Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042265.D
Acq On : 08 Apr 2025 15:56
Operator : SY/MD
Sample : Q1728-12 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Quant Time: Apr 09 01:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	157608	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.984	114	427230	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	370747	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	284068	9.330	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	1295	0.056	ppbv	97
4) Chloromethane	1.541	50	441	0.046	ppbv #	88
8) Dichlorotetrafluoroethane	1.505	85	1295	0.065	ppbv #	20
9) Propene	1.897	41	1989	0.183	ppbv	93
13) Ethanol	1.897	45	17693	17.177	ppbv #	27
15) Acetone	1.845	43	49256	2.235	ppbv	95
16) 1,3-Butadiene	1.609	39	2770	0.257	ppbv #	22
17) tert-Butyl alcohol	2.055	59	1481	0.054	ppbv #	94
19) Isopropyl Alcohol	1.897	45	17693	1.423	ppbv #	60
20) Methylene Chloride	2.072	84	2797	0.341	ppbv #	90
23) Vinyl Acetate	2.476	43	310	0.032	ppbv #	56
26) Hexane	2.842	57	1498	0.068	ppbv #	34
29) Chloroform	2.865	83	20569	0.636	ppbv	95
34) 2-Butanone	2.577	43	1386	0.045	ppbv	99
39) 1,2-Dichloropropane	3.981	63	108938	7.063	ppbv #	22
53) Toluene	6.969	91	2041	0.041	ppbv #	1

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

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SSSG-B1-3-04012025

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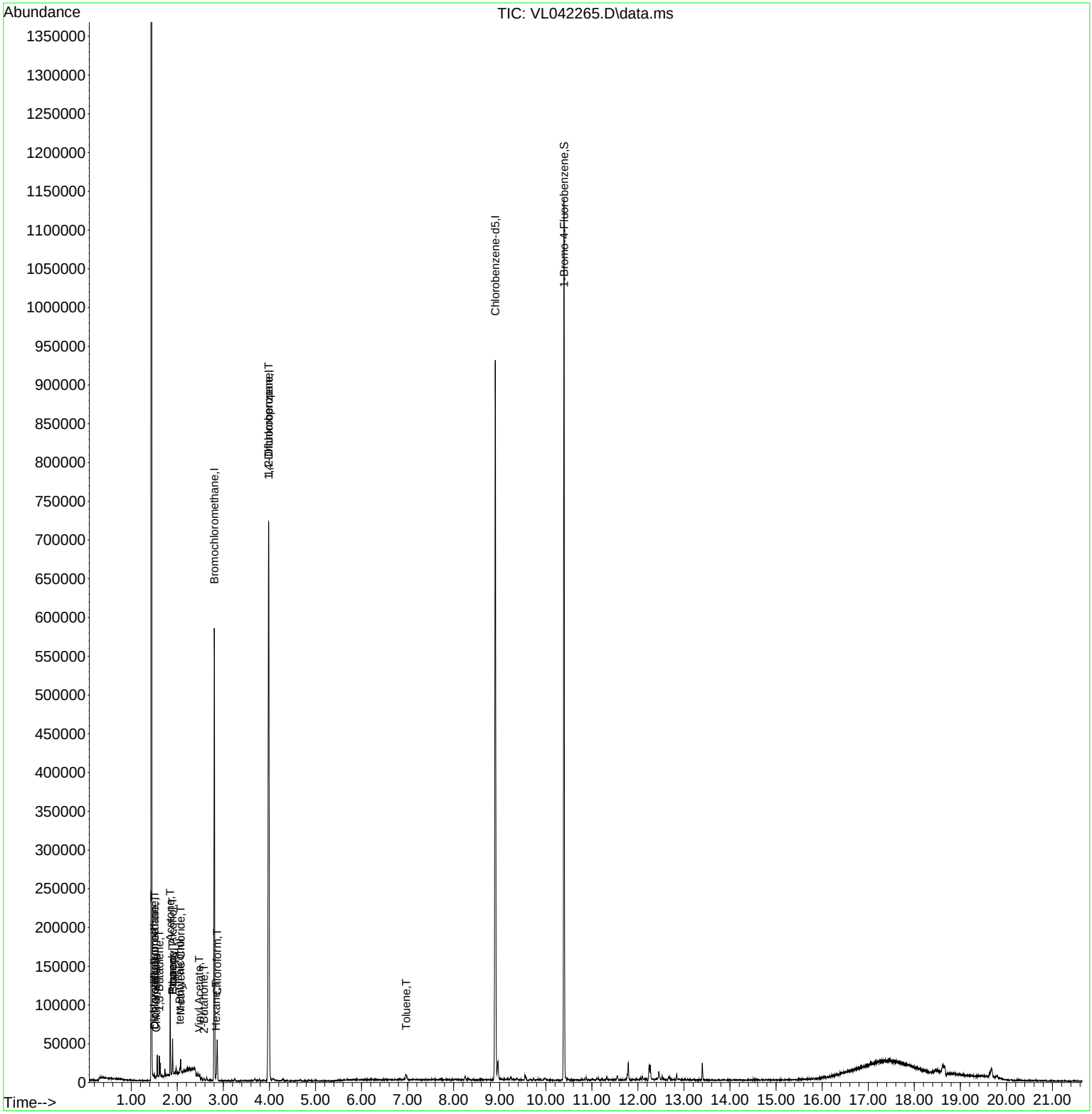
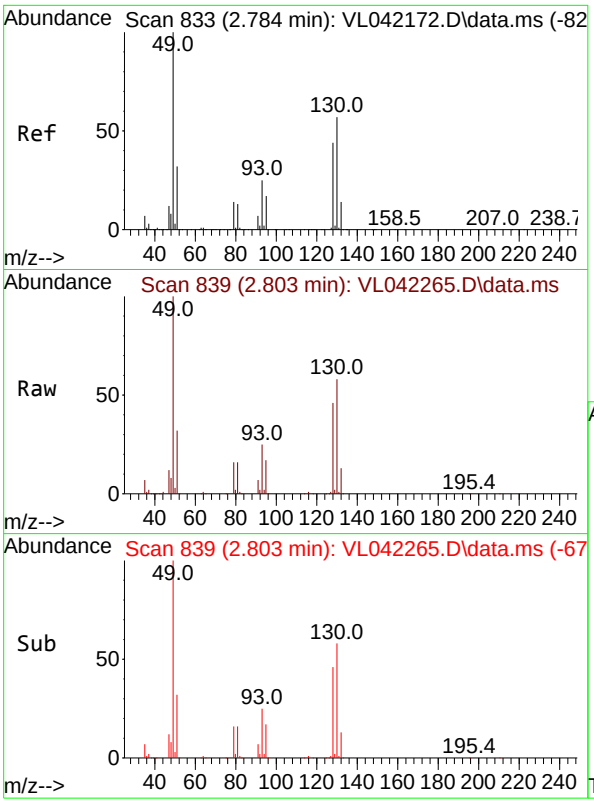


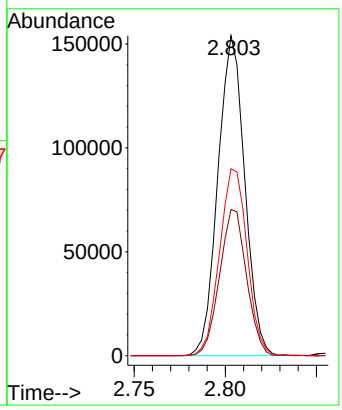


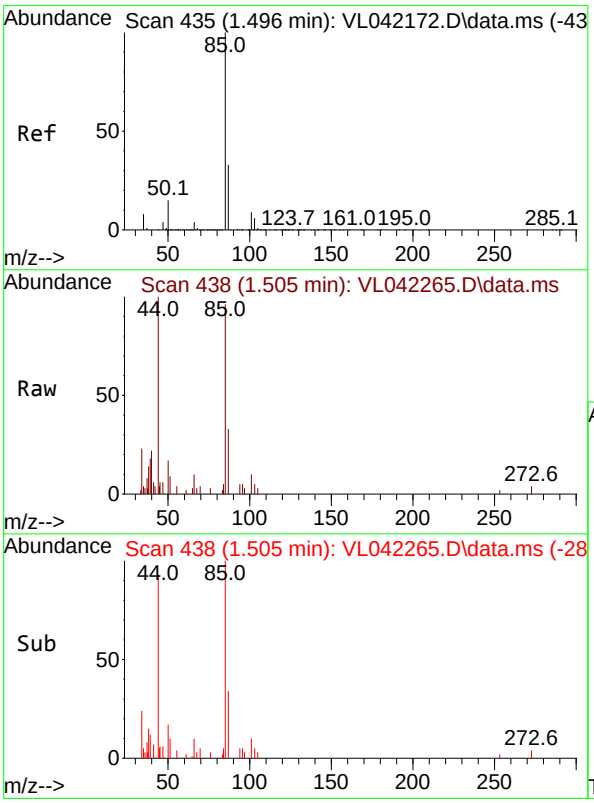
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 49 Resp: 157608

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.9	68.5
130	60.1	28.8	86.4

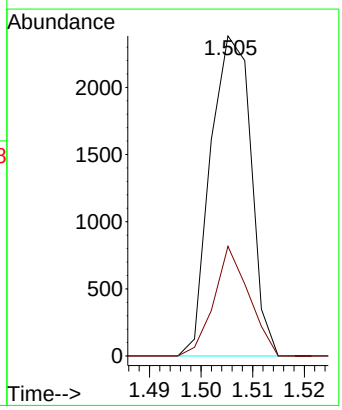


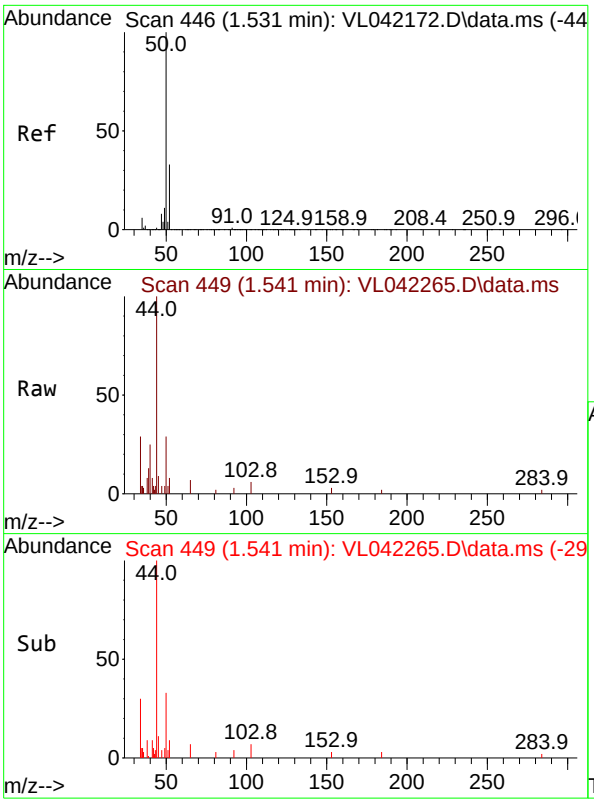


#2
Dichlorodifluoromethane
Concen: 0.056 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 85 Resp: 1295

Ion	Ratio	Lower	Upper
85	100		
87	34.3	26.1	39.1



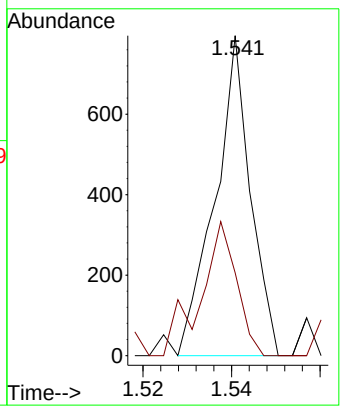


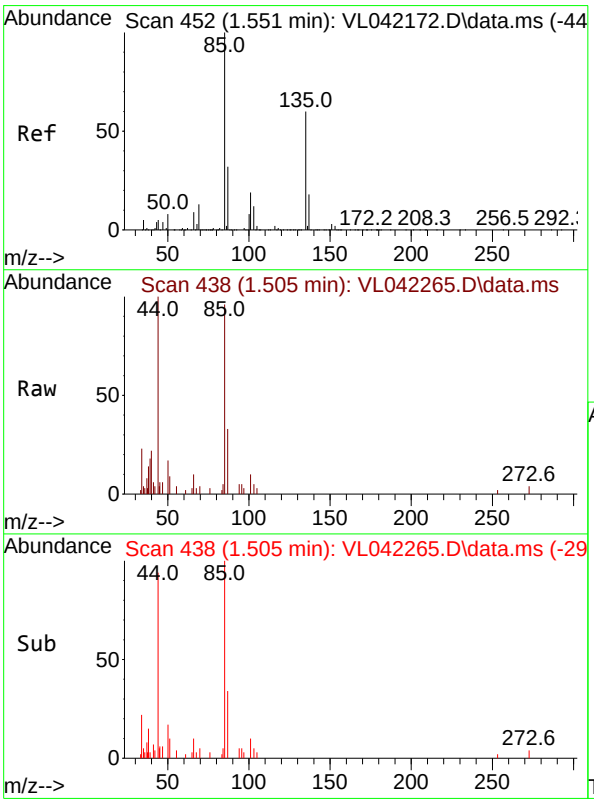
#4
Chloromethane
Concen: 0.046 ppbv
RT: 1.541 min Scan# 44
Delta R.T. 0.009 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 50 Resp: 441

Ion	Ratio	Lower	Upper
50	100		
52	25.9	26.1	39.1#

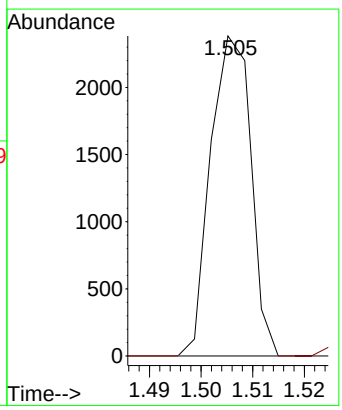


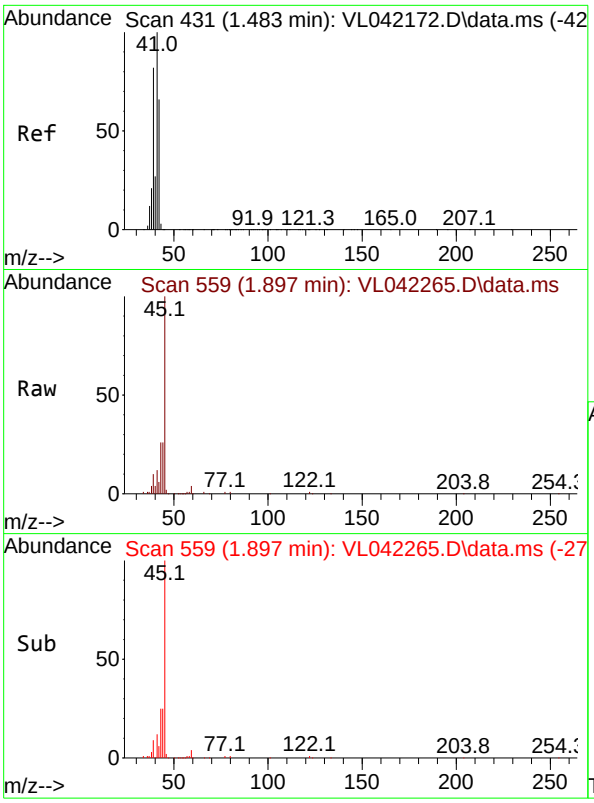


#8
Dichlorotetrafluoroethane
Concen: 0.065 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.046 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 85 Resp: 1295

Ion	Ratio	Lower	Upper
85	100		
135	1.9	52.4	78.6#



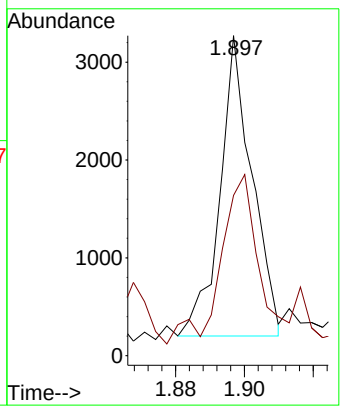


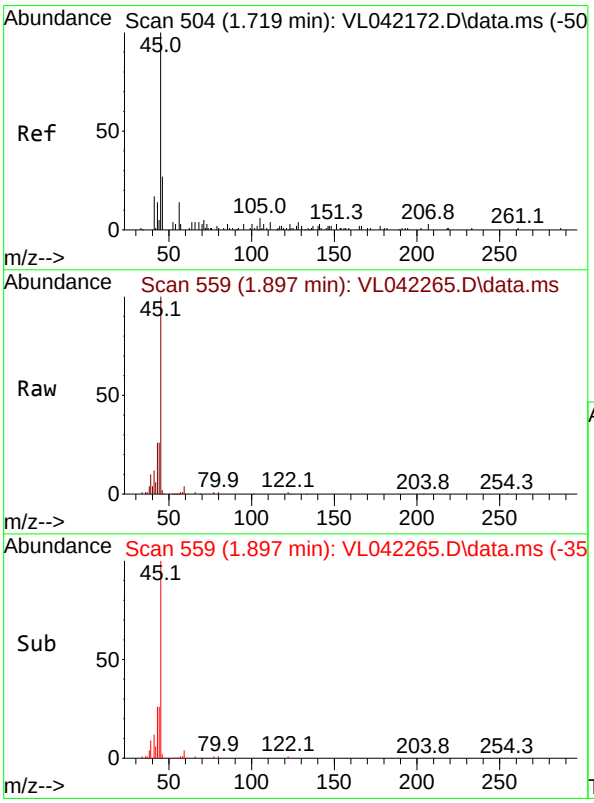
#9
Propene
Concen: 0.183 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.414 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 41 Resp: 1989

Ion	Ratio	Lower	Upper
41	100		
42	75.2	55.4	83.2

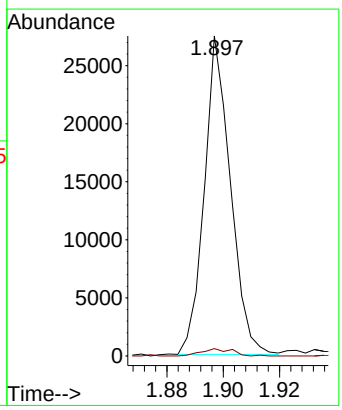


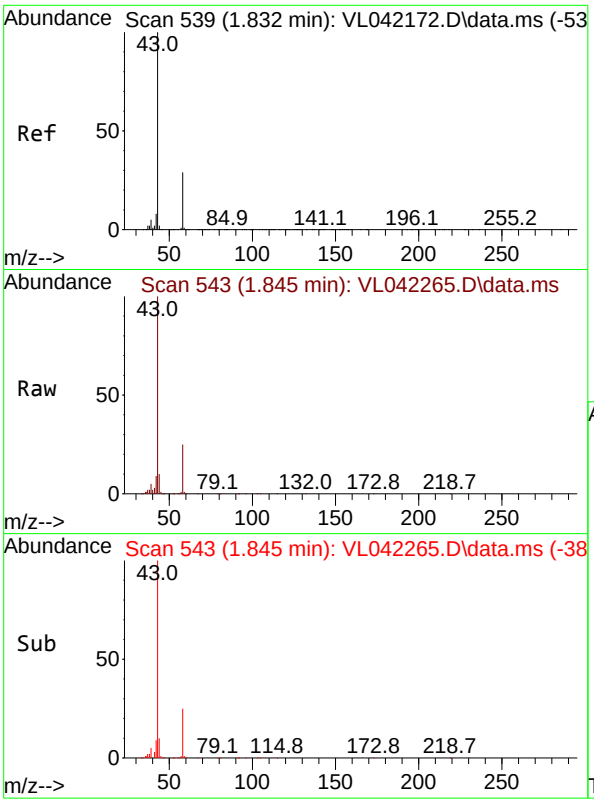


#13
Ethanol
Concen: 17.177 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.178 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 45 Resp: 17693

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#



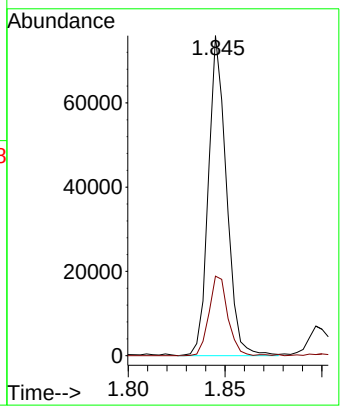


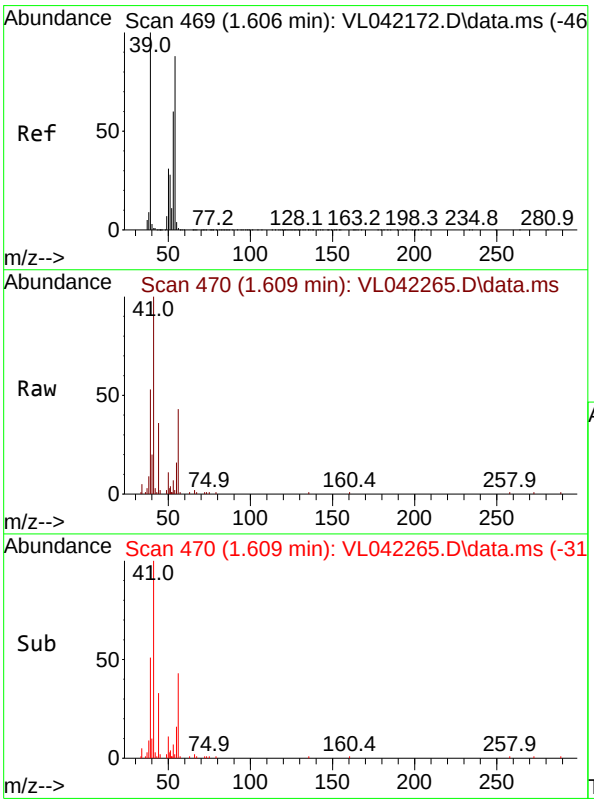
#15
Acetone
Concen: 2.235 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 43 Resp: 49256

Ion	Ratio	Lower	Upper
43	100		
58	26.1	23.2	34.8

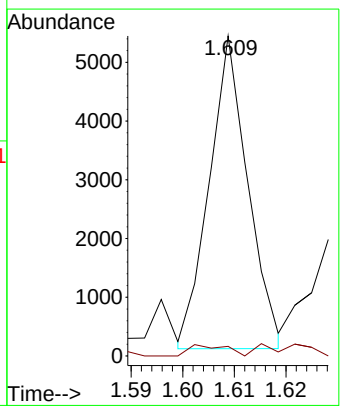


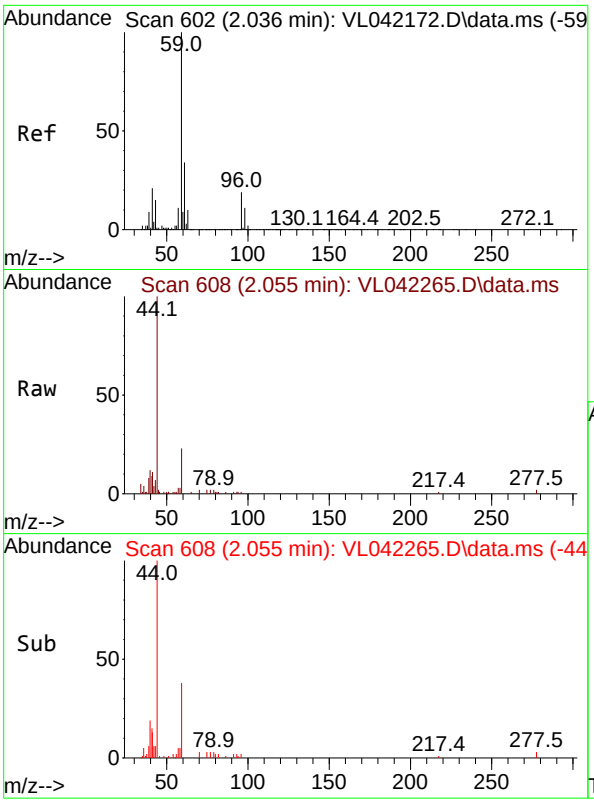


#16
1,3-Butadiene
Concen: 0.257 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 39 Resp: 2770

Ion	Ratio	Lower	Upper
39	100		
54	9.2	60.7	91.1#



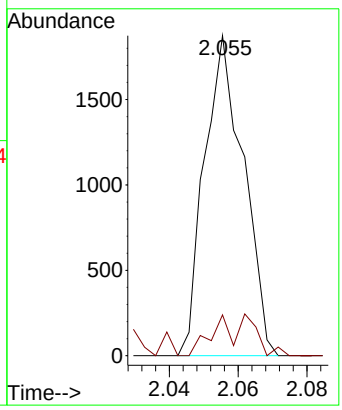


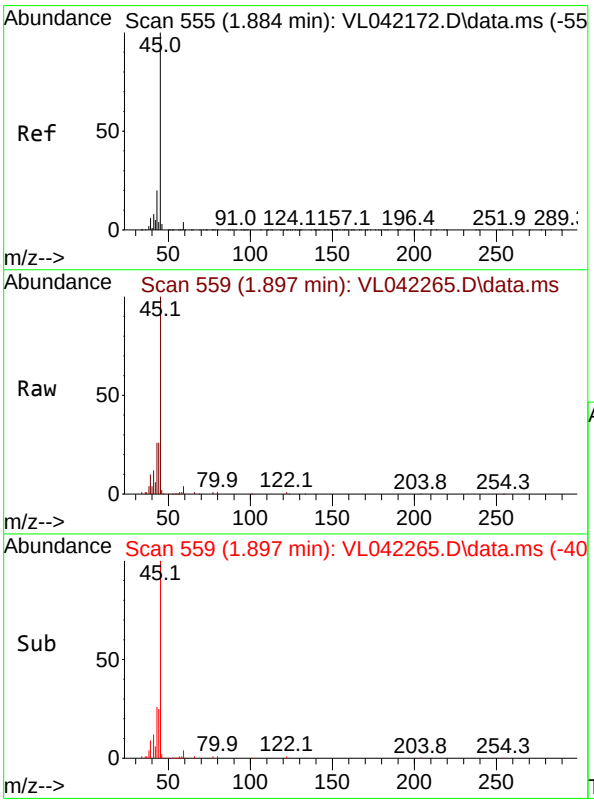
#17
tert-Butyl alcohol
Concen: 0.054 ppbv
RT: 2.055 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 59 Resp: 1481

Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.9	13.3#

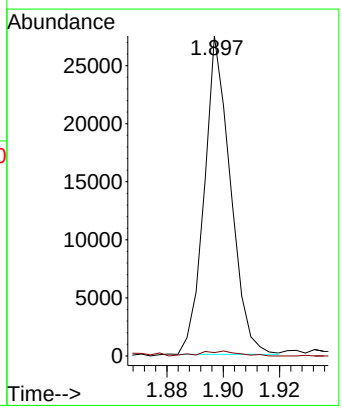


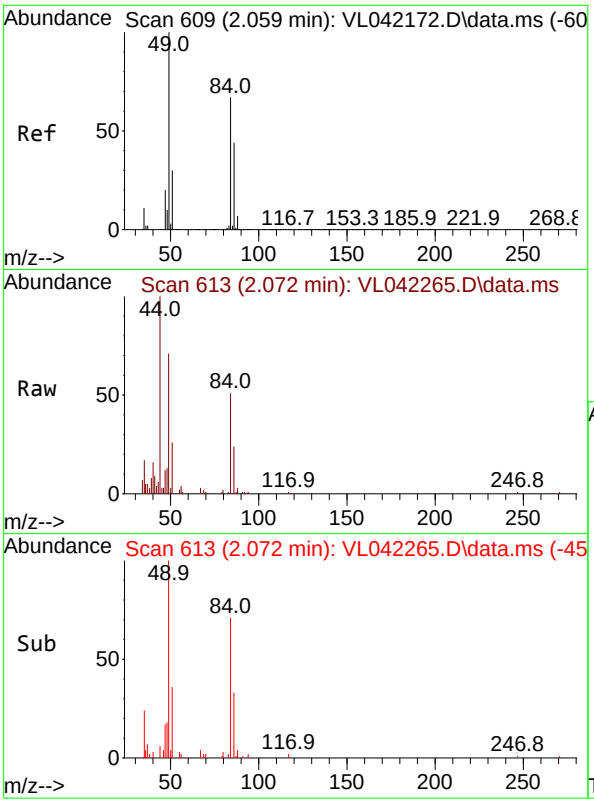


#19
Isopropyl Alcohol
Concen: 1.423 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 45 Resp: 17693

Ion	Ratio	Lower	Upper
45	100		
58	72.6	36.9	55.3#



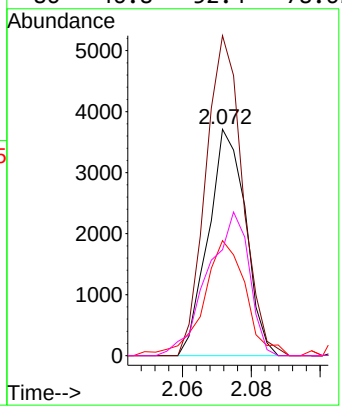


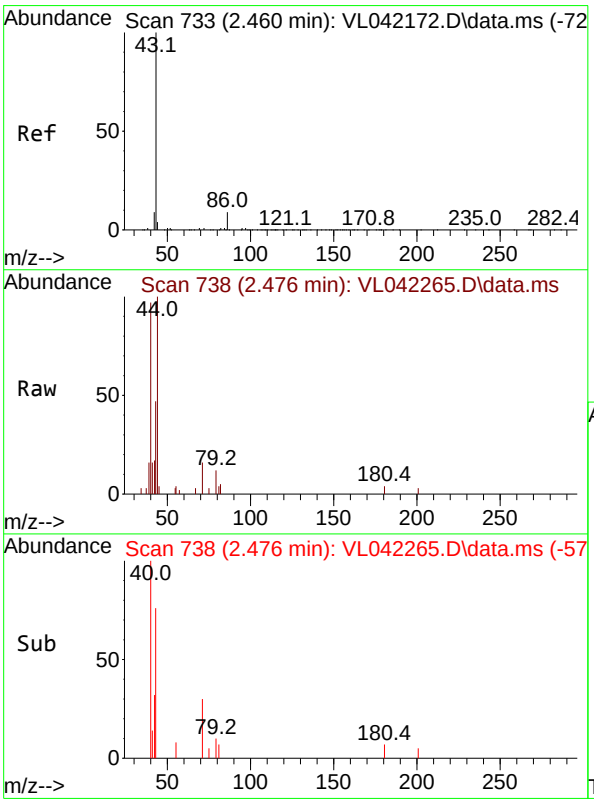
#20
Methylene Chloride
Concen: 0.341 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 84 Resp: 2797

Ion	Ratio	Lower	Upper
84	100		
49	141.4	120.2	180.4
51	46.5	37.4	56.0
86	46.8	52.4	78.6#

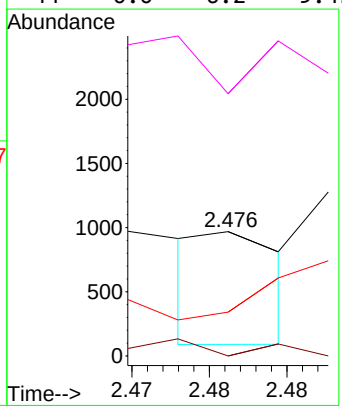


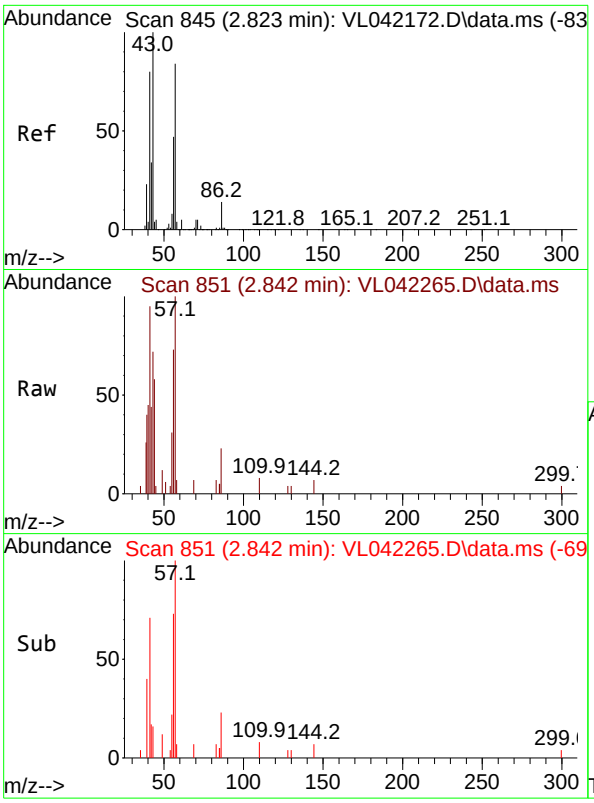


#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.016 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 43 Resp: 310

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	39.2	8.6	13.0#
44	0.0	6.2	9.4#



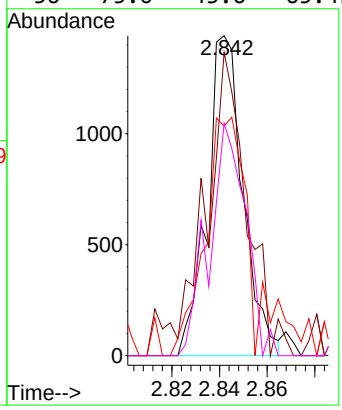


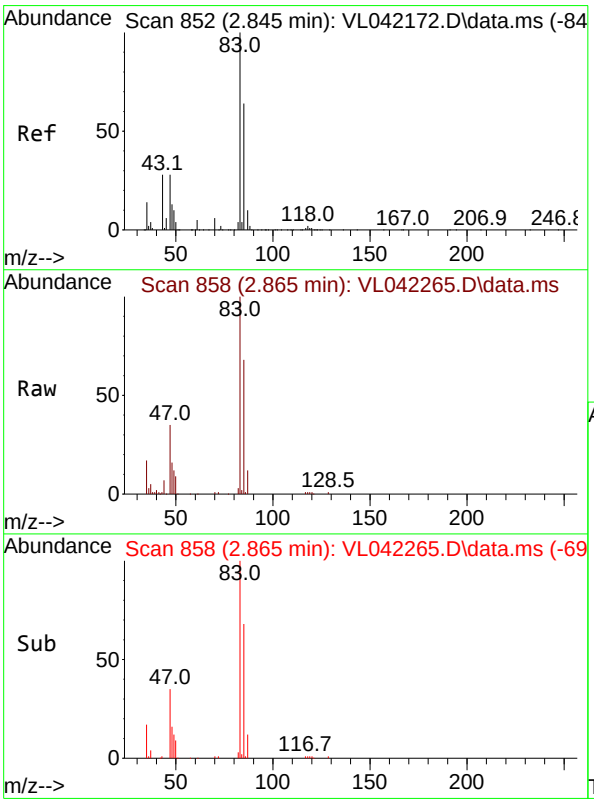
#26
Hexane
Concen: 0.068 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 57 Resp: 1498

Ion	Ratio	Lower	Upper
57	100		
41	121.8	76.6	114.8#
43	100.6	207.8	311.8#
56	75.0	43.6	65.4#

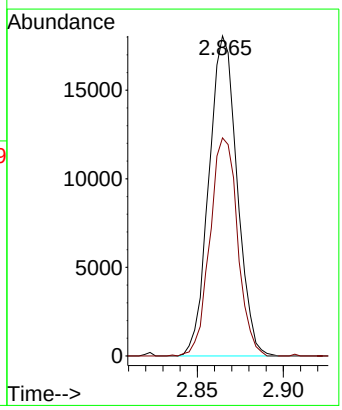


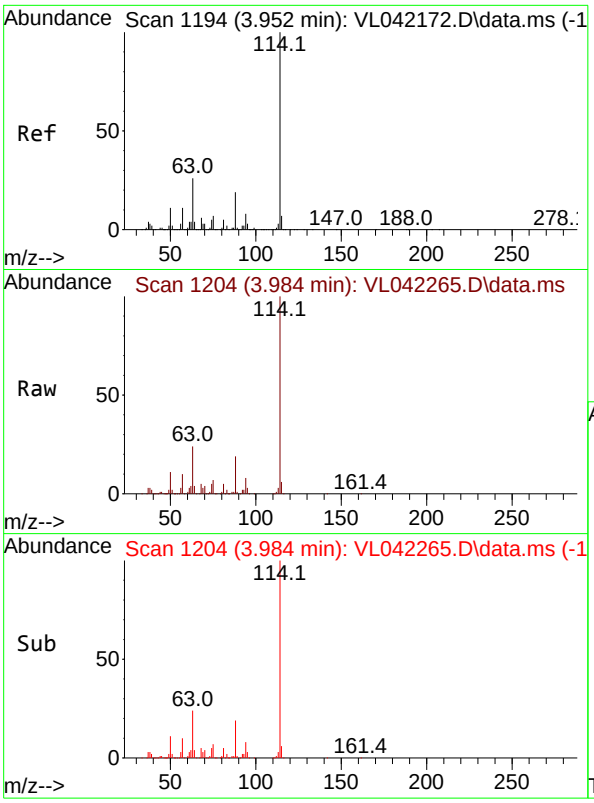


#29
Chloroform
Concen: 0.636 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 83 Resp: 20569

Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.4	77.2



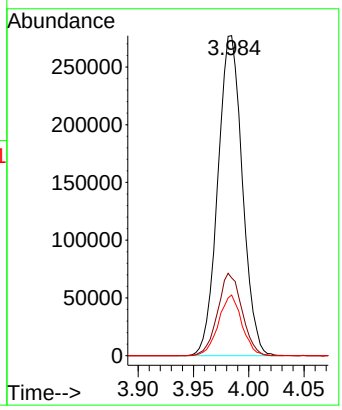


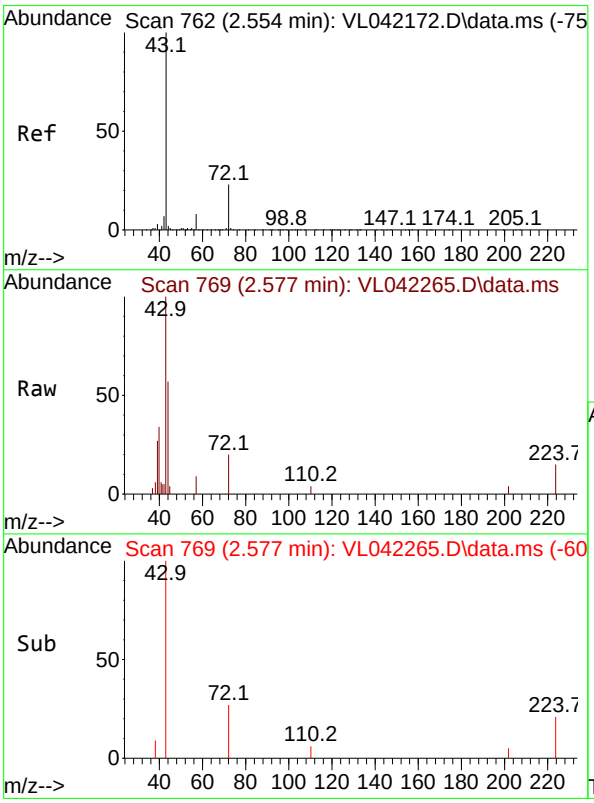
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.984 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion:114 Resp: 427230

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.7	31.1
88	18.1	15.0	22.4

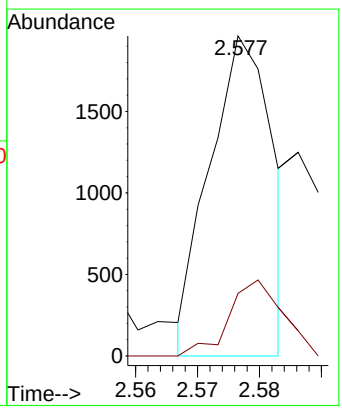


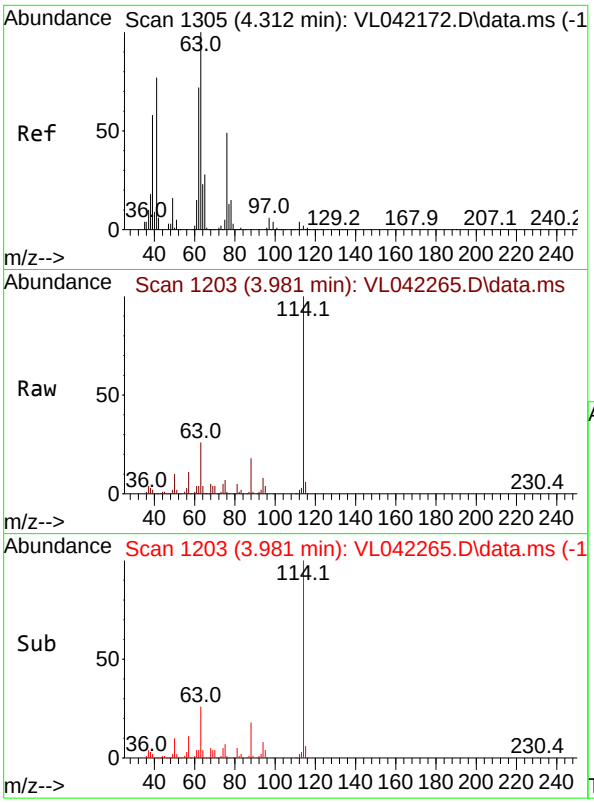


#34
2-Butanone
Concen: 0.045 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.022 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 43 Resp: 1386

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.2



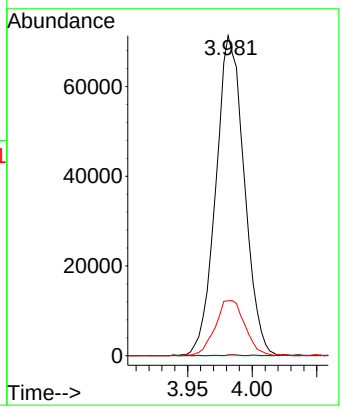


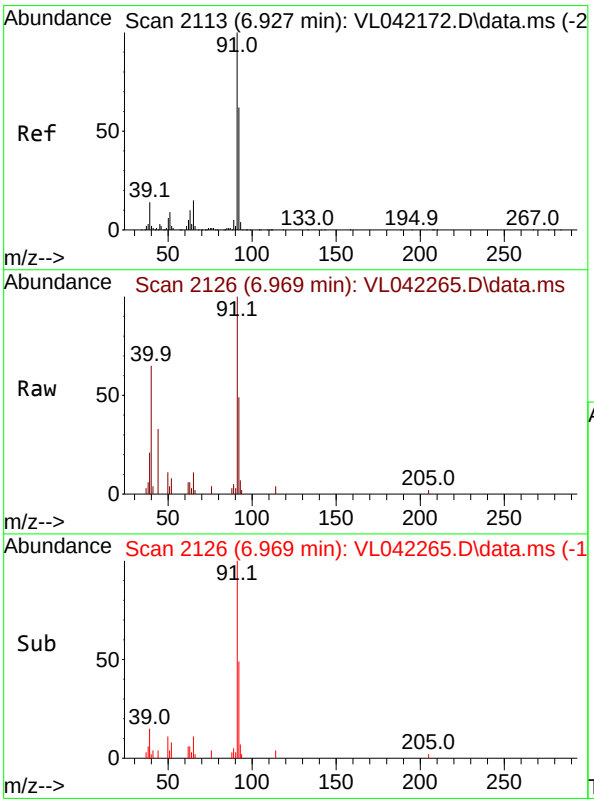
#39
1,2-Dichloropropane
Concen: 7.063 ppbv
RT: 3.981 min Scan# 1
Delta R.T. -0.330 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion: 63 Resp: 108938

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.7	92.5#
62	17.1	57.6	86.4#

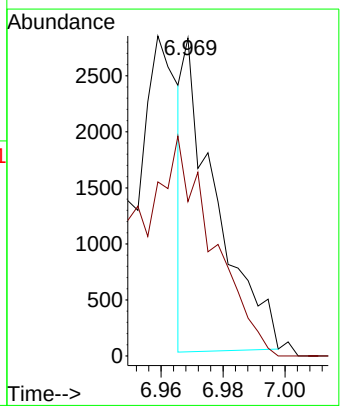


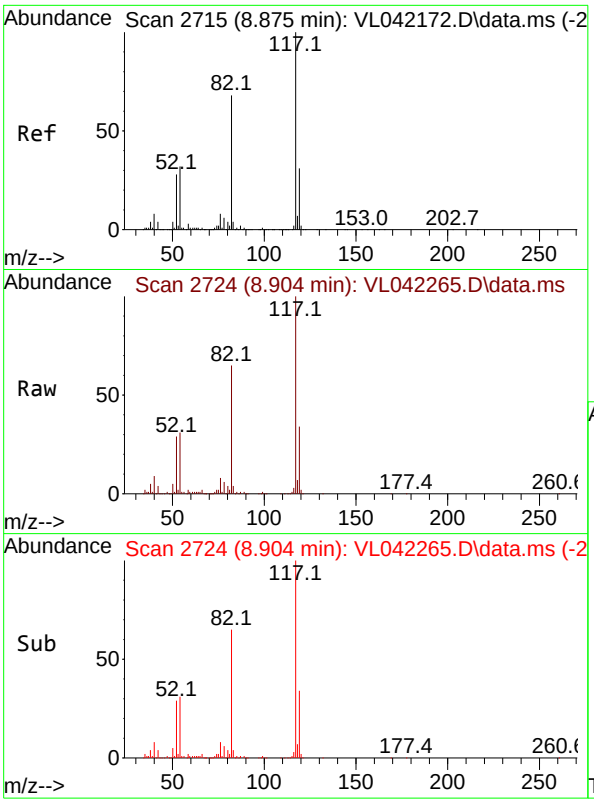


#53
Toluene
Concen: 0.041 ppbv
RT: 6.969 min Scan# 2126
Delta R.T. 0.042 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 91 Resp: 2041

Ion	Ratio	Lower	Upper
91	100		
92	167.0	48.4	72.6#



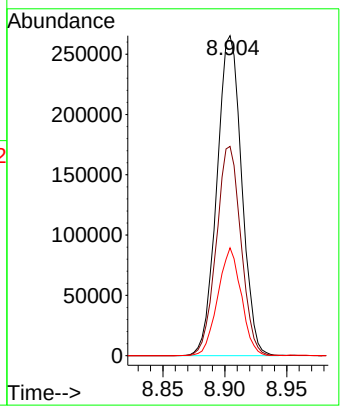


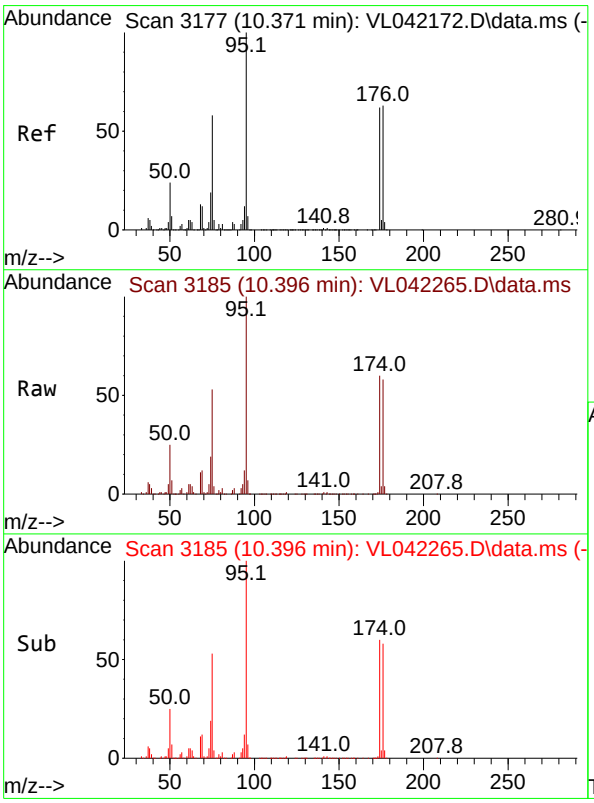
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-3-04012025

Tgt Ion:117 Resp: 370747

Ion	Ratio	Lower	Upper
117	100		
82	65.1	55.8	83.6
119	32.1	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.330 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042265.D
Acq: 08 Apr 2025 15:56

Tgt Ion: 95 Resp: 284068

Ion	Ratio	Lower	Upper
95	100		
174	61.0	50.6	76.0
175	4.5	3.8	5.6