Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
Data File : VL043152.D
Acq On : 04 Nov 2025 12:59
Operator : SY/MD
Sample : Q3530-13 0.03 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:31:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.790	49	113638	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	346779	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	298519	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	225526	9.720	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	705	0.044	ppbv #	81
3) Chlorodifluoromethane	1.476	51	660	0.038	ppbv #	80
4) Chloromethane	1.534	50	396	0.062	ppbv #	87
5) Vinyl Chloride	1.583	62	255	0.041	ppbv #	64
6) Bromomethane	1.670	94	324	0.094	ppbv #	79
7) Chloroethane	1.706	64	133	0.052	ppbv #	42
8) Dichlorotetrafluoroethane	1.557	85	541	0.041	ppbv	86
9) Propene	1.489	41	248	0.032	ppbv #	1
11) Trichlorofluoromethane	1.881	101	622	0.039	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.143	101	737	0.058	ppbv #	67
13) Ethanol	1.861	45	325	0.113	ppbv #	38
14) Bromoethene	1.787	108	219	0.046	ppbv #	34
15) Acetone	1.839	43	2535	0.166	ppbv #	89
16) 1,3-Butadiene	1.615	39	390	0.053	ppbv #	55
17) tert-Butyl alcohol	2.046	59	845	0.040	ppbv #	81
18) 1,1-Dichloroethene	2.036	96	202	0.036	ppbv #	37
19) Isopropyl Alcohol	1.894	45	614	0.064	ppbv #	49
20) Methylene Chloride	2.065	84	1783	0.294	ppbv	89
21) Allyl Chloride	2.098	41	417	0.037	ppbv #	1
22) trans-1,2-Dichloroethene	2.347	96	334	0.050	ppbv #	57
24) 1,1-Dichloroethane	2.415	63	537	0.042	ppbv #	87
27) Carbon Disulfide	2.153	76	629	0.039	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	253	0.032	ppbv #	73
29) Chloroform	2.855	83	1047	0.041	ppbv #	61
31) cis-1,2-Dichloroethene	2.725	61	654	0.039	ppbv #	81
34) 2-Butanone	2.564	43	1440	0.062	ppbv	94
37) 1,2-Dichloroethane	3.224	62	700	0.037	ppbv #	79
39) 1,2-Dichloropropane	3.962	63	85922	7.196	ppbv #	26
57) Chlorobenzene	8.920	112	949	0.034	ppbv #	72
78) Hexachloro-1,3-Butadiene	13.879	225	622	0.031	ppbv #	65

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
Data File : VL043152.D
Acq On : 04 Nov 2025 12:59
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Sample : Q3530-13 0.03 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:31:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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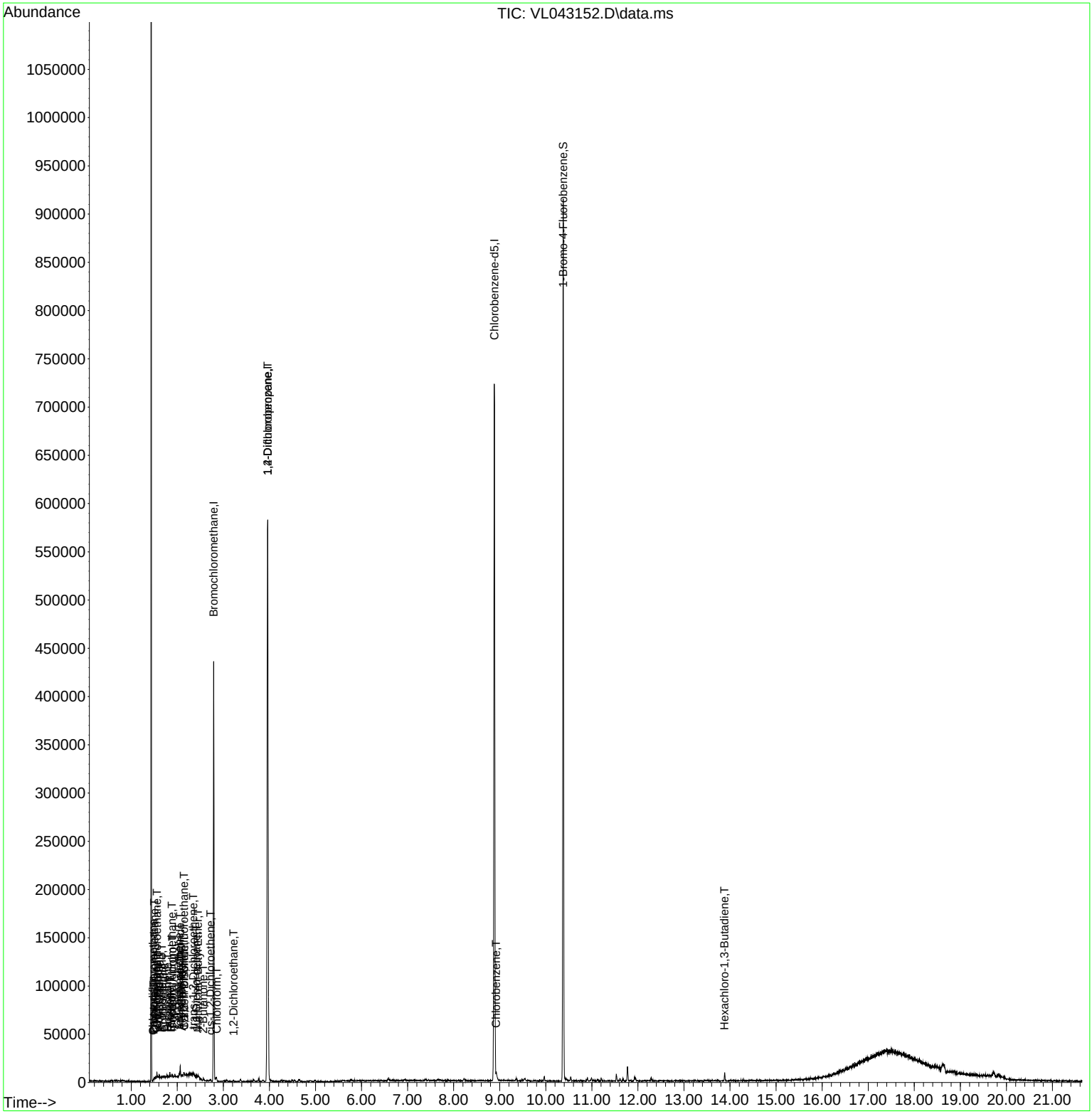
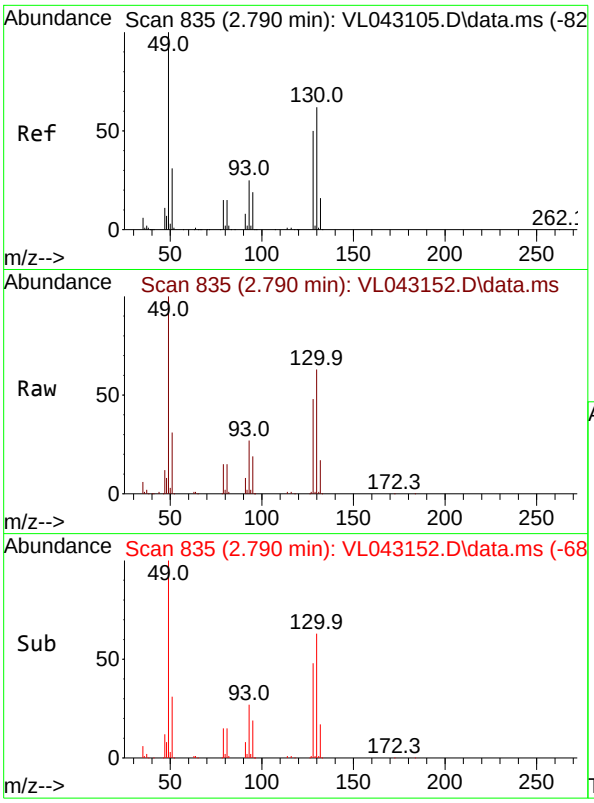


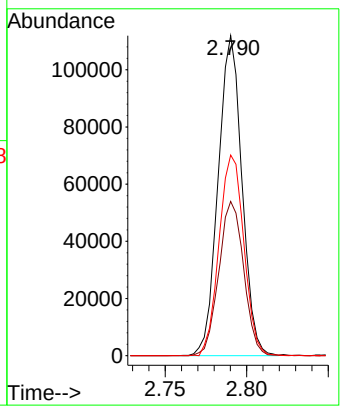


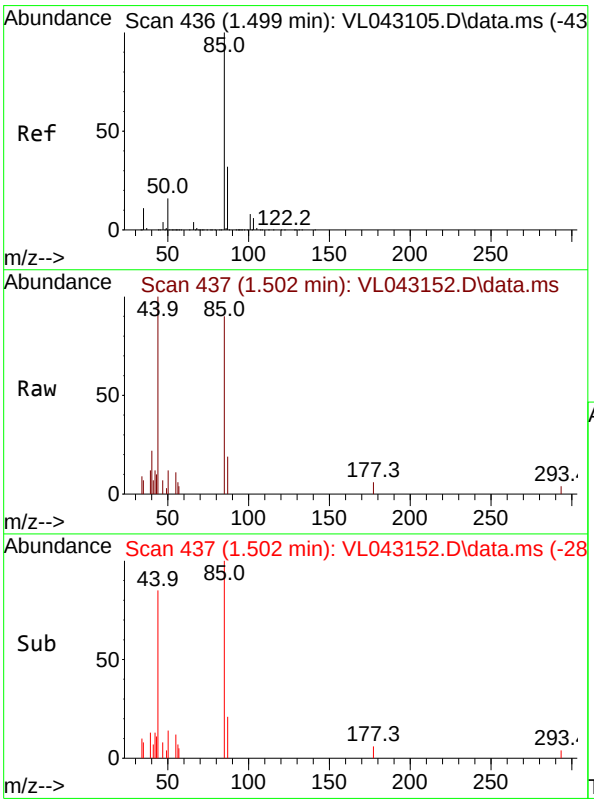
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 49 Resp: 113638

Ion	Ratio	Lower	Upper
49	100		
128	50.3	24.4	73.4
130	65.3	31.0	93.0

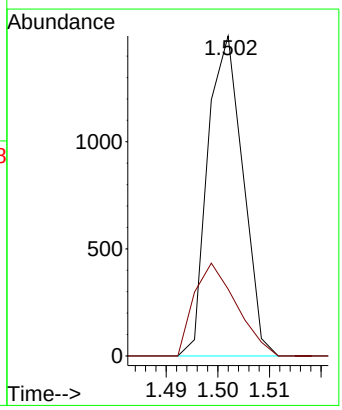


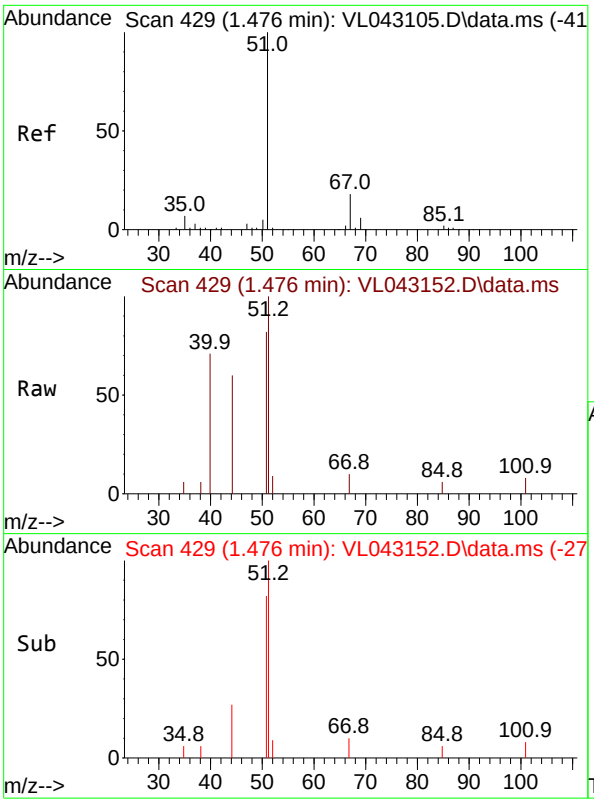


#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 85 Resp: 705

Ion	Ratio	Lower	Upper
85	100		
87	20.9	25.3	37.9#



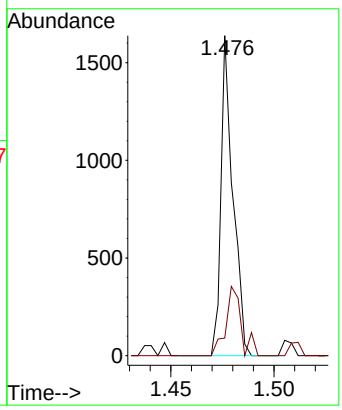


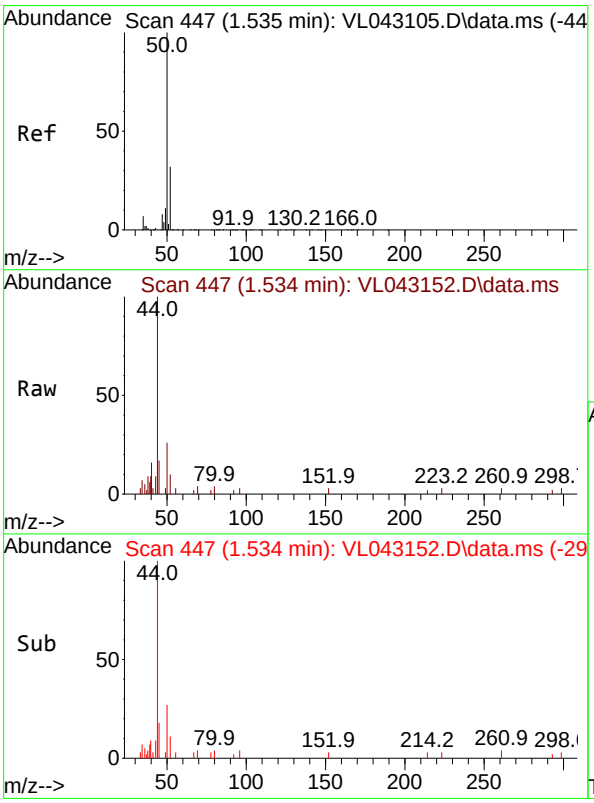
#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 51 Resp: 660

Ion	Ratio	Lower	Upper
51	100		
67	27.7	15.1	22.7#

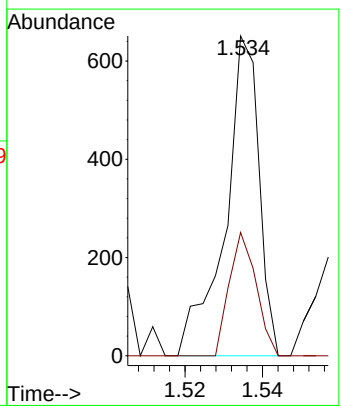


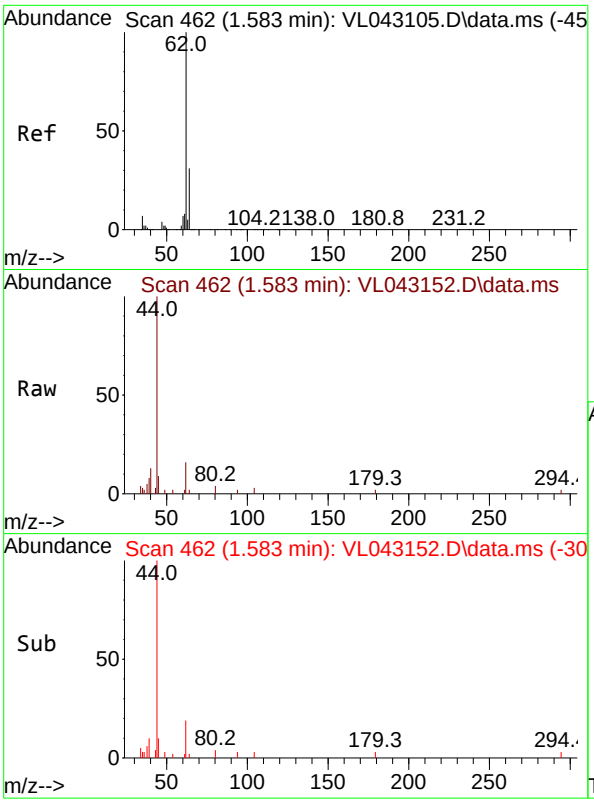


#4
Chloromethane
Concen: 0.062 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 50 Resp: 396

Ion	Ratio	Lower	Upper
50	100		
52	38.6	25.2	37.8#



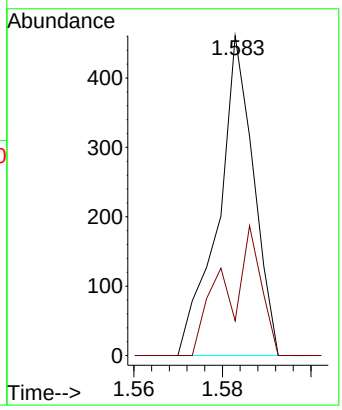


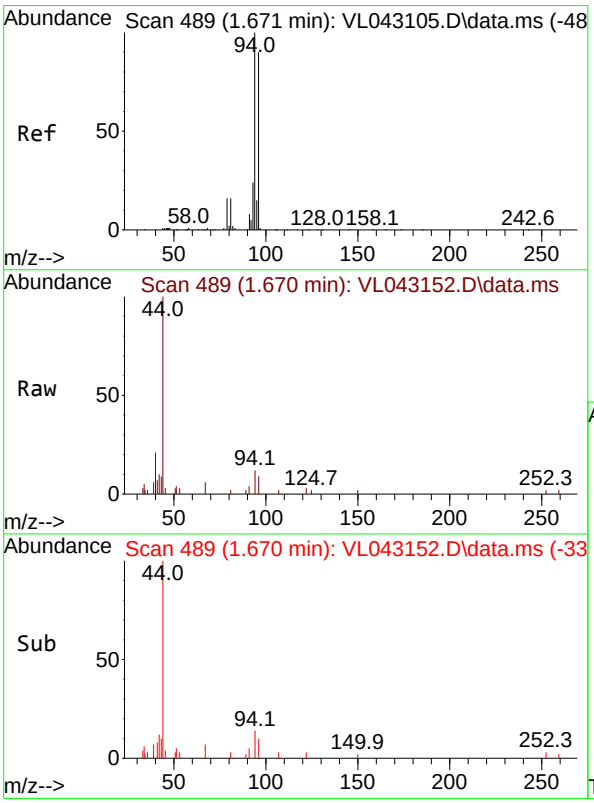
#5
Vinyl Chloride
Concen: 0.041 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 62 Resp: 255

Ion	Ratio	Lower	Upper
62	100		
64	10.8	24.6	36.8#

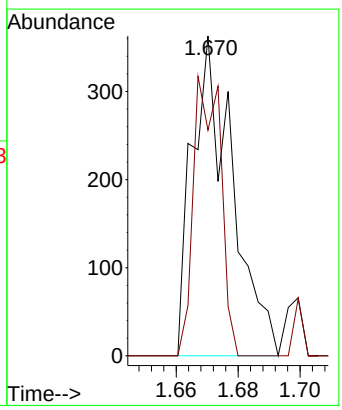


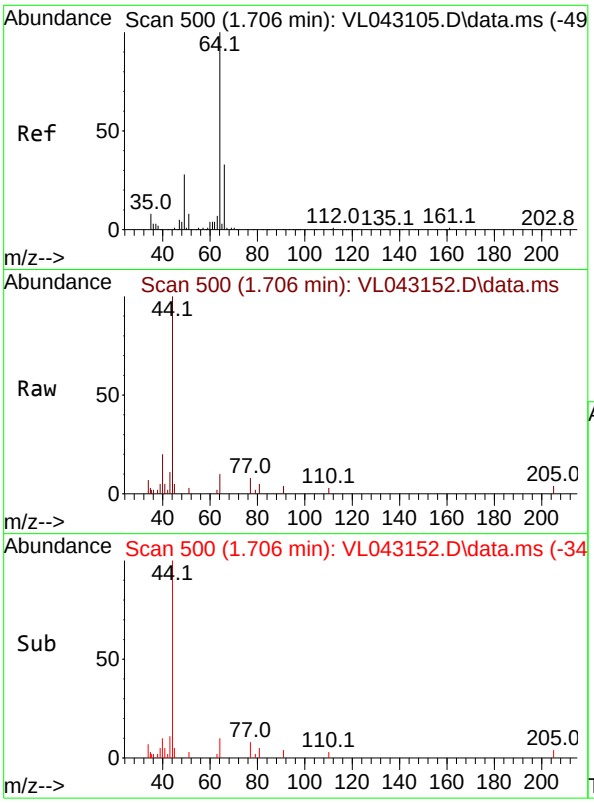


#6
Bromomethane
Concen: 0.094 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 94 Resp: 324

Ion	Ratio	Lower	Upper
94	100		
96	70.5	72.2	108.4#



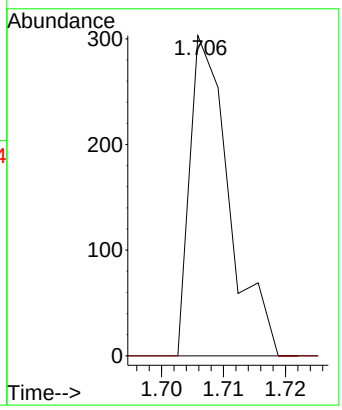


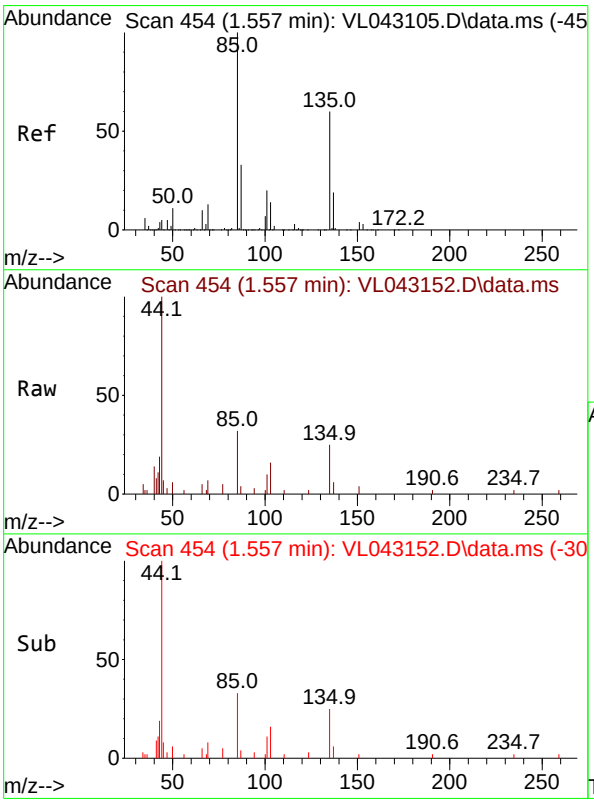
#7
Chloroethane
Concen: 0.052 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 64 Resp: 133

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.0	39.0#

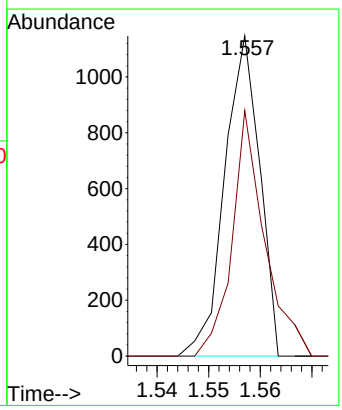


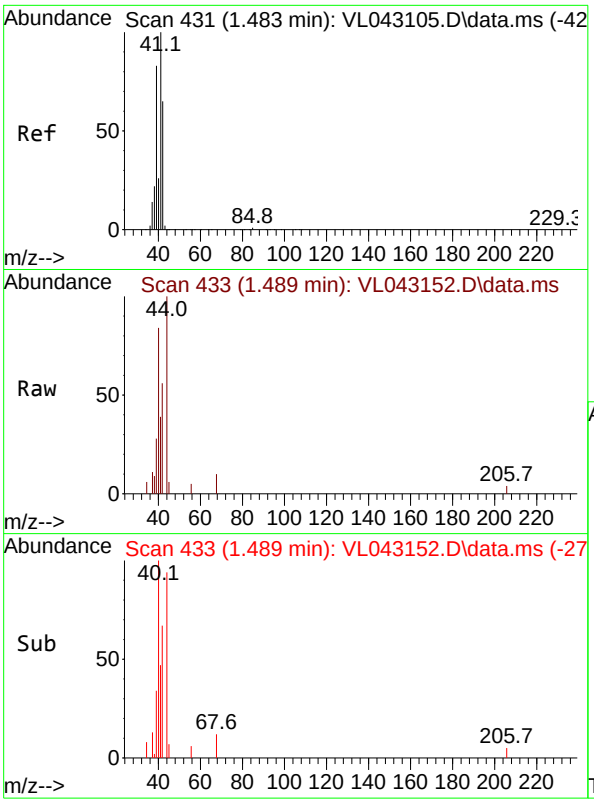


#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 85 Resp: 541

Ion	Ratio	Lower	Upper
85	100		
135	71.2	48.2	72.4



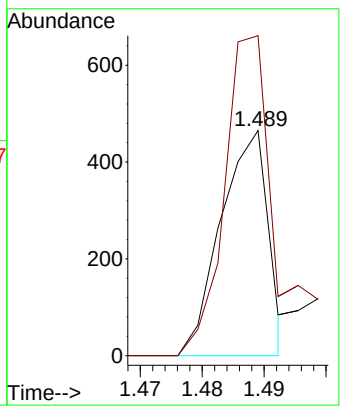


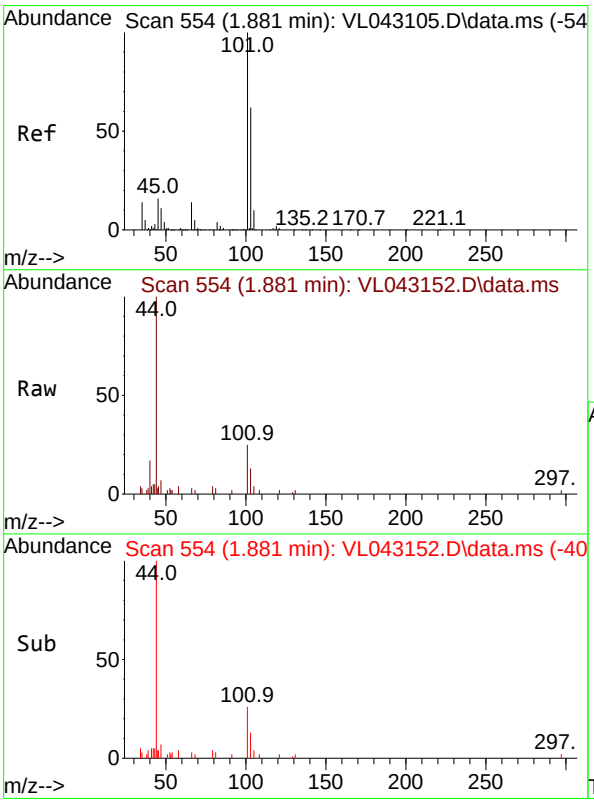
#9
Propene
Concen: 0.032 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 41 Resp: 248

Ion	Ratio	Lower	Upper
41	100		
42	217.3	55.1	82.7#

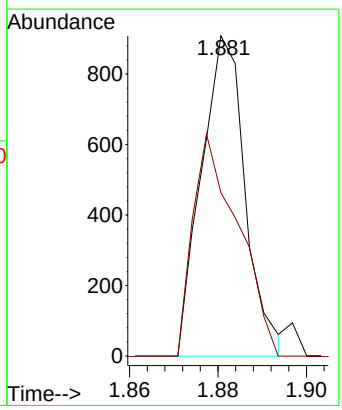


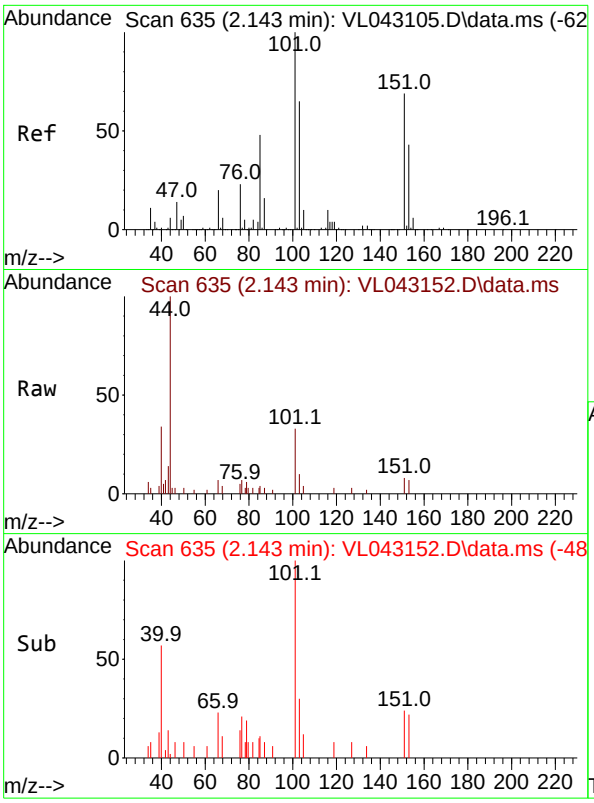


#11
Trichlorofluoromethane
Concen: 0.039 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion:101 Resp: 622

Ion	Ratio	Lower	Upper
101	100		
103	51.0	49.3	73.9



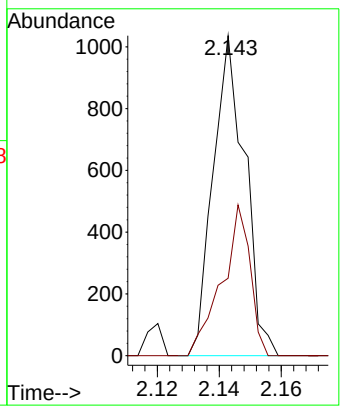


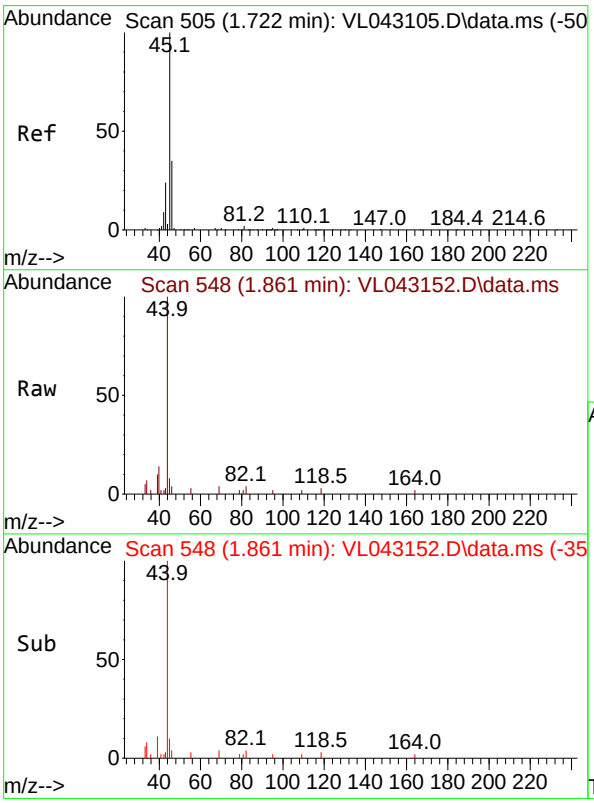
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.058 ppbv
RT: 2.143 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:101 Resp: 737

Ion	Ratio	Lower	Upper
101	100		
151	41.9	54.7	82.1#

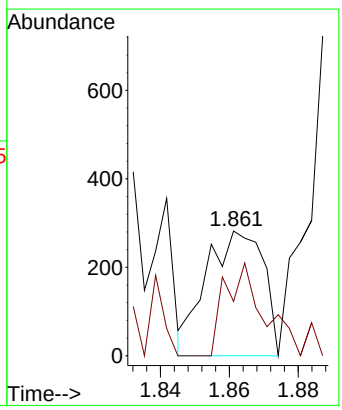


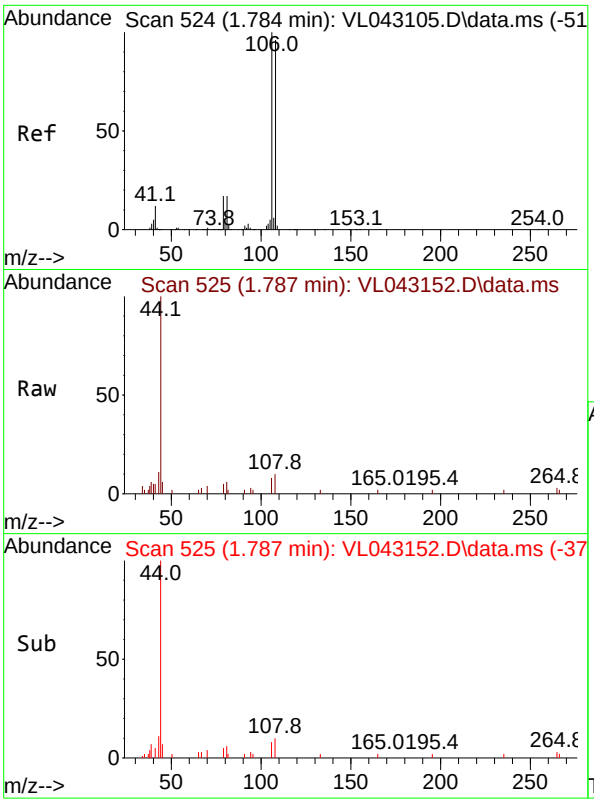


#13
Ethanol
Concen: 0.113 ppbv
RT: 1.861 min Scan# 548
Delta R.T. 0.139 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 45 Resp: 325

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#



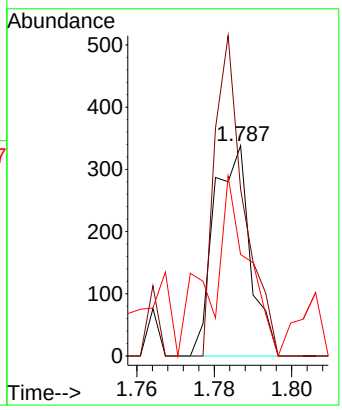


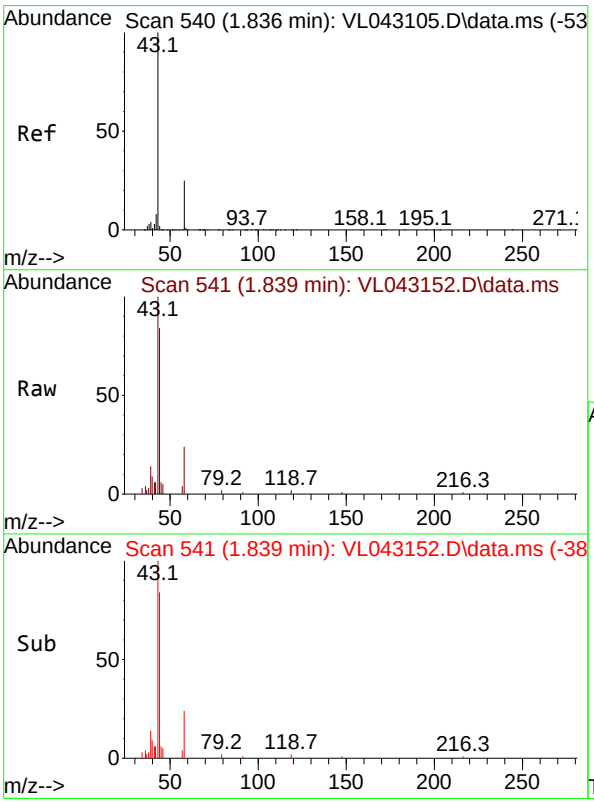
#14
Bromoethene
Concen: 0.046 ppbv
RT: 1.787 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:108 Resp: 219

Ion	Ratio	Lower	Upper
108	100		
106	134.2	84.4	126.6#
79	143.8	15.3	22.9#

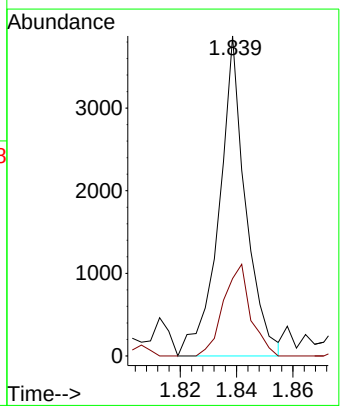


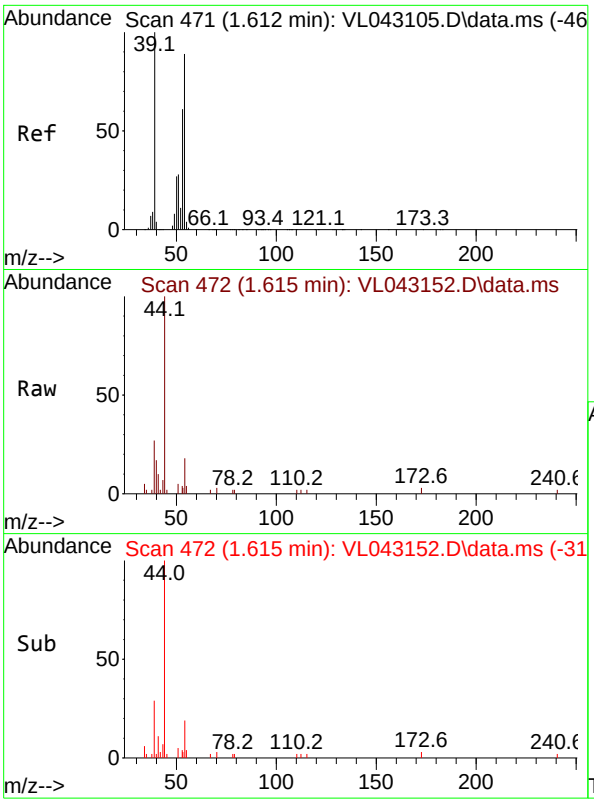


#15
Acetone
Concen: 0.166 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 43 Resp: 2535

Ion	Ratio	Lower	Upper
43	100		
58	31.8	20.8	31.2#



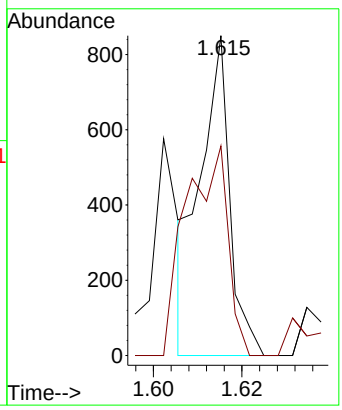


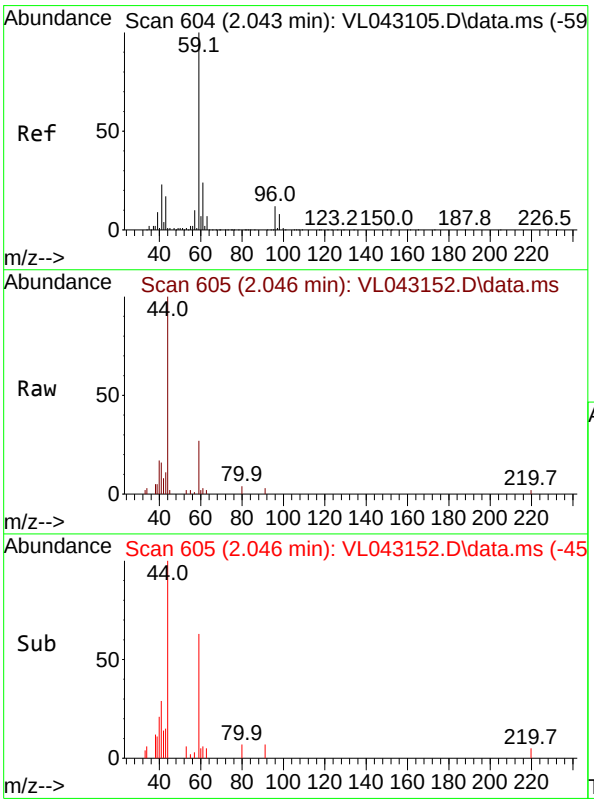
#16
1,3-Butadiene
Concen: 0.053 ppbv
RT: 1.615 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 39 Resp: 390

Ion	Ratio	Lower	Upper
39	100		
54	111.3	59.0	88.4#

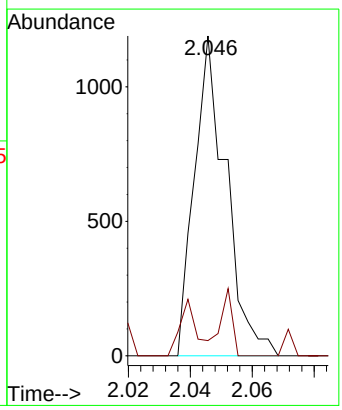


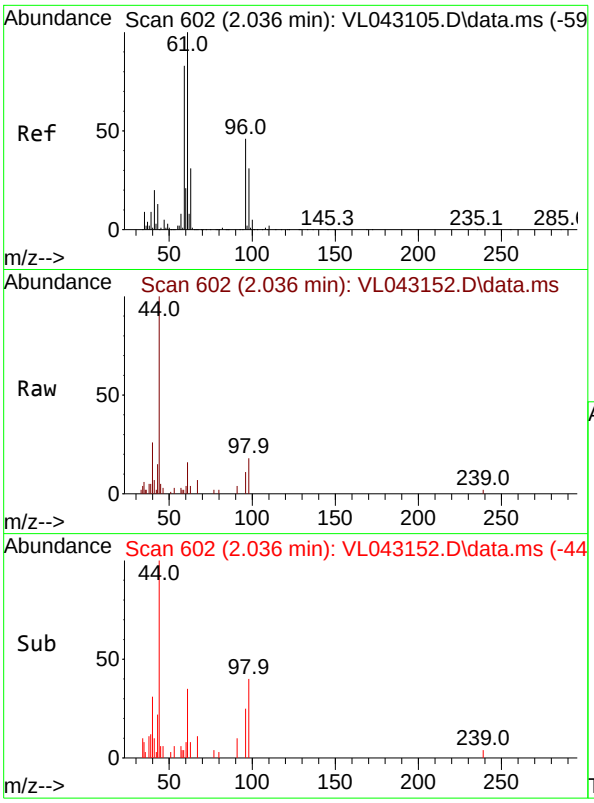


#17
tert-Butyl alcohol
Concen: 0.040 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 59 Resp: 845

Ion	Ratio	Lower	Upper
59	100		
57	17.3	8.2	12.4#



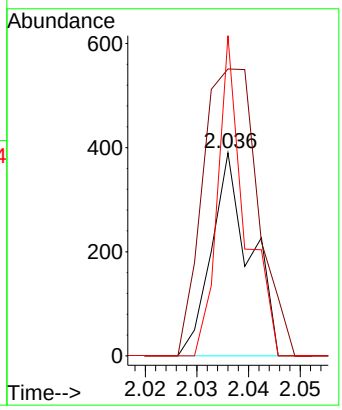


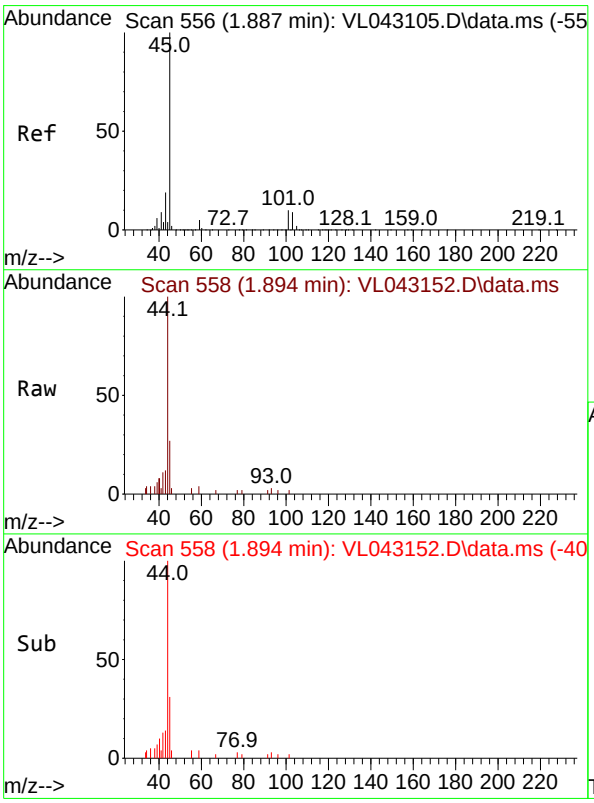
#18
1,1-Dichloroethene
Concen: 0.036 ppbv
RT: 2.036 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 96 Resp: 202

Ion	Ratio	Lower	Upper
96	100		
61	141.3	173.4	260.0#
98	157.7	53.2	79.8#

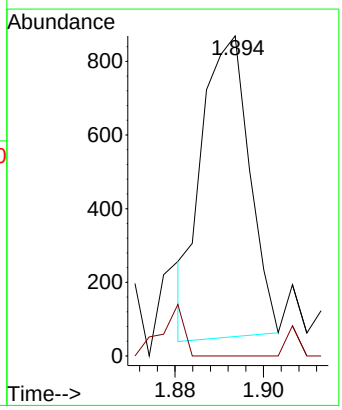


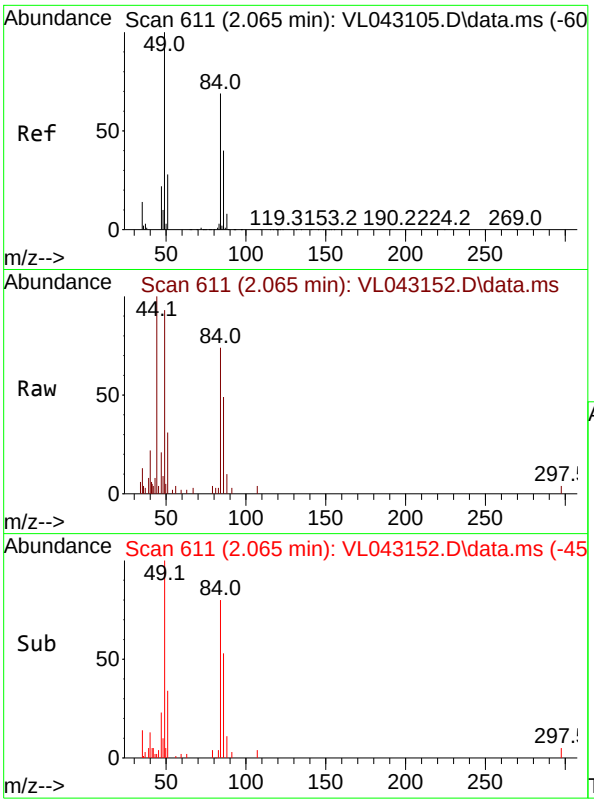


#19
Isopropyl Alcohol
Concen: 0.064 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.006 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 45 Resp: 614

Ion	Ratio	Lower	Upper
45	100		
58	8.0	31.3	46.9#



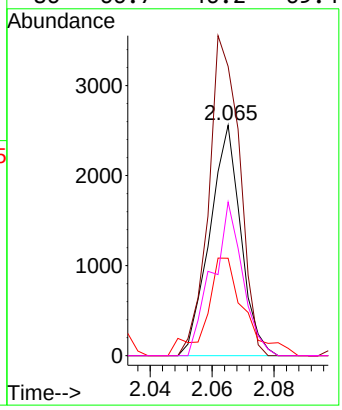


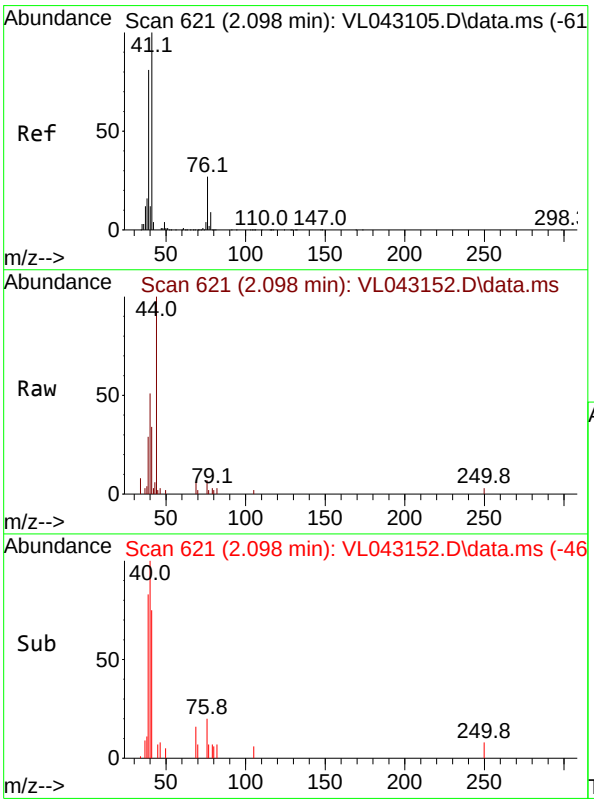
#20
Methylene Chloride
Concen: 0.294 ppbv
RT: 2.065 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 84 Resp: 1783

Ion	Ratio	Lower	Upper
84	100		
49	132.1	116.6	175.0
51	36.7	34.8	52.2
86	66.7	46.2	69.4

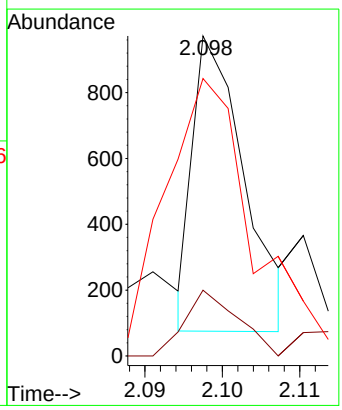


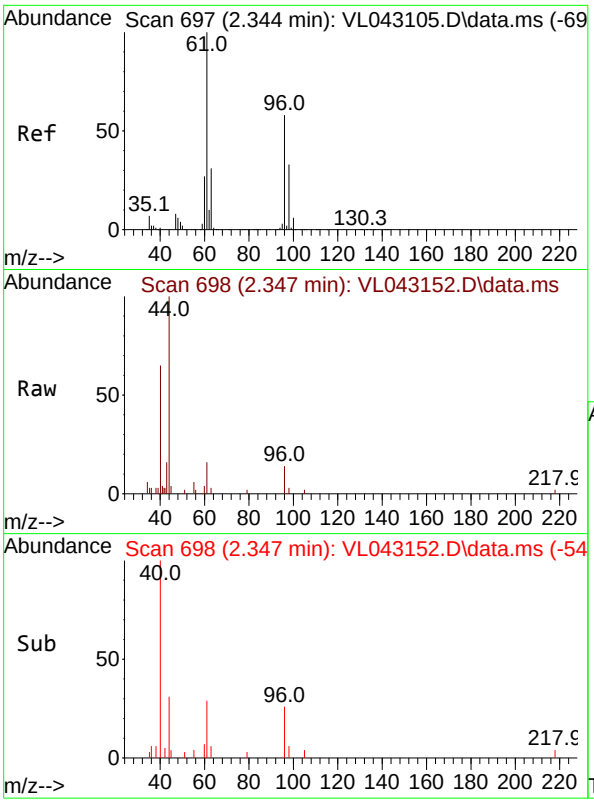


#21
Allyl Chloride
Concen: 0.037 ppbv
RT: 2.098 min Scan# 621
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 41 Resp: 417

Ion	Ratio	Lower	Upper
41	100		
76	29.7	21.5	32.3
39	325.4	60.8	91.2#



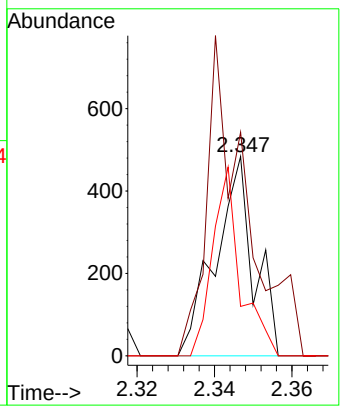


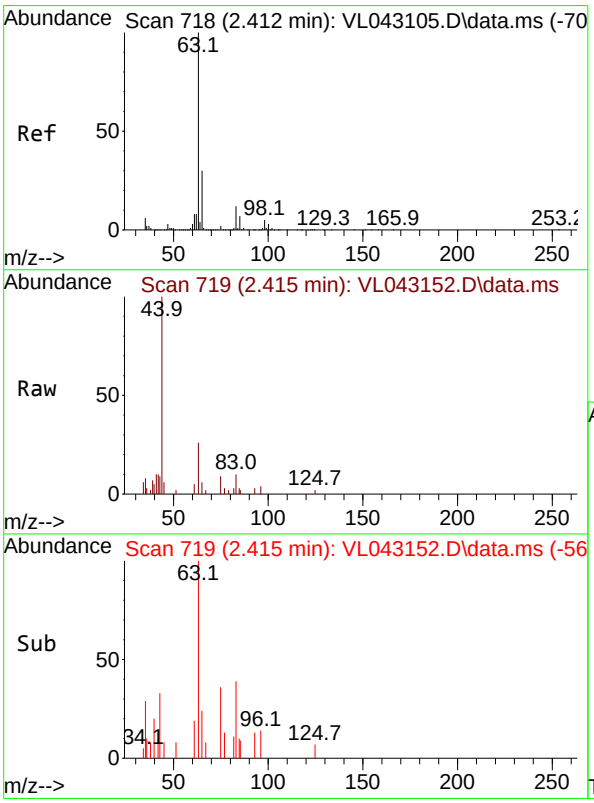
#22
trans-1,2-Dichloroethene
Concen: 0.050 ppbv
RT: 2.347 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 96 Resp: 334

Ion	Ratio	Lower	Upper
96	100		
61	112.2	137.0	205.6#
98	24.8	45.5	68.3#

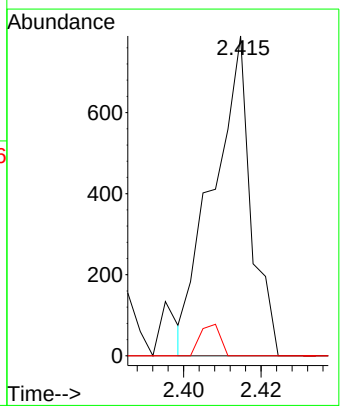


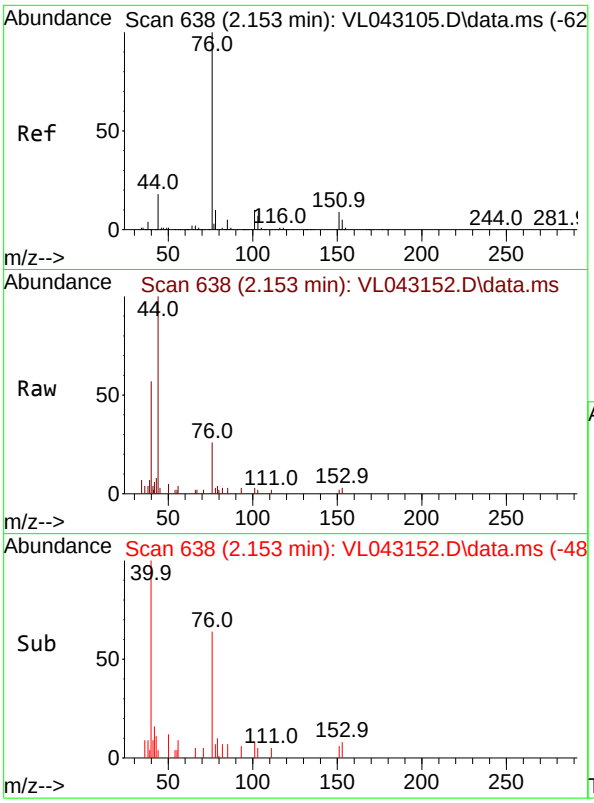


#24
1,1-Dichloroethane
Concen: 0.042 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 63 Resp: 537

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.5	4.4#



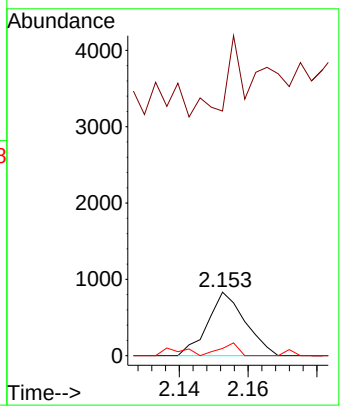


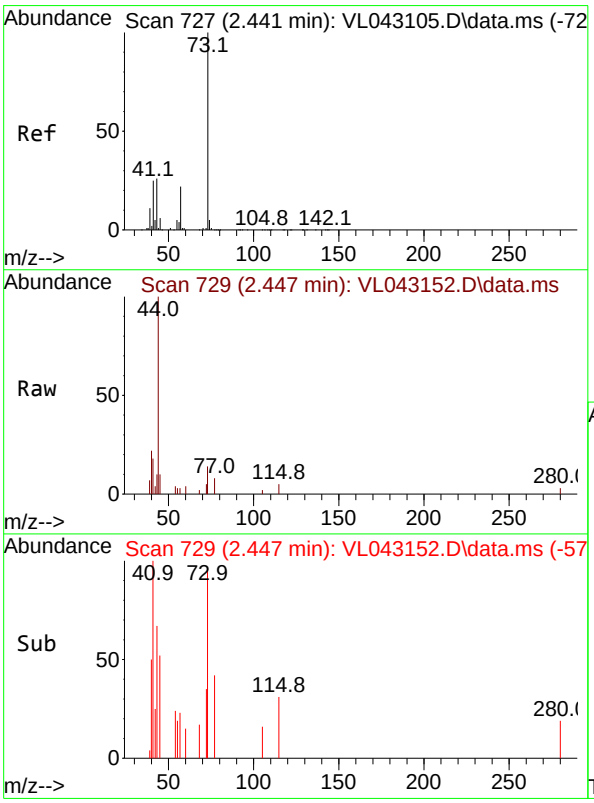
#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 76 Resp: 629

Ion	Ratio	Lower	Upper
76	100		
44	1636.6	16.7	25.1#
78	17.2	9.3	13.9#

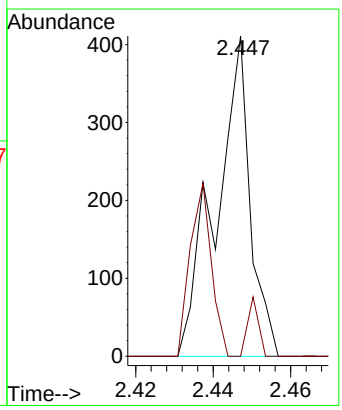


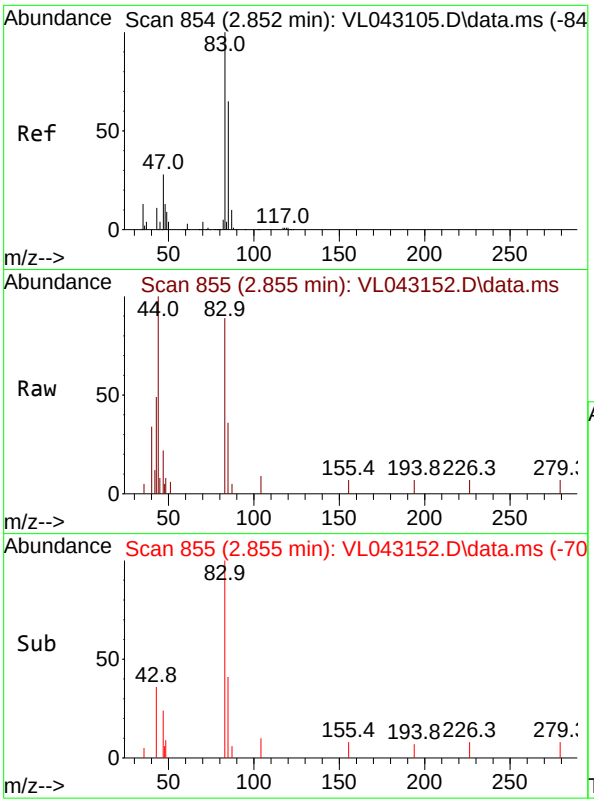


#28
Methyl tert-Butyl Ether
Concen: 0.032 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.006 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 73 Resp: 253

Ion	Ratio	Lower	Upper
73	100		
57	39.1	20.5	30.7#



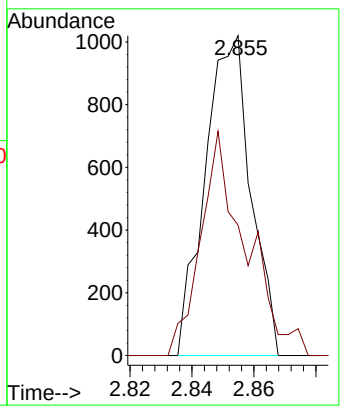


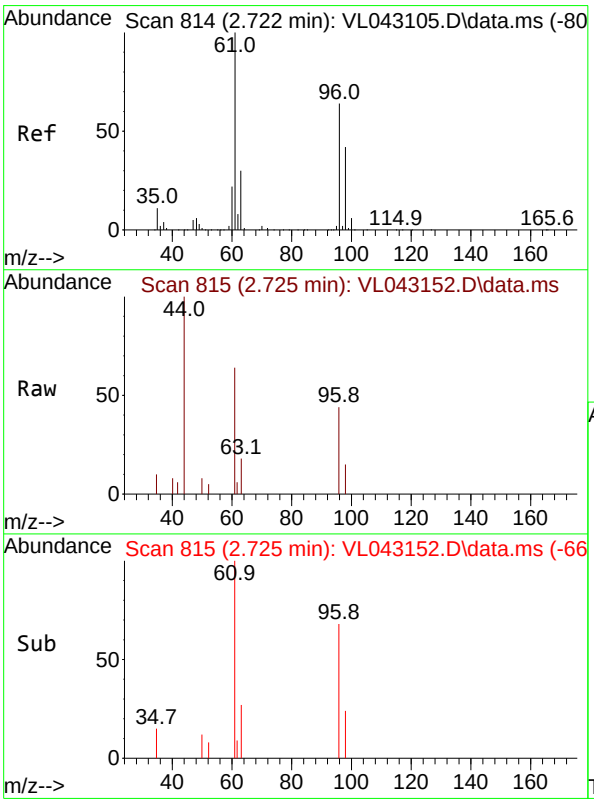
#29
Chloroform
Concen: 0.041 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 83 Resp: 1047

Ion	Ratio	Lower	Upper
83	100		
85	34.2	51.8	77.6#

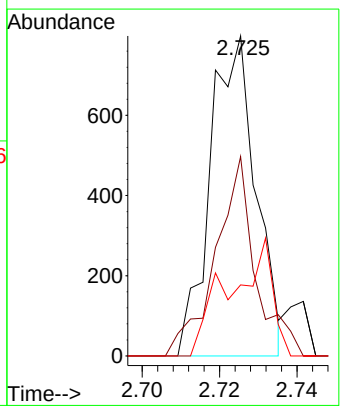


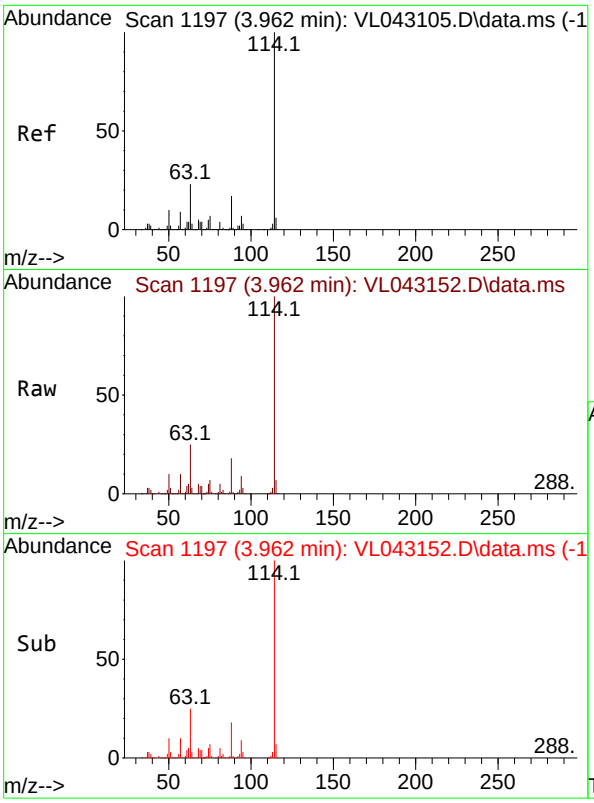


#31
cis-1,2-Dichloroethene
Concen: 0.039 ppbv
RT: 2.725 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 61 Resp: 654

Ion	Ratio	Lower	Upper
61	100		
96	55.3	51.0	76.6
98	22.2	33.5	50.3#



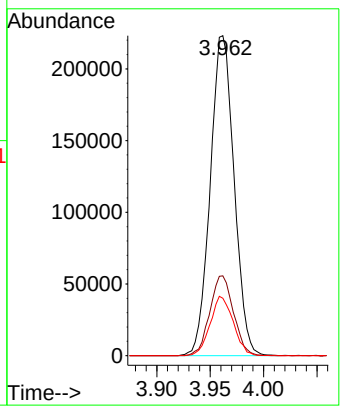


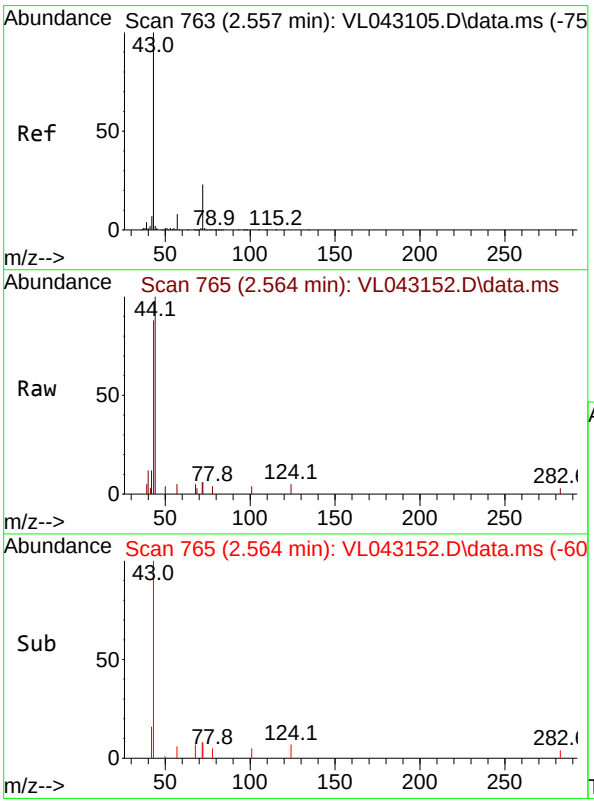
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:114 Resp: 346779

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.3	28.9
88	17.9	13.9	20.9

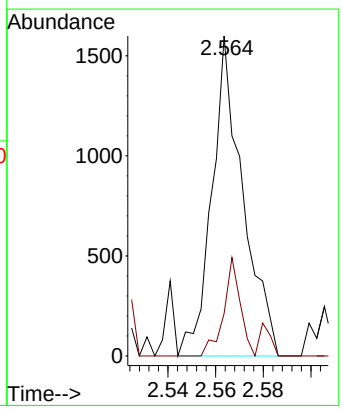


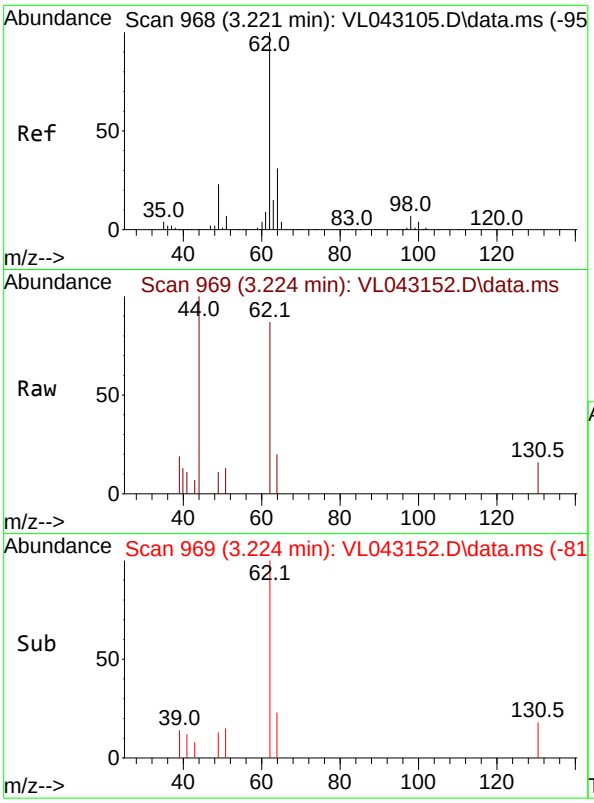


#34
2-Butanone
Concen: 0.062 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 43 Resp: 1440

Ion	Ratio	Lower	Upper
43	100		
72	20.0	18.4	27.6



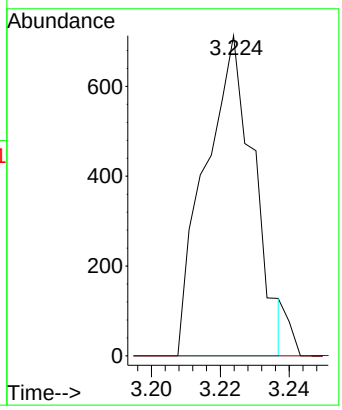


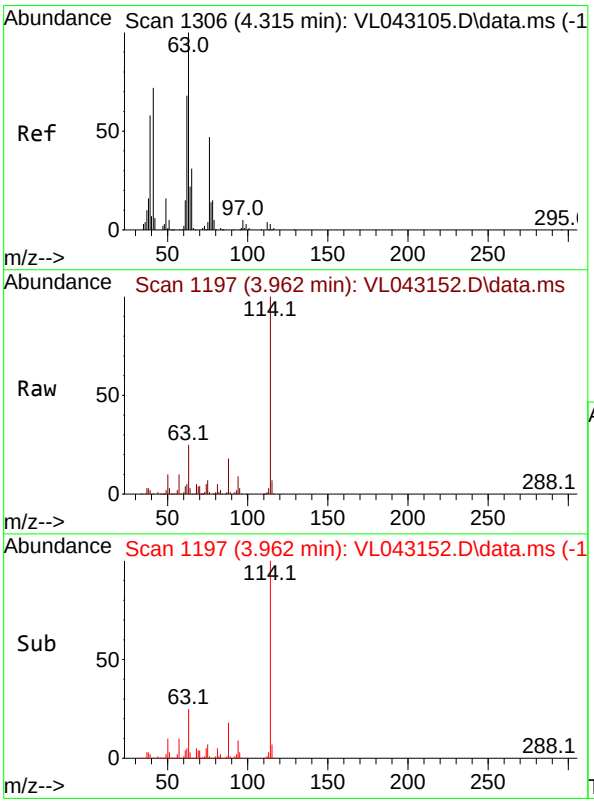
#37
1,2-Dichloroethane
Concen: 0.037 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 62 Resp: 700

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.8	8.6#

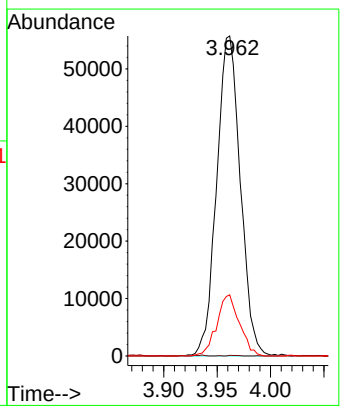


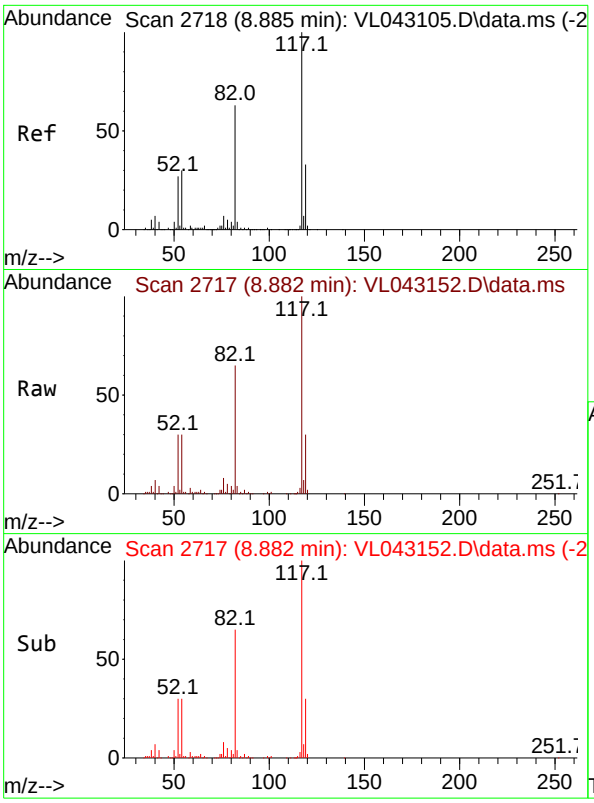


#39
1,2-Dichloropropane
Concen: 7.196 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.353 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion: 63 Resp: 85922

Ion	Ratio	Lower	Upper
63	100		
41	0.2	58.0	87.0#
62	19.1	54.7	82.1#



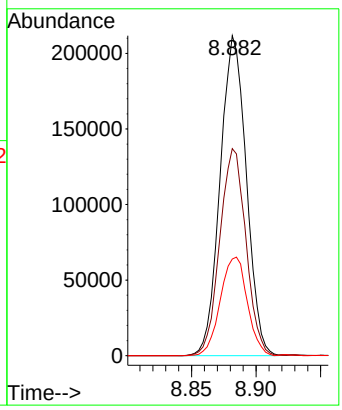


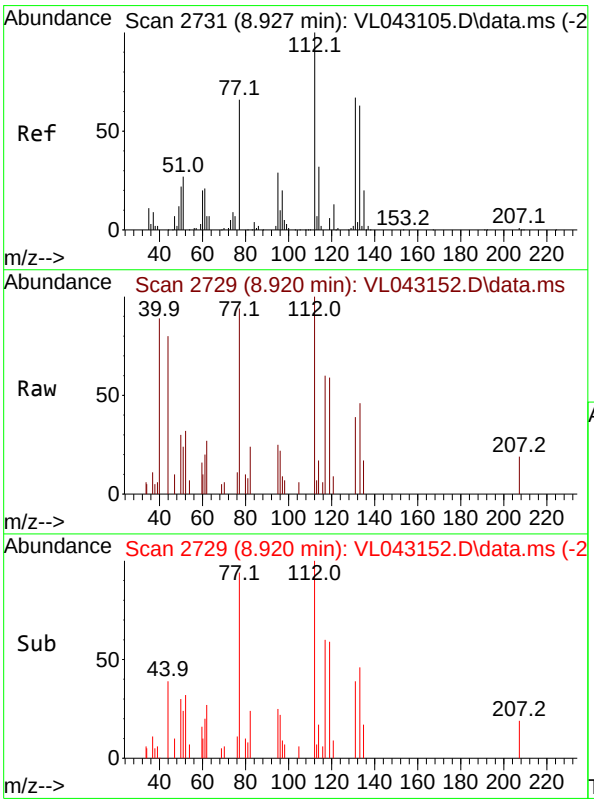
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:117 Resp: 298519

Ion	Ratio	Lower	Upper
117	100		
82	64.8	53.8	80.8
119	32.0	25.4	38.0

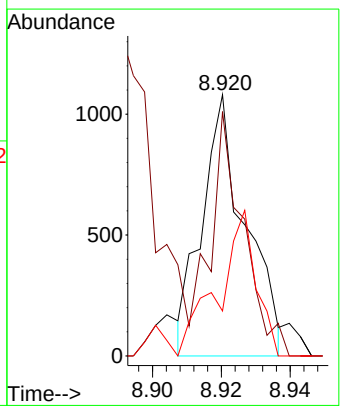


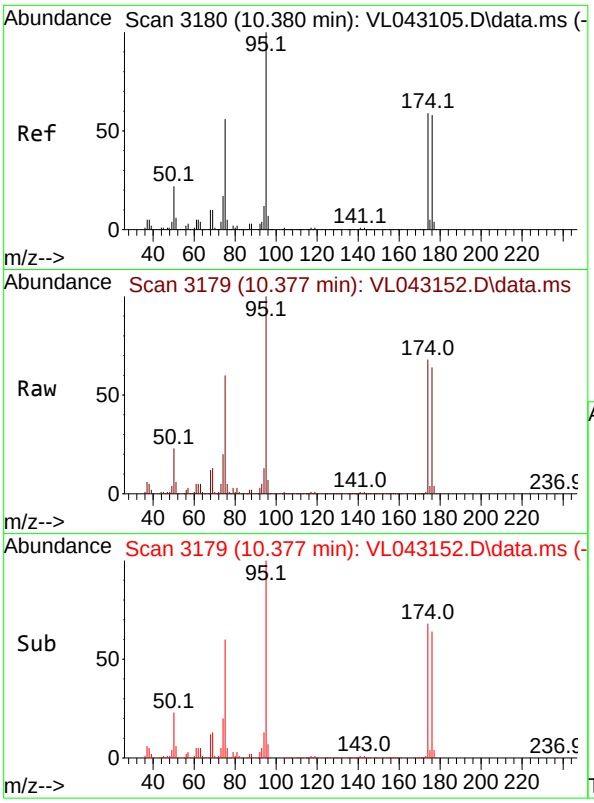


#57
Chlorobenzene
Concen: 0.034 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion:112 Resp: 949

Ion	Ratio	Lower	Upper
112	100		
77	90.9	53.3	79.9#
114	19.3	29.3	35.8#



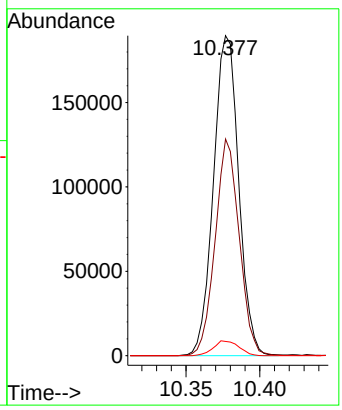


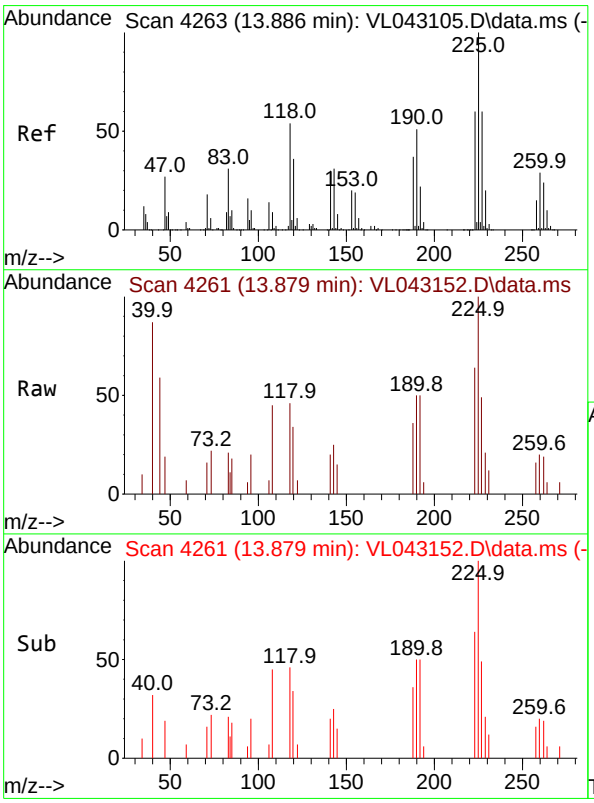
#68
1-Bromo-4-Fluorobenzene
Concen: 9.720 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 95 Resp: 225526

Ion	Ratio	Lower	Upper
95	100		
174	64.8	48.3	72.5
175	4.7	3.8	5.8





#78
Hexachloro-1,3-Butadiene
Concen: 0.031 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043152.D
Acq: 04 Nov 2025 12:59

Tgt Ion:225 Resp: 622

Ion	Ratio	Lower	Upper
225	100		
223	80.5	50.2	75.4#
227	98.1	49.6	74.4#