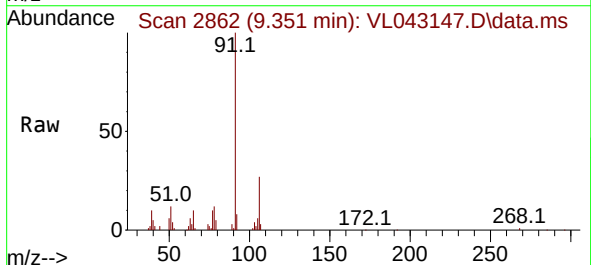
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

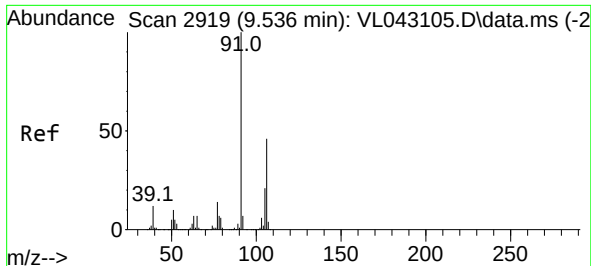
Tgt Ion:112 Resp: 18460
Ion Ratio Lower Upper
112 100
77 65.7 53.3 79.9
114 35.2 29.3 35.8



#58
Ethyl Benzene
Concen: 0.479 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 27443
Ion Ratio Lower Upper
91 100
106 26.6 24.8 37.2





#59

m/p-Xylene

Concen: 0.514 ppbv

RT: 9.529 min Scan# 2919

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

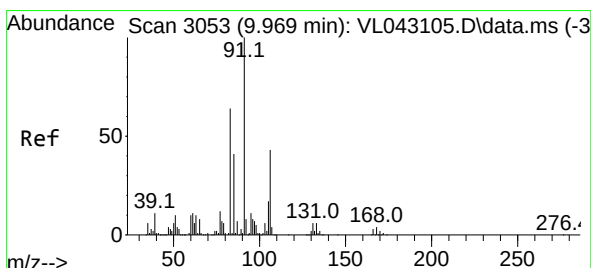
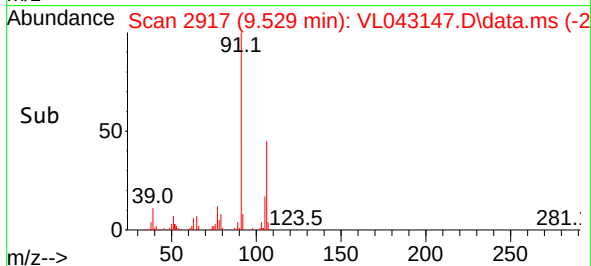
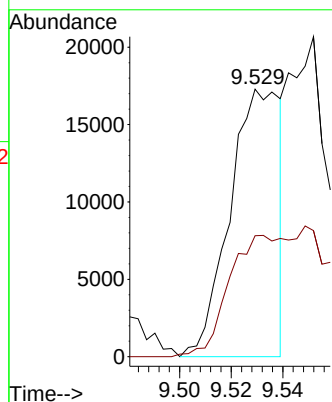
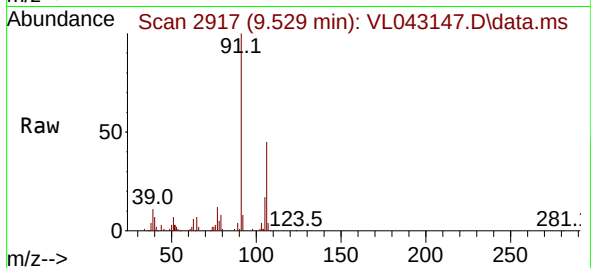
LOQ-AIR-02-QT4-2025

Tgt Ion: 91 Resp: 23471

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 0.496 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. -0.010 min

Lab File: VL043147.D

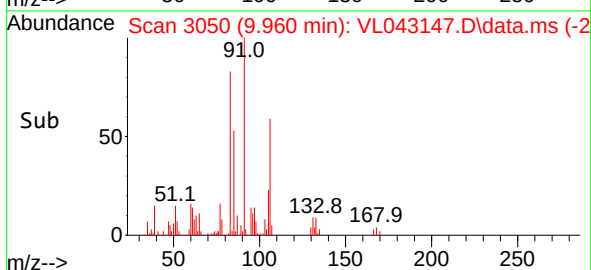
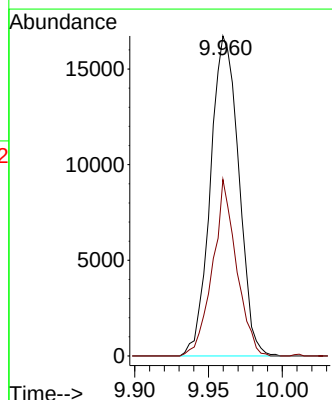
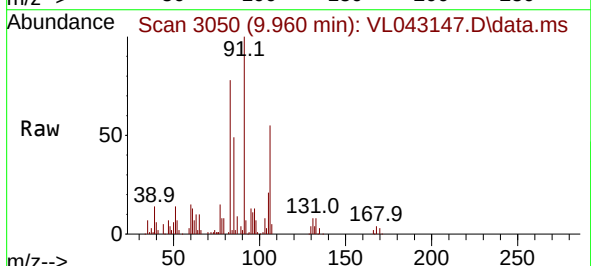
Acq: 04 Nov 2025 10:19

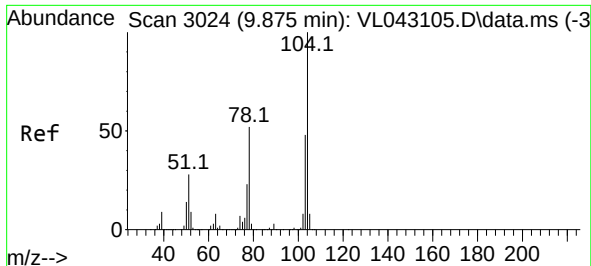
Tgt Ion: 91 Resp: 22365

Ion Ratio Lower Upper

91 100

106 46.4 21.9 65.8

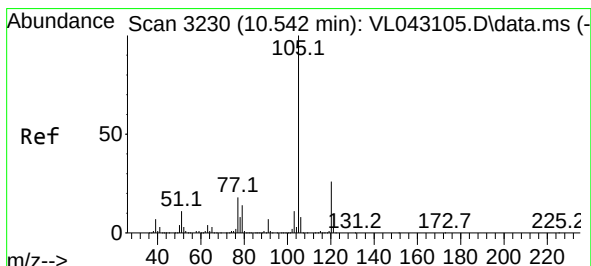
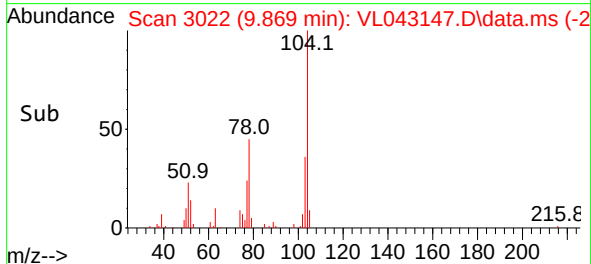
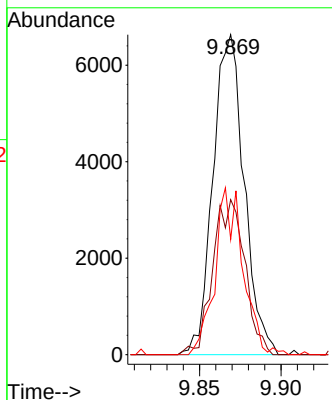
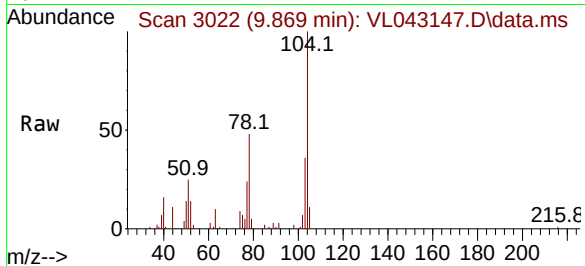




#61
Styrene
Concen: 0.432 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

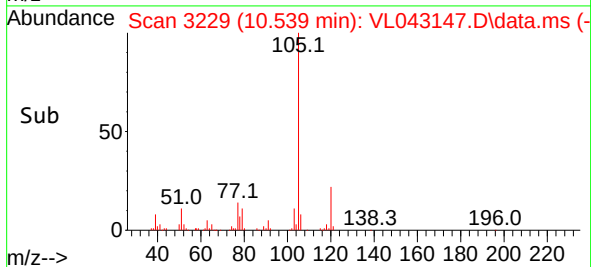
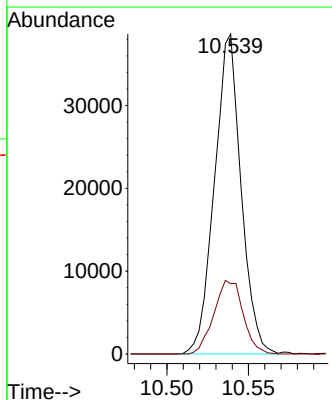
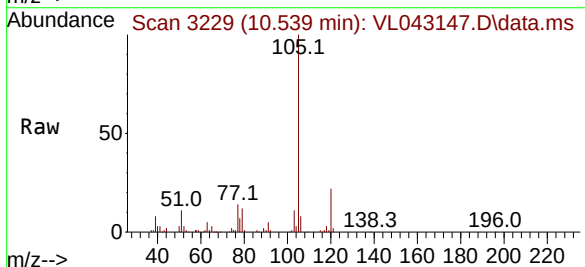
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT4-2025

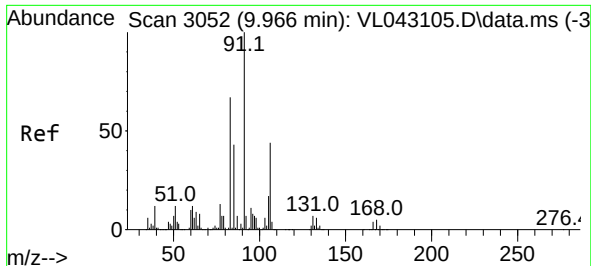
Tgt Ion:104 Resp: 8795
Ion Ratio Lower Upper
104 100
78 50.0 40.2 60.2
103 47.0 36.9 55.3



#62
Isopropylbenzene
Concen: 0.537 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:105 Resp: 43714
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.4

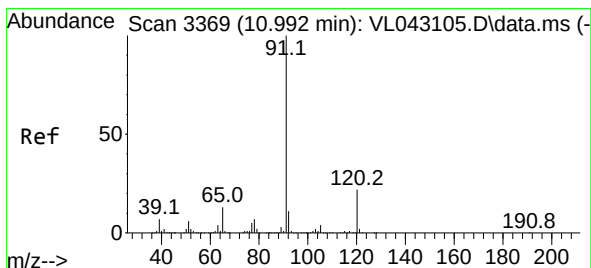
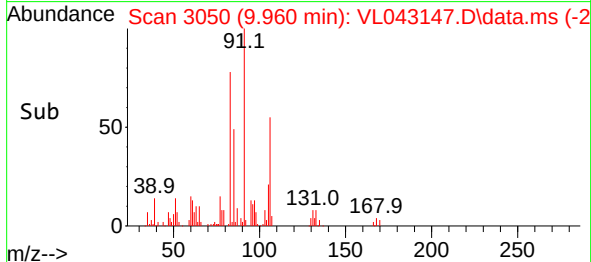
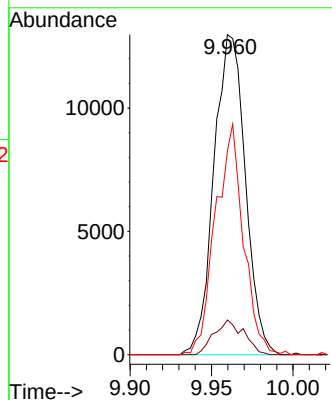
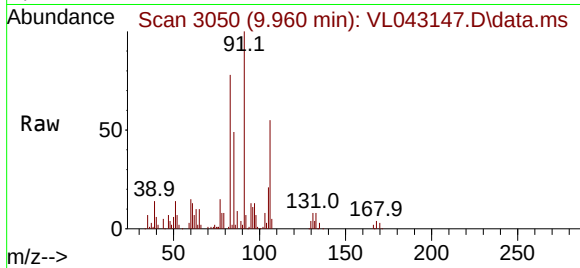




#63
1,1,2,2-Tetrachloroethane
Concen: 0.576 ppbv
RT: 9.960 min Scan# 3052
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

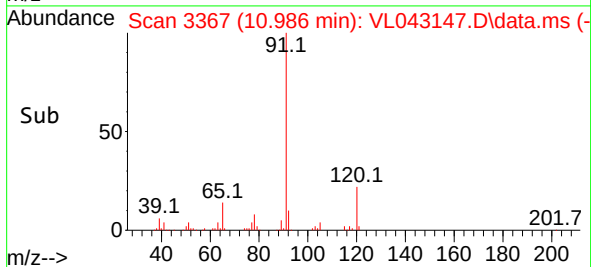
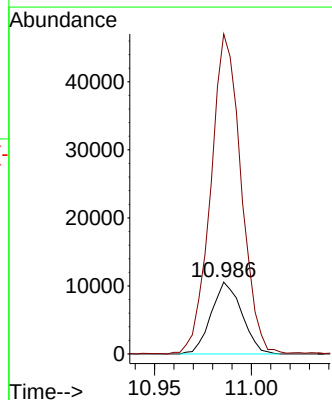
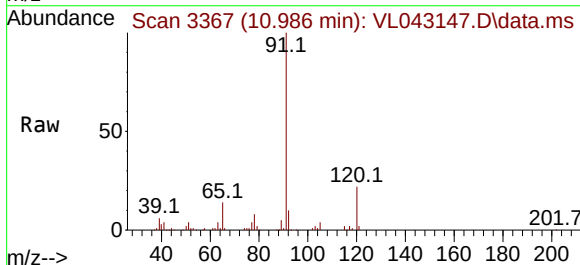
Instrument : MSVOA_1
ClientSampleId : LOQ-AIR-02-QT4-2025

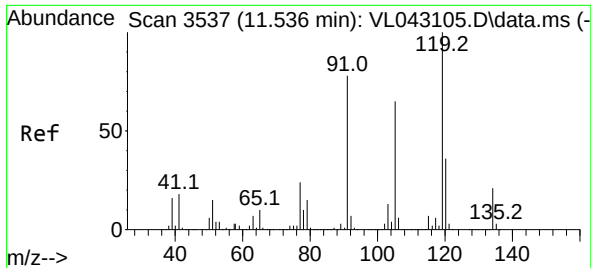
Tgt Ion: 83 Resp: 17397
Ion Ratio Lower Upper
83 100
131 10.2 4.8 14.3
85 64.2 32.0 96.0



#64
n-propylbenzene
Concen: 0.539 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 120 Resp: 11622
Ion Ratio Lower Upper
120 100
91 444.0 361.6 542.4

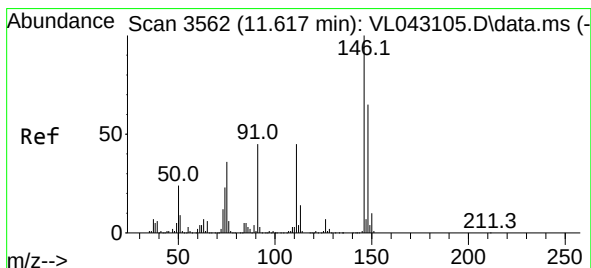
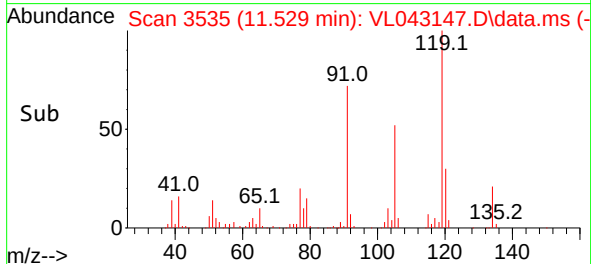
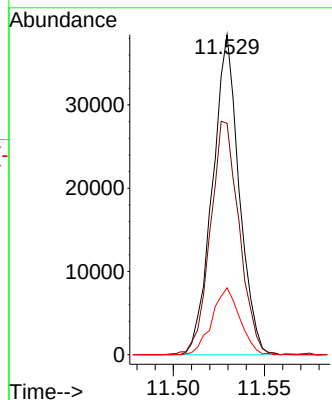
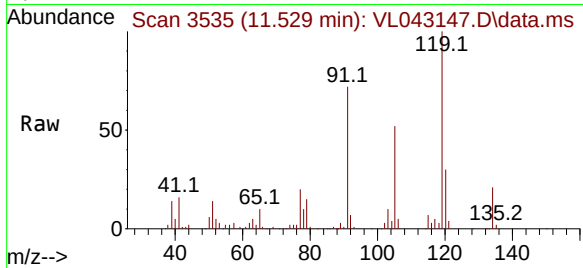




#65
tert-Butylbenzene
Concen: 0.543 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

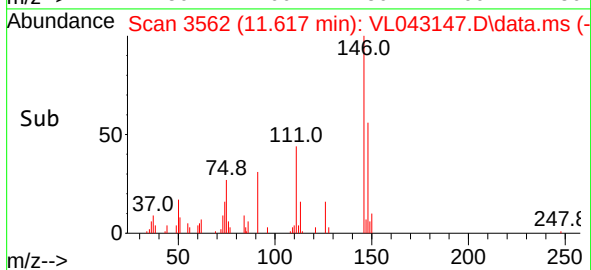
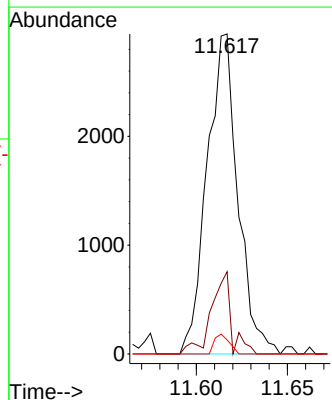
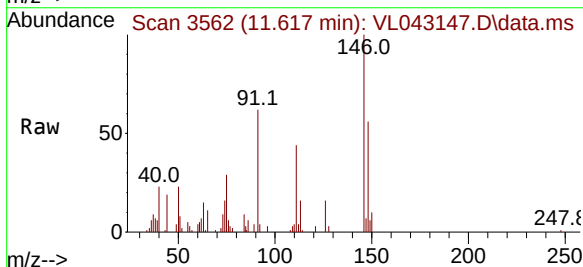
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

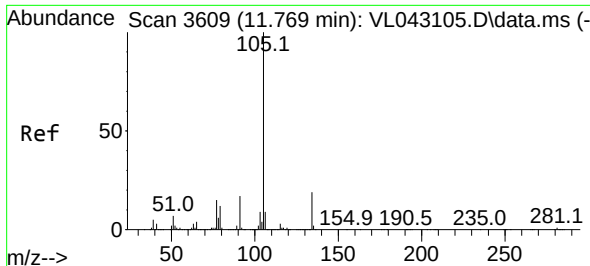
Tgt Ion:119 Resp: 39041
Ion Ratio Lower Upper
119 100
91 78.9 63.4 95.0
134 21.7 17.3 25.9



#66
Benzyl Chloride
Concen: 0.432 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 3461
Ion Ratio Lower Upper
91 100
126 16.6 14.6 22.0
128 2.9 4.6 6.8#

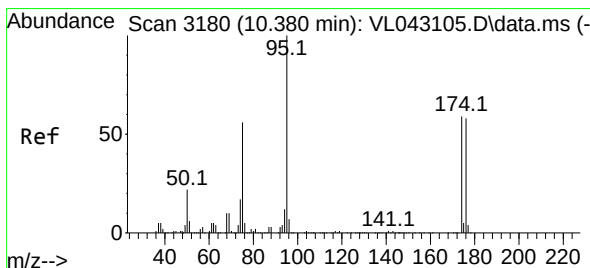
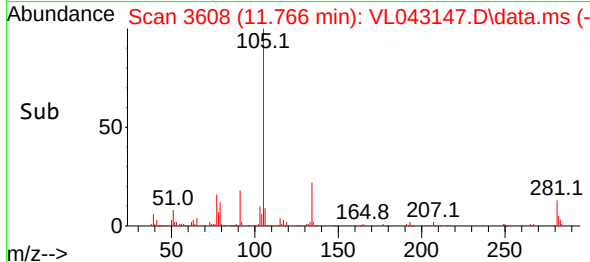
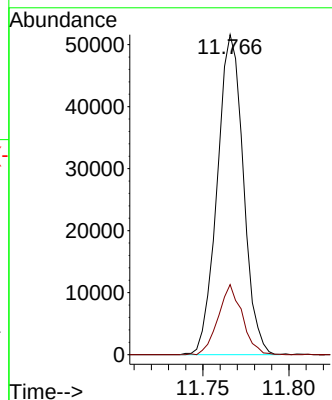
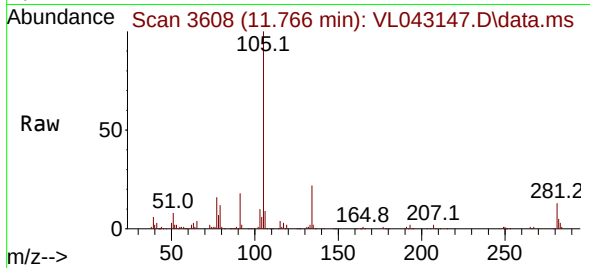




#67
 sec-Butylbenzene
 Concen: 0.534 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

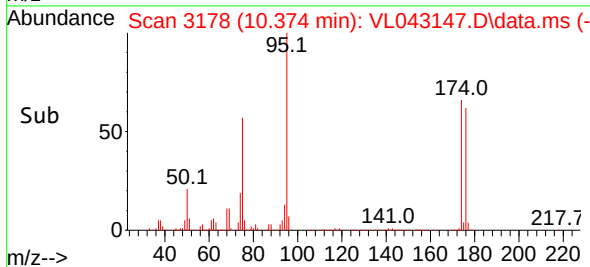
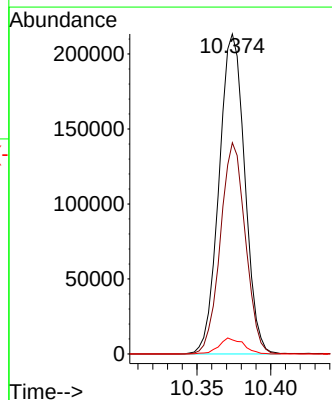
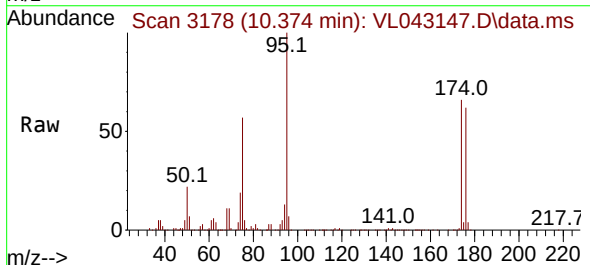
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

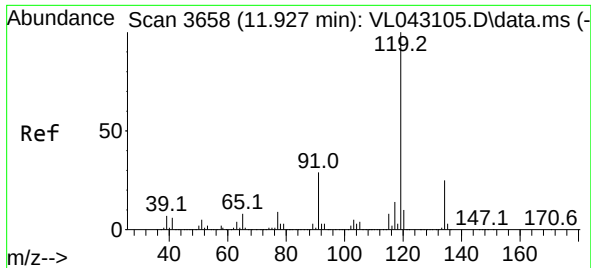
Tgt Ion:105 Resp: 54508
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.956 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.006 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion: 95 Resp: 258090
 Ion Ratio Lower Upper
 95 100
 174 64.5 48.3 72.5
 175 4.8 3.8 5.8

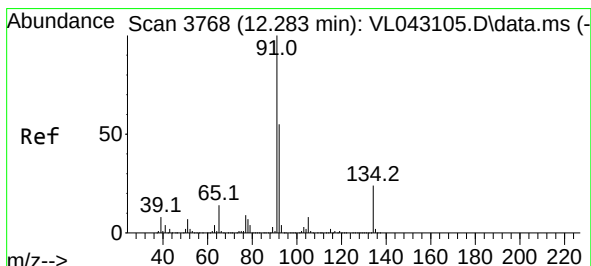
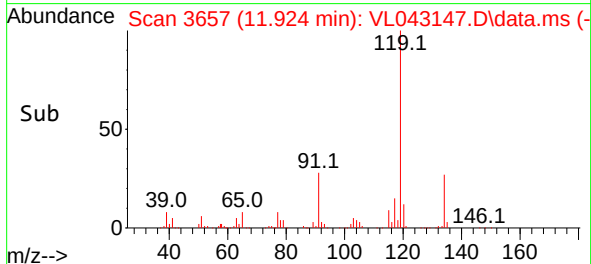
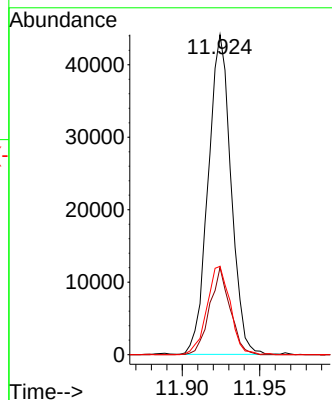
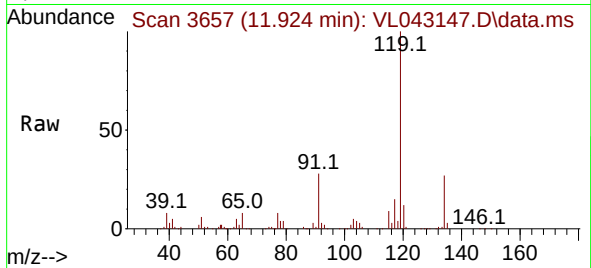




#69
p-Isopropyltoluene
Concen: 0.521 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

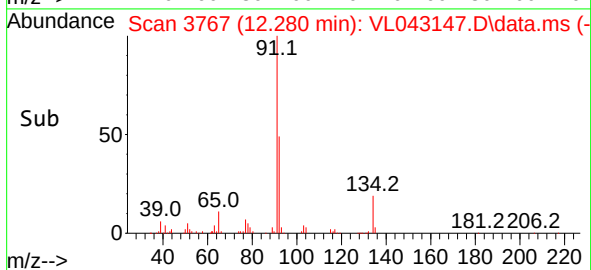
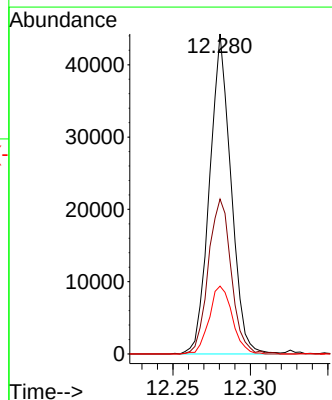
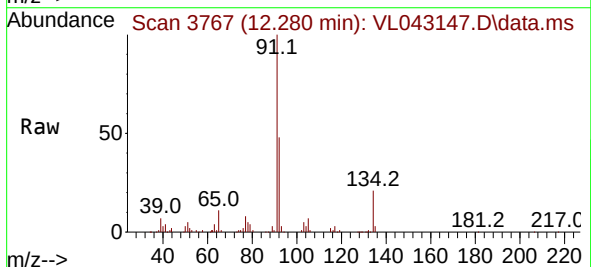
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT4-2025

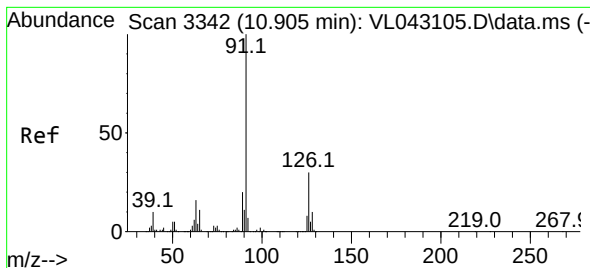
Tgt Ion:119	Resp:	45168
Ion Ratio	Lower	Upper
119	100	
134	24.5	20.3 30.5
91	28.3	22.6 33.8



#70
n-Butylbenzene
Concen: 0.498 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91	Resp:	42575
Ion Ratio	Lower	Upper
91	100	
92	51.8	44.5 66.7
134	22.8	19.3 28.9





#71

2-Chlorotoluene

Concen: 0.515 ppbv

RT: 10.902 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

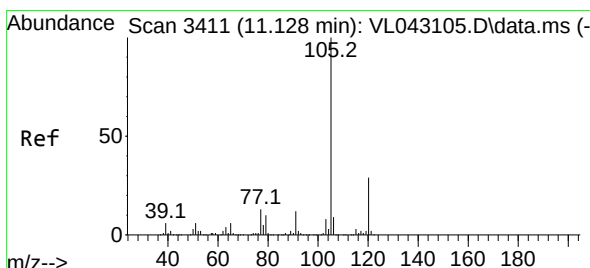
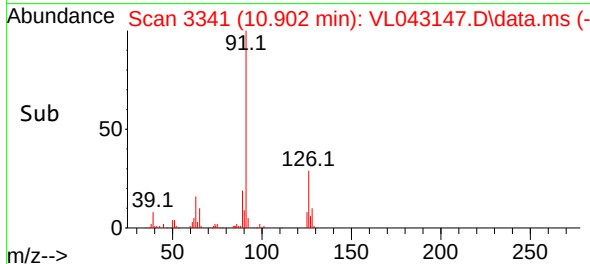
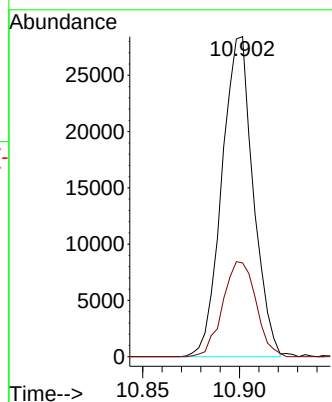
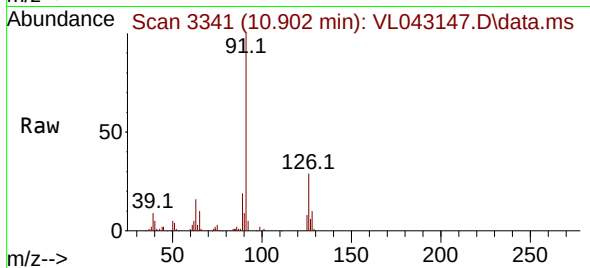
LOQ-AIR-02-QT4-2025

Tgt Ion: 91 Resp: 32021

Ion Ratio Lower Upper

91 100

126 31.5 12.0 48.0



#72

4-Ethyltoluene

Concen: 0.481 ppbv

RT: 11.122 min Scan# 3409

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Tgt Ion:105 Resp: 26689

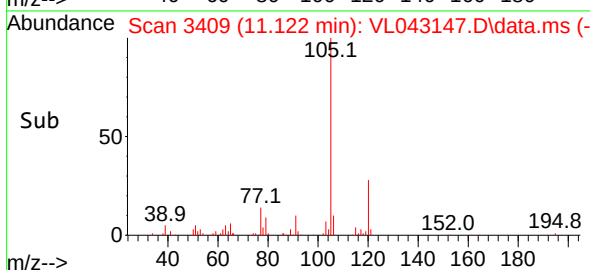
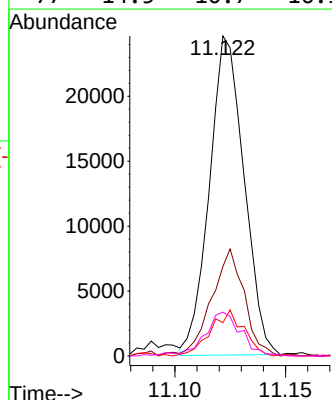
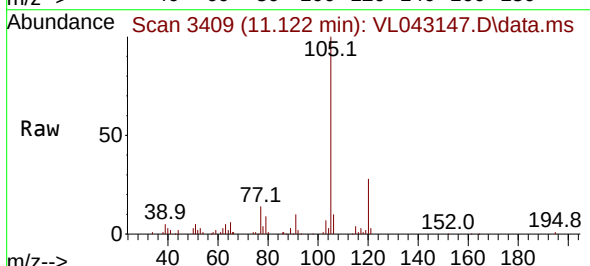
Ion Ratio Lower Upper

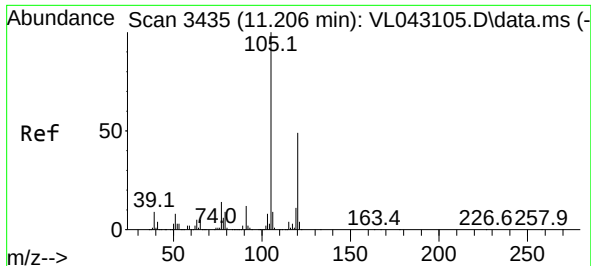
105 100

120 32.7 24.2 36.4

91 14.7 10.0 15.0

77 14.5 10.7 16.1

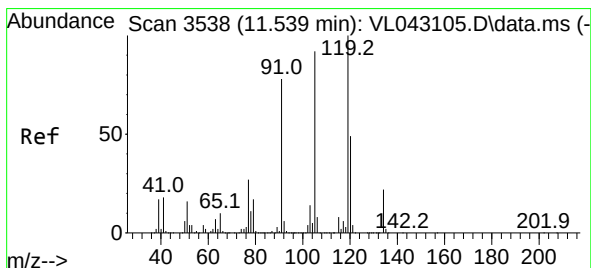
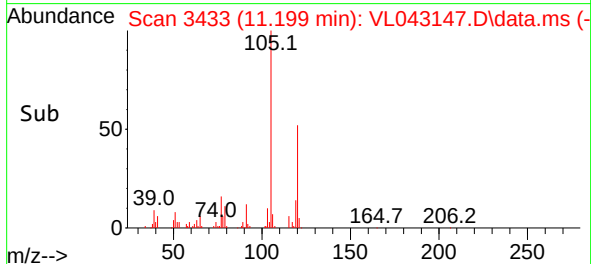
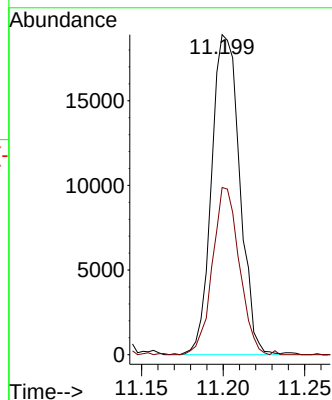
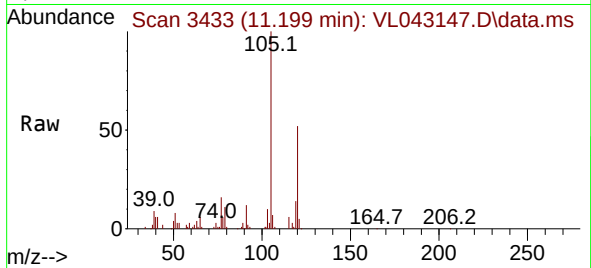




#73
1,3,5-Trimethylbenzene
Concen: 0.497 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

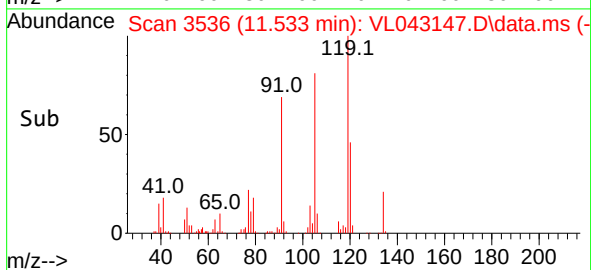
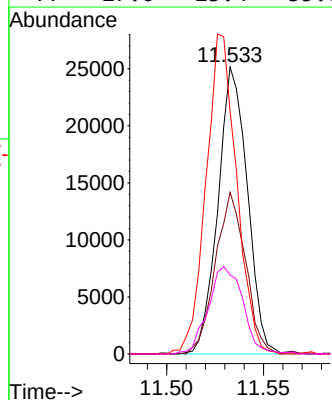
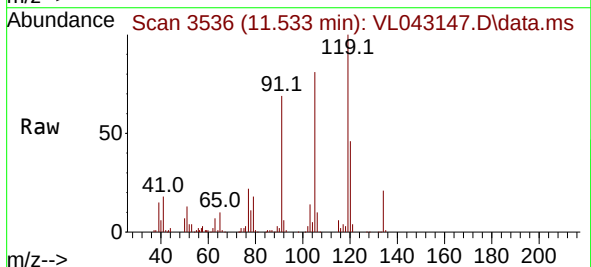
Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT4-2025

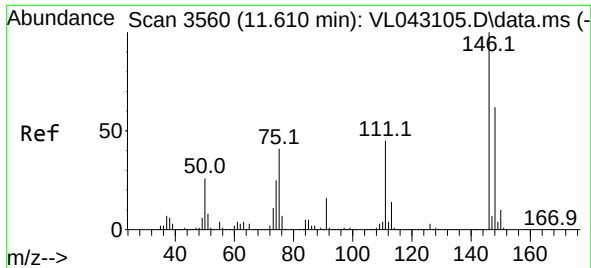
Tgt Ion:105 Resp: 22734
Ion Ratio Lower Upper
105 100
120 52.2 39.0 58.6



#74
1,2,4-Trimethylbenzene
Concen: 0.519 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:105 Resp: 26535
Ion Ratio Lower Upper
105 100
120 56.3 42.8 64.2
91 84.5 68.3 102.5
77 27.0 23.4 35.0

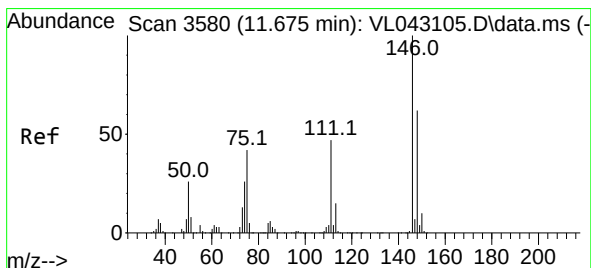
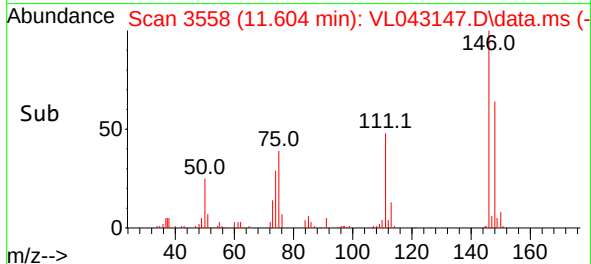
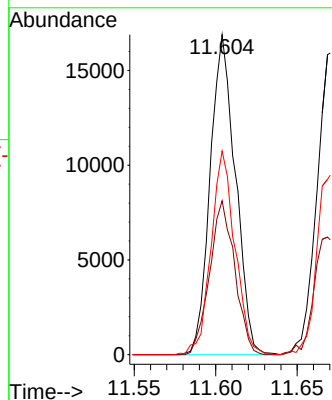
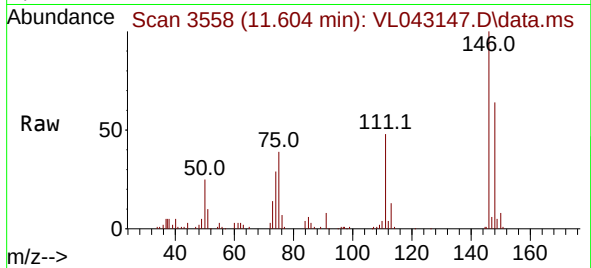




#75
1,3-Dichlorobenzene
Concen: 0.613 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

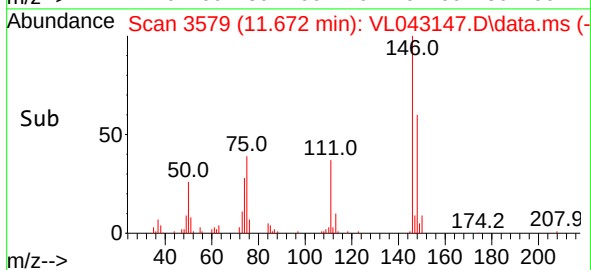
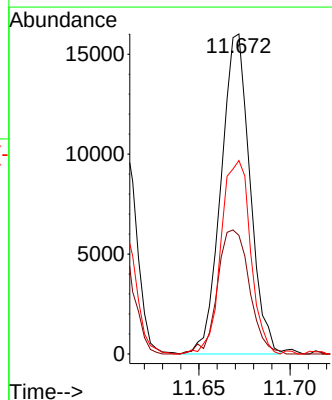
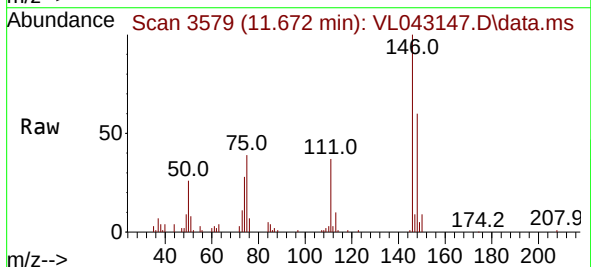
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

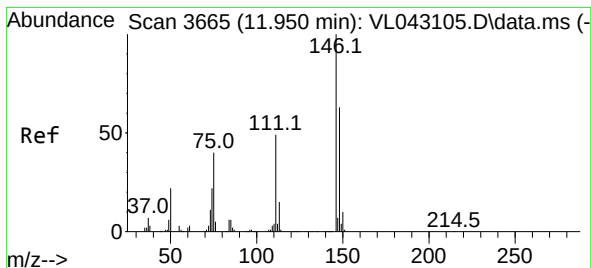
Tgt Ion:146 Resp: 18180
Ion Ratio Lower Upper
146 100
111 47.7 23.3 69.9
148 60.3 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 0.591 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:146 Resp: 17692
Ion Ratio Lower Upper
146 100
111 42.7 22.4 67.0
148 62.2 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 0.636 ppbv

RT: 11.947 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025

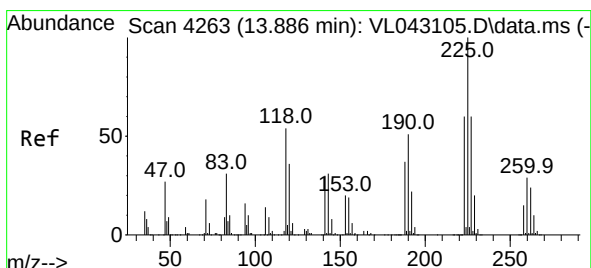
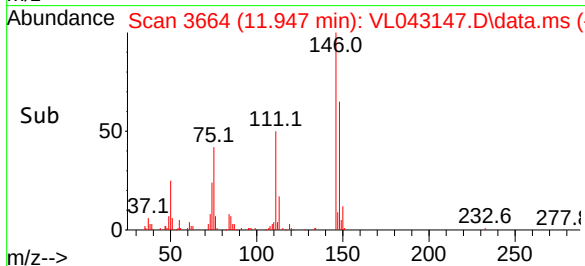
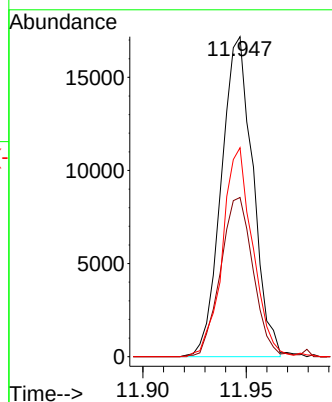
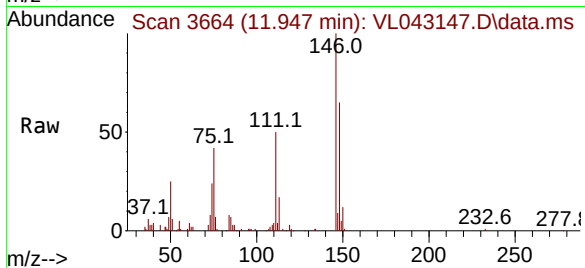
Tgt Ion:146 Resp: 18270

Ion Ratio Lower Upper

146 100

111 51.9 24.0 72.0

148 62.7 31.1 93.3



#78

Hexachloro-1,3-Butadiene

Concen: 0.694 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

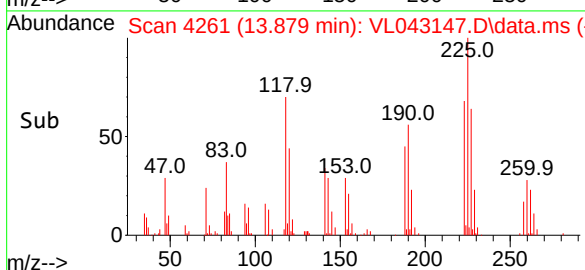
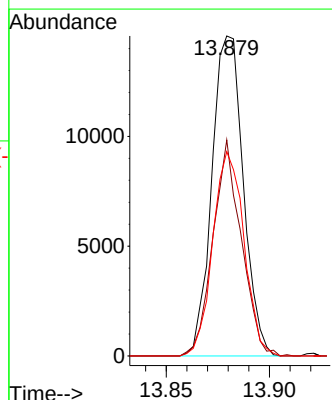
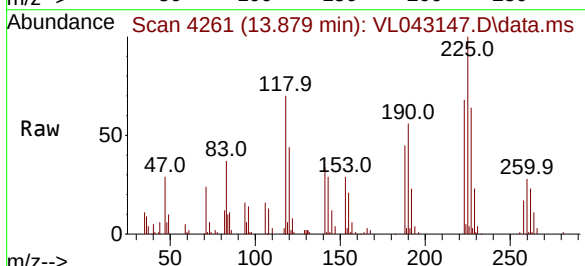
Tgt Ion:225 Resp: 15428

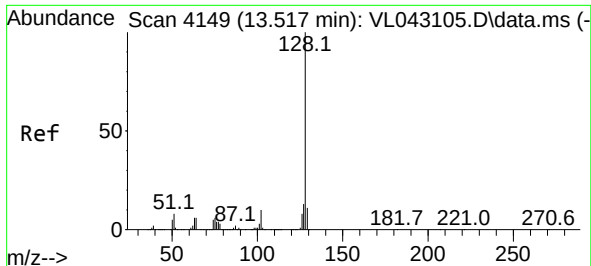
Ion Ratio Lower Upper

225 100

223 60.7 50.2 75.4

227 63.3 49.6 74.4

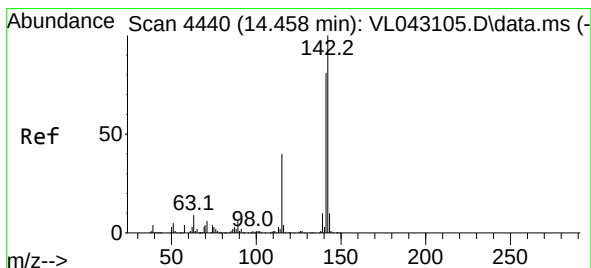
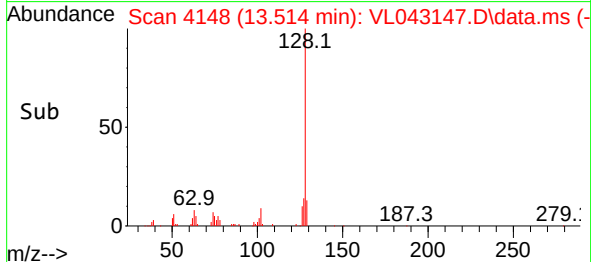
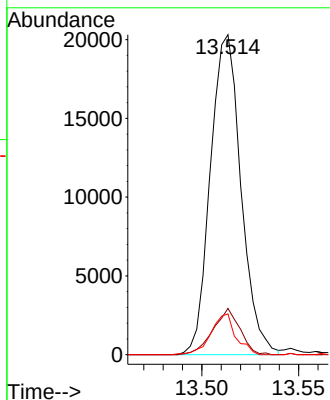
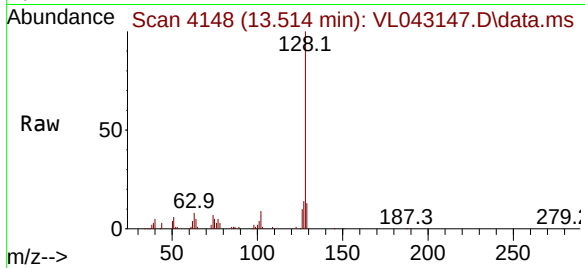




#79
Naphthalene
Concen: 0.418 ppbv
RT: 13.514 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

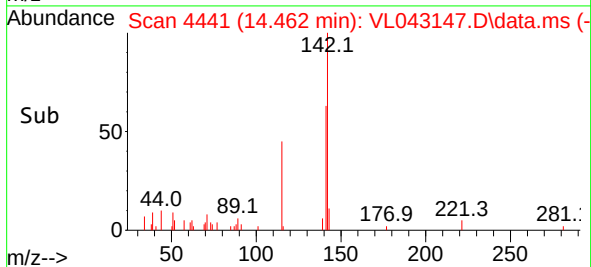
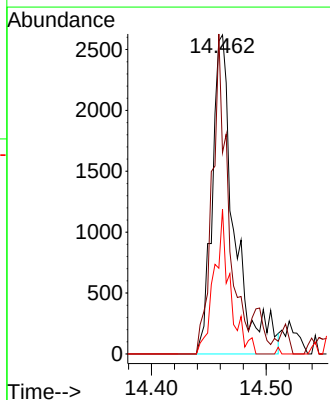
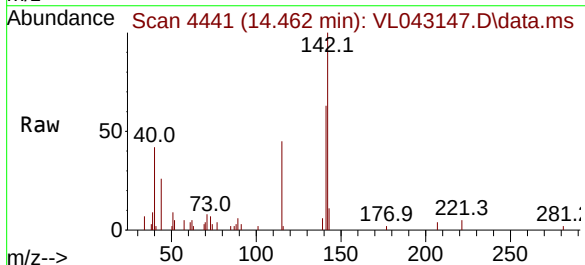
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

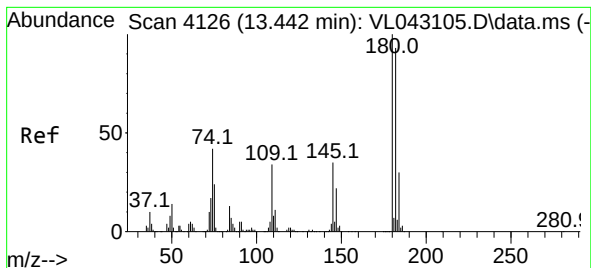
Tgt Ion:128 Resp: 22379
Ion Ratio Lower Upper
128 100
127 14.5 10.5 15.7
129 12.8 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 0.250 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:142 Resp: 3490
Ion Ratio Lower Upper
142 100
141 84.8 64.6 97.0
115 32.7 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 0.414 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043147.D

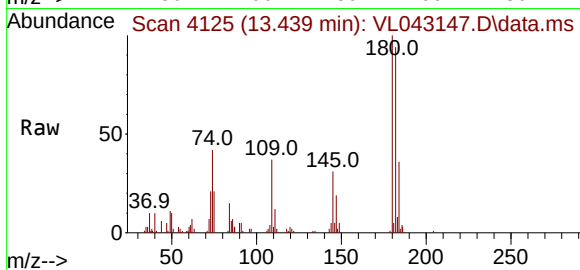
Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025



Tgt Ion:	180	Resp:	9187
Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.5	113.3
184	32.2	23.9	35.9

