Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041923.D
Acq On : 20 Jan 2025 16:43
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 21 03:05:35 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	137449	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.952	114	386440	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	334022	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	259675	9.870	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%			
Target Compounds						Qvalue
9) Propene	1.483	41	569	0.070	ppbv	88
13) Ethanol	1.716	45	175	0.296	ppbv #	31
15) Acetone	1.832	43	1619	0.098	ppbv #	71
16) 1,3-Butadiene	1.599	39	341	0.046	ppbv #	11
19) Isopropyl Alcohol	1.887	45	883	0.090	ppbv #	32
20) Methylene Chloride	2.059	84	1007	0.154	ppbv	91
30) Cyclohexane	3.933	84	536	0.035	ppbv #	9
39) 1,2-Dichloropropane	3.952	63	95409	7.674	ppbv #	21

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

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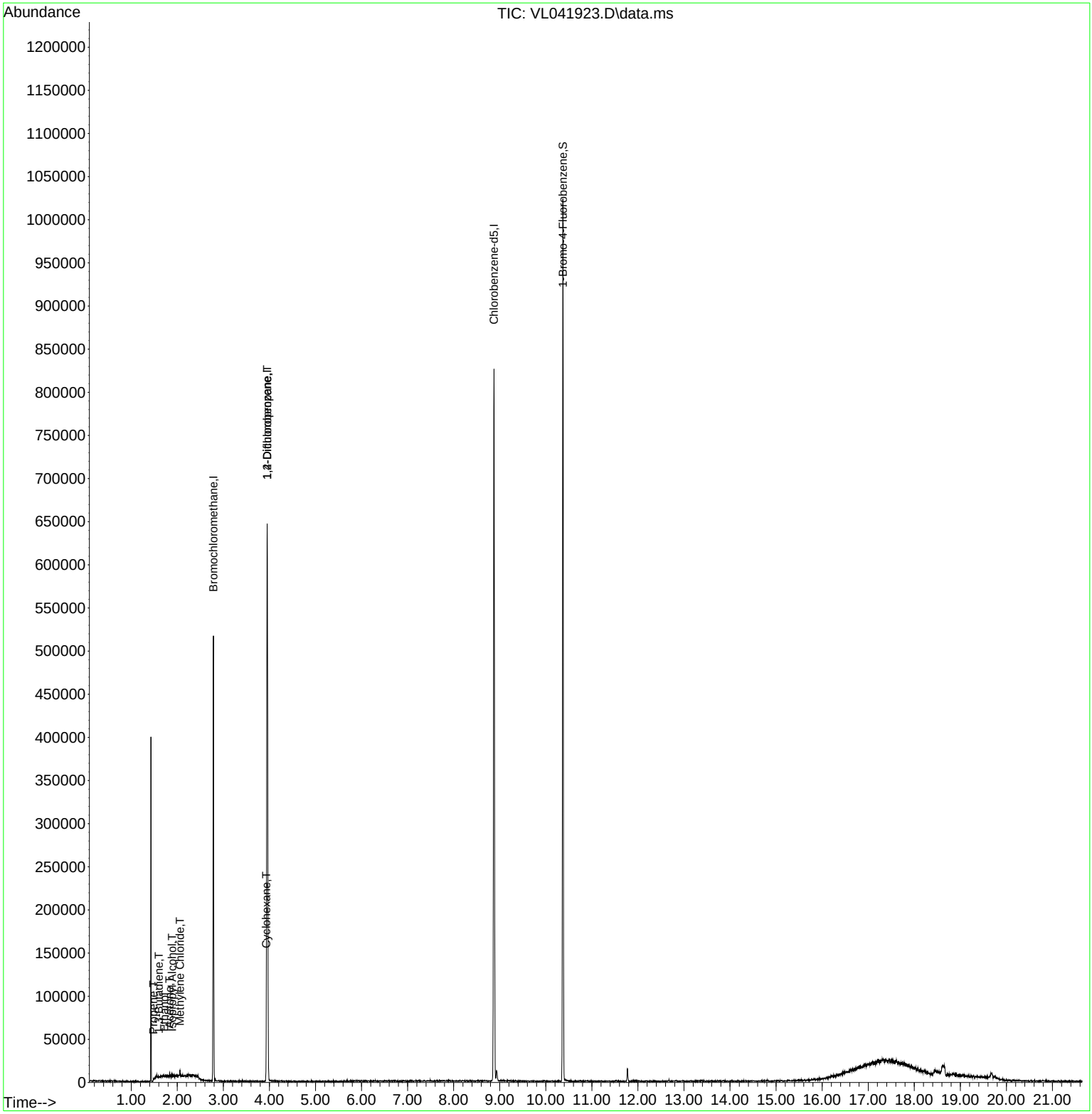
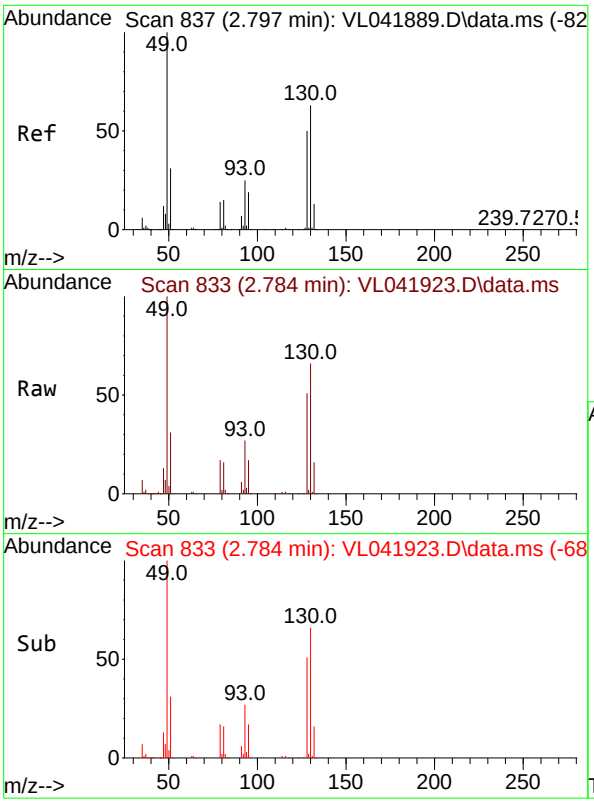


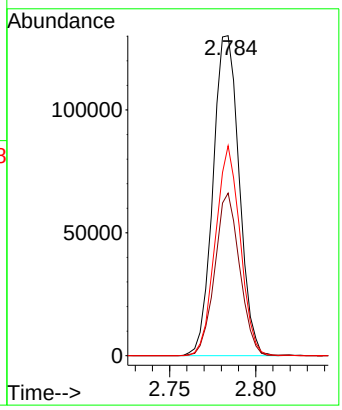


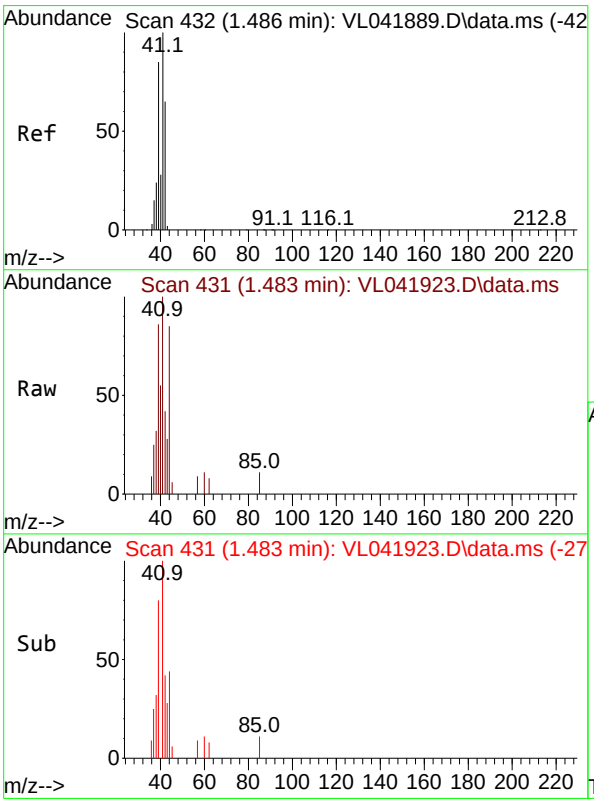
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.013 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 137449

Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.3	73.0
130	62.3	31.1	93.2

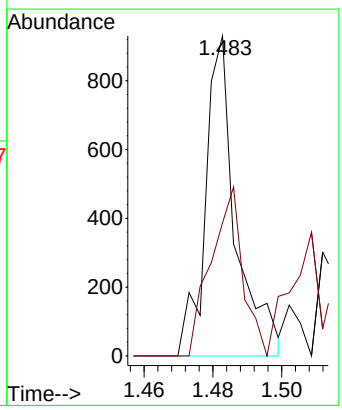


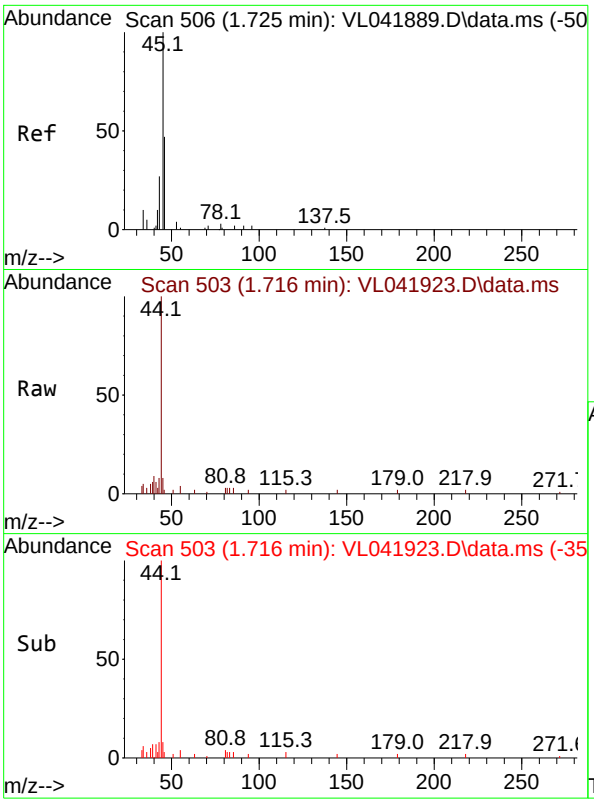


#9
Propene
Concen: 0.070 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Tgt Ion: 41 Resp: 569

Ion	Ratio	Lower	Upper
41	100		
42	55.4	52.0	78.0



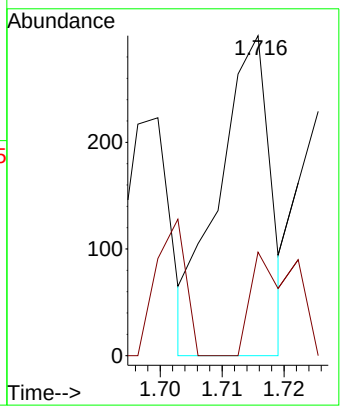


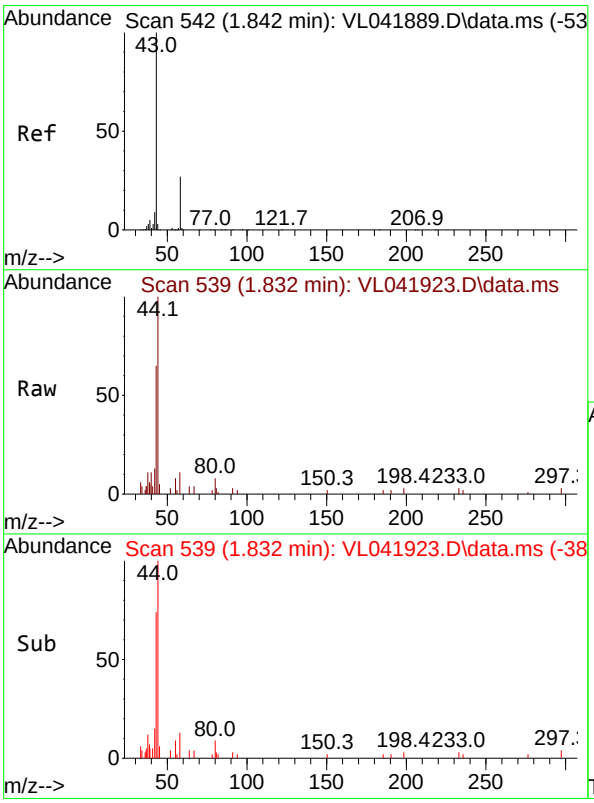
#13
Ethanol
Concen: 0.296 ppbv
RT: 1.716 min Scan# 5
Delta R.T. -0.010 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 175

Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.1	72.5#

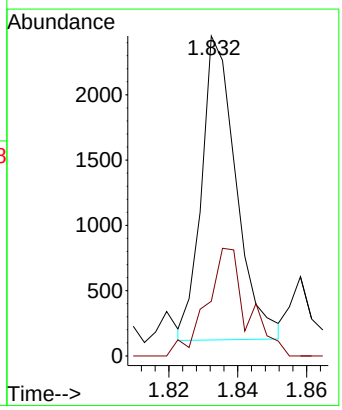


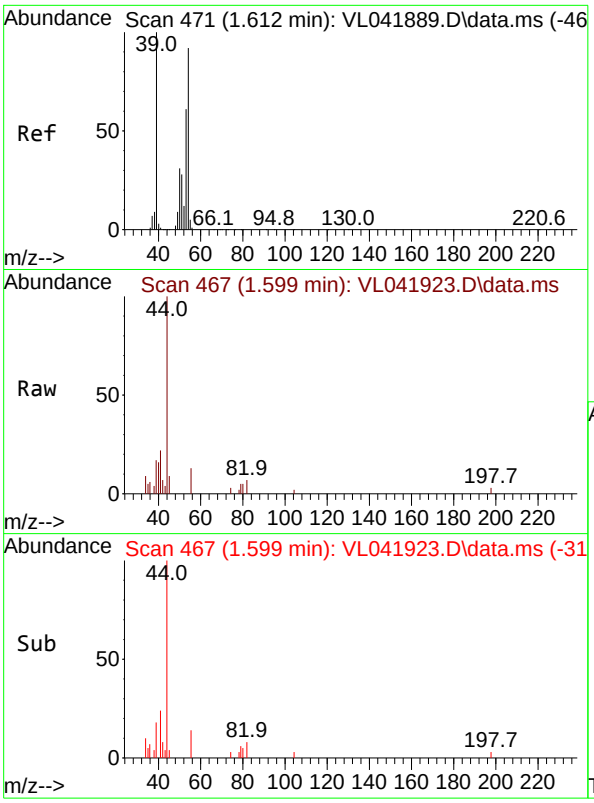


#15
Acetone
Concen: 0.098 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Tgt Ion: 43 Resp: 1619

Ion	Ratio	Lower	Upper
43	100		
58	42.4	21.9	32.9#



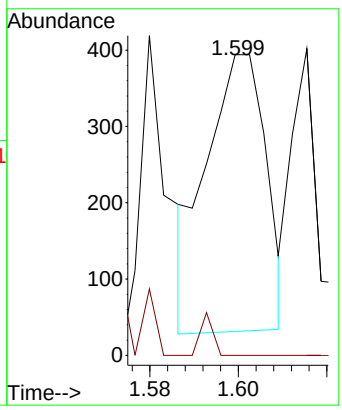


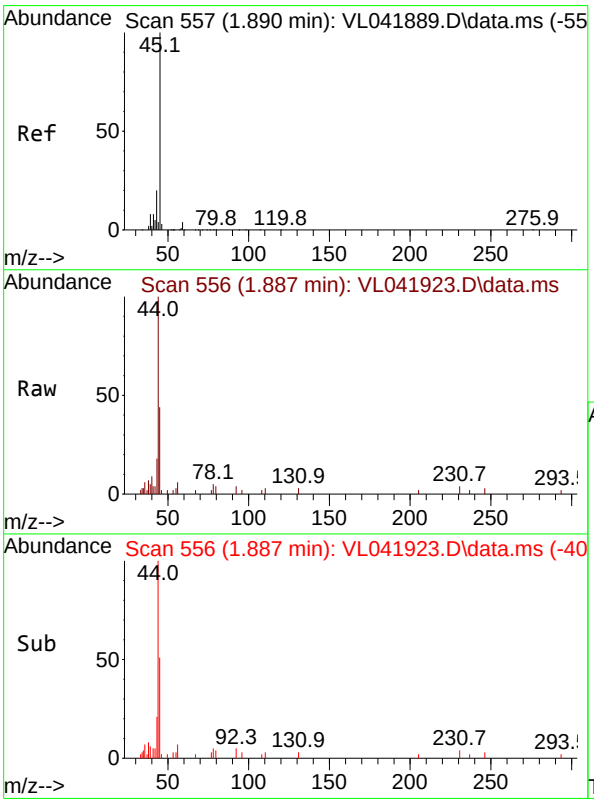
#16
1,3-Butadiene
Concen: 0.046 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 341

Ion	Ratio	Lower	Upper
39	100		
54	0.0	61.6	92.4#

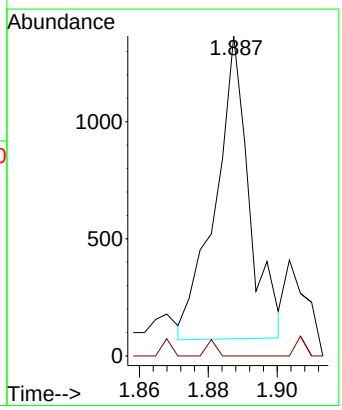


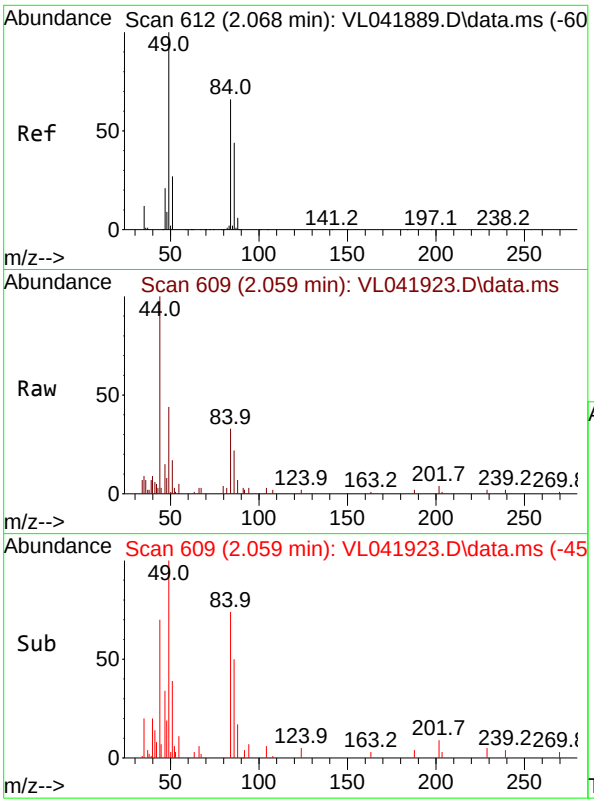


#19
Isopropyl Alcohol
Concen: 0.090 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.003 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Tgt Ion: 45 Resp: 883

Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.0	52.6#



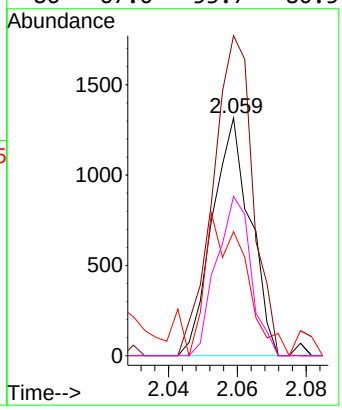


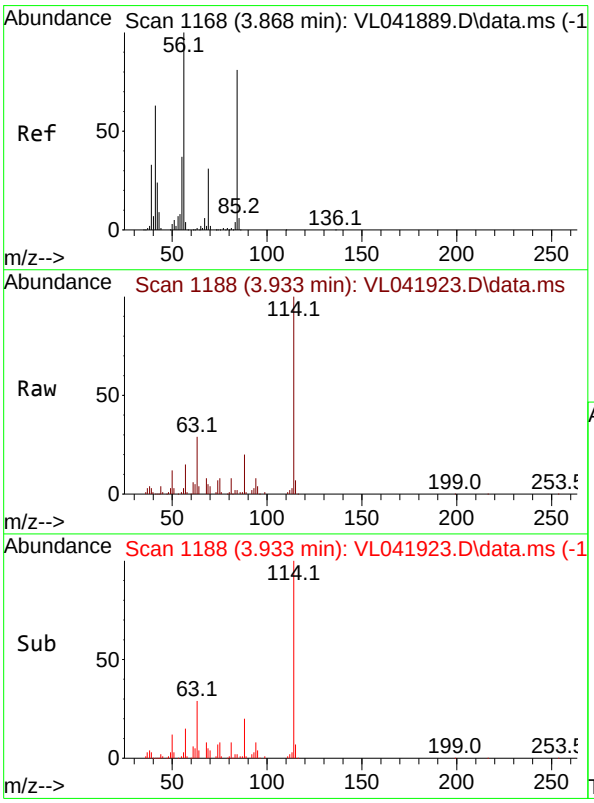
#20
Methylene Chloride
Concen: 0.154 ppbv
RT: 2.059 min Scan# 6
Delta R.T. -0.010 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 1007

Ion	Ratio	Lower	Upper
84	100		
49	134.5	123.1	184.7
51	42.8	35.8	53.8
86	67.0	53.7	80.5

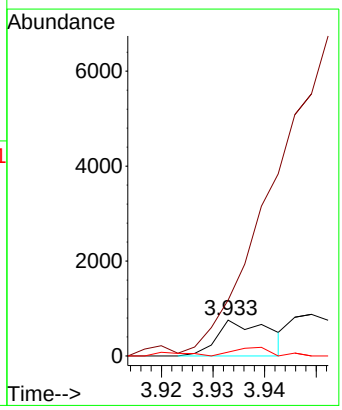


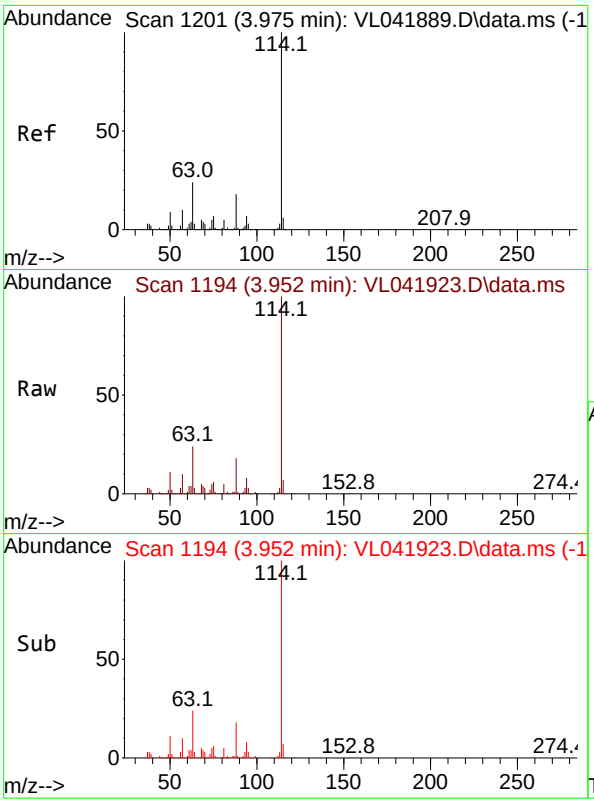


#30
Cyclohexane
Concen: 0.035 ppbv
RT: 3.933 min Scan# 1188
Delta R.T. 0.065 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Tgt Ion: 84 Resp: 536

Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.3	148.9#
41	24.3	64.3	96.5#



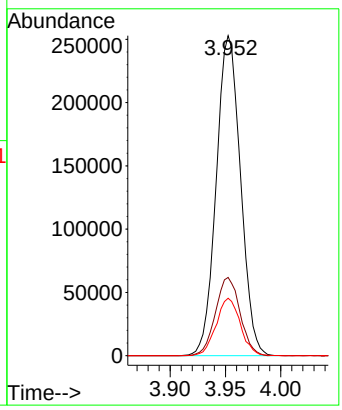


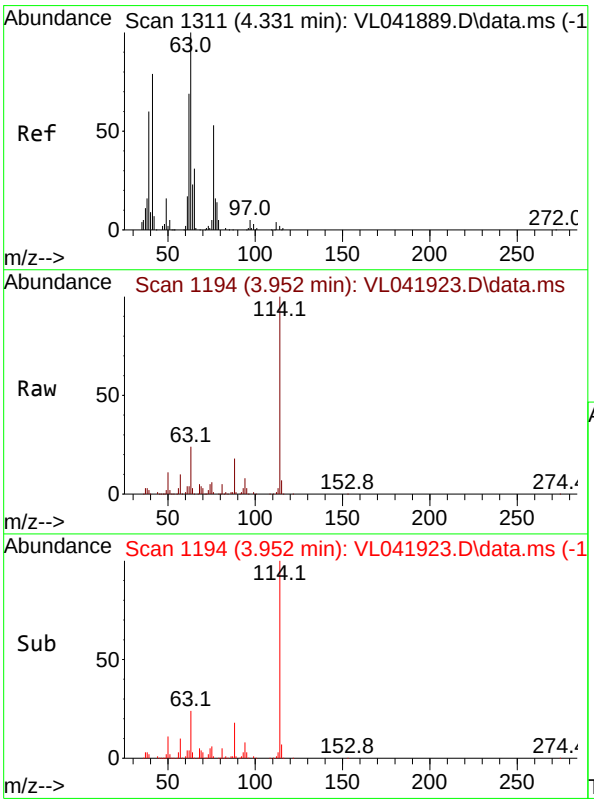
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 386440

Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.8	29.6
88	17.8	14.4	21.6

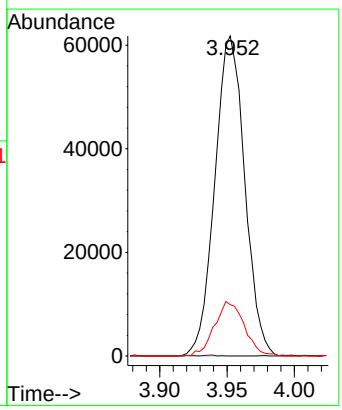


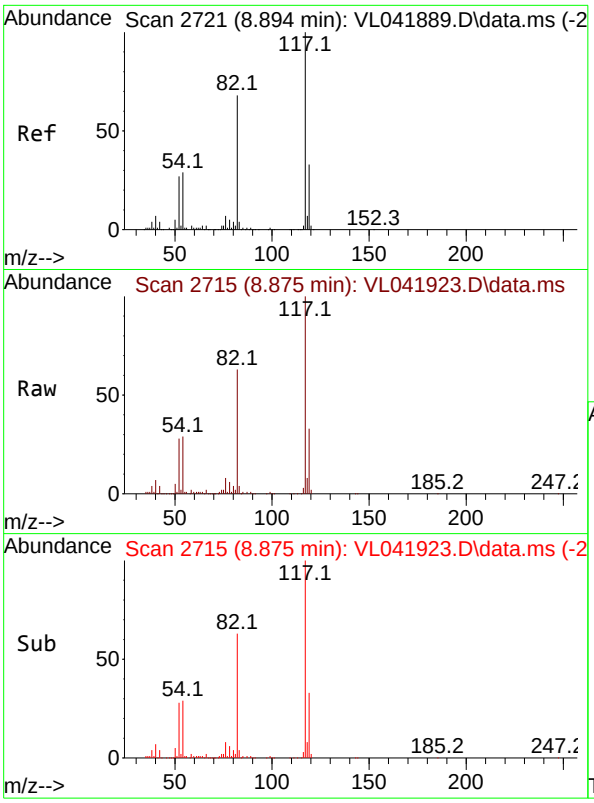


#39
1,2-Dichloropropane
Concen: 7.674 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.378 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Tgt Ion: 63 Resp: 95409

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.7	95.5#
62	16.1	55.4	83.2#



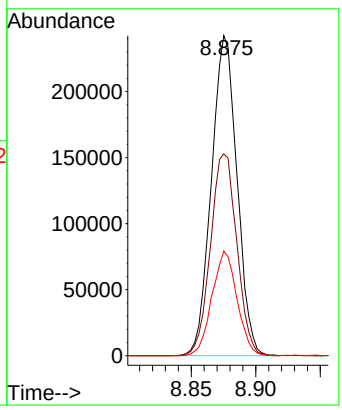


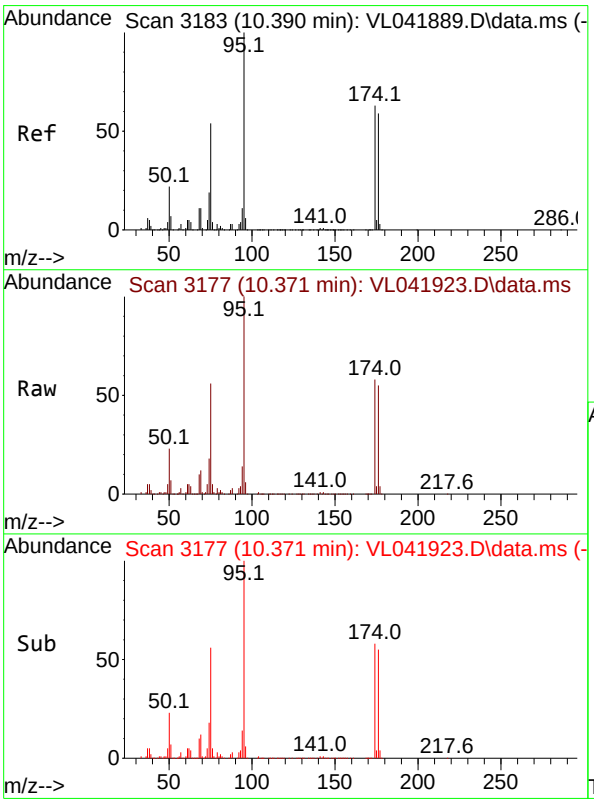
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 334022

Ion	Ratio	Lower	Upper
117	100		
82	64.9	54.2	81.4
119	32.0	25.0	37.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.870 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.019 min
Lab File: VL041923.D
Acq: 20 Jan 2025 16:43

Tgt Ion: 95 Resp: 259675

Ion	Ratio	Lower	Upper
95	100		
174	59.6	49.0	73.4
175	4.7	3.8	5.8