Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
Data File : VL042001.D
Acq On : 11 Feb 2025 13:21
Operator : SY/MD
Sample : Q1342-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Quant Time: Feb 11 22:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	160486	10.000	ppbv		-0.01
33) 1,4-Difluorobenzene	3.955	114	430354	10.000	ppbv		-0.02
55) Chlorobenzene-d5	8.878	117	367569	10.000	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	281645	9.728	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	7871	0.360	ppbv		98
3) Chlorodifluoromethane	1.473	51	5594m	0.244	ppbv		
4) Chloromethane	1.531	50	4163	0.506	ppbv		90
9) Propene	1.486	41	6970	0.739	ppbv		88
11) Trichlorofluoromethane	1.877	101	4583	0.202	ppbv		96
13) Ethanol	1.719	45	32037	46.364	ppbv		89
15) Acetone	1.835	43	62639	3.250	ppbv		94
19) Isopropyl Alcohol	1.887	45	26218	2.294	ppbv	#	36
20) Methylene Chloride	2.059	84	2784	0.365	ppbv		98
26) Hexane	2.826	57	2091	0.102	ppbv	#	58
34) 2-Butanone	2.564	43	3995	0.146	ppbv		93
35) Carbon Tetrachloride	3.761	117	1974m	0.073	ppbv		
36) Benzene	3.654	78	8621	0.218	ppbv	#	94
53) Toluene	6.930	91	8867	0.206	ppbv		94

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

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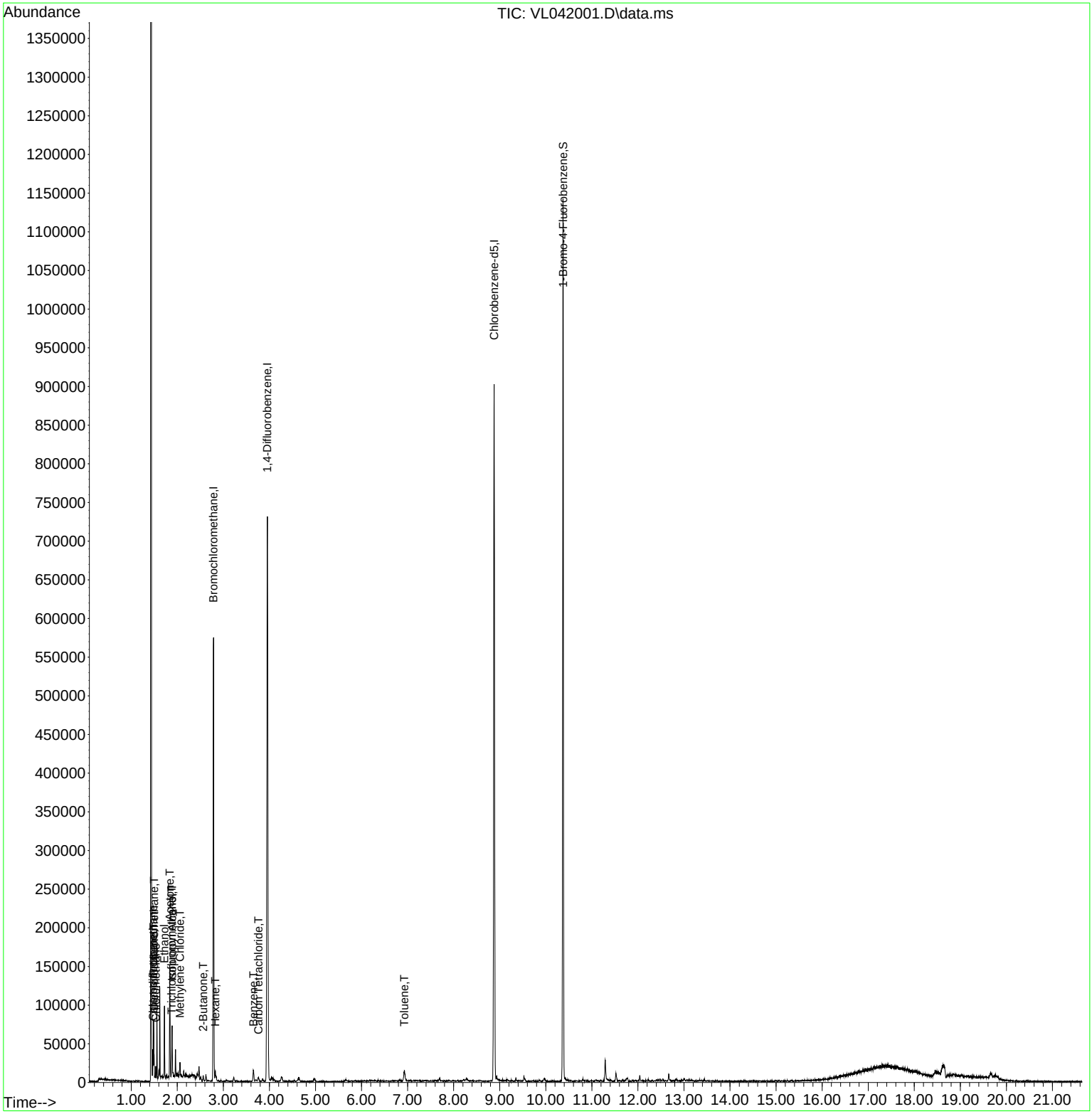
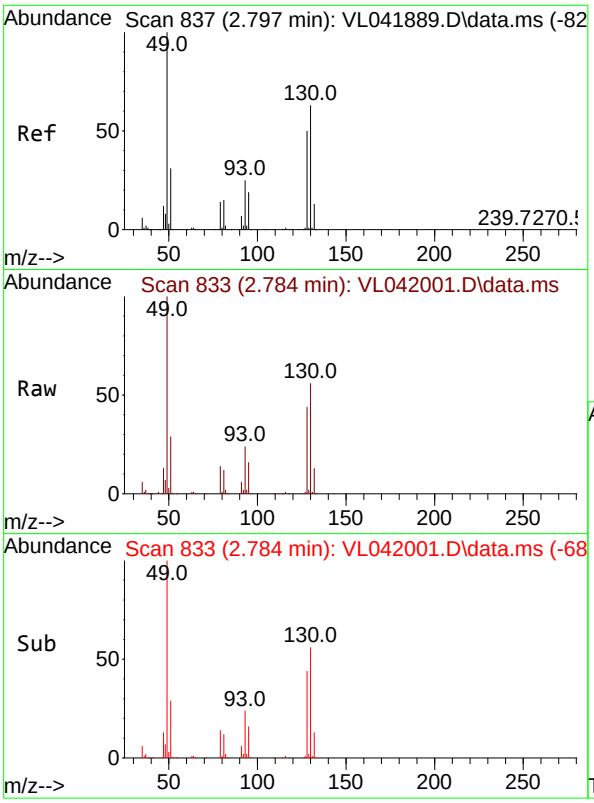


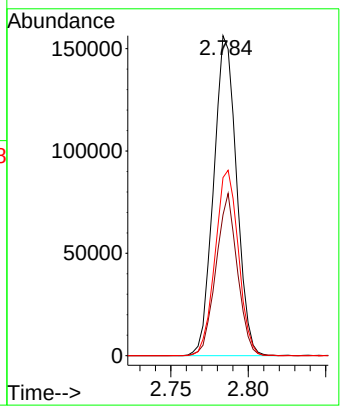


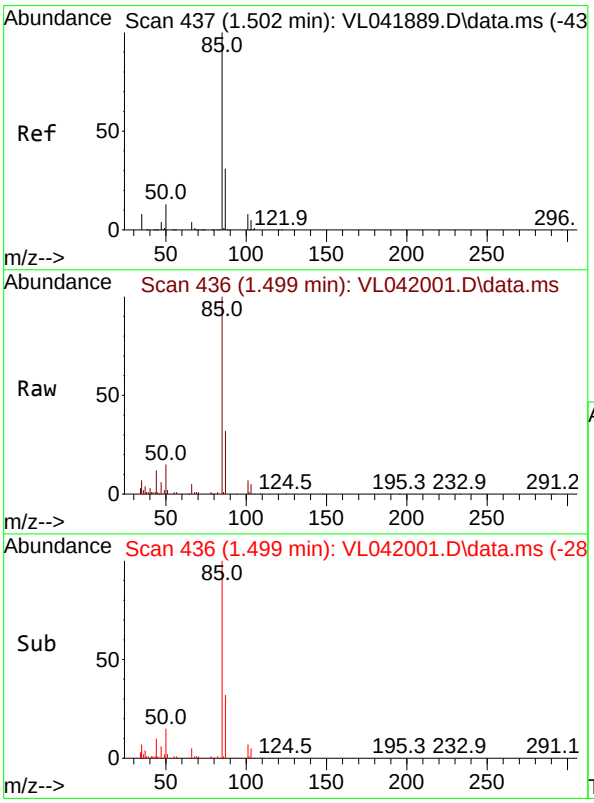
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.013 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 49 Resp: 160486

Ion	Ratio	Lower	Upper
49	100		
128	47.4	24.3	73.0
130	58.8	31.1	93.2

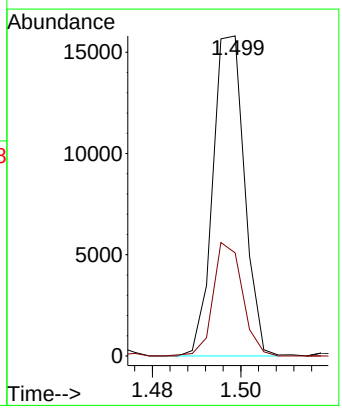


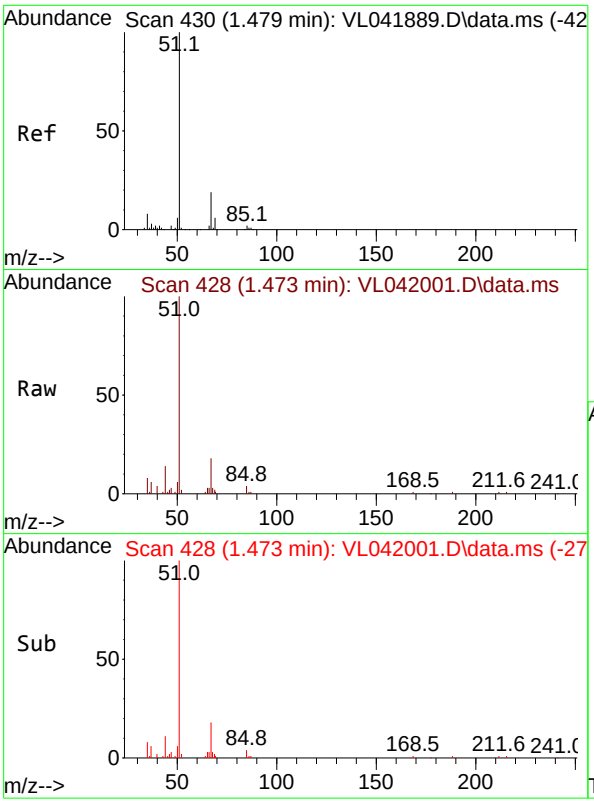


#2
Dichlorodifluoromethane
Concen: 0.360 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion: 85 Resp: 7871

Ion	Ratio	Lower	Upper
85	100		
87	32.2	24.9	37.3



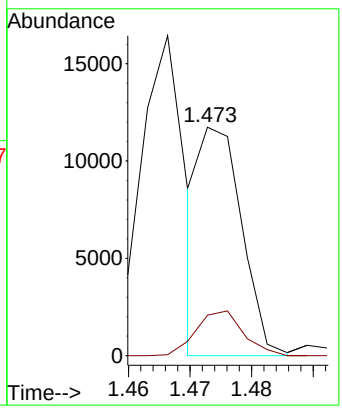


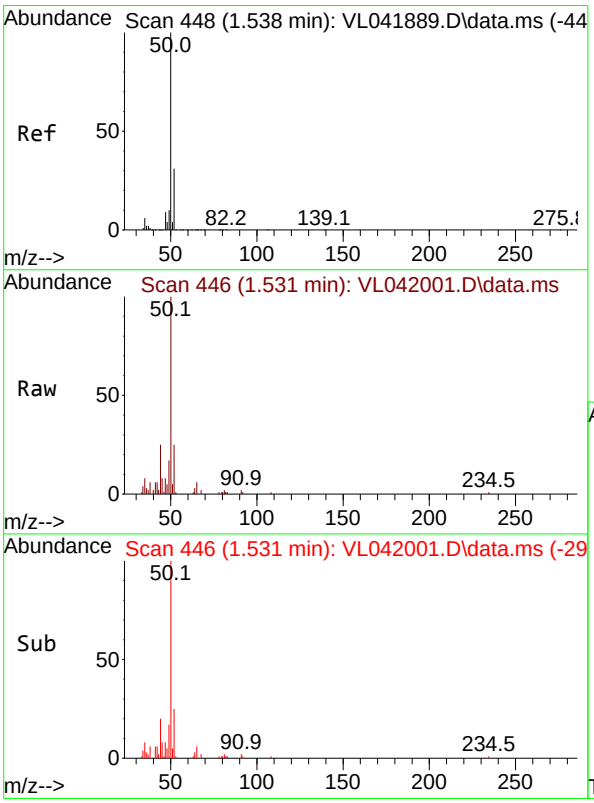
#3
Chlorodifluoromethane
Concen: 0.244 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 51 Resp: 5594

Ion	Ratio	Lower	Upper
51	100		
67	22.1	15.0	22.4

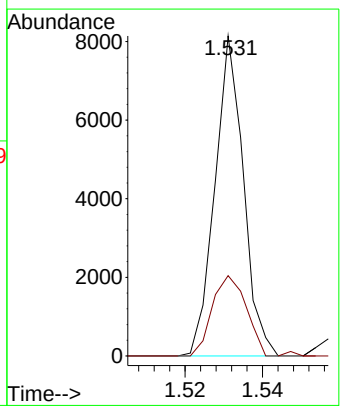


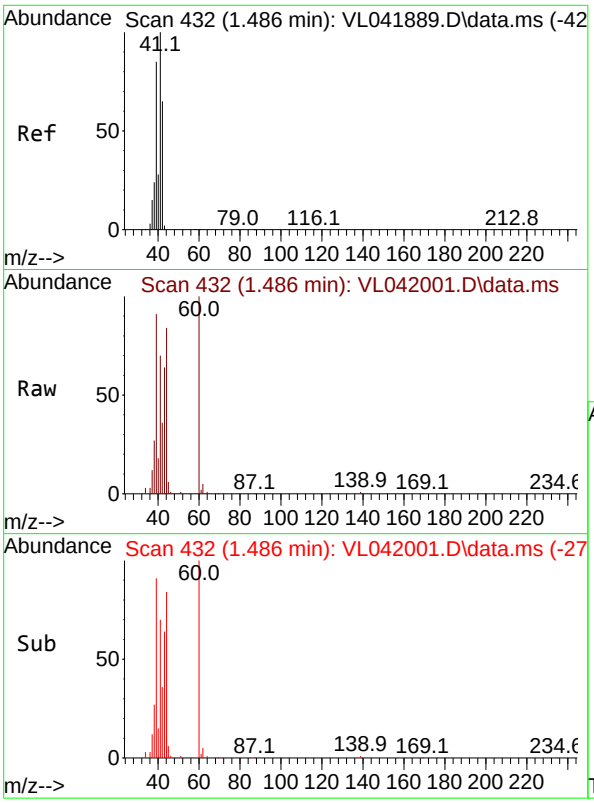


#4
Chloromethane
Concen: 0.506 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion: 50 Resp: 4163

Ion	Ratio	Lower	Upper
50	100		
52	25.1	24.6	36.8



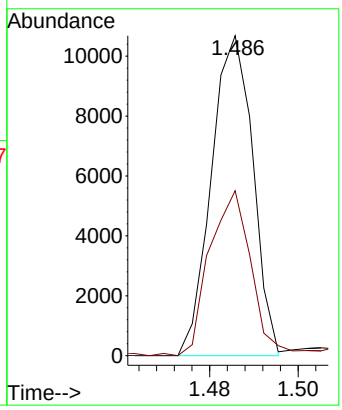


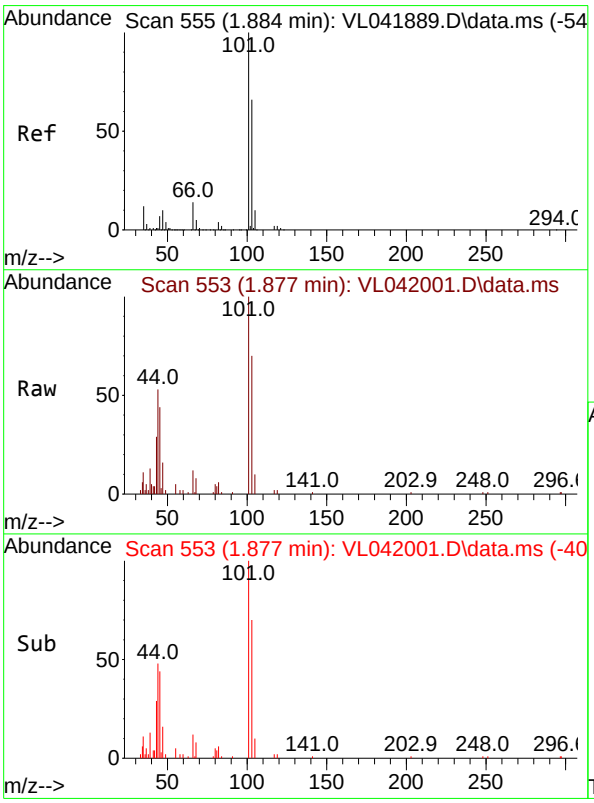
#9
Propene
Concen: 0.739 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 41 Resp: 6970

Ion	Ratio	Lower	Upper
41	100		
42	55.7	52.0	78.0

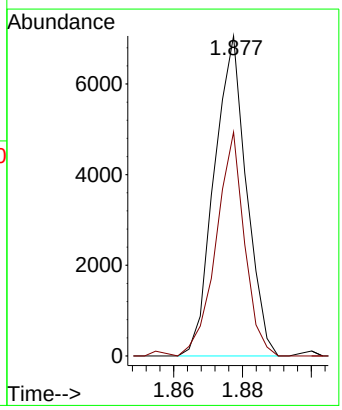


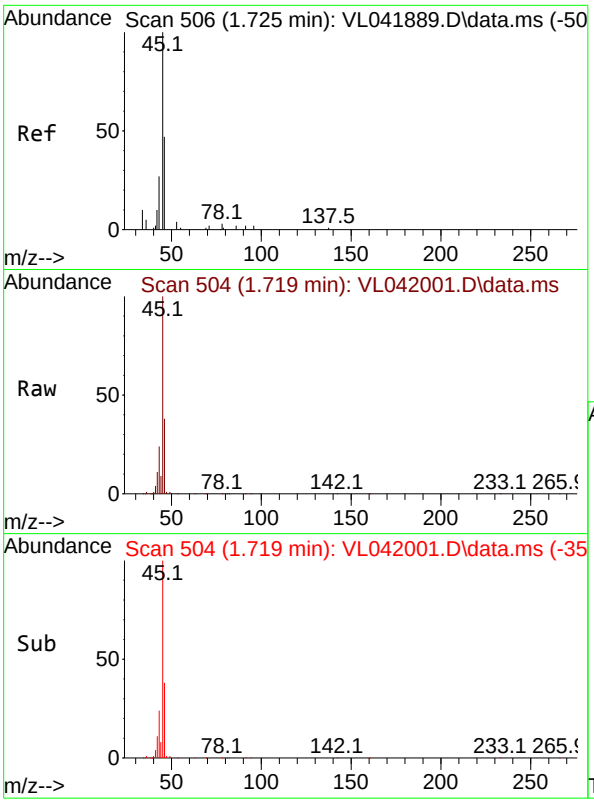


#11
Trichlorofluoromethane
Concen: 0.202 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.006 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion:101 Resp: 4583

Ion	Ratio	Lower	Upper
101	100		
103	69.9	53.1	79.7



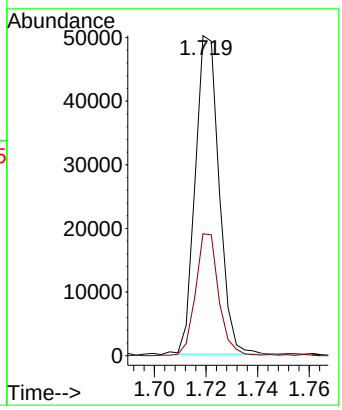


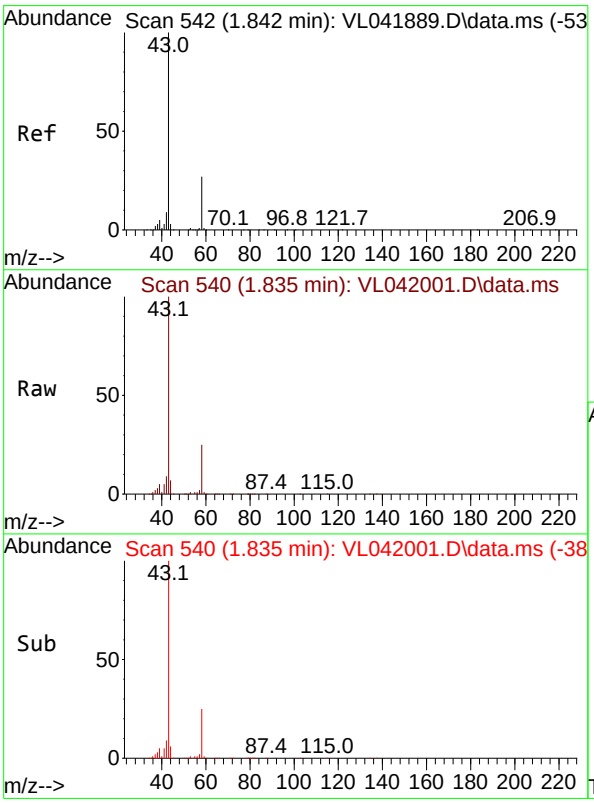
#13
Ethanol
Concen: 46.364 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.006 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 45 Resp: 32037

Ion	Ratio	Lower	Upper
45	100		
46	38.0	18.1	72.5

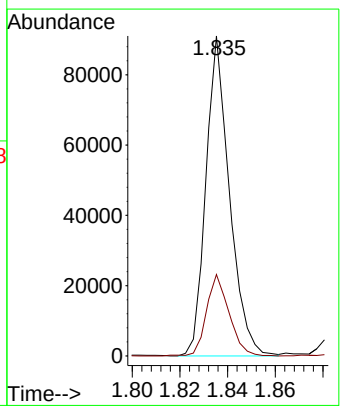


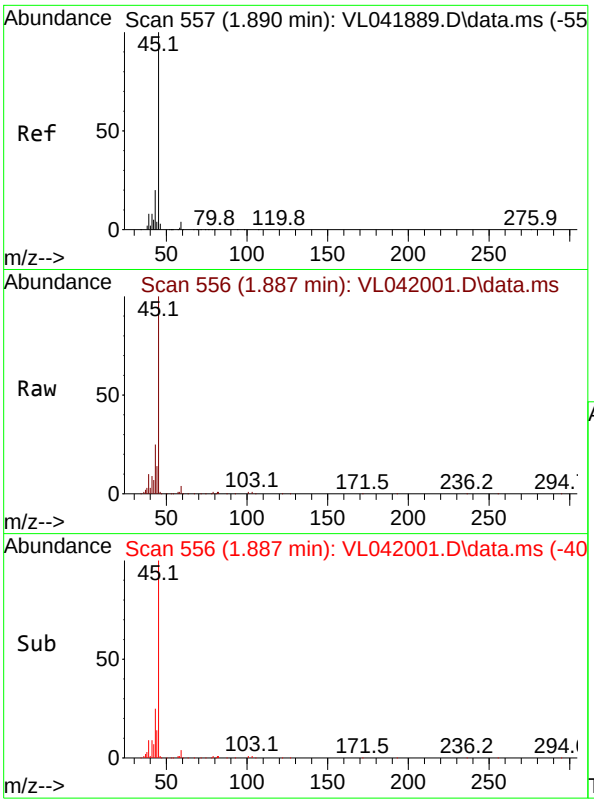


#15
Acetone
Concen: 3.250 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.007 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion: 43 Resp: 62639

Ion	Ratio	Lower	Upper
43	100		
58	24.3	21.9	32.9



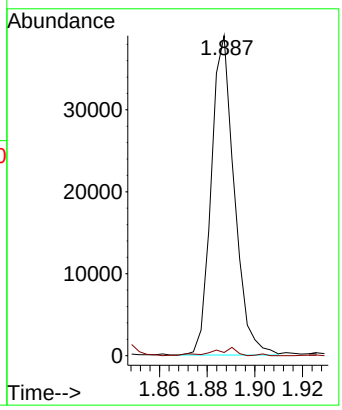


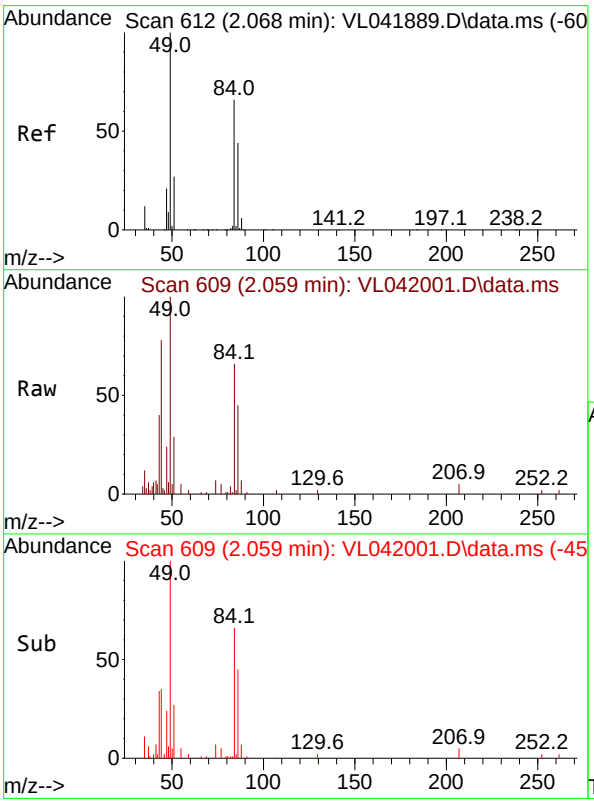
#19
Isopropyl Alcohol
Concen: 2.294 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 45 Resp: 26218

Ion	Ratio	Lower	Upper
45	100		
58	2.6	35.0	52.6#

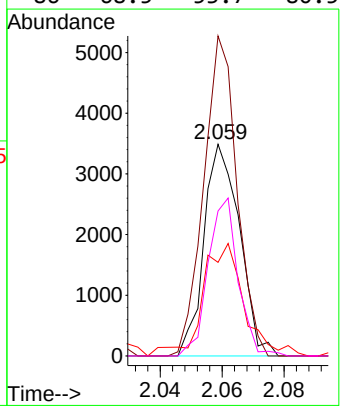


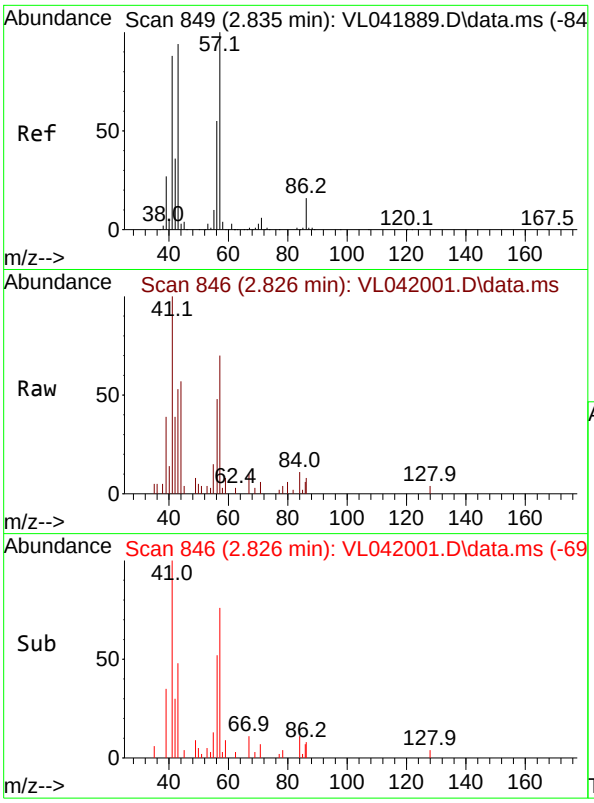


#20
Methylene Chloride
Concen: 0.365 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion: 84 Resp: 2784

Ion	Ratio	Lower	Upper
84	100		
49	151.2	123.1	184.7
51	41.5	35.8	53.8
86	68.5	53.7	80.5



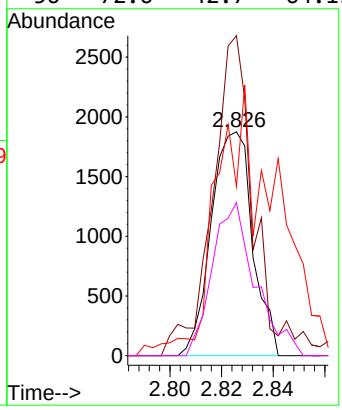


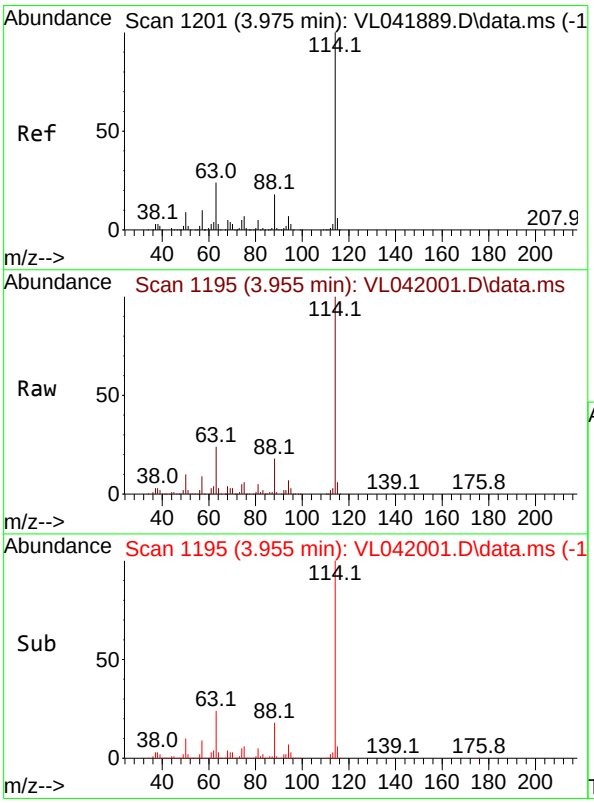
#26
Hexane
Concen: 0.102 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 57 Resp: 2091

Ion	Ratio	Lower	Upper
57	100		
41	144.4	73.8	110.8#
43	175.2	197.3	295.9#
56	72.6	42.7	64.1#

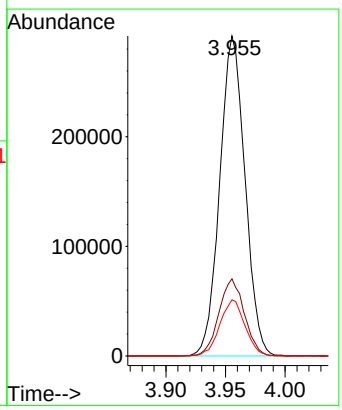


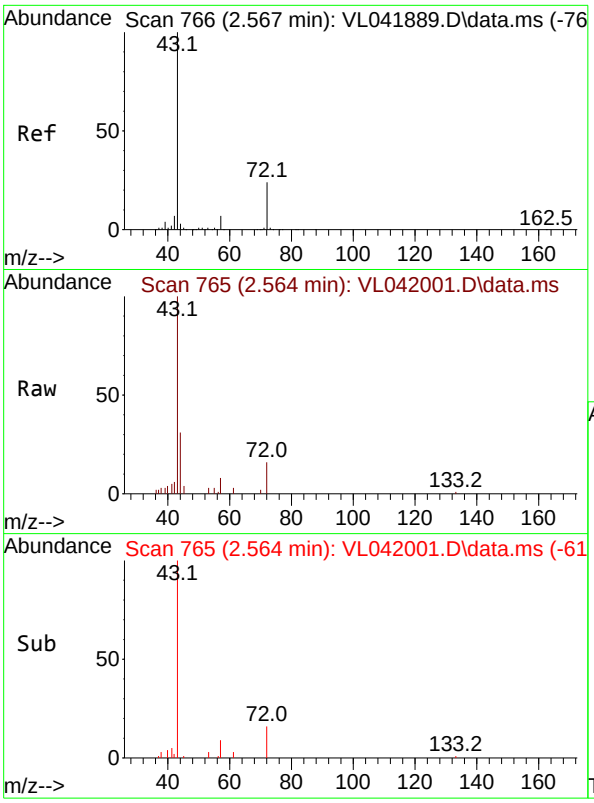


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.019 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion:114 Resp: 430354

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.8	29.6
88	17.4	14.4	21.6



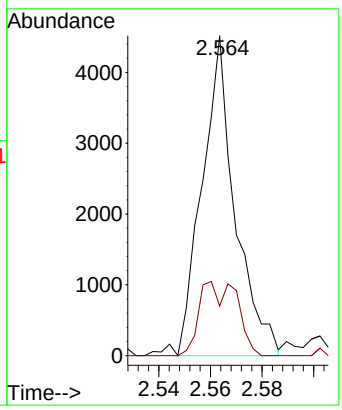


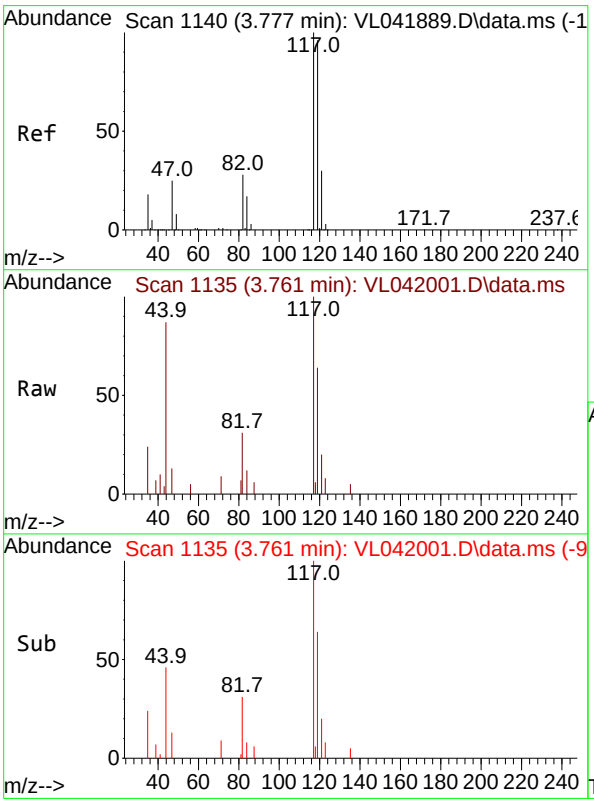
#34
2-Butanone
Concen: 0.146 ppbv
RT: 2.564 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 43 Resp: 3995

Ion	Ratio	Lower	Upper
43	100		
72	26.7	18.6	28.0

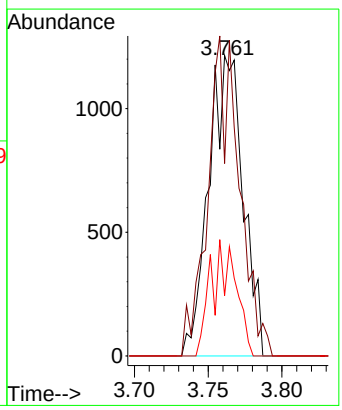


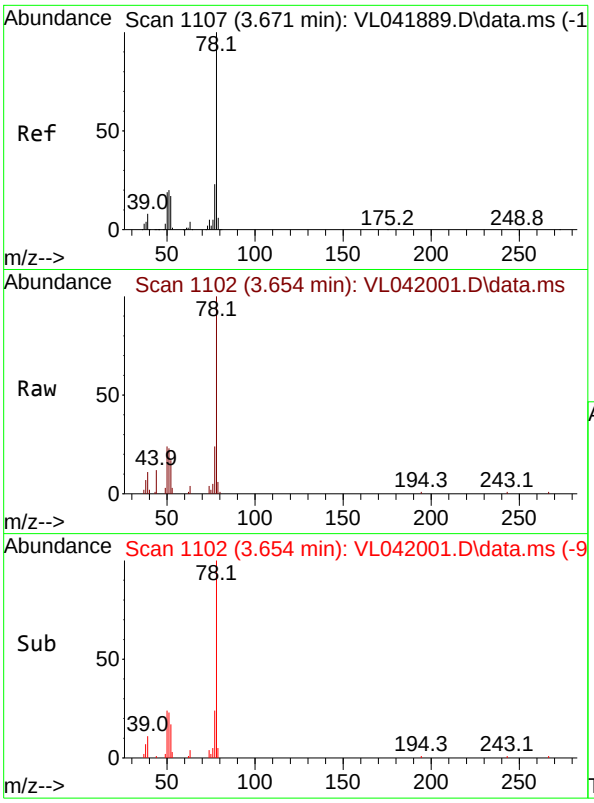


#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. -0.016 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion:117 Resp: 1974

Ion	Ratio	Lower	Upper
117	100		
119	64.0	76.9	115.3#
121	20.1	23.8	35.6#



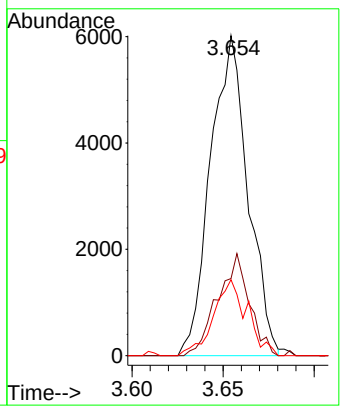


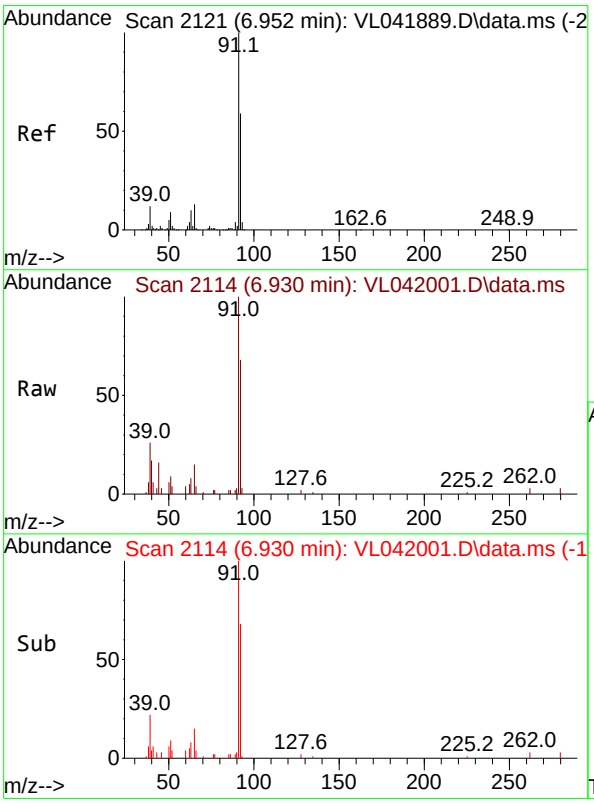
#36
Benzene
Concen: 0.218 ppbv
RT: 3.654 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 78 Resp: 8621

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.1	27.1
50	23.7	15.2	22.8#

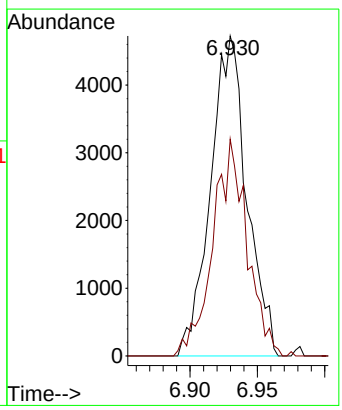


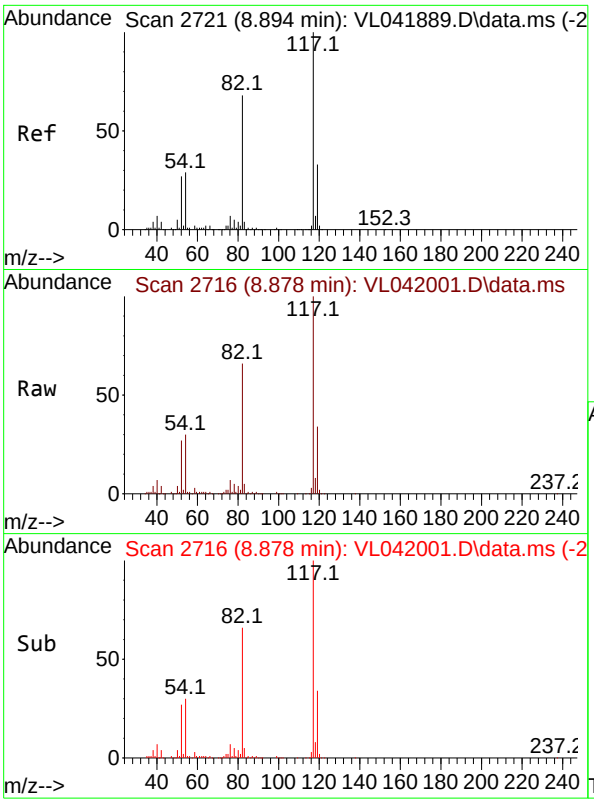


#53
Toluene
Concen: 0.206 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.023 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion: 91 Resp: 8867

Ion	Ratio	Lower	Upper
91	100		
92	63.8	47.4	71.0



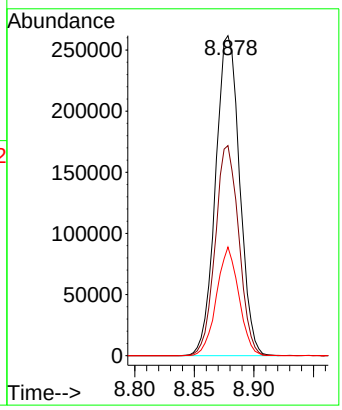


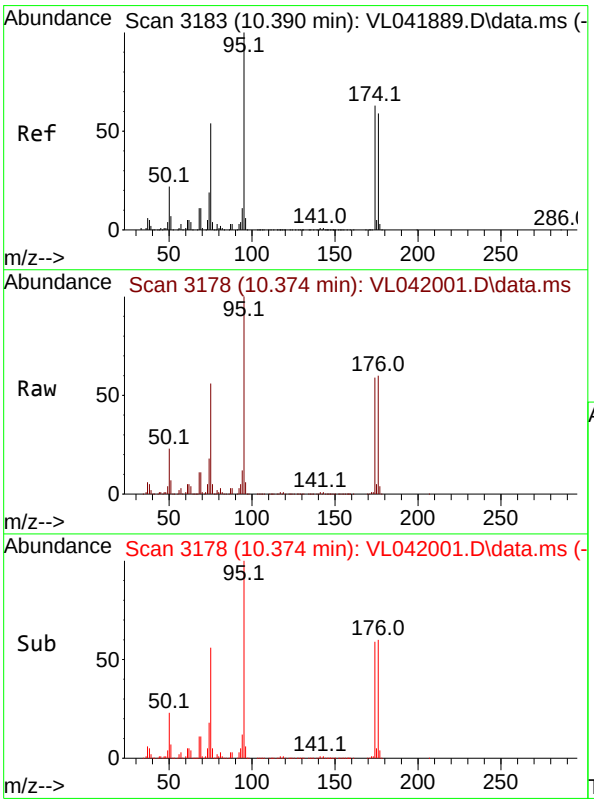
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion:117 Resp: 367569

Ion	Ratio	Lower	Upper
117	100		
82	64.3	54.2	81.4
119	31.6	25.0	37.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.728 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.016 min
Lab File: VL042001.D
Acq: 11 Feb 2025 13:21

Tgt Ion: 95 Resp: 281645

Ion	Ratio	Lower	Upper
95	100		
174	60.3	49.0	73.4
175	4.7	3.8	5.8