Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
Data File : VL043115.D
Acq On : 15 Oct 2025 09:34
Operator : SY/MD
Sample : VL1015ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Quant Time: Oct 16 01:14:32 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	2.787	49	94939	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	308682	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	273385	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	214813	10.109	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
13) Ethanol	1.713	45	221	0.092	ppbv	# 38
15) Acetone	1.836	43	2365	0.185	ppbv	# 84
20) Methylene Chloride	2.062	84	1325	0.262	ppbv	# 88
34) 2-Butanone	2.564	43	1127	0.054	ppbv	# 79
39) 1,2-Dichloropropane	3.959	63	75549	7.108	ppbv	# 25
79) Naphthalene	13.513	128	2510	0.057	ppbv	# 91
80) Naphthalene,2-methyl-	14.471	142	973	0.085	ppbv	# 75

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

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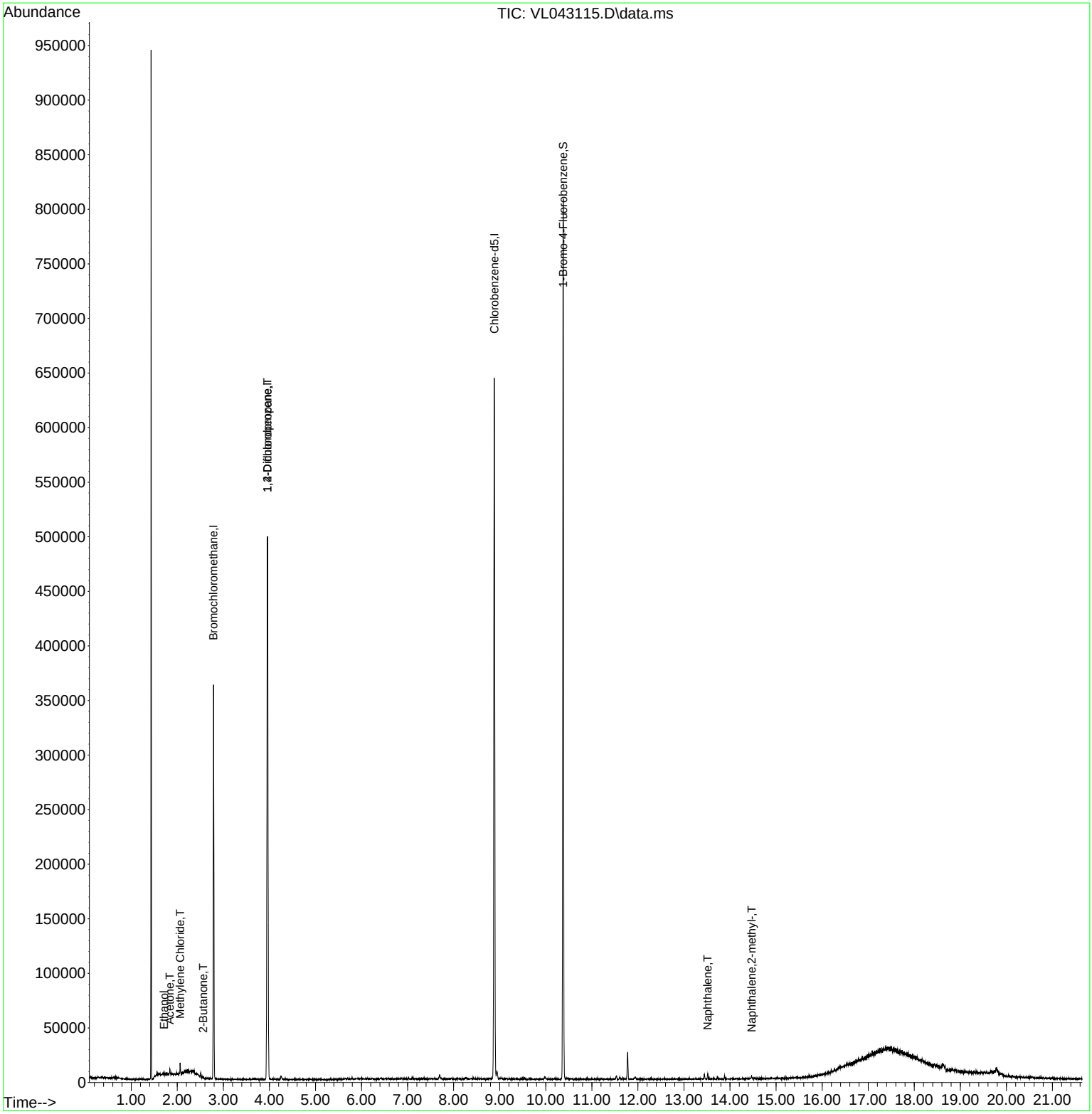
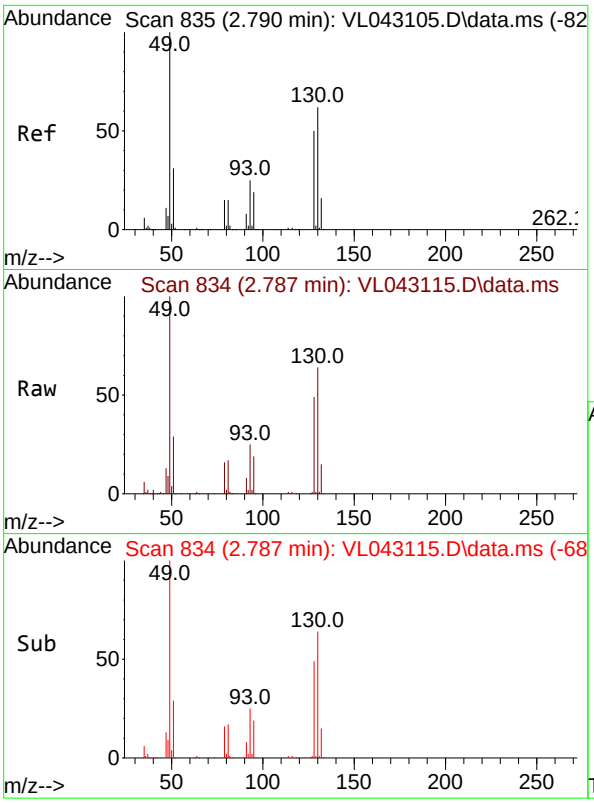


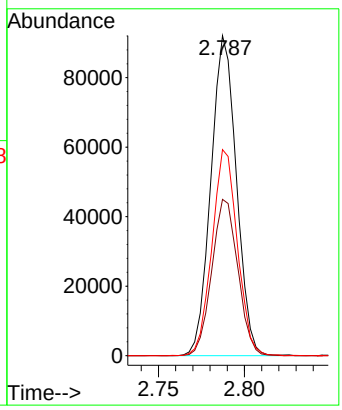


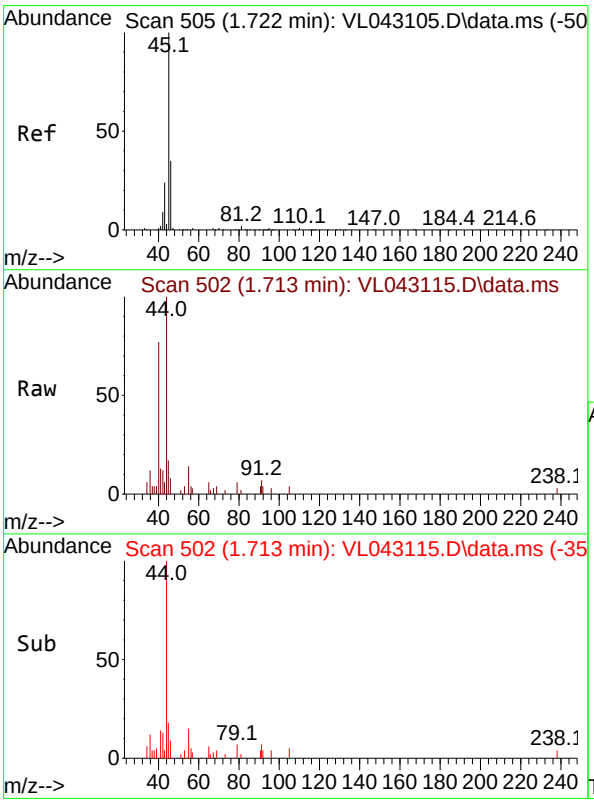
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Tgt Ion: 49 Resp: 94939

Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.4	73.4
130	64.1	31.0	93.0

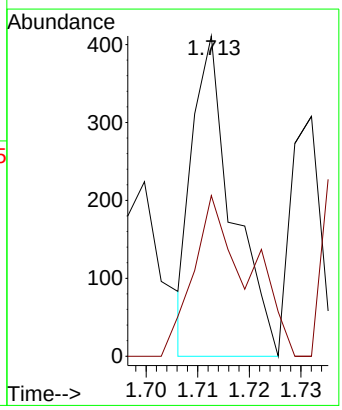


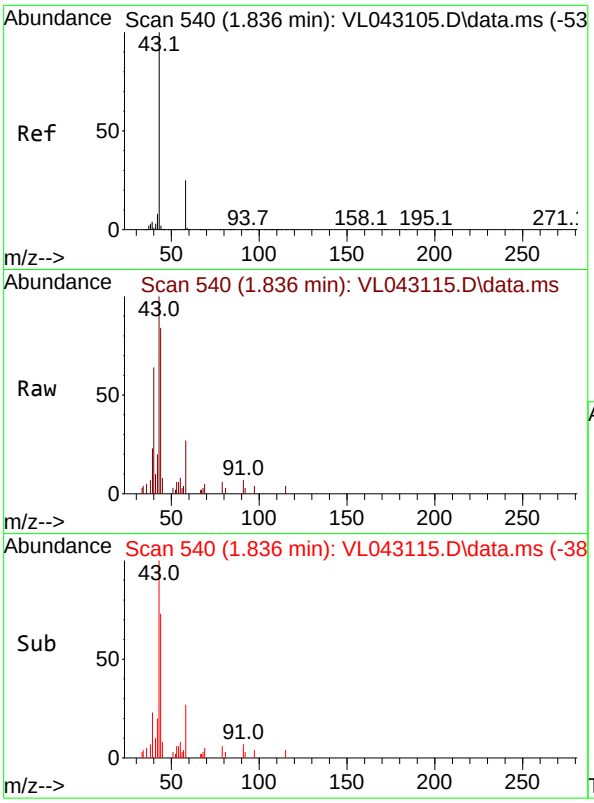


#13
Ethanol
Concen: 0.092 ppbv
RT: 1.713 min Scan# 502
Delta R.T. -0.010 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion: 45 Resp: 221

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#



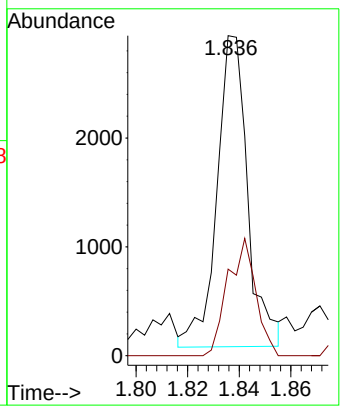


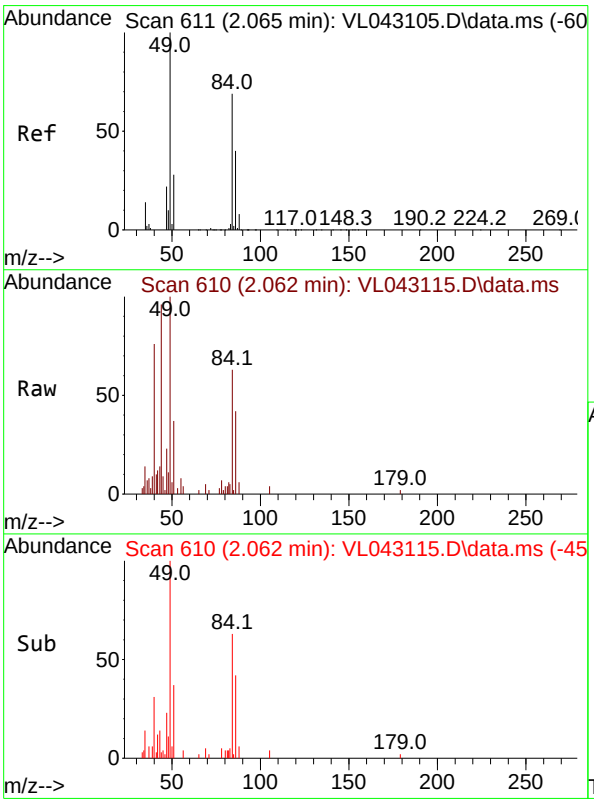
#15
Acetone
Concen: 0.185 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Tgt Ion: 43 Resp: 2365

Ion	Ratio	Lower	Upper
43	100		
58	34.2	20.8	31.2#

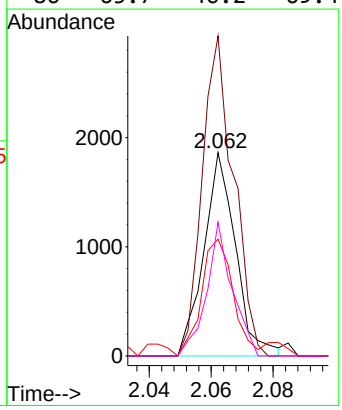


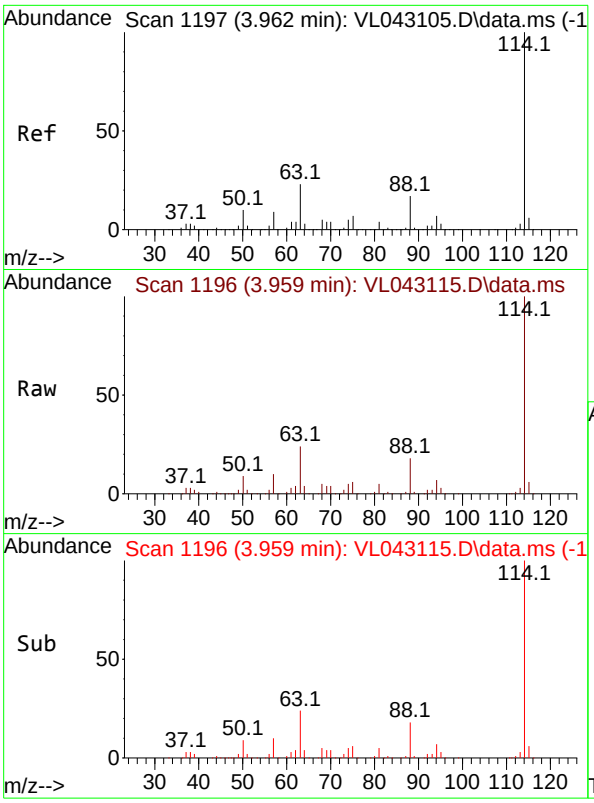


#20
Methylene Chloride
Concen: 0.262 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion: 84 Resp: 1325

Ion	Ratio	Lower	Upper
84	100		
49	157.5	116.6	175.0
51	57.5	34.8	52.2#
86	65.7	46.2	69.4



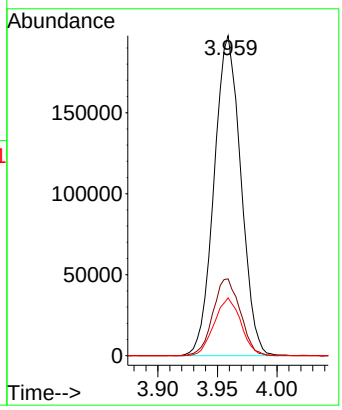


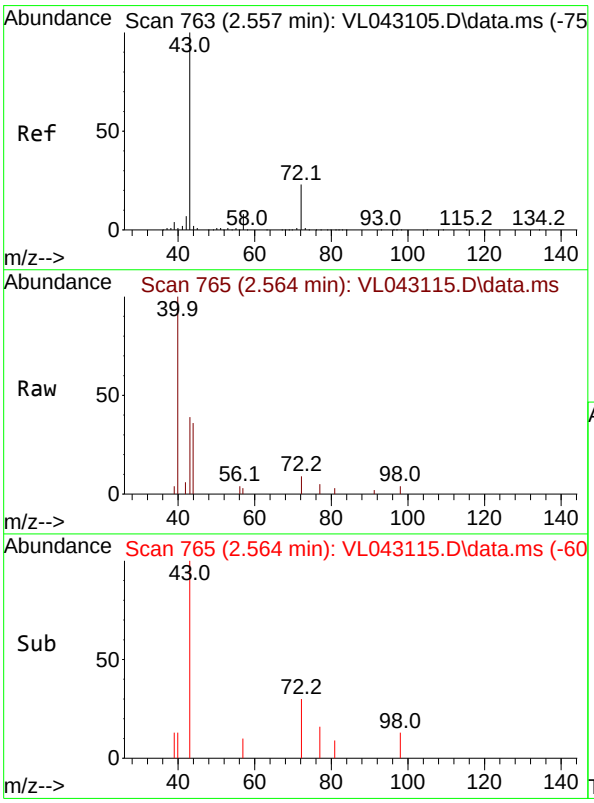
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Tgt Ion:114 Resp: 308682

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	17.9	13.9	20.9

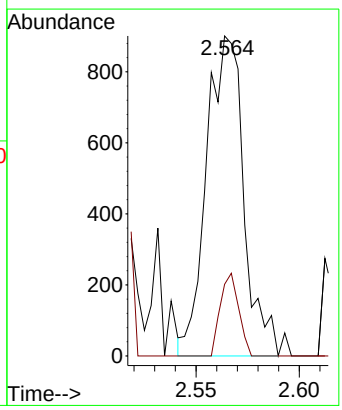


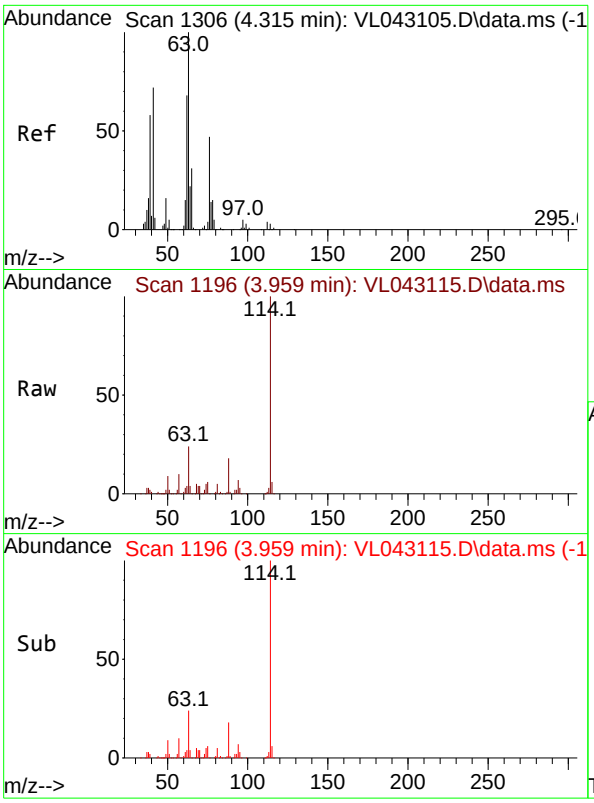


#34
2-Butanone
Concen: 0.054 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion: 43 Resp: 1127

Ion	Ratio	Lower	Upper
43	100		
72	12.8	18.4	27.6#



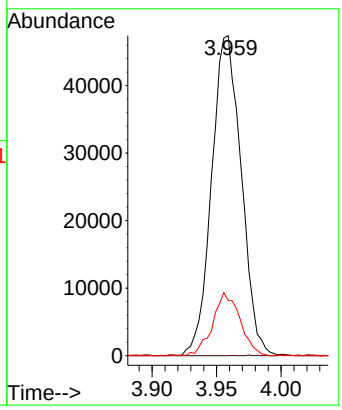


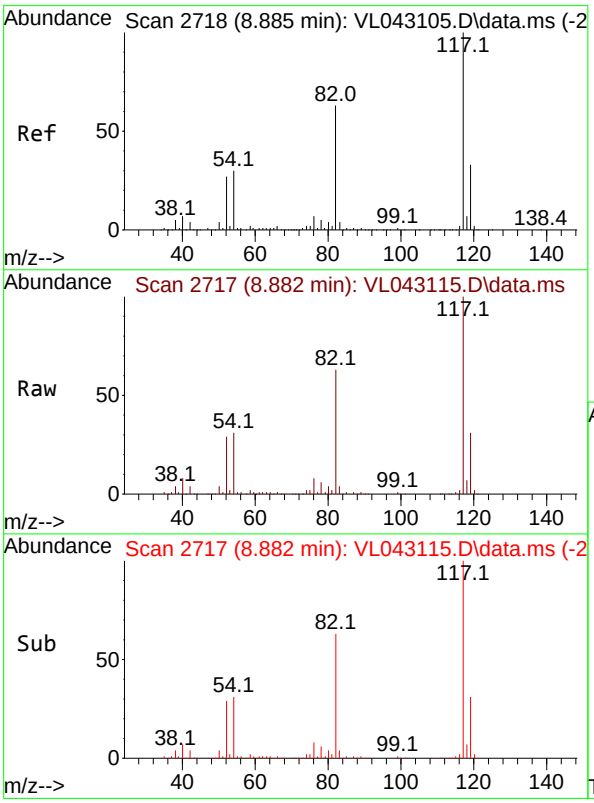
#39
1,2-Dichloropropane
Concen: 7.108 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.356 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Tgt Ion: 63 Resp: 75549

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	17.2	54.7	82.1#

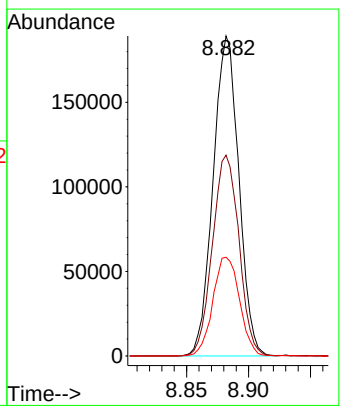


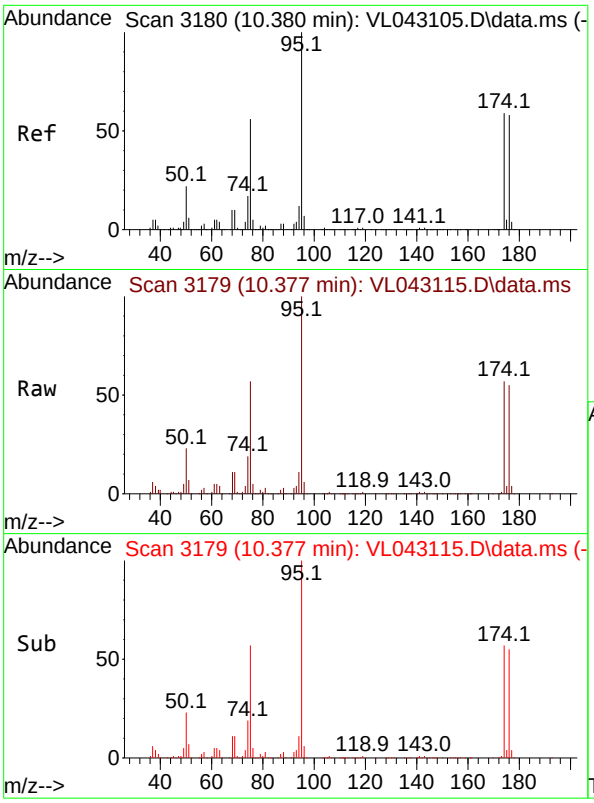


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion:117 Resp: 273385

Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.8	80.8
119	32.2	25.4	38.0



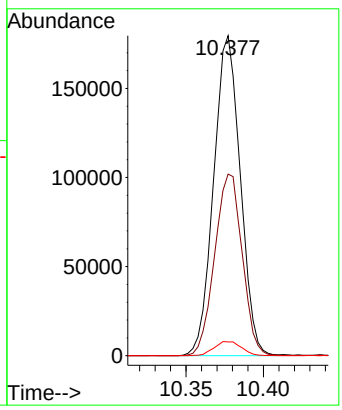


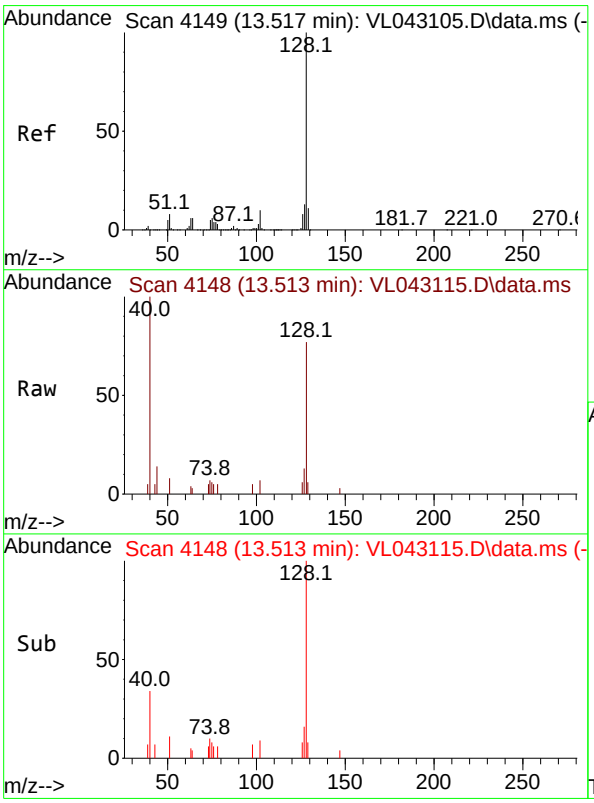
#68
1-Bromo-4-Fluorobenzene
Concen: 10.109 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Tgt Ion: 95 Resp: 214813

Ion	Ratio	Lower	Upper
95	100		
174	58.7	48.3	72.5
175	4.6	3.8	5.8

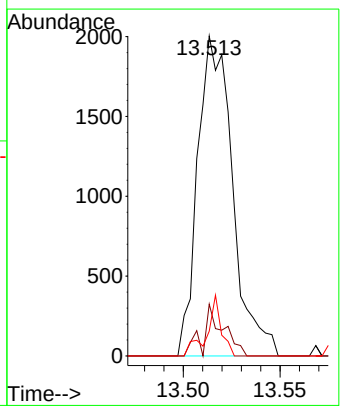


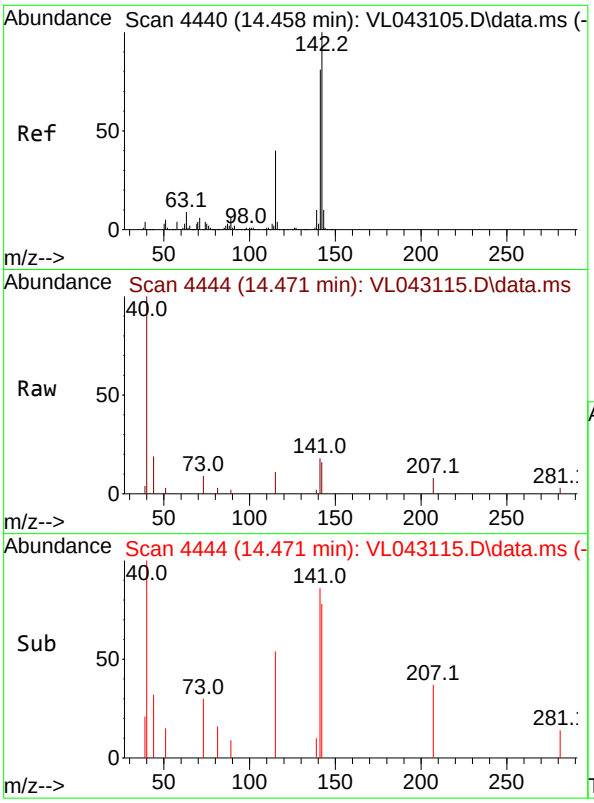


#79
Naphthalene
Concen: 0.057 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion:128 Resp: 2510

Ion	Ratio	Lower	Upper
128	100		
127	16.2	10.5	15.7#
129	7.7	9.1	13.7#





#80
Naphthalene,2-methyl-
Concen: 0.085 ppbv
RT: 14.471 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABL01

Tgt Ion:142 Resp: 973

Ion	Ratio	Lower	Upper
142	100		
141	102.6	64.6	97.0#
115	23.0	30.2	45.4#