Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
Data File : VL041998.D
Acq On : 11 Feb 2025 11:39
Operator : SY/MD
Sample : Q1342-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Feb 11 22:18:33 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	2.780	49	163540	10.000	ppbv		-0.02
33) 1,4-Difluorobenzene	3.949	114	454250	10.000	ppbv		-0.03
55) Chlorobenzene-d5	8.872	117	398767	10.000	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.367	95	323329	10.294	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	8116	0.364	ppbv		93
4) Chloromethane	1.531	50	4224	0.504	ppbv	#	89
9) Propene	1.483	41	6238	0.649	ppbv		96
10) Heptane	4.968	43	7115	0.277	ppbv		96
11) Trichlorofluoromethane	1.874	101	4423	0.191	ppbv	#	79
13) Ethanol	1.719	45	84552	120.078	ppbv		90
15) Acetone	1.832	43	69626	3.545	ppbv		98
19) Isopropyl Alcohol	1.884	45	30975	2.660	ppbv	#	75
20) Methylene Chloride	2.059	84	1849	0.238	ppbv	#	92
26) Hexane	2.819	57	6857	0.327	ppbv	#	51
29) Chloroform	2.842	83	5393	0.163	ppbv		94
30) Cyclohexane	3.852	84	6942m	0.382	ppbv		
34) 2-Butanone	2.560	43	5549	0.192	ppbv	#	88
35) Carbon Tetrachloride	3.755	117	2075m	0.073	ppbv		
36) Benzene	3.648	78	14133	0.339	ppbv		96
52) Tetrachloroethene	8.218	164	470m	0.033	ppbv		
53) Toluene	6.920	91	23101	0.509	ppbv		97
58) Ethyl Benzene	9.348	91	6500	0.104	ppbv	#	85
59) m/p-Xylene	9.522	91	16482m	0.330	ppbv		
60) o-Xylene	9.956	91	7656m	0.154	ppbv		

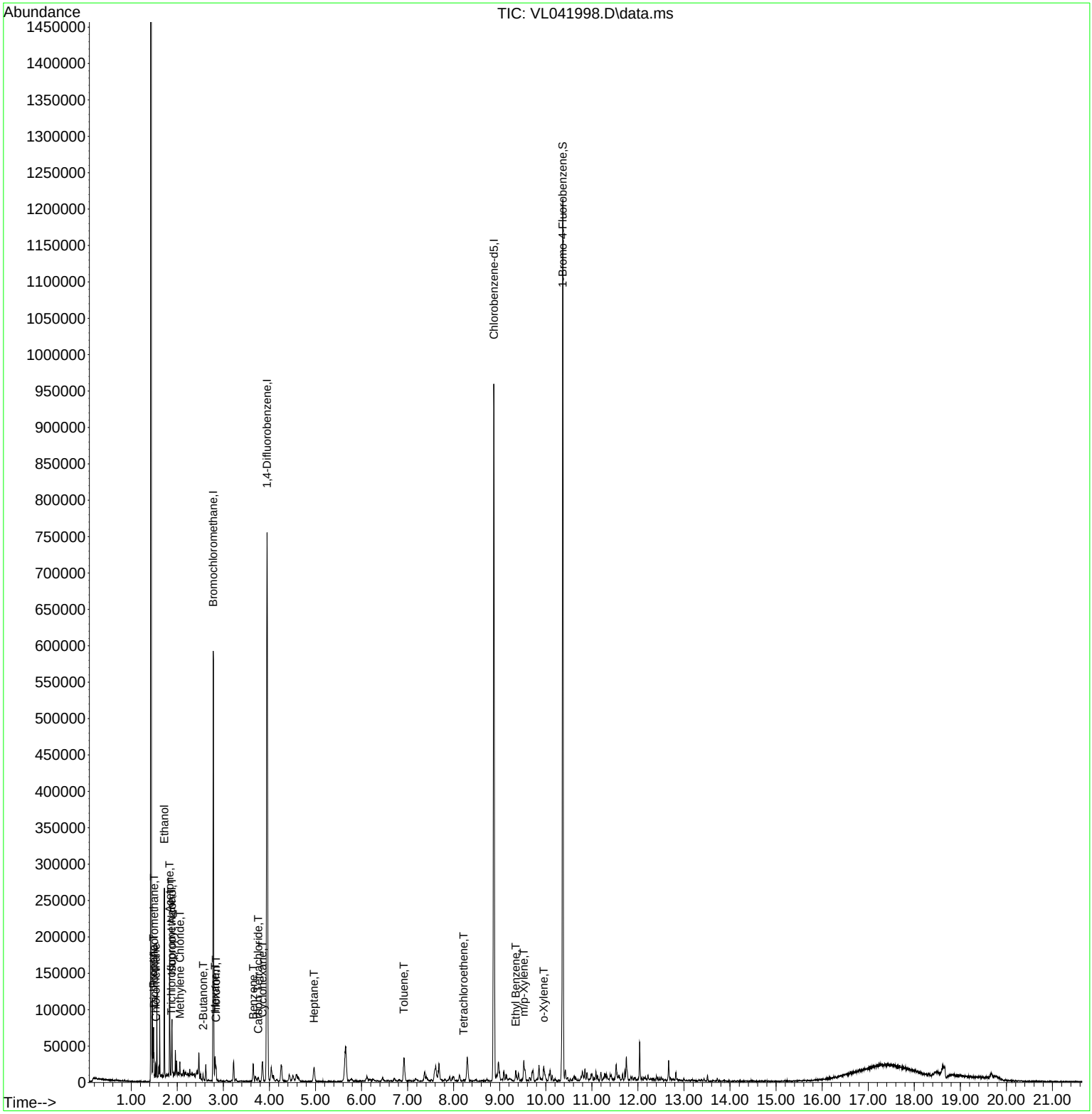
(#) = qualifier out of range (m) = manual integration (+) = signals summed

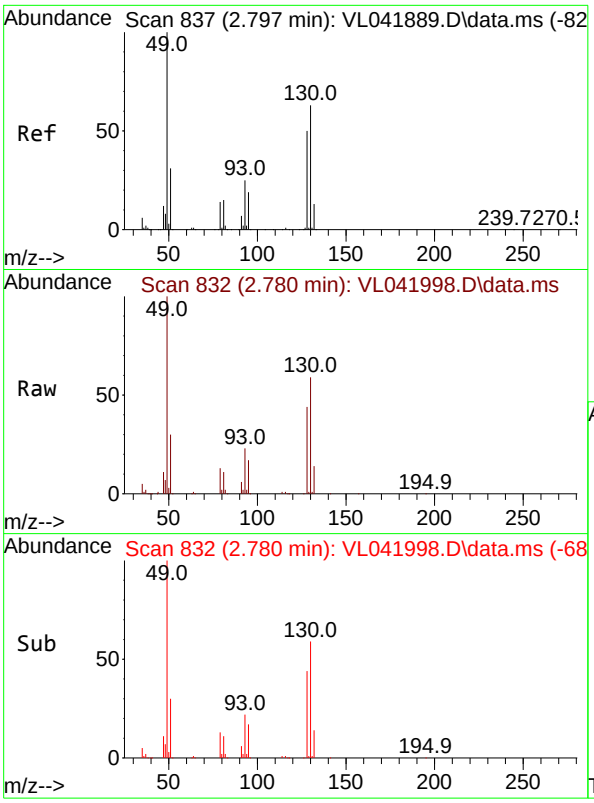
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
Data File : VL041998.D
Acq On : 11 Feb 2025 11:39
Operator : SY/MD
Sample : Q1342-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Feb 11 22:18:33 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



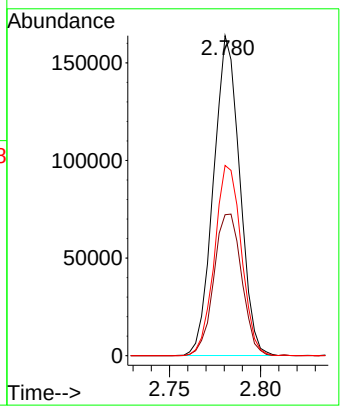


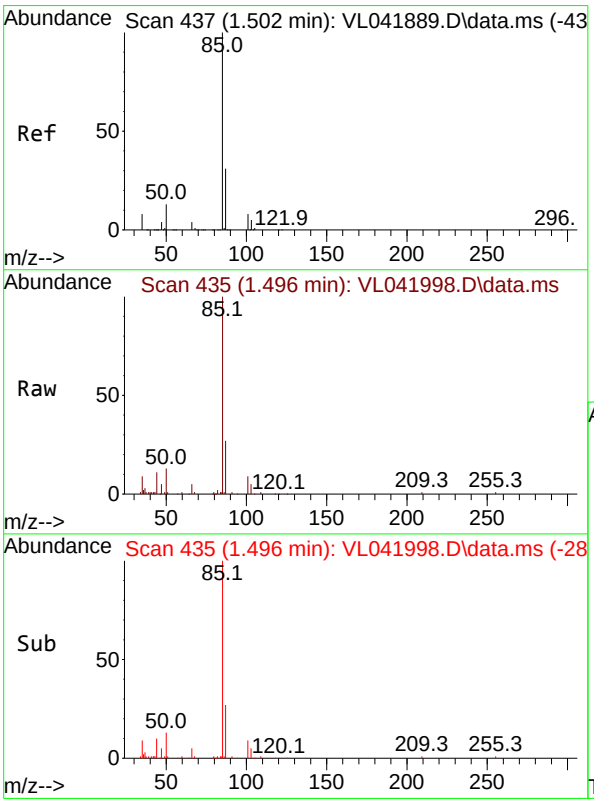
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.017 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 163540

Ion	Ratio	Lower	Upper
49	100		
128	47.2	24.3	73.0
130	61.0	31.1	93.2

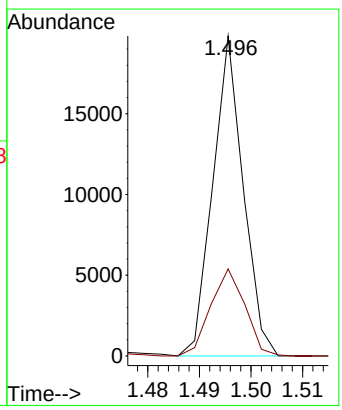


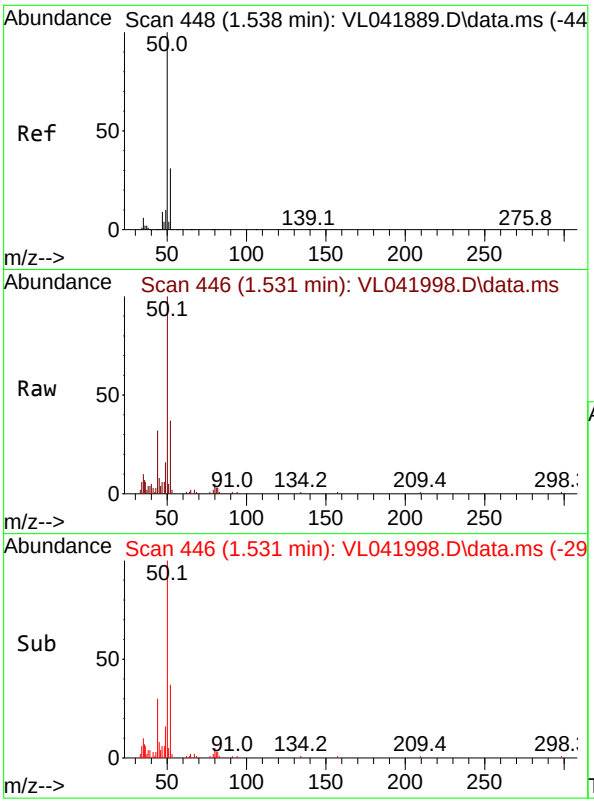


#2
Dichlorodifluoromethane
Concen: 0.364 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 85 Resp: 8116

Ion	Ratio	Lower	Upper
85	100		
87	27.2	24.9	37.3



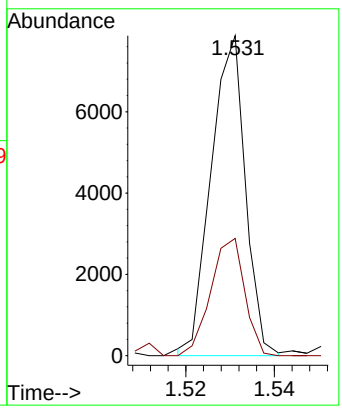


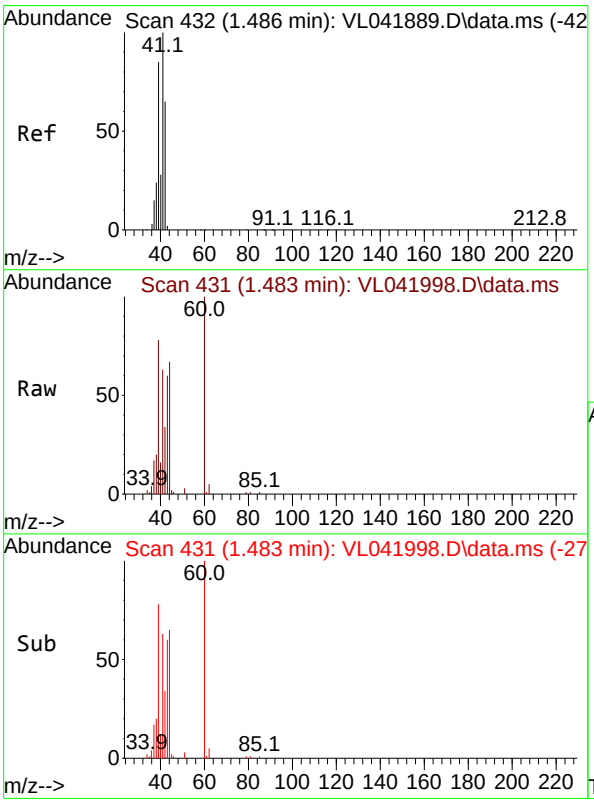
#4
Chloromethane
Concen: 0.504 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 50 Resp: 4224

Ion	Ratio	Lower	Upper
50	100		
52	37.0	24.6	36.8#

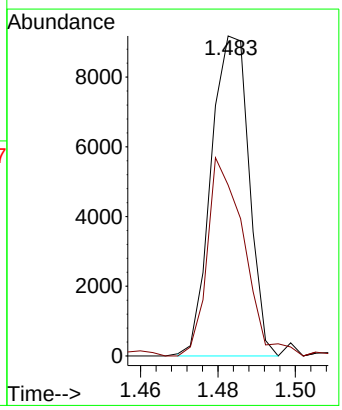


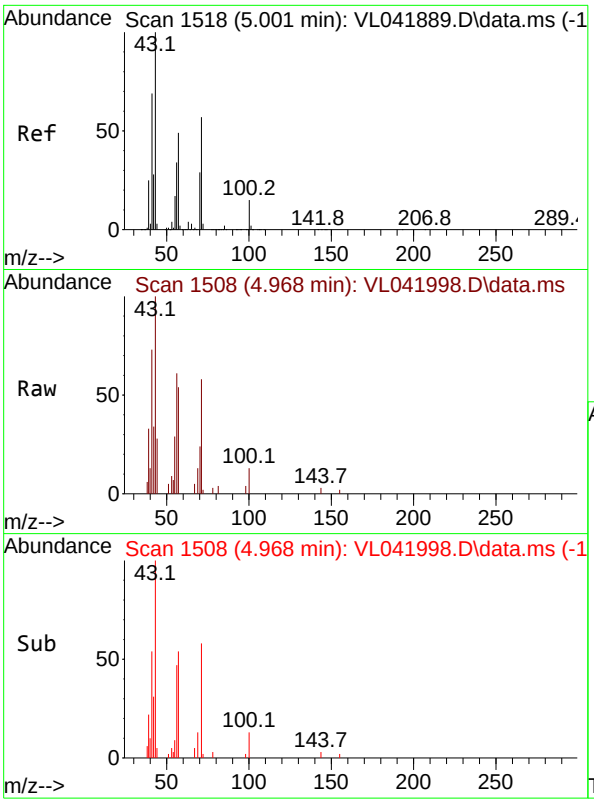


#9
Propene
Concen: 0.649 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 41 Resp: 6238

Ion	Ratio	Lower	Upper
41	100		
42	62.2	52.0	78.0



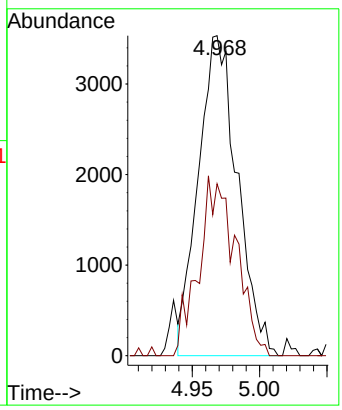


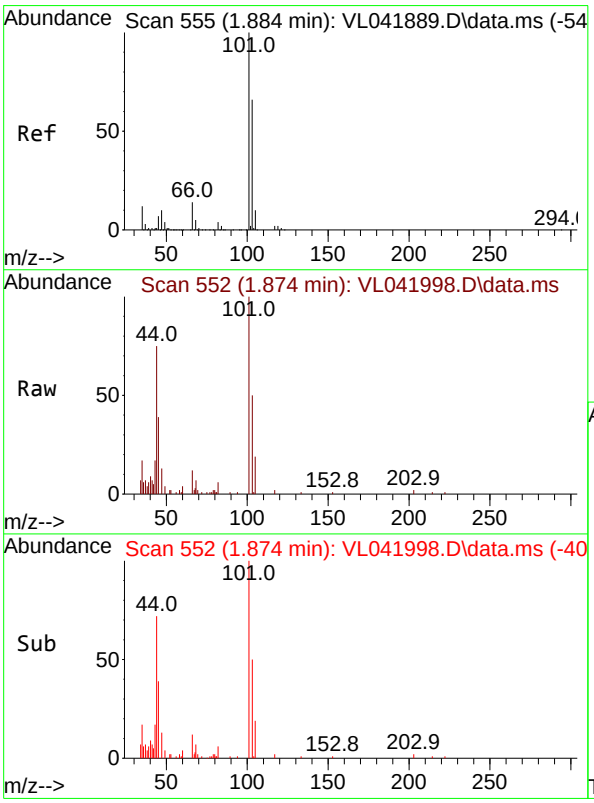
#10
Heptane
Concen: 0.277 ppbv
RT: 4.968 min Scan# 1
Delta R.T. -0.032 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 7115

Ion	Ratio	Lower	Upper
43	100		
57	54.1	41.0	61.4

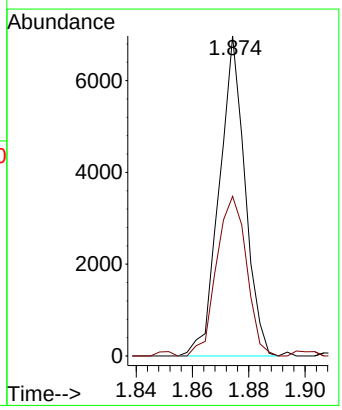


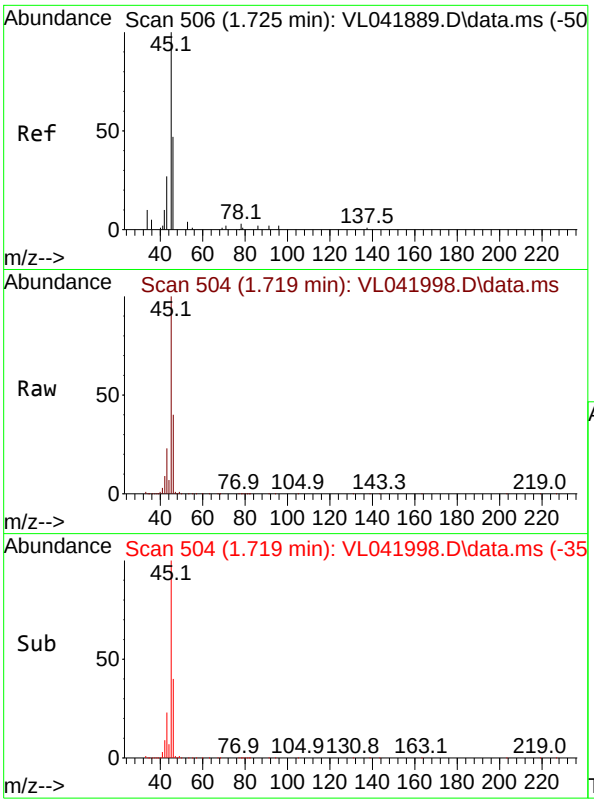


#11
Trichlorofluoromethane
Concen: 0.191 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:101 Resp: 4423

Ion	Ratio	Lower	Upper
101	100		
103	49.9	53.1	79.7#



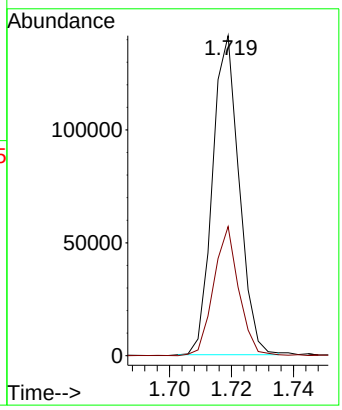


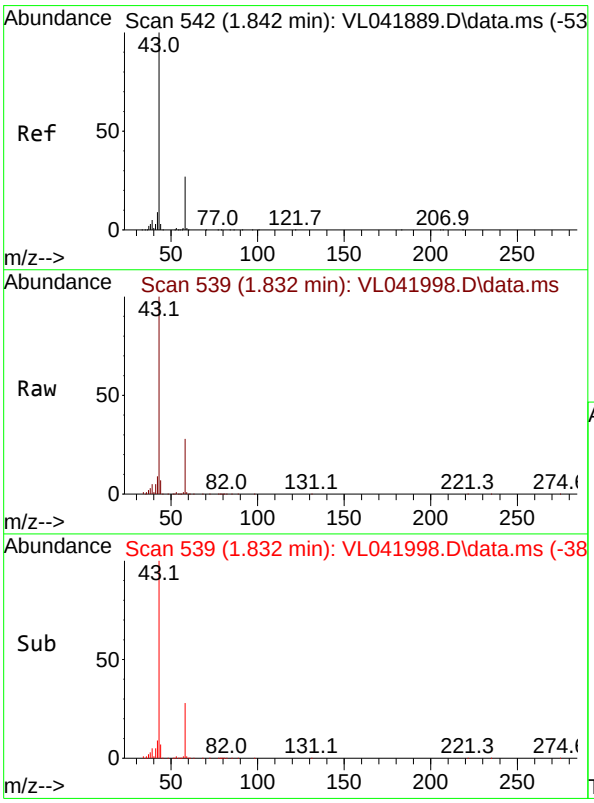
#13
Ethanol
Concen: 120.078 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 84552

Ion	Ratio	Lower	Upper
45	100		
46	38.6	18.1	72.5

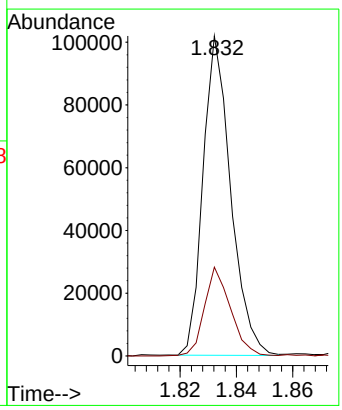


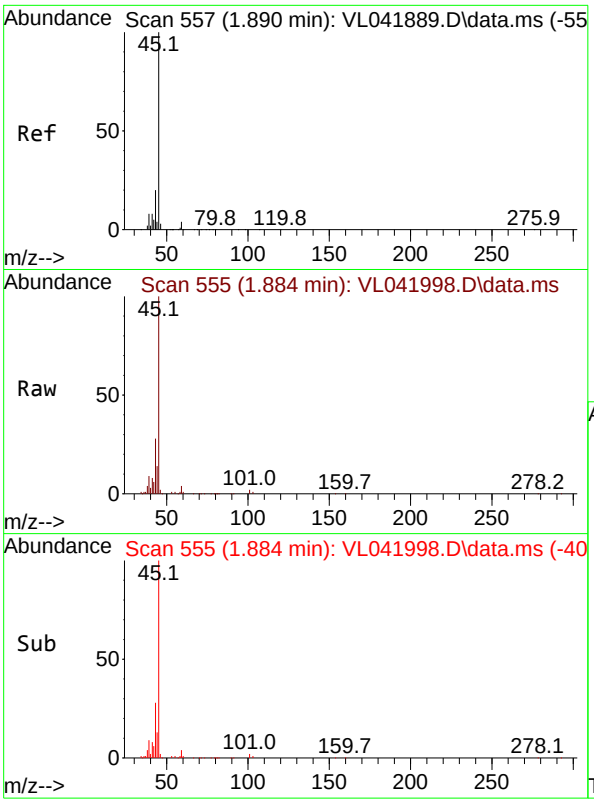


#15
Acetone
Concen: 3.545 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 43 Resp: 69626

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.9	32.9



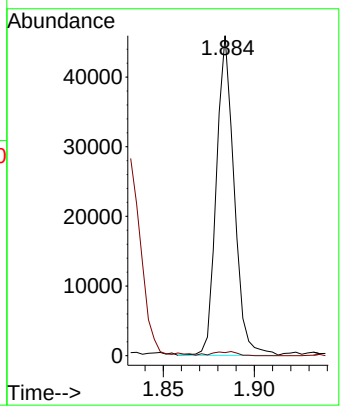


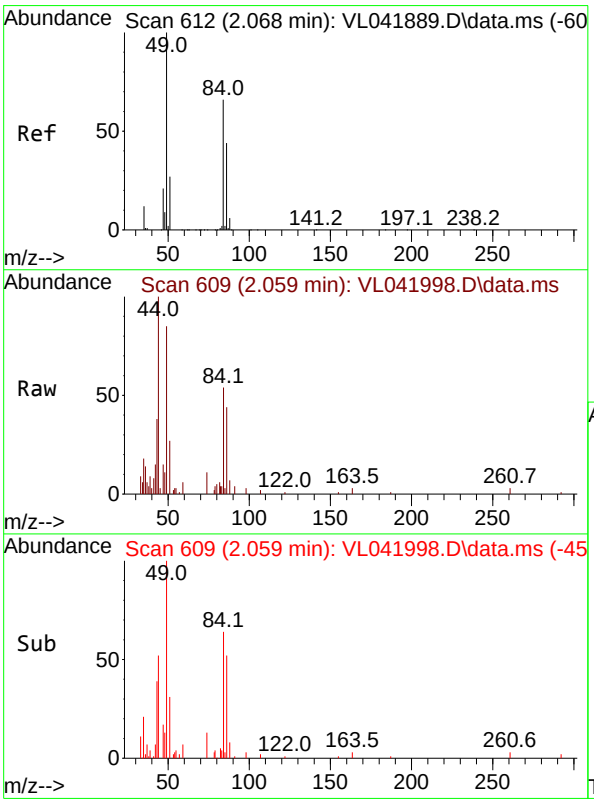
#19
Isopropyl Alcohol
Concen: 2.660 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 30975

Ion	Ratio	Lower	Upper
45	100		
58	59.7	35.0	52.6#

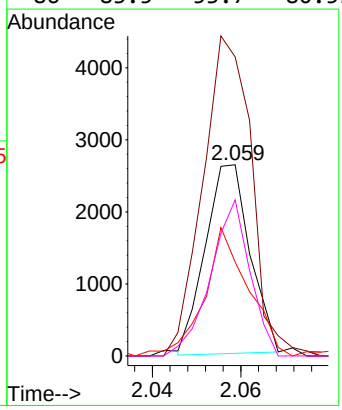


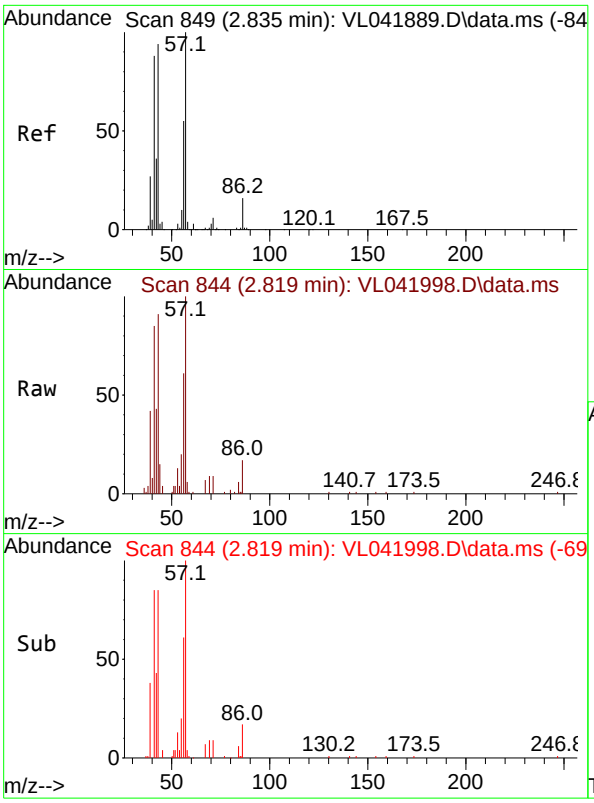


#20
Methylene Chloride
Concen: 0.238 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 84 Resp: 1849

Ion	Ratio	Lower	Upper
84	100		
49	148.9	123.1	184.7
51	45.5	35.8	53.8
86	83.5	53.7	80.5#



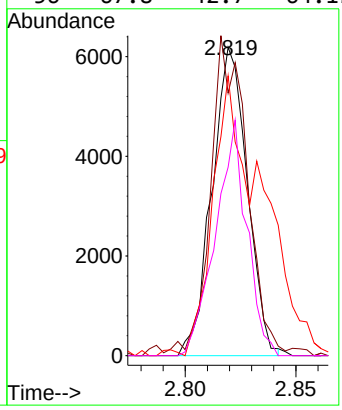


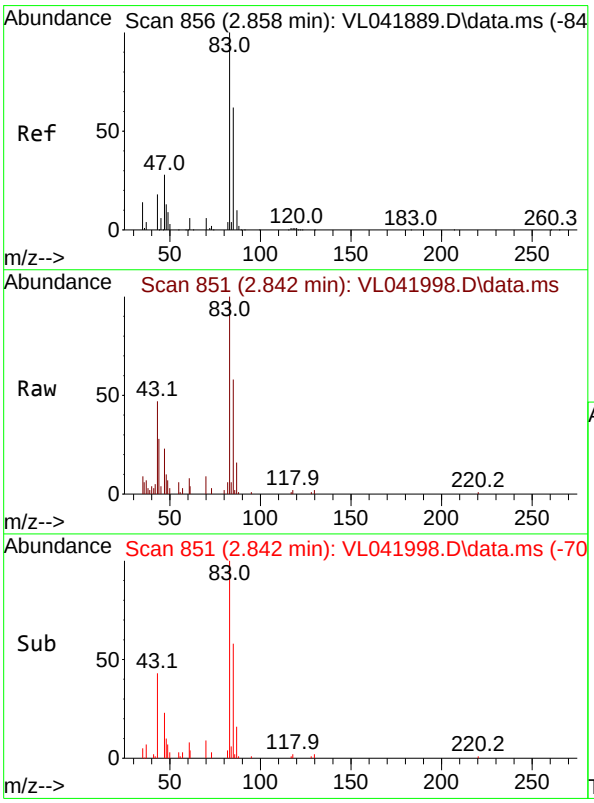
#26
Hexane
Concen: 0.327 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 57 Resp: 6857

Ion	Ratio	Lower	Upper
57	100		
41	108.5	73.8	110.8
43	131.5	197.3	295.9#
56	67.8	42.7	64.1#

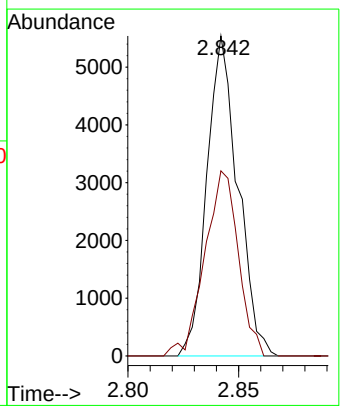


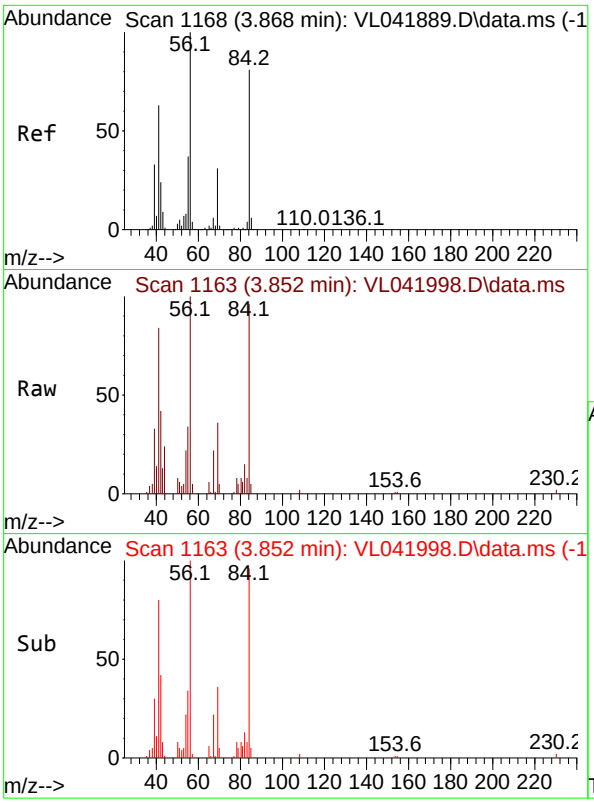


#29
Chloroform
Concen: 0.163 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 83 Resp: 5393

Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.1	75.1



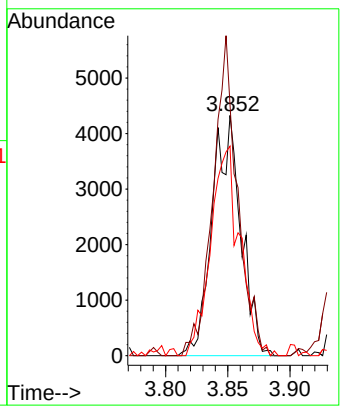


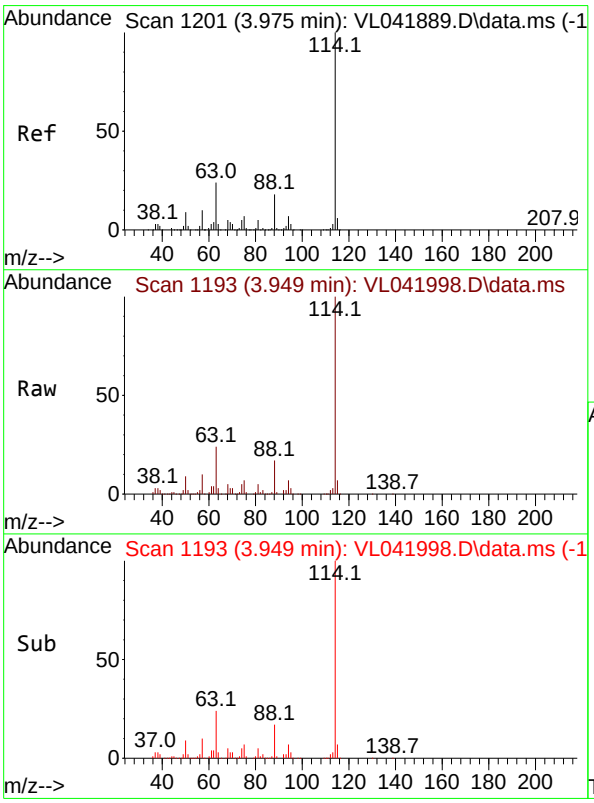
#30
Cyclohexane
Concen: 0.382 ppbv m
RT: 3.852 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 6942

Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.3	148.9#
41	0.0	64.3	96.5#

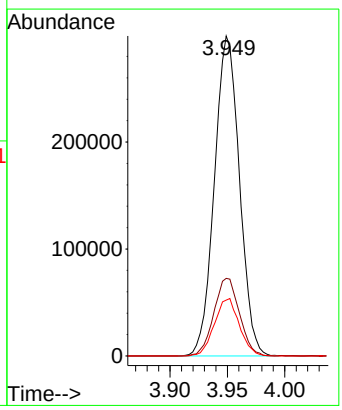


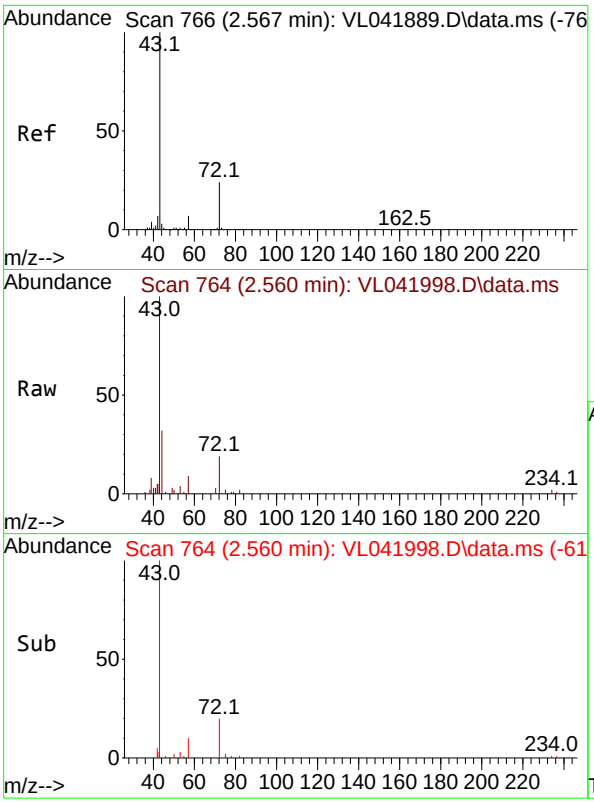


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.026 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:114 Resp: 454250

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	17.9	14.4	21.6



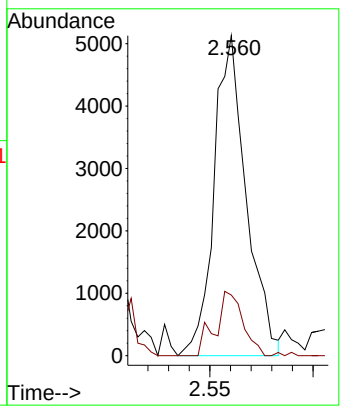


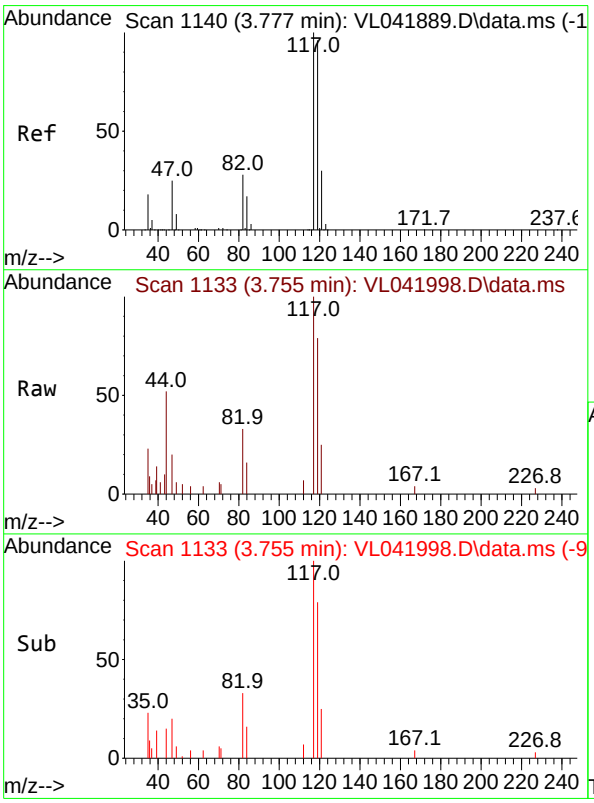
#34
2-Butanone
Concen: 0.192 ppbv
RT: 2.560 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 5549

Ion	Ratio	Lower	Upper
43	100		
72	17.2	18.6	28.0#

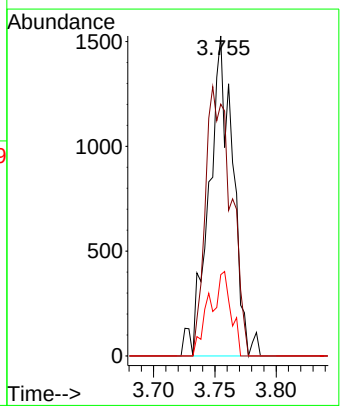


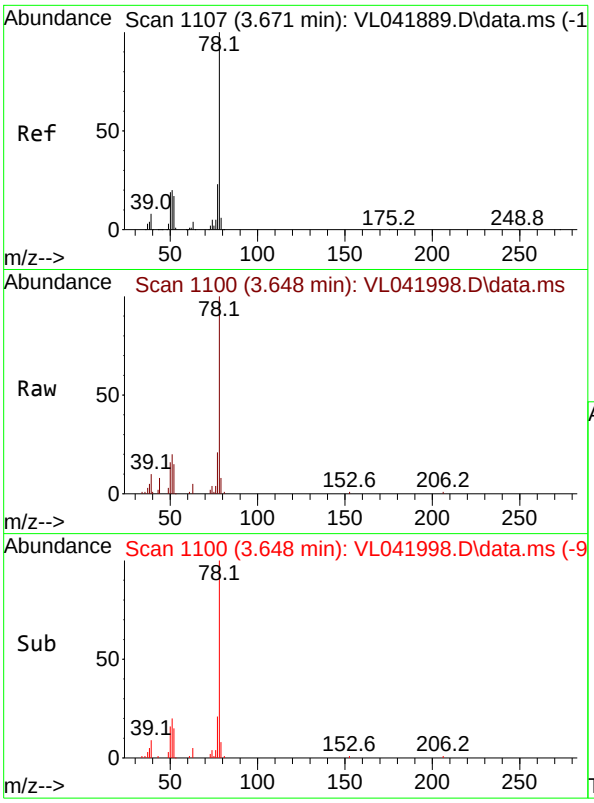


#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:117 Resp: 2075

Ion	Ratio	Lower	Upper
117	100		
119	78.7	76.9	115.3
121	25.4	23.8	35.6



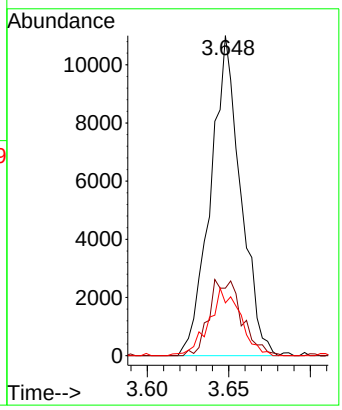


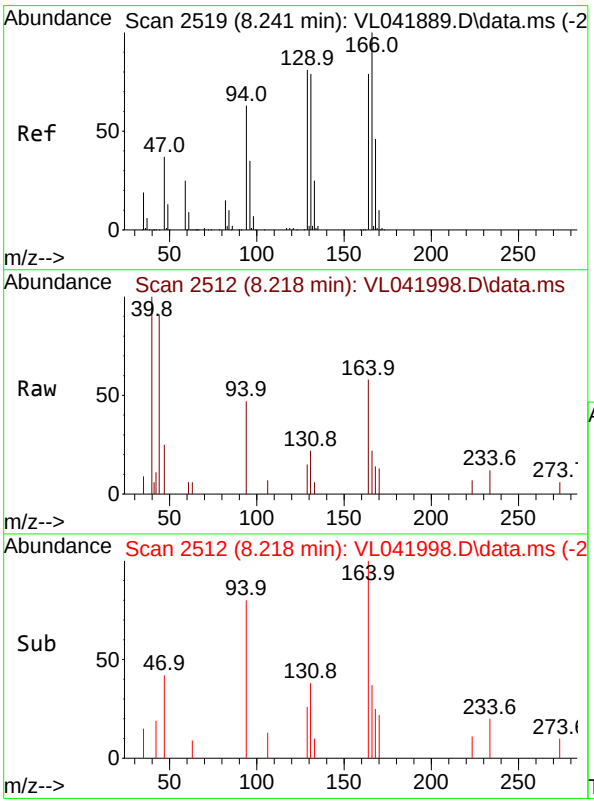
#36
Benzene
Concen: 0.339 ppbv
RT: 3.648 min Scan# 1
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 78 Resp: 14133

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.1	27.1
50	16.5	15.2	22.8

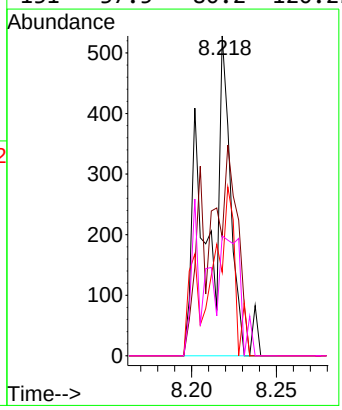


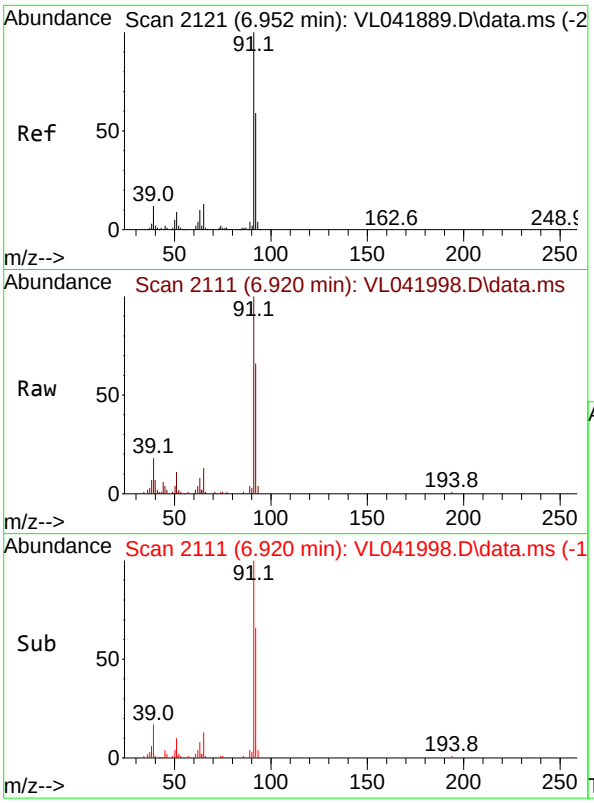


#52
Tetrachloroethene
Concen: 0.033 ppbv m
RT: 8.218 min Scan# 2512
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:164 Resp: 470

Ion	Ratio	Lower	Upper
164	100		
166	37.1	100.8	151.2#
129	26.1	82.0	123.0#
131	37.5	80.2	120.2#



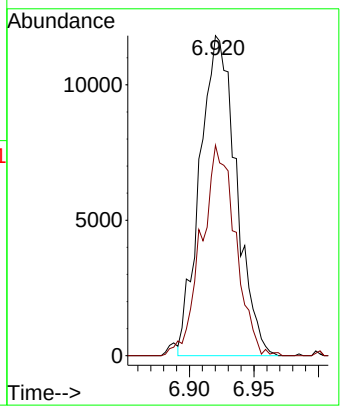


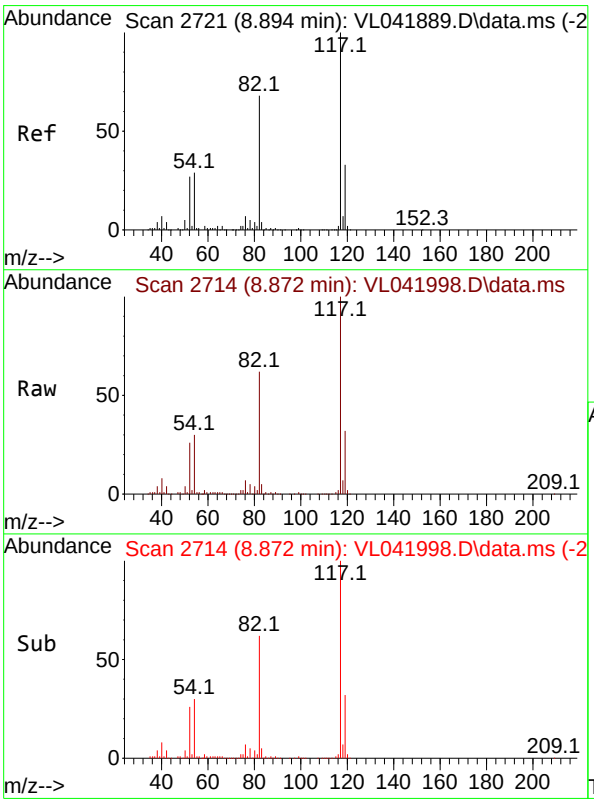
#53
Toluene
Concen: 0.509 ppbv
RT: 6.920 min Scan# 21
Delta R.T. -0.032 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 23101

Ion	Ratio	Lower	Upper
91	100		
92	61.7	47.4	71.0

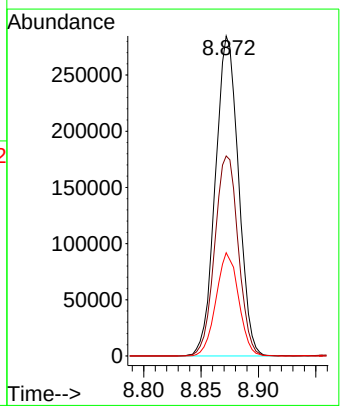


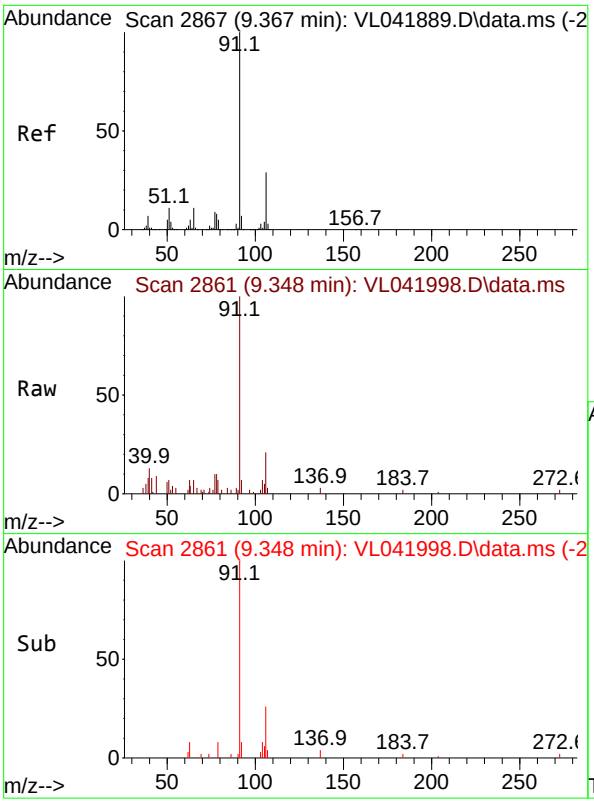


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:117 Resp: 398767

Ion	Ratio	Lower	Upper
117	100		
82	63.7	54.2	81.4
119	31.6	25.0	37.6



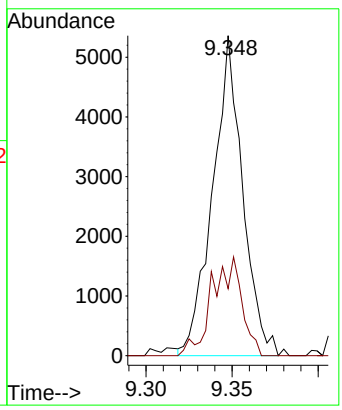


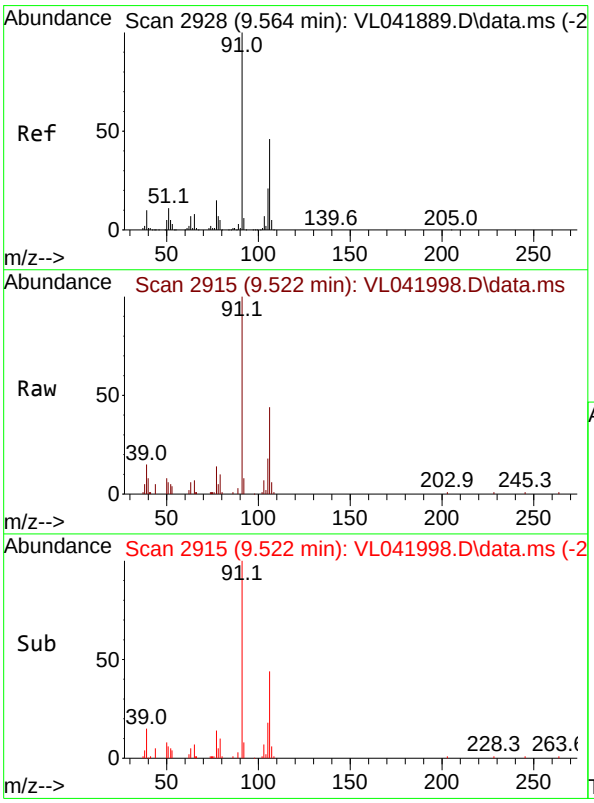
#58
Ethyl Benzene
Concen: 0.104 ppbv
RT: 9.348 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 6500

Ion	Ratio	Lower	Upper
91	100		
106	21.0	23.1	34.7#

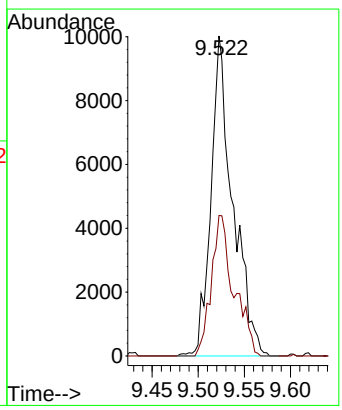


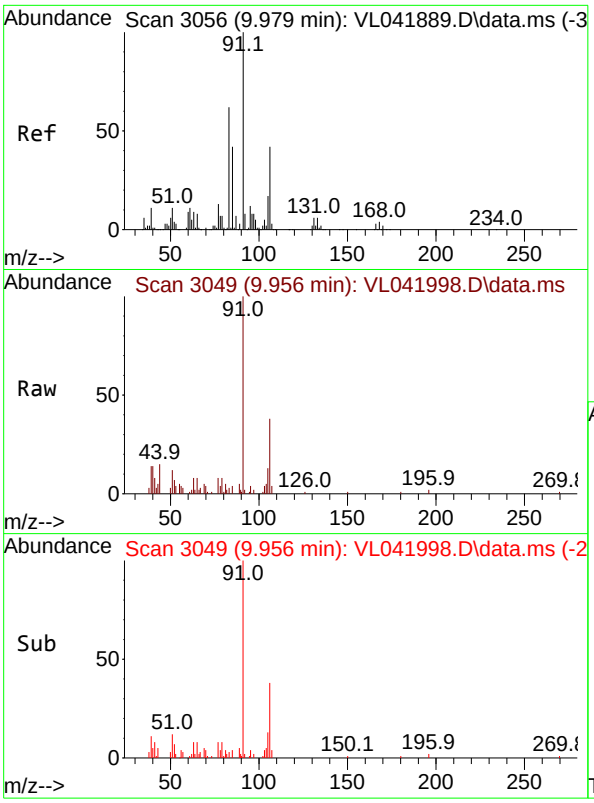


#59
m/p-Xylene
Concen: 0.330 ppbv m
RT: 9.522 min Scan# 2915
Delta R.T. -0.042 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 91 Resp: 16482

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.0	54.0#



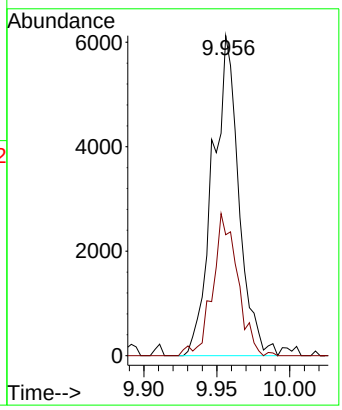


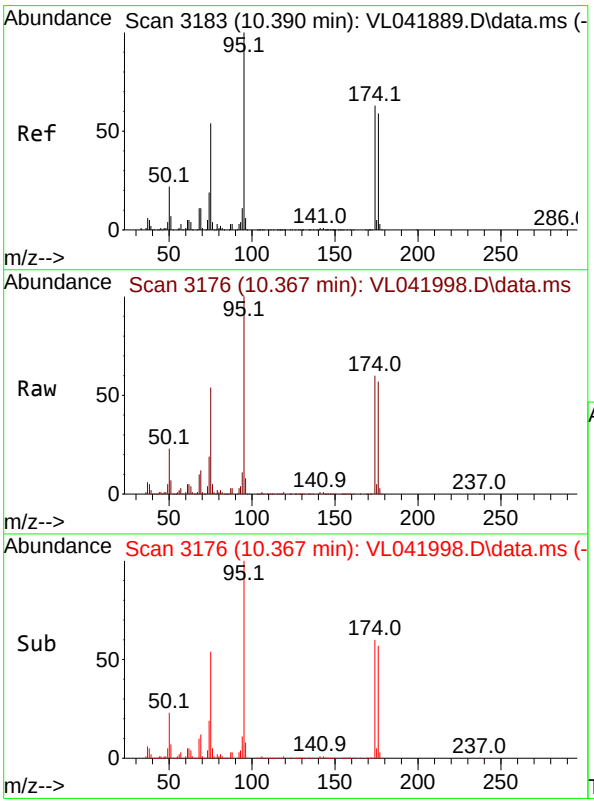
#60
o-Xylene
Concen: 0.154 ppbv m
RT: 9.956 min Scan# 3
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 7656

Ion	Ratio	Lower	Upper
91	100		
106	97.9	21.3	63.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.294 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 95 Resp: 323329

Ion	Ratio	Lower	Upper
95	100		
174	60.6	49.0	73.4
175	4.8	3.8	5.8