Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042307.D
Acq On : 10 Apr 2025 14:20
Operator : SY/MD
Sample : QC040925 CAN 10604
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Quant Time: Apr 11 01:58:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	167662	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	409947	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	345392	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	261215	9.209	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.100%				
Target Compounds							Qvalue
13) Ethanol	1.719	45	813	0.742	ppbv		77
15) Acetone	1.832	43	5204	0.222	ppbv		93
16) 1,3-Butadiene	1.596	39	777	0.068	ppbv	#	26
19) Isopropyl Alcohol	1.884	45	620	0.047	ppbv	#	1
20) Methylene Chloride	2.056	84	1774	0.203	ppbv	#	91
39) 1,2-Dichloropropane	3.949	63	104701	7.074	ppbv	#	22
74) 1,2,4-Trimethylbenzene	11.529	105	2094	0.034	ppbv	#	66

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

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QC040925 CAN 10604

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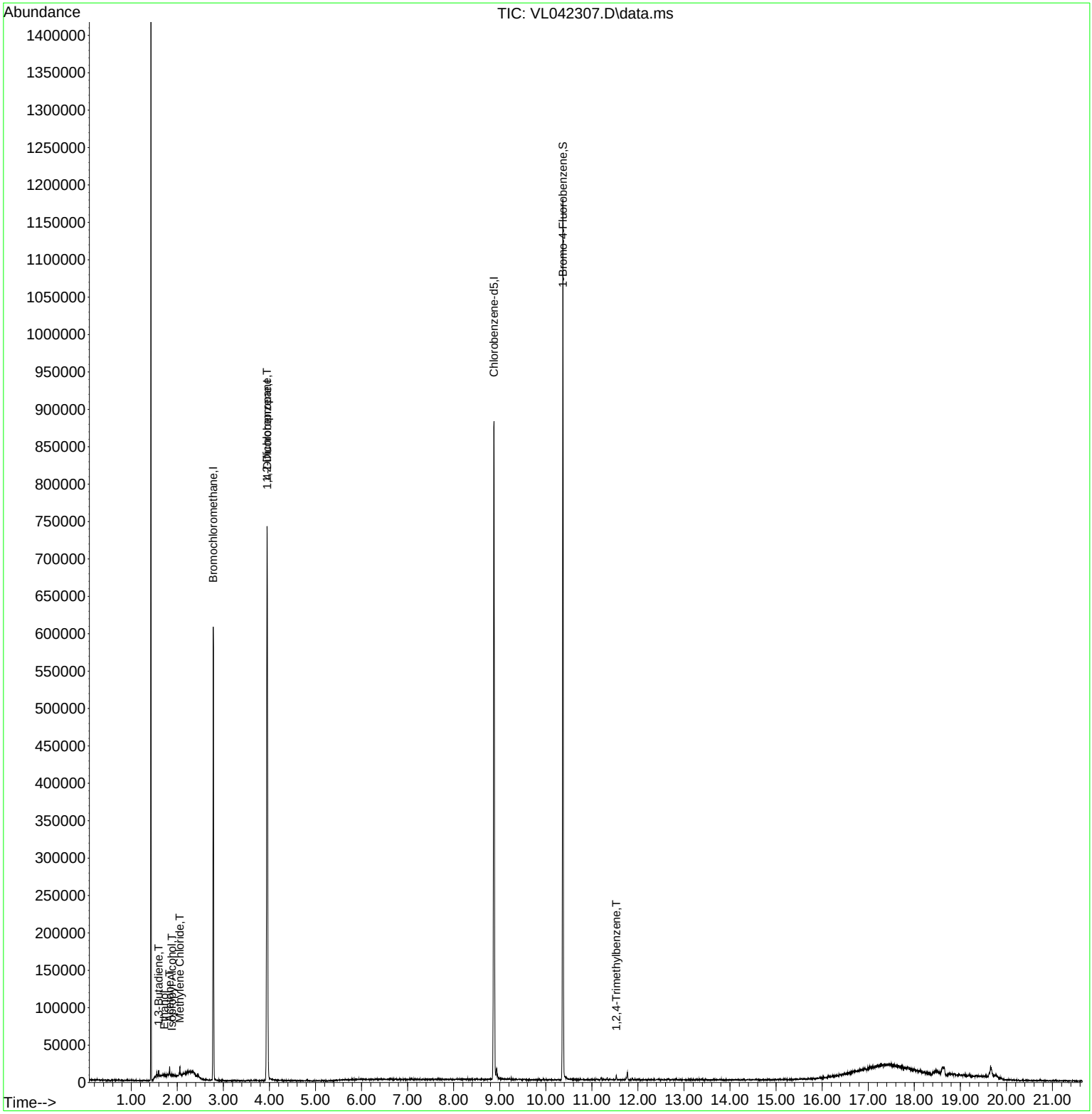
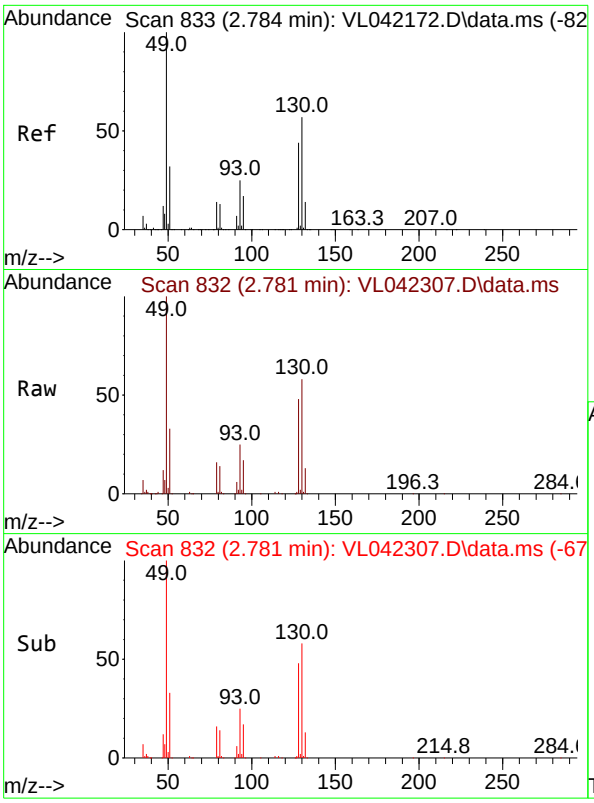
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



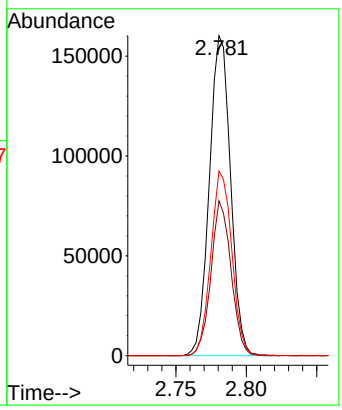


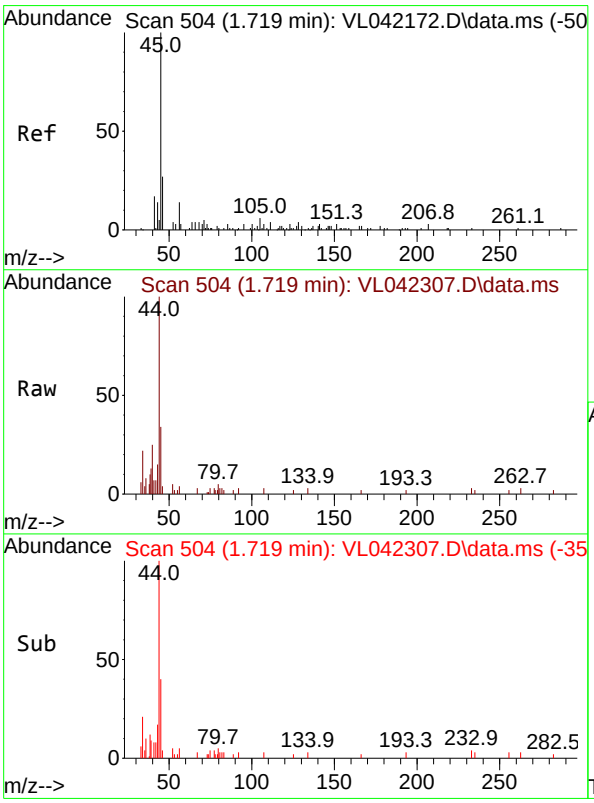
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Tgt Ion: 49 Resp: 167662

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.9	68.5
130	57.4	28.8	86.4

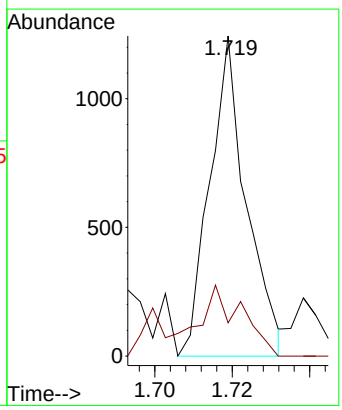


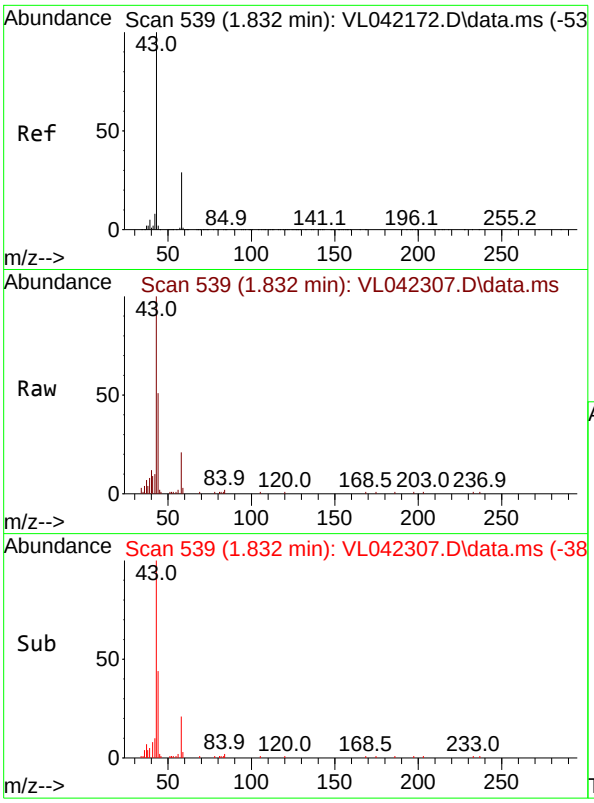


#13
Ethanol
Concen: 0.742 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Tgt Ion: 45 Resp: 813

Ion	Ratio	Lower	Upper
45	100		
46	34.8	20.2	80.8



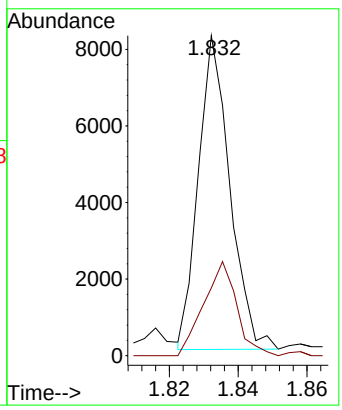


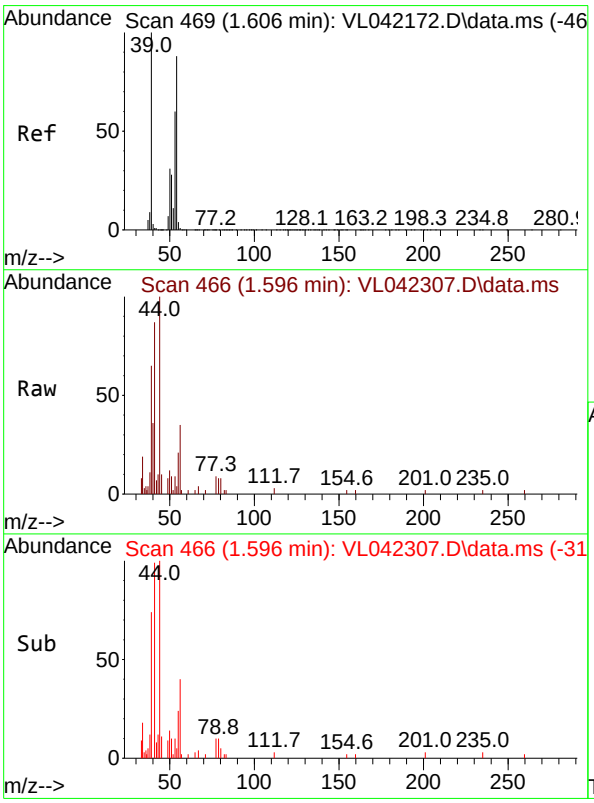
#15
Acetone
Concen: 0.222 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Tgt Ion: 43 Resp: 5204

Ion	Ratio	Lower	Upper
43	100		
58	32.6	23.2	34.8

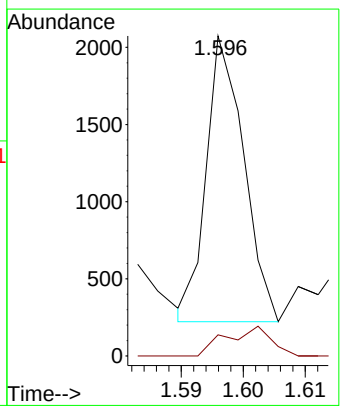


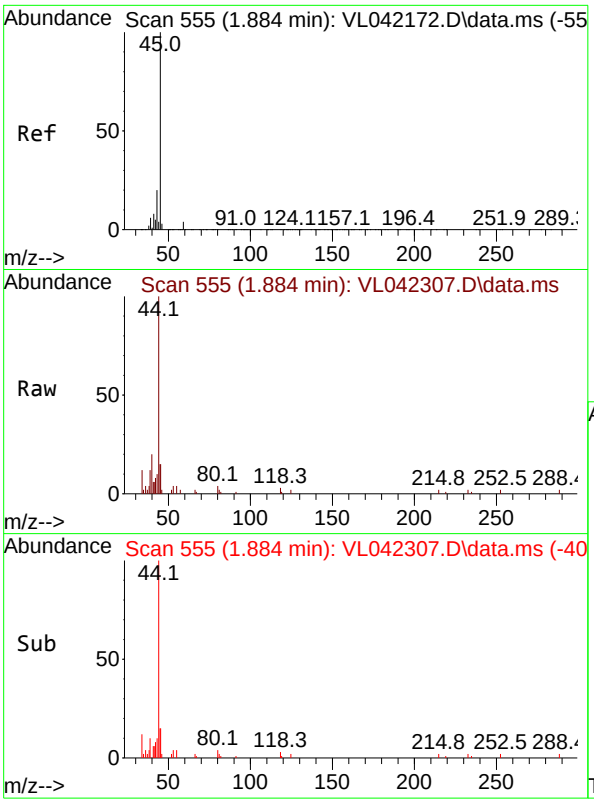


#16
1,3-Butadiene
Concen: 0.068 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.010 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Tgt Ion: 39 Resp: 777

Ion	Ratio	Lower	Upper
39	100		
54	12.4	60.7	91.1#



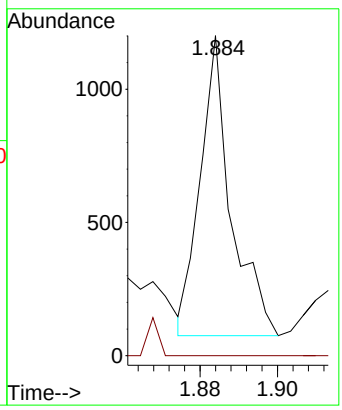


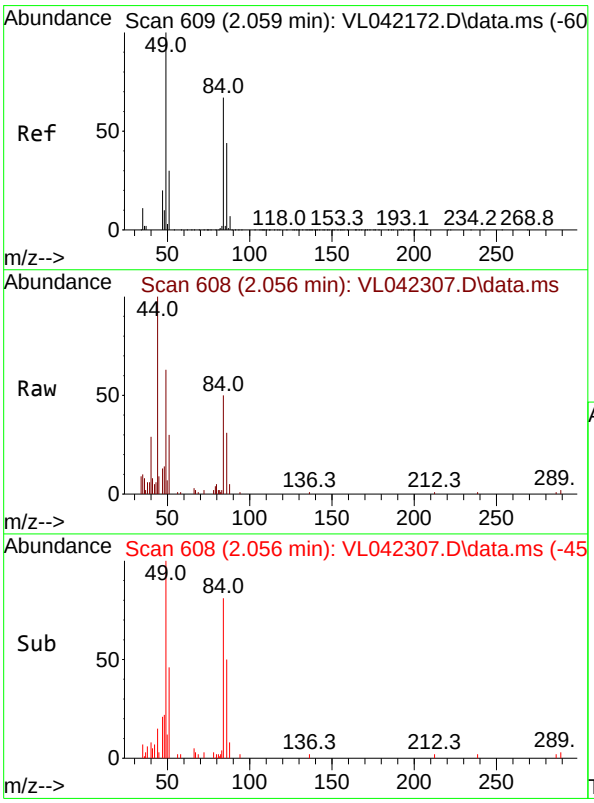
#19
Isopropyl Alcohol
Concen: 0.047 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Tgt Ion: 45 Resp: 620

Ion	Ratio	Lower	Upper
45	100		
58	286.1	36.9	55.3#

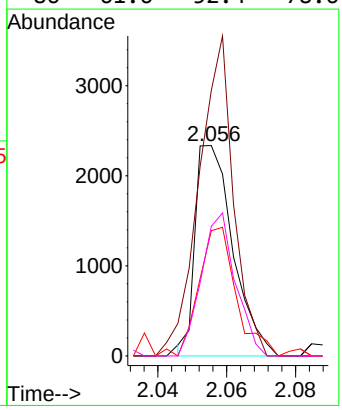


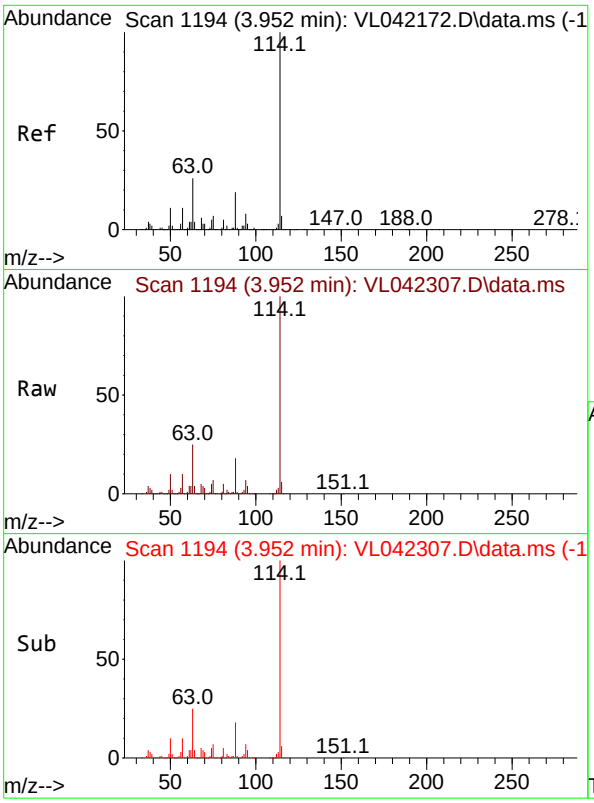


#20
Methylene Chloride
Concen: 0.203 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Tgt Ion: 84 Resp: 1774

Ion	Ratio	Lower	Upper
84	100		
49	140.6	120.2	180.4
51	59.5	37.4	56.0#
86	61.6	52.4	78.6



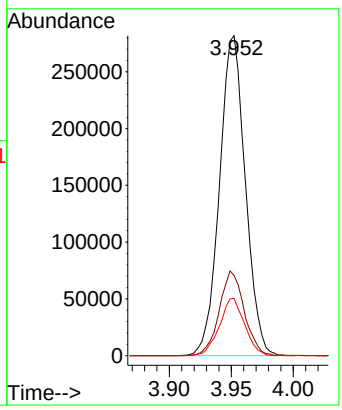


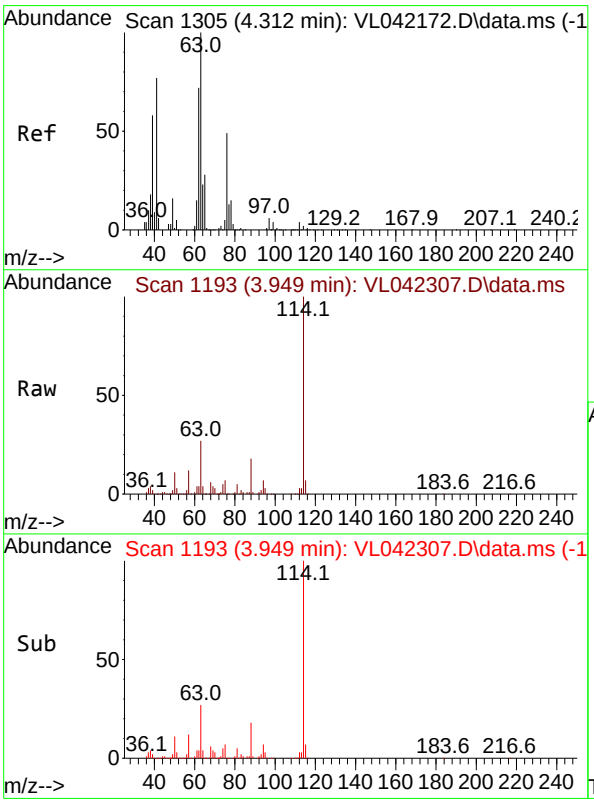
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Tgt Ion:114 Resp: 409947

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	17.5	15.0	22.4

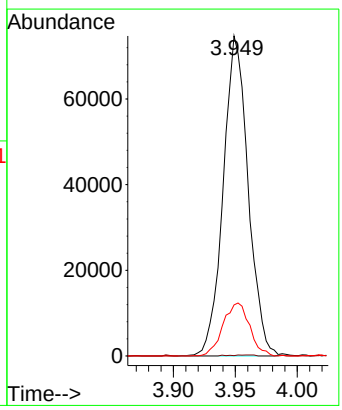


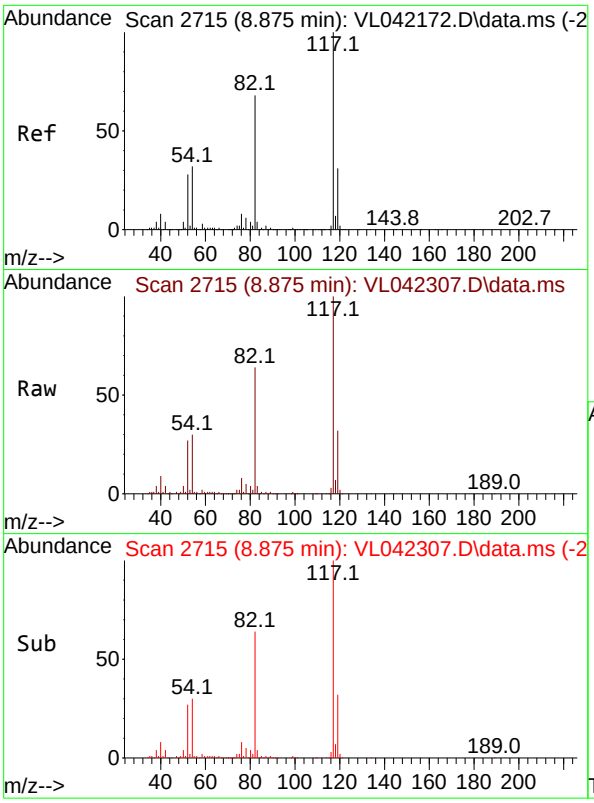


#39
1,2-Dichloropropane
Concen: 7.074 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.363 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Tgt Ion: 63 Resp: 104701

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.7	92.5#
62	15.9	57.6	86.4#



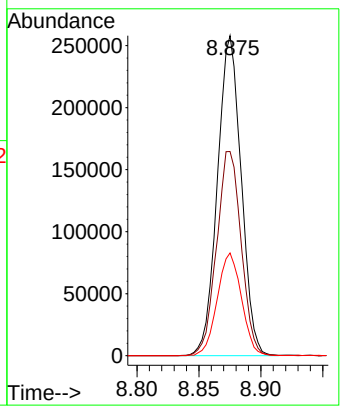


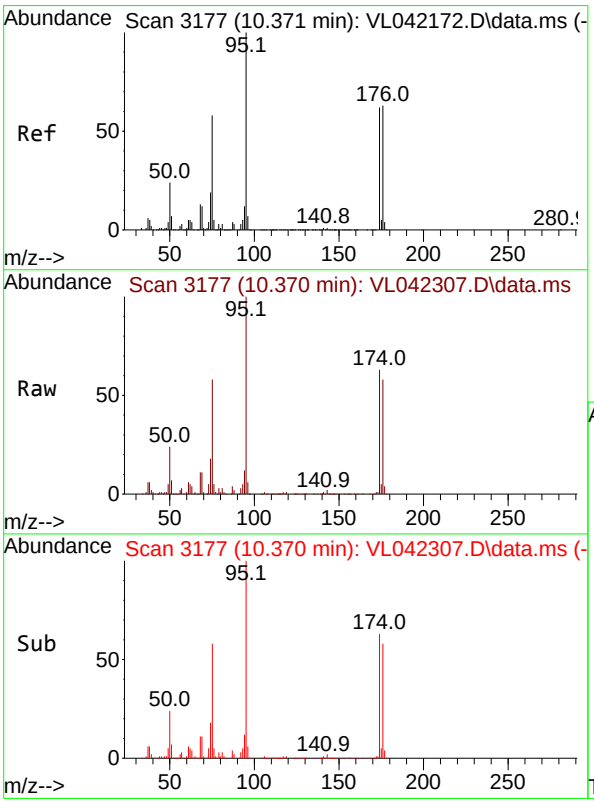
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Tgt Ion:117 Resp: 345392

Ion	Ratio	Lower	Upper
117	100		
82	66.0	55.8	83.6
119	32.7	25.5	38.3

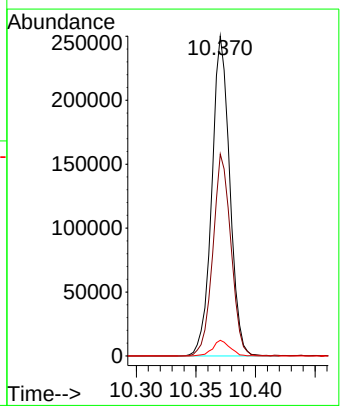


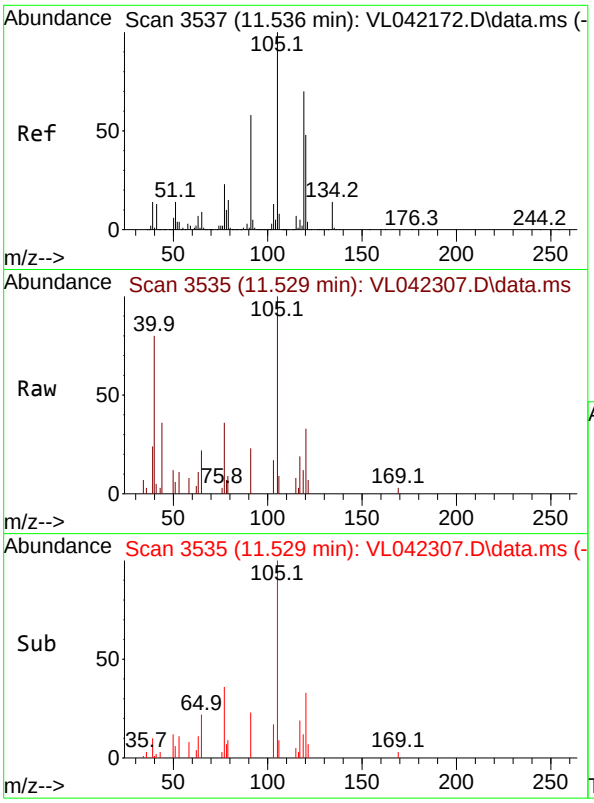


#68
1-Bromo-4-Fluorobenzene
Concen: 9.209 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.000 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Tgt Ion: 95 Resp: 261215

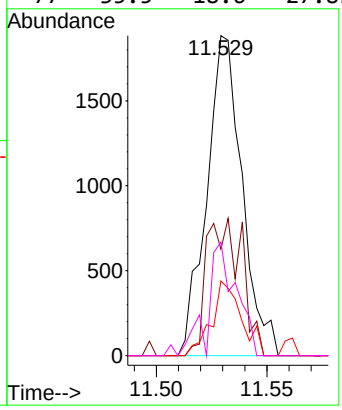
Ion	Ratio	Lower	Upper
95	100		
174	63.9	50.6	76.0
175	4.8	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.034 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042307.D
Acq: 10 Apr 2025 14:20

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Tgt Ion:105 Resp: 2094

Ion	Ratio	Lower	Upper
105	100		
120	33.3	38.6	58.0#
91	23.4	46.2	69.2#
77	35.5	18.6	27.8#