Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061725\
Data File : VL042644.D
Acq On : 17 Jun 2025 12:54
Operator : SY/MD
Sample : QC061625 CAN 23182
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Quant Time: Jun 18 04:24:19 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	2.787	49	101910	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	267290	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	230773	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	176418	10.198	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
13) Ethanol	1.887	45	418	0.505	ppbv	# 39
15) Acetone	1.839	43	3339	0.272	ppbv	96
16) 1,3-Butadiene	1.602	39	942	0.162	ppbv	# 19
17) tert-Butyl alcohol	2.046	59	1038	0.081	ppbv	98
19) Isopropyl Alcohol	1.887	45	418	0.057	ppbv	# 1
20) Methylene Chloride	2.062	84	1226	0.303	ppbv	# 89
30) Cyclohexane	3.952	84	567	0.045	ppbv	# 1
34) 2-Butanone	2.564	43	1059	0.056	ppbv	100
39) 1,2-Dichloropropane	3.959	63	67451	6.930	ppbv	# 23
80) Naphthalene,2-methyl-	14.461	142	500	0.033	ppbv	# 90

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

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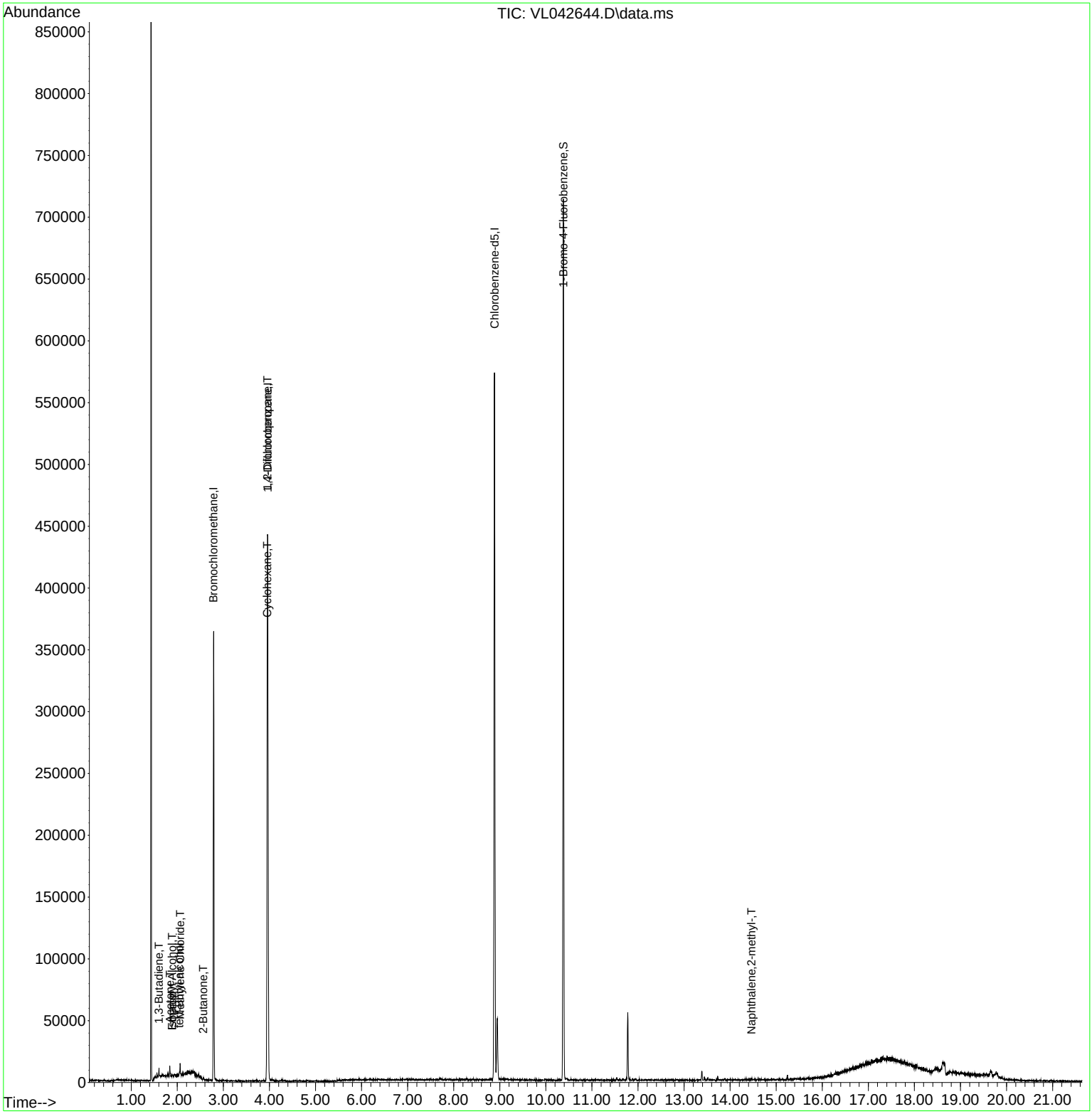
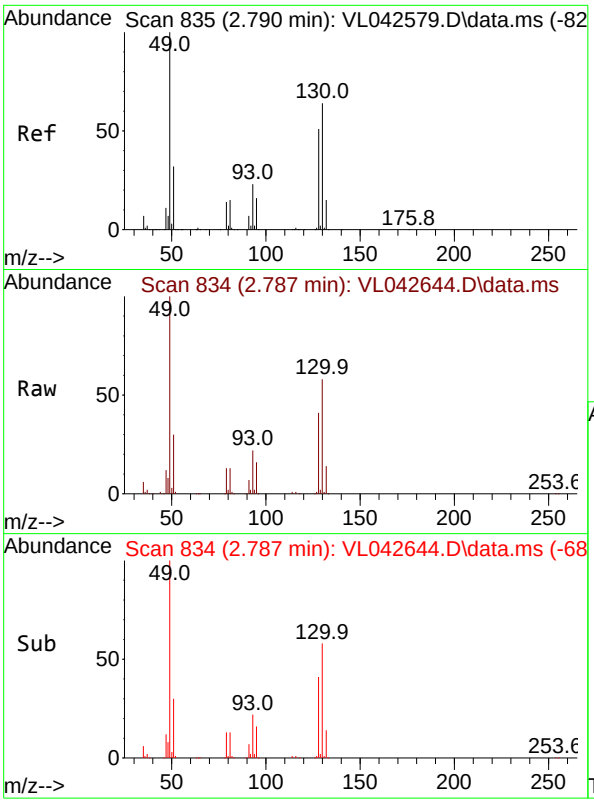


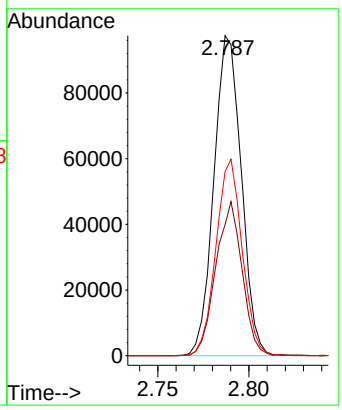


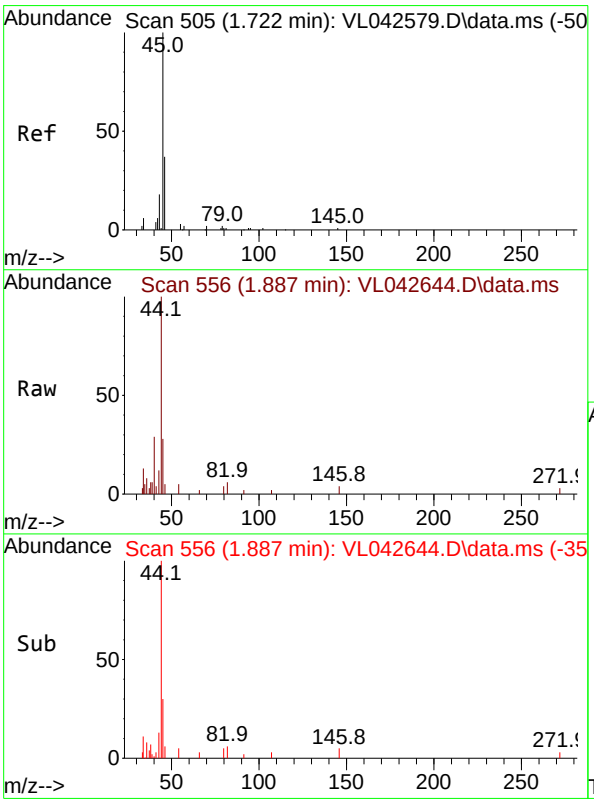
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion: 49 Resp: 101910

Ion	Ratio	Lower	Upper
49	100		
128	46.3	24.2	72.6
130	58.9	30.4	91.2

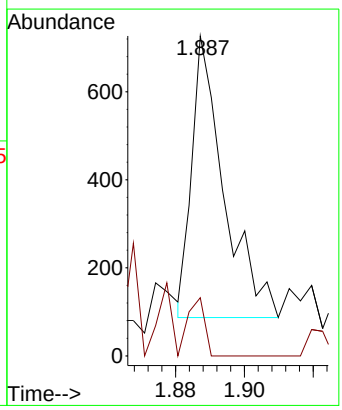


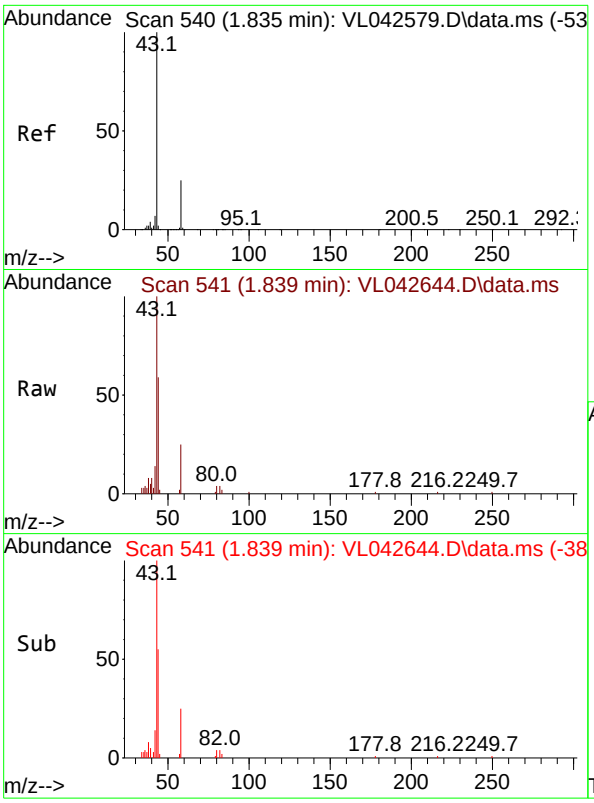


#13
Ethanol
Concen: 0.505 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.165 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion: 45 Resp: 418

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.5	58.1#



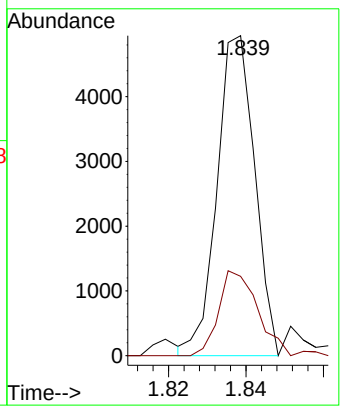


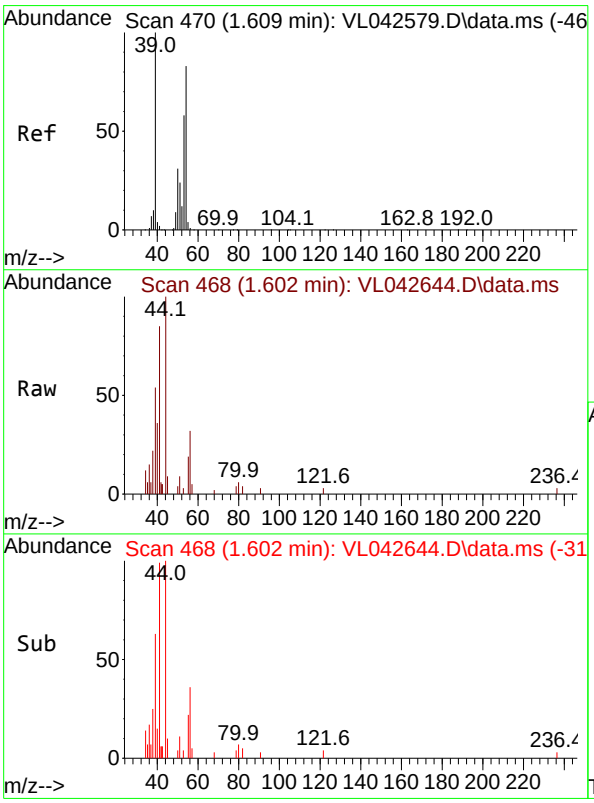
#15
Acetone
Concen: 0.272 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion: 43 Resp: 3339

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.0	31.4

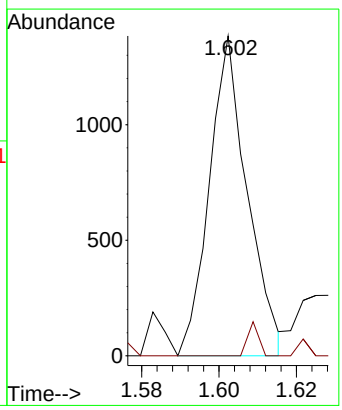


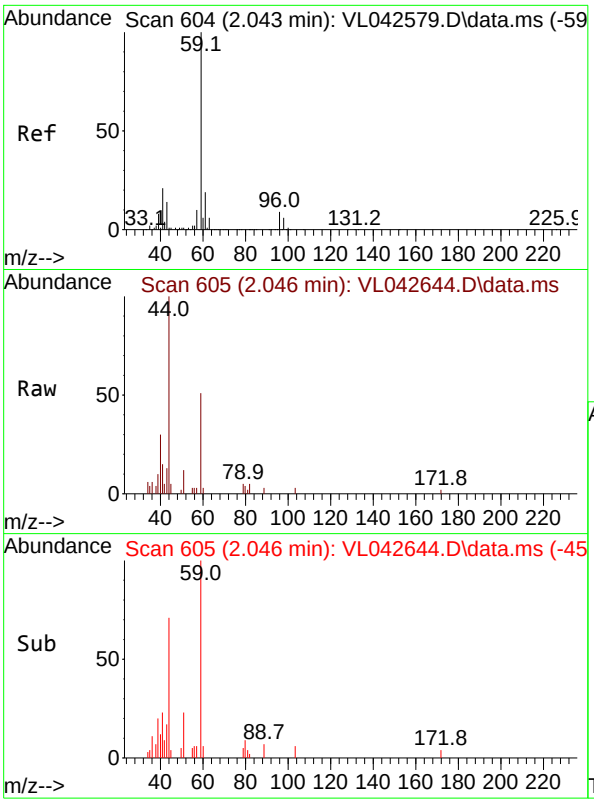


#16
1,3-Butadiene
Concen: 0.162 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.007 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion: 39 Resp: 942

Ion	Ratio	Lower	Upper
39	100		
54	4.6	57.9	86.9#



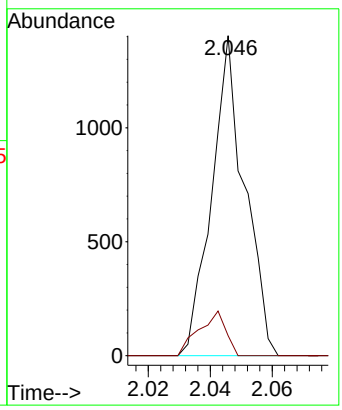


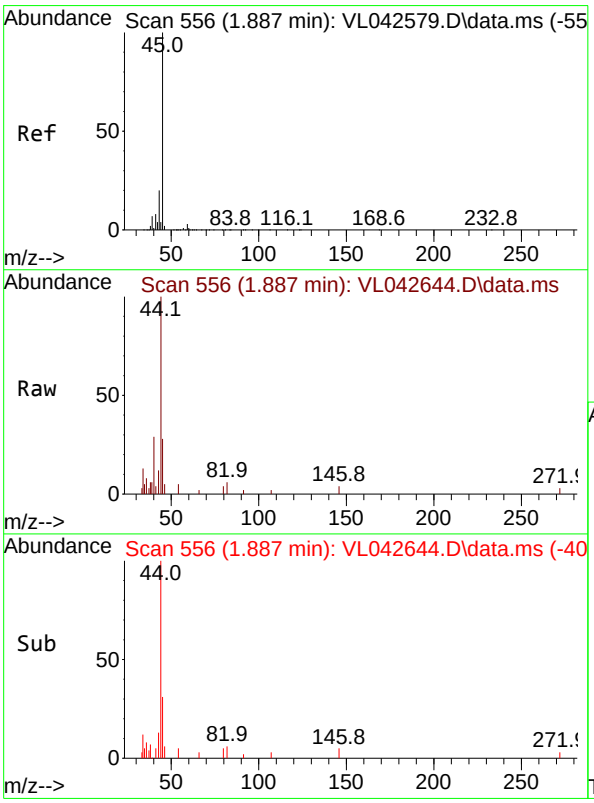
#17
tert-Butyl alcohol
Concen: 0.081 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion: 59 Resp: 1038

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8

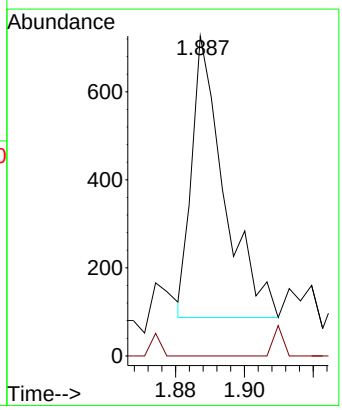


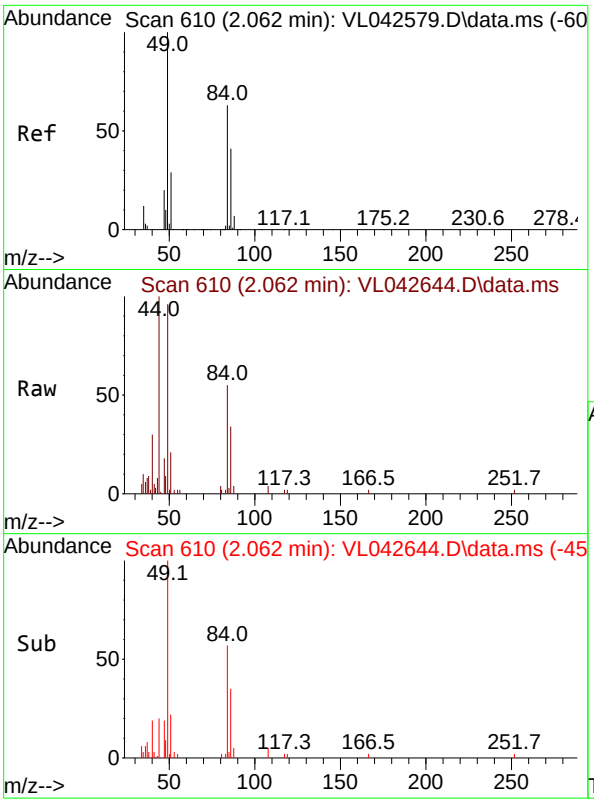


#19
Isopropyl Alcohol
Concen: 0.057 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion: 45 Resp: 418

Ion	Ratio	Lower	Upper
45	100		
58	224.2	29.4	44.2#



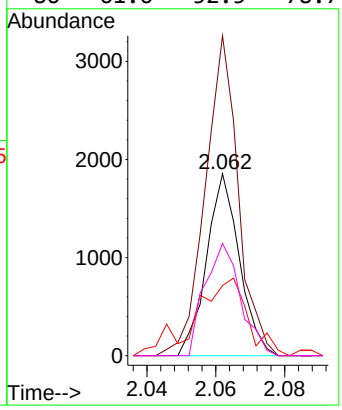


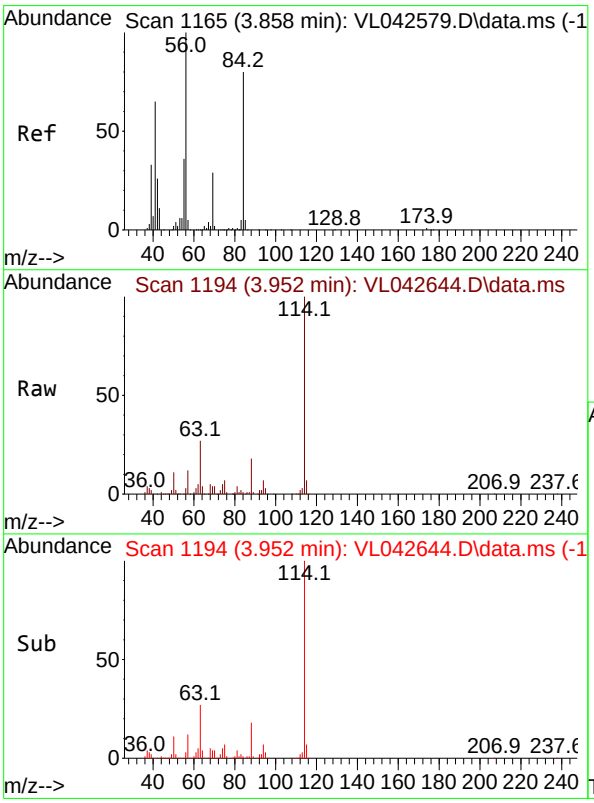
#20
Methylene Chloride
Concen: 0.303 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion: 84 Resp: 1226

Ion	Ratio	Lower	Upper
84	100		
49	175.8	128.8	193.2
51	35.5	38.6	57.8#
86	61.6	52.5	78.7

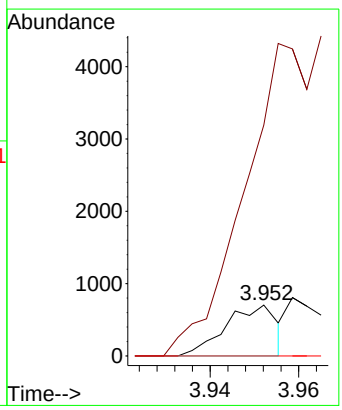


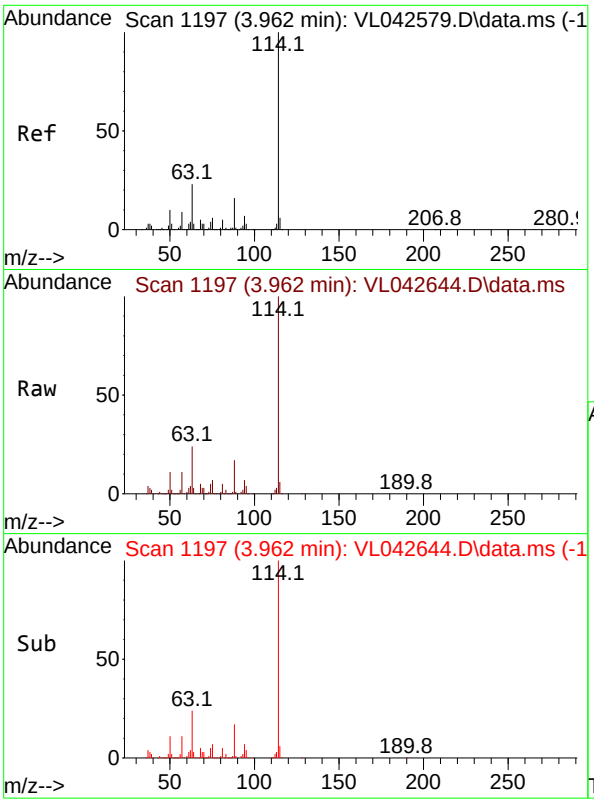


#30
Cyclohexane
Concen: 0.045 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.094 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion: 84 Resp: 567

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



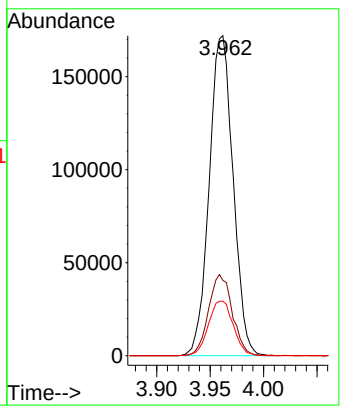


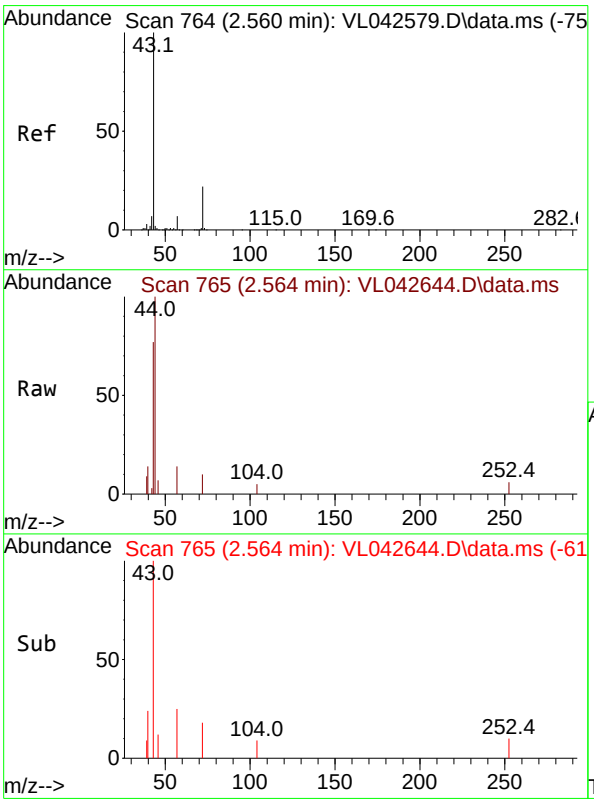
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion:114 Resp: 267290

Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.0	28.6
88	17.7	13.6	20.4

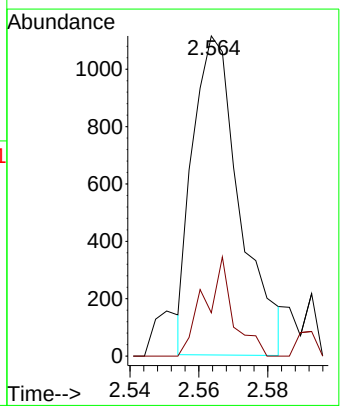


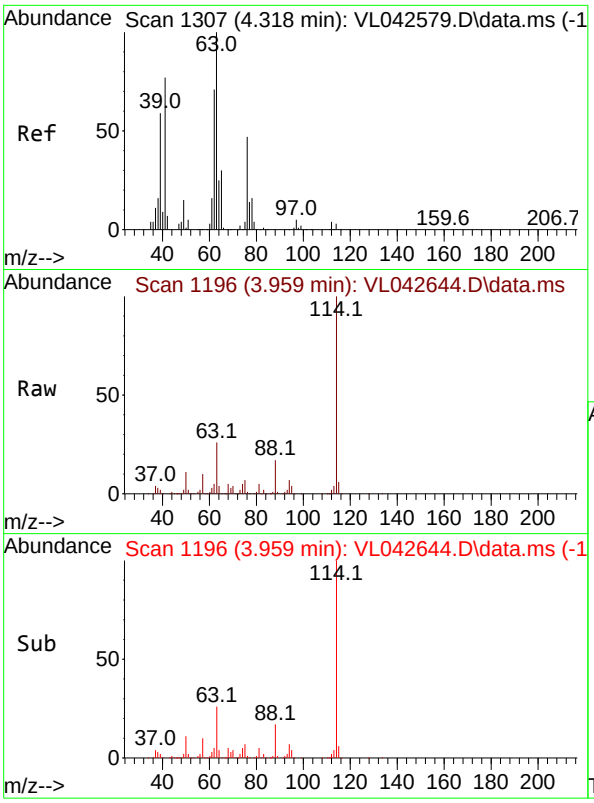


#34
2-Butanone
Concen: 0.056 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion: 43 Resp: 1059

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5



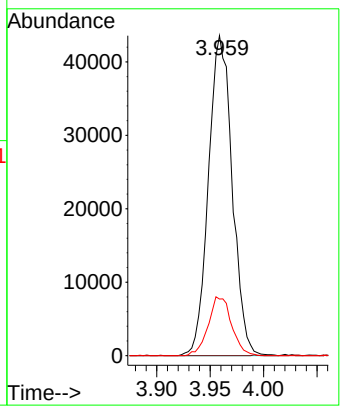


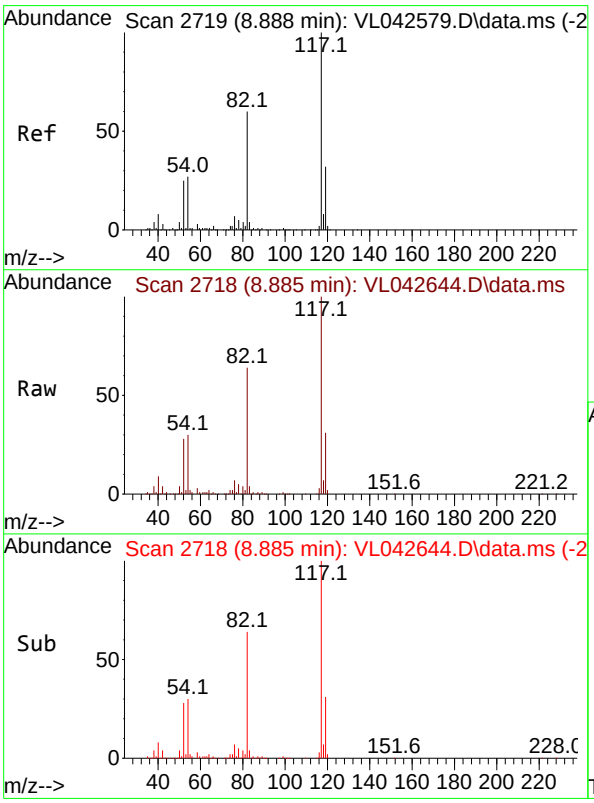
#39
1,2-Dichloropropane
Concen: 6.930 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.359 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion: 63 Resp: 67451

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.8	92.6#
62	17.7	56.6	85.0#

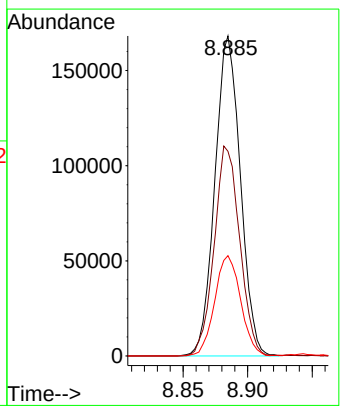


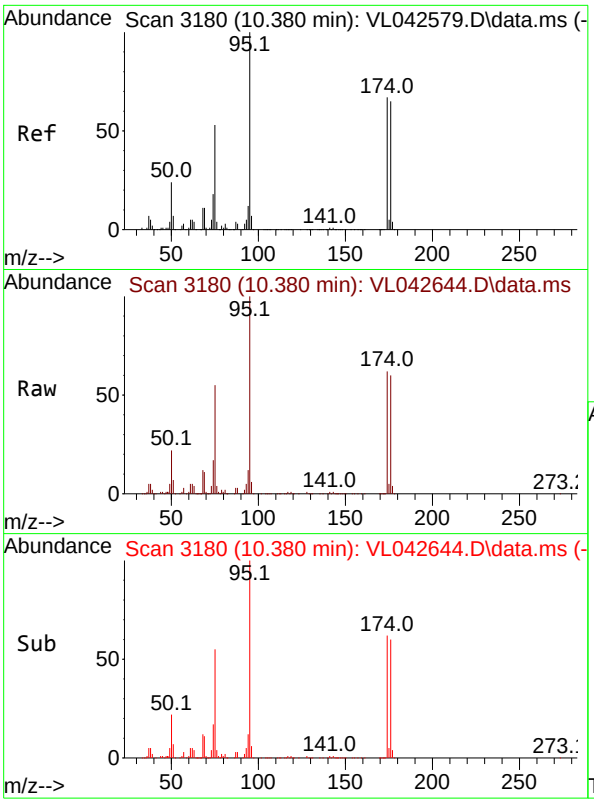


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion:117 Resp: 230773

Ion	Ratio	Lower	Upper
117	100		
82	66.1	51.2	76.8
119	32.1	26.3	39.5



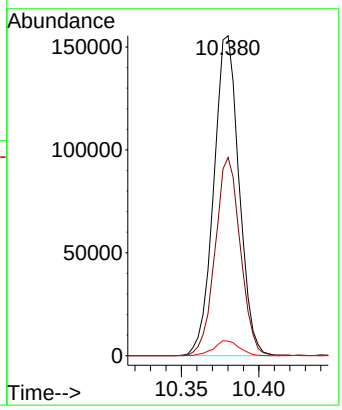


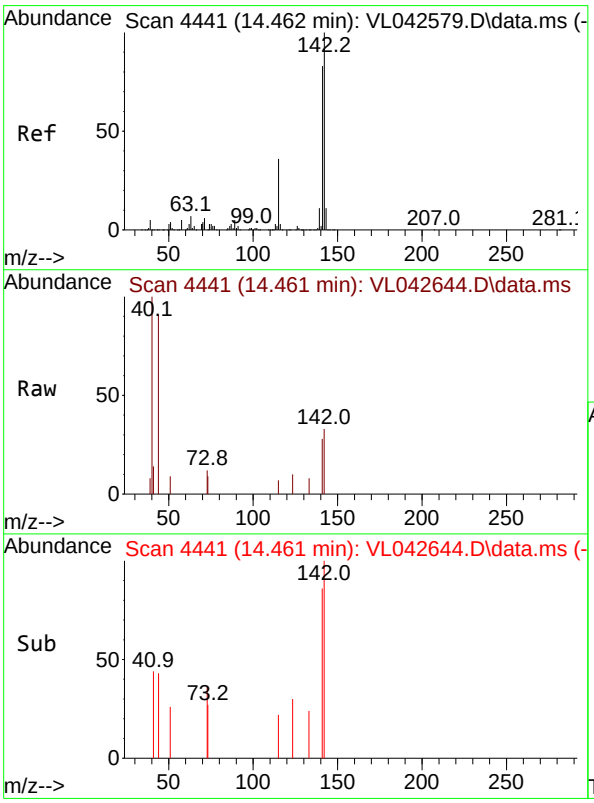
#68
1-Bromo-4-Fluorobenzene
Concen: 10.198 ppbv
RT: 10.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC061625 CAN 23182

Tgt Ion: 95 Resp: 176418

Ion	Ratio	Lower	Upper
95	100		
174	61.8	53.1	79.7
175	4.7	4.2	6.2





#80
Naphthalene,2-methyl-
Concen: 0.033 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042644.D
Acq: 17 Jun 2025 12:54

Tgt Ion:142 Resp: 500

Ion	Ratio	Lower	Upper
142	100		
141	77.8	66.2	99.4
115	47.6	28.3	42.5#