Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042589.D
Acq On : 29 May 2025 17:22
Operator : SY/MD
Sample : Q2124-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: May 30 02:10:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	113312	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	323127	10.000	ppbv		0.02
55) Chlorobenzene-d5	8.895	117	284597	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	215736	10.112	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	1709	0.123	ppbv		89
3) Chlorodifluoromethane	1.473	51	3610m	0.188	ppbv		
9) Propene	1.489	41	117157m	15.168	ppbv		
10) Heptane	5.004	43	255645	11.742	ppbv		99
13) Ethanol	1.729	45	6446	7.003	ppbv	#	39
20) Methylene Chloride	2.075	84	2032	0.451	ppbv	#	62
26) Hexane	2.839	57	343378	20.232	ppbv	#	40
29) Chloroform	2.865	83	26841	1.216	ppbv		96
30) Cyclohexane	3.878	84	2500m	0.178	ppbv		
34) 2-Butanone	2.573	43	14099	0.612	ppbv		98
38) Trichloroethene	4.570	130	7677	0.568	ppbv		94
52) Tetrachloroethene	8.241	164	8503	0.715	ppbv		94
53) Toluene	6.956	91	17436	0.474	ppbv		94
59) m/p-Xylene	9.548	91	4611m	0.121	ppbv		
74) 1,2,4-Trimethylbenzene	11.549	105	6380	0.147	ppbv	#	72

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042589.D
Acq On : 29 May 2025 17:22
Operator : SY/MD
Sample : Q2124-01 4X
Misc : 400mL/MSVOA_L
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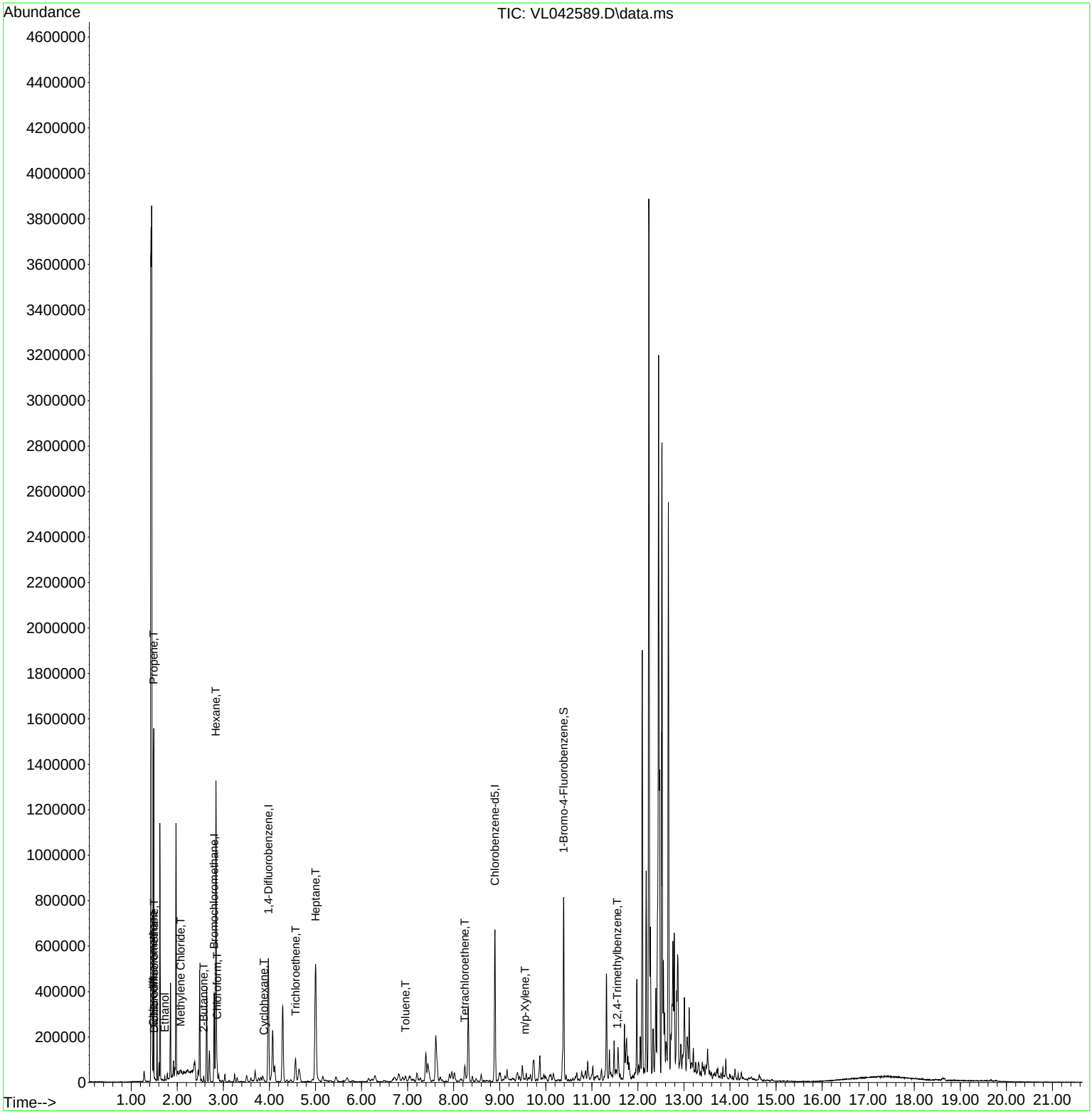
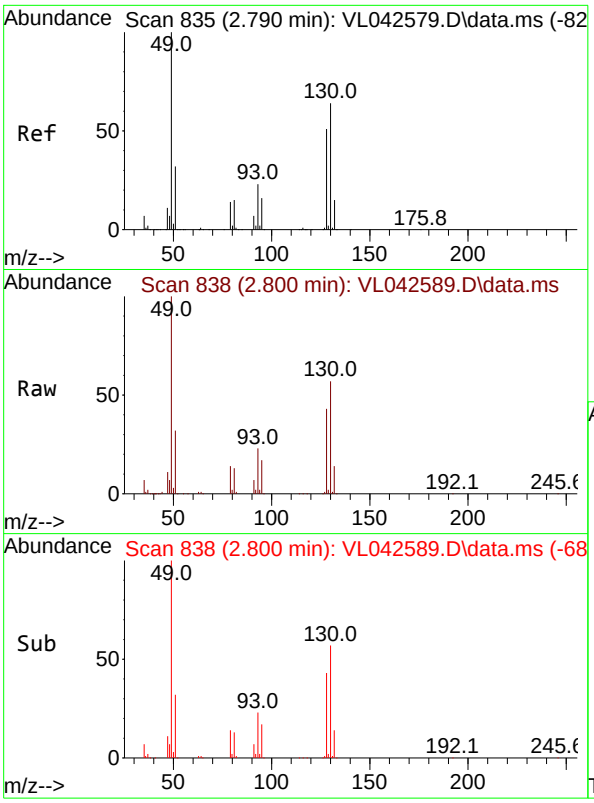
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: May 30 02:10:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration



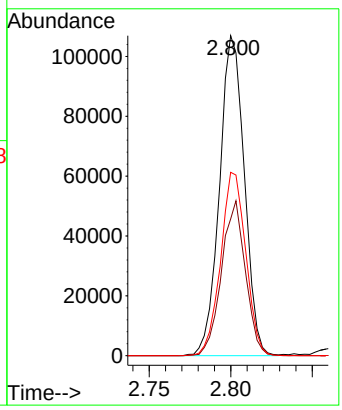


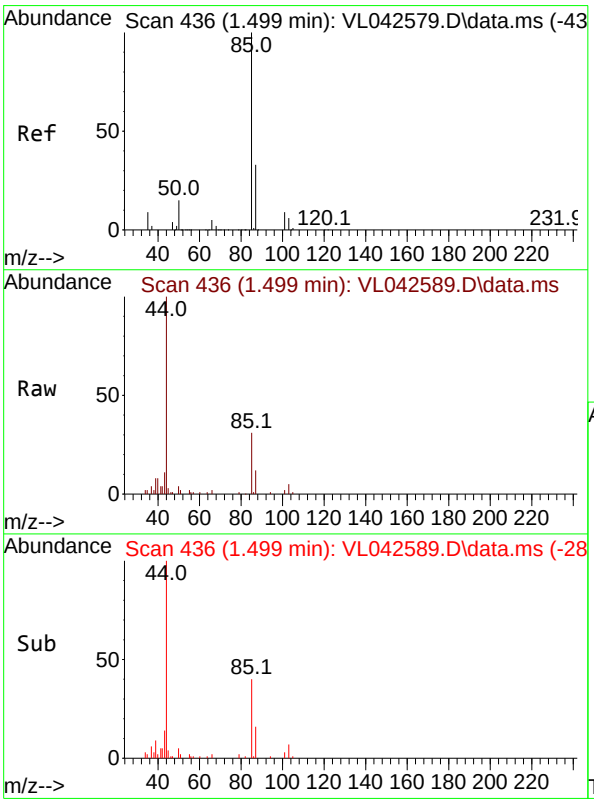
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 113312

Ion	Ratio	Lower	Upper
49	100		
128	46.6	24.2	72.6
130	58.0	30.4	91.2

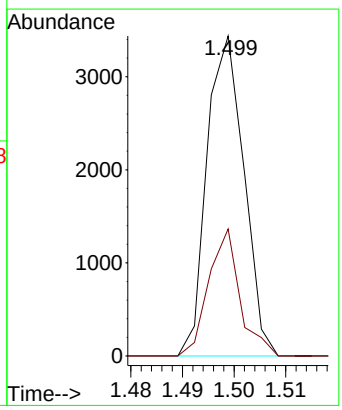


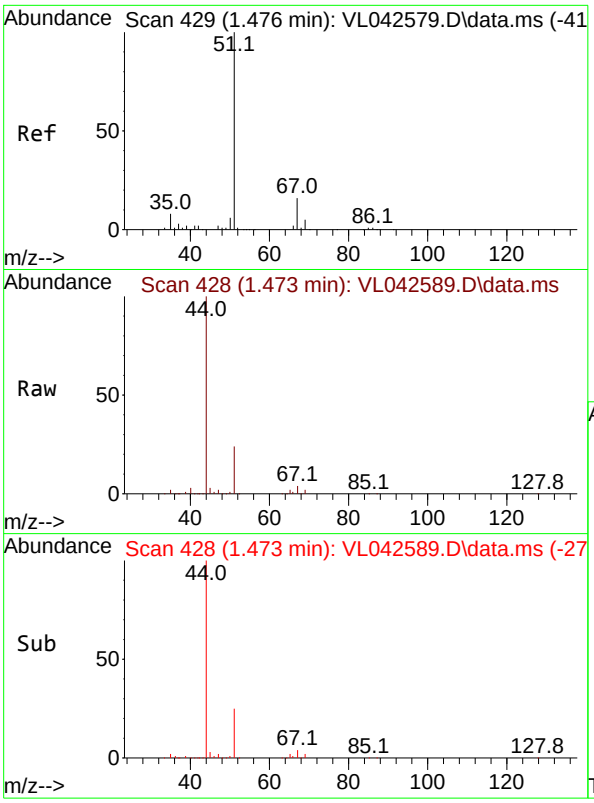


#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 85 Resp: 1709

Ion	Ratio	Lower	Upper
85	100		
87	39.7	26.6	39.8



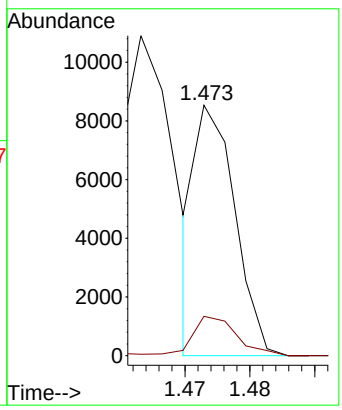


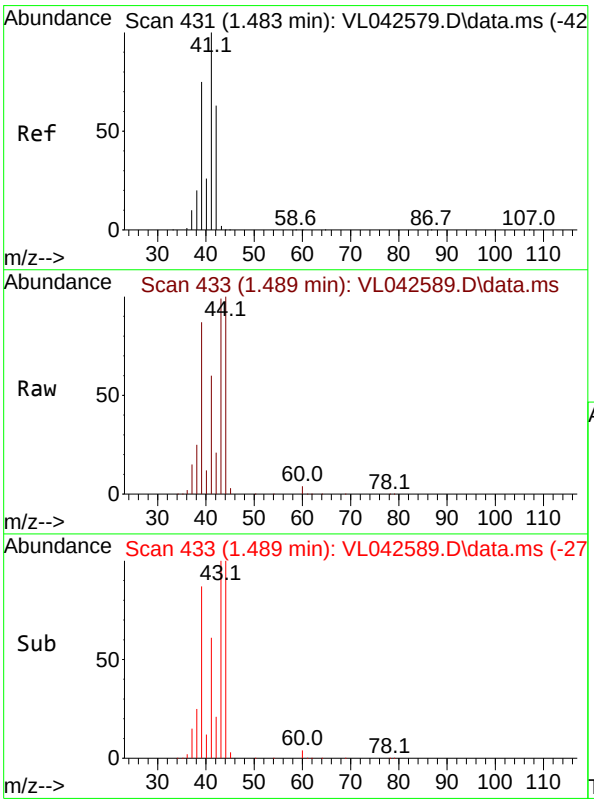
#3
Chlorodifluoromethane
Concen: 0.188 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 3610

Ion	Ratio	Lower	Upper
51	100		
67	18.3	13.4	20.2

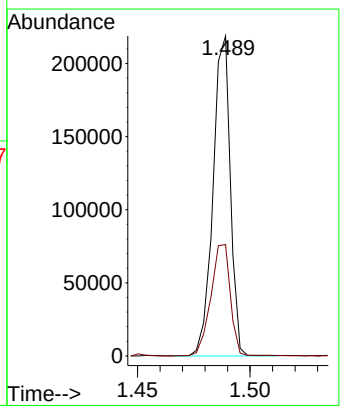


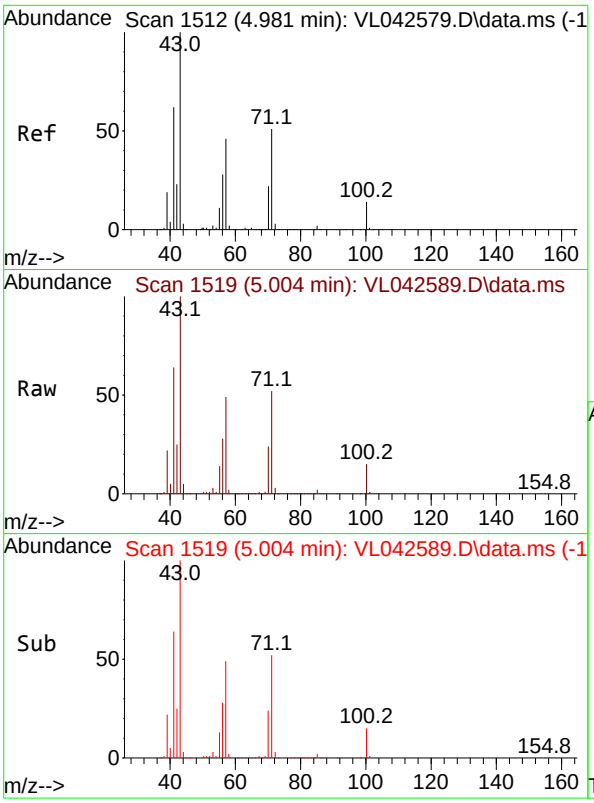


#9
Propene
Concen: 15.168 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 41 Resp: 117157

Ion	Ratio	Lower	Upper
41	100		
42	21.9	53.3	79.9#



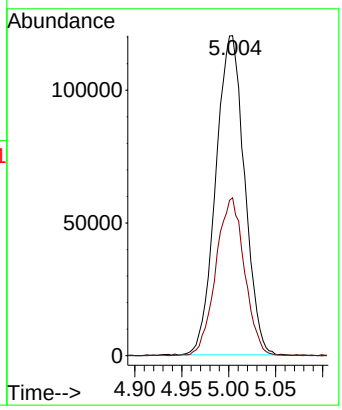


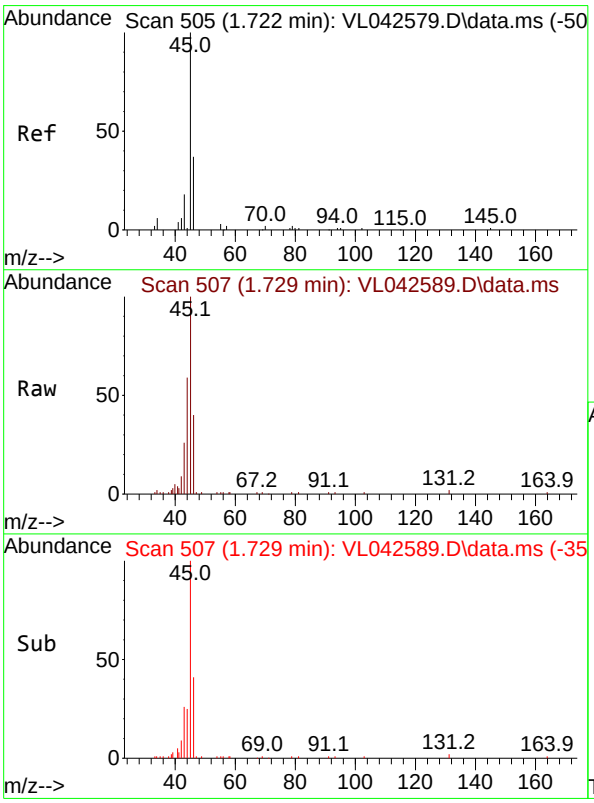
#10
Heptane
Concen: 11.742 ppbv
RT: 5.004 min Scan# 1
Delta R.T. 0.023 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 255645

Ion	Ratio	Lower	Upper
43	100		
57	49.5	38.9	58.3

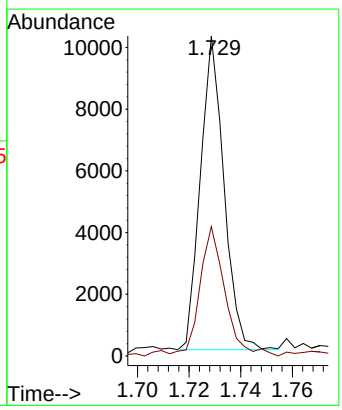


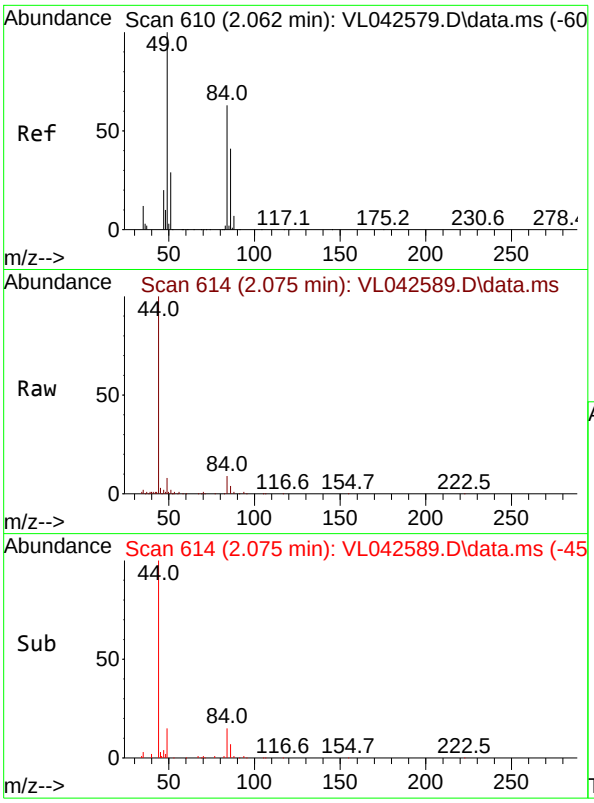


#13
Ethanol
Concen: 7.003 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 45 Resp: 6446

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.5	58.1#



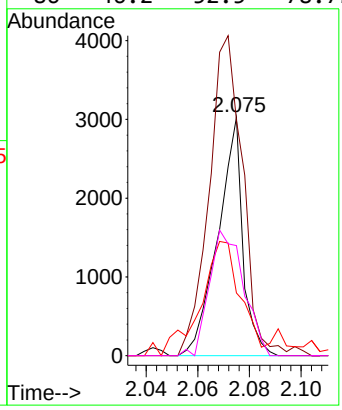


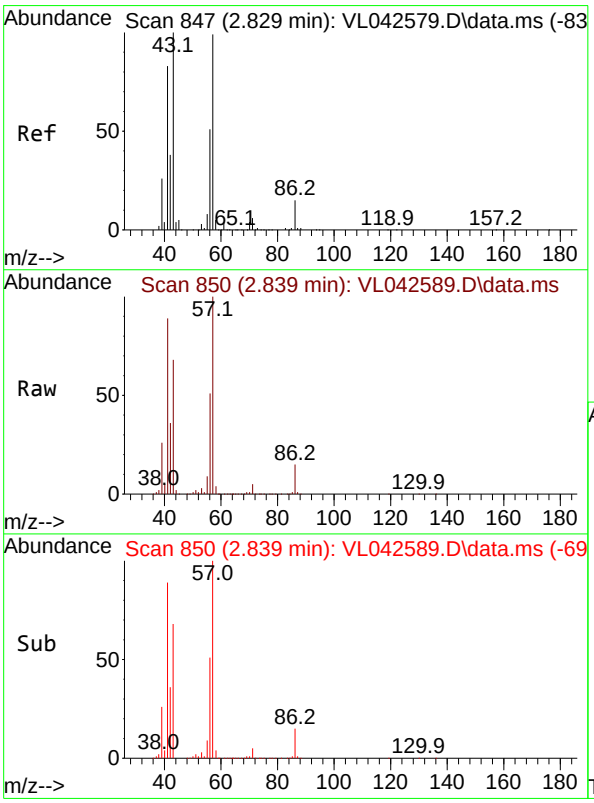
#20
Methylene Chloride
Concen: 0.451 ppbv
RT: 2.075 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 2032

Ion	Ratio	Lower	Upper
84	100		
49	105.7	128.8	193.2#
51	18.5	38.6	57.8#
86	46.2	52.5	78.7#

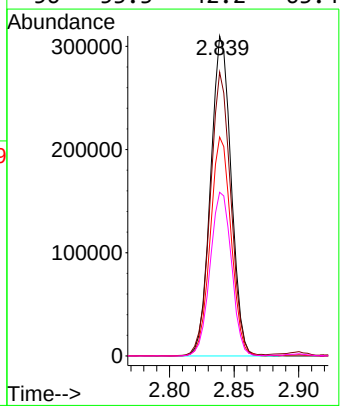


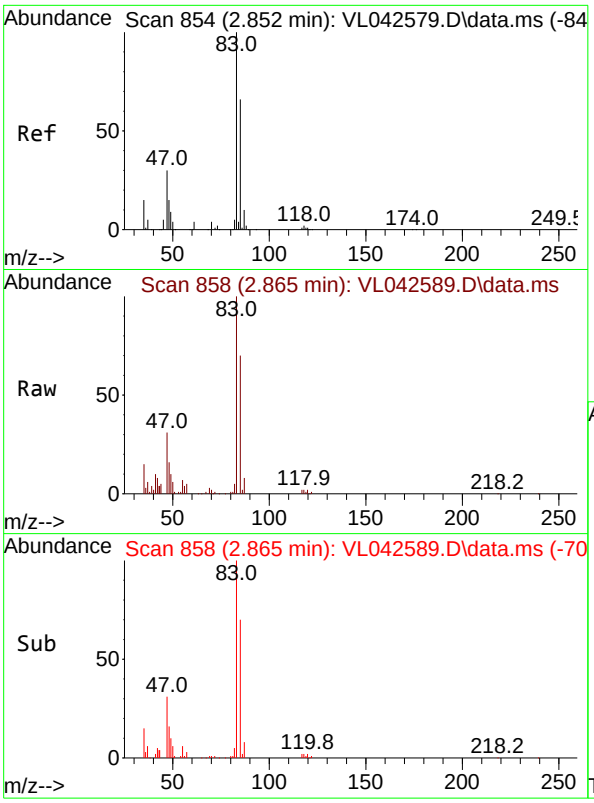


#26
Hexane
Concen: 20.232 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 57 Resp: 343378

Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.6	106.0
43	69.2	181.1	271.7#
56	53.3	42.2	63.4



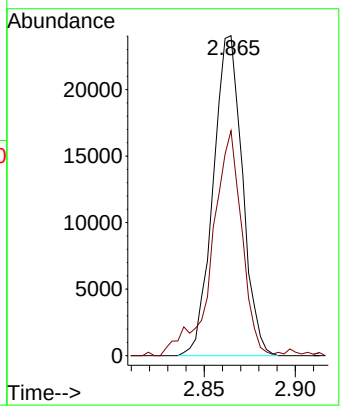


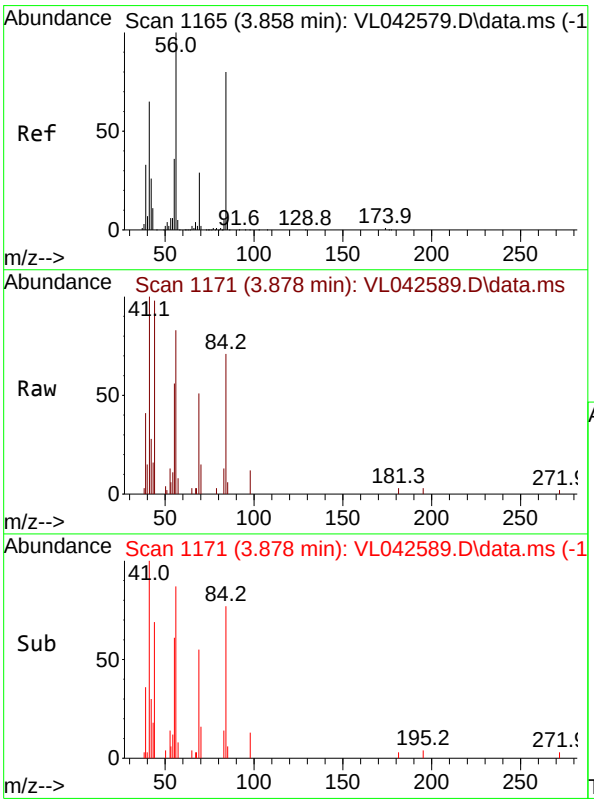
#29
Chloroform
Concen: 1.216 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 83 Resp: 26841

Ion	Ratio	Lower	Upper
83	100		
85	69.3	52.8	79.2

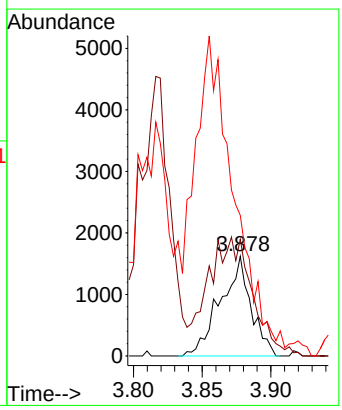


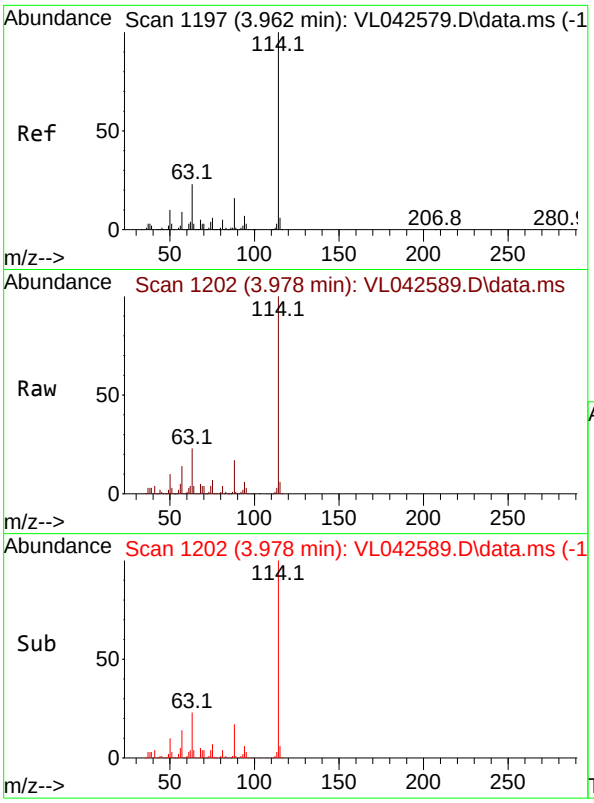


#30
Cyclohexane
Concen: 0.178 ppbv m
RT: 3.878 min Scan# 1171
Delta R.T. 0.019 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 84 Resp: 2500

Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.7	155.5#
41	0.0	65.1	97.7#



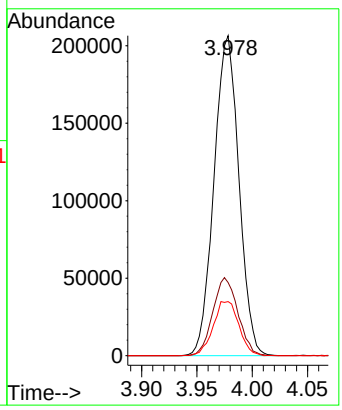


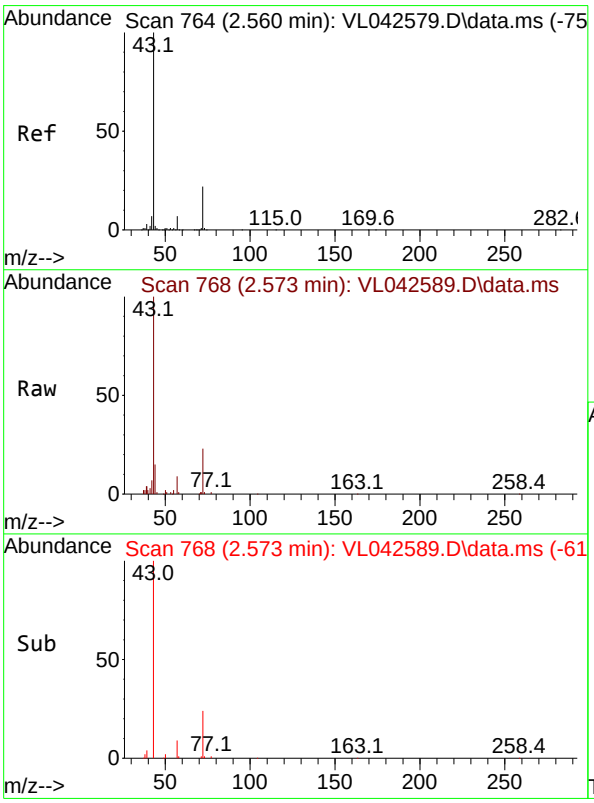
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:114 Resp: 323127

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.0	28.6
88	17.5	13.6	20.4

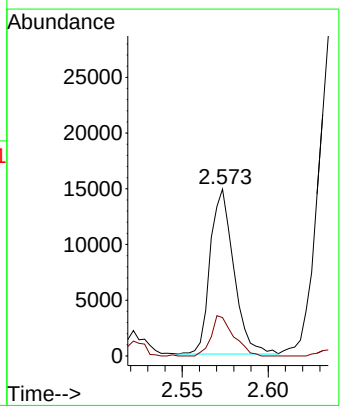


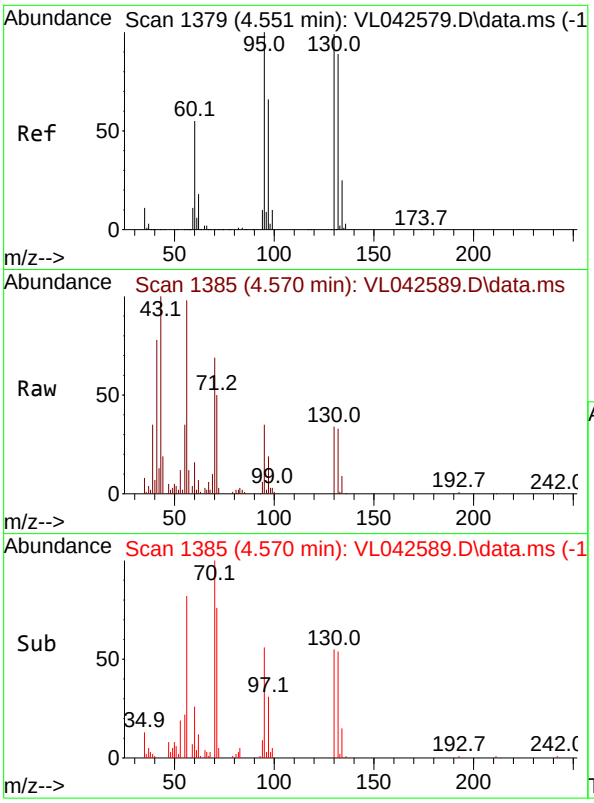


#34
2-Butanone
Concen: 0.612 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 43 Resp: 14099

Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.7	26.5



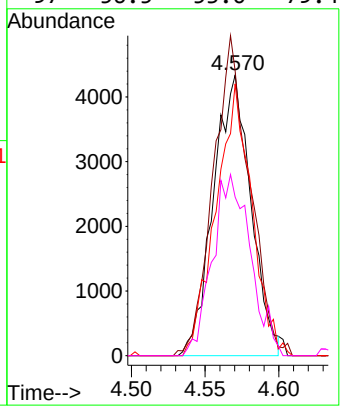


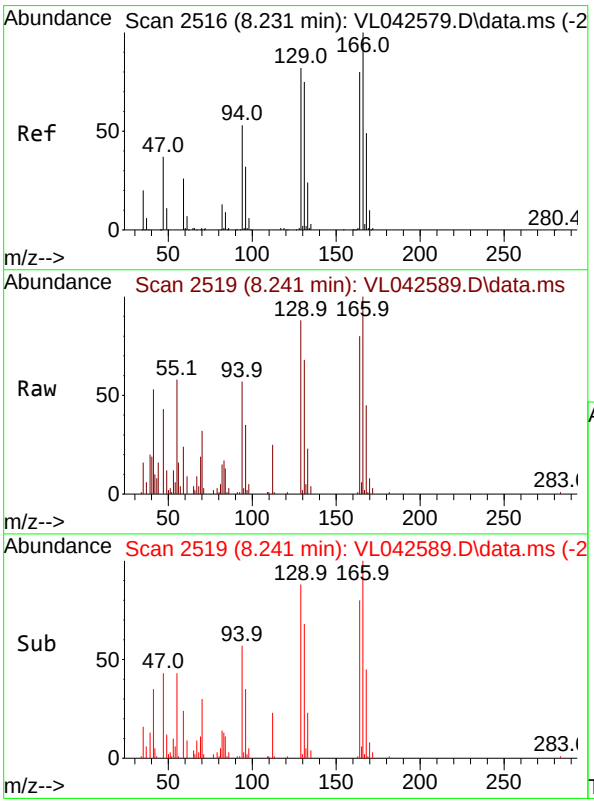
#38
Trichloroethene
Concen: 0.568 ppbv
RT: 4.570 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:130 Resp: 7677

Ion	Ratio	Lower	Upper
130	100		
95	99.6	80.6	121.0
132	96.9	71.8	107.6
97	56.5	53.0	79.4

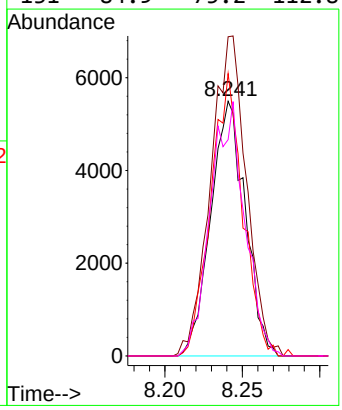


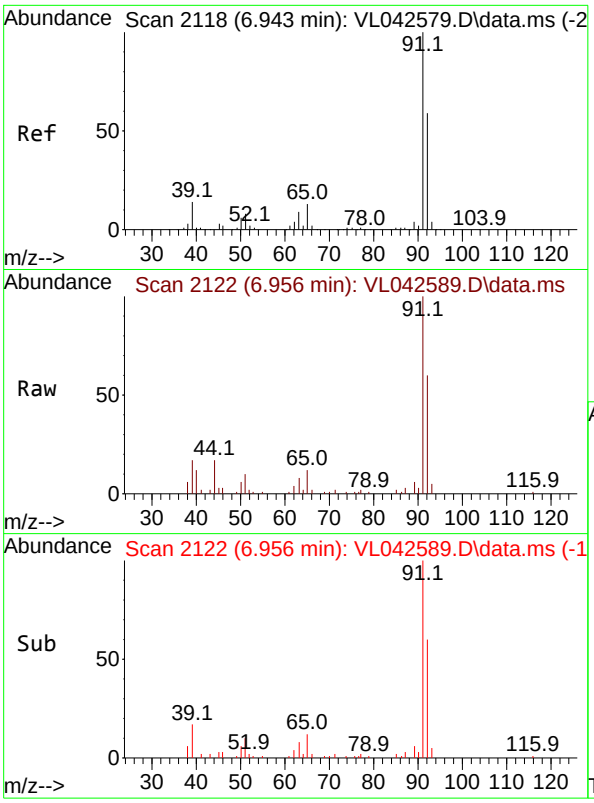


#52
Tetrachloroethene
Concen: 0.715 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion:164 Resp: 8503

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.0	150.0
129	110.8	82.2	123.4
131	84.9	75.2	112.8



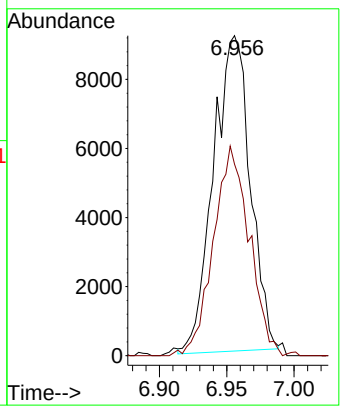


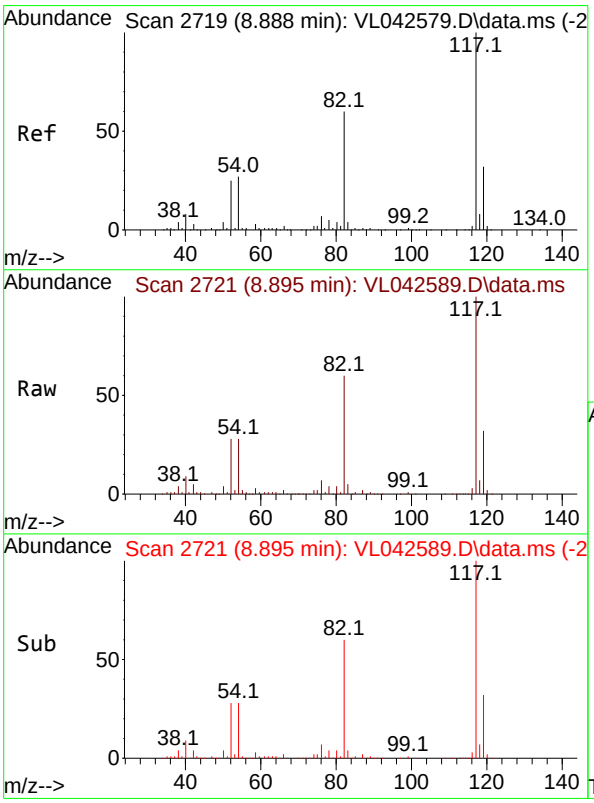
#53
Toluene
Concen: 0.474 ppbv
RT: 6.956 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 17436

Ion	Ratio	Lower	Upper
91	100		
92	64.7	48.2	72.4

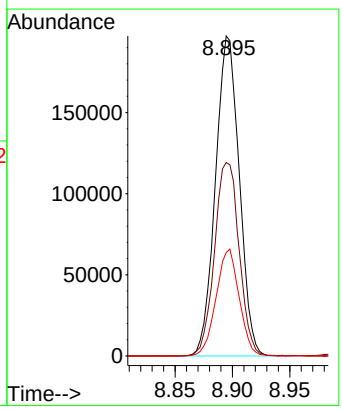


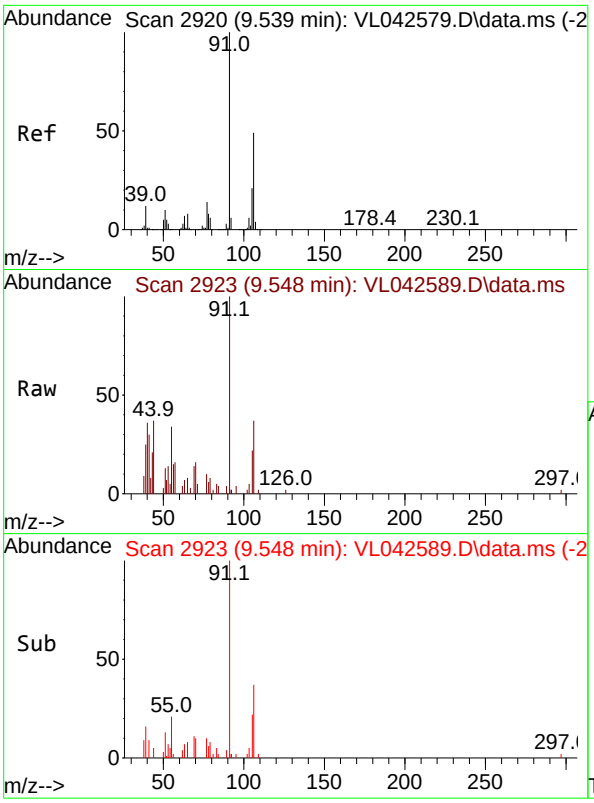


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion:117 Resp: 284597

Ion	Ratio	Lower	Upper
117	100		
82	62.6	51.2	76.8
119	32.5	26.3	39.5



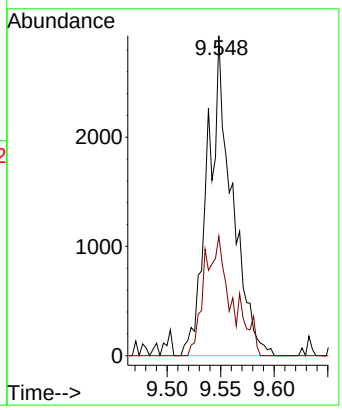


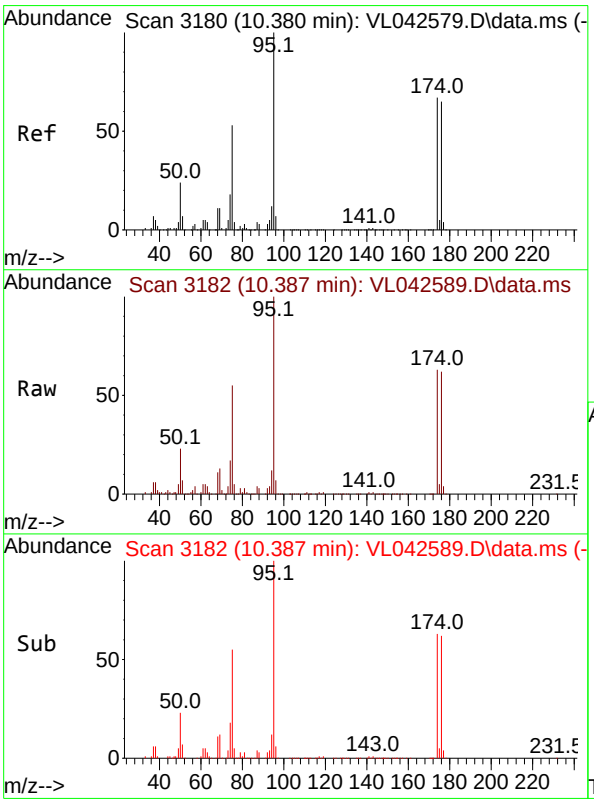
#59
m/p-Xylene
Concen: 0.121 ppbv m
RT: 9.548 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 4611

Ion	Ratio	Lower	Upper
91	100		
106	42.6	38.8	58.2

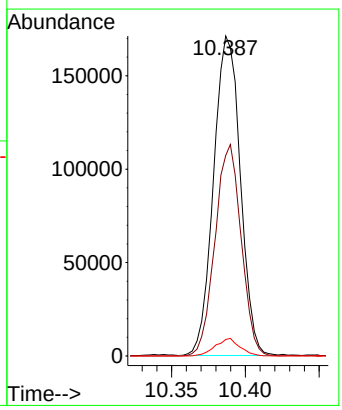


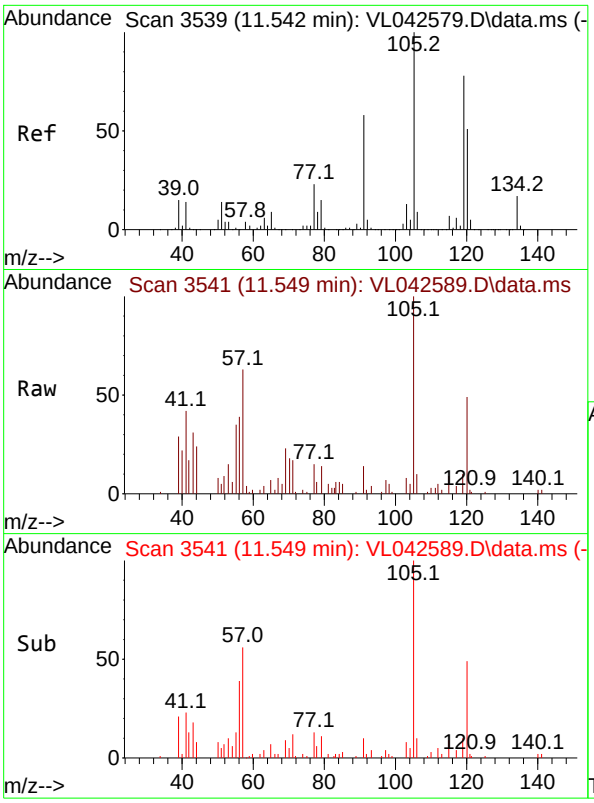


#68
1-Bromo-4-Fluorobenzene
Concen: 10.112 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 95 Resp: 215736

Ion	Ratio	Lower	Upper
95	100		
174	64.7	53.1	79.7
175	5.1	4.2	6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.147 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 6380

Ion	Ratio	Lower	Upper
105	100		
120	50.9	40.8	61.2
91	15.9	46.8	70.2#
77	16.0	18.2	27.2#