Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042947.D
Acq On : 18 Sep 2025 15:50
Operator : SY/MD
Sample : Q3111-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Quant Time: Sep 19 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	162782	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	398877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	323651	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	238298	9.420	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.200%			
Target Compounds						Qvalue
9) Propene	1.489	41	5327m	0.596	ppbv	
13) Ethanol	1.725	45	14193	15.570	ppbv	94
15) Acetone	1.842	43	172481	8.627	ppbv	97
19) Isopropyl Alcohol	1.890	45	176815	16.494	ppbv #	97

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

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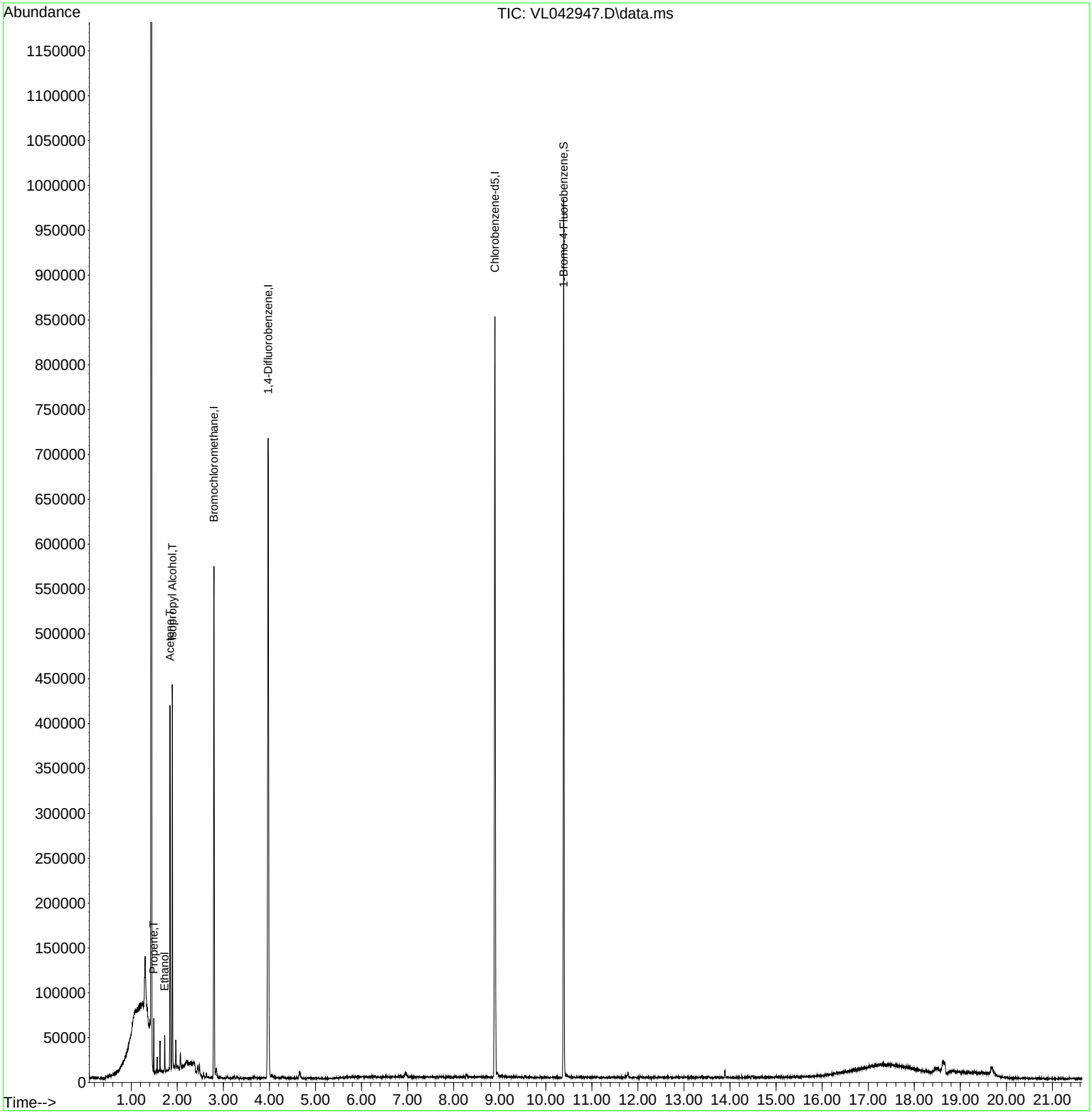
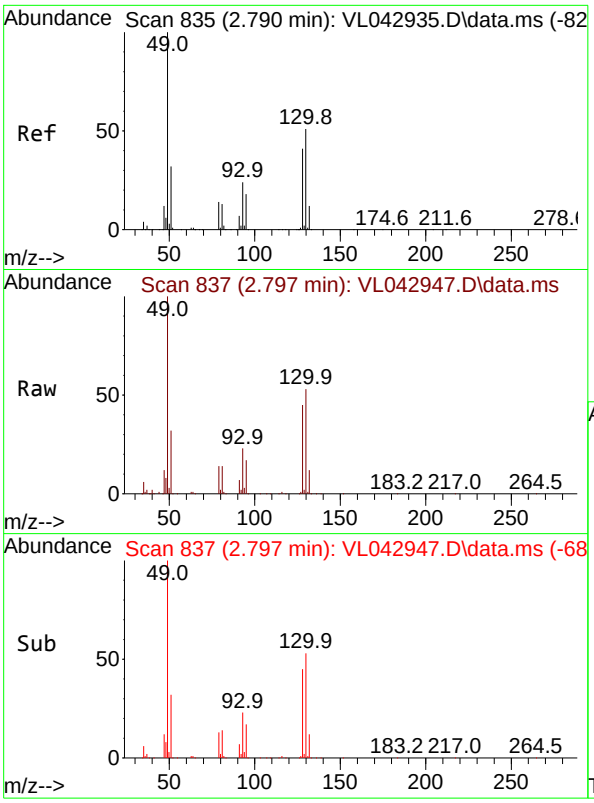


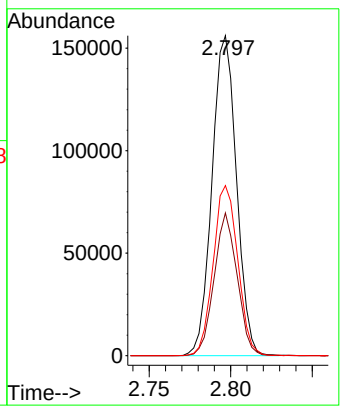


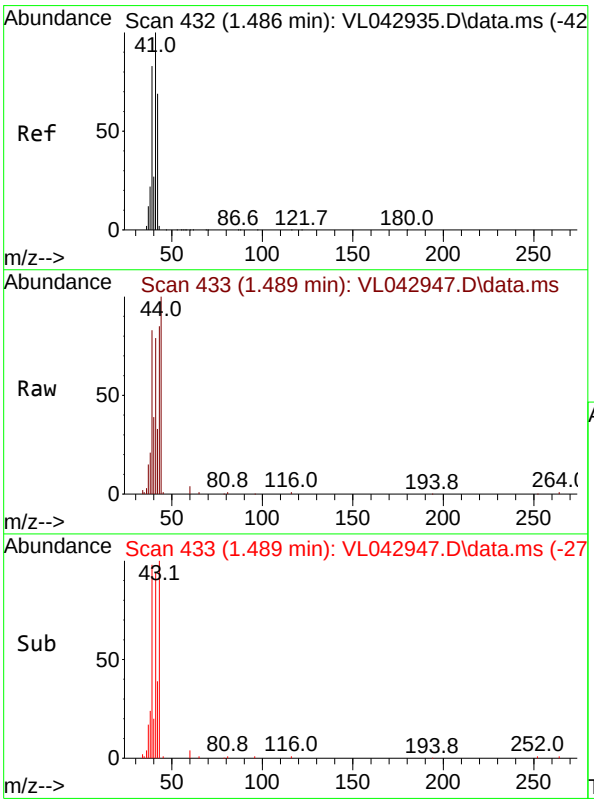
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 162782

Ion	Ratio	Lower	Upper
49	100		
128	42.0	21.1	63.4
130	53.5	26.4	79.2

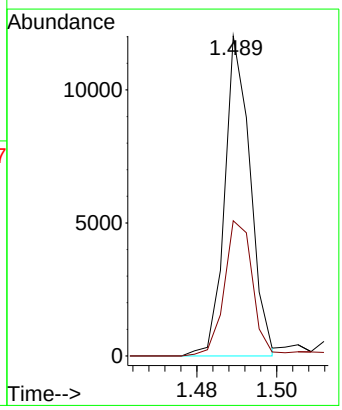


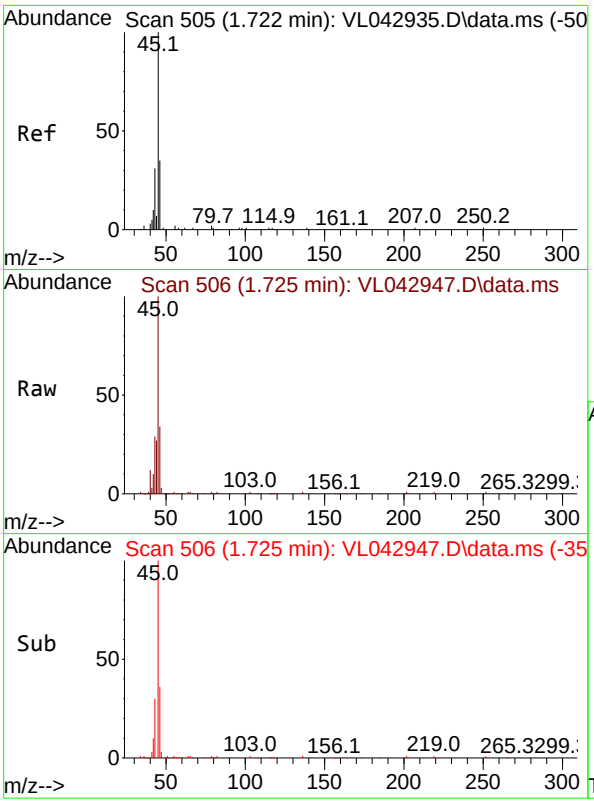


#9
Propene
Concen: 0.596 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Tgt Ion: 41 Resp: 5327

Ion	Ratio	Lower	Upper
41	100		
42	210.2	55.0	82.4#



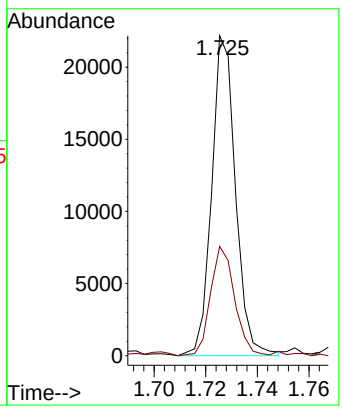


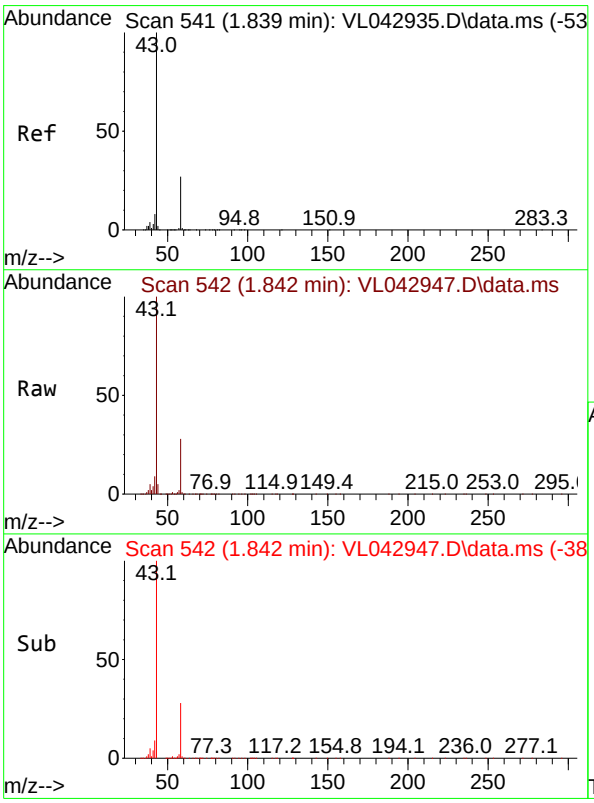
#13
Ethanol
Concen: 15.570 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 14193

Ion	Ratio	Lower	Upper
45	100		
46	37.5	16.5	66.1

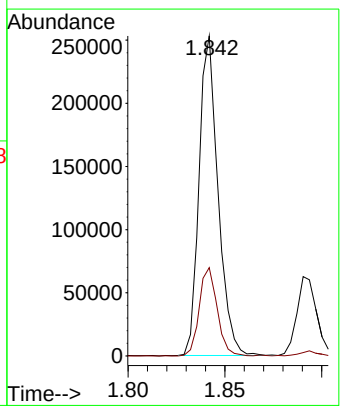


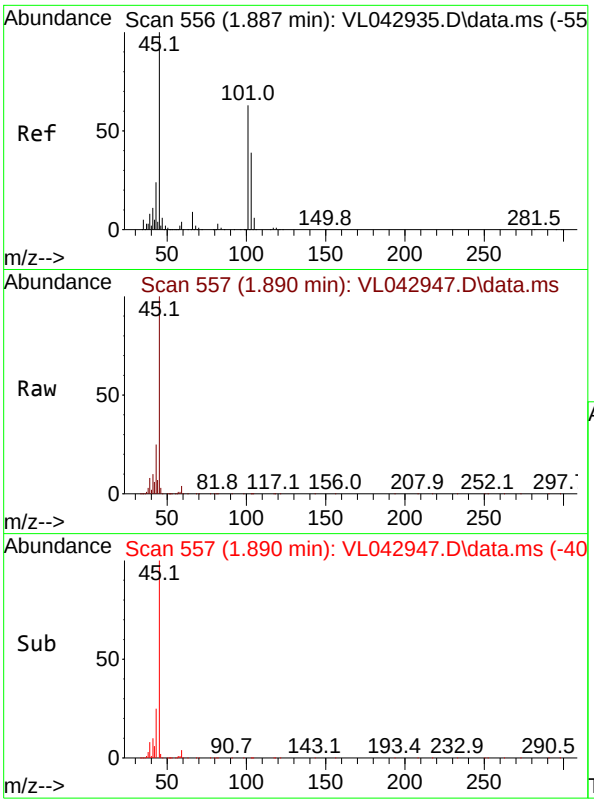


#15
Acetone
Concen: 8.627 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Tgt Ion: 43 Resp: 172481

Ion	Ratio	Lower	Upper
43	100		
58	26.2	22.2	33.2



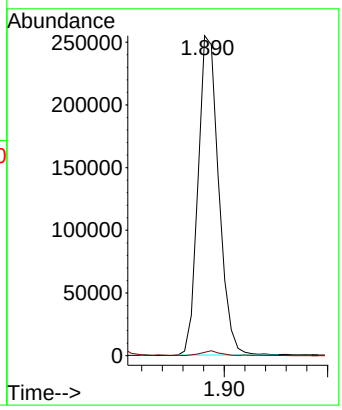


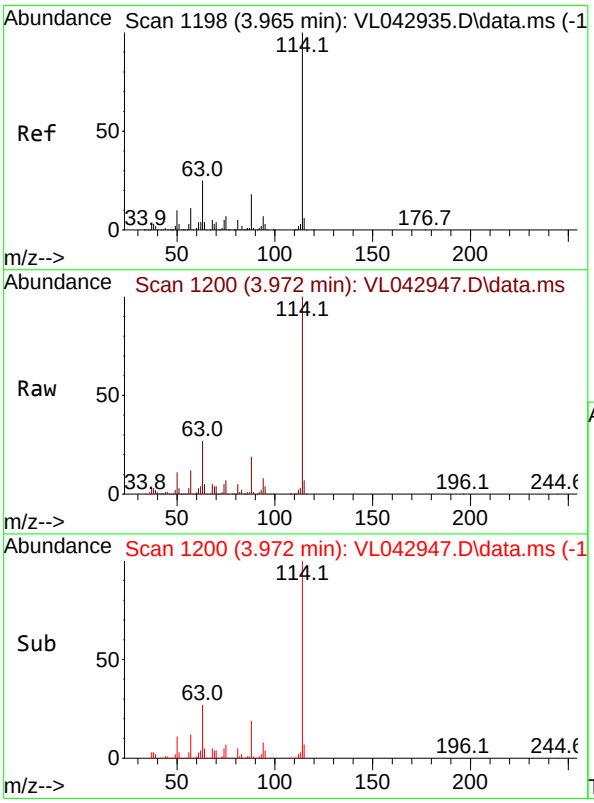
#19
Isopropyl Alcohol
Concen: 16.494 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 176815

Ion	Ratio	Lower	Upper
45	100		
58	1.6	2.0	3.0#

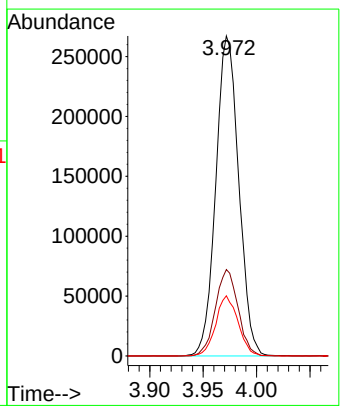


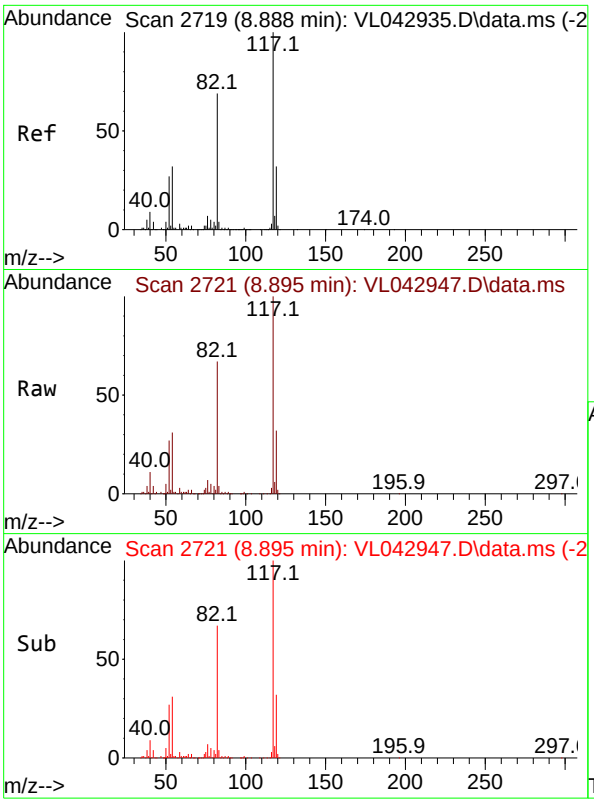


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.007 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Tgt Ion:114 Resp: 398877

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.1	31.7
88	18.3	14.6	22.0



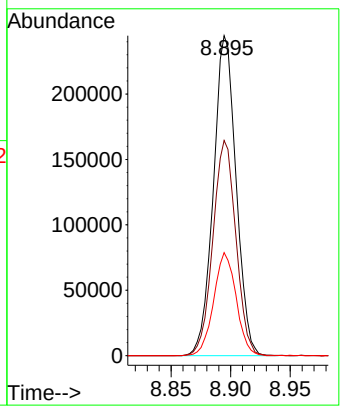


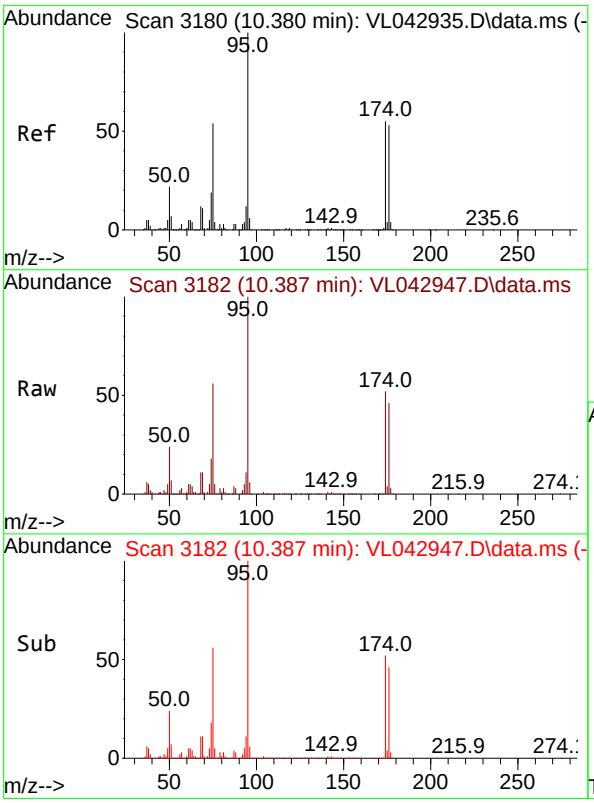
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:117 Resp: 323651

Ion	Ratio	Lower	Upper
117	100		
82	68.2	56.1	84.1
119	32.0	25.8	38.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.420 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.007 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Tgt Ion: 95 Resp: 238298

Ion	Ratio	Lower	Upper
95	100		
174	55.5	44.9	67.3
175	4.0	3.3	4.9