Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
Data File : VL042055.D
Acq On : 26 Feb 2025 11:40
Operator : SY/MD
Sample : Q1419-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Feb 27 00:27:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	157204	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	381648	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	315276	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	249506	10.287	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	6898	0.422	ppbv		99
3) Chlorodifluoromethane	1.479	51	11916	0.522	ppbv	#	86
4) Chloromethane	1.538	50	2903	0.480	ppbv	#	82
5) Vinyl Chloride	1.586	62	213	0.037	ppbv	#	43
9) Propene	1.894	41	1219	0.131	ppbv		91
10) Heptane	5.007	43	1461	0.050	ppbv	#	28
11) Trichlorofluoromethane	1.884	101	3397	0.207	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.149	101	1017	0.078	ppbv		83
13) Ethanol	1.729	45	18480	31.276	ppbv		96
15) Acetone	1.842	43	35580	2.563	ppbv		99
16) 1,3-Butadiene	1.609	39	1636	0.253	ppbv	#	73
19) Isopropyl Alcohol	1.894	45	13839	1.735	ppbv	#	64
20) Methylene Chloride	2.068	84	2153	0.410	ppbv		90
23) Vinyl Acetate	2.483	43	4943	0.506	ppbv	#	52
26) Hexane	2.842	57	6563	0.292	ppbv	#	44
29) Chloroform	2.858	83	15138	0.501	ppbv		96
34) 2-Butanone	2.573	43	8375	0.282	ppbv		94
35) Carbon Tetrachloride	3.781	117	892	0.034	ppbv	#	1
36) Benzene	3.674	78	46245	1.157	ppbv		94
39) 1,2-Dichloropropane	3.975	63	99797	6.581	ppbv	#	24
44) 2,2,4-Trimethylpentane	4.661	57	3246	0.046	ppbv	#	43
52) Tetrachloroethene	8.241	164	19604	1.433	ppbv		96
53) Toluene	6.956	91	8869	0.199	ppbv	#	69
74) 1,2,4-Trimethylbenzene	11.545	105	2021	0.036	ppbv	#	59
79) Naphthalene	13.526	128	3874	0.102	ppbv	#	93
80) Naphthalene,2-methyl-	14.481	142	1043	0.100	ppbv		93
81) 1,2,4-Trichlorobenzene	13.452	180	1008	0.048	ppbv		99

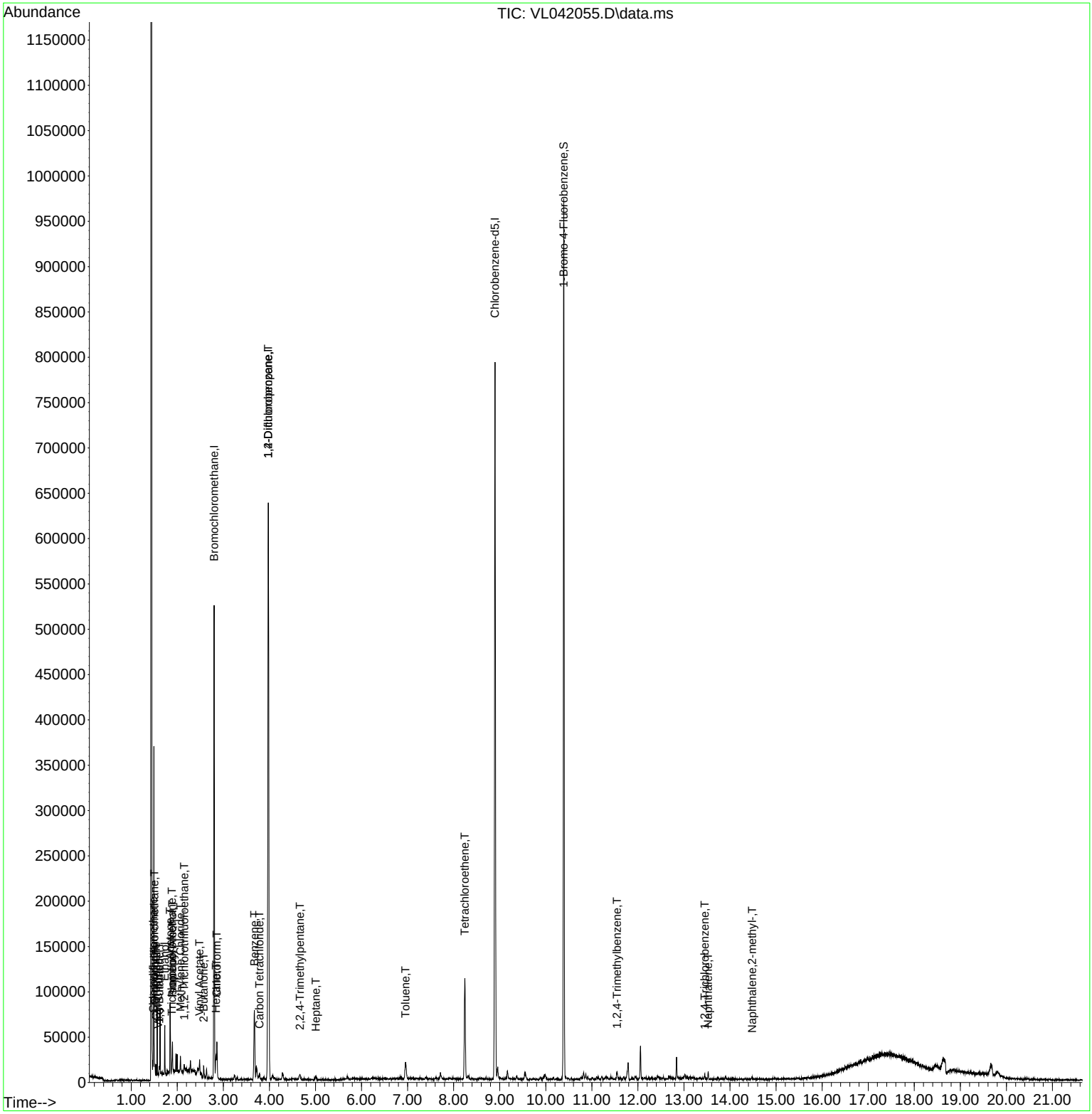
(#) = qualifier out of range (m) = manual integration (+) = signals summed

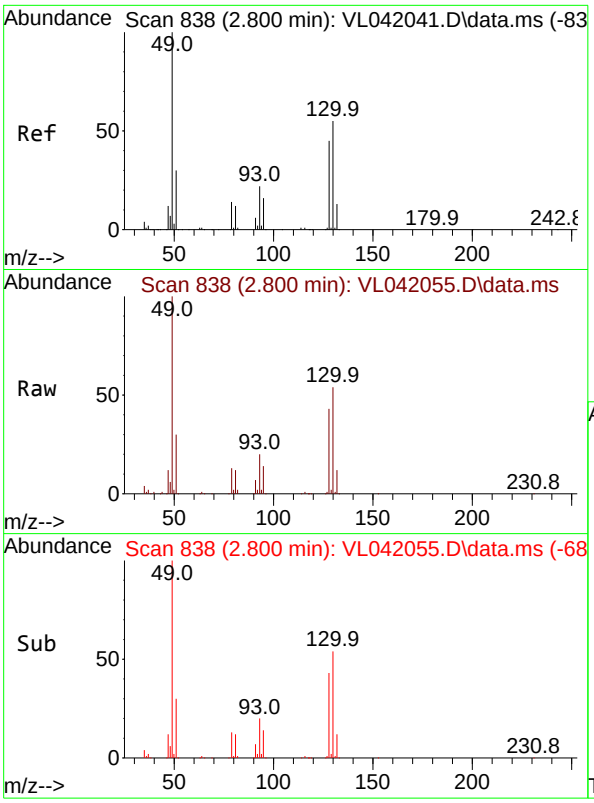
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
Data File : VL042055.D
Acq On : 26 Feb 2025 11:40
Operator : SY/MD
Sample : Q1419-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Feb 27 00:27:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



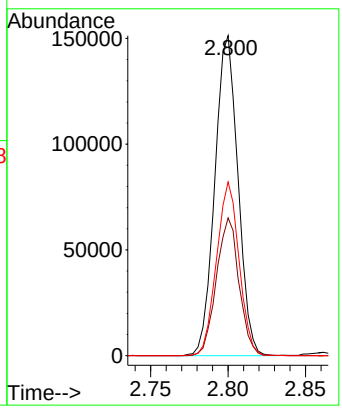


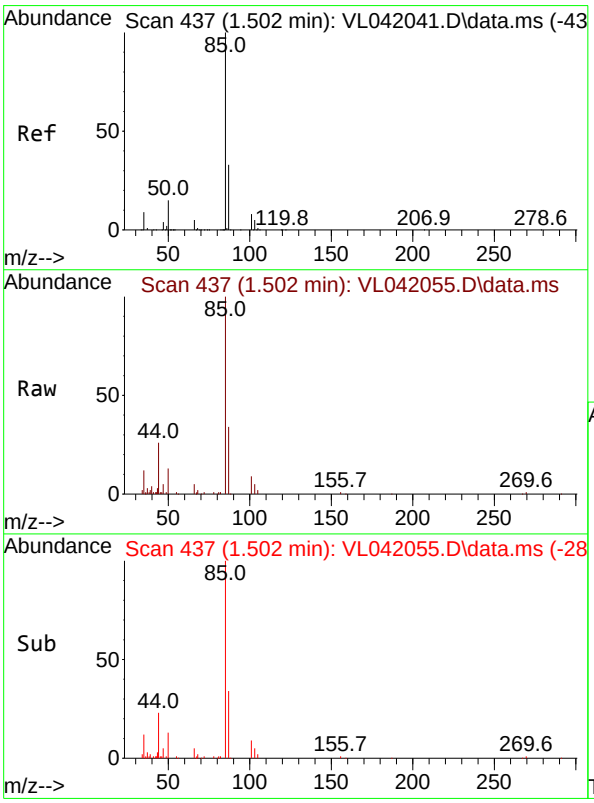
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 157204

Ion	Ratio	Lower	Upper
49	100		
128	42.1	21.6	64.8
130	52.8	27.8	83.4

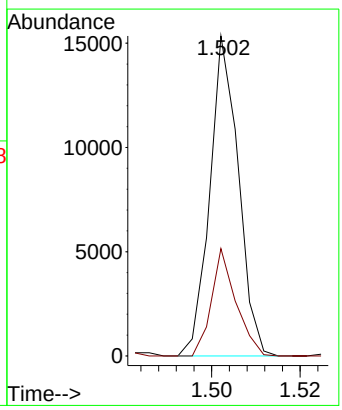


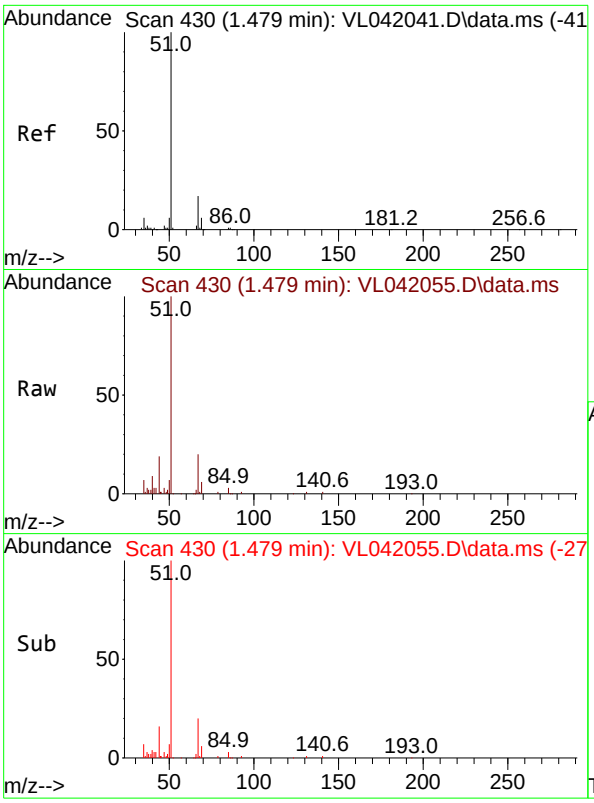


#2
Dichlorodifluoromethane
Concen: 0.422 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 85 Resp: 6898

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.4	39.6



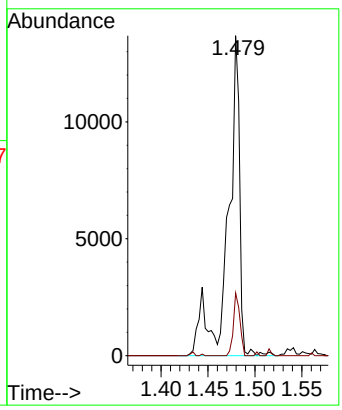


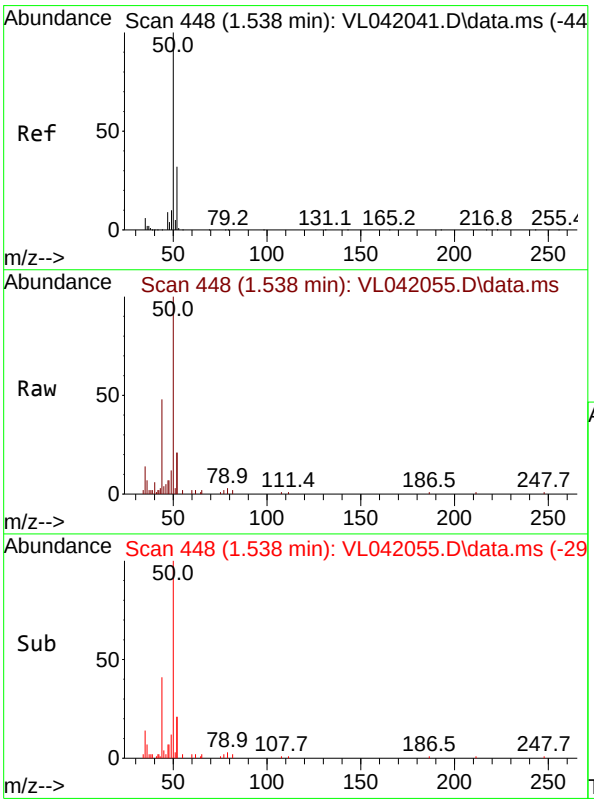
#3
Chlorodifluoromethane
Concen: 0.522 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 11916

Ion	Ratio	Lower	Upper
51	100		
67	11.1	13.7	20.5#

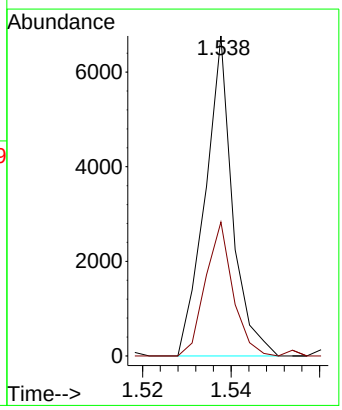


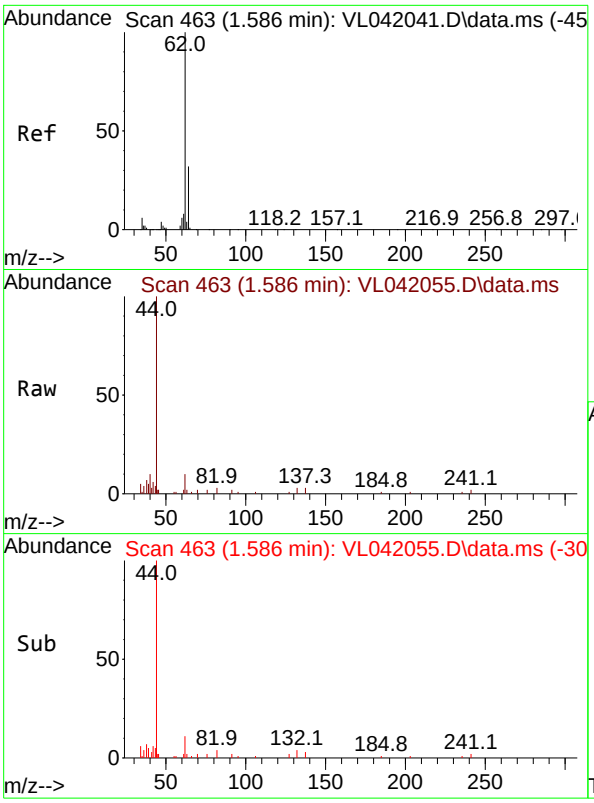


#4
Chloromethane
Concen: 0.480 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 50 Resp: 2903

Ion	Ratio	Lower	Upper
50	100		
52	41.9	25.4	38.0#



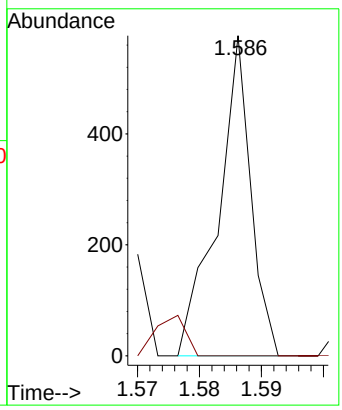


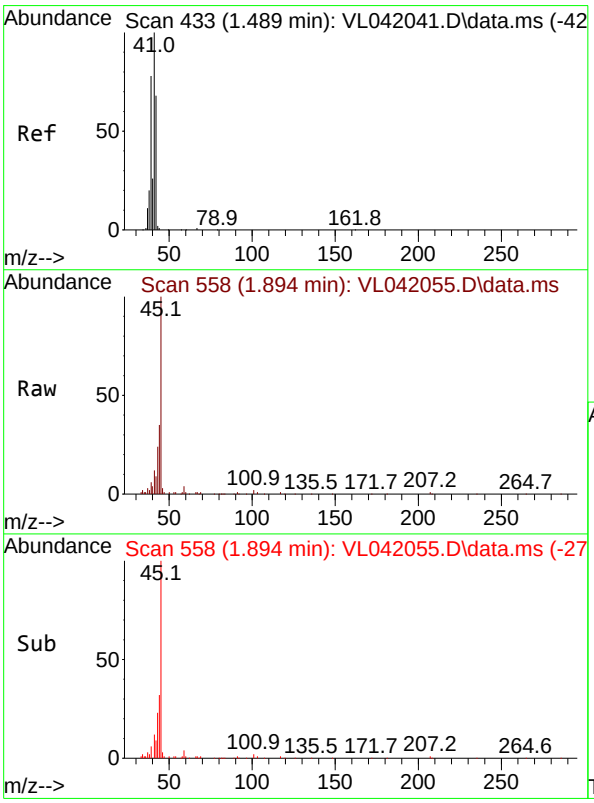
#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 62 Resp: 213

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.3	37.9#

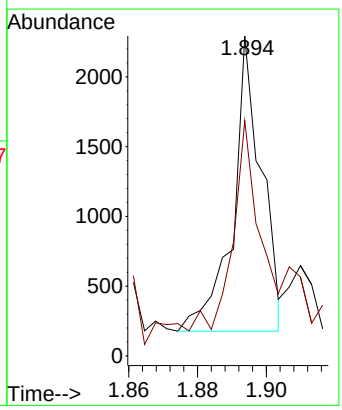


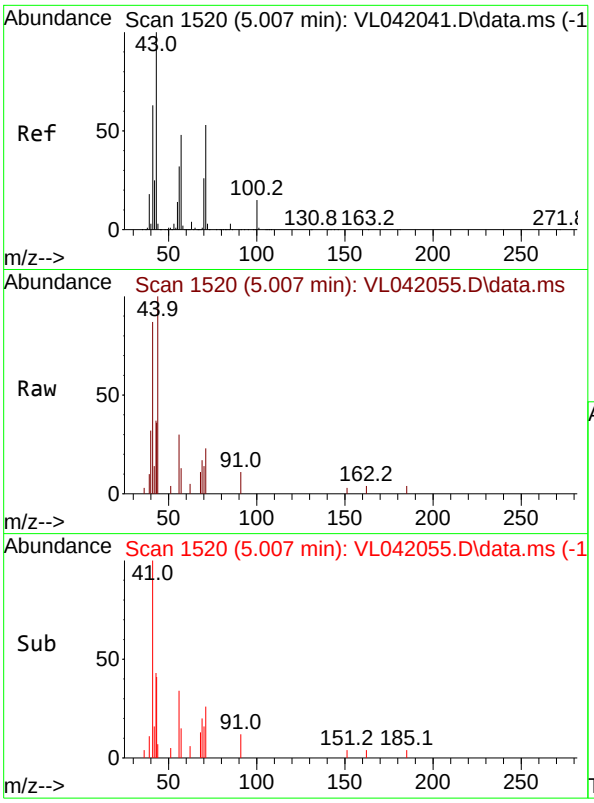


#9
Propene
Concen: 0.131 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.404 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 41 Resp: 1219

Ion	Ratio	Lower	Upper
41	100		
42	76.9	55.8	83.6



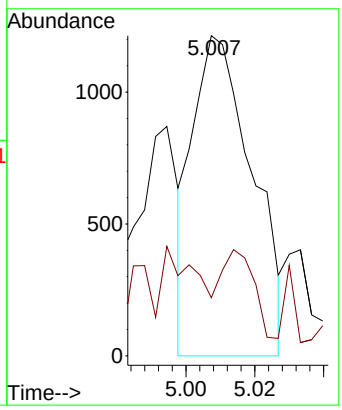


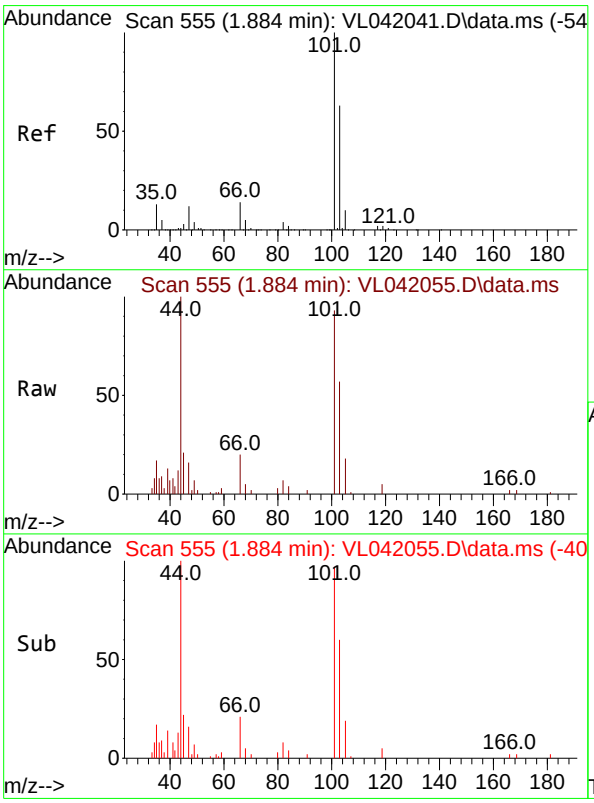
#10
Heptane
Concen: 0.050 ppbv
RT: 5.007 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 1461

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.0#

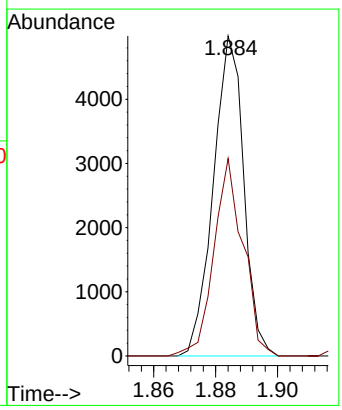


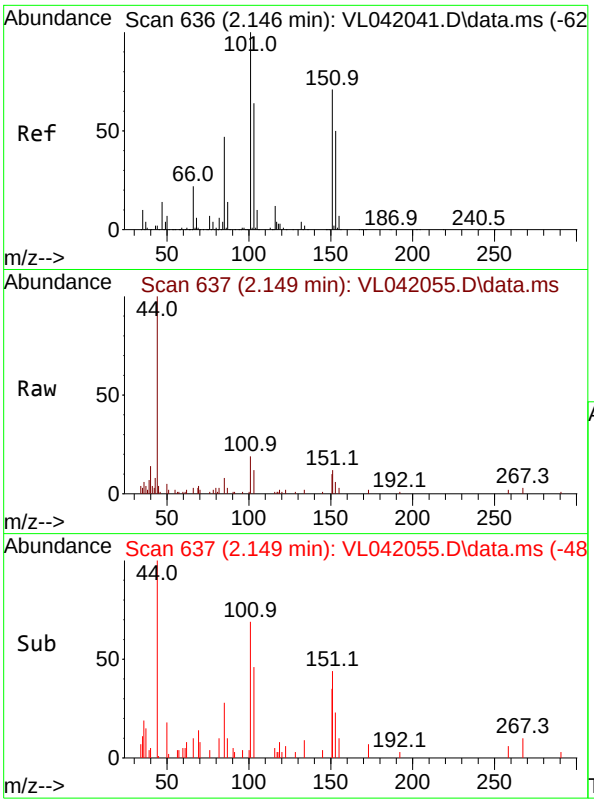


#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:101 Resp: 3397

Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.6	75.8



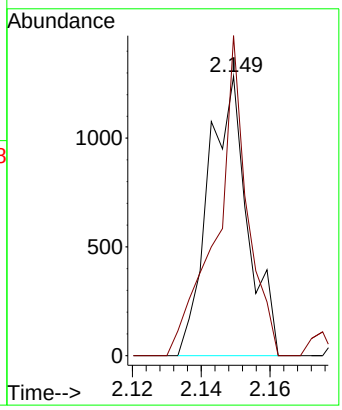


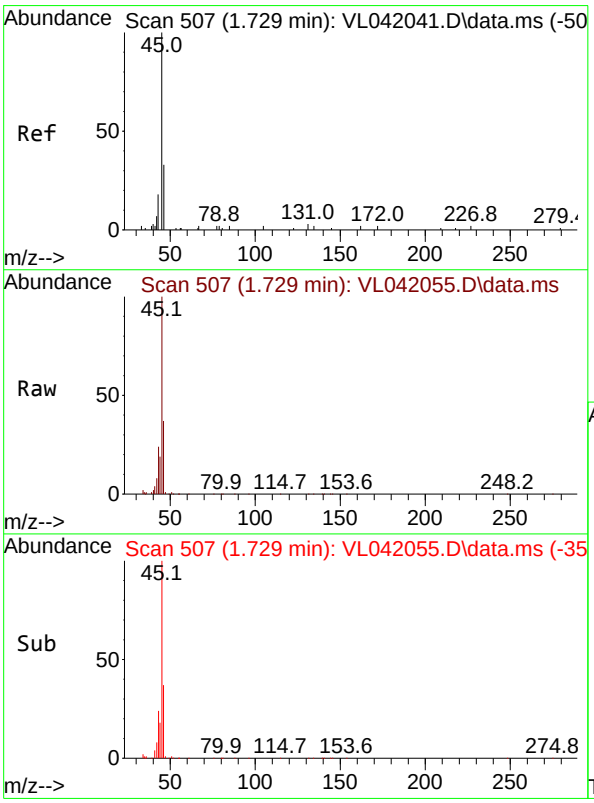
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.078 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 1017

Ion	Ratio	Lower	Upper
101	100		
151	93.0	62.6	94.0

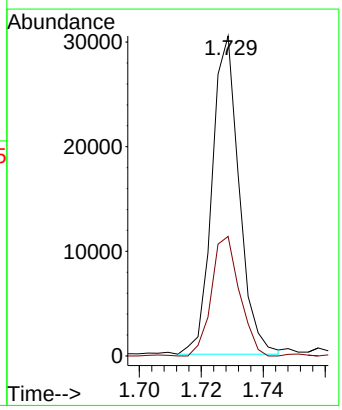


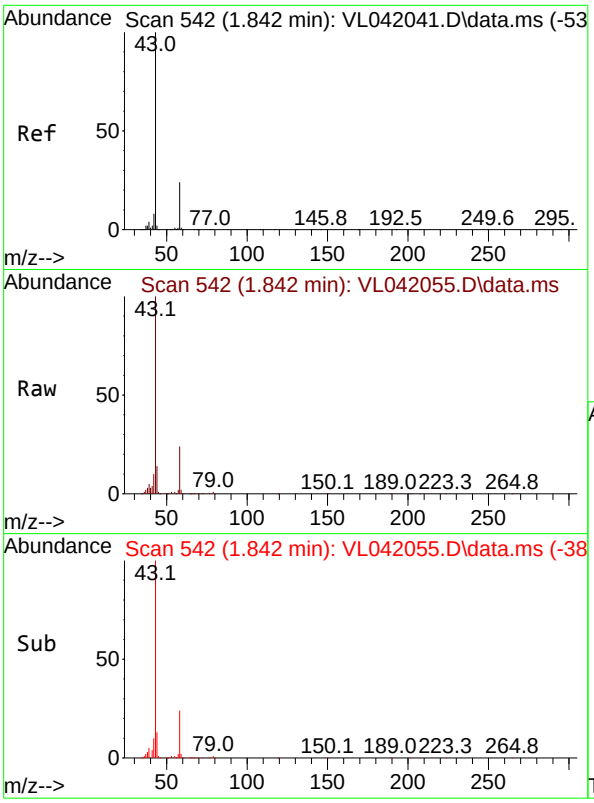


#13
Ethanol
Concen: 31.276 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 45 Resp: 18480

Ion	Ratio	Lower	Upper
45	100		
46	39.9	17.1	68.3



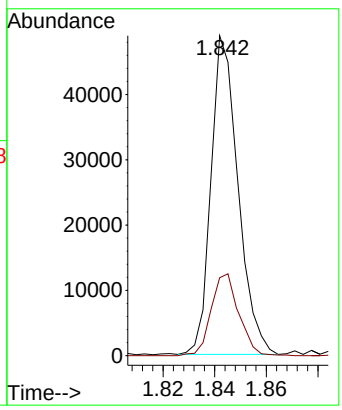


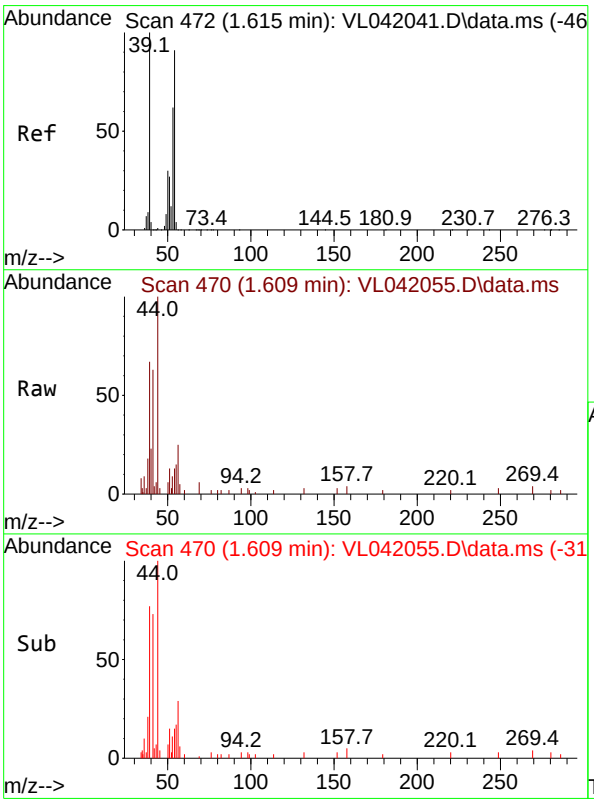
#15
Acetone
Concen: 2.563 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 35580

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.7	31.1

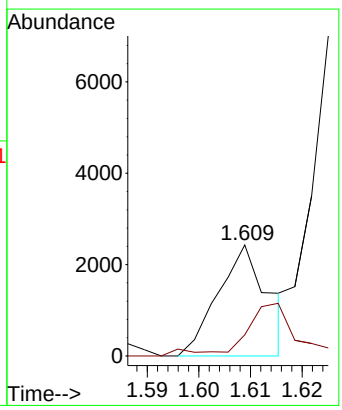


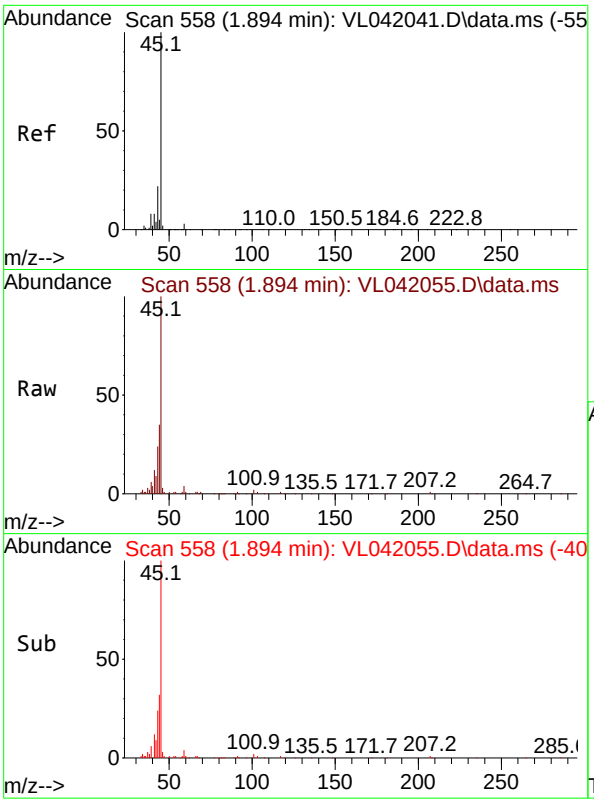


#16
1,3-Butadiene
Concen: 0.253 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.007 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 39 Resp: 1636

Ion	Ratio	Lower	Upper
39	100		
54	51.8	59.6	89.4#



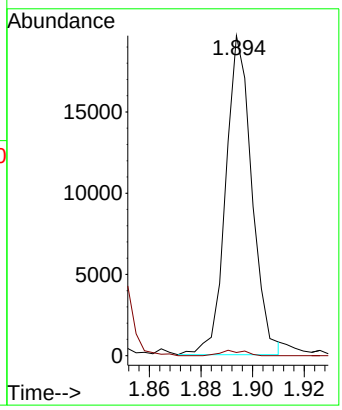


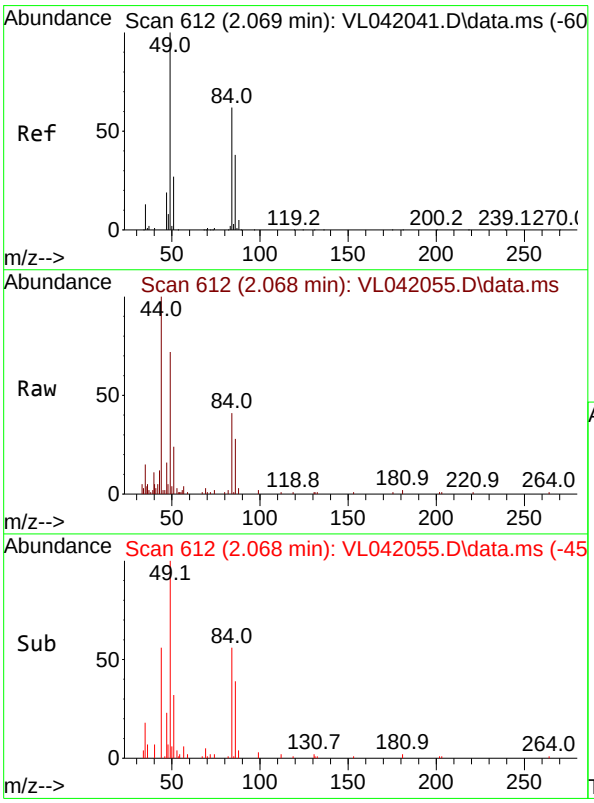
#19
Isopropyl Alcohol
Concen: 1.735 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 13839

Ion	Ratio	Lower	Upper
45	100		
58	67.4	35.3	52.9#

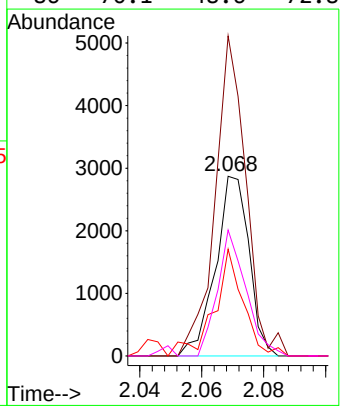


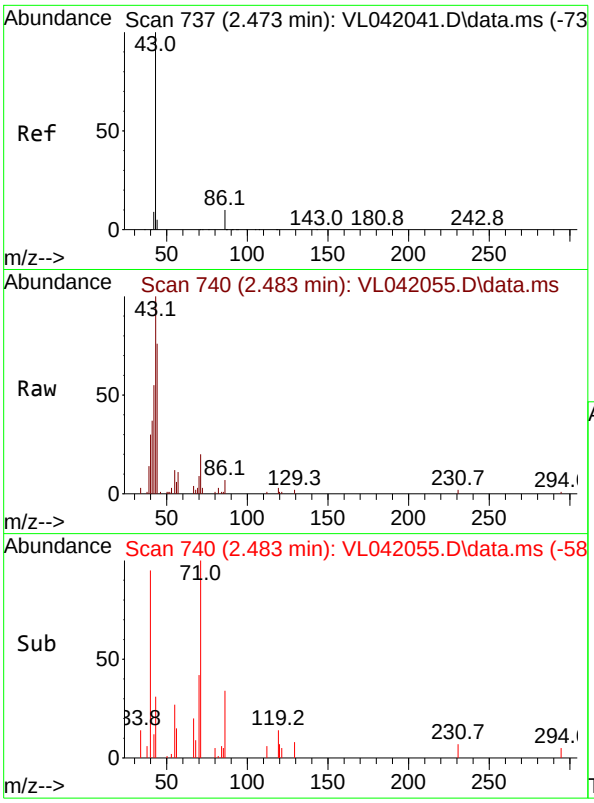


#20
Methylene Chloride
Concen: 0.410 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 84 Resp: 2153

Ion	Ratio	Lower	Upper
84	100		
49	173.7	130.0	195.0
51	54.7	37.4	56.0
86	70.1	48.6	72.8



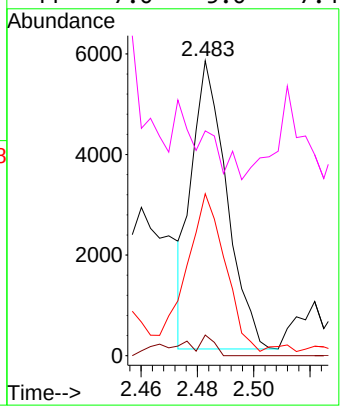


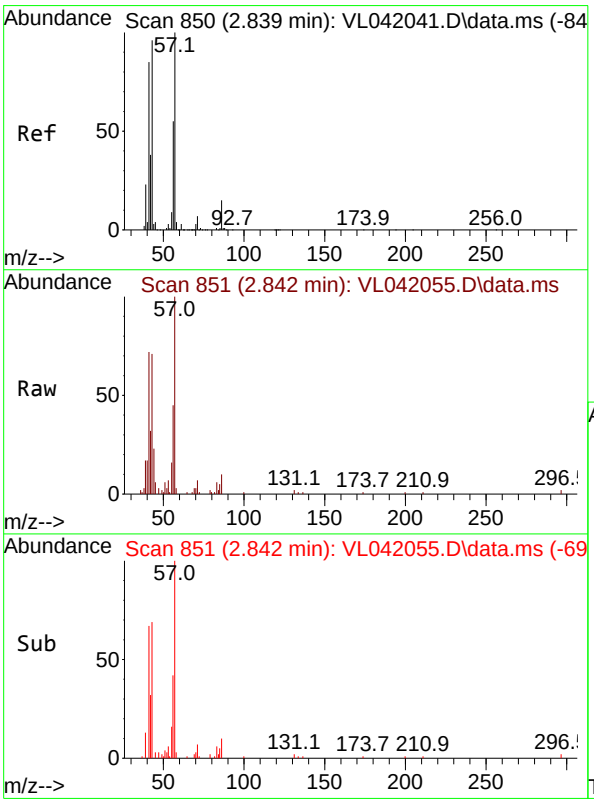
#23
Vinyl Acetate
Concen: 0.506 ppbv
RT: 2.483 min Scan# 74
Delta R.T. 0.010 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 4943

Ion	Ratio	Lower	Upper
43	100		
86	7.1	7.0	10.4
42	53.0	7.6	11.4#
44	7.0	5.0	7.4

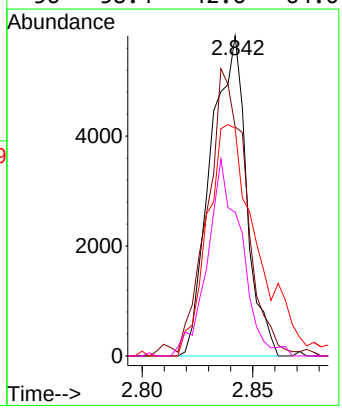


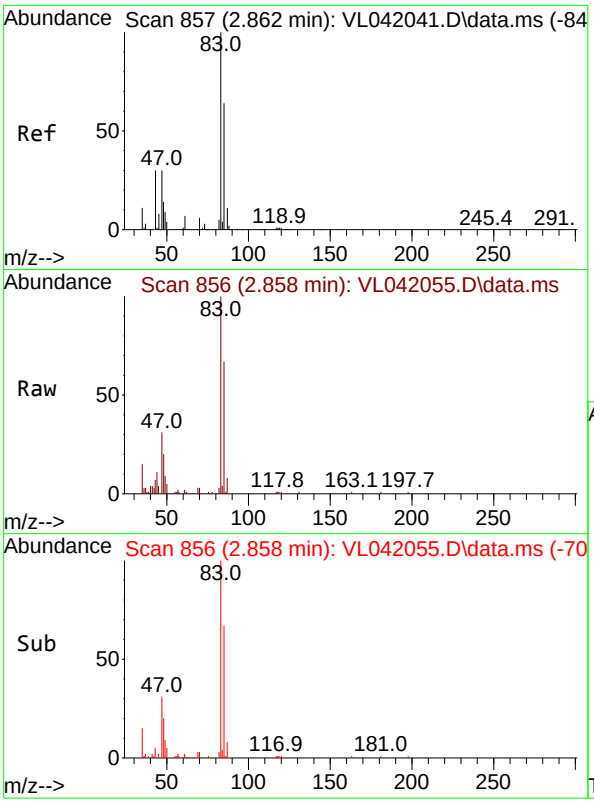


#26
Hexane
Concen: 0.292 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 57 Resp: 6563

Ion	Ratio	Lower	Upper
57	100		
41	98.9	70.6	106.0
43	105.2	199.4	299.0#
56	58.4	42.6	64.0



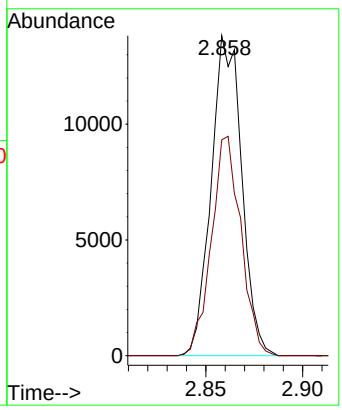


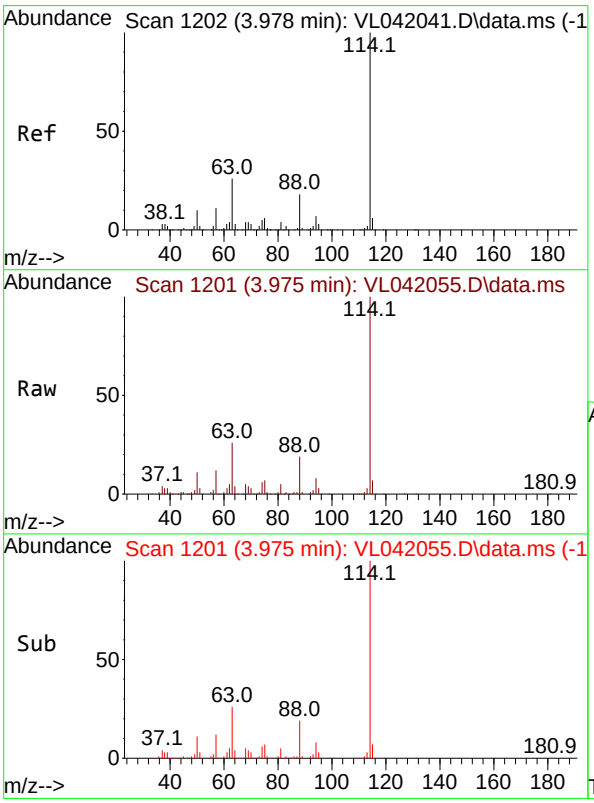
#29
Chloroform
Concen: 0.501 ppbv
RT: 2.858 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 83 Resp: 15138

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.2	76.8

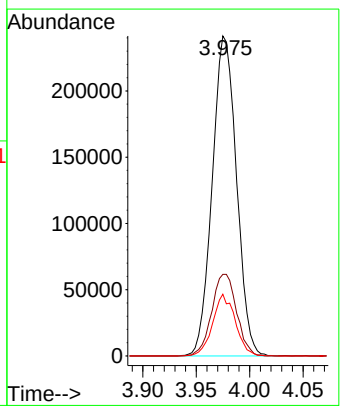


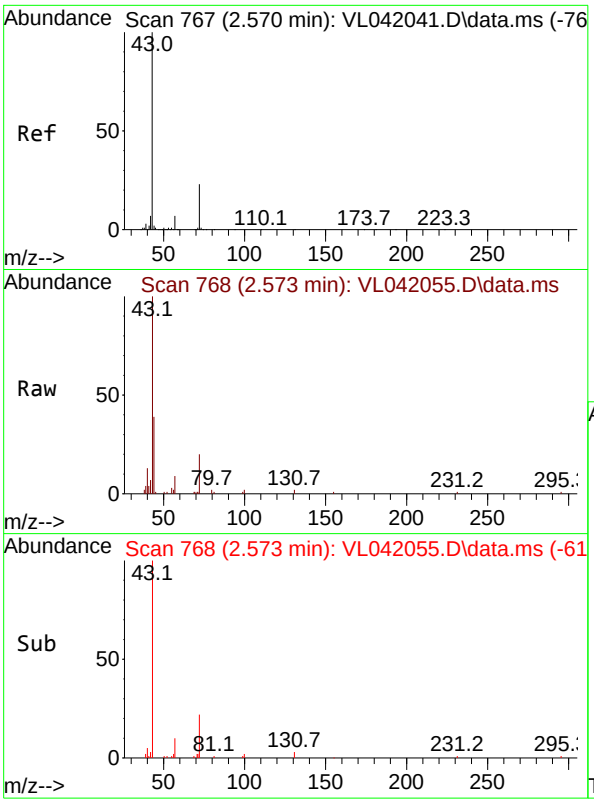


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:114 Resp: 381648

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.1	30.1
88	18.0	14.3	21.5



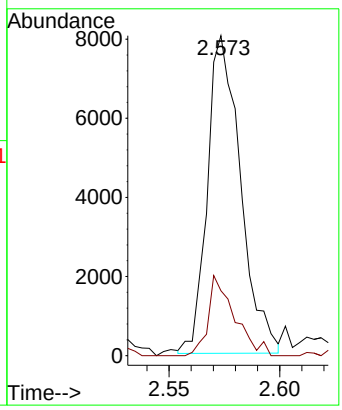


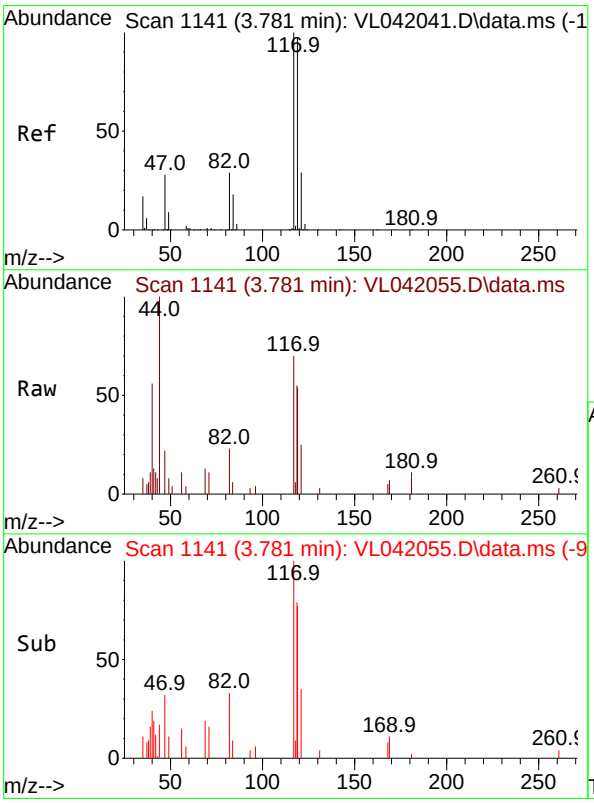
#34
2-Butanone
Concen: 0.282 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 8375

Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.5	27.7

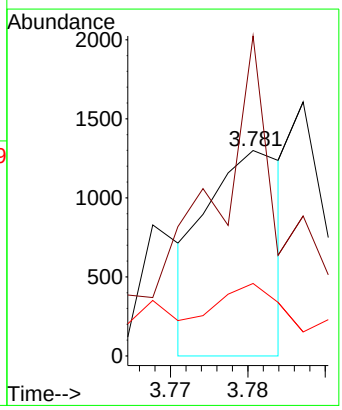


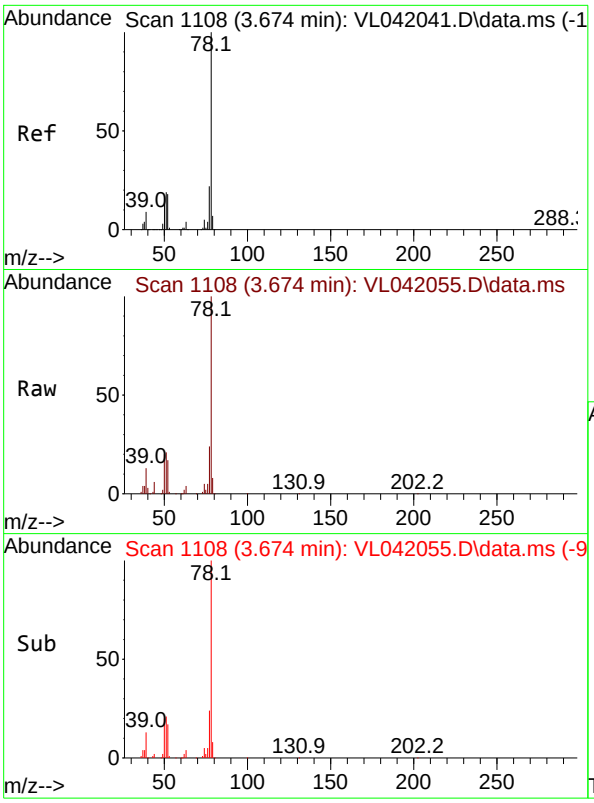


#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:117 Resp: 892

Ion	Ratio	Lower	Upper
117	100		
119	236.9	77.8	116.8#
121	40.1	23.4	35.0#



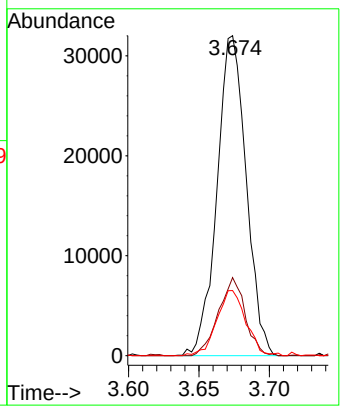


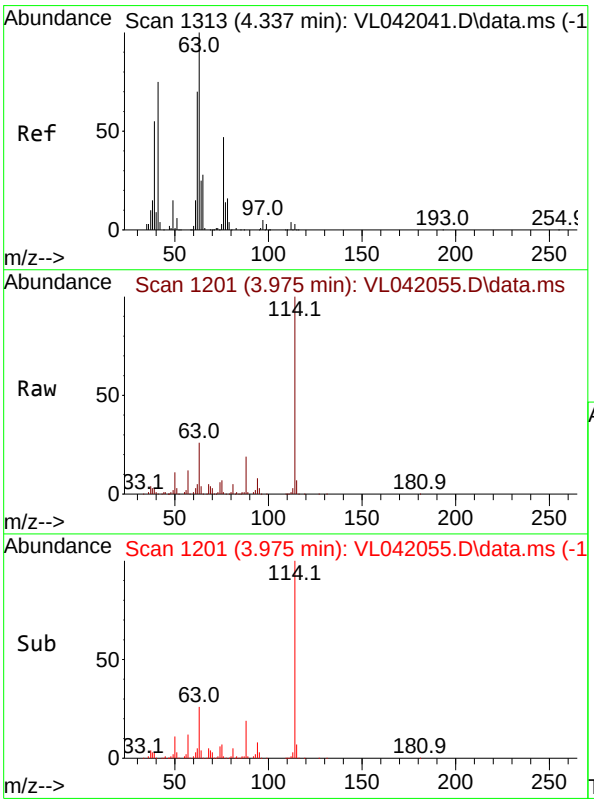
#36
Benzene
Concen: 1.157 ppbv
RT: 3.674 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 78 Resp: 46245

Ion	Ratio	Lower	Upper
78	100		
77	24.4	17.7	26.5
50	20.4	13.9	20.9

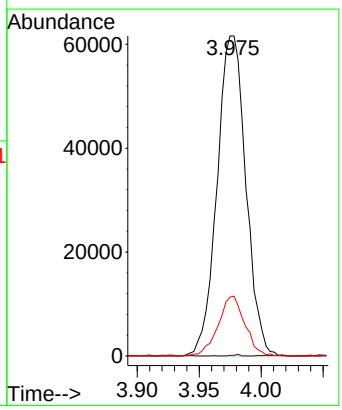


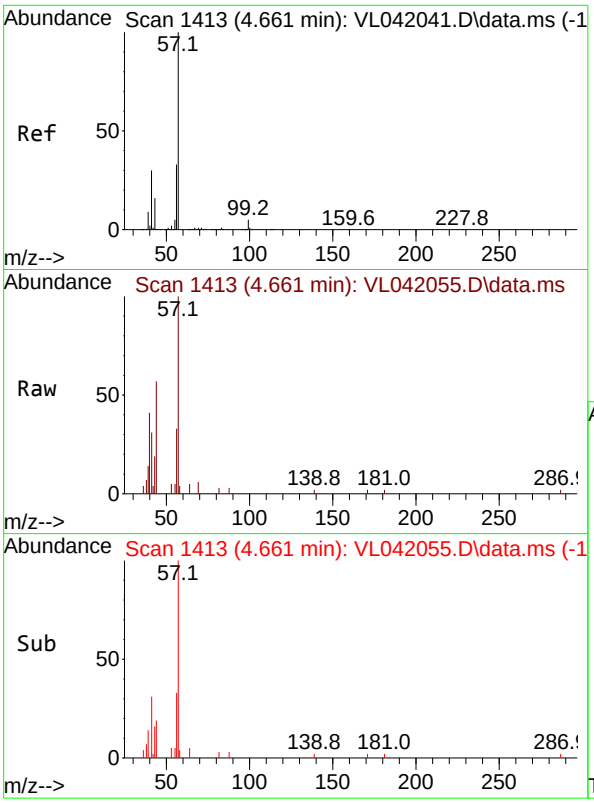


#39
1,2-Dichloropropane
Concen: 6.581 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.363 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion: 63 Resp: 99797

Ion	Ratio	Lower	Upper
63	100		
41	0.2	60.1	90.1#
62	18.4	55.8	83.8#



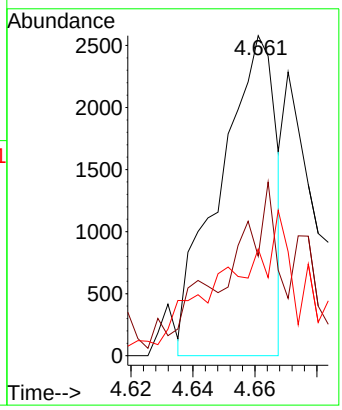


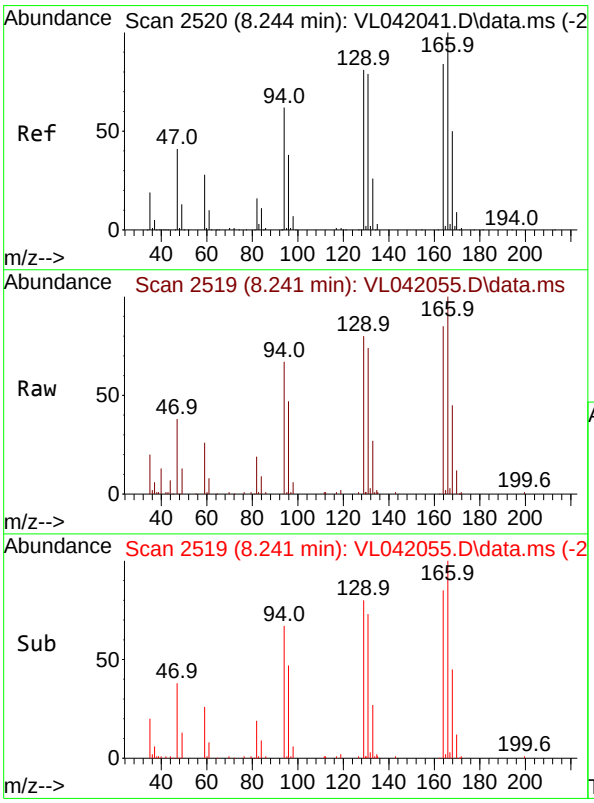
#44
2,2,4-Trimethylpentane
Concen: 0.046 ppbv
RT: 4.661 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 57 Resp: 3246

Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.4	36.6#
56	0.0	26.5	39.7#

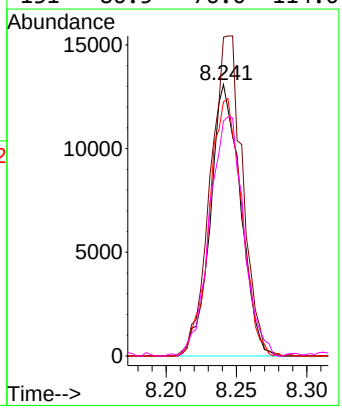


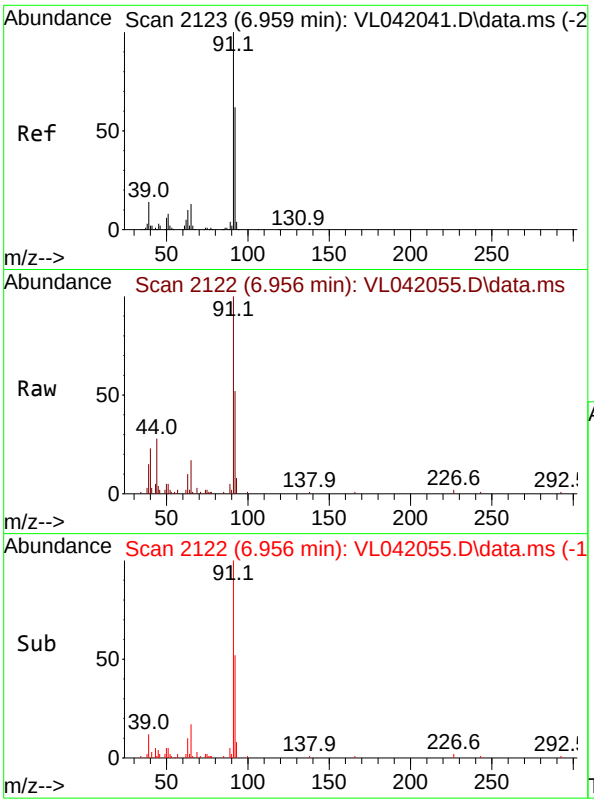


#52
Tetrachloroethene
Concen: 1.433 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:164 Resp: 19604

Ion	Ratio	Lower	Upper
164	100		
166	116.9	95.7	143.5
129	94.7	77.1	115.7
131	86.5	76.0	114.0



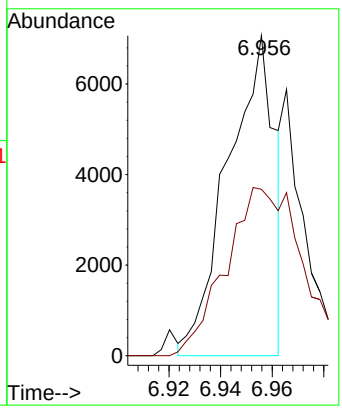


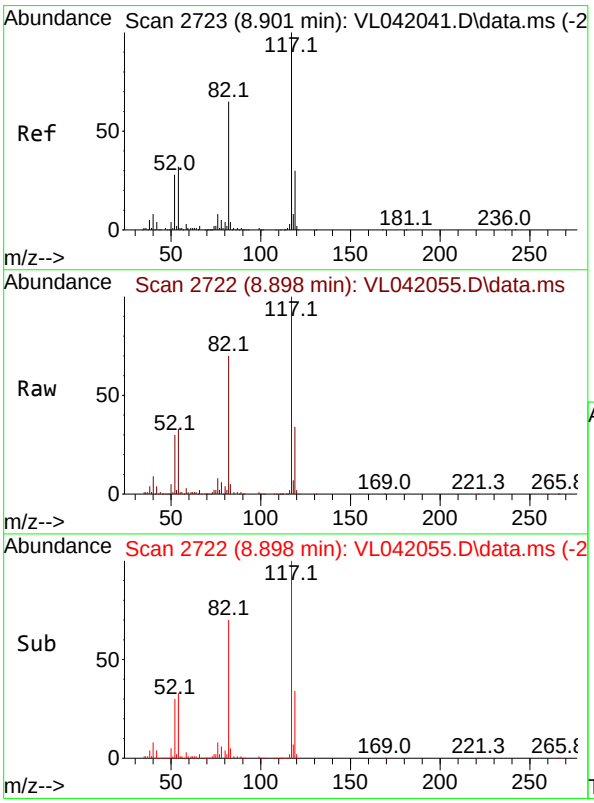
#53
Toluene
Concen: 0.199 ppbv
RT: 6.956 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 8869

Ion	Ratio	Lower	Upper
91	100		
92	85.1	49.0	73.6#

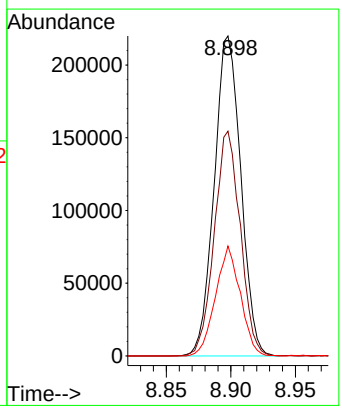


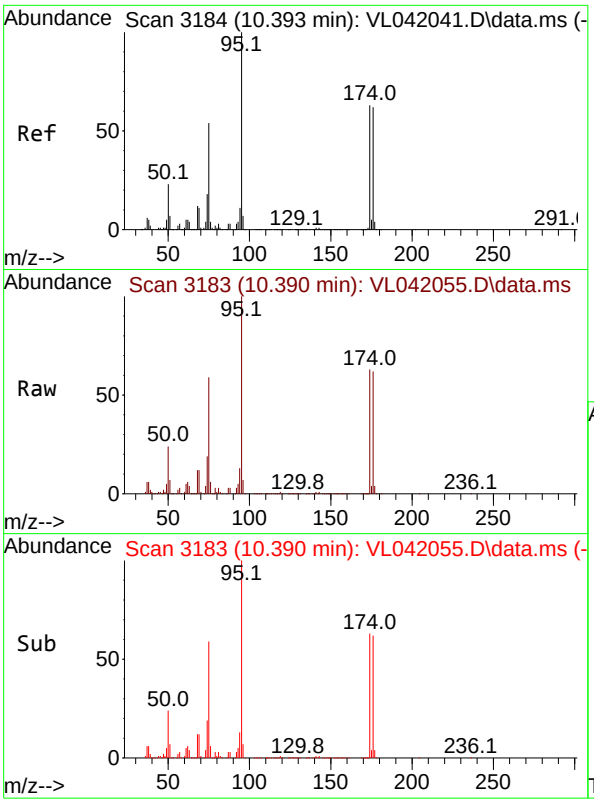


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:117 Resp: 315276

Ion	Ratio	Lower	Upper
117	100		
82	68.6	55.0	82.6
119	32.0	25.9	38.9



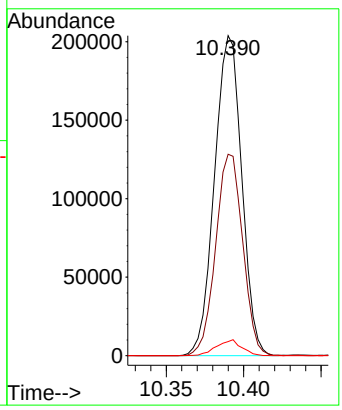


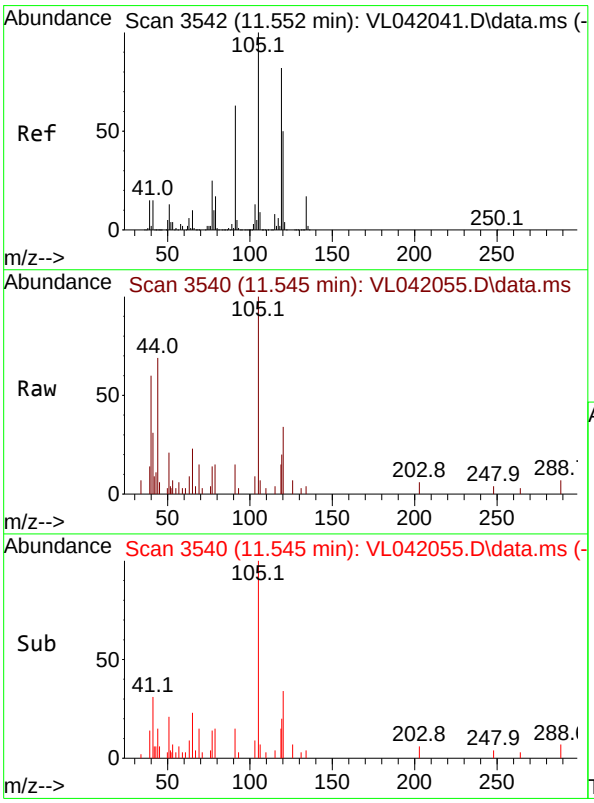
#68
1-Bromo-4-Fluorobenzene
Concen: 10.287 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 95 Resp: 249506

Ion	Ratio	Lower	Upper
95	100		
174	62.5	51.8	77.6
175	4.6	3.9	5.9

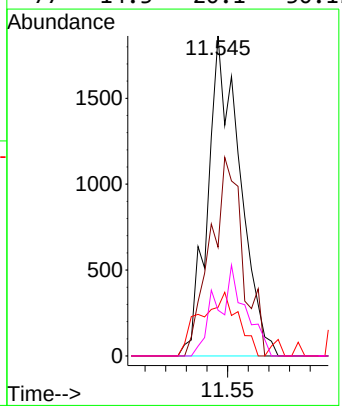


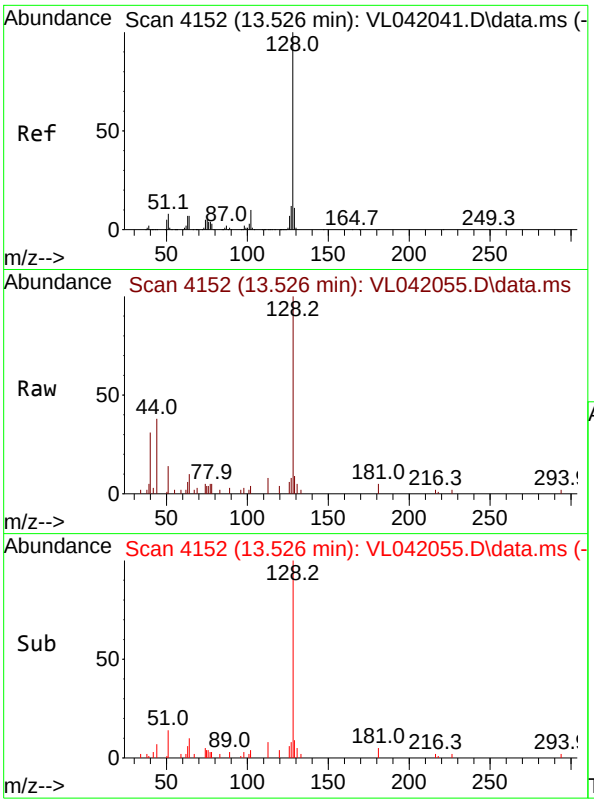


#74
1,2,4-Trimethylbenzene
Concen: 0.036 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.007 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:105 Resp: 2021

Ion	Ratio	Lower	Upper
105	100		
120	34.0	40.2	60.2#
91	15.2	51.4	77.2#
77	14.3	20.1	30.1#



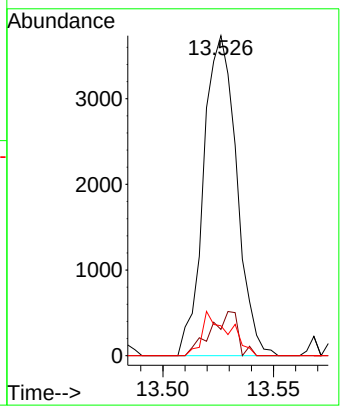


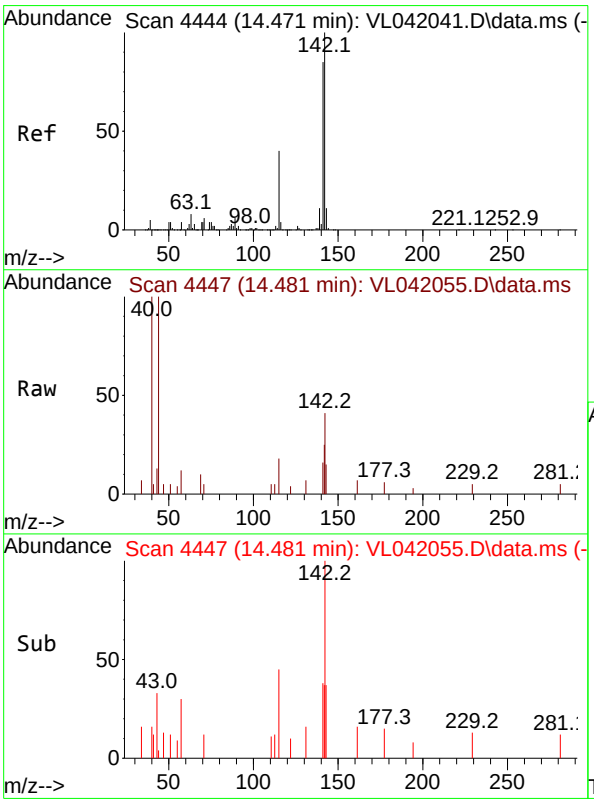
#79
Naphthalene
Concen: 0.102 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:128 Resp: 3874

Ion	Ratio	Lower	Upper
128	100		
127	8.2	9.8	14.6#
129	9.4	8.6	12.8

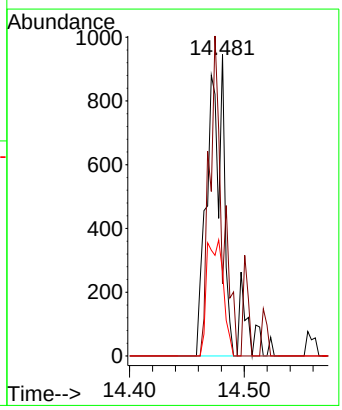


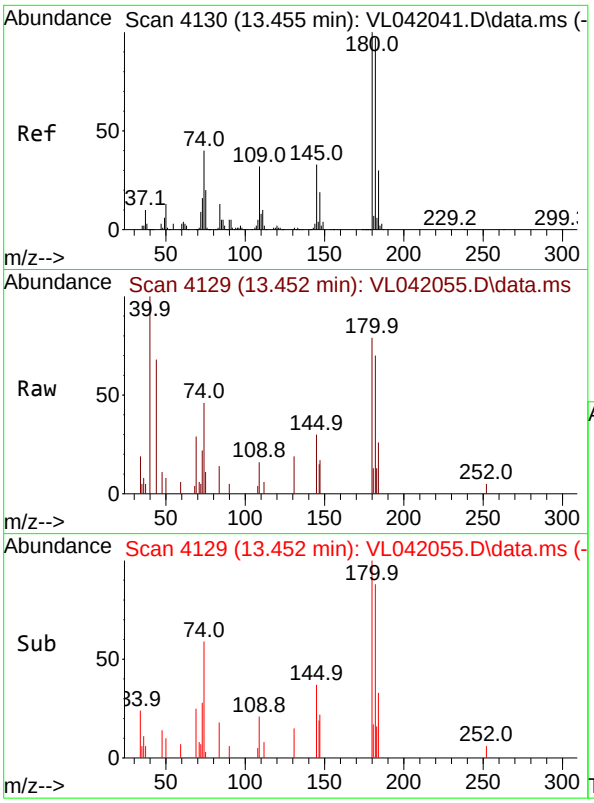


#80
Naphthalene,2-methyl-
Concen: 0.100 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.010 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:142 Resp: 1043

Ion	Ratio	Lower	Upper
142	100		
141	89.5	65.8	98.6
115	34.9	29.5	44.3





#81
1,2,4-Trichlorobenzene
Concen: 0.048 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:180 Resp: 1008

Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.1	112.7
184	30.0	23.8	35.6