Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042600.D
Acq On : 29 May 2025 23:26
Operator : SY/MD
Sample : QC05225 CAN 10154
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Quant Time: May 30 02:16:06 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	2.793	49	98730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	273505	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	245635	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	182369	9.904	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.000%			
Target Compounds						Qvalue
13) Ethanol	1.806	45	162	0.202	ppbv	# 39
15) Acetone	1.842	43	2060	0.173	ppbv	94
16) 1,3-Butadiene	1.602	39	536	0.095	ppbv	# 13
17) tert-Butyl alcohol	2.046	59	1662	0.134	ppbv	# 80
20) Methylene Chloride	2.068	84	917	0.234	ppbv	# 79
39) 1,2-Dichloropropane	3.965	63	66451	6.672	ppbv	# 23
74) 1,2,4-Trimethylbenzene	11.545	105	1950	0.052	ppbv	# 66

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

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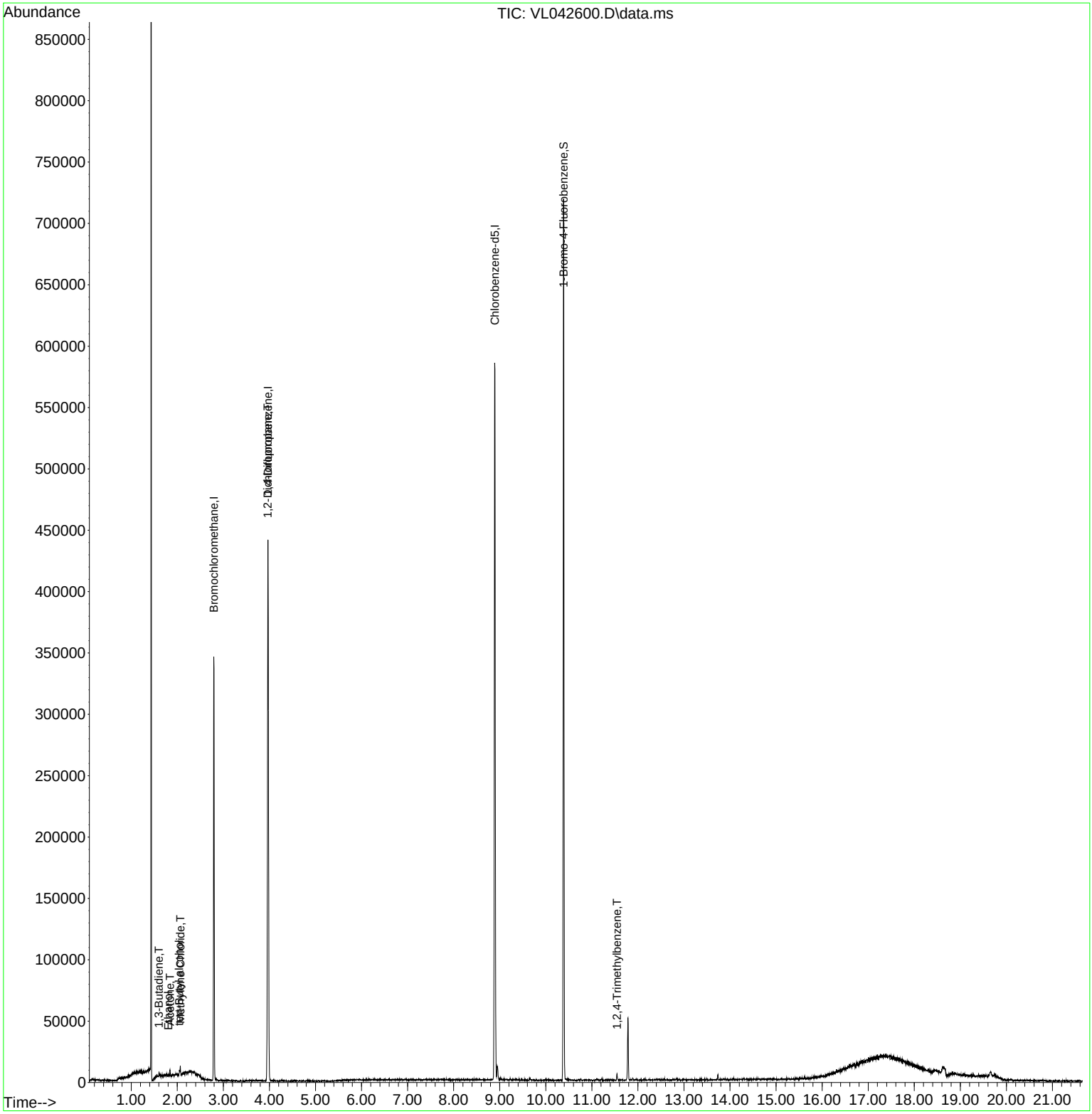
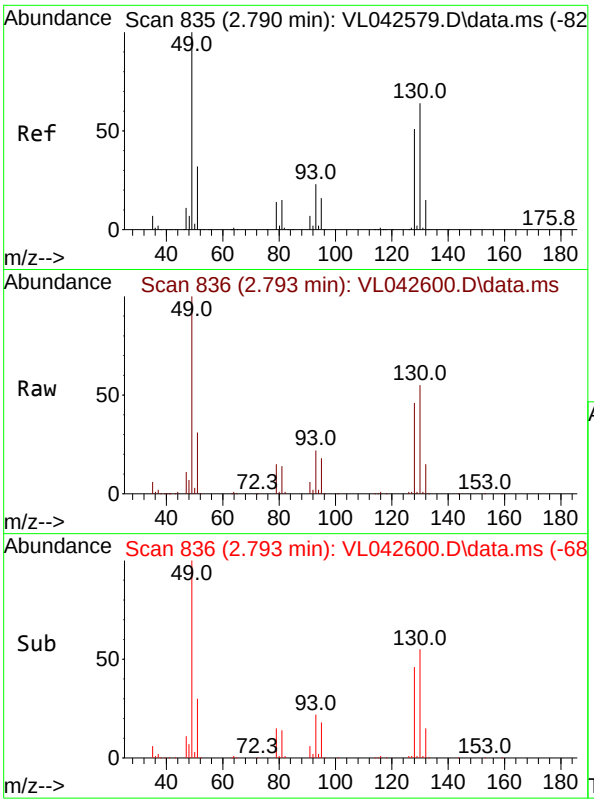


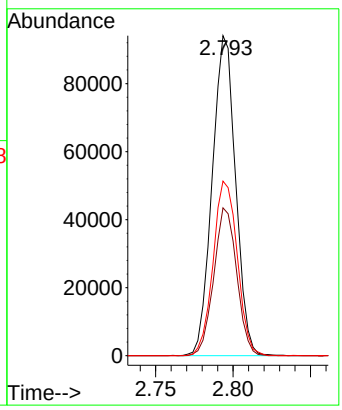


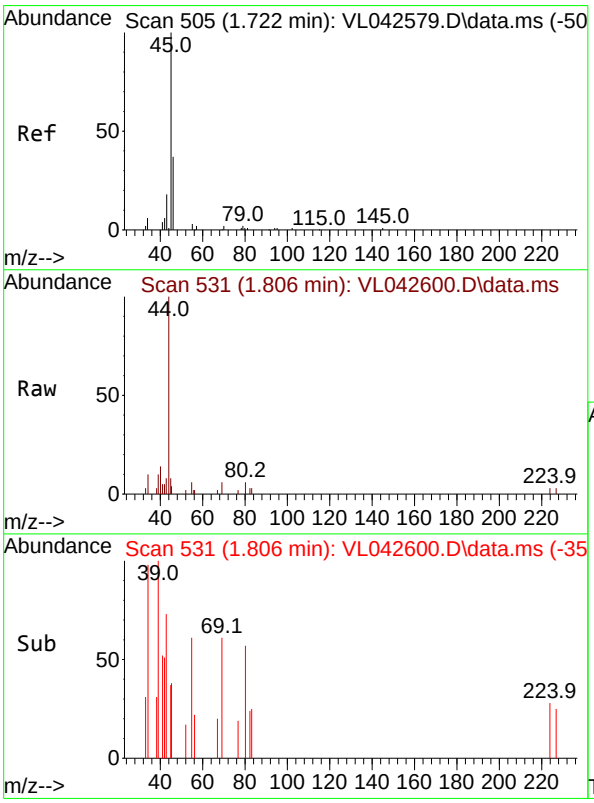
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Tgt Ion: 49 Resp: 98730

Ion	Ratio	Lower	Upper
49	100		
128	45.4	24.2	72.6
130	56.4	30.4	91.2

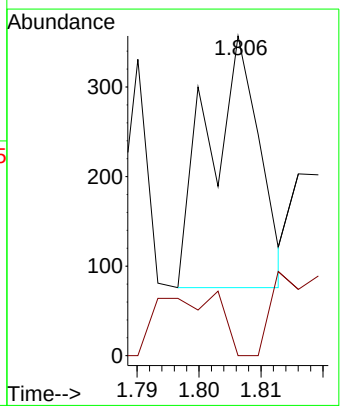


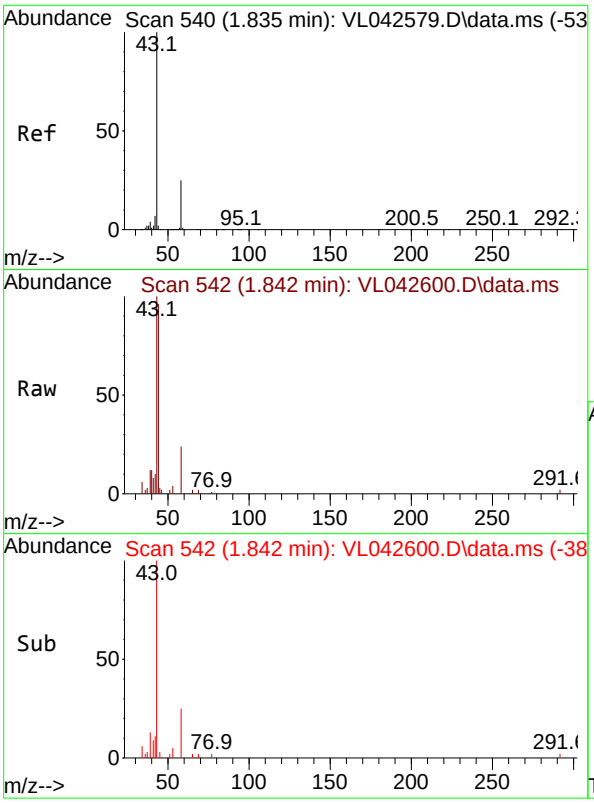


#13
Ethanol
Concen: 0.202 ppbv
RT: 1.806 min Scan# 531
Delta R.T. 0.084 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Tgt Ion: 45 Resp: 162

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.5	58.1#



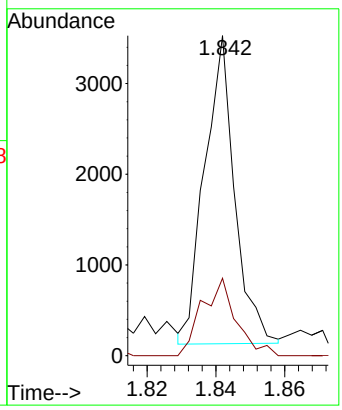


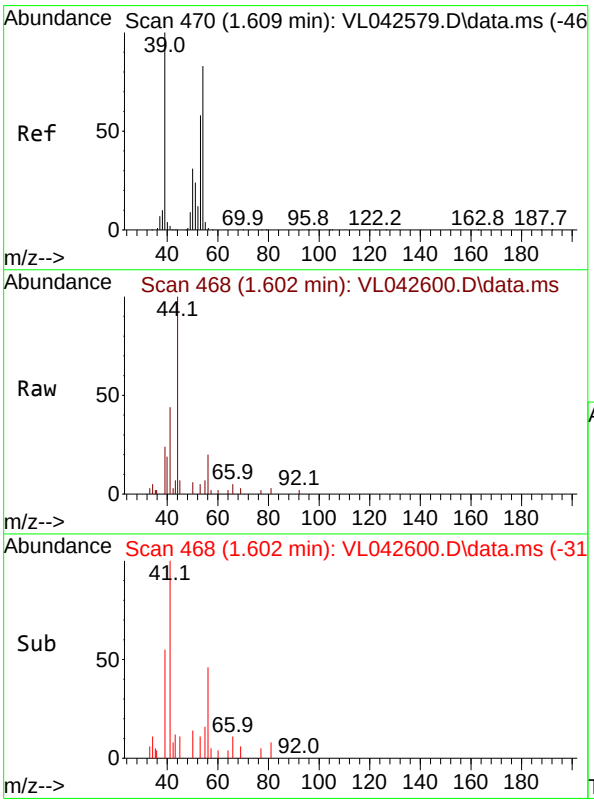
#15
Acetone
Concen: 0.173 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Tgt Ion: 43 Resp: 2060

Ion	Ratio	Lower	Upper
43	100		
58	29.1	21.0	31.4

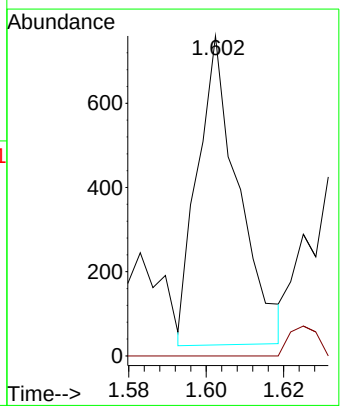


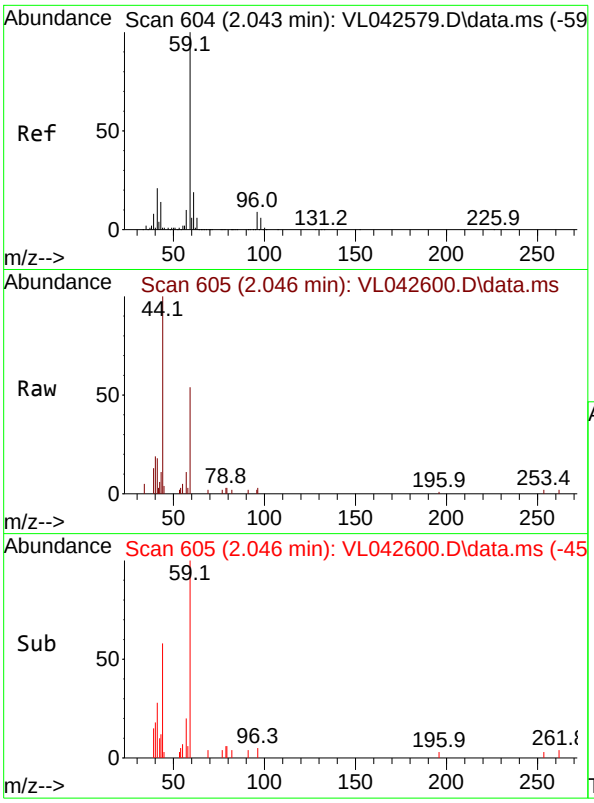


#16
1,3-Butadiene
Concen: 0.095 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Tgt Ion: 39 Resp: 536

Ion	Ratio	Lower	Upper
39	100		
54	0.0	57.9	86.9#



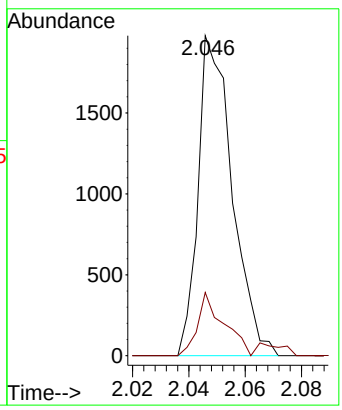


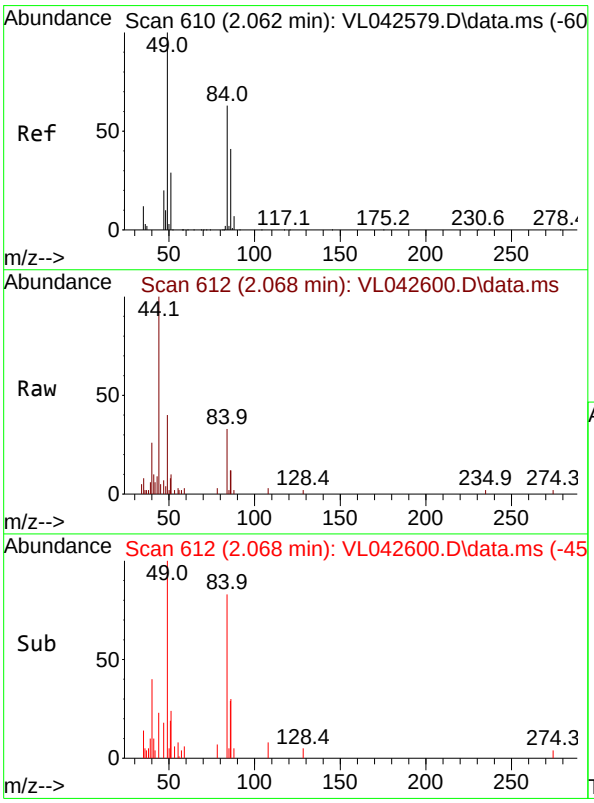
#17
tert-Butyl alcohol
Concen: 0.134 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Tgt Ion: 59 Resp: 1662

Ion	Ratio	Lower	Upper
59	100		
57	18.1	8.6	12.8#

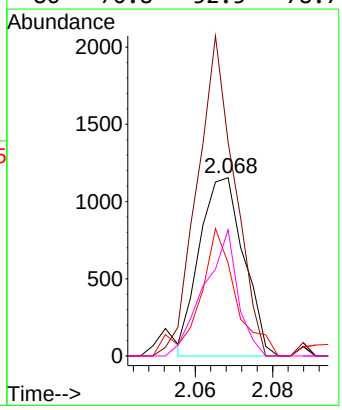


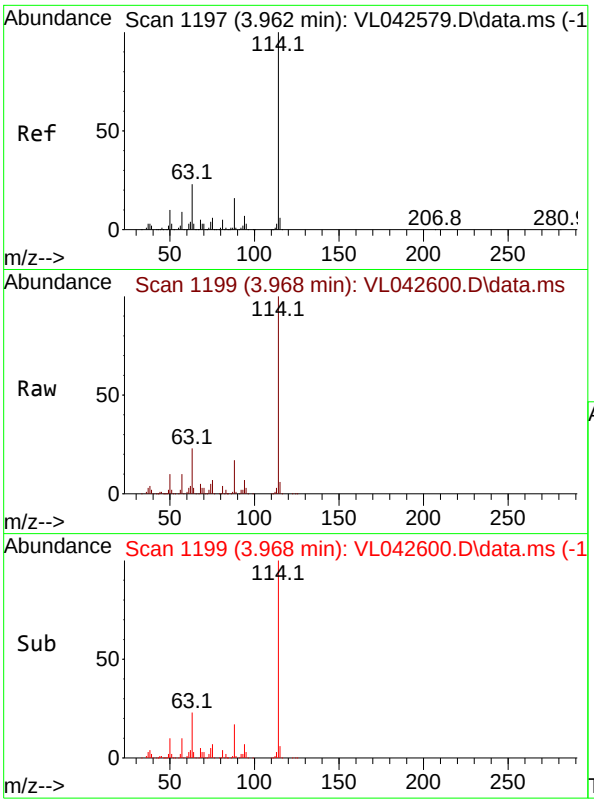


#20
Methylene Chloride
Concen: 0.234 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Tgt Ion: 84 Resp: 917

Ion	Ratio	Lower	Upper
84	100		
49	119.9	128.8	193.2#
51	52.0	38.6	57.8
86	70.8	52.5	78.7



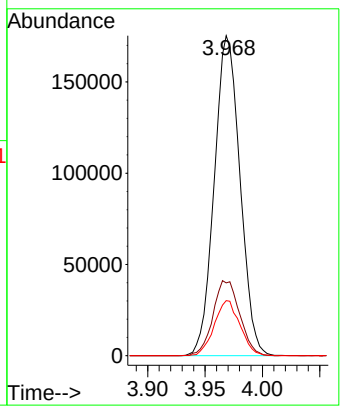


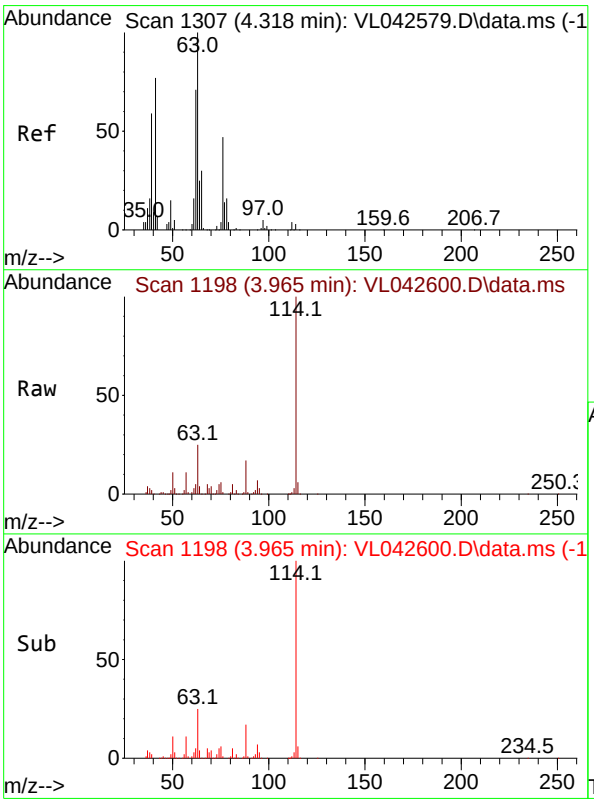
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Tgt Ion:114 Resp: 273505

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.0	28.6
88	17.2	13.6	20.4

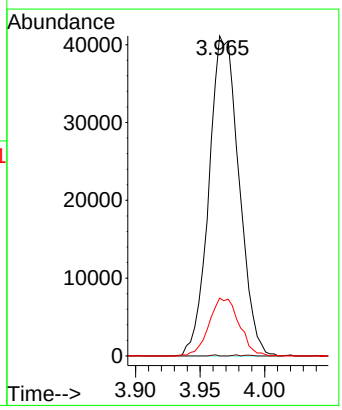


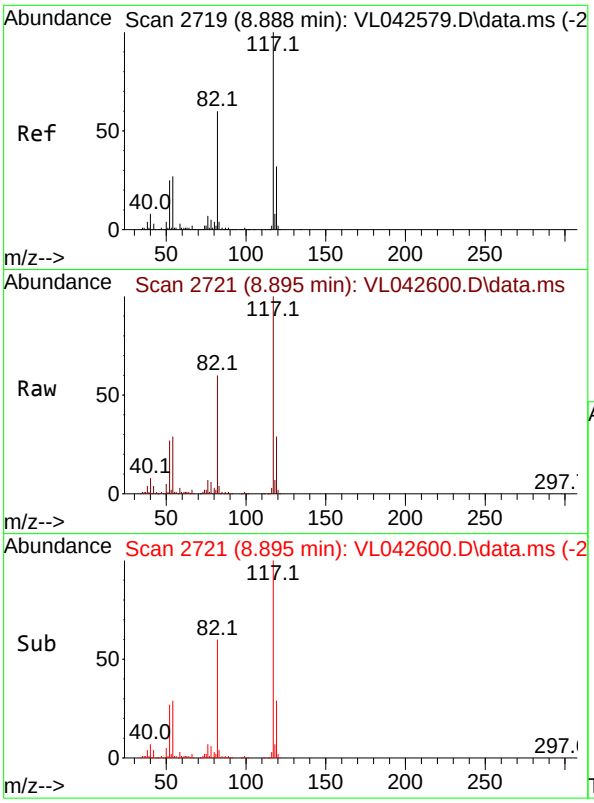


#39
1,2-Dichloropropane
Concen: 6.672 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.353 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Tgt Ion: 63 Resp: 66451

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.8	92.6#
62	18.1	56.6	85.0#



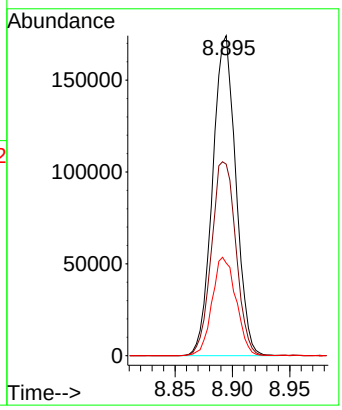


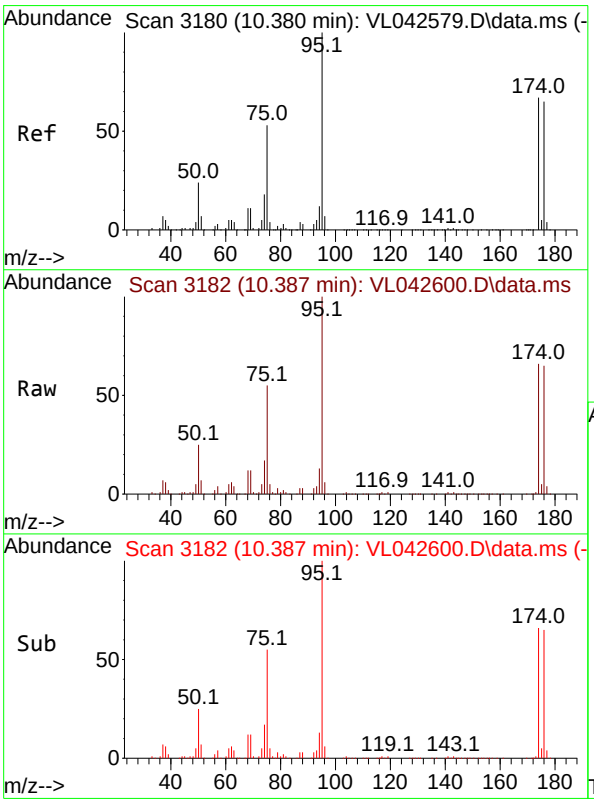
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Tgt Ion:117 Resp: 245635

Ion	Ratio	Lower	Upper
117	100		
82	63.8	51.2	76.8
119	31.7	26.3	39.5

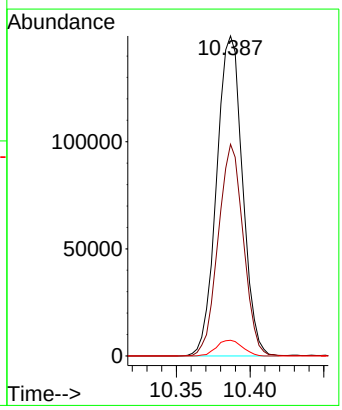


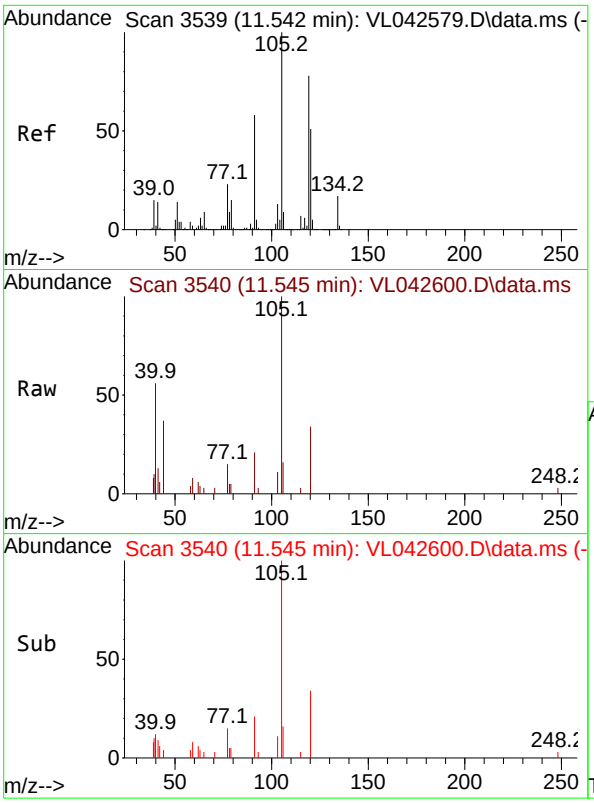


#68
1-Bromo-4-Fluorobenzene
Concen: 9.904 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Tgt Ion: 95 Resp: 182369

Ion	Ratio	Lower	Upper
95	100		
174	64.4	53.1	79.7
175	4.9	4.2	6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.052 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042600.D
Acq: 29 May 2025 23:26

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Tgt Ion:105 Resp: 1950

Ion	Ratio	Lower	Upper
105	100		
120	34.3	40.8	61.2#
91	21.2	46.8	70.2#
77	15.4	18.2	27.2#