Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
Data File : VL043012.D
Acq On : 24 Sep 2025 16:49
Operator : SY/MD
Sample : Q2893-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:22:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 25 03:22:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	146283	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	445225	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	389299	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	289536	9.963	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11063	0.562	ppbv	97
3) Chlorodifluoromethane	1.476	51	12527	0.511	ppbv	98
4) Chloromethane	1.534	50	4563	0.512	ppbv	99
5) Vinyl Chloride	1.580	62	3806	0.473	ppbv	93
6) Bromomethane	1.667	94	1537	0.541	ppbv #	69
7) Chloroethane	1.706	64	1760	0.563	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	9248	0.551	ppbv	93
9) Propene	1.486	41	4939	0.463	ppbv	93
10) Heptane	4.985	43	10437	0.367	ppbv	97
11) Trichlorofluoromethane	1.877	101	10917	0.575	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	9033	0.588	ppbv	97
13) Ethanol	1.722	45	847	0.818	ppbv #	35
14) Bromoethene	1.784	108	2833	0.488	ppbv #	91
15) Acetone	1.839	43	12331	0.647	ppbv	91
16) 1,3-Butadiene	1.612	39	4298	0.478	ppbv	86
17) tert-Butyl alcohol	2.043	59	8980	0.430	ppbv #	92
18) 1,1-Dichloroethene	2.036	96	3972	0.559	ppbv	95
19) Isopropyl Alcohol	1.887	45	5552	0.485	ppbv #	45
20) Methylene Chloride	2.065	84	5555	0.696	ppbv #	87
21) Allyl Chloride	2.098	41	6208	0.468	ppbv #	88
22) trans-1,2-Dichloroethene	2.340	96	4324	0.535	ppbv	82
23) Vinyl Acetate	2.463	43	10748	0.395	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	8100	0.511	ppbv	97
25) Ethyl Acetate	2.839	43	20685	0.430	ppbv	97
26) Hexane	2.829	57	9220	0.420	ppbv	93
27) Carbon Disulfide	2.153	76	8989	0.457	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3602	0.316	ppbv #	76
29) Chloroform	2.848	83	16195	0.564	ppbv	99
30) Cyclohexane	3.858	84	6868	0.374	ppbv	92
31) cis-1,2-Dichloroethene	2.344	61	7258	0.353	ppbv	91
32) 1,1,1-Trichloroethane	3.373	97	14135	0.456	ppbv	99
34) 2-Butanone	2.560	43	15595	0.500	ppbv	99
35) Carbon Tetrachloride	3.764	117	15279	0.527	ppbv	94
36) Benzene	3.661	78	19561	0.468	ppbv	97
37) 1,2-Dichloroethane	3.217	62	11552	0.525	ppbv	96
38) Trichloroethene	4.551	130	10327	0.497	ppbv	87
39) 1,2-Dichloropropane	4.318	63	7501	0.491	ppbv	93
40) 1,4-Dioxane	4.599	88	1004	0.141	ppbv #	21
41) Tetrahydrofuran	3.065	42	6606	0.368	ppbv	98
42) Bromodichloromethane	4.493	83	14965	0.489	ppbv #	86
43) Methyl Methacrylate	4.888	69	5717	0.334	ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	29134	0.403	ppbv #	93
45) t-1,3-Dichloropropene	6.422	75	5307	0.291	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
Data File : VL043012.D
Acq On : 24 Sep 2025 16:49
Operator : SY/MD
Sample : Q2893-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:22:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 25 03:22:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	1653	0.071	ppbv		88
47) 1,1,2-Trichloroethane	6.590	97	7742	0.480	ppbv		95
48) Dibromochloromethane	7.393	129	12112	0.469	ppbv		99
49) Bromoform	9.487	173	10384	0.463	ppbv		98
50) 4-Methyl-2-Pentanone	5.768	43	13125	0.314	ppbv		99
51) 2-Hexanone	7.448	43	4655	0.140	ppbv	#	27
52) Tetrachloroethene	8.228	164	7960	0.492	ppbv		85
53) Toluene	6.936	91	18218	0.368	ppbv		97
54) 1,2-Dibromoethane	7.658	107	11127	0.490	ppbv		86
56) 1,1,1,2-Tetrachloroethane	8.927	131	10275	0.551	ppbv	#	1
57) Chlorobenzene	8.927	112	19134	0.538	ppbv	#	85
58) Ethyl Benzene	9.361	91	23254	0.364	ppbv		96
59) m/p-Xylene	9.539	91	19183	0.381	ppbv	#	100
60) o-Xylene	9.966	91	18428	0.366	ppbv		98
61) Styrene	9.875	104	3740	0.157	ppbv	#	29
62) Isopropylbenzene	10.542	105	29403	0.392	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	12735	0.481	ppbv		94
64) n-propylbenzene	10.989	120	6732	0.343	ppbv		86
65) tert-Butylbenzene	11.532	119	23827	0.357	ppbv		99
66) Benzyl Chloride	11.620	91	951	0.136	ppbv		95
67) sec-Butylbenzene	11.769	105	34976	0.376	ppbv		98
69) p-Isopropyltoluene	11.931	119	26856	0.342	ppbv		98
70) n-Butylbenzene	12.283	91	22840	0.298	ppbv		97
71) 2-Chlorotoluene	10.901	91	21288	0.376	ppbv		96
72) 4-Ethyltoluene	11.128	105	20287	0.322	ppbv	#	96
73) 1,3,5-Trimethylbenzene	11.205	105	17122	0.335	ppbv		98
74) 1,2,4-Trimethylbenzene	11.536	105	19950	0.353	ppbv	#	83
75) 1,3-Dichlorobenzene	11.610	146	17400	0.497	ppbv		97
76) 1,4-Dichlorobenzene	11.675	146	15681	0.451	ppbv		96
77) 1,2-Dichlorobenzene	11.947	146	16736	0.502	ppbv		96
78) Hexachloro-1,3-Butadiene	13.882	225	16280	0.624	ppbv		98
79) Naphthalene	13.516	128	8304	0.166	ppbv		97
80) Naphthalene,2-methyl-	14.462	142	1647	0.107	ppbv	#	88
81) 1,2,4-Trichlorobenzene	13.439	180	6057	0.227	ppbv		88

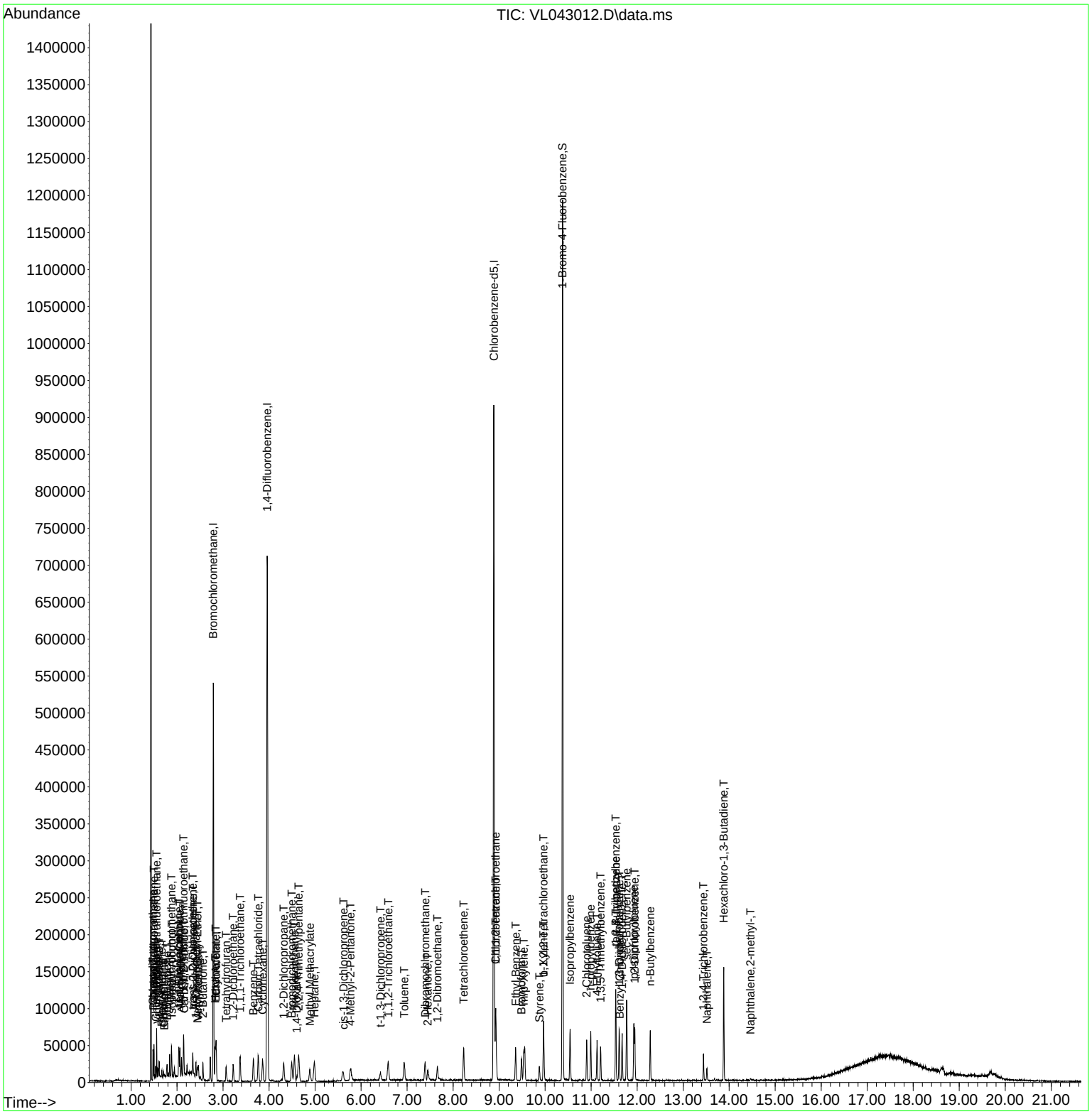
(#) = qualifier out of range (m) = manual integration (+) = signals summed

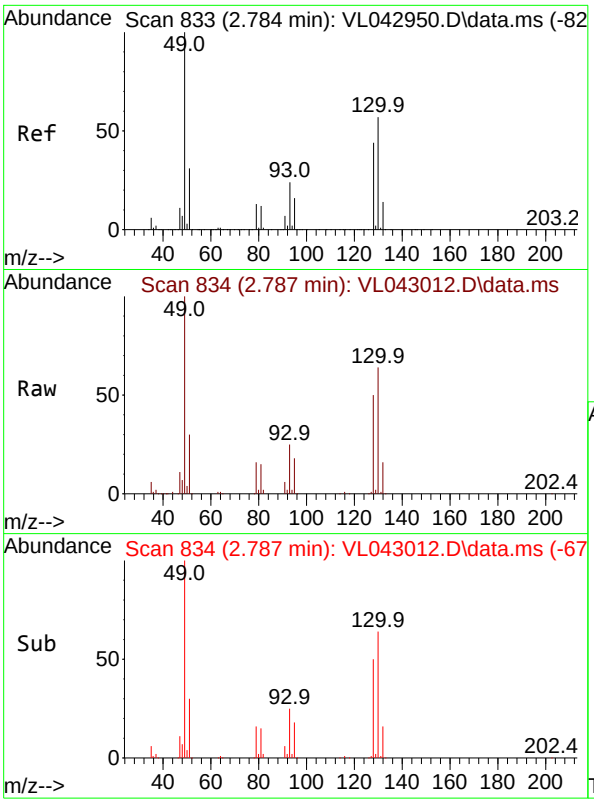
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
Data File : VL043012.D
Acq On : 24 Sep 2025 16:49
Operator : SY/MD
Sample : Q2893-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:22:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 25 03:22:23 2025
Response via : Initial Calibration



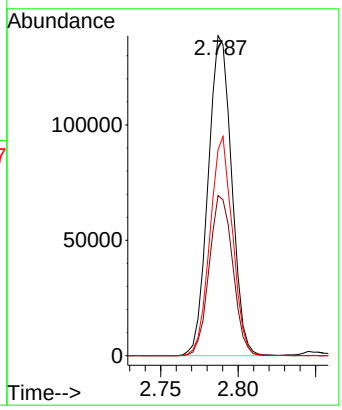


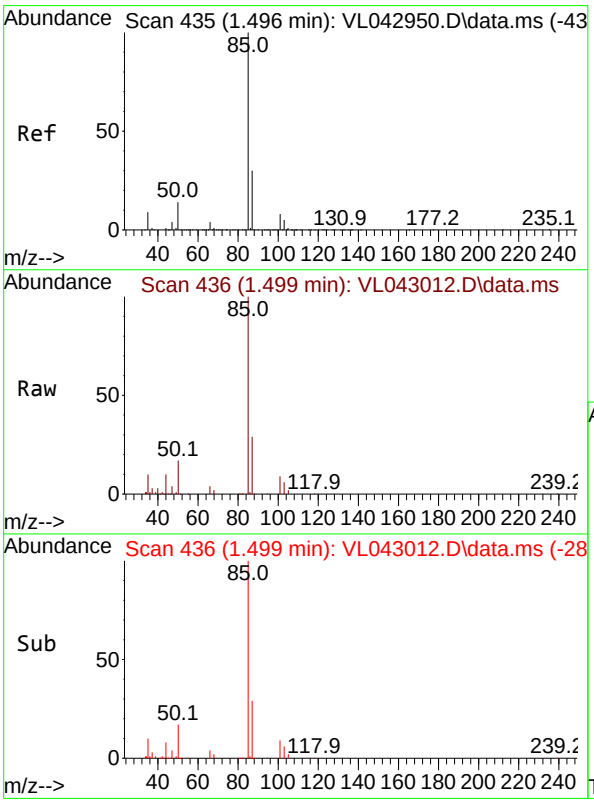
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 49 Resp: 146283

Ion	Ratio	Lower	Upper
49	100		
128	50.2	22.9	68.8
130	65.6	29.1	87.3

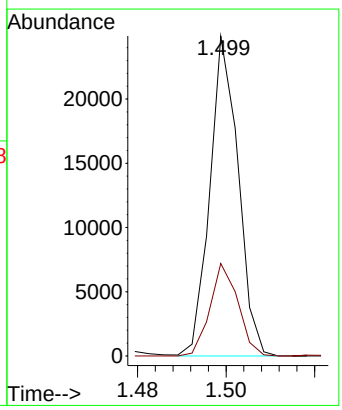


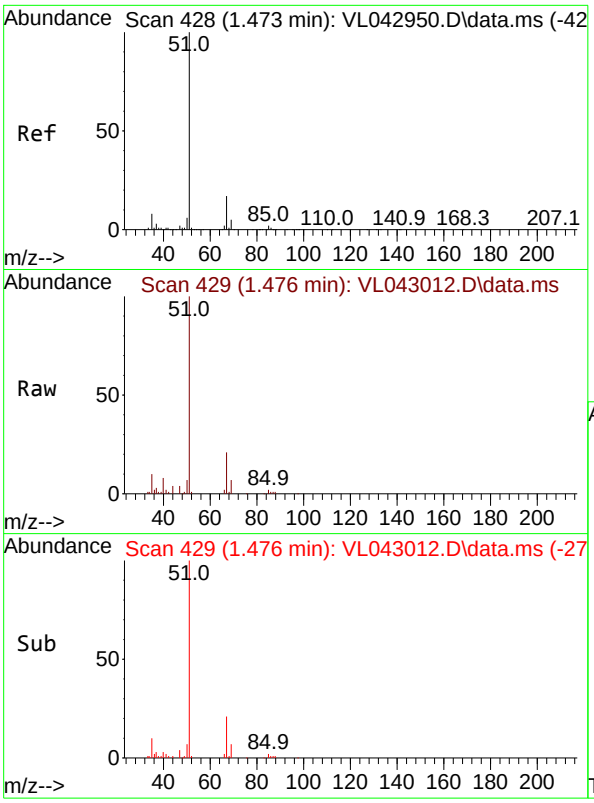


#2
Dichlorodifluoromethane
Concen: 0.562 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 85 Resp: 11063

Ion	Ratio	Lower	Upper
85	100		
87	28.9	24.3	36.5



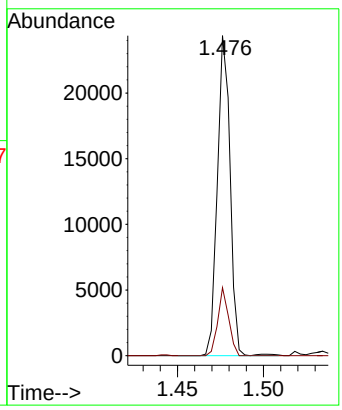


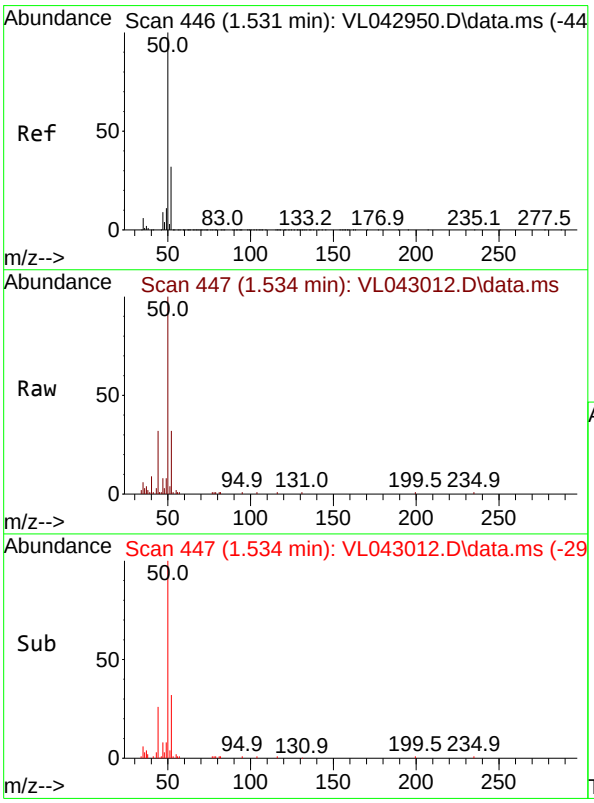
#3
Chlorodifluoromethane
Concen: 0.511 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 51 Resp: 12527

Ion	Ratio	Lower	Upper
51	100		
67	18.4	13.8	20.8

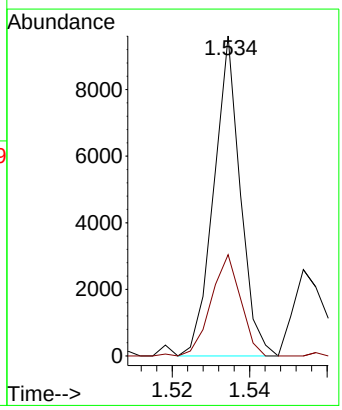


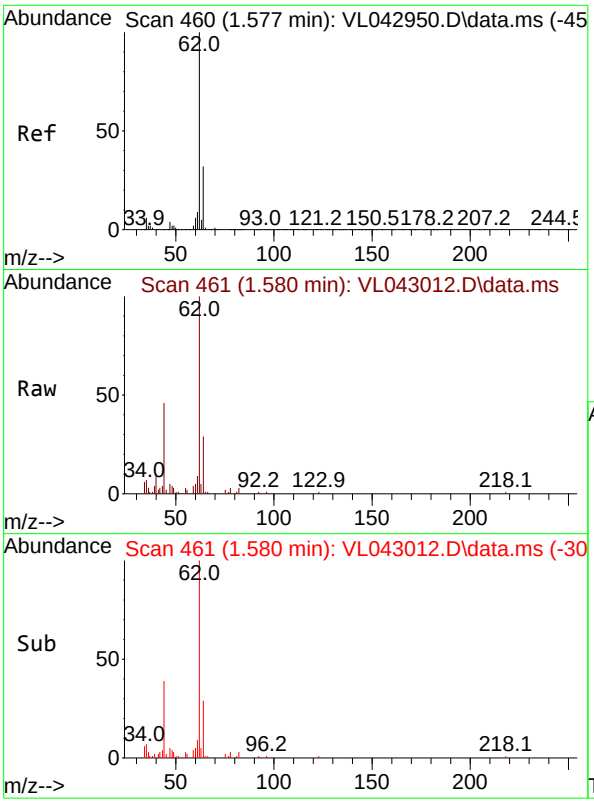


#4
Chloromethane
Concen: 0.512 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 50 Resp: 4563

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.9	38.9



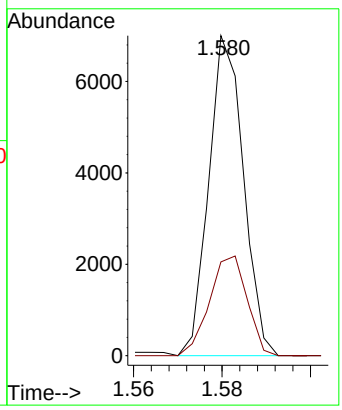


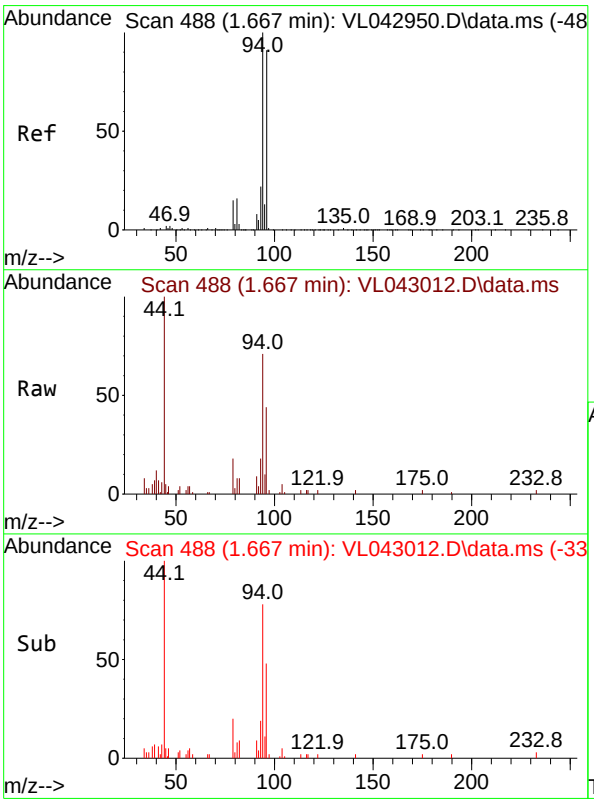
#5
Vinyl Chloride
Concen: 0.473 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 62 Resp: 3806

Ion	Ratio	Lower	Upper
62	100		
64	27.8	25.4	38.2

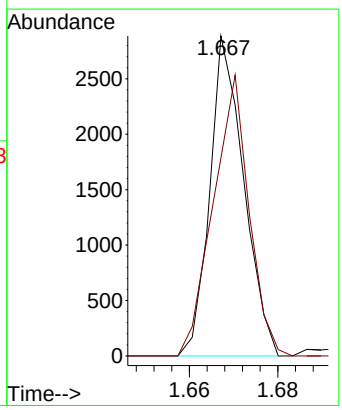


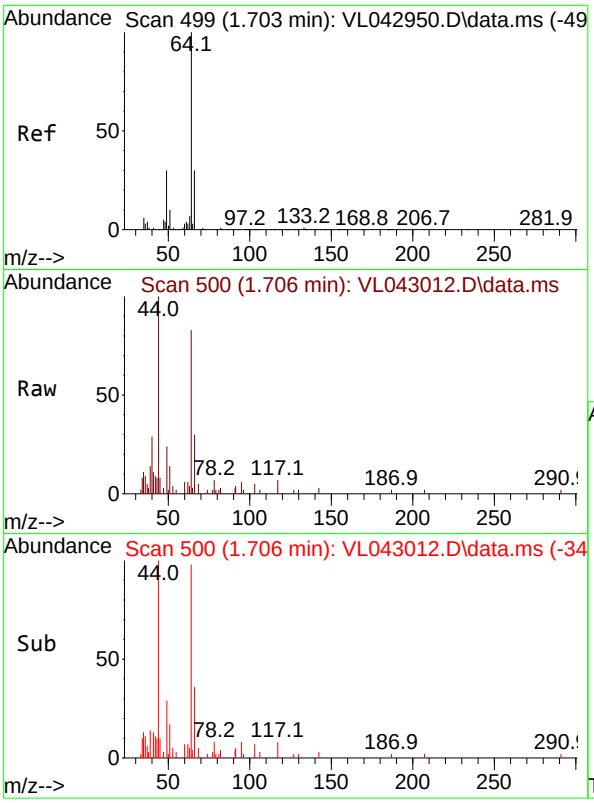


#6
Bromomethane
Concen: 0.541 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 94 Resp: 1537

Ion	Ratio	Lower	Upper
94	100		
96	61.8	72.6	108.8#



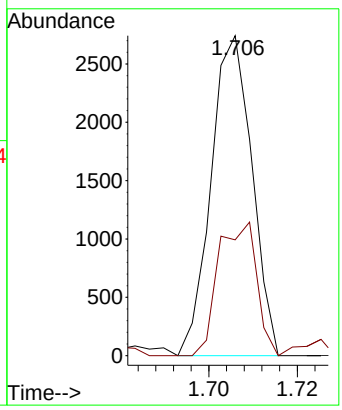


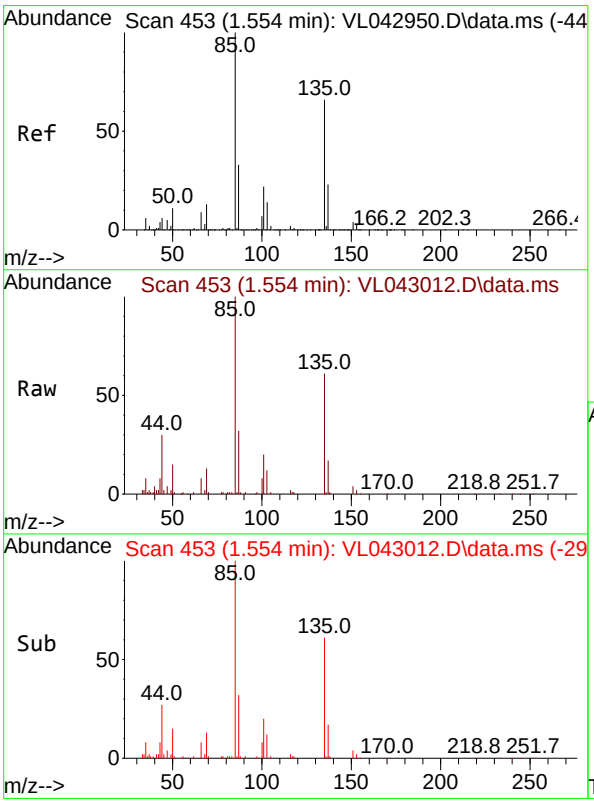
#7
Chloroethane
Concen: 0.563 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 64 Resp: 1760

Ion	Ratio	Lower	Upper
64	100		
66	34.8	24.6	36.8

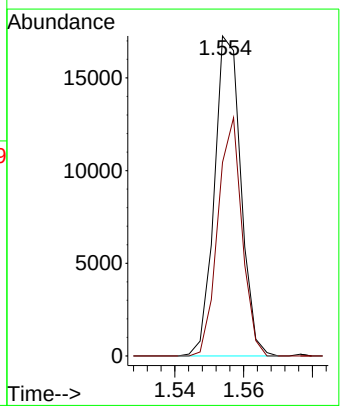


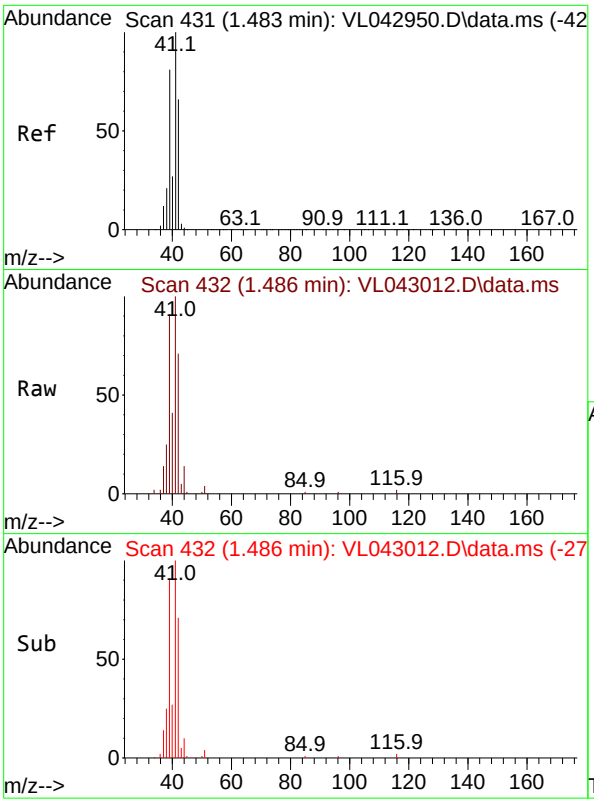


#8
Dichlorotetrafluoroethane
Concen: 0.551 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 85 Resp: 9248

Ion	Ratio	Lower	Upper
85	100		
135	67.8	49.7	74.5



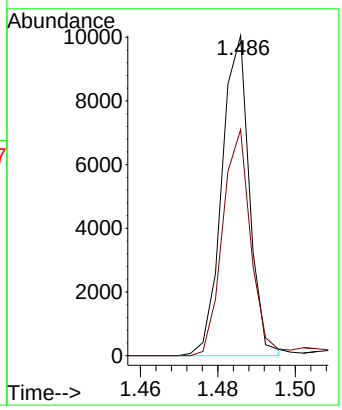


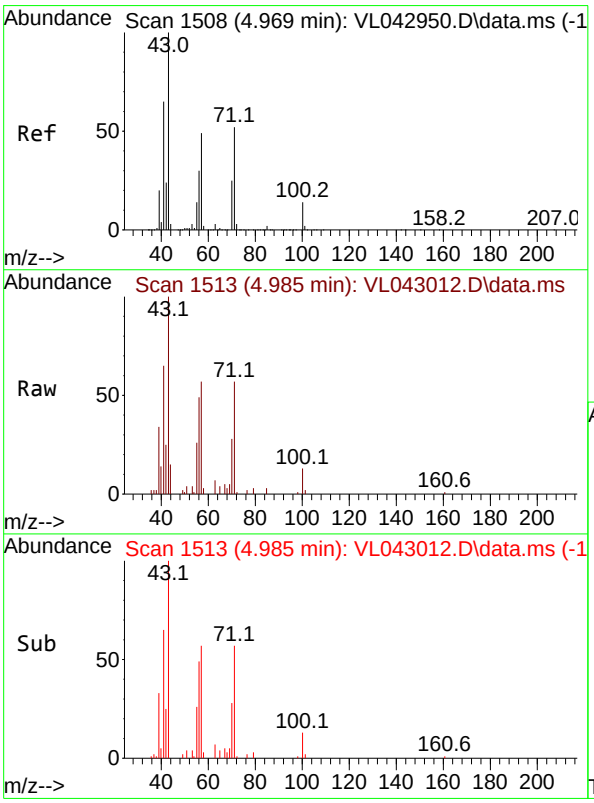
#9
Propene
Concen: 0.463 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 41 Resp: 4939

Ion	Ratio	Lower	Upper
41	100		
42	77.4	57.4	86.2

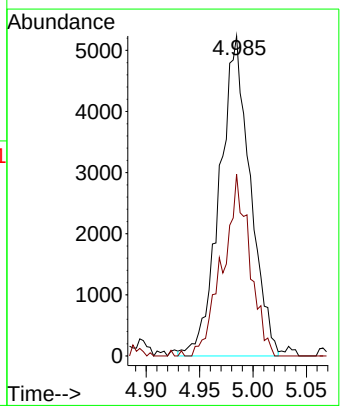


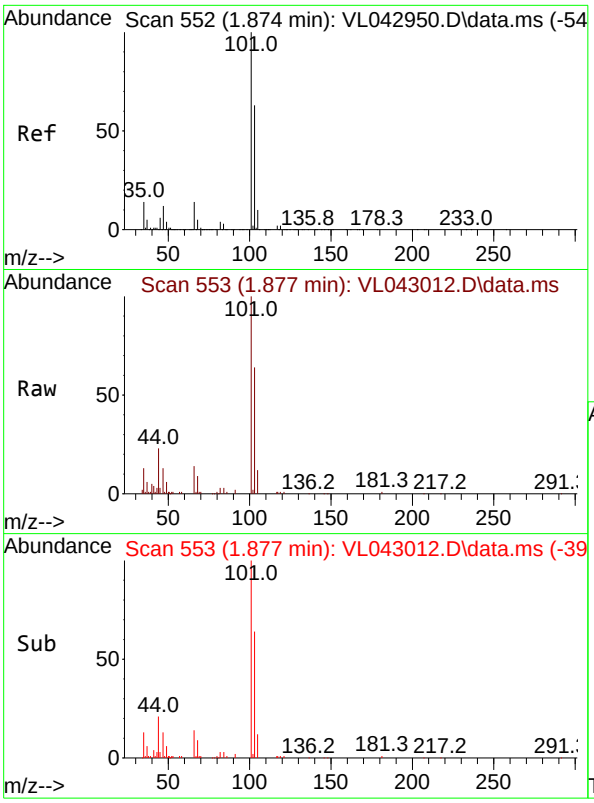


#10
Heptane
Concen: 0.367 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.016 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 43 Resp: 10437

Ion	Ratio	Lower	Upper
43	100		
57	50.4	38.6	57.8



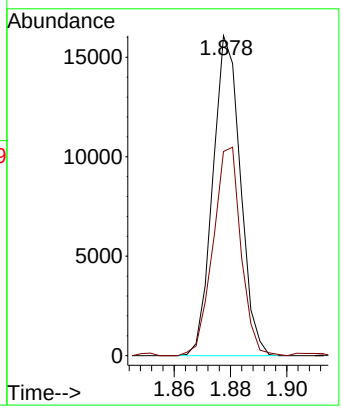


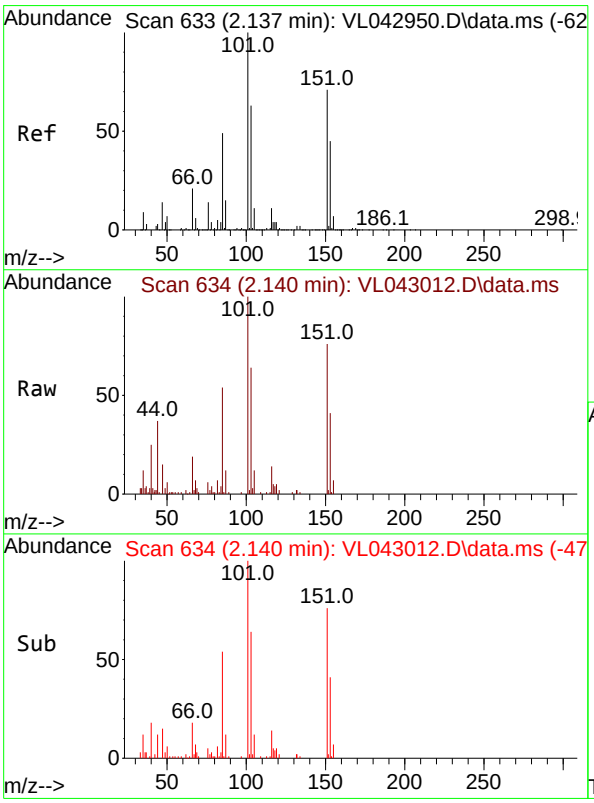
#11
Trichlorofluoromethane
Concen: 0.575 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:101 Resp: 10917

Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.1	75.1

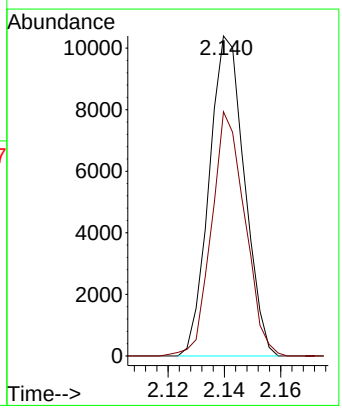


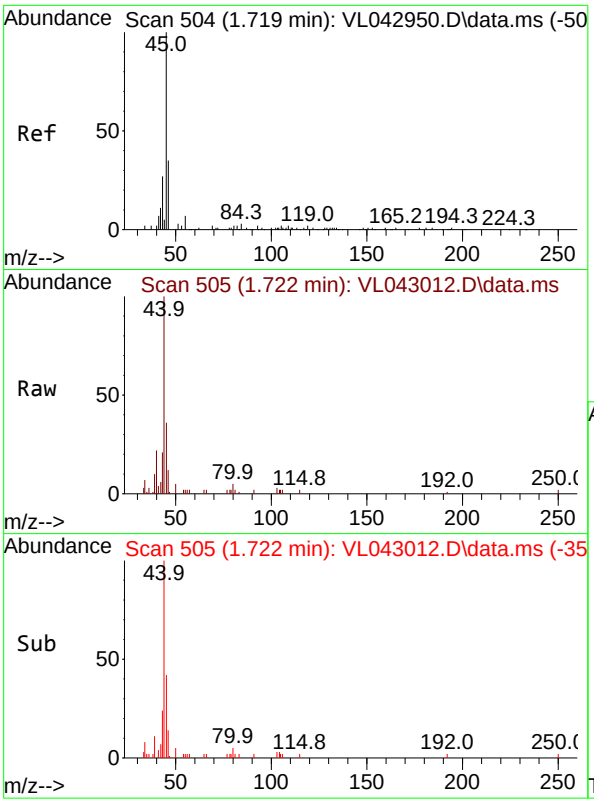


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.588 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:101 Resp: 9033

Ion	Ratio	Lower	Upper
101	100		
151	72.1	55.7	83.5



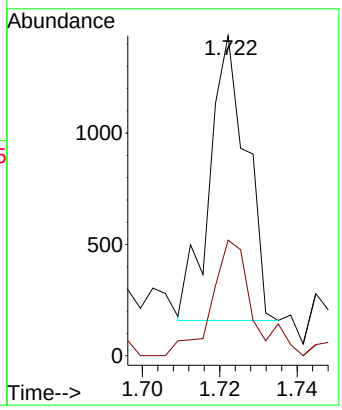


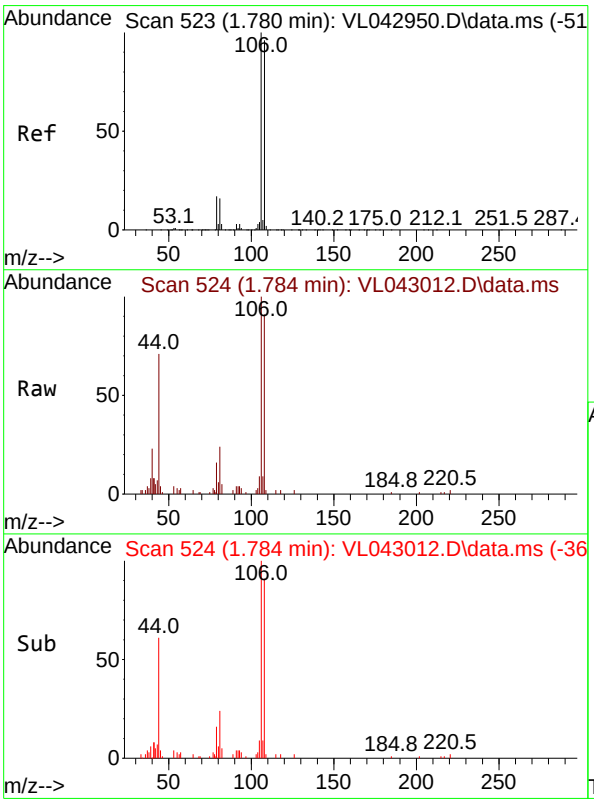
#13
Ethanol
Concen: 0.818 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 45 Resp: 847

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.2	64.6#

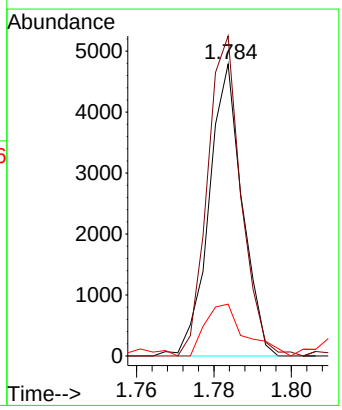


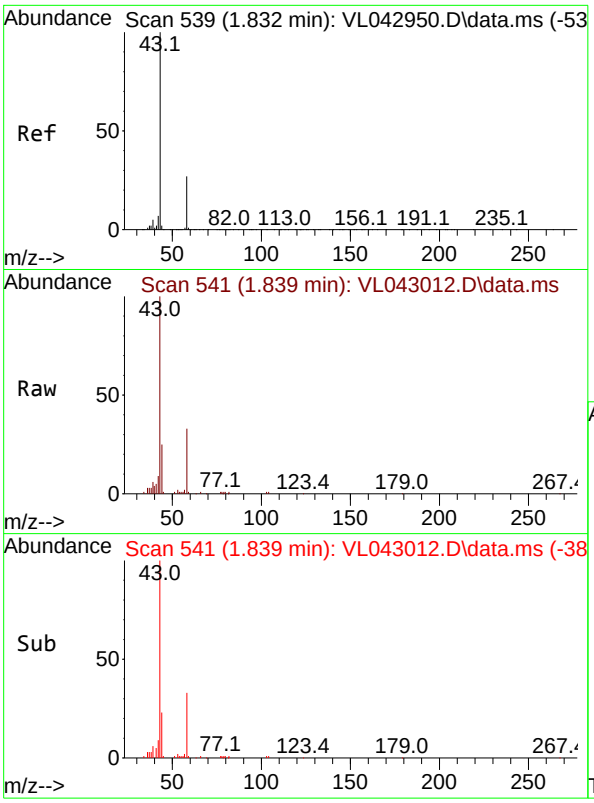


#14
Bromoethene
Concen: 0.488 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:108 Resp: 2833

Ion	Ratio	Lower	Upper
108	100		
106	114.4	86.0	129.0
79	29.0	14.2	21.2#



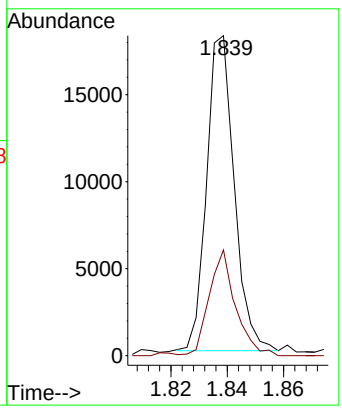


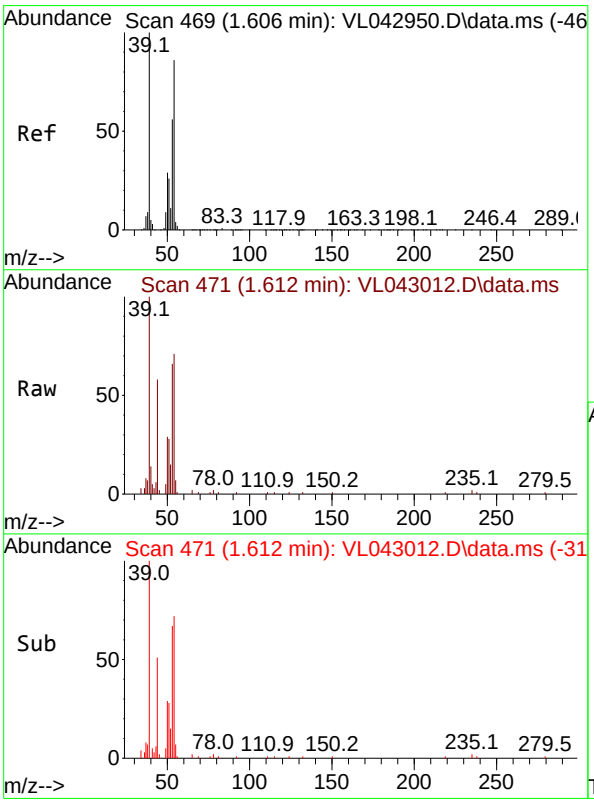
#15
Acetone
Concen: 0.647 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 12331

Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.3	33.5

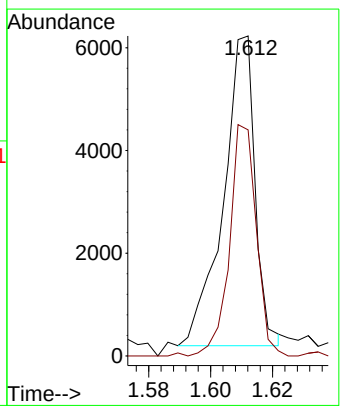


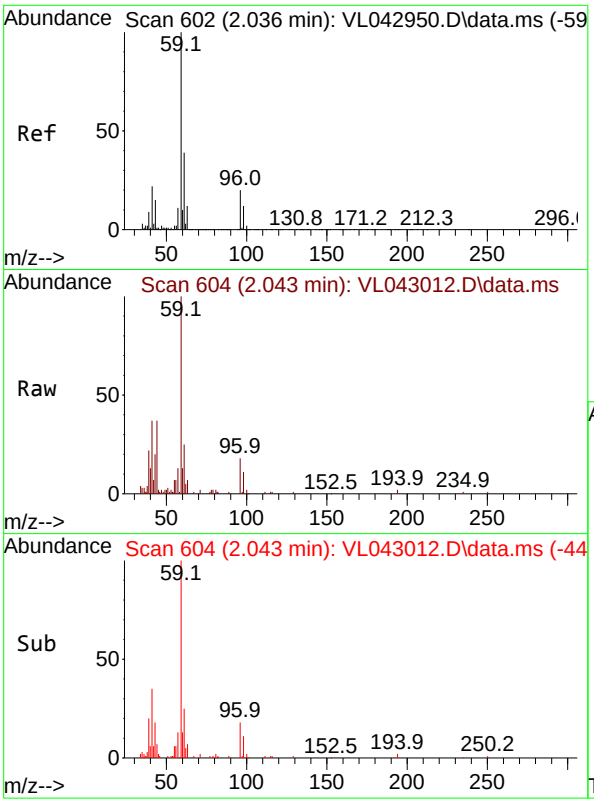


#16
1,3-Butadiene
Concen: 0.478 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 39 Resp: 4298

Ion	Ratio	Lower	Upper
39	100		
54	63.6	60.8	91.2



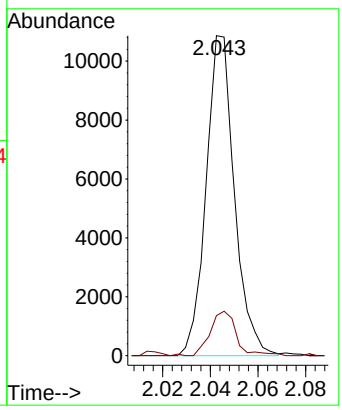


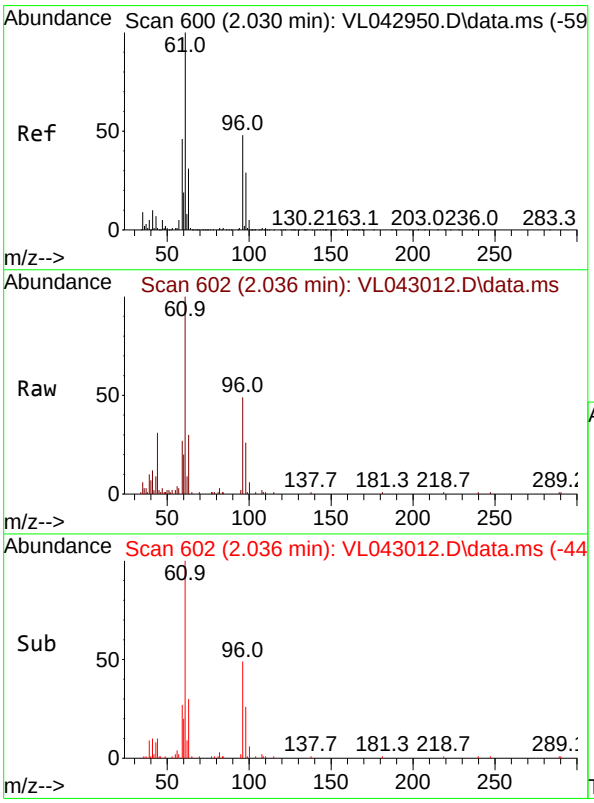
#17
tert-Butyl alcohol
Concen: 0.430 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 59 Resp: 8980

Ion	Ratio	Lower	Upper
59	100		
57	13.8	8.6	12.8#

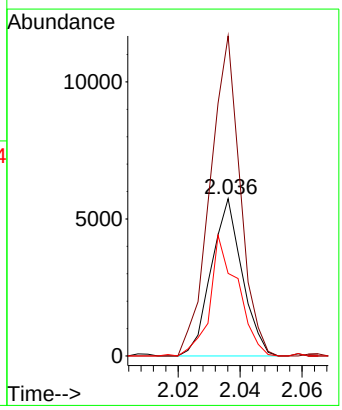


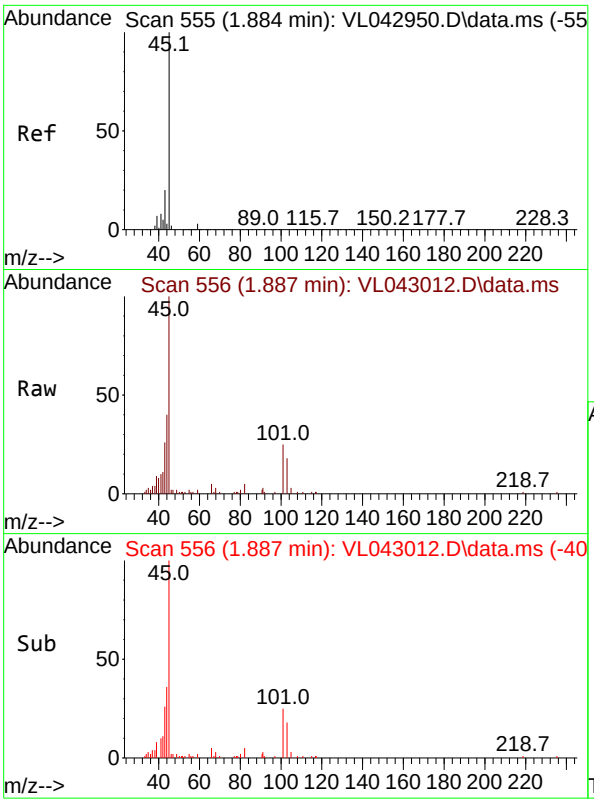


#18
1,1-Dichloroethene
Concen: 0.559 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 96 Resp: 3972

Ion	Ratio	Lower	Upper
96	100		
61	203.4	166.2	249.4
98	52.5	48.6	73.0



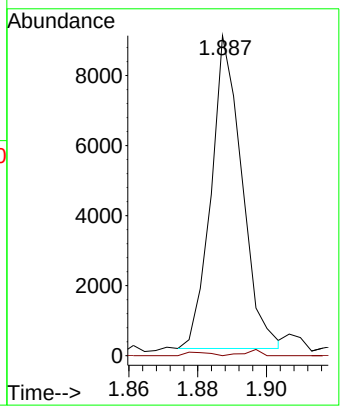


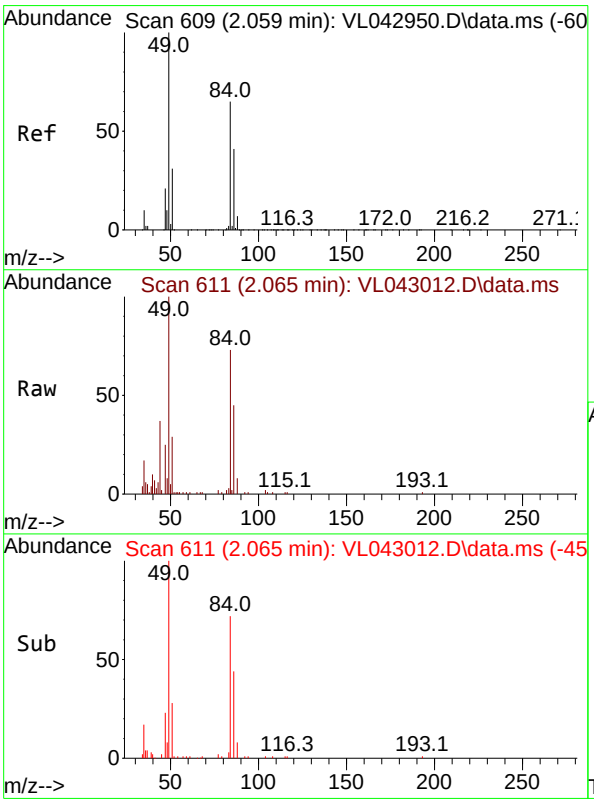
#19
Isopropyl Alcohol
Concen: 0.485 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 45 Resp: 5552

Ion	Ratio	Lower	Upper
45	100		
58	72.2	31.0	46.6#

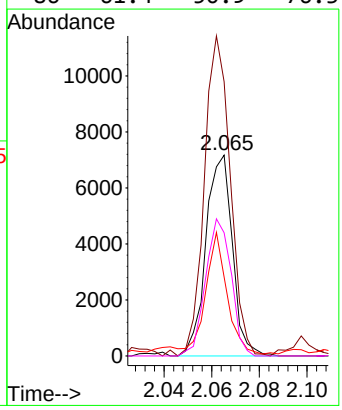


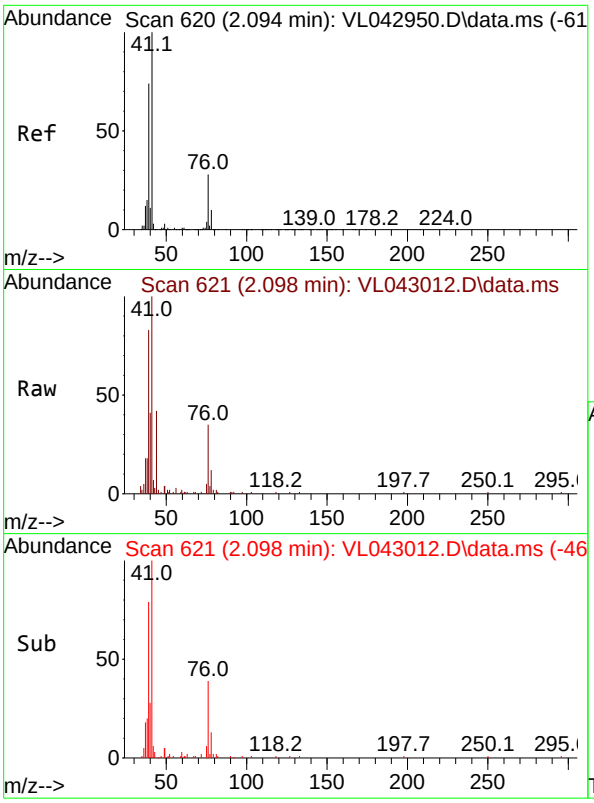


#20
Methylene Chloride
Concen: 0.696 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 84 Resp: 5555

Ion	Ratio	Lower	Upper
84	100		
49	134.0	124.1	186.1
51	38.3	39.8	59.8#
86	61.4	50.9	76.3



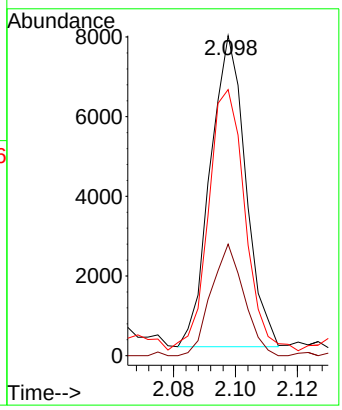


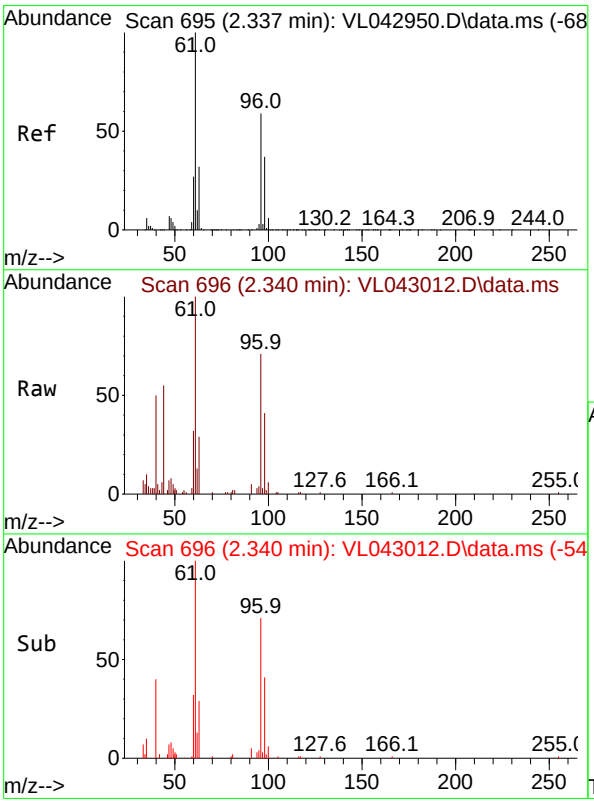
#21
Allyl Chloride
Concen: 0.468 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 41 Resp: 6208

Ion	Ratio	Lower	Upper
41	100		
76	33.7	22.3	33.5#
39	87.3	61.3	91.9

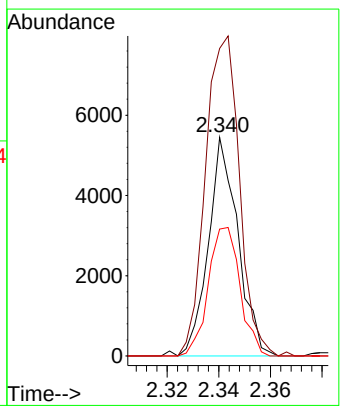


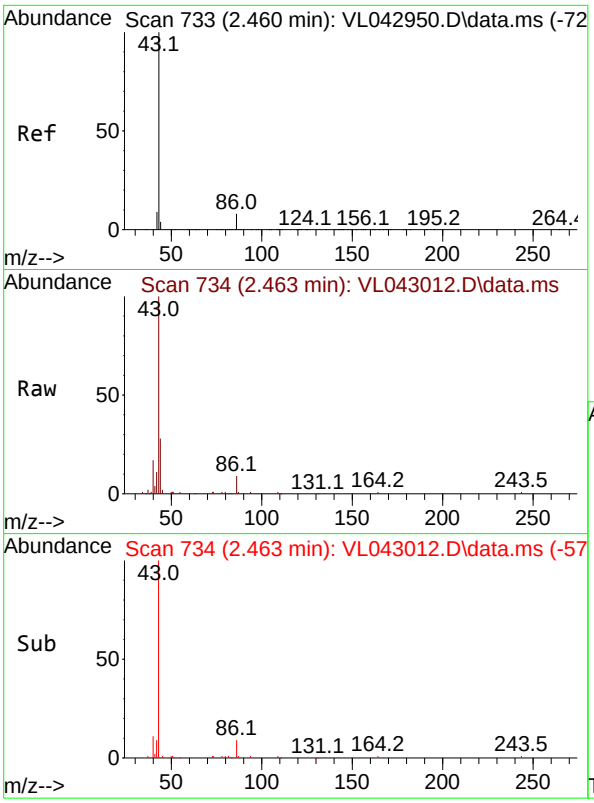


#22
trans-1,2-Dichloroethene
Concen: 0.535 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 96 Resp: 4324

Ion	Ratio	Lower	Upper
96	100		
61	140.7	136.5	204.7
98	58.0	50.6	76.0



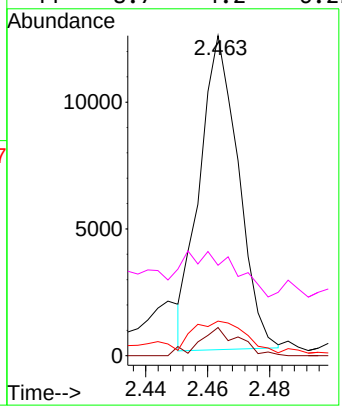


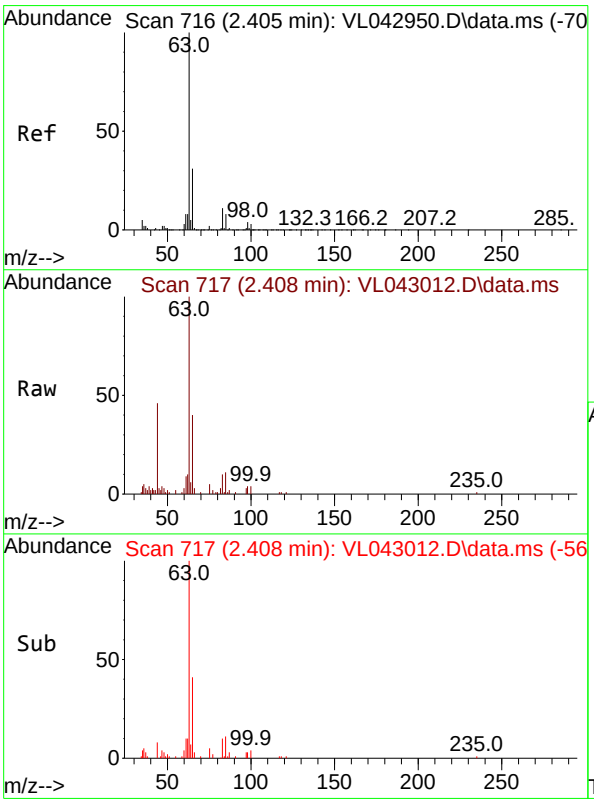
#23
Vinyl Acetate
Concen: 0.395 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 10748

Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.2
42	10.2	7.4	11.0
44	8.7	4.2	6.2#

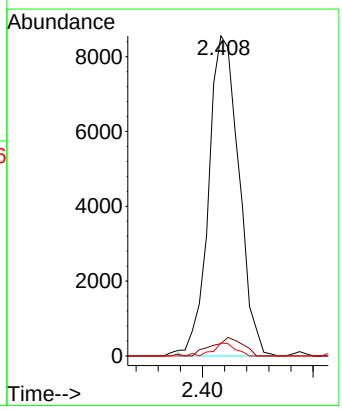


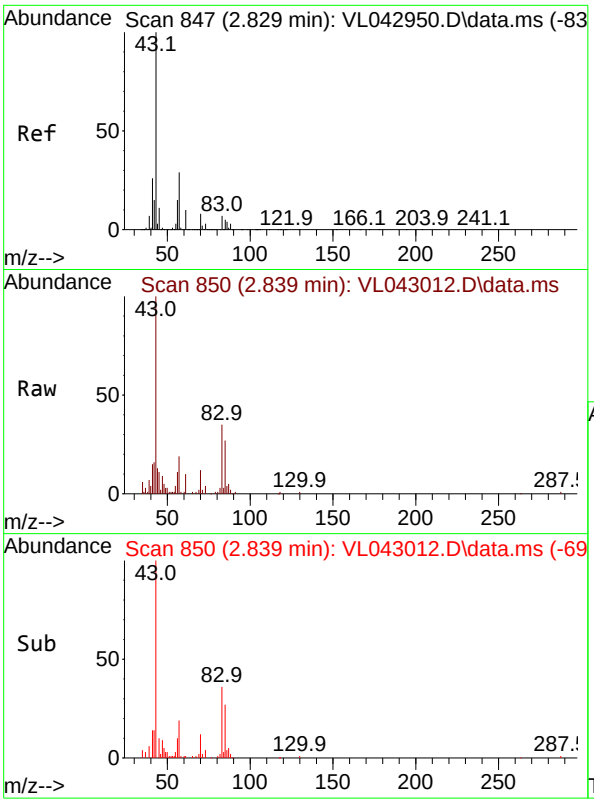


#24
1,1-Dichloroethane
Concen: 0.511 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 63 Resp: 8100

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	4.0	1.4	4.0



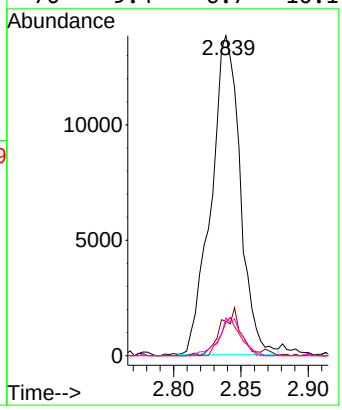


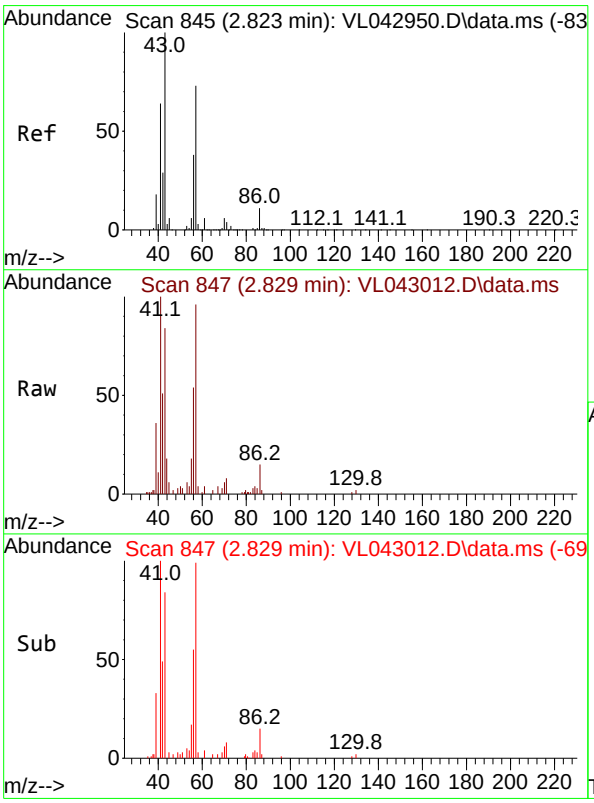
#25
Ethyl Acetate
Concen: 0.430 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 20685

Ion	Ratio	Lower	Upper
43	100		
45	11.4	7.7	11.5
61	8.2	7.1	10.7
70	9.4	6.7	10.1

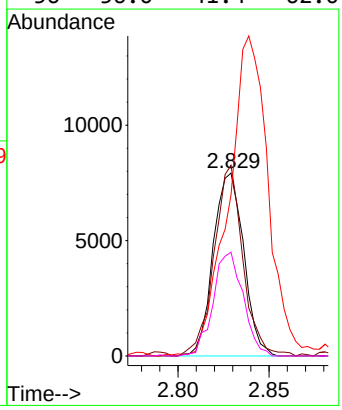


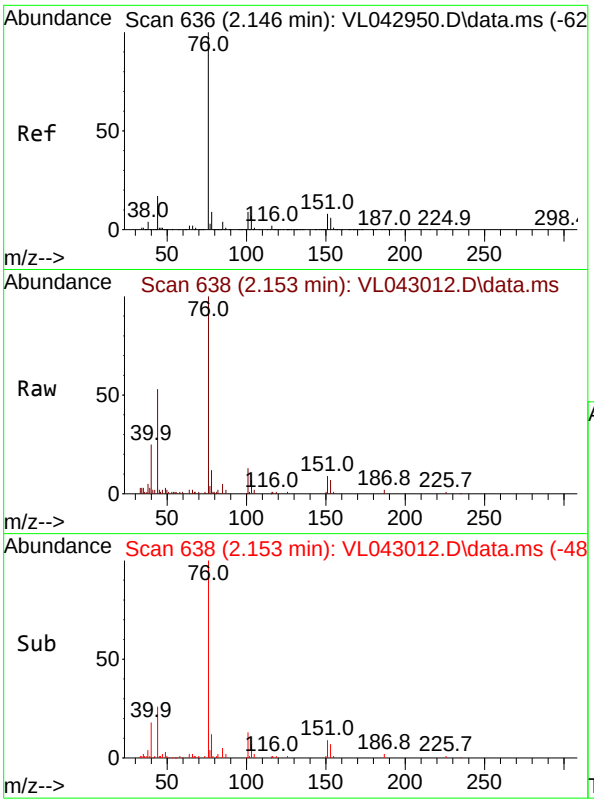


#26
Hexane
Concen: 0.420 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 57 Resp: 9220

Ion	Ratio	Lower	Upper
57	100		
41	102.9	71.7	107.5
43	231.8	180.8	271.2
56	56.0	41.4	62.0



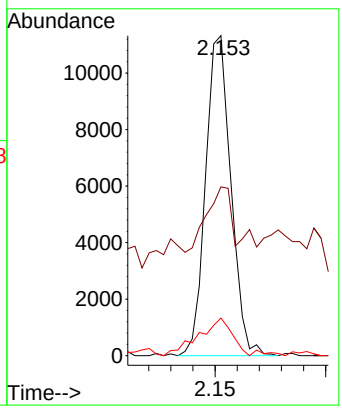


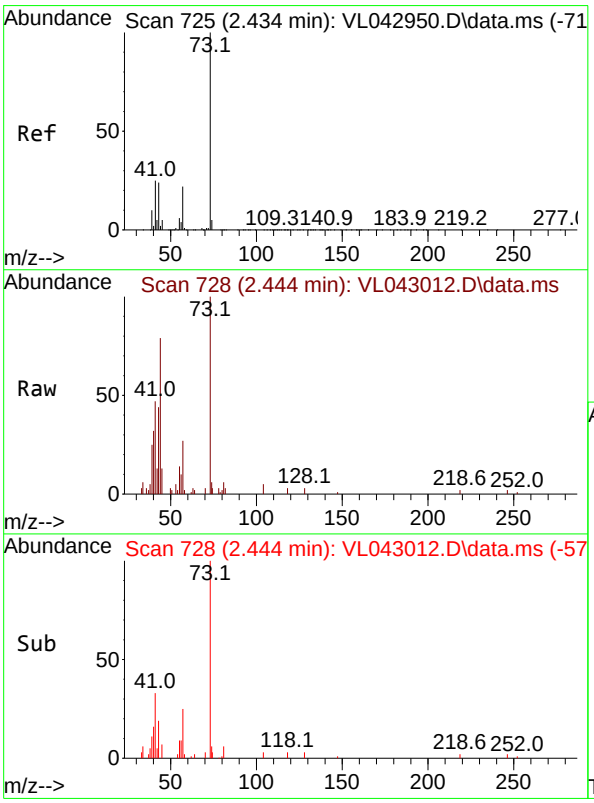
#27
Carbon Disulfide
Concen: 0.457 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 76 Resp: 8989

Ion	Ratio	Lower	Upper
76	100		
44	92.9	15.6	23.4#
78	16.5	8.9	13.3#

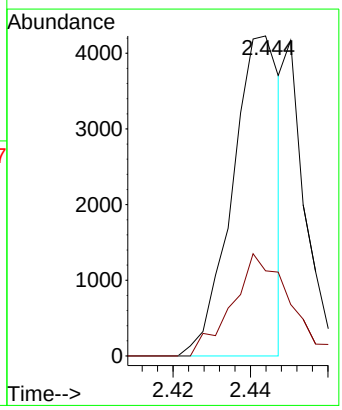


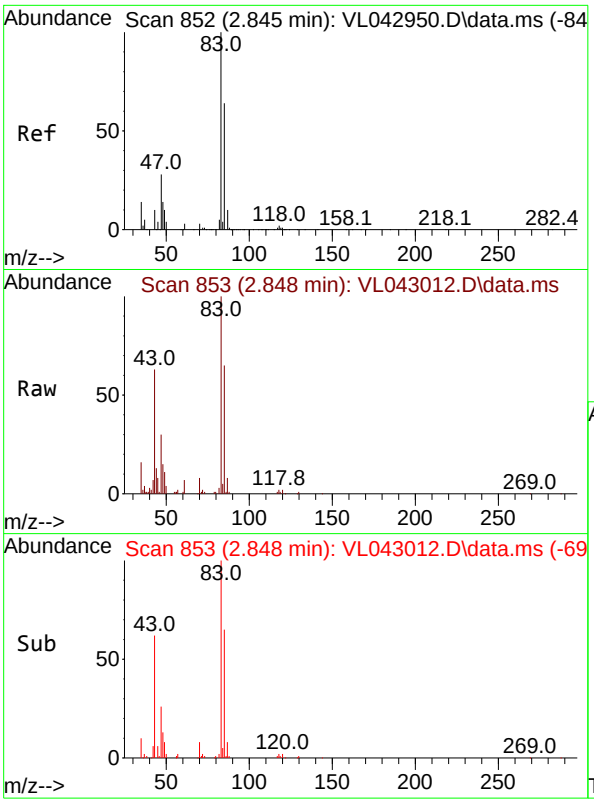


#28
Methyl tert-Butyl Ether
Concen: 0.316 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 73 Resp: 3602

Ion	Ratio	Lower	Upper
73	100		
57	38.1	20.6	31.0#



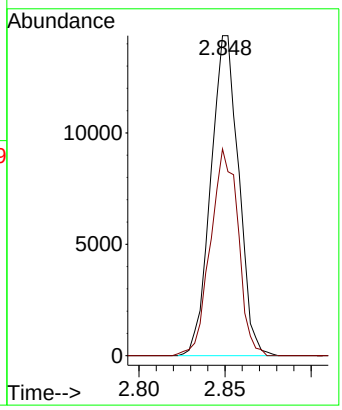


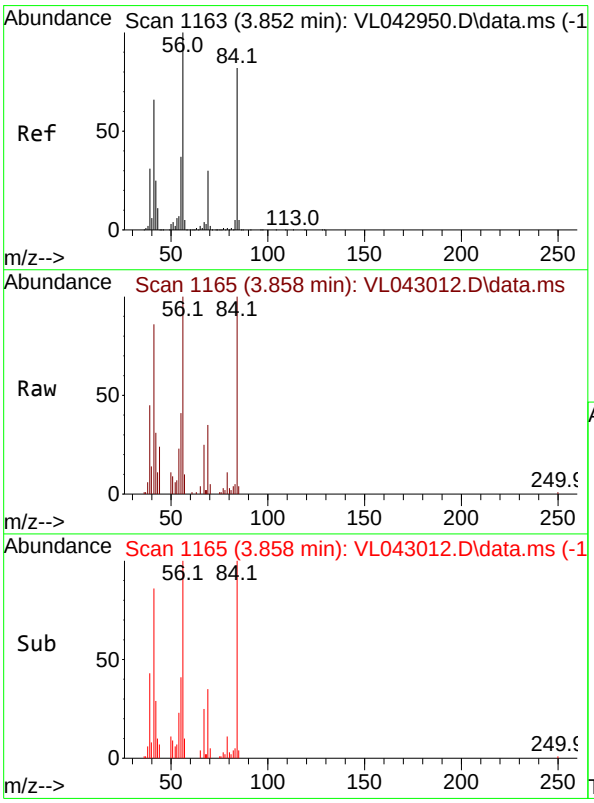
#29
Chloroform
Concen: 0.564 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 16195

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.2	76.8

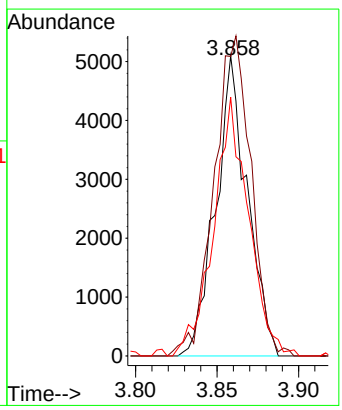


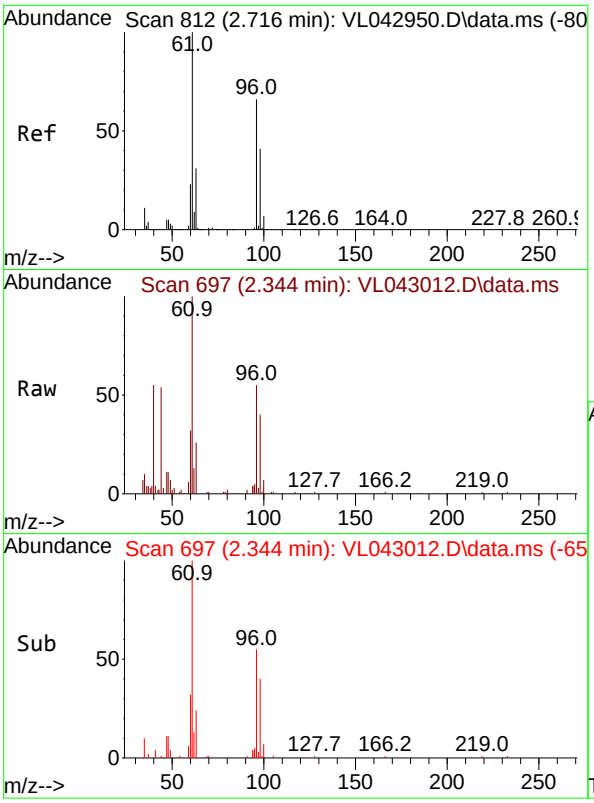


#30
Cyclohexane
Concen: 0.374 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 84 Resp: 6868

Ion	Ratio	Lower	Upper
84	100		
56	125.0	102.2	153.4
41	95.8	65.6	98.4



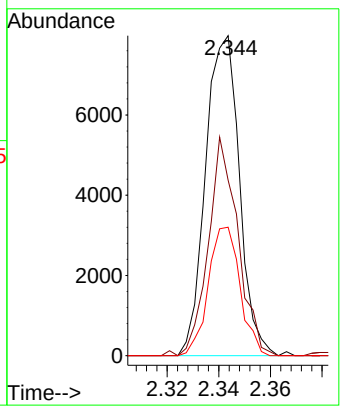


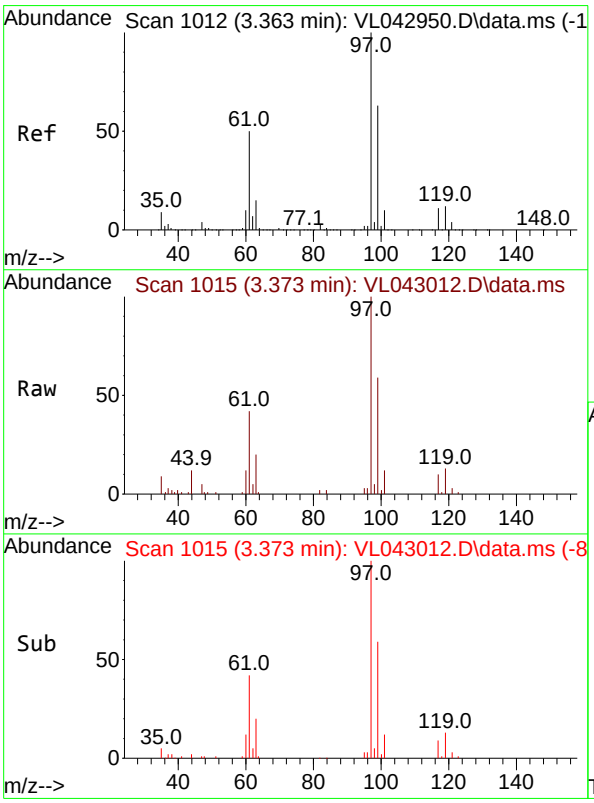
#31
cis-1,2-Dichloroethene
Concen: 0.353 ppbv
RT: 2.344 min Scan# 6
Delta R.T. -0.372 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 61 Resp: 7258

Ion	Ratio	Lower	Upper
61	100		
96	54.9	53.0	79.6
98	40.1	32.9	49.3

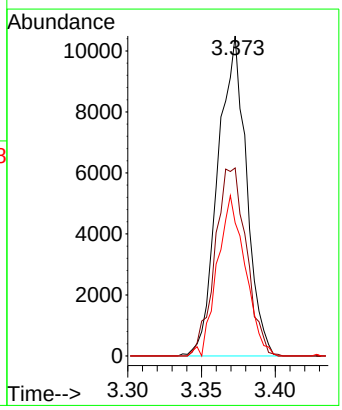


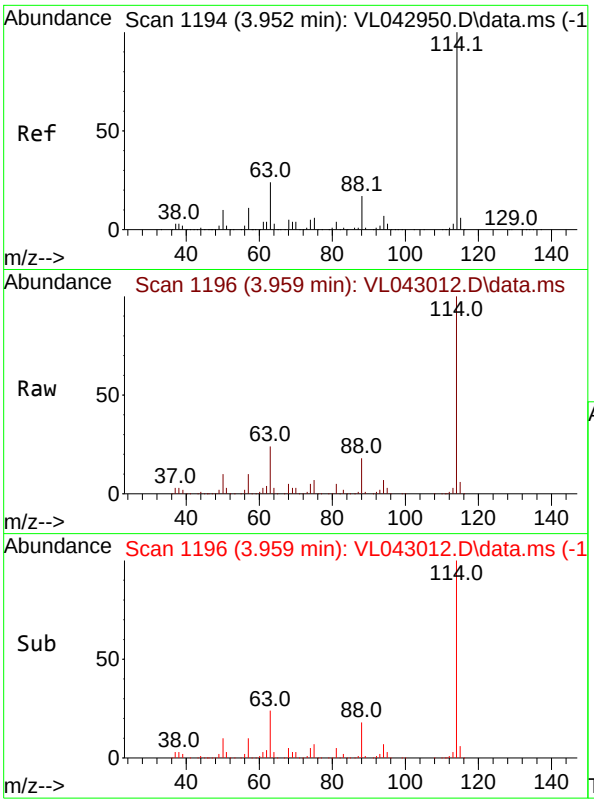


#32
1,1,1-Trichloroethane
Concen: 0.456 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 97 Resp: 14135

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	48.9	39.8	59.6



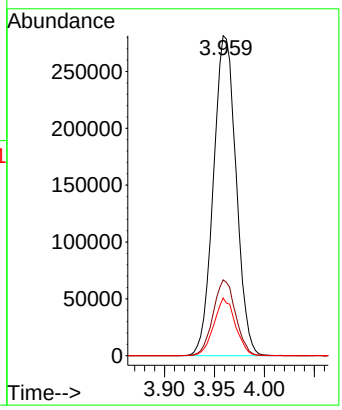


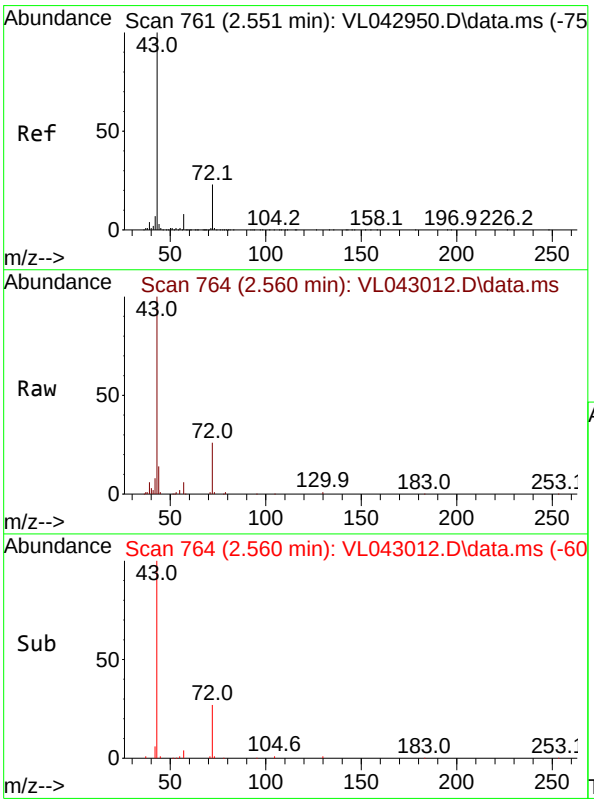
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:114 Resp: 445225

Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.4	29.2
88	17.1	14.2	21.2

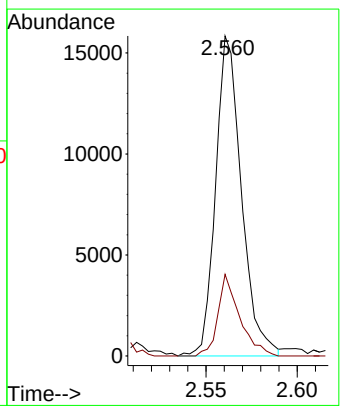


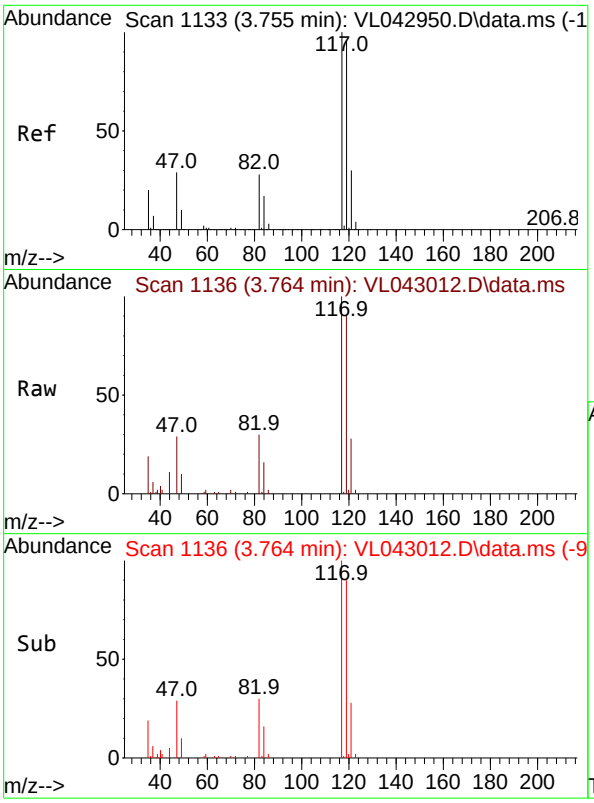


#34
2-Butanone
Concen: 0.500 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 43 Resp: 15595

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.7	26.5



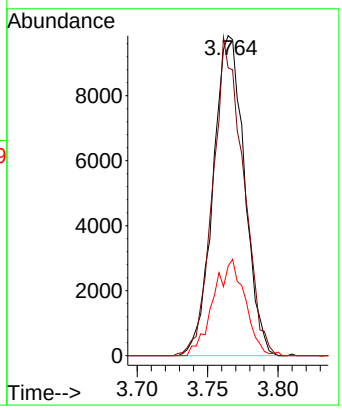


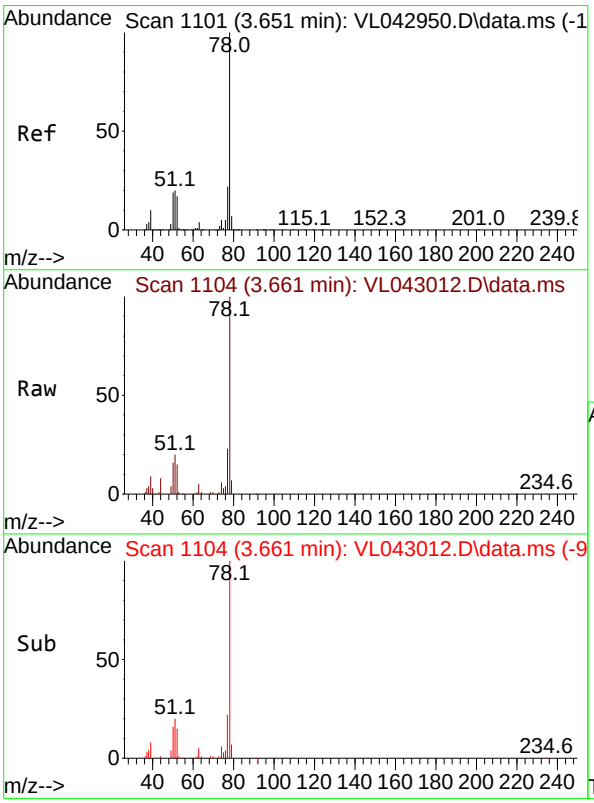
#35
Carbon Tetrachloride
Concen: 0.527 ppbv
RT: 3.764 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:117 Resp: 15279

Ion	Ratio	Lower	Upper
117	100		
119	90.0	76.9	115.3
121	27.9	23.7	35.5

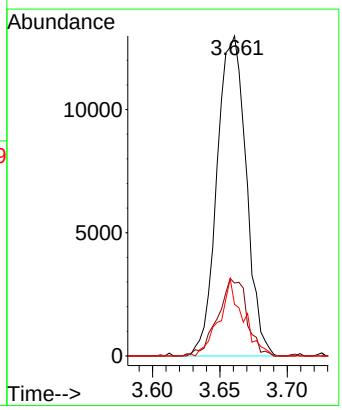


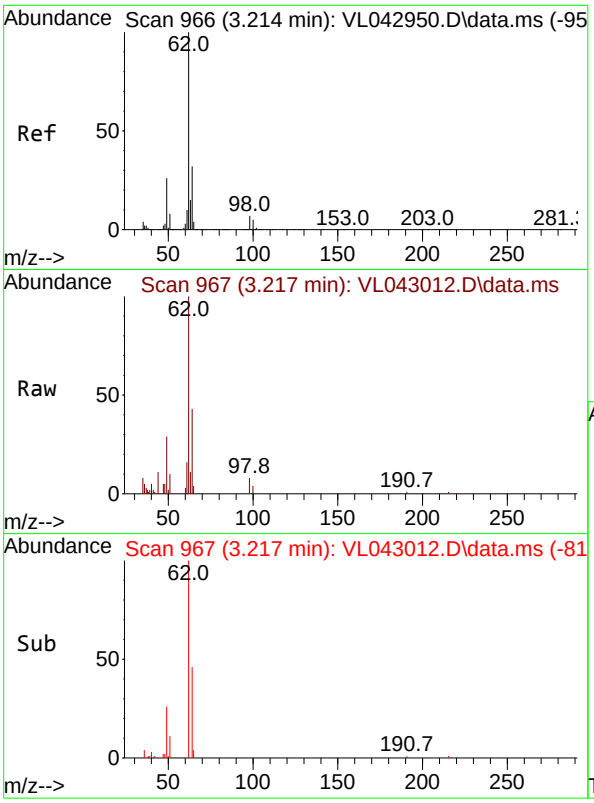


#36
Benzene
Concen: 0.468 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 78 Resp: 19561

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.8	26.6
50	16.2	15.0	22.4



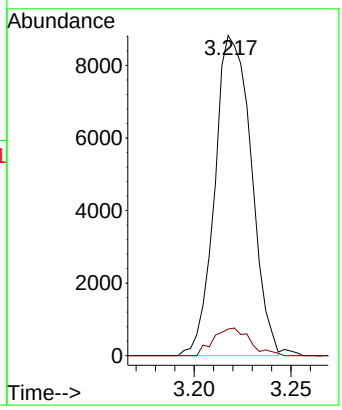


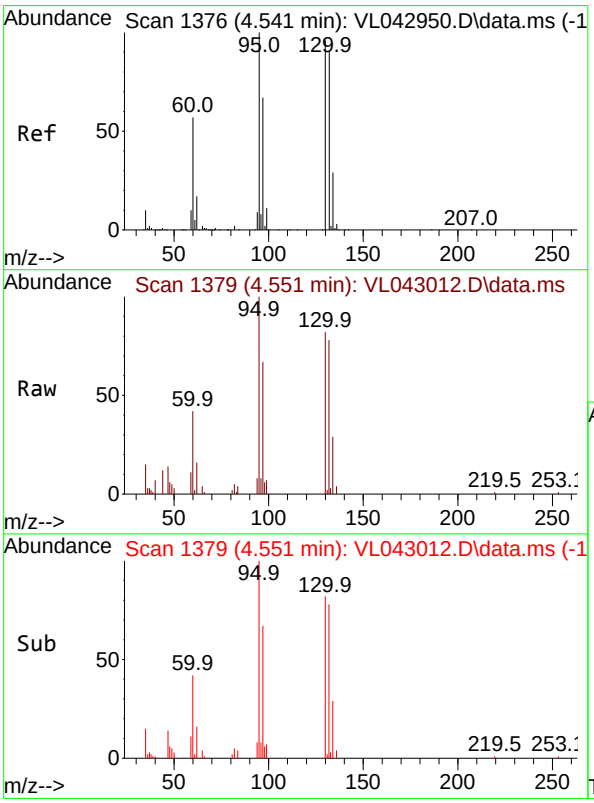
#37
1,2-Dichloroethane
Concen: 0.525 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 62 Resp: 11552

Ion	Ratio	Lower	Upper
62	100		
98	8.7	5.9	8.9

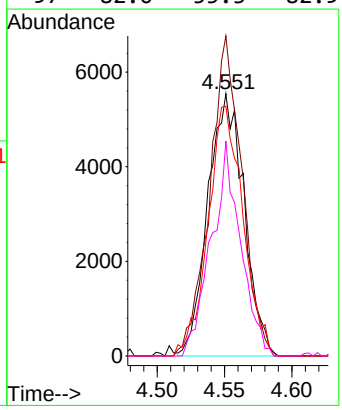


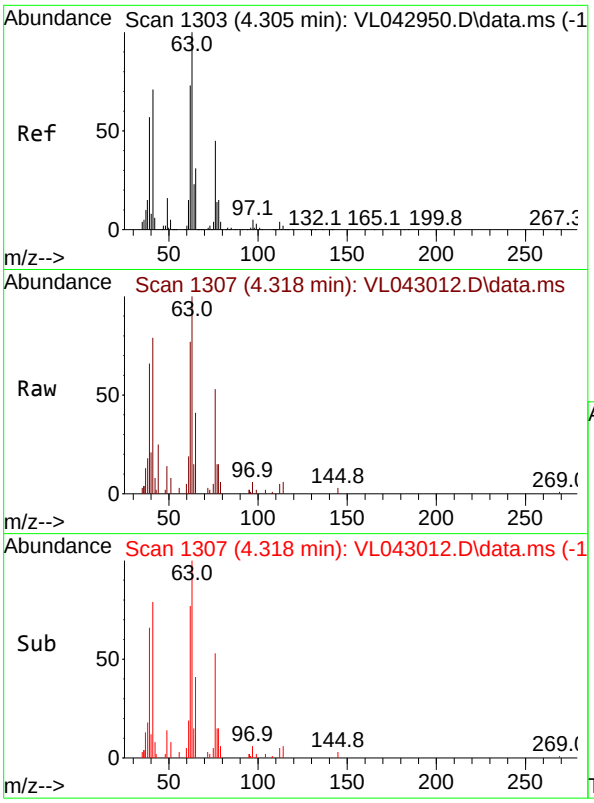


#38
Trichloroethene
Concen: 0.497 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:130 Resp: 10327

Ion	Ratio	Lower	Upper
130	100		
95	122.0	83.0	124.4
132	99.1	74.6	112.0
97	82.0	55.3	82.9



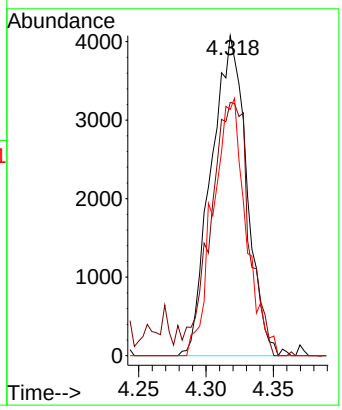


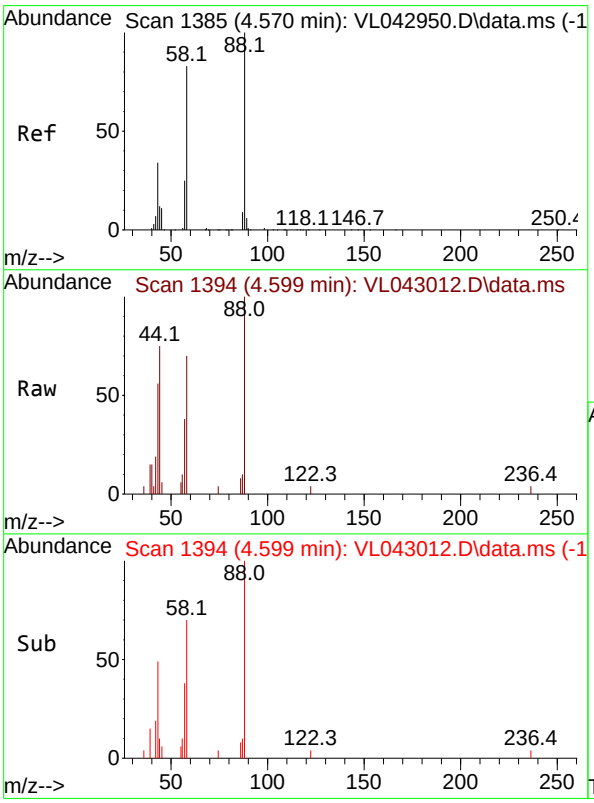
#39
1,2-Dichloropropane
Concen: 0.491 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 63 Resp: 7501

Ion	Ratio	Lower	Upper
63	100		
41	79.1	57.5	86.3
62	77.0	58.5	87.7

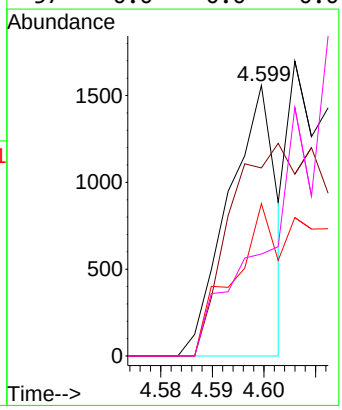


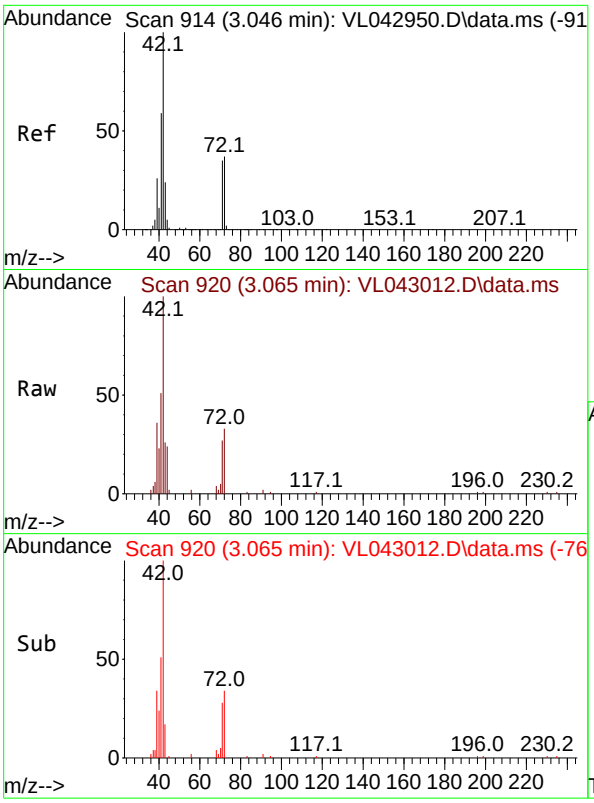


#40
1,4-Dioxane
Concen: 0.141 ppbv
RT: 4.599 min Scan# 1394
Delta R.T. 0.029 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 88 Resp: 1004

Ion	Ratio	Lower	Upper
88	100		
58	0.0	59.7	89.5#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



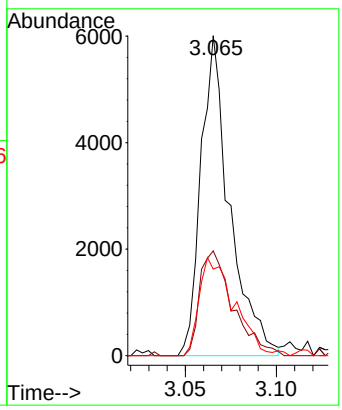


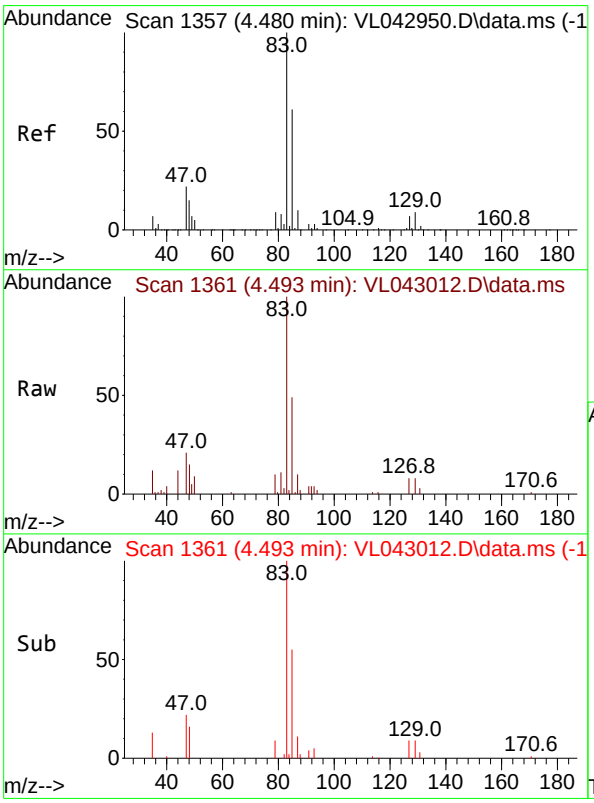
#41
Tetrahydrofuran
Concen: 0.368 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 42 Resp: 6606

Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.0	45.0
71	38.3	28.8	43.2

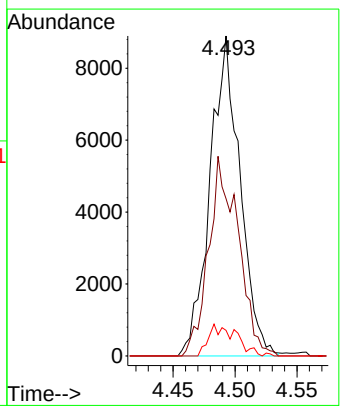


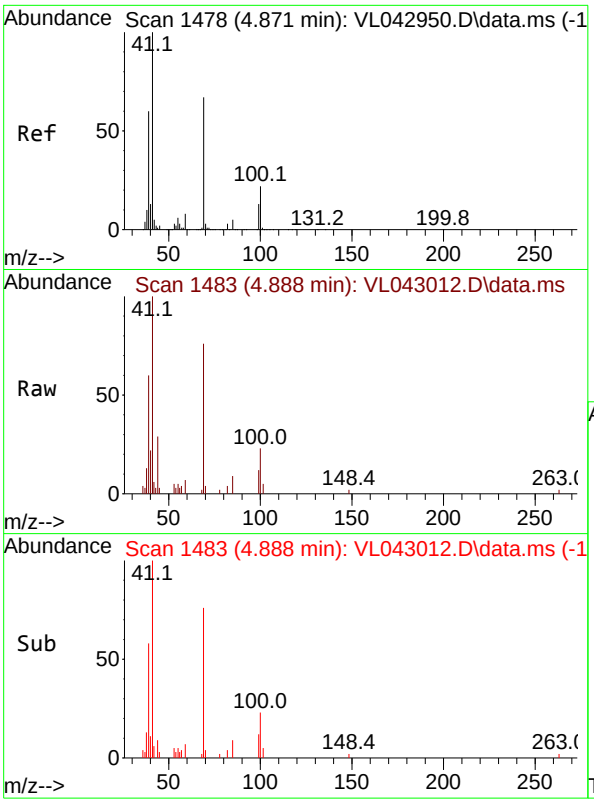


#42
Bromodichloromethane
Concen: 0.489 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 83 Resp: 14965

Ion	Ratio	Lower	Upper
83	100		
85	49.6	49.0	73.6
127	8.1	5.3	7.9#



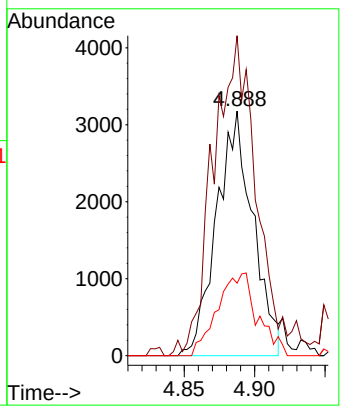


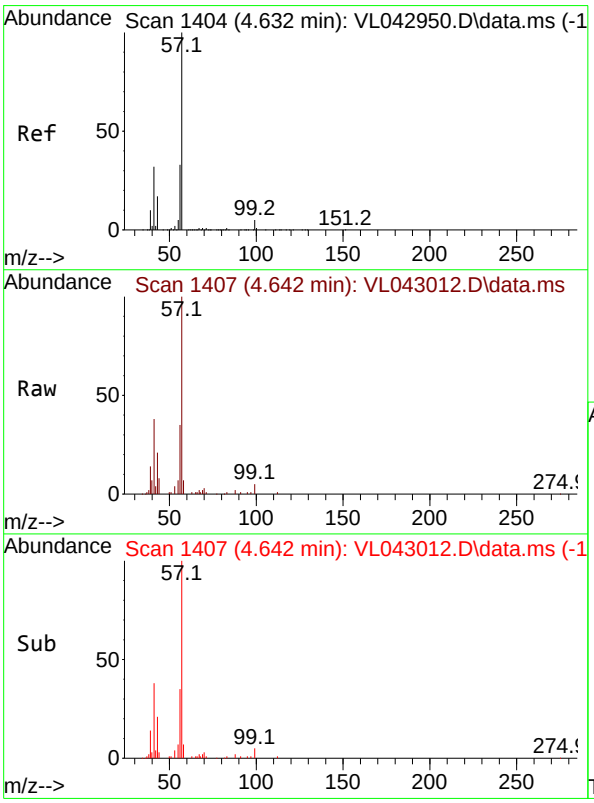
#43
Methyl Methacrylate
Concen: 0.334 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.016 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 69 Resp: 5717

Ion	Ratio	Lower	Upper
69	100		
41	158.8	124.5	186.7
100	37.2	29.0	43.6

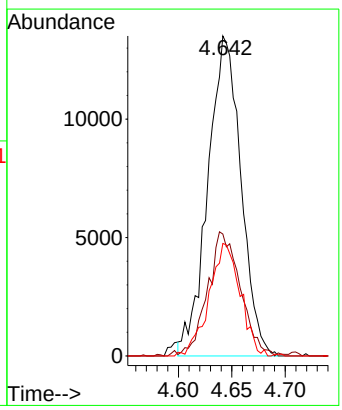


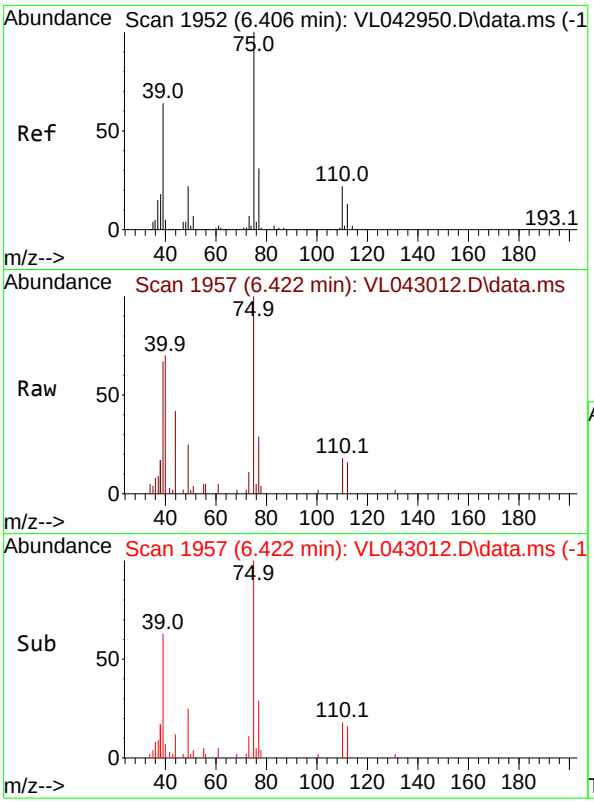


#44
2,2,4-Trimethylpentane
Concen: 0.403 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 57 Resp: 29134

Ion	Ratio	Lower	Upper
57	100		
41	39.1	25.5	38.3#
56	33.2	25.8	38.8



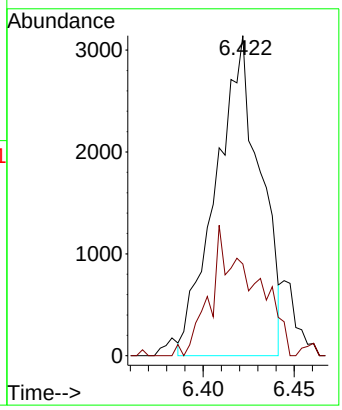


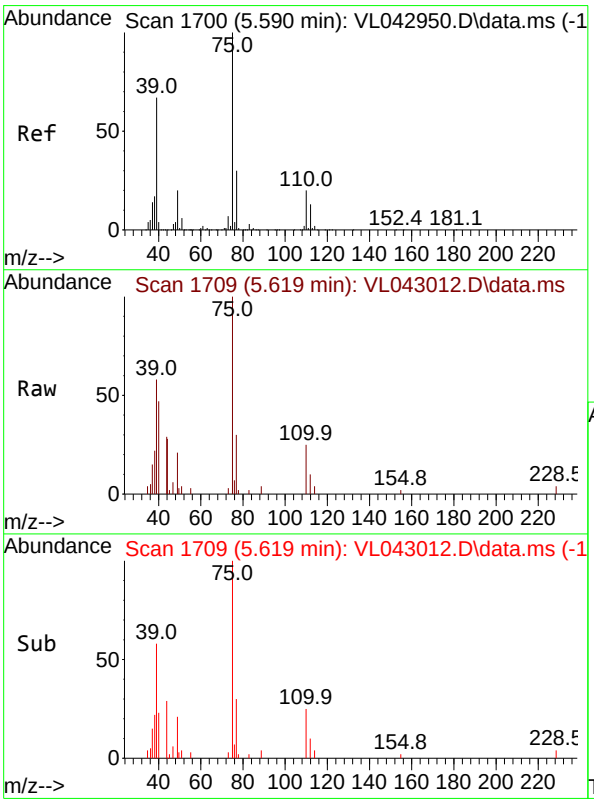
#45
t-1,3-Dichloropropene
Concen: 0.291 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 75 Resp: 5307

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

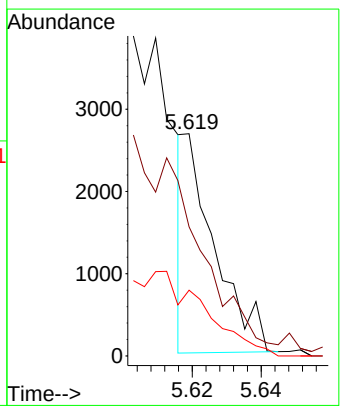


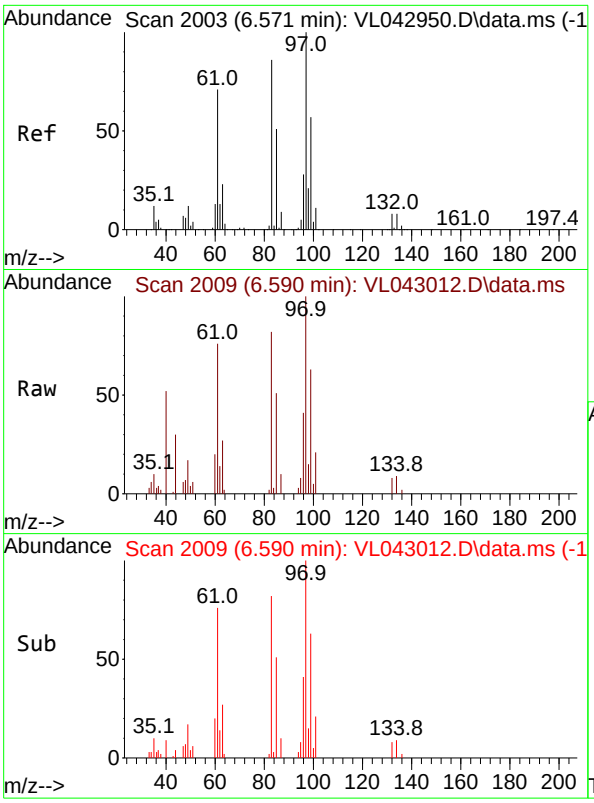


#46
cis-1,3-Dichloropropene
Concen: 0.071 ppbv
RT: 5.619 min Scan# 1709
Delta R.T. 0.029 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 75 Resp: 1653

Ion	Ratio	Lower	Upper
75	100		
39	54.1	53.8	80.6
77	30.1	23.6	35.4



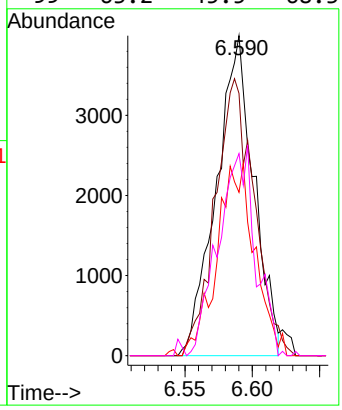


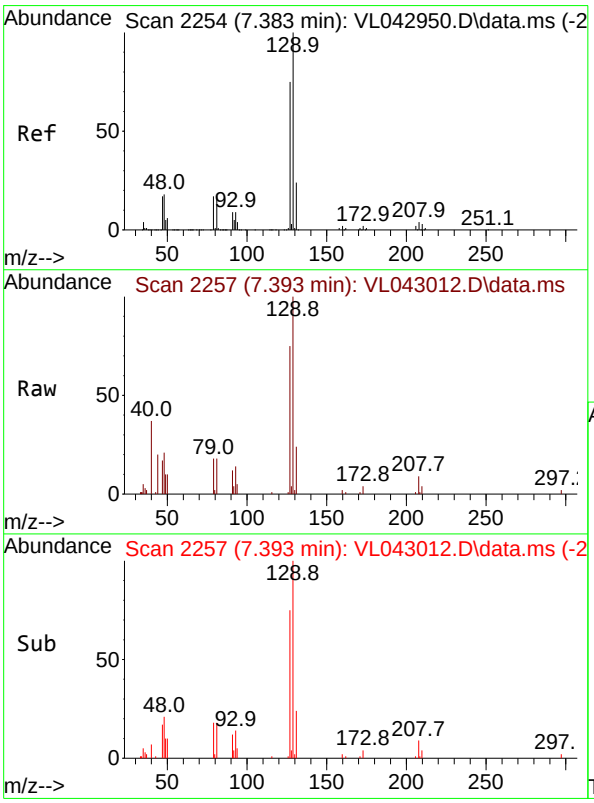
#47
1,1,2-Trichloroethane
Concen: 0.480 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 97 Resp: 7742

Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.7	103.1
85	51.0	40.6	60.8
99	63.2	45.5	68.3

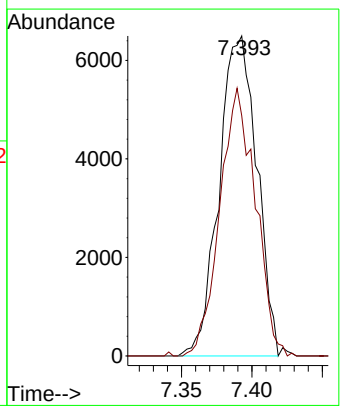


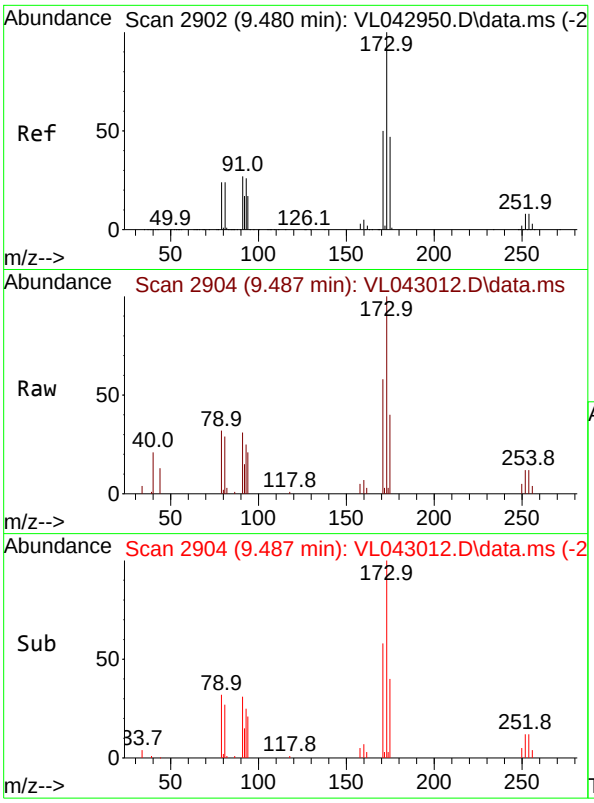


#48
Dibromochloromethane
Concen: 0.469 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:129 Resp: 12112

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.1	117.2



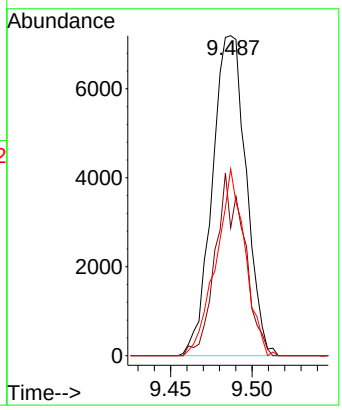


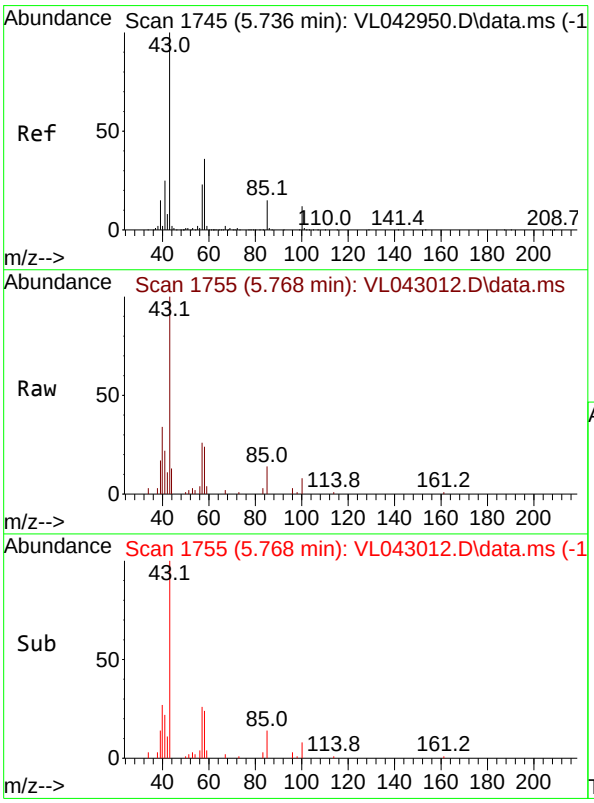
#49
Bromoform
Concen: 0.463 ppbv
RT: 9.487 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:173 Resp: 10384

Ion	Ratio	Lower	Upper
173	100		
175	48.8	37.9	56.9
171	50.0	41.1	61.7

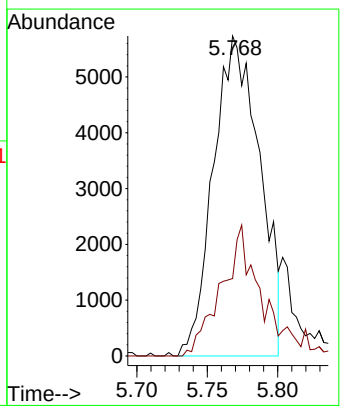


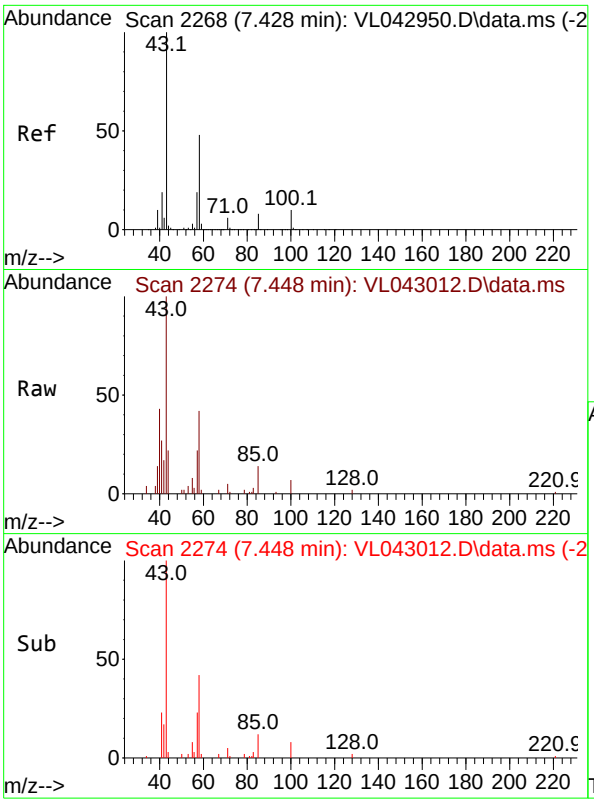


#50
4-Methyl-2-Pentanone
Concen: 0.314 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.032 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 43 Resp: 13125

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.4	42.6



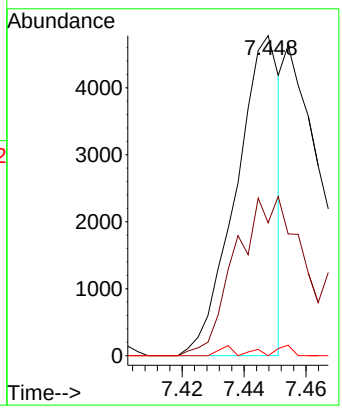


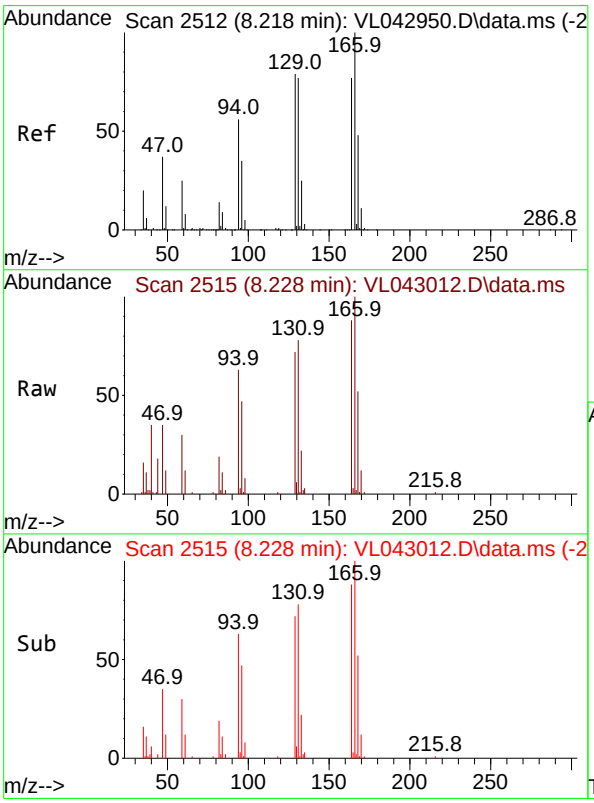
#51
2-Hexanone
Concen: 0.140 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 4655

Ion	Ratio	Lower	Upper
43	100		
58	99.9	39.7	59.5#
98	2.7	0.1	0.1#

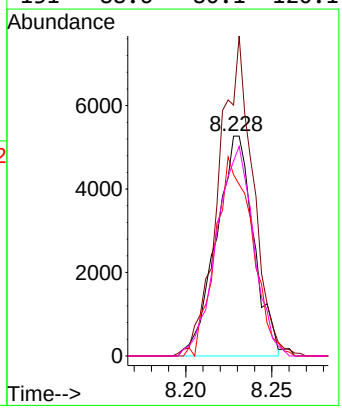


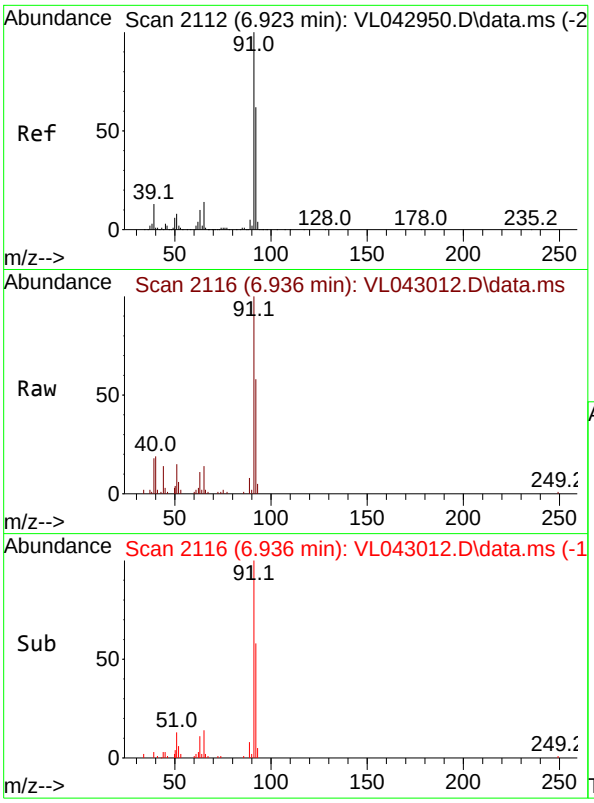


#52
Tetrachloroethene
Concen: 0.492 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:164 Resp: 7960

Ion	Ratio	Lower	Upper
164	100		
166	112.9	103.5	155.3
129	82.5	82.2	123.4
131	88.6	80.1	120.1



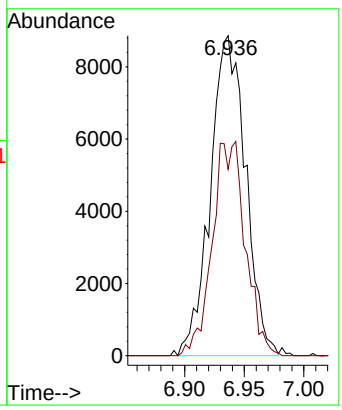


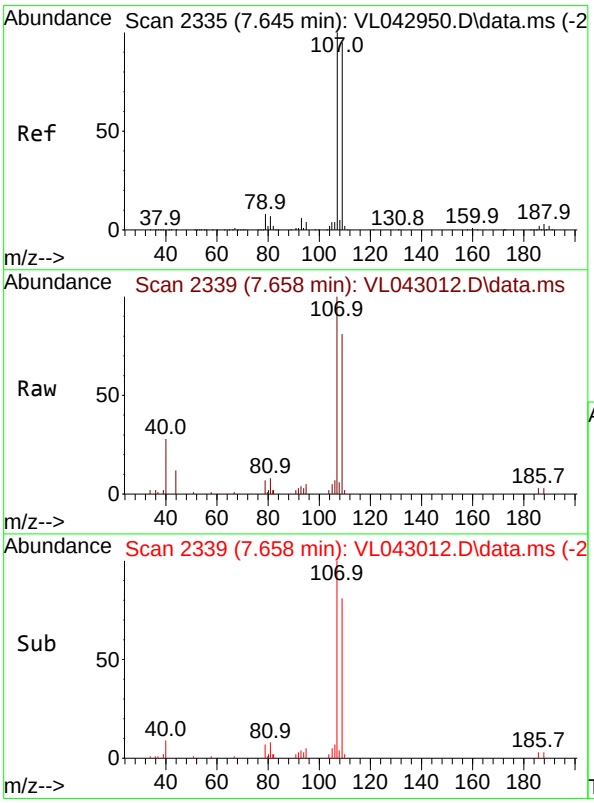
#53
Toluene
Concen: 0.368 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 18218

Ion	Ratio	Lower	Upper
91	100		
92	62.7	48.2	72.2

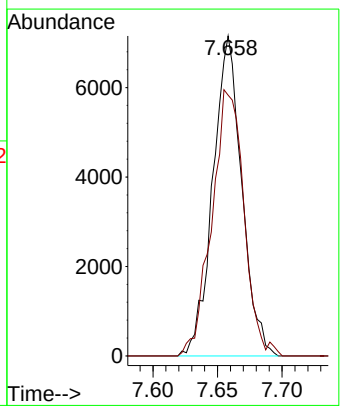


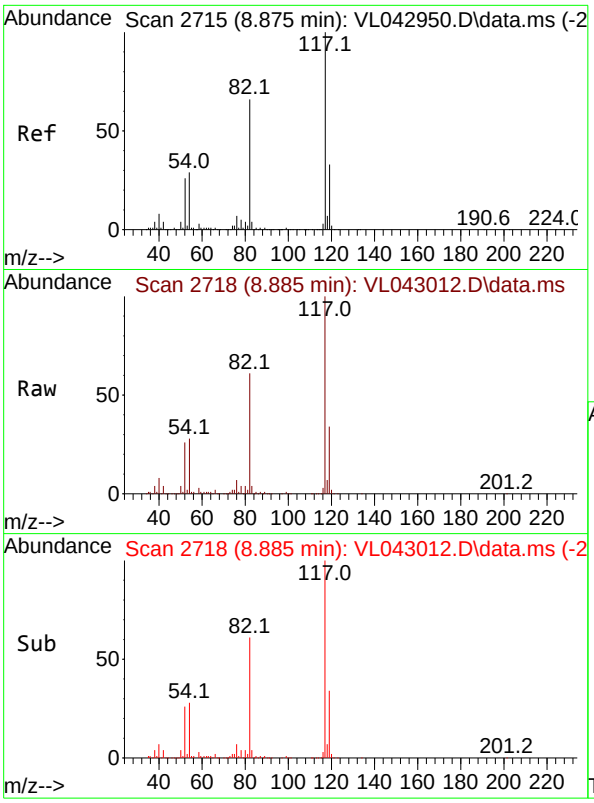


#54
1,2-Dibromoethane
Concen: 0.490 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:107 Resp: 11127

Ion	Ratio	Lower	Upper
107	100		
109	81.5	75.8	113.8



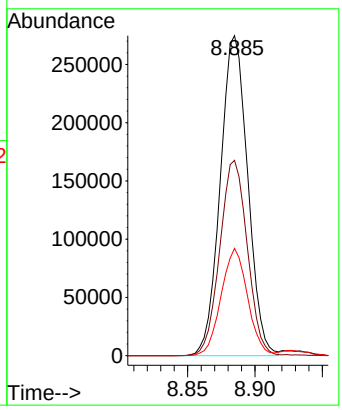


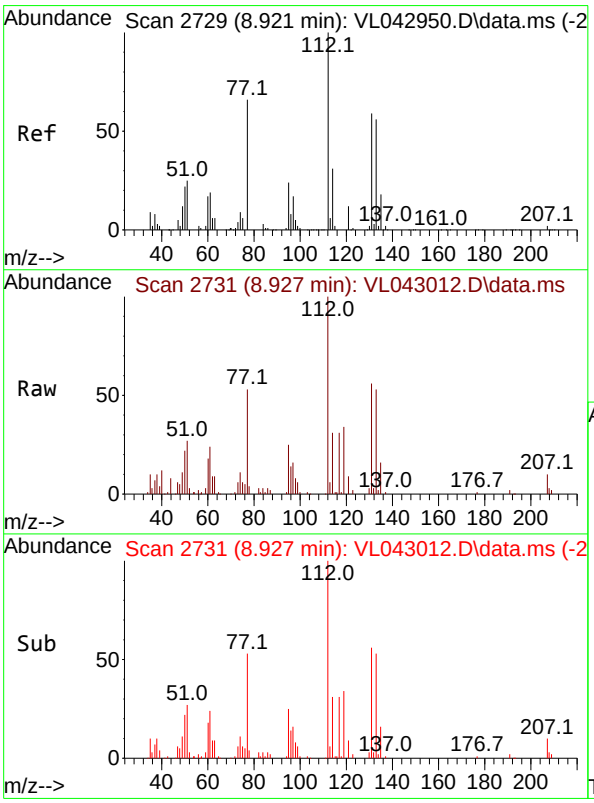
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:117 Resp: 389299

Ion	Ratio	Lower	Upper
117	100		
82	61.4	52.8	79.2
119	34.1	26.5	39.7

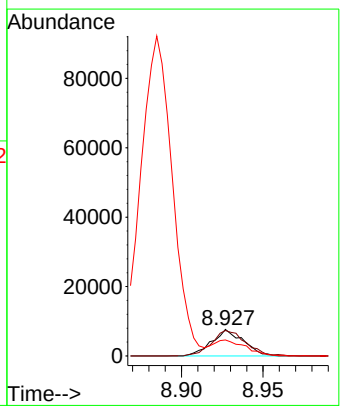


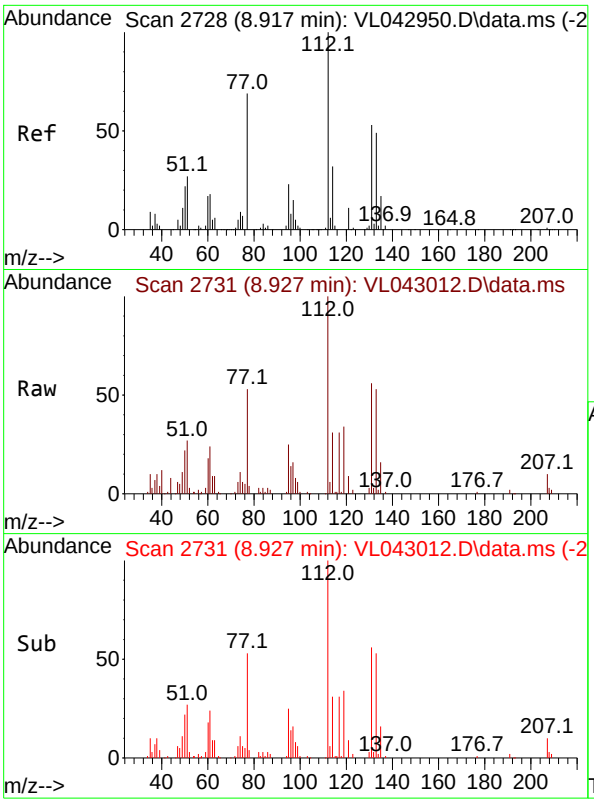


#56
1,1,1,2-Tetrachloroethane
Concen: 0.551 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:131 Resp: 10275

Ion	Ratio	Lower	Upper
131	100		
133	103.6	76.6	114.8
119	1290.6	49.9	74.9#



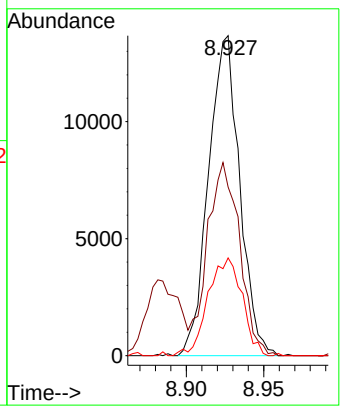


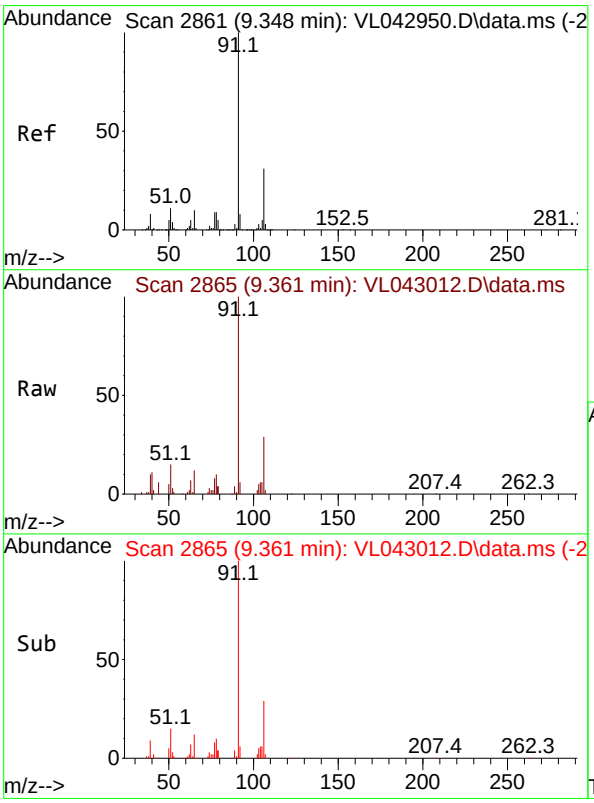
#57
Chlorobenzene
Concen: 0.538 ppbv
RT: 8.927 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:112 Resp: 19134

Ion	Ratio	Lower	Upper
112	100		
77	52.7	55.7	83.5#
114	29.9	28.6	35.0

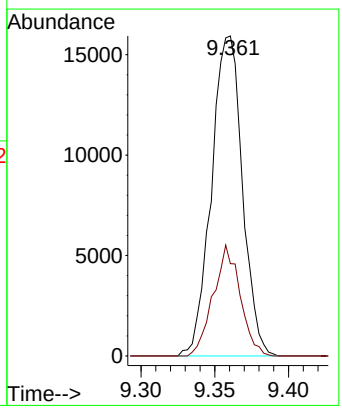


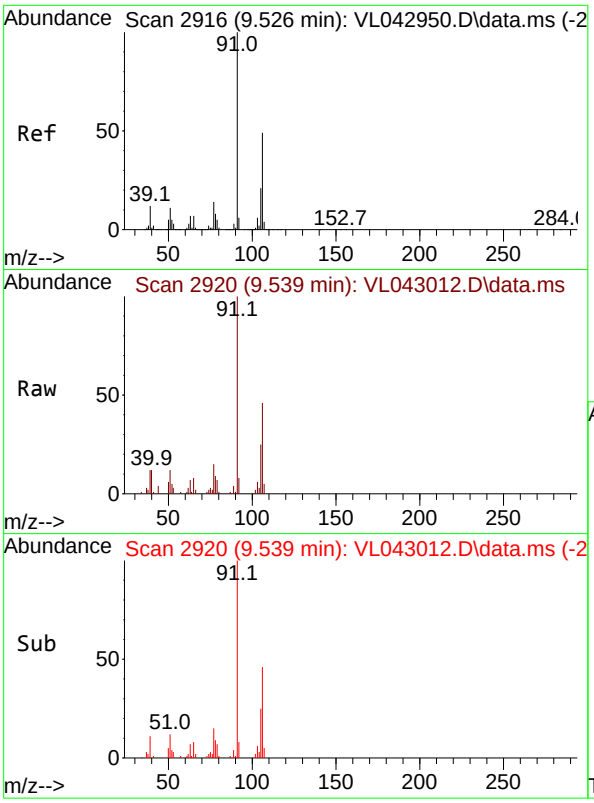


#58
Ethyl Benzene
Concen: 0.364 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 91 Resp: 23254

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.6	37.0



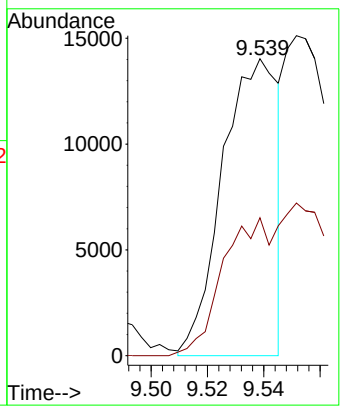


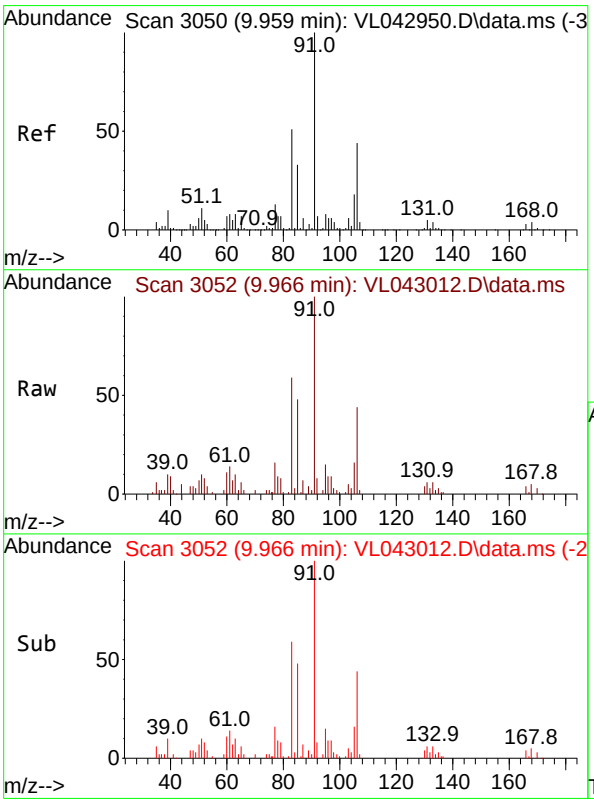
#59
m/p-Xylene
Concen: 0.381 ppbv
RT: 9.539 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 19183

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

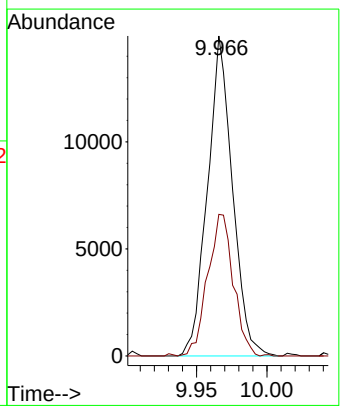


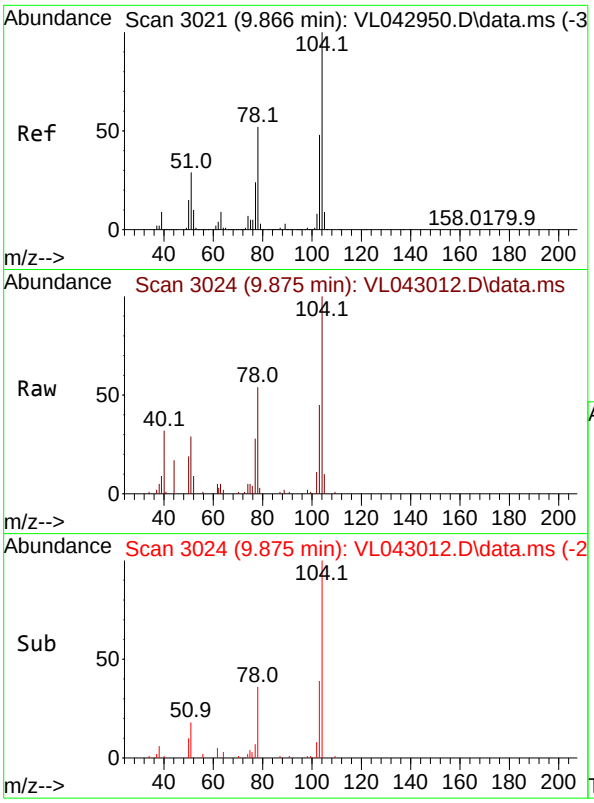


#60
o-Xylene
Concen: 0.366 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 91 Resp: 18428

Ion	Ratio	Lower	Upper
91	100		
106	45.8	22.4	67.0



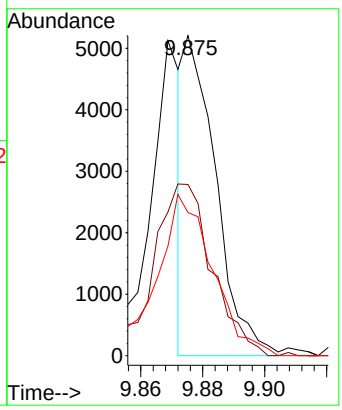


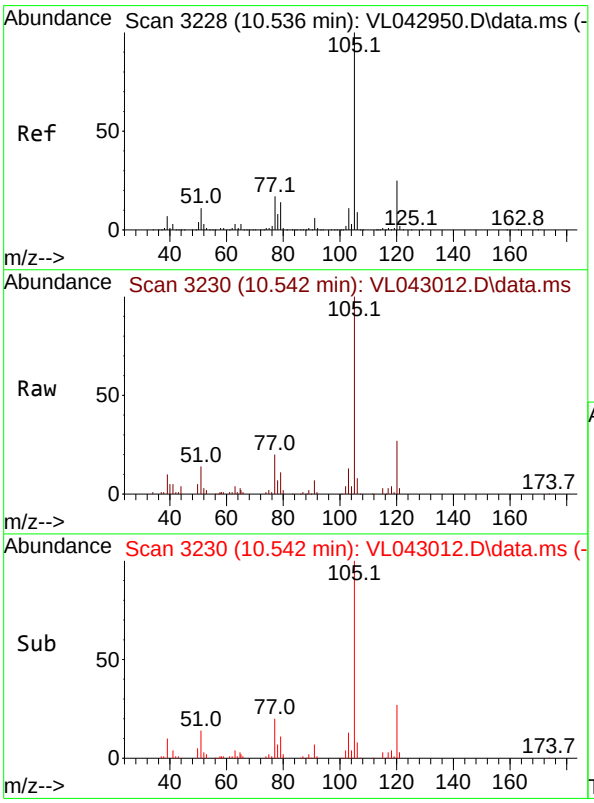
#61
Styrene
Concen: 0.157 ppbv
RT: 9.875 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:104 Resp: 3740

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.9	59.9#
103	0.0	36.9	55.3#

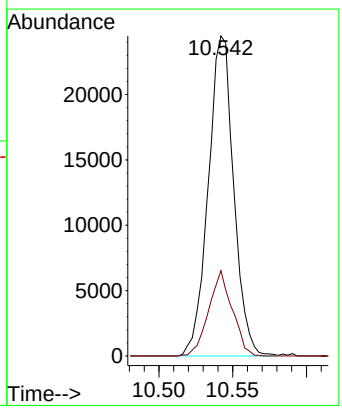


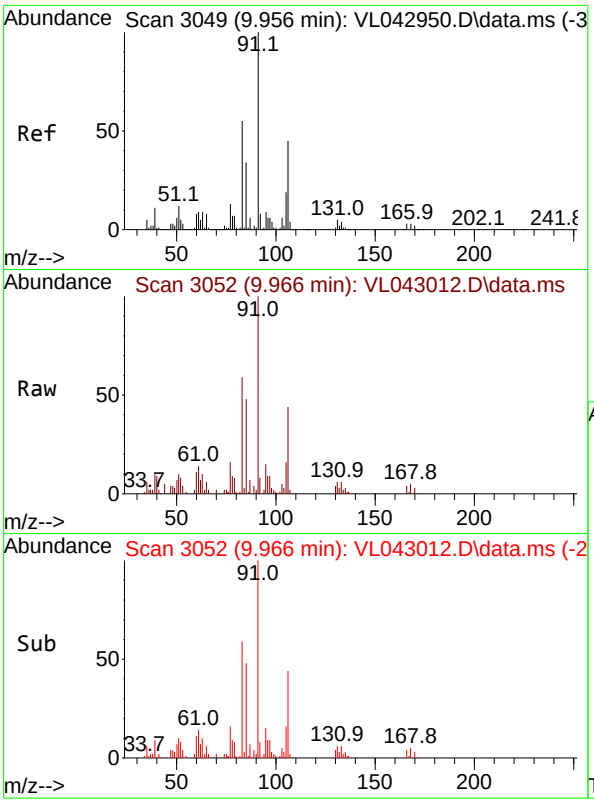


#62
Isopropylbenzene
Concen: 0.392 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:105 Resp: 29403

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.6	30.8



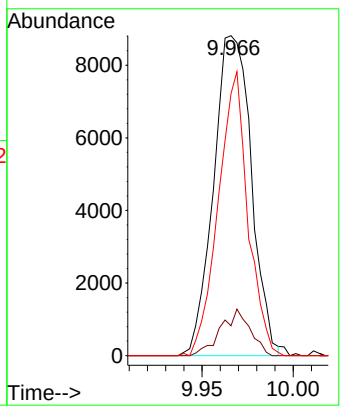


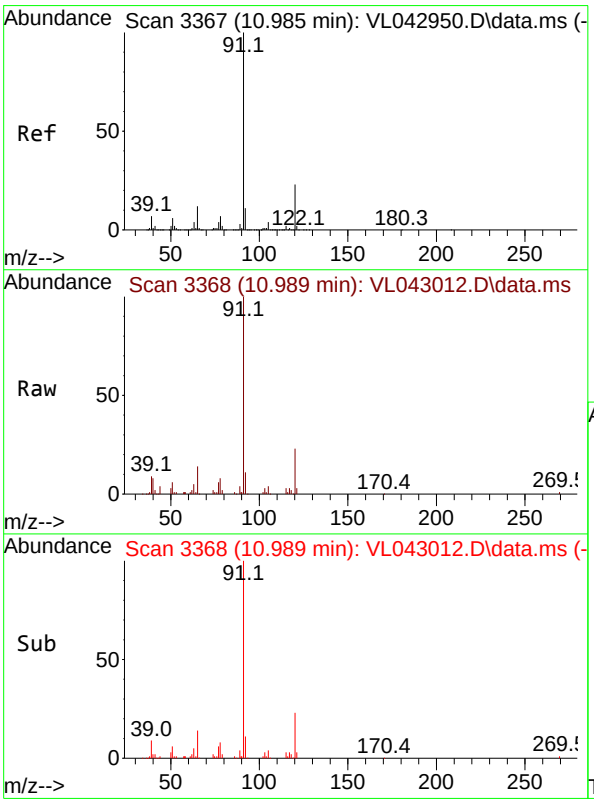
#63
1,1,2,2-Tetrachloroethane
Concen: 0.481 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 12735

Ion	Ratio	Lower	Upper
83	100		
131	11.4	4.8	14.4
85	69.5	32.2	96.6

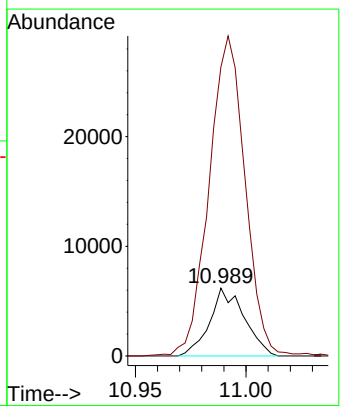


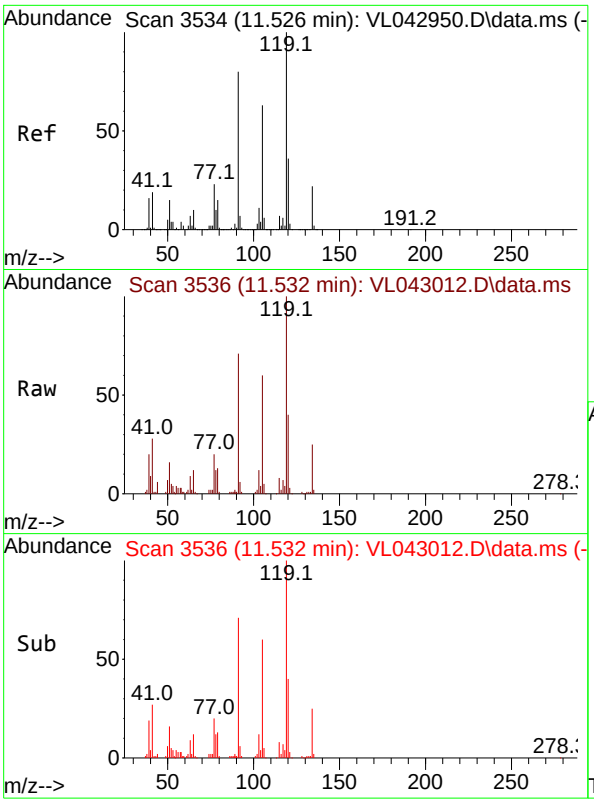


#64
n-propylbenzene
Concen: 0.343 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:120 Resp: 6732

Ion	Ratio	Lower	Upper
120	100		
91	491.5	364.9	547.3



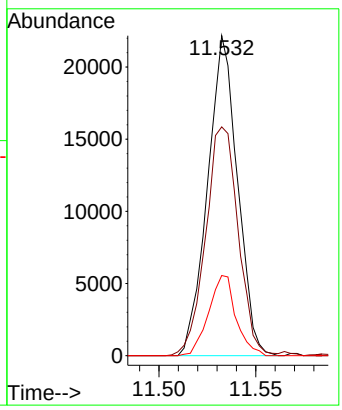


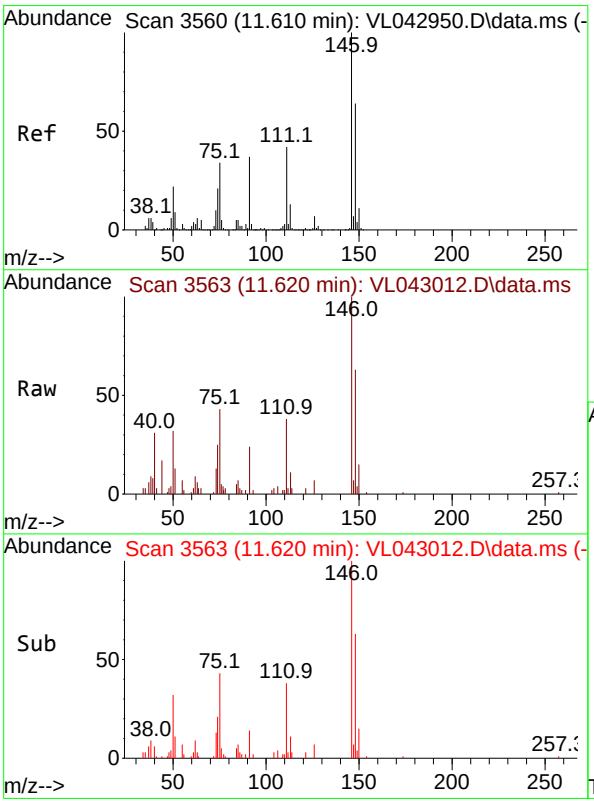
#65
tert-Butylbenzene
Concen: 0.357 ppbv
RT: 11.532 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:119 Resp: 23827

Ion	Ratio	Lower	Upper
119	100		
91	78.6	63.1	94.7
134	22.9	17.0	25.6

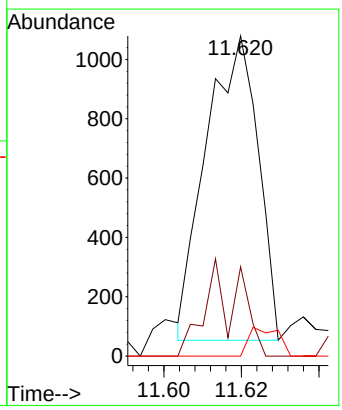


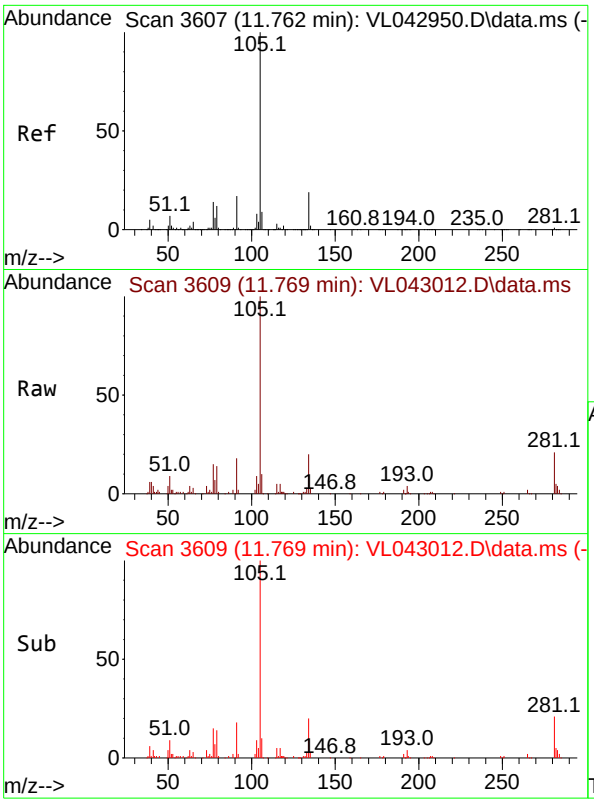


#66
Benzyl Chloride
Concen: 0.136 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 91 Resp: 951

Ion	Ratio	Lower	Upper
91	100		
126	20.6	14.6	21.8
128	5.4	5.0	7.4



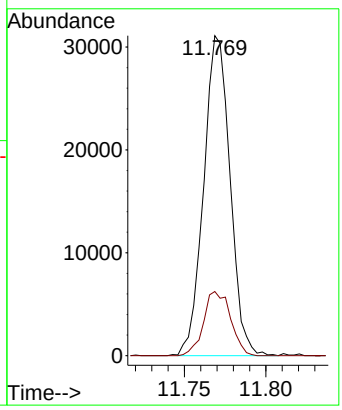


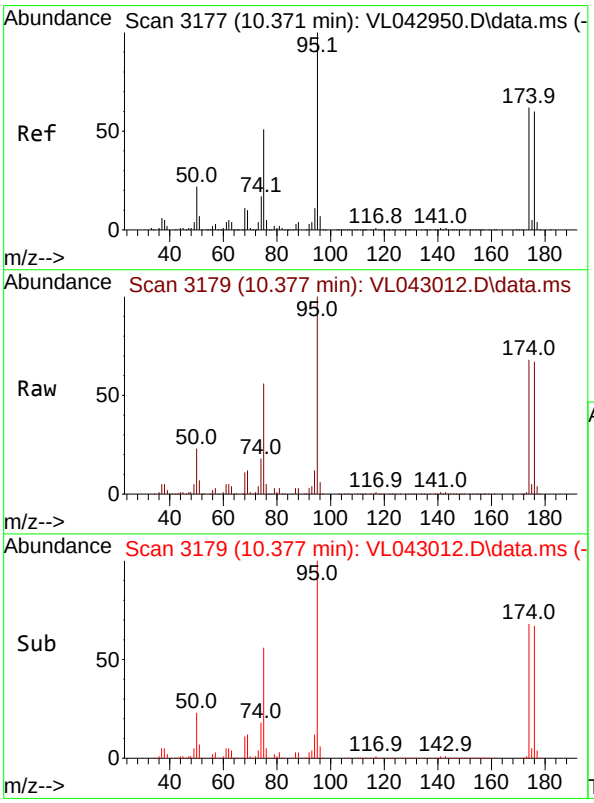
#67
sec-Butylbenzene
Concen: 0.376 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 34976

Ion	Ratio	Lower	Upper
105	100		
134	20.6	15.7	23.5

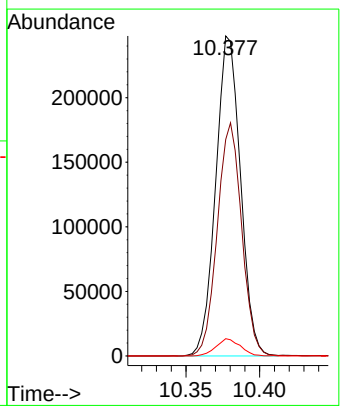


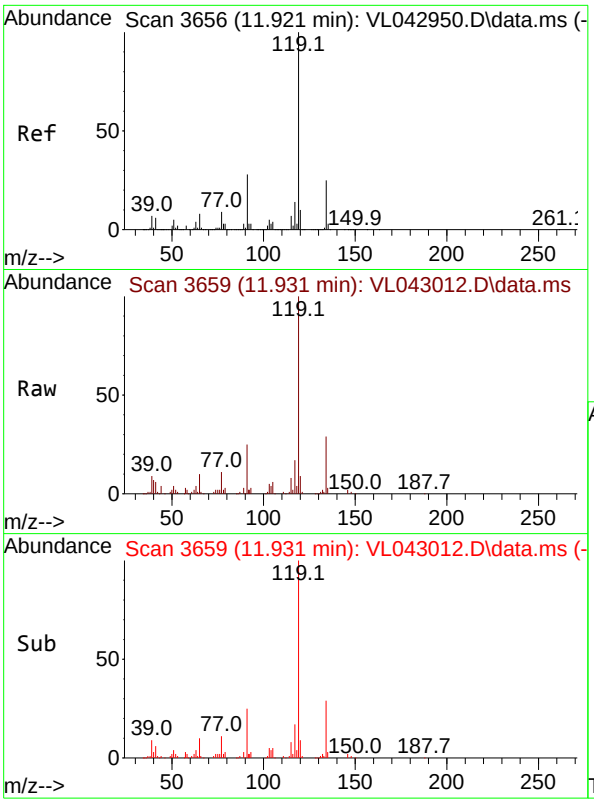


#68
1-Bromo-4-Fluorobenzene
Concen: 9.963 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 95 Resp: 289536

Ion	Ratio	Lower	Upper
95	100		
174	72.0	51.4	77.2
175	5.3	4.0	6.0



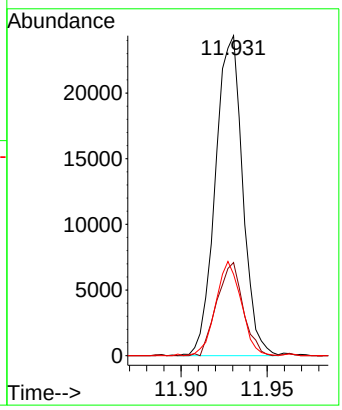


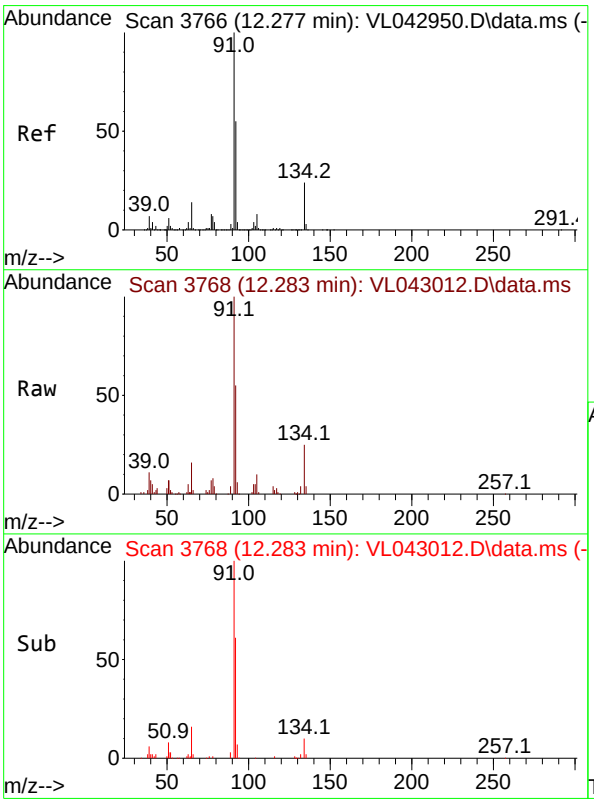
#69
p-Isopropyltoluene
Concen: 0.342 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:119 Resp: 26856

Ion	Ratio	Lower	Upper
119	100		
134	28.4	21.0	31.4
91	28.0	22.3	33.5

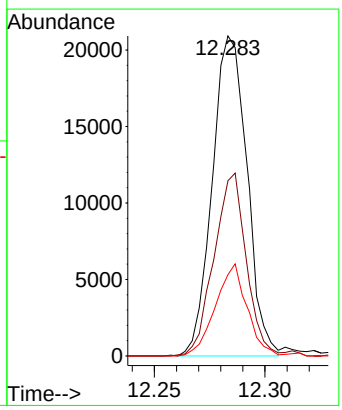


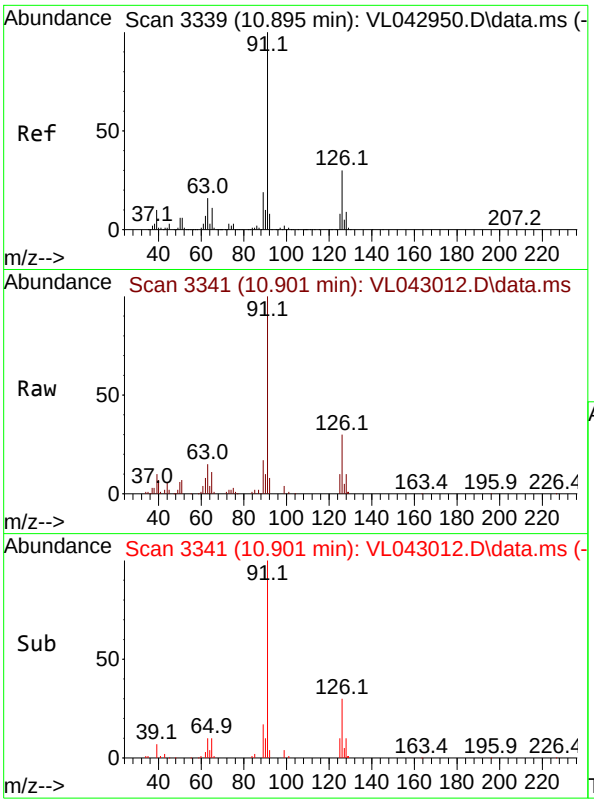


#70
n-Butylbenzene
Concen: 0.298 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 91 Resp: 22840

Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.0	66.0
134	26.5	19.4	29.2



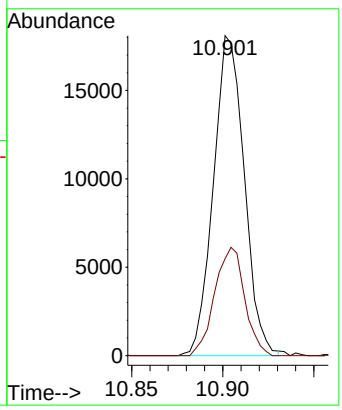


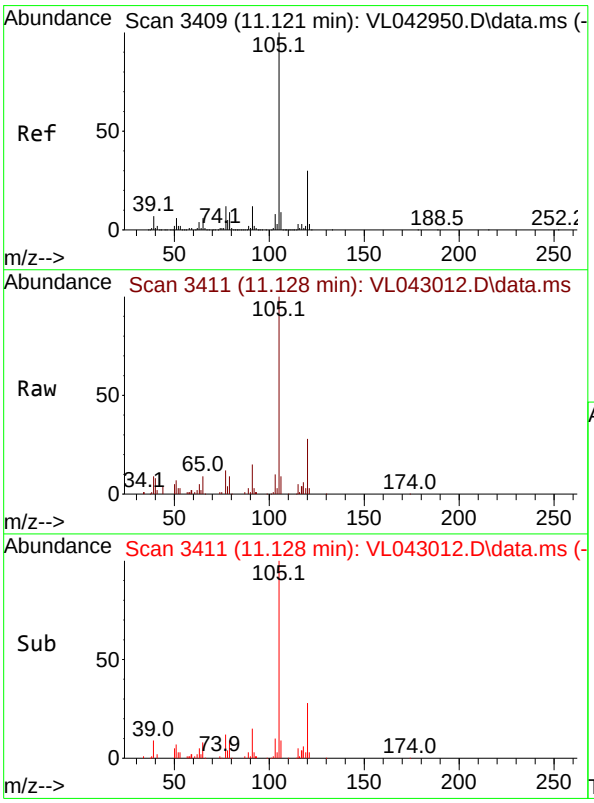
#71
2-Chlorotoluene
Concen: 0.376 ppbv
RT: 10.901 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 21288

Ion	Ratio	Lower	Upper
91	100		
126	32.9	12.3	49.3

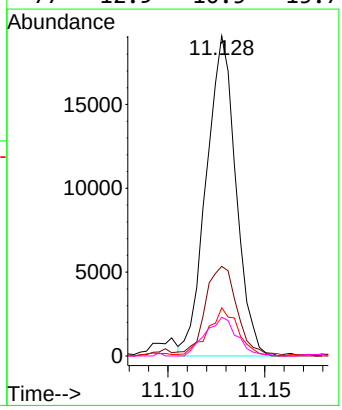


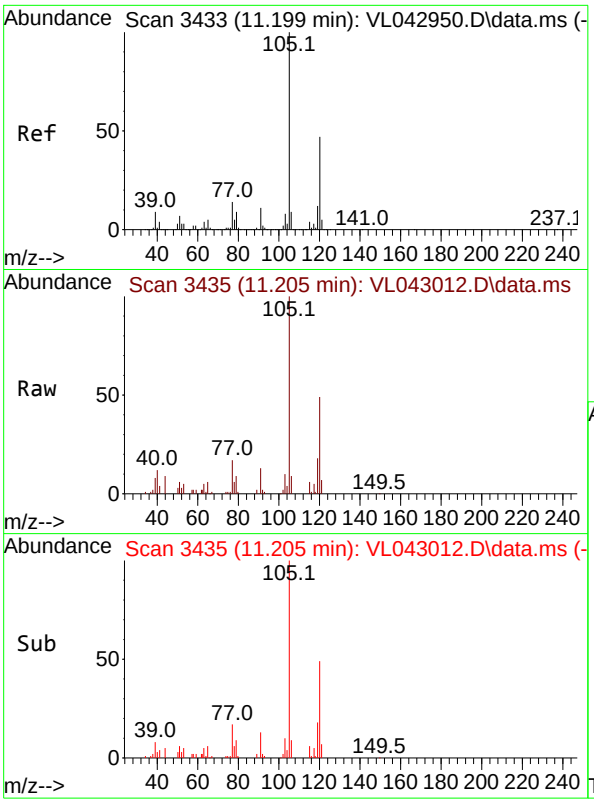


#72
4-Ethyltoluene
Concen: 0.322 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:105 Resp: 20287

Ion	Ratio	Lower	Upper
105	100		
120	31.3	24.2	36.2
91	16.5	10.0	15.0#
77	12.9	10.5	15.7



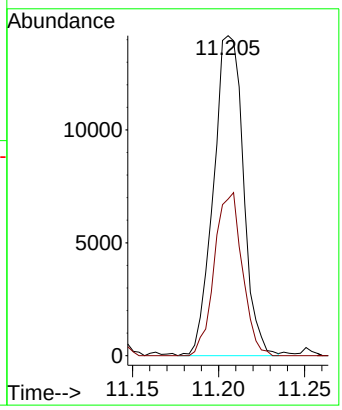


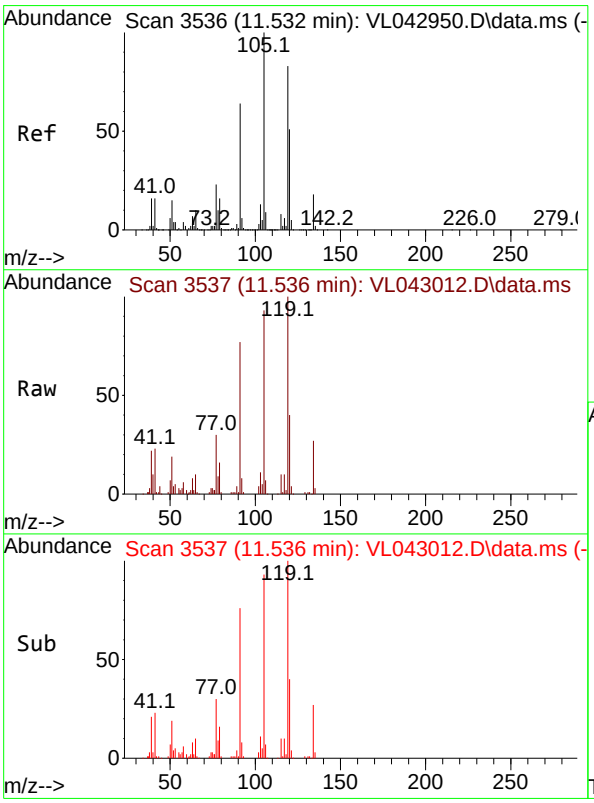
#73
1,3,5-Trimethylbenzene
Concen: 0.335 ppbv
RT: 11.205 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 17122

Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.0	57.0

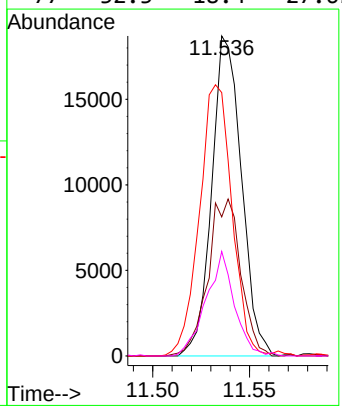


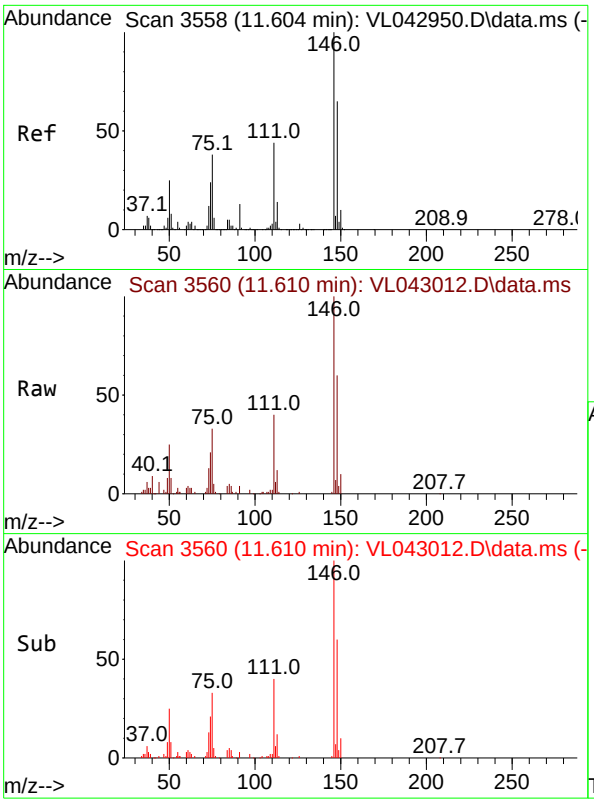


#74
1,2,4-Trimethylbenzene
Concen: 0.353 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:105 Resp: 19950

Ion	Ratio	Lower	Upper
105	100		
120	43.5	40.9	61.3
91	80.8	51.2	76.8#
77	32.3	18.4	27.6#



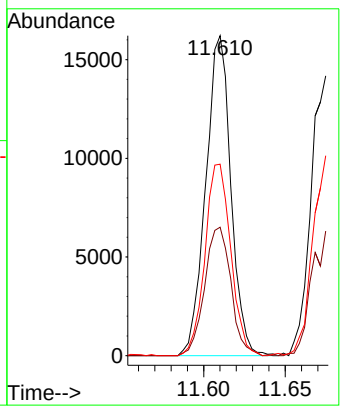


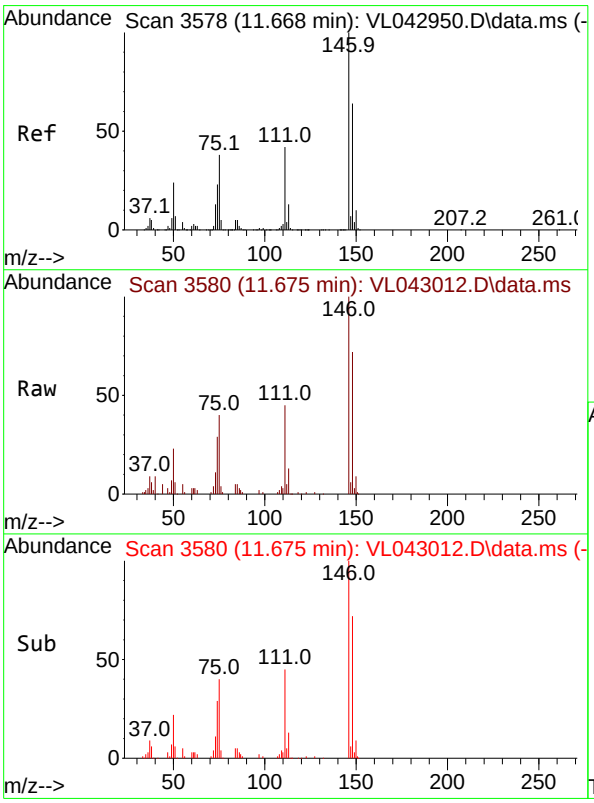
#75
1,3-Dichlorobenzene
Concen: 0.497 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:146 Resp: 17400

Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.3	66.9
148	61.6	31.9	95.5

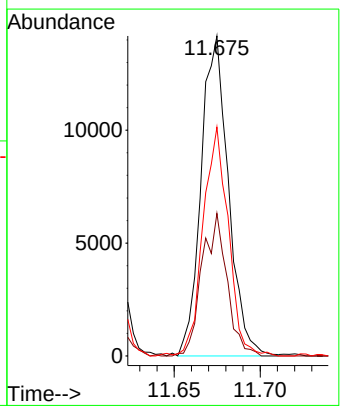


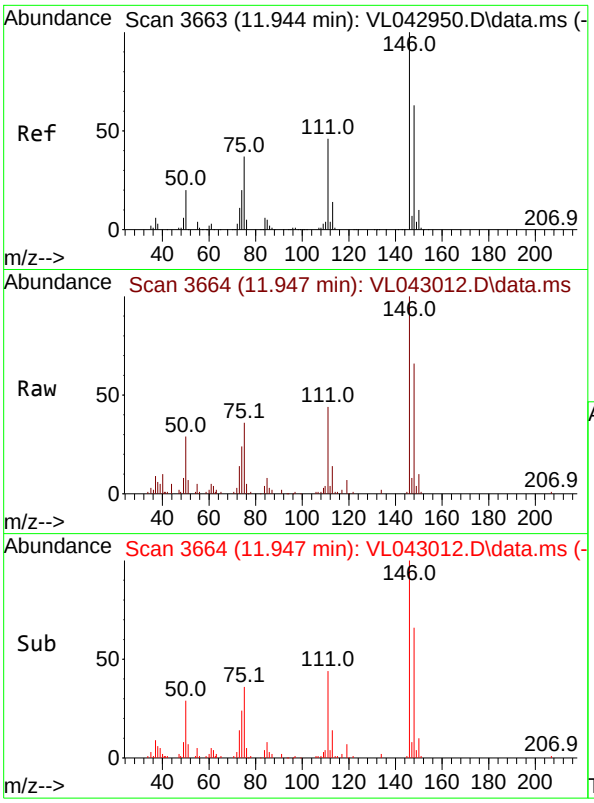


#76
1,4-Dichlorobenzene
Concen: 0.451 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:146 Resp: 15681

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.5	64.5
148	66.7	31.9	95.5



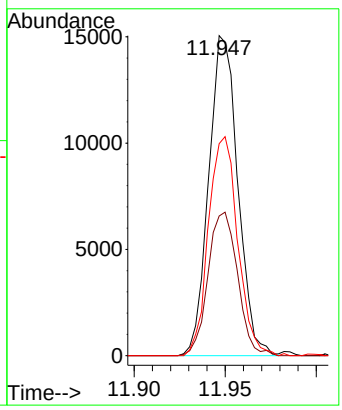


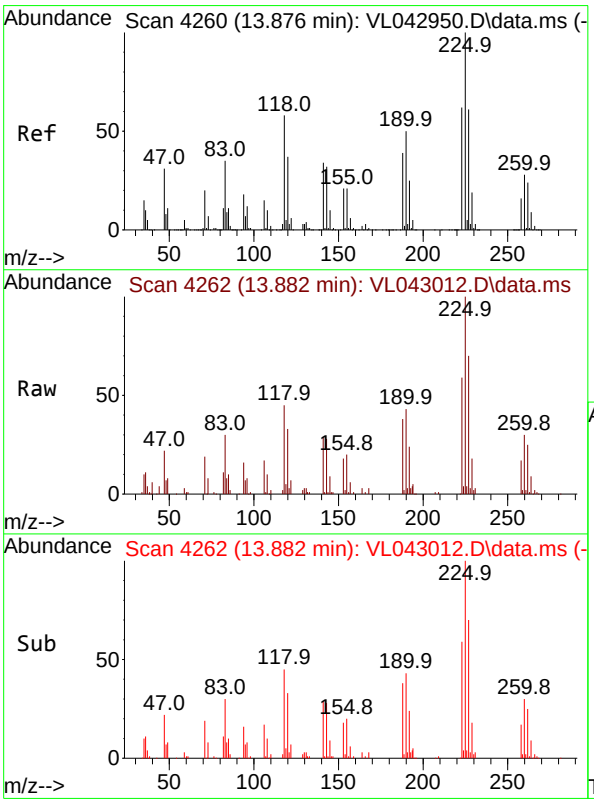
#77
1,2-Dichlorobenzene
Concen: 0.502 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:146 Resp: 16736

Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.1	69.3
148	68.9	32.0	96.0

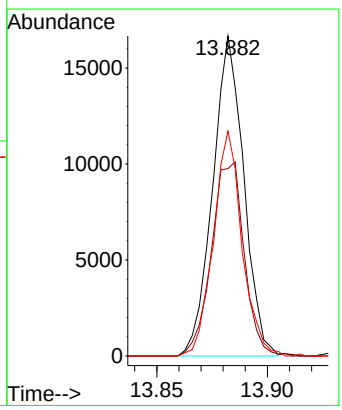


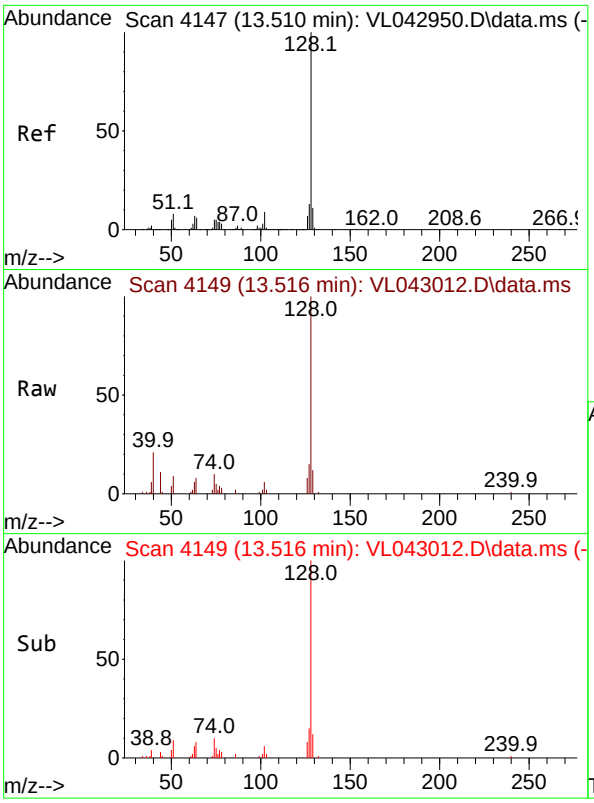


#78
Hexachloro-1,3-Butadiene
Concen: 0.624 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:225 Resp: 16280

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.1	75.1
227	64.9	50.4	75.6



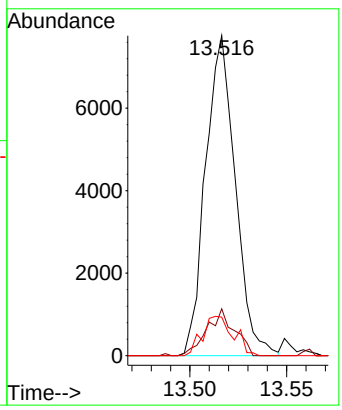


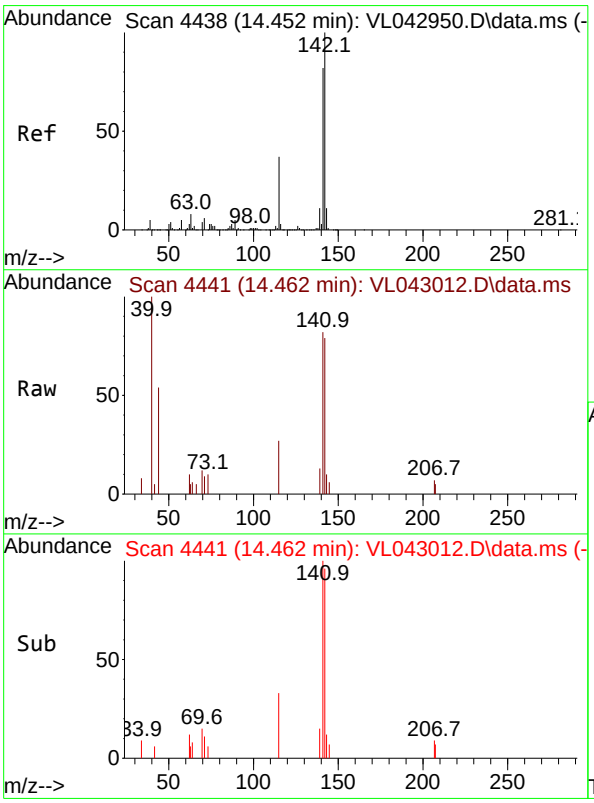
#79
Naphthalene
Concen: 0.166 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:128 Resp: 8304

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.6	15.8
129	12.0	9.0	13.6

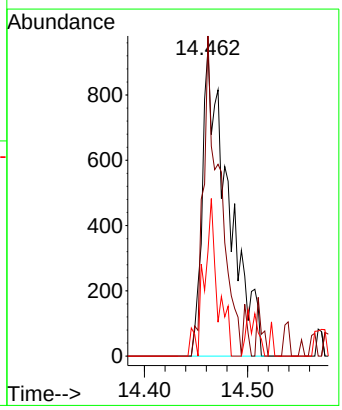


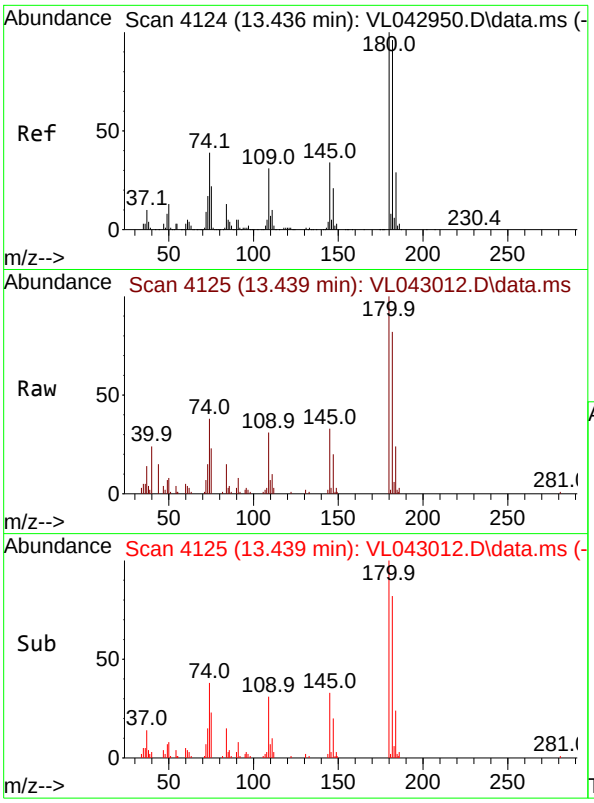


#80
Naphthalene,2-methyl-
Concen: 0.107 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:142 Resp: 1647

Ion	Ratio	Lower	Upper
142	100		
141	72.3	65.1	97.7
115	26.9	28.9	43.3#





#81
1,2,4-Trichlorobenzene
Concen: 0.227 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

Tgt Ion:180 Resp: 6057

Ion	Ratio	Lower	Upper
180	100		
182	110.0	75.7	113.5
184	30.1	23.9	35.9