Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042125.D
Acq On : 10 Mar 2025 15:10
Operator : SY/MD
Sample : Q1532-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
3

Quant Time: Mar 11 01:25:51 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	165184	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	383076	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	325600	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	257724	10.288	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	8811	0.513	ppbv		98
3) Chlorodifluoromethane	1.479	51	5361m	0.223	ppbv		
4) Chloromethane	1.538	50	3667	0.577	ppbv		90
9) Propene	1.492	41	14075m	1.439	ppbv		
11) Trichlorofluoromethane	1.884	101	4245	0.247	ppbv		98
13) Ethanol	1.725	45	49066	79.029	ppbv		91
15) Acetone	1.842	43	95309	6.534	ppbv		99
17) tert-Butyl alcohol	2.052	59	2468m	0.135	ppbv		
19) Isopropyl Alcohol	1.894	45	80421	9.598	ppbv	#	35
20) Methylene Chloride	2.068	84	8194	1.485	ppbv		90
34) 2-Butanone	2.573	43	20566	0.689	ppbv		93
35) Carbon Tetrachloride	3.781	117	1856m	0.070	ppbv		
36) Benzene	3.671	78	5810	0.145	ppbv	#	82
52) Tetrachloroethene	8.244	164	935m	0.068	ppbv		
53) Toluene	6.959	91	16945	0.378	ppbv		93
59) m/p-Xylene	9.545	91	13078m	0.274	ppbv		

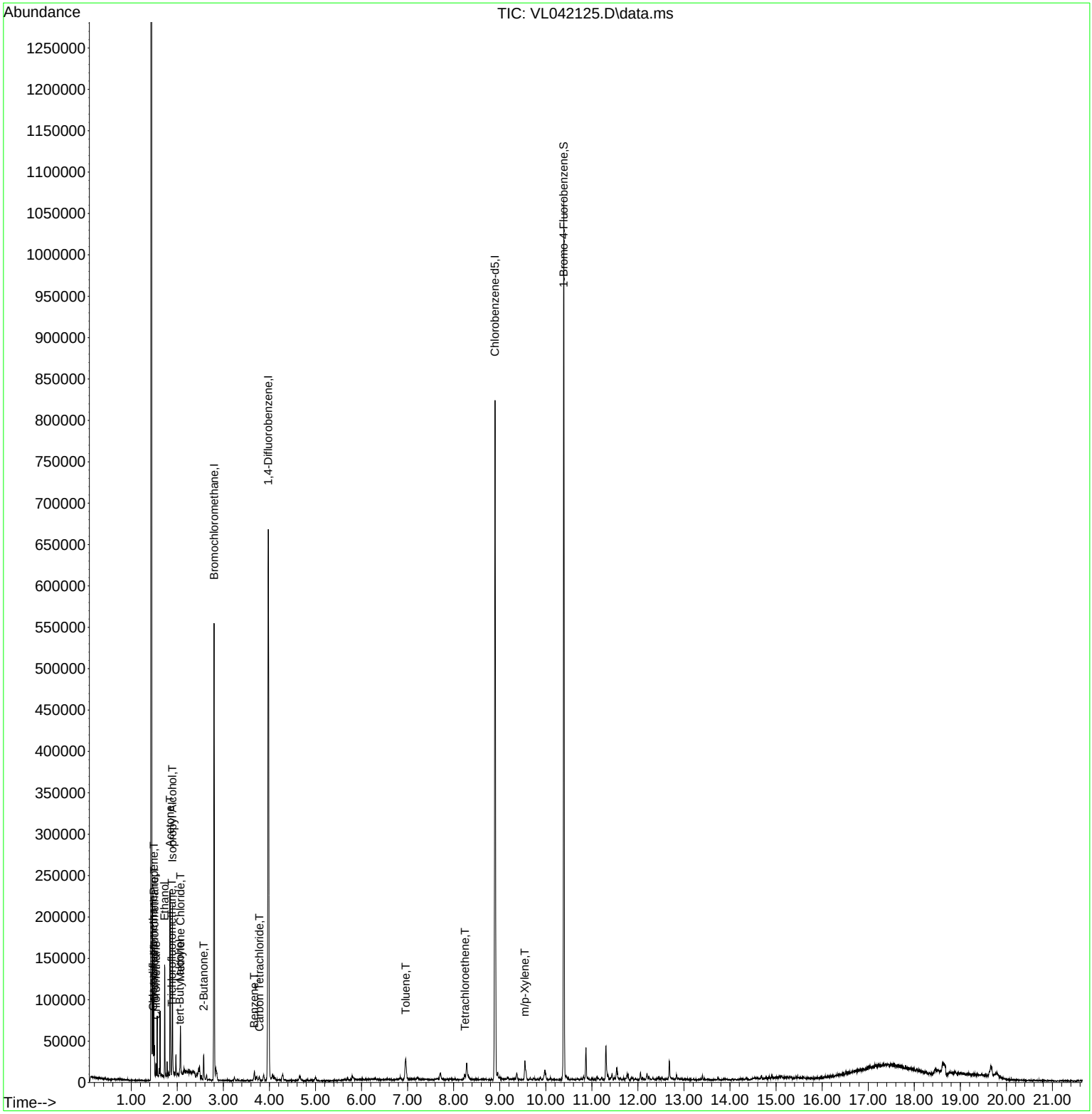
(#) = qualifier out of range (m) = manual integration (+) = signals summed

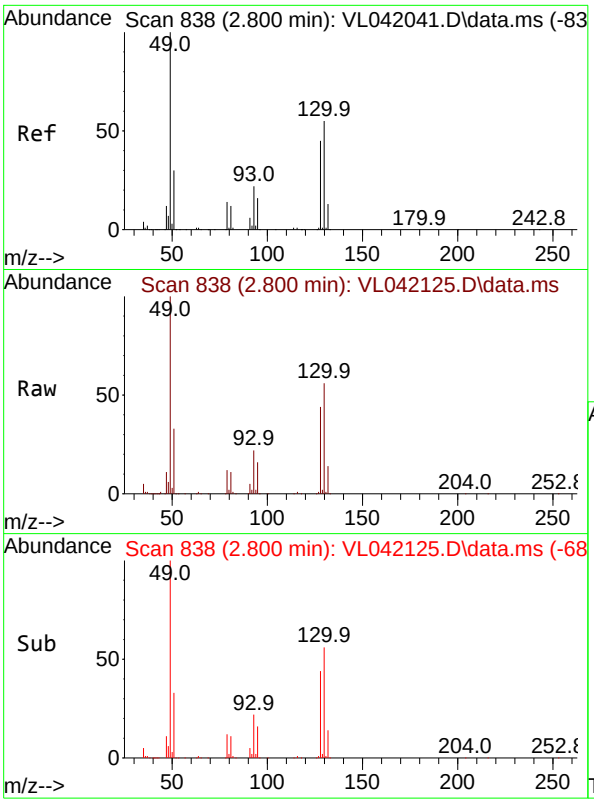
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042125.D
Acq On : 10 Mar 2025 15:10
Operator : SY/MD
Sample : Q1532-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
3

Quant Time: Mar 11 01:25:51 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



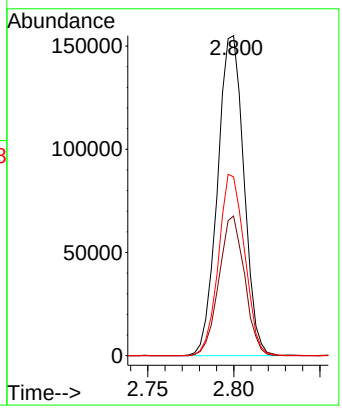


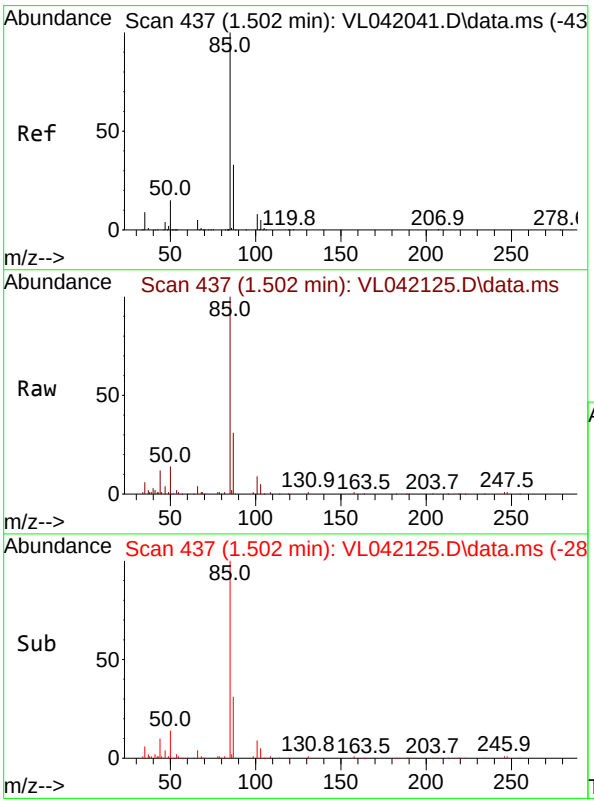
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 49 Resp: 165184

Ion	Ratio	Lower	Upper
49	100		
128	42.5	21.6	64.8
130	56.3	27.8	83.4

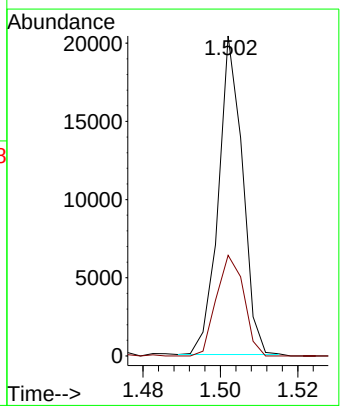


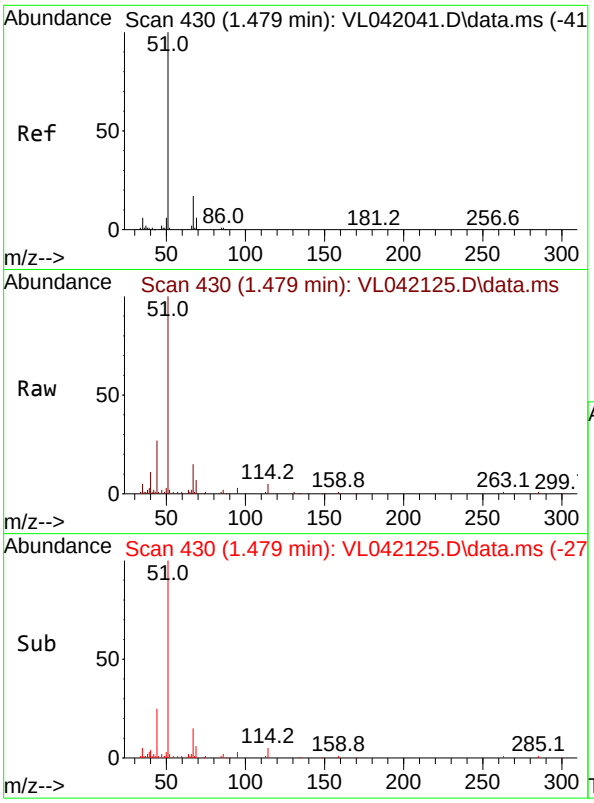


#2
Dichlorodifluoromethane
Concen: 0.513 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion: 85 Resp: 8811

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.4	39.6



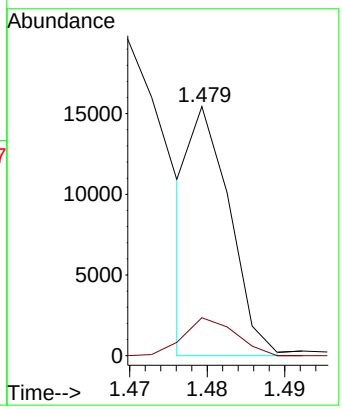


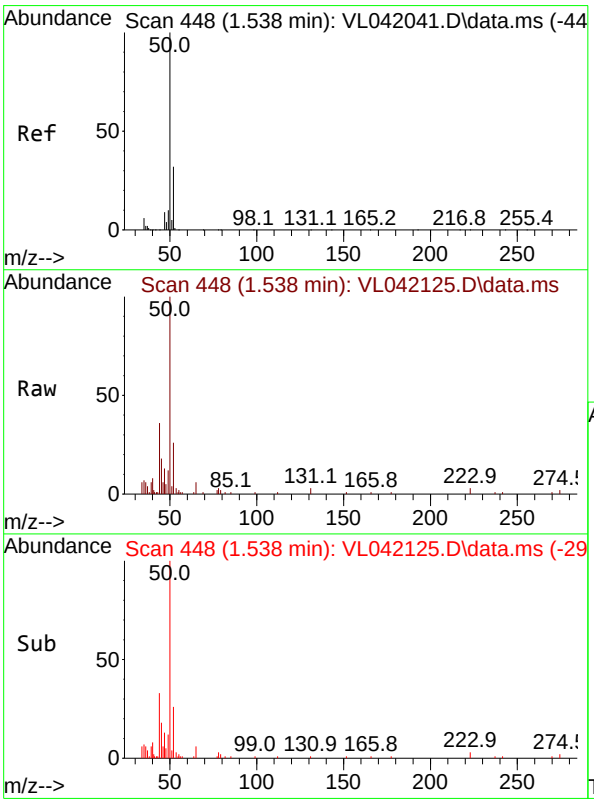
#3
Chlorodifluoromethane
Concen: 0.223 ppbv m
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 51 Resp: 5361

Ion	Ratio	Lower	Upper
51	100		
67	20.6	13.7	20.5#

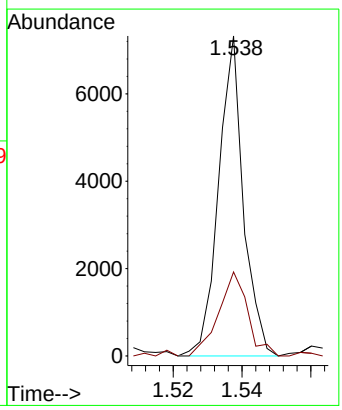


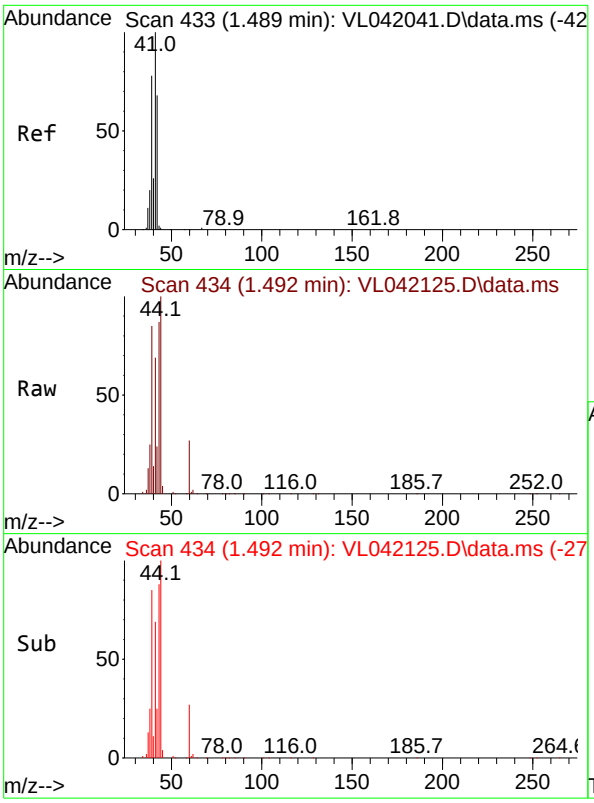


#4
Chloromethane
Concen: 0.577 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion: 50 Resp: 3667

Ion	Ratio	Lower	Upper
50	100		
52	26.2	25.4	38.0



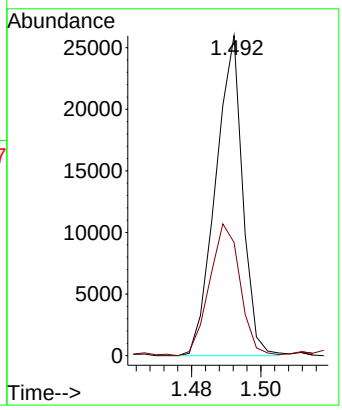


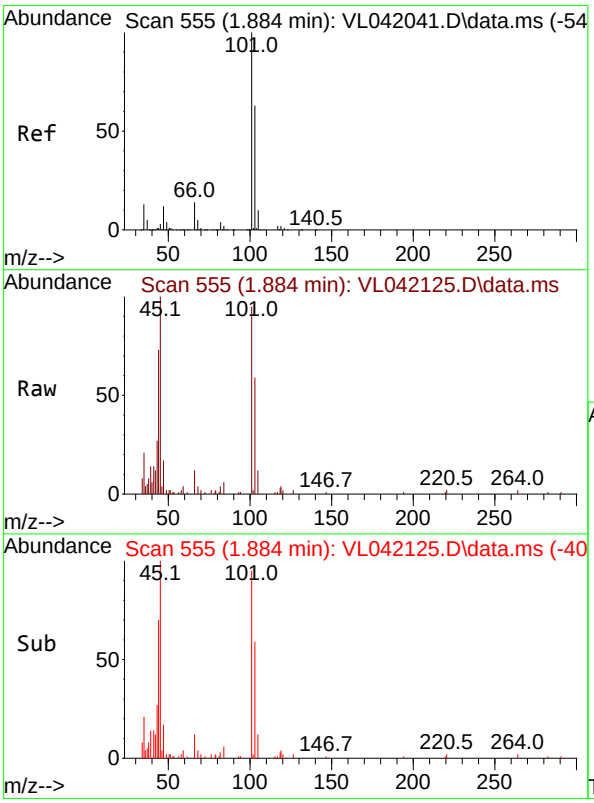
#9
Propene
Concen: 1.439 ppbv m
RT: 1.492 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 41 Resp: 14075

Ion	Ratio	Lower	Upper
41	100		
42	30.4	55.8	83.6#

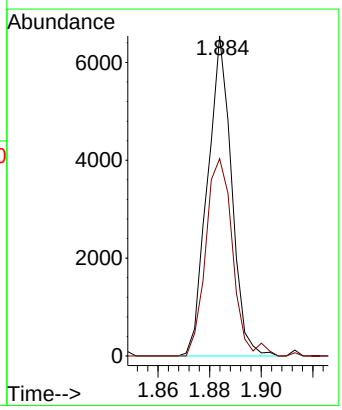


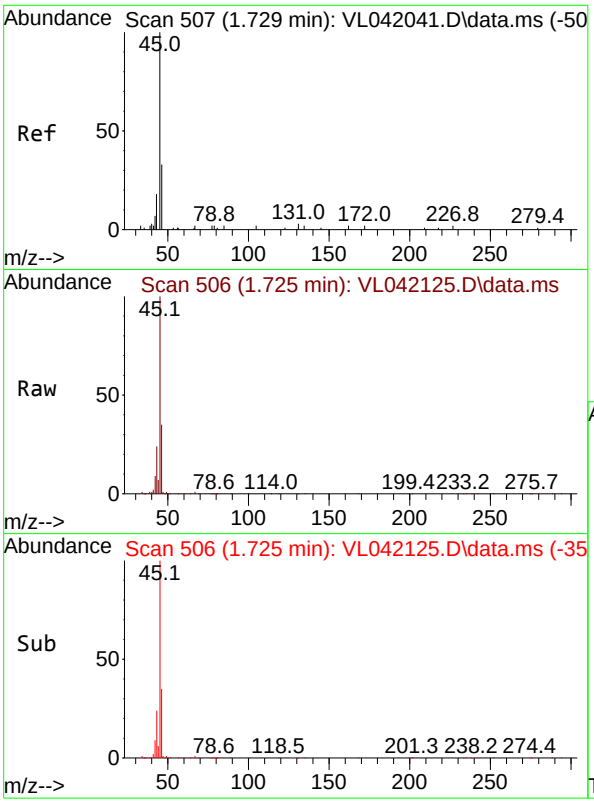


#11
Trichlorofluoromethane
Concen: 0.247 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:101 Resp: 4245

Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.6	75.8



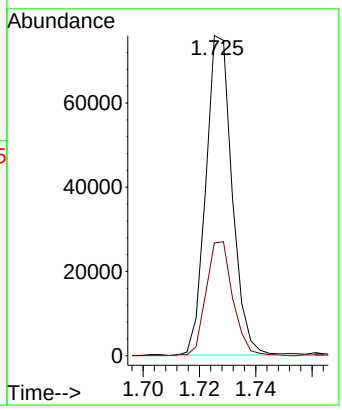


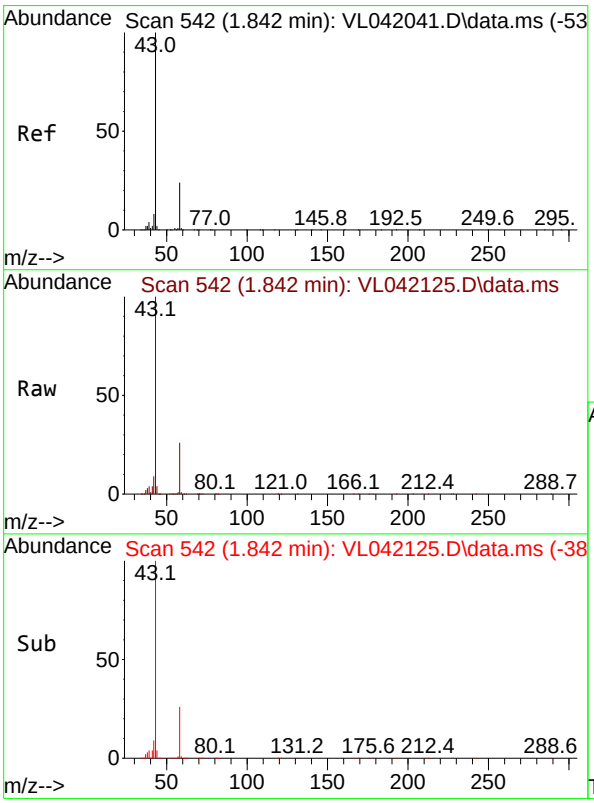
#13
Ethanol
Concen: 79.029 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 45 Resp: 49066

Ion	Ratio	Lower	Upper
45	100		
46	36.6	17.1	68.3

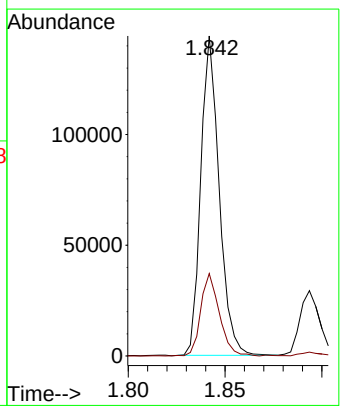


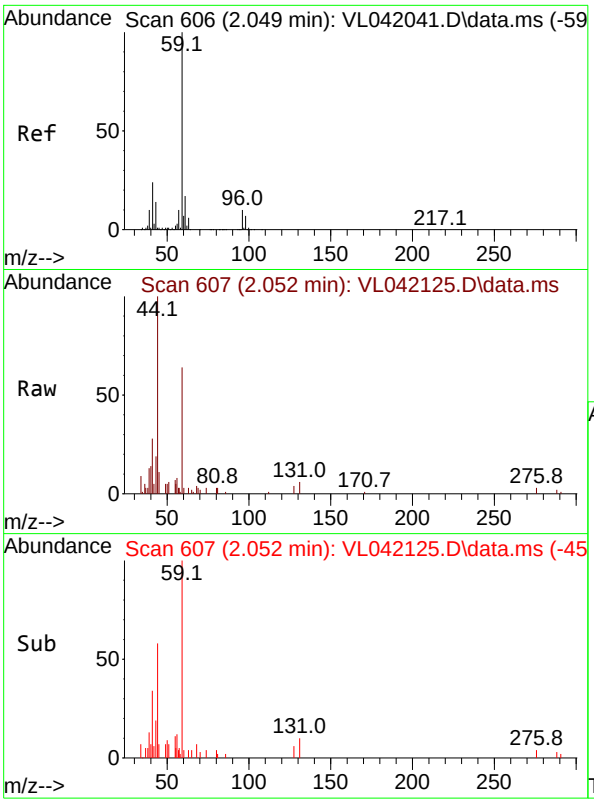


#15
Acetone
Concen: 6.534 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion: 43 Resp: 95309

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.7	31.1



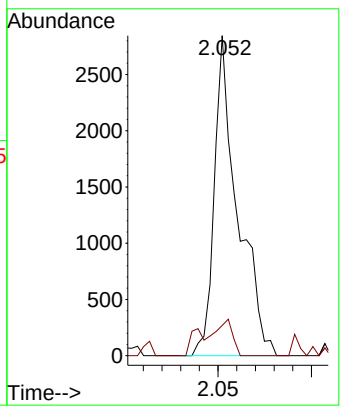


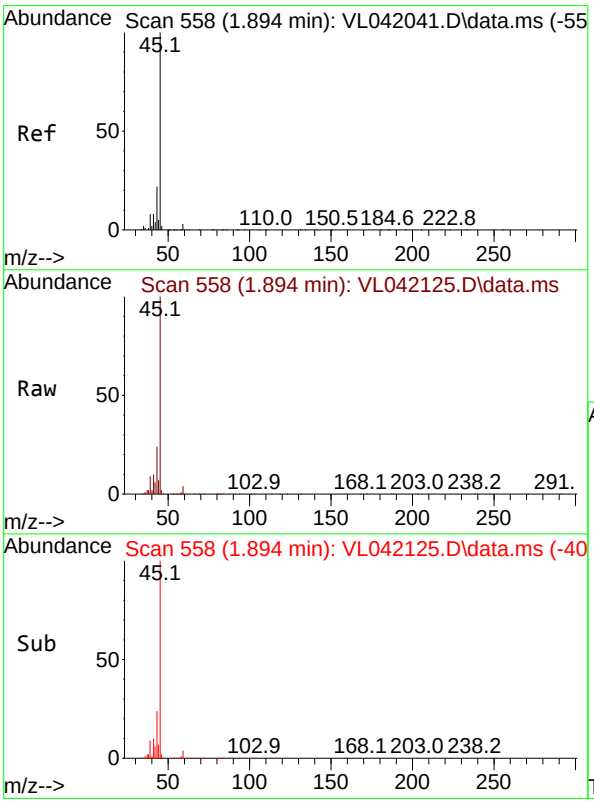
#17
tert-Butyl alcohol
Concen: 0.135 ppbv m
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 59 Resp: 2468

Ion	Ratio	Lower	Upper
59	100		
57	13.6	9.3	13.9

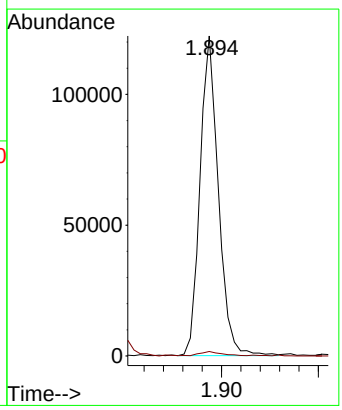


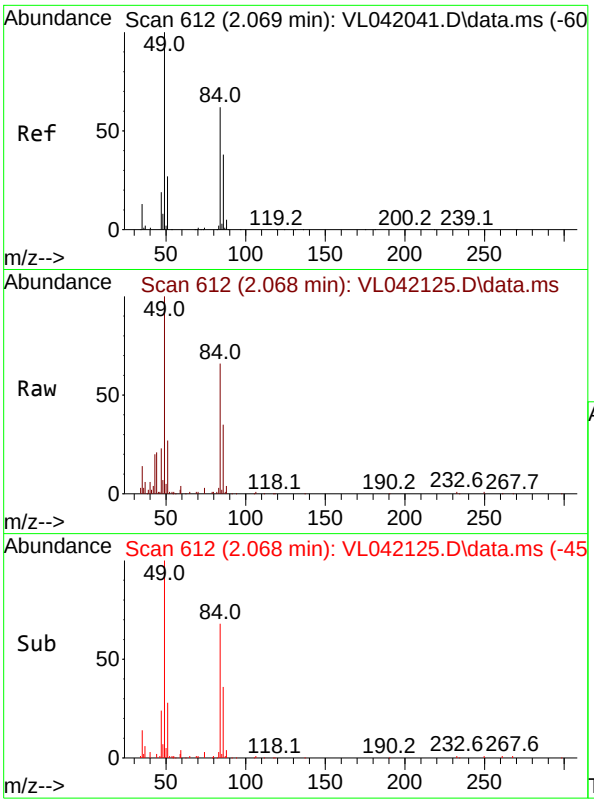


#19
Isopropyl Alcohol
Concen: 9.598 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion: 45 Resp: 80421

Ion	Ratio	Lower	Upper
45	100		
58	2.0	35.3	52.9#



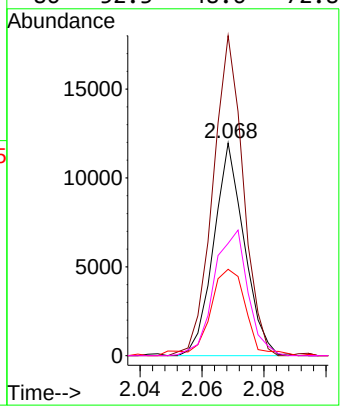


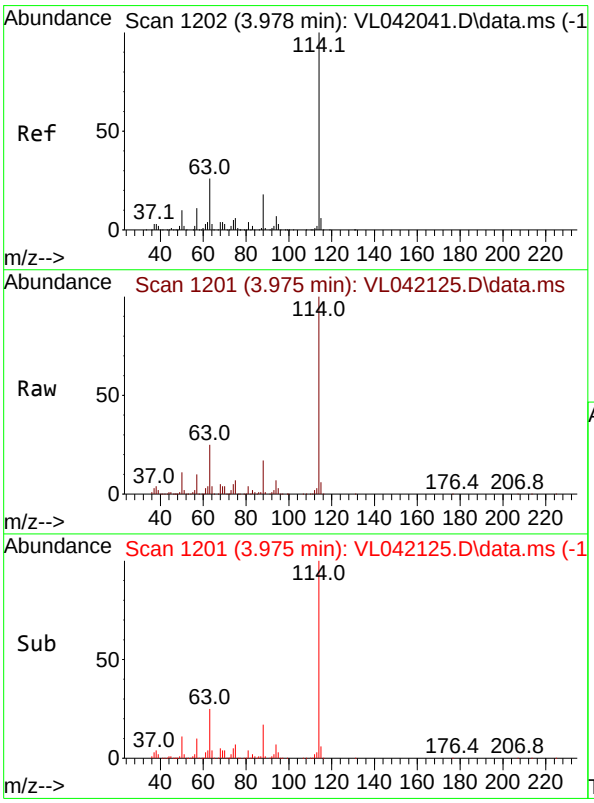
#20
Methylene Chloride
Concen: 1.485 ppbv
RT: 2.068 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 84 Resp: 8194

Ion	Ratio	Lower	Upper
84	100		
49	150.4	130.0	195.0
51	38.6	37.4	56.0
86	52.3	48.6	72.8

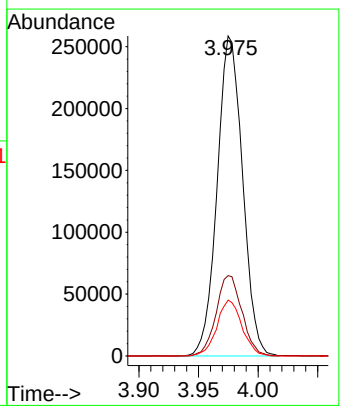


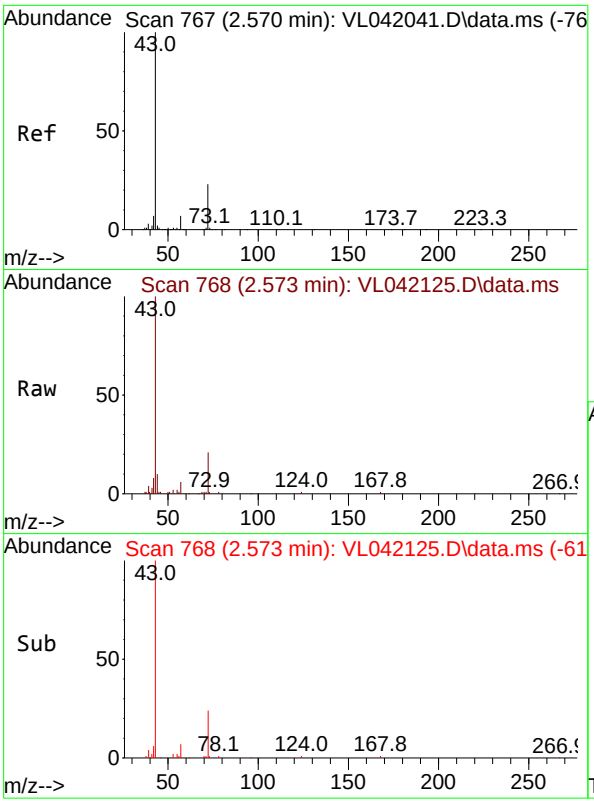


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:114 Resp: 383076

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	17.2	14.3	21.5



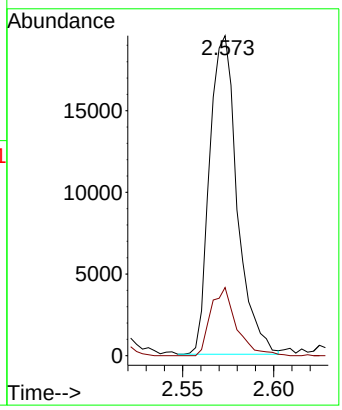


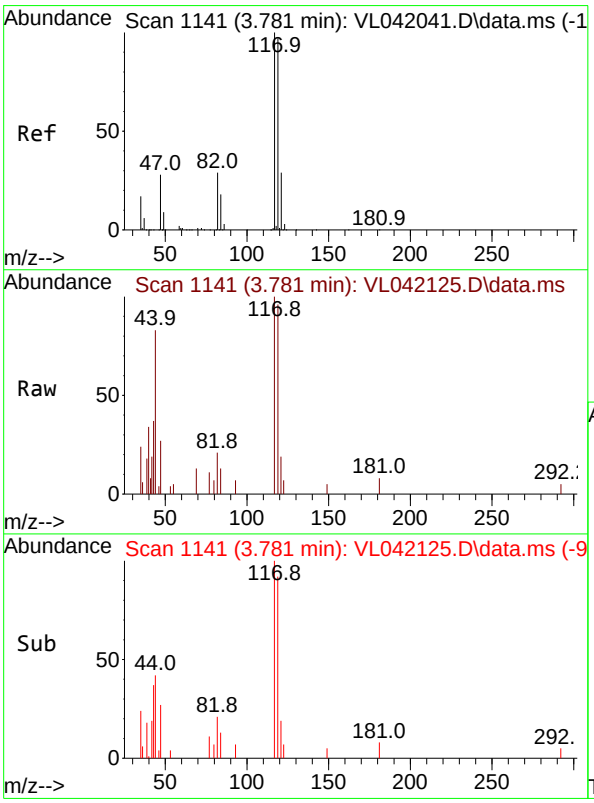
#34
2-Butanone
Concen: 0.689 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 43 Resp: 20566

Ion	Ratio	Lower	Upper
43	100		
72	19.9	18.5	27.7

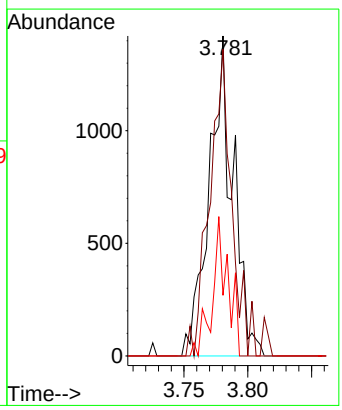


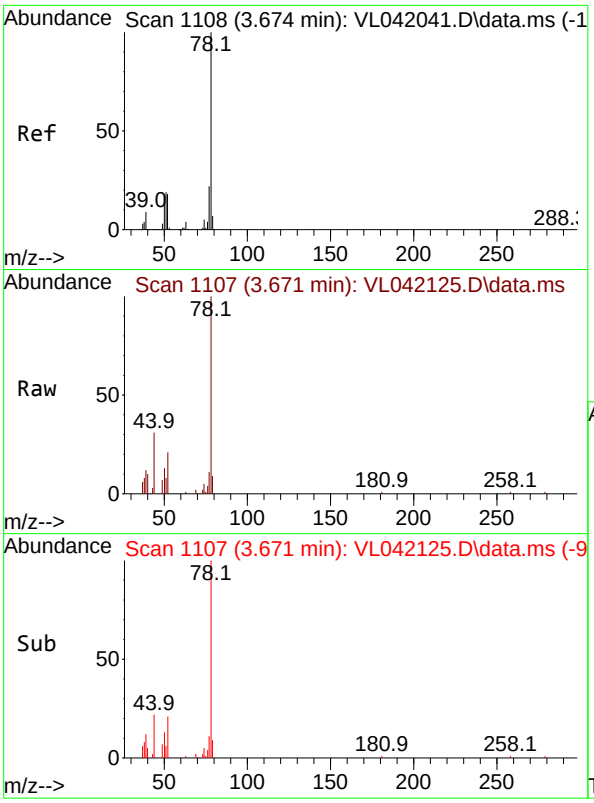


#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 3.781 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:117 Resp: 1856

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.8
121	18.9	23.4	35.0#



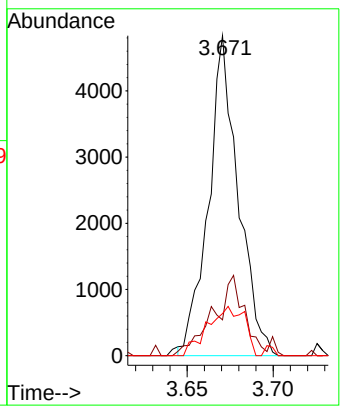


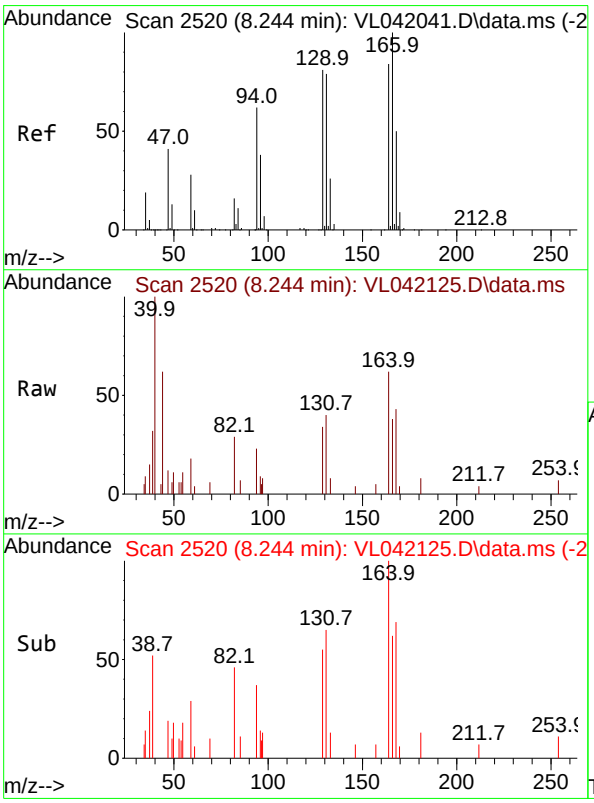
#36
Benzene
Concen: 0.145 ppbv
RT: 3.671 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 78 Resp: 5810

Ion	Ratio	Lower	Upper
78	100		
77	10.1	17.7	26.5#
50	13.1	13.9	20.9#

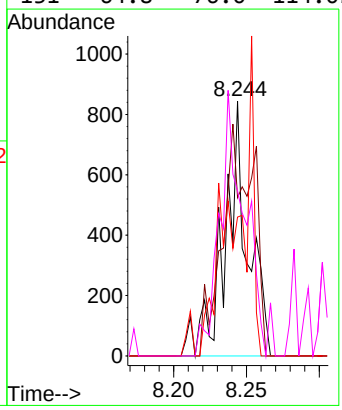


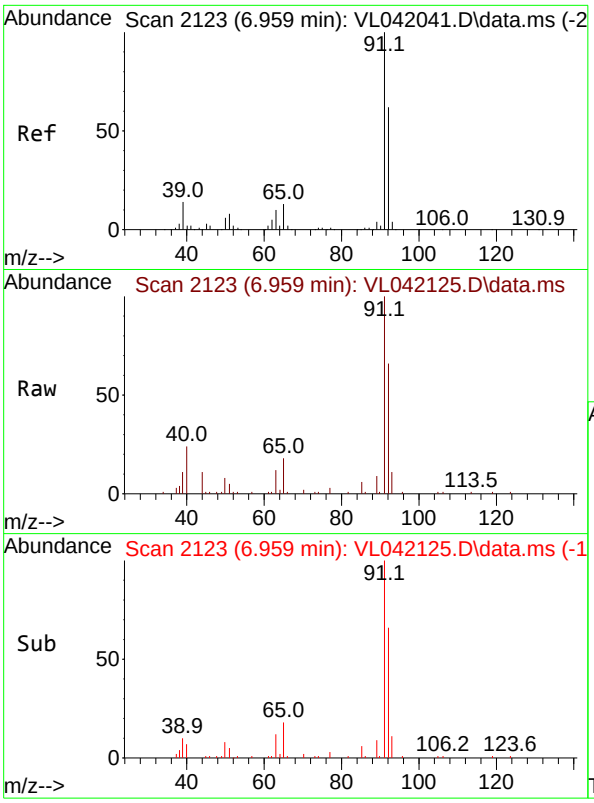


#52
Tetrachloroethene
Concen: 0.068 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:164 Resp: 935

Ion	Ratio	Lower	Upper
164	100		
166	62.1	95.7	143.5#
129	54.5	77.1	115.7#
131	64.8	76.0	114.0#



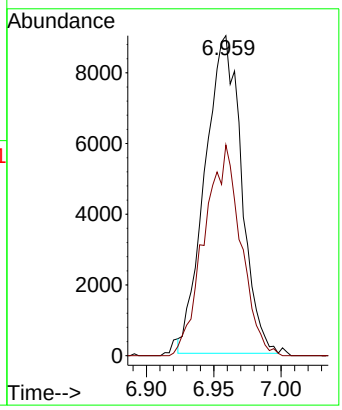


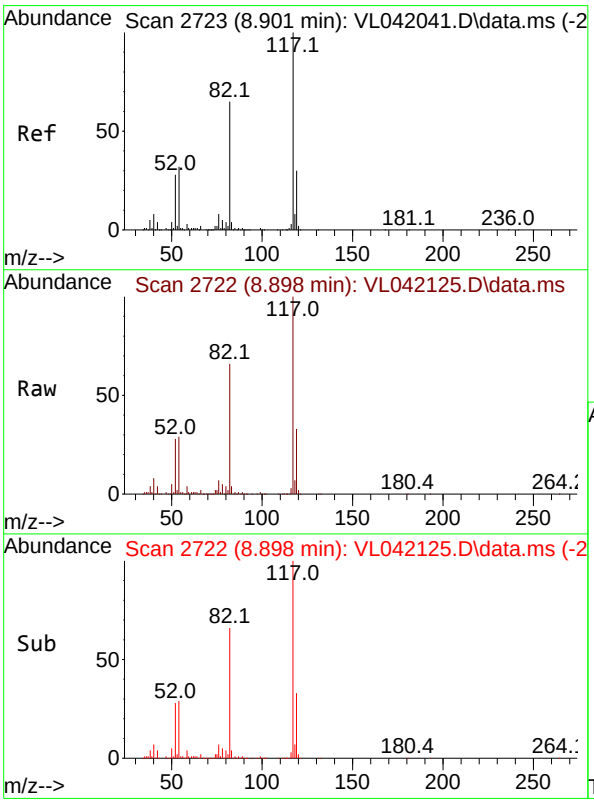
#53
Toluene
Concen: 0.378 ppbv
RT: 6.959 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 91 Resp: 16945

Ion	Ratio	Lower	Upper
91	100		
92	66.4	49.0	73.6

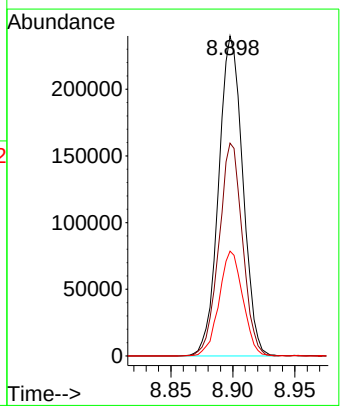


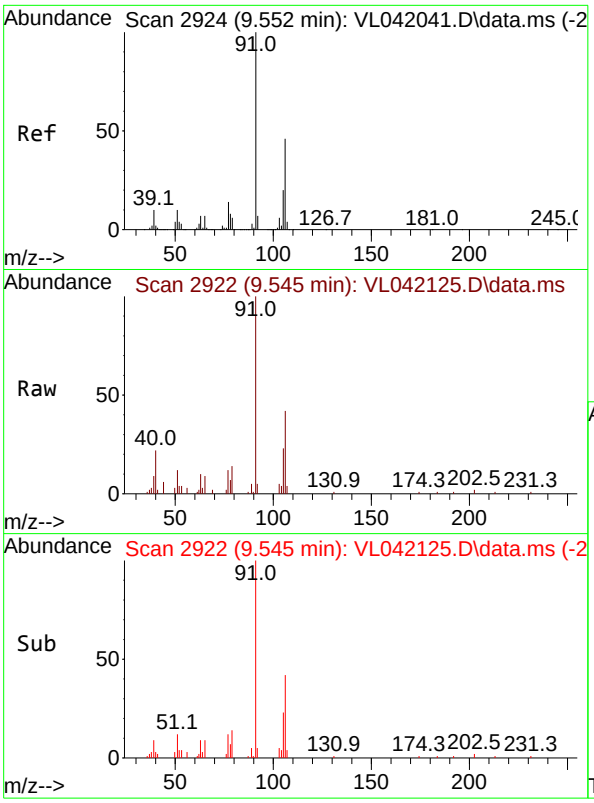


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:117 Resp: 325600

Ion	Ratio	Lower	Upper
117	100		
82	65.0	55.0	82.6
119	32.4	25.9	38.9



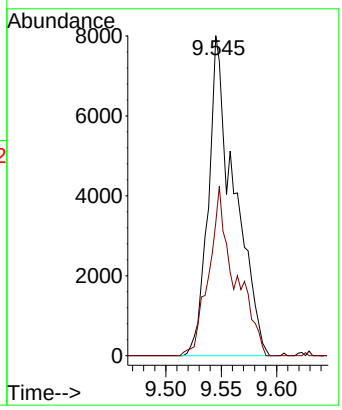


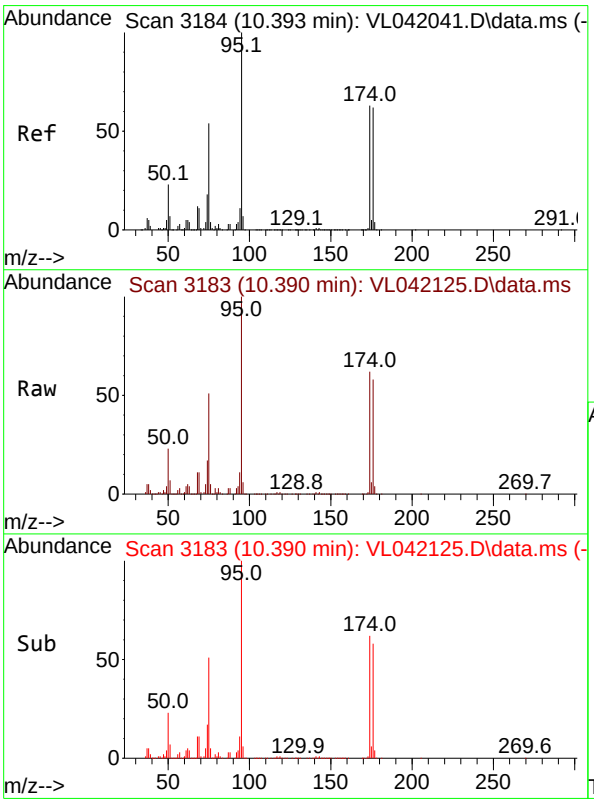
#59
m/p-Xylene
Concen: 0.274 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 91 Resp: 13078

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.288 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion: 95 Resp: 257724

Ion	Ratio	Lower	Upper
95	100		
174	63.7	51.8	77.6
175	4.7	3.9	5.9