Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042218.D
Acq On : 04 Apr 2025 10:44
Operator : SY/MD
Sample : QC040325 CAN 10401
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Quant Time: Apr 05 02:00:27 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	2.787	49	182567	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	493389	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	442652	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	346407	9.529	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.300%			
Target Compounds						Qvalue
9) Propene	1.486	41	436	0.035	ppbv #	1
13) Ethanol	1.719	45	220	0.184	ppbv	85
15) Acetone	1.838	43	4323	0.169	ppbv	93
16) 1,3-Butadiene	1.602	39	390	0.031	ppbv #	11
20) Methylene Chloride	2.065	84	1243	0.131	ppbv #	76
23) Vinyl Acetate	2.457	43	401	0.036	ppbv #	33
34) 2-Butanone	2.567	43	1414	0.040	ppbv #	88
39) 1,2-Dichloropropane	3.958	63	128697	7.225	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.539	105	4550	0.058	ppbv #	64

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

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Quant Time: Apr 05 02:00:27 2025
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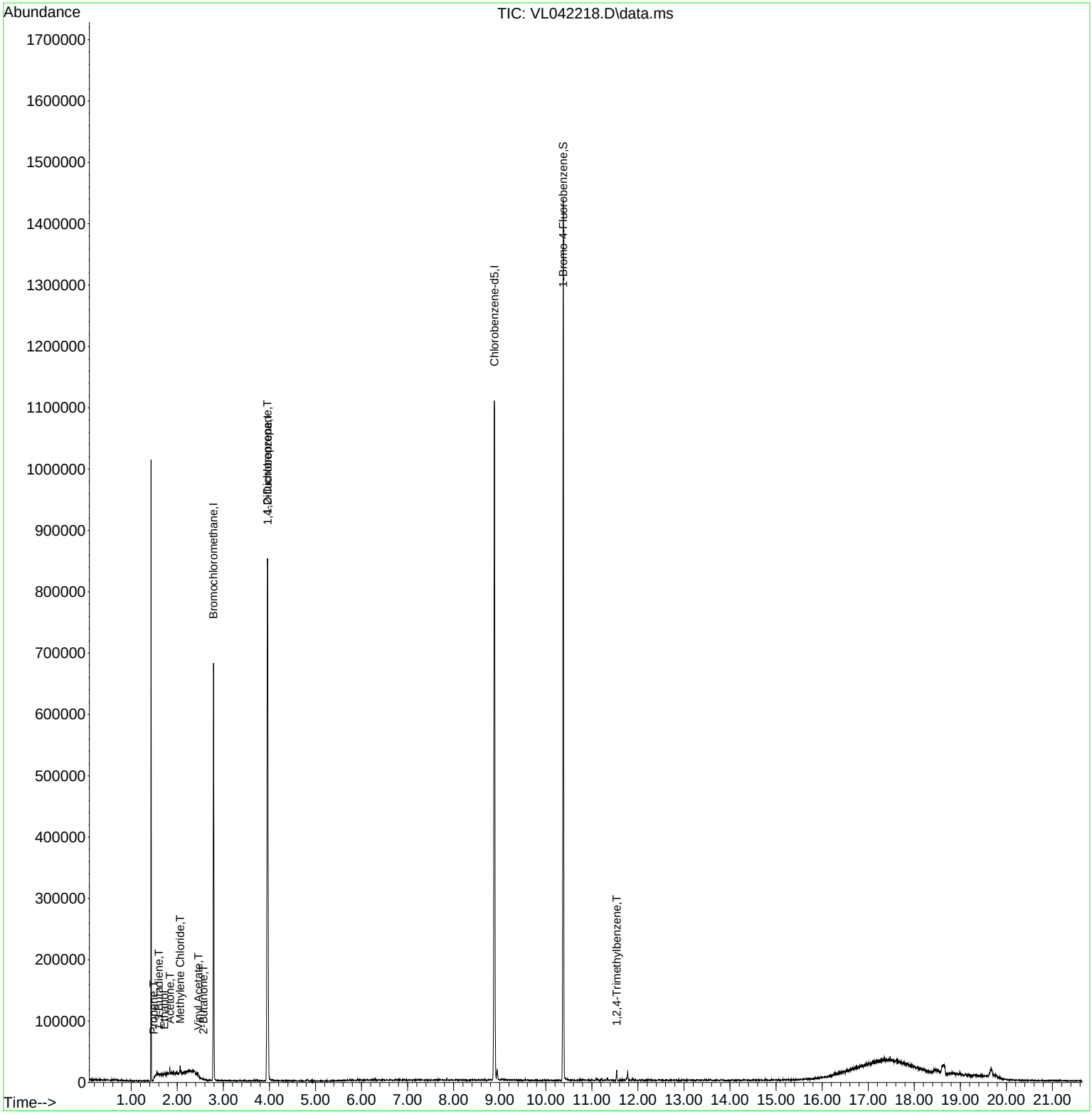
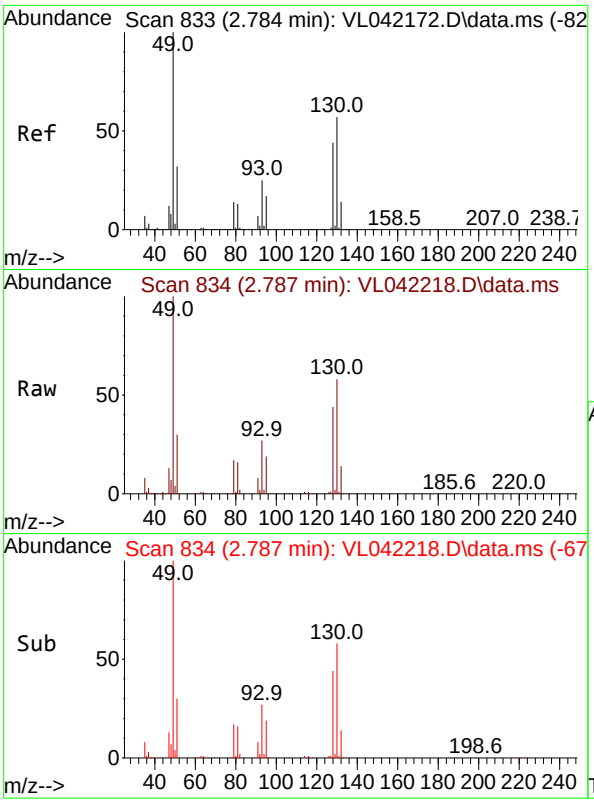


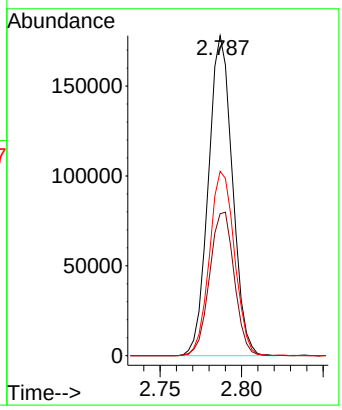


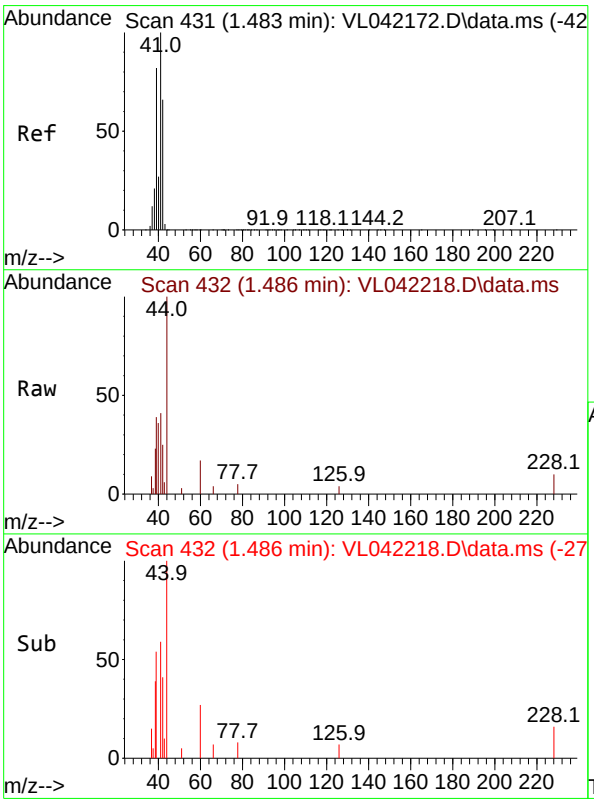
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion: 49 Resp: 182567

Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.5
130	60.0	28.8	86.4

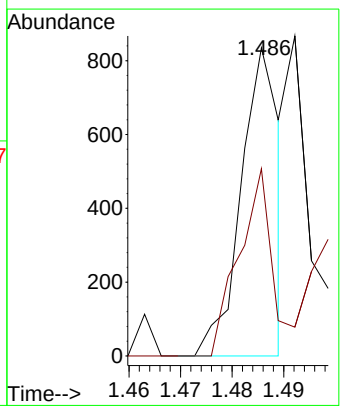


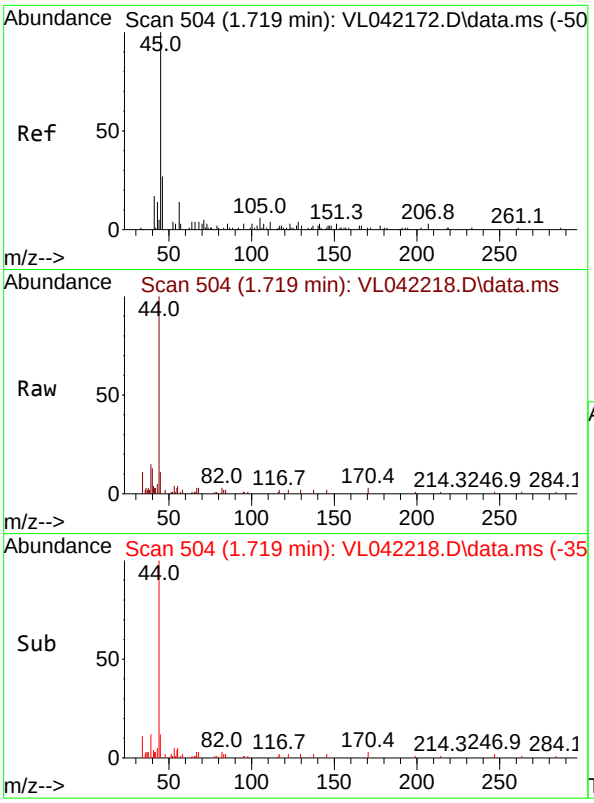


#9
Propene
Concen: 0.035 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Tgt Ion: 41 Resp: 436

Ion	Ratio	Lower	Upper
41	100		
42	162.6	55.4	83.2#



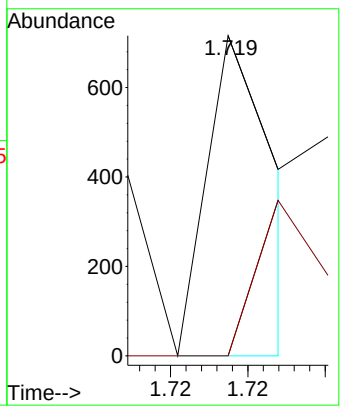


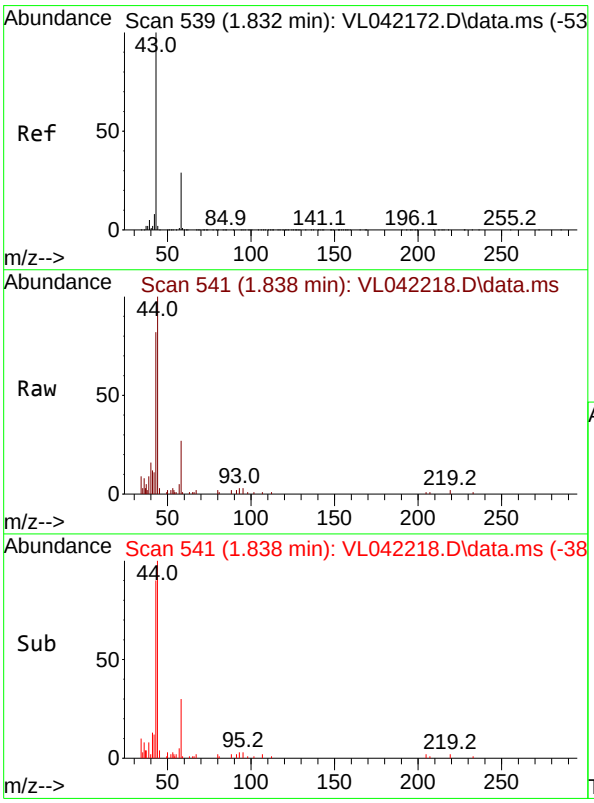
#13
Ethanol
Concen: 0.184 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion: 45 Resp: 220

Ion	Ratio	Lower	Upper
45	100		
46	60.9	20.2	80.8

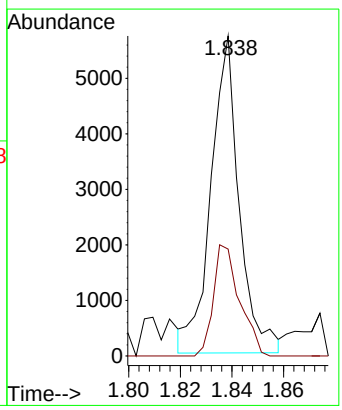


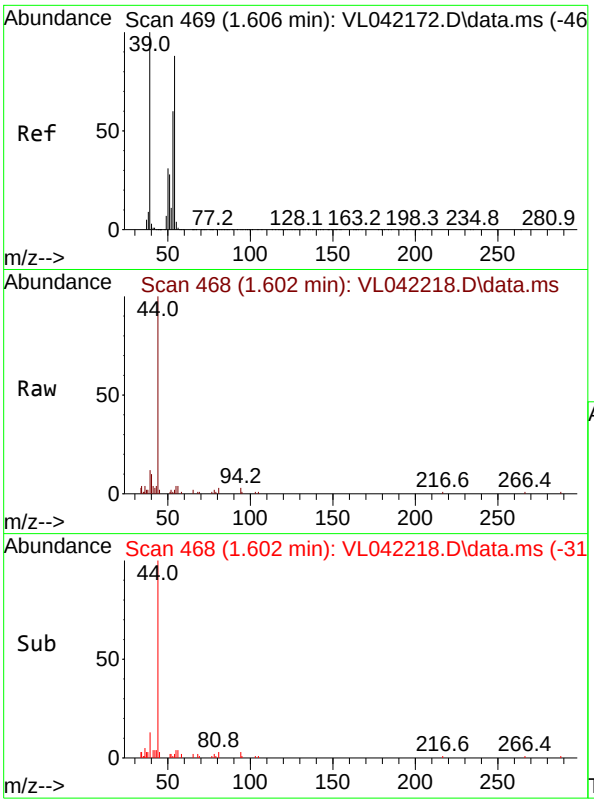


#15
Acetone
Concen: 0.169 ppbv
RT: 1.838 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Tgt Ion: 43 Resp: 4323

Ion	Ratio	Lower	Upper
43	100		
58	32.7	23.2	34.8



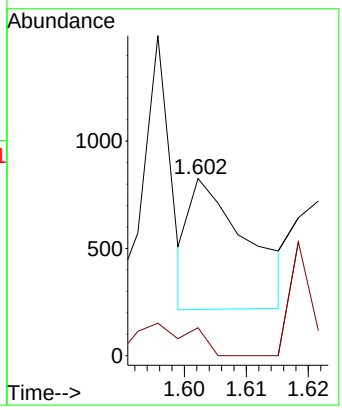


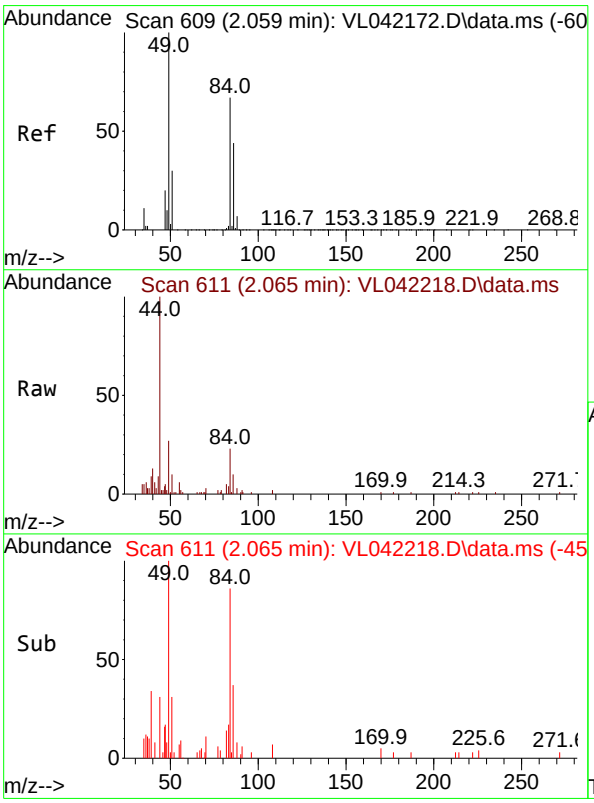
#16
1,3-Butadiene
Concen: 0.031 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion: 39 Resp: 390

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.7	91.1#

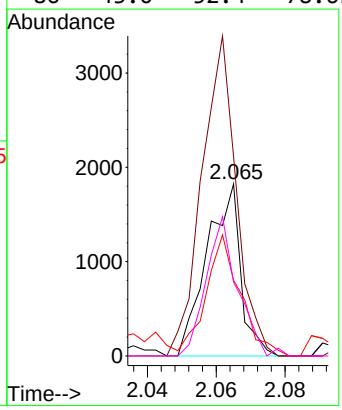


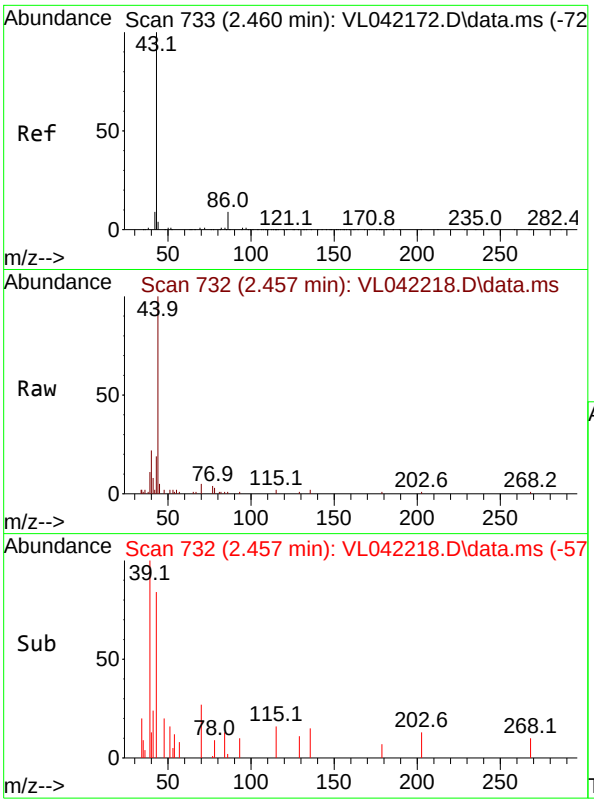


#20
Methylene Chloride
Concen: 0.131 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Tgt Ion: 84 Resp: 1243

Ion	Ratio	Lower	Upper
84	100		
49	116.0	120.2	180.4#
51	40.9	37.4	56.0
86	43.0	52.4	78.6#



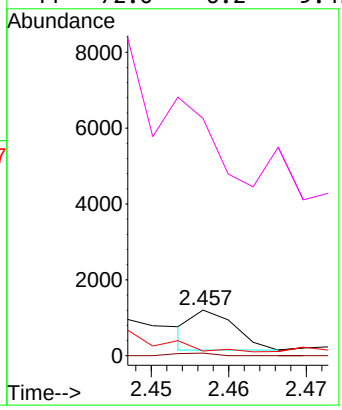


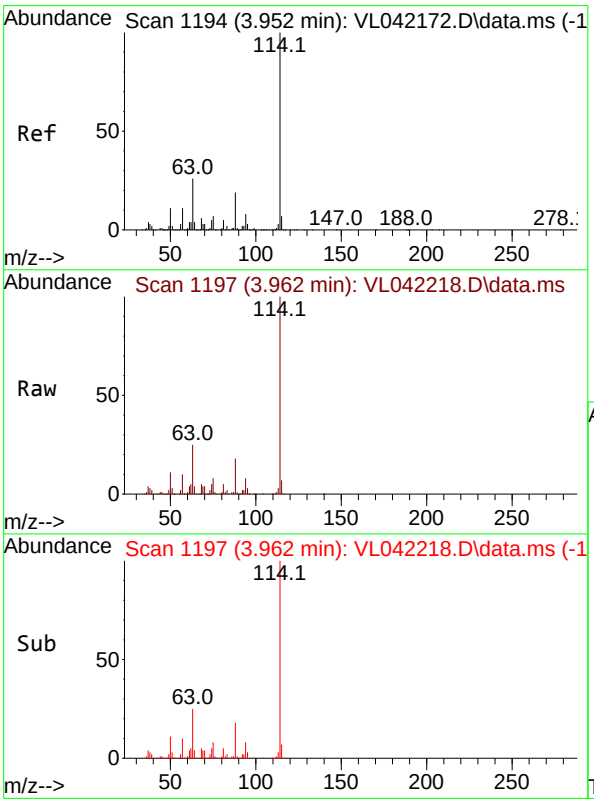
#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.004 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion: 43 Resp: 401

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.5	8.3
42	1.5	8.6	13.0#
44	72.0	6.2	9.4#

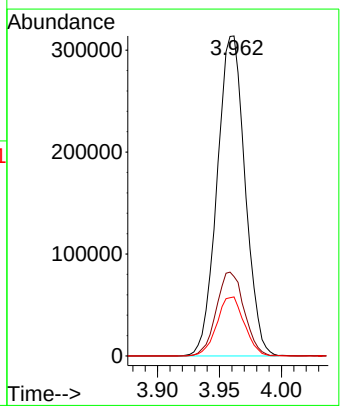


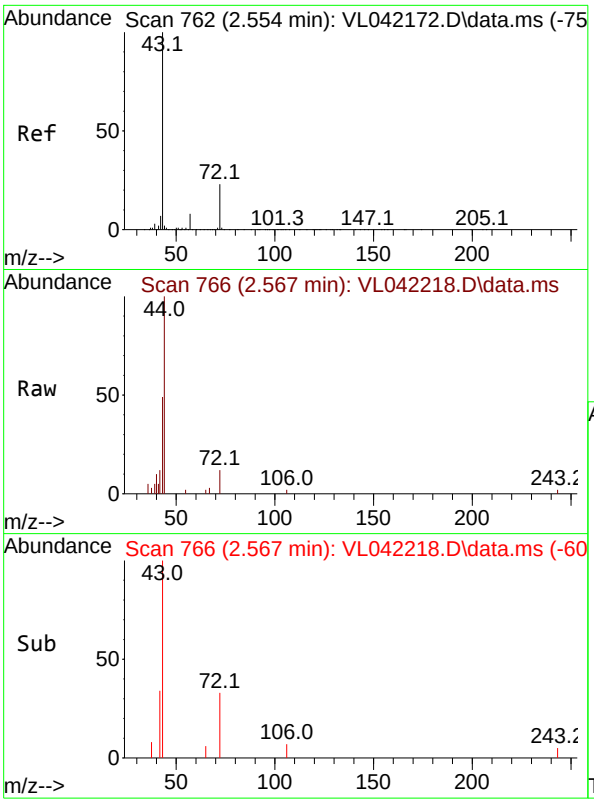


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.009 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Tgt Ion:114 Resp: 493389

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	18.2	15.0	22.4



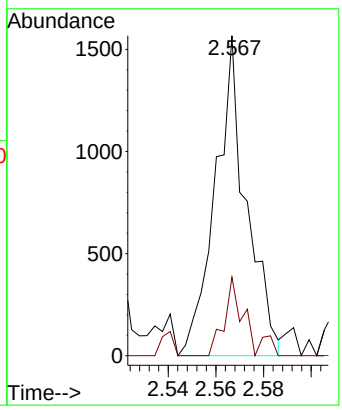


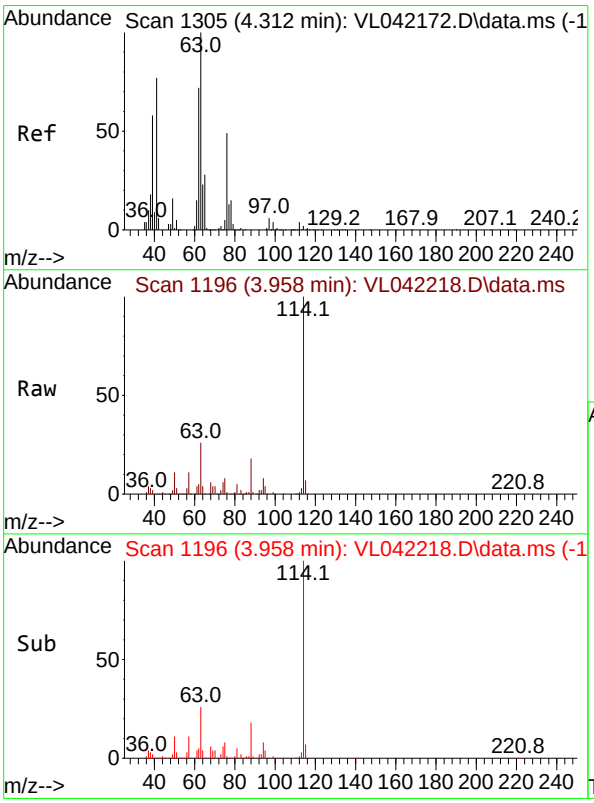
#34
2-Butanone
Concen: 0.040 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion: 43 Resp: 1414

Ion	Ratio	Lower	Upper
43	100		
72	16.7	18.2	27.2#

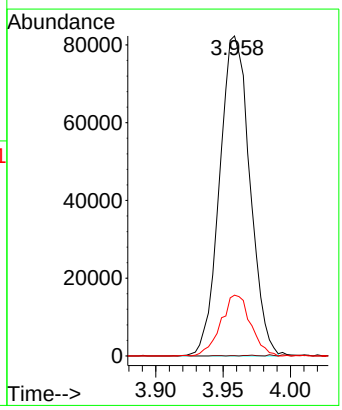


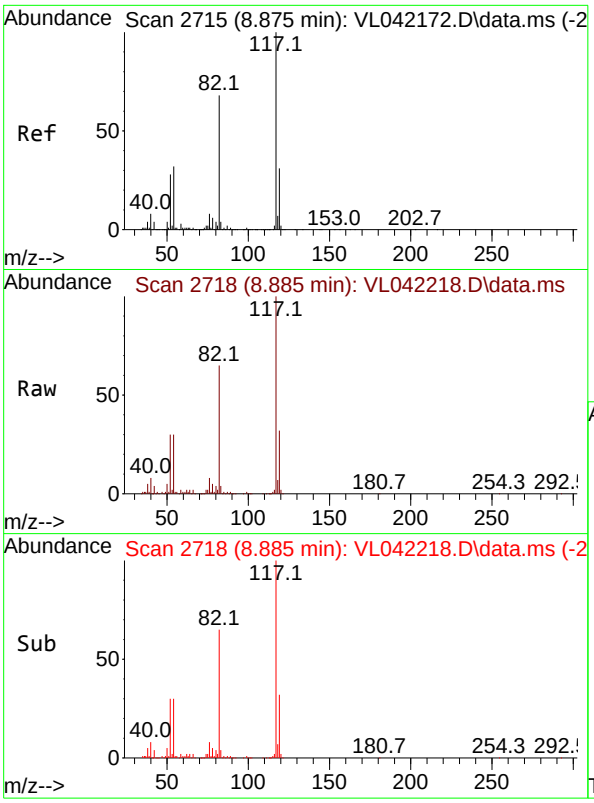


#39
1,2-Dichloropropane
Concen: 7.225 ppbv
RT: 3.958 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Tgt Ion: 63 Resp: 128697

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.7	92.5#
62	19.0	57.6	86.4#



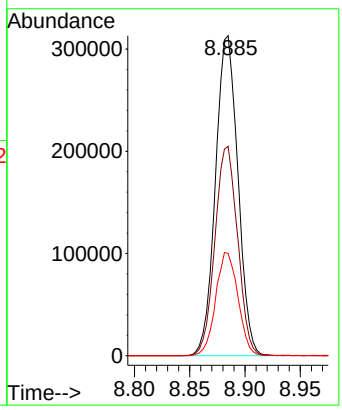


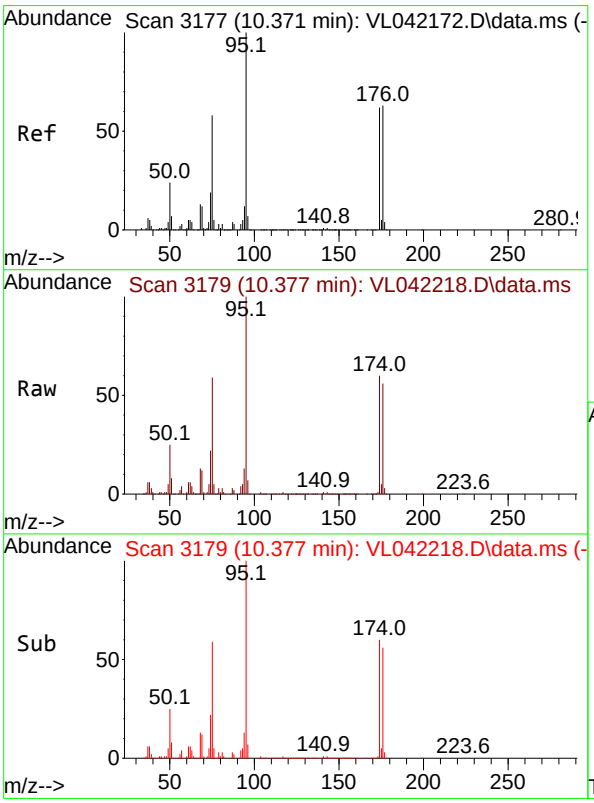
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.009 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion:117 Resp: 442652

Ion	Ratio	Lower	Upper
117	100		
82	66.0	55.8	83.6
119	32.0	25.5	38.3

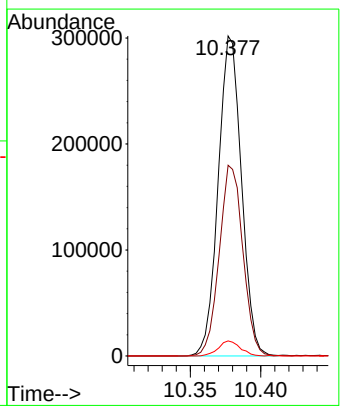


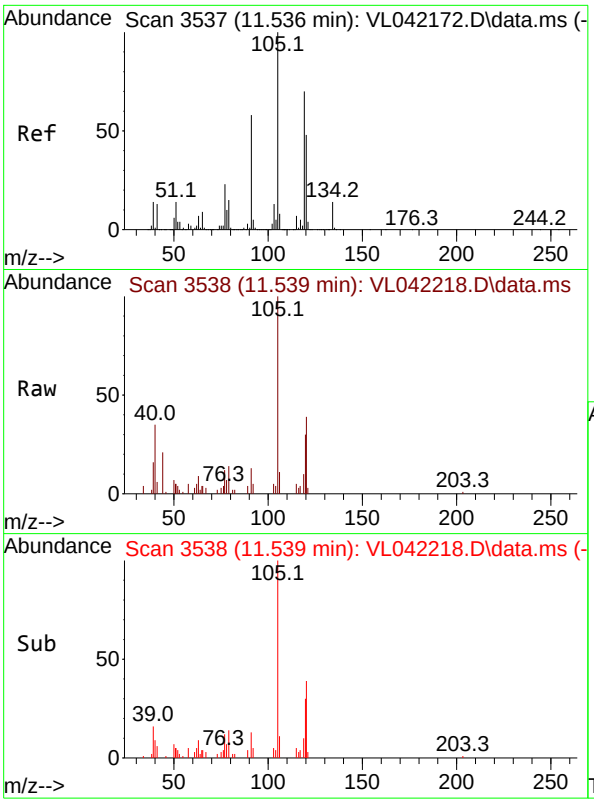


#68
1-Bromo-4-Fluorobenzene
Concen: 9.529 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Tgt Ion: 95 Resp: 346407

Ion	Ratio	Lower	Upper
95	100		
174	60.6	50.6	76.0
175	4.5	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.058 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042218.D
Acq: 04 Apr 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10401

Tgt Ion:105 Resp: 4550

Ion	Ratio	Lower	Upper
105	100		
120	39.4	38.6	58.0
91	13.4	46.2	69.2#
77	12.3	18.6	27.8#