Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
Data File : VL043198.D
Acq On : 13 Nov 2025 14:14
Operator : SY/MD
Sample : Q3627-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Quant Time: Nov 14 04:40:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	138276	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	360106	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.891	117	298832	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	225464	9.707	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.100%				
Target Compounds							Qvalue
13) Ethanol	1.725	45	28798	8.253	ppbv		99
15) Acetone	1.842	43	94610	5.076	ppbv		99
17) tert-Butyl alcohol	2.049	59	5023	0.196	ppbv	#	90
19) Isopropyl Alcohol	1.890	45	27516	2.370	ppbv	#	15
20) Methylene Chloride	2.068	84	2854	0.387	ppbv	#	91
34) 2-Butanone	2.567	43	12439	0.514	ppbv		100
35) Carbon Tetrachloride	3.774	117	5994	0.232	ppbv		90
38) Trichloroethene	4.561	130	14356	1.013	ppbv		91
52) Tetrachloroethene	8.231	164	5011	0.410	ppbv	#	76

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

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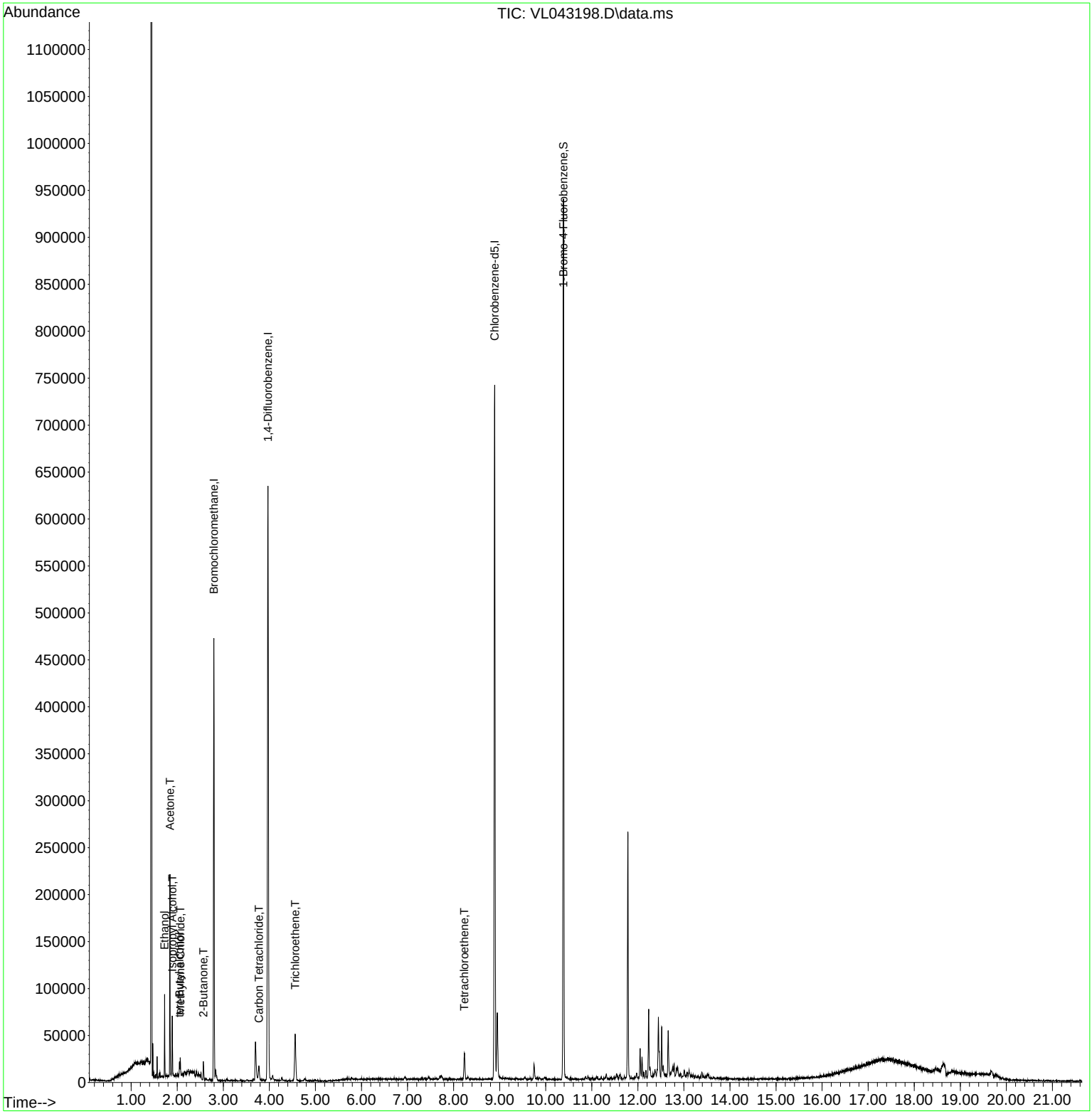
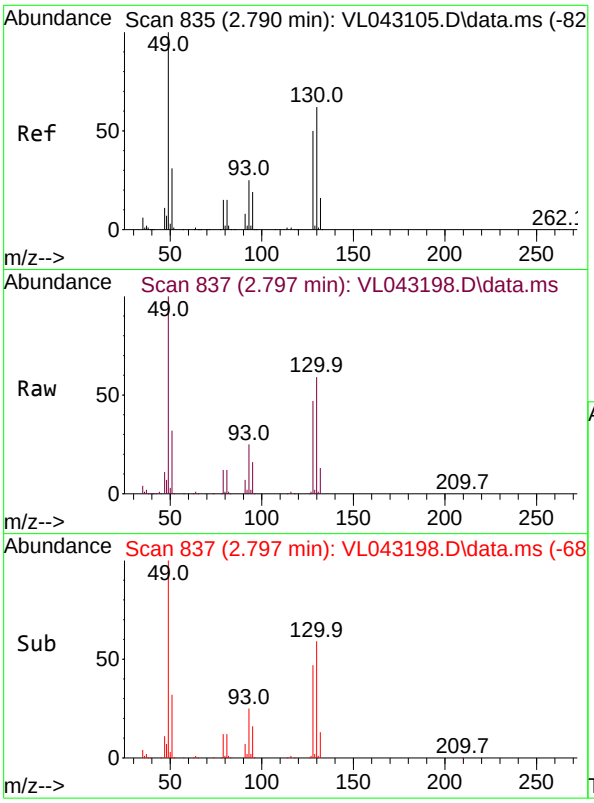


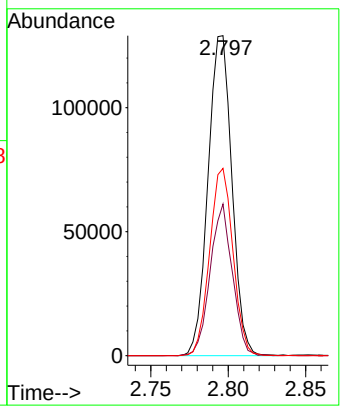


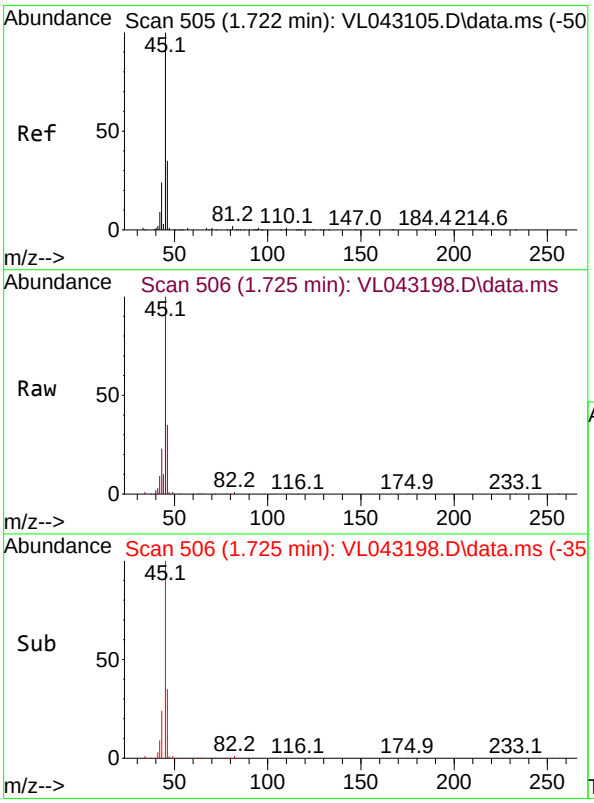
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion: 49 Resp: 138276

Ion	Ratio	Lower	Upper
49	100		
128	44.0	24.4	73.4
130	57.3	31.0	93.0

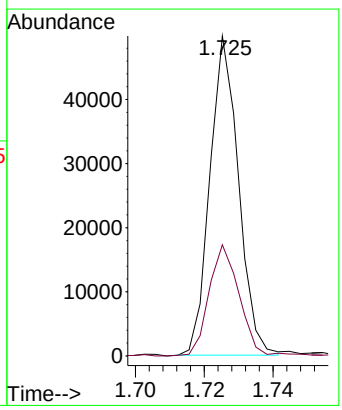


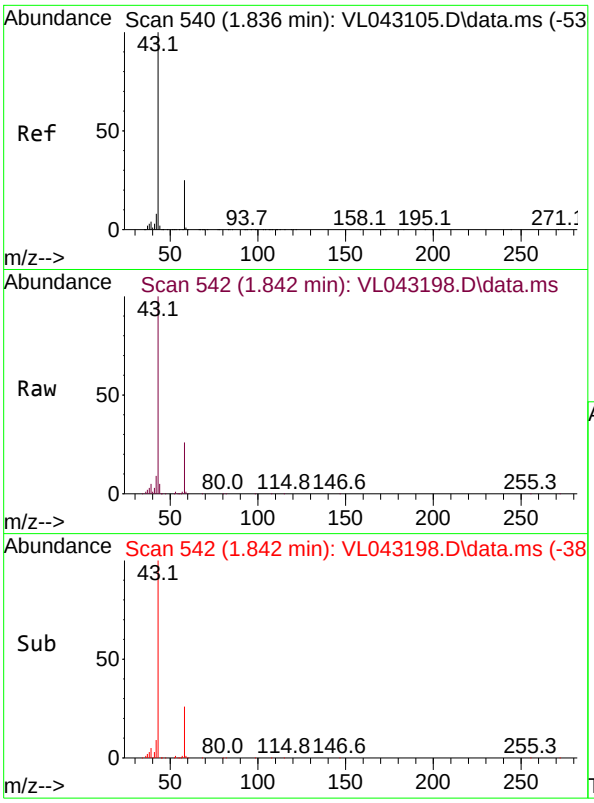


#13
Ethanol
Concen: 8.253 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Tgt Ion: 45 Resp: 28798

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.7	58.9



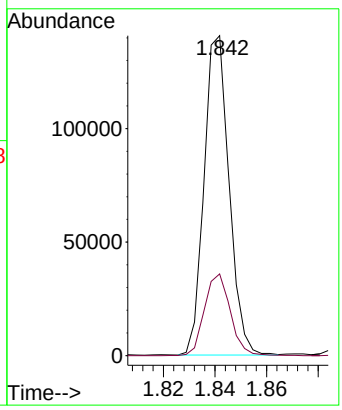


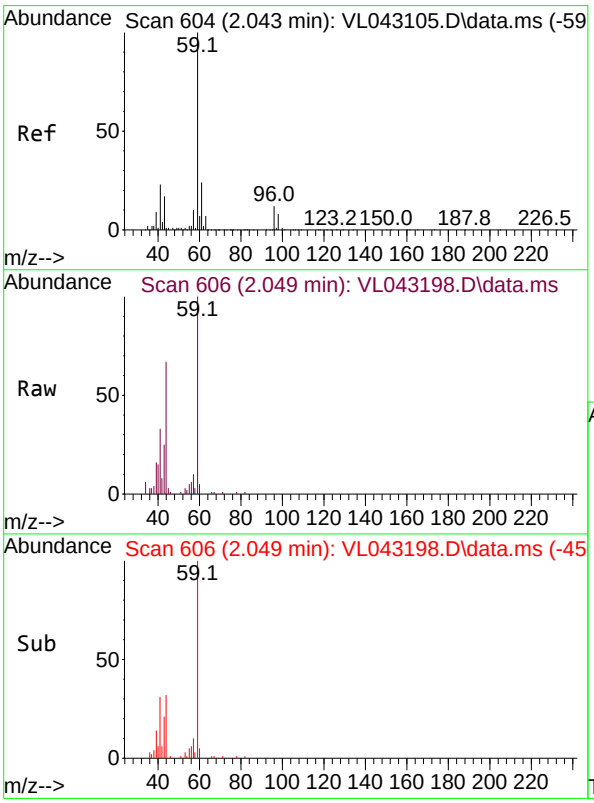
#15
Acetone
Concen: 5.076 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion: 43 Resp: 94610

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.8	31.2

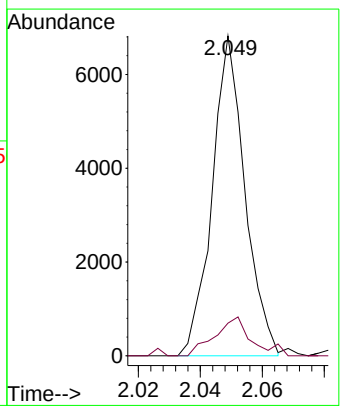


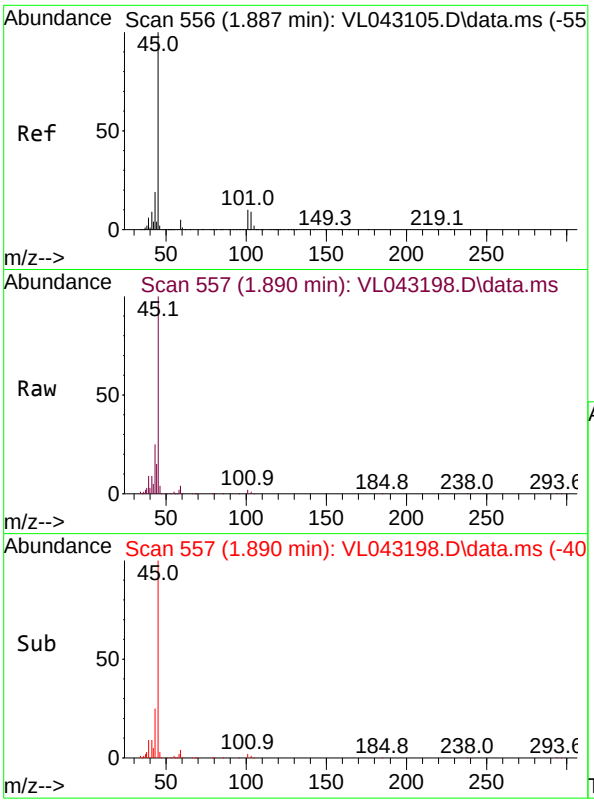


#17
tert-Butyl alcohol
Concen: 0.196 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Tgt Ion: 59 Resp: 5023

Ion	Ratio	Lower	Upper
59	100		
57	14.1	8.2	12.4#



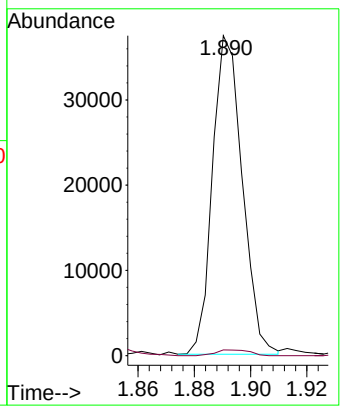


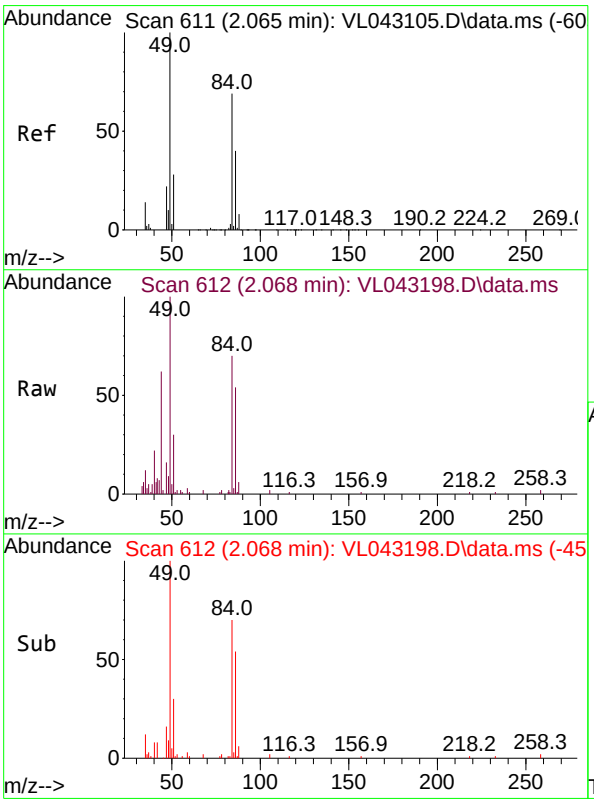
#19
Isopropyl Alcohol
Concen: 2.370 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion: 45 Resp: 27516

Ion	Ratio	Lower	Upper
45	100		
58	90.9	31.3	46.9#

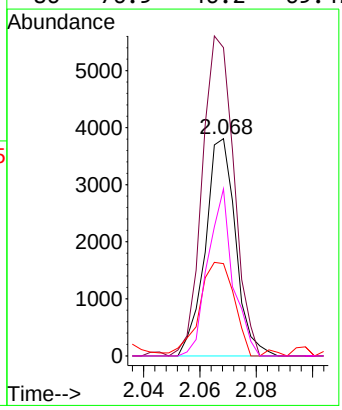


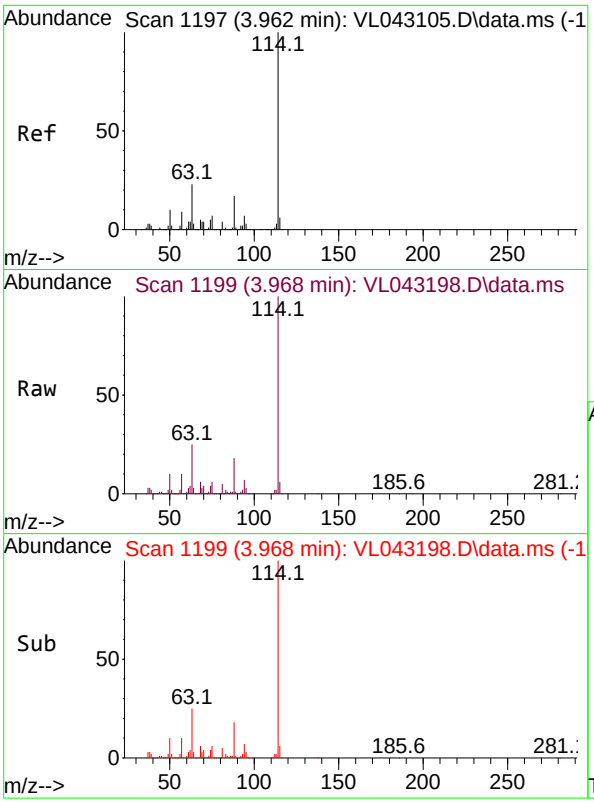


#20
Methylene Chloride
Concen: 0.387 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Tgt Ion: 84 Resp: 2854

Ion	Ratio	Lower	Upper
84	100		
49	142.0	116.6	175.0
51	40.9	34.8	52.2
86	76.9	46.2	69.4#



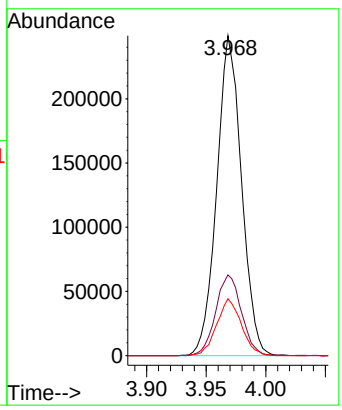


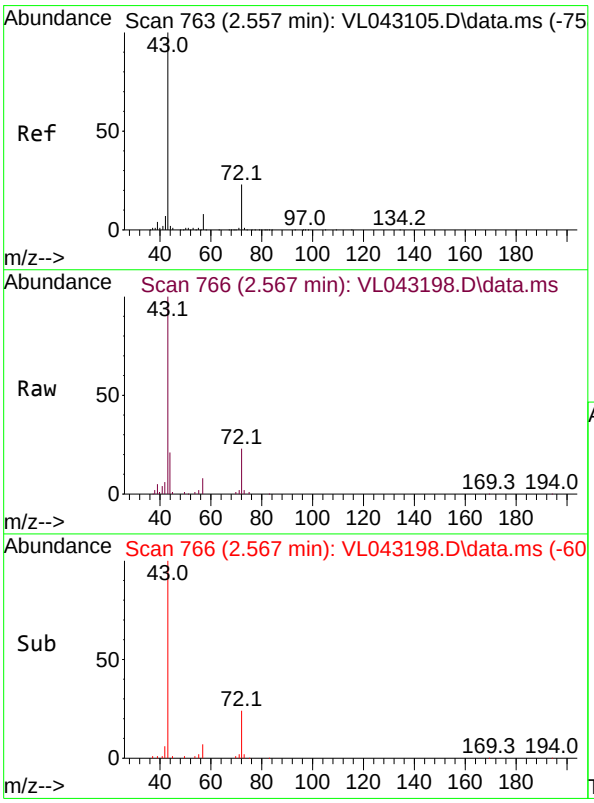
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion:114 Resp: 360106

Ion	Ratio	Lower	Upper
114	100		
63	26.2	19.3	28.9
88	17.7	13.9	20.9

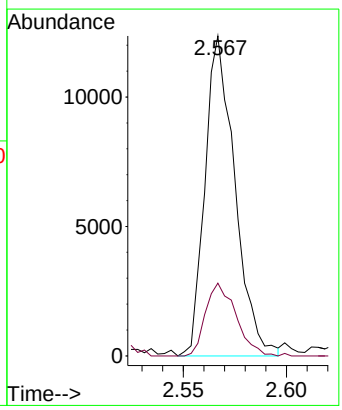


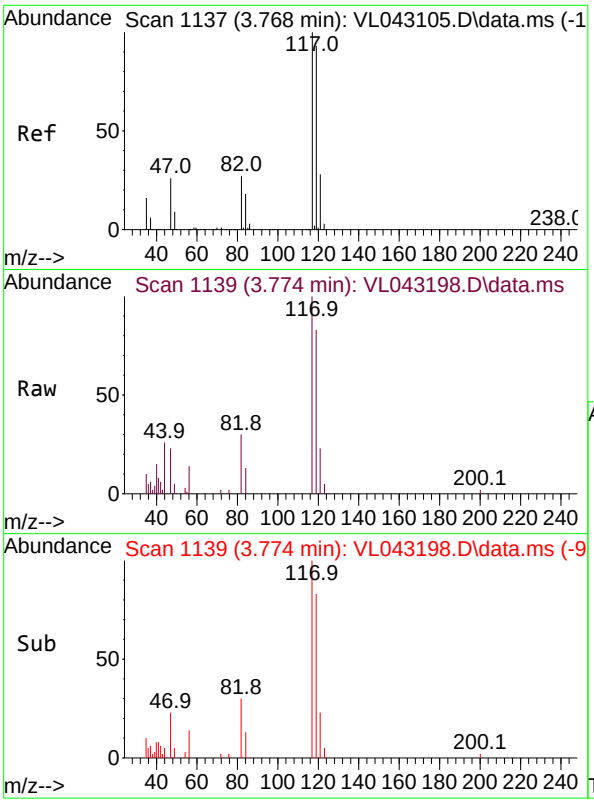


#34
2-Butanone
Concen: 0.514 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.009 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Tgt Ion: 43 Resp: 12439

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6



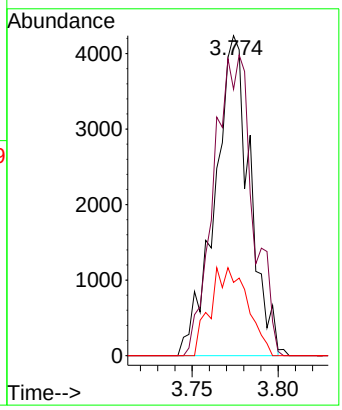


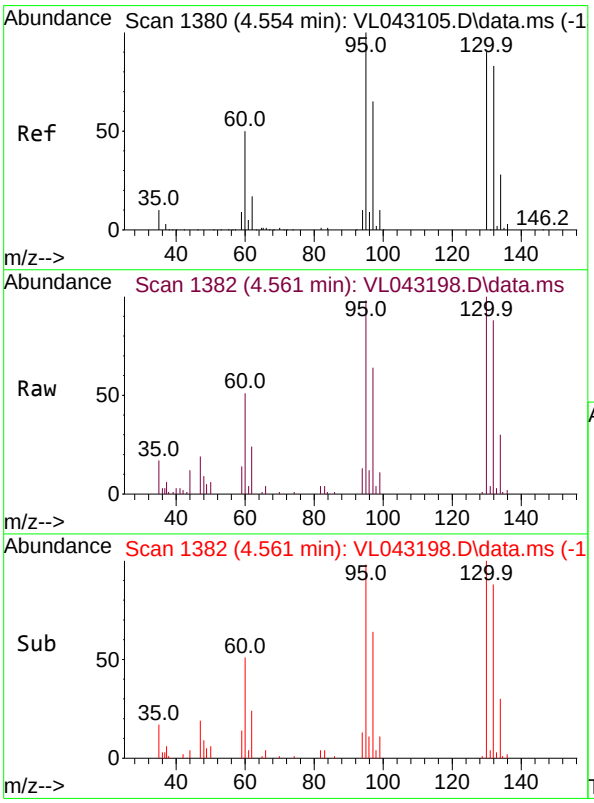
#35
Carbon Tetrachloride
Concen: 0.232 ppbv
RT: 3.774 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion:117 Resp: 5994

Ion	Ratio	Lower	Upper
117	100		
119	83.2	74.1	111.1
121	22.9	22.2	33.2

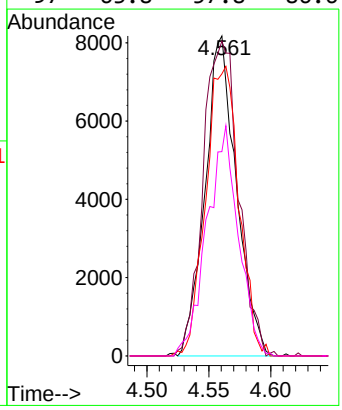


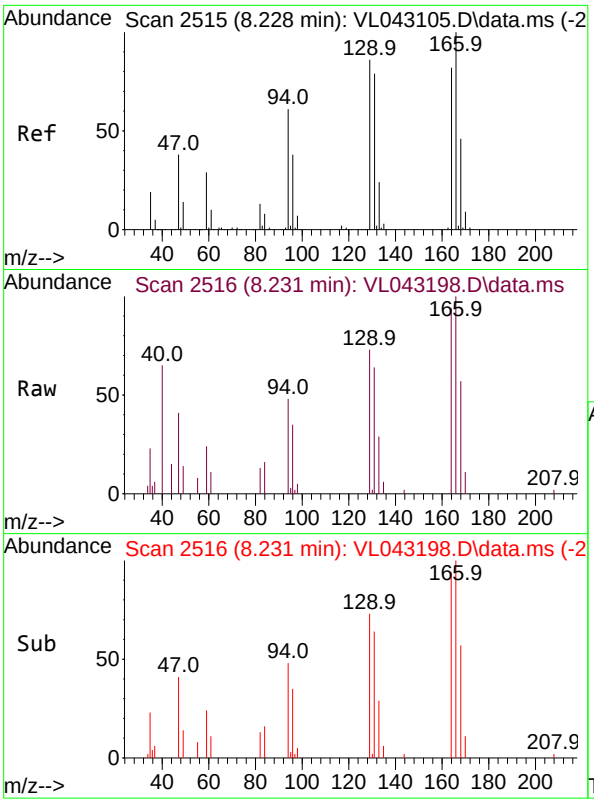


#38
Trichloroethene
Concen: 1.013 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Tgt Ion:130 Resp: 14356

Ion	Ratio	Lower	Upper
130	100		
95	98.3	88.6	133.0
132	88.1	73.4	110.0
97	63.8	57.8	86.6



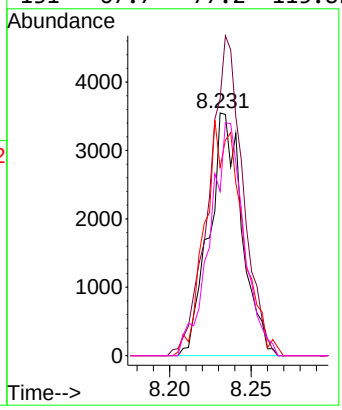


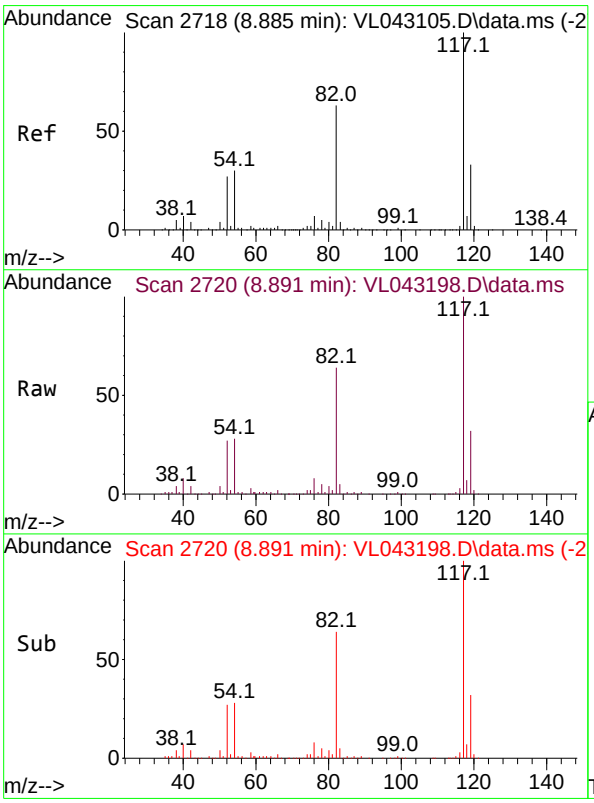
#52
Tetrachloroethene
Concen: 0.410 ppbv
RT: 8.231 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion:164 Resp: 5011

Ion	Ratio	Lower	Upper
164	100		
166	105.8	97.6	146.4
129	76.0	84.5	126.7#
131	67.7	77.2	115.8#

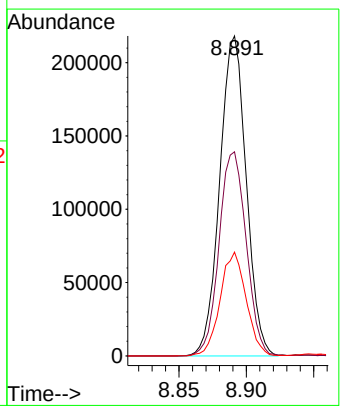


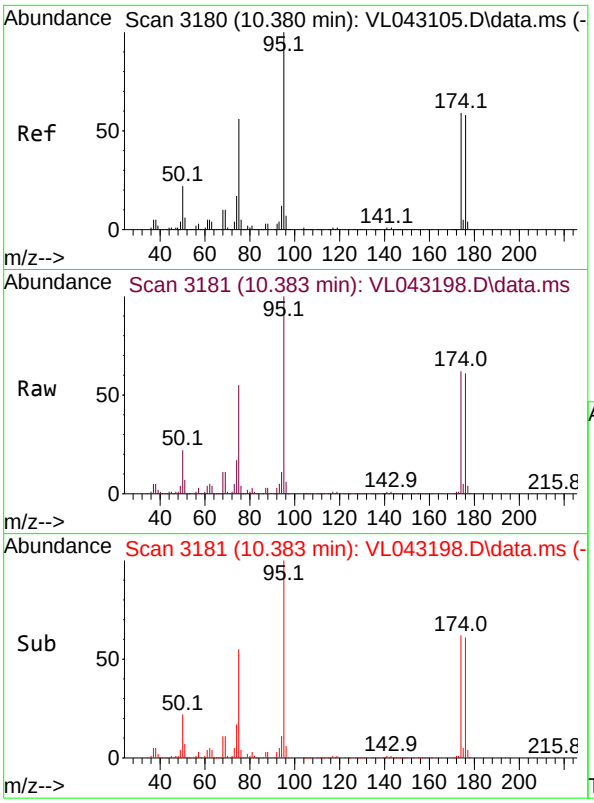


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.006 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Tgt Ion:117 Resp: 298832

Ion	Ratio	Lower	Upper
117	100		
82	65.5	53.8	80.8
119	31.9	25.4	38.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.707 ppbv
RT: 10.383 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043198.D
Acq: 13 Nov 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
UNIT-8-SS-1DL

Tgt Ion: 95 Resp: 225464

Ion	Ratio	Lower	Upper
95	100		
174	64.3	48.3	72.5
175	4.5	3.8	5.8