Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
Data File : VL043125.D
Acq On : 16 Oct 2025 09:54
Operator : SY/MD
Sample : VL1016ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Quant Time: Oct 17 01:12:26 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	2.790	49	95388	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	298339	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	254156	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	205242	10.389	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%			
Target Compounds						Qvalue
13) Ethanol	1.729	45	284	0.118	ppbv	# 38
15) Acetone	1.839	43	1855	0.144	ppbv	# 62
19) Isopropyl Alcohol	1.894	45	412	0.051	ppbv	# 1
20) Methylene Chloride	2.065	84	1318	0.259	ppbv	93
30) Cyclohexane	3.955	84	500	0.039	ppbv	# 3
34) 2-Butanone	2.564	43	1121	0.056	ppbv	92
39) 1,2-Dichloropropane	3.959	63	75817	7.380	ppbv	# 27
79) Naphthalene	13.513	128	1297	0.032	ppbv	# 90
80) Naphthalene,2-methyl-	14.474	142	568	0.053	ppbv	# 91

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

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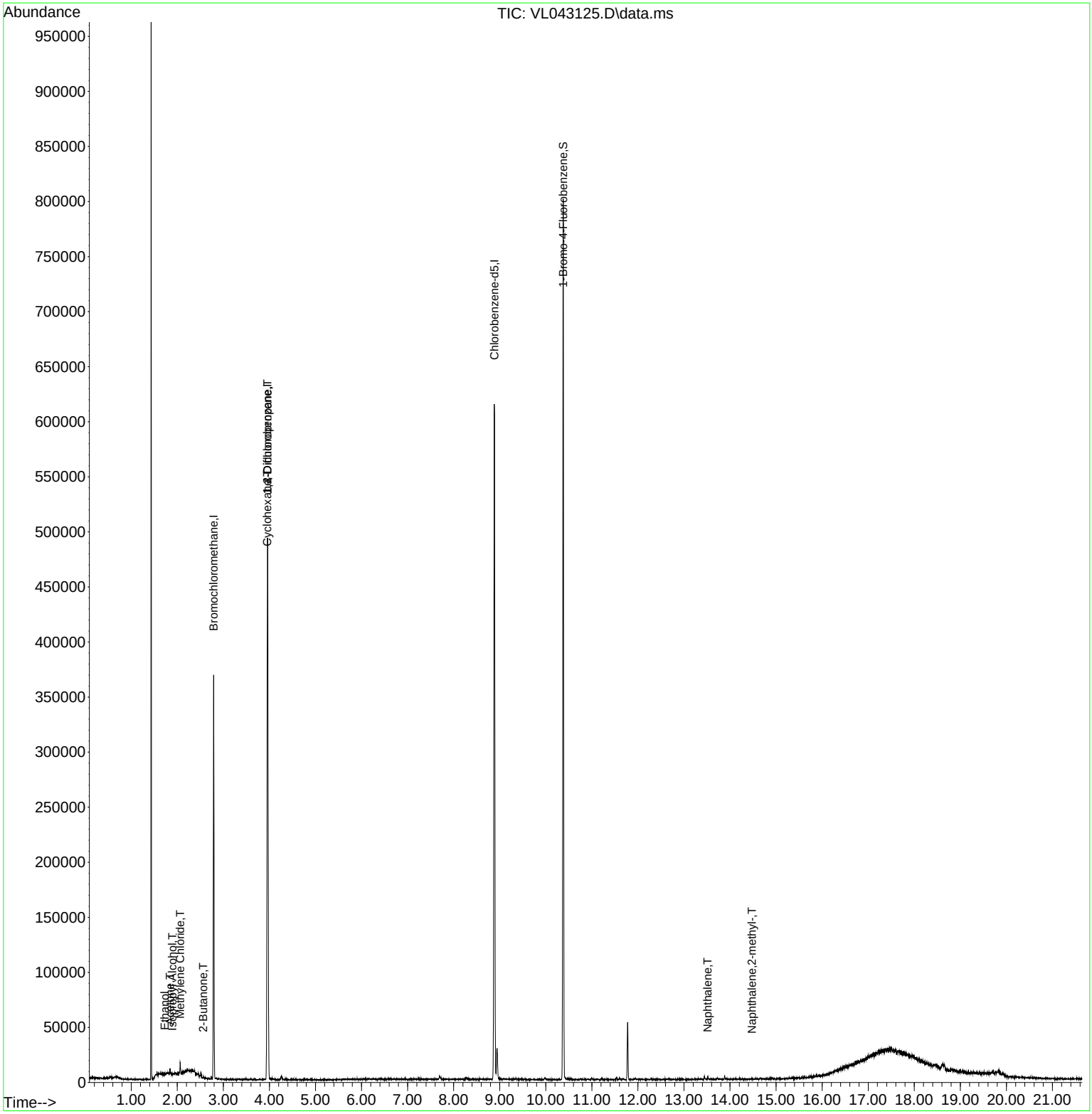
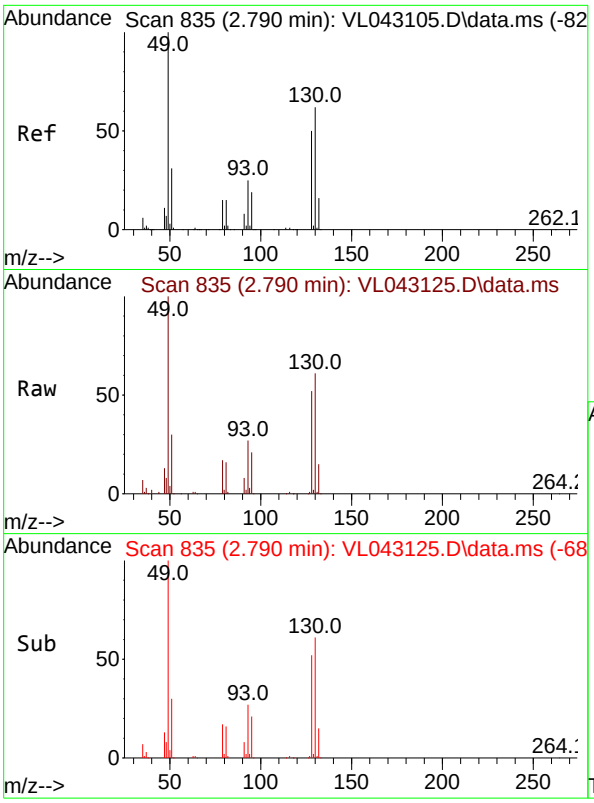


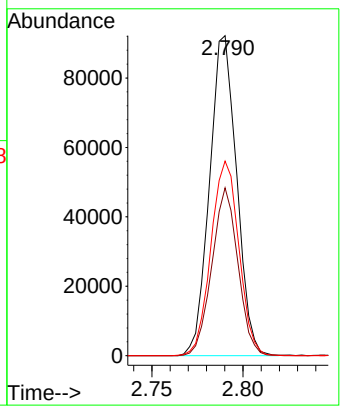


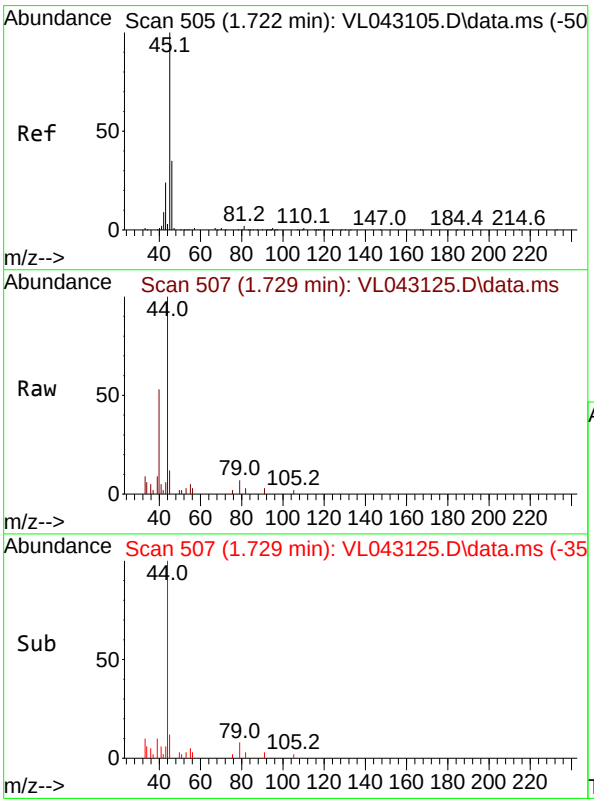
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion: 49 Resp: 95388

Ion	Ratio	Lower	Upper
49	100		
128	50.2	24.4	73.4
130	62.7	31.0	93.0

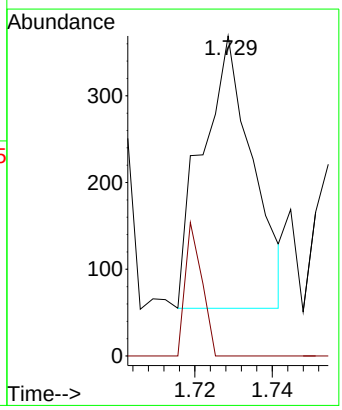


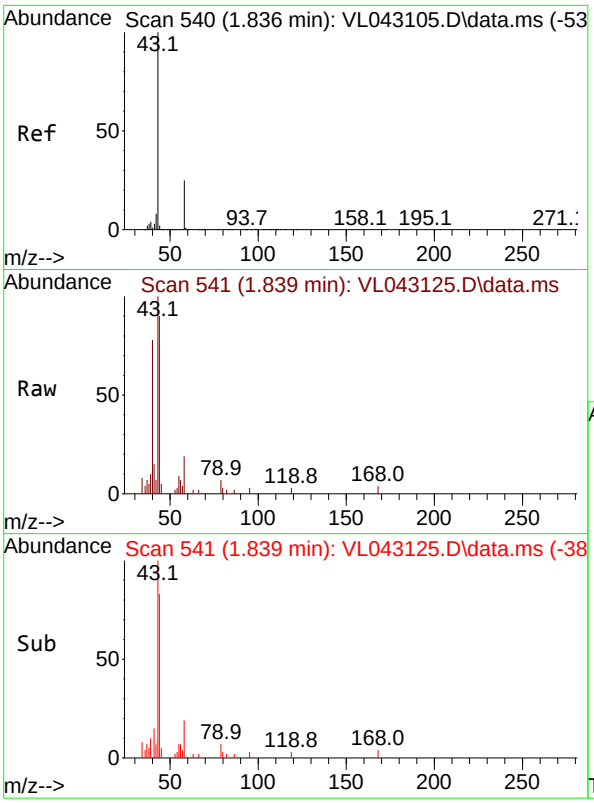


#13
Ethanol
Concen: 0.118 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Tgt Ion: 45 Resp: 284

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#



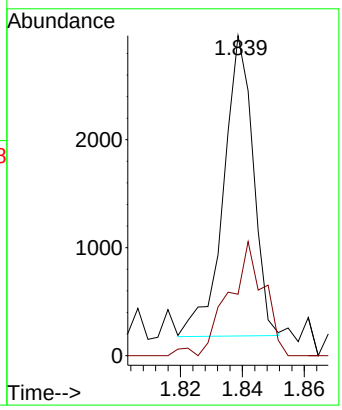


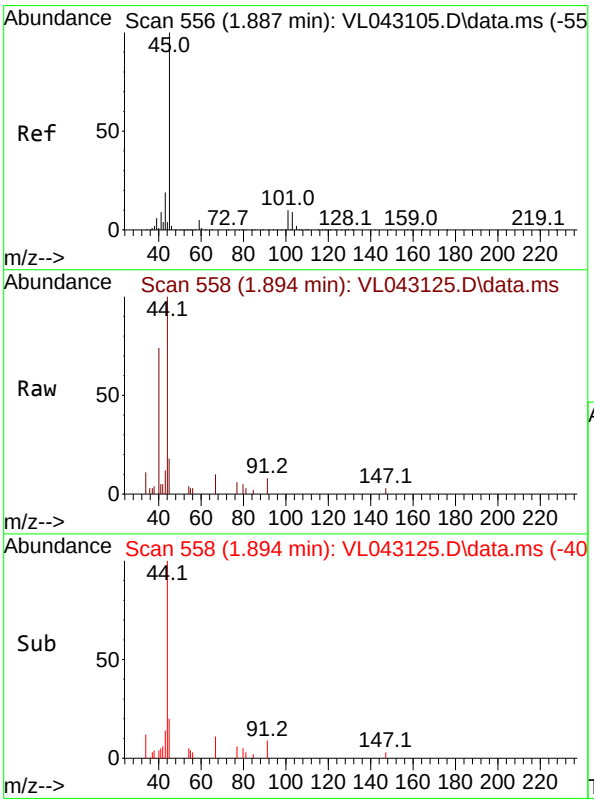
#15
Acetone
Concen: 0.144 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion: 43 Resp: 1855

Ion	Ratio	Lower	Upper
43	100		
58	45.2	20.8	31.2#

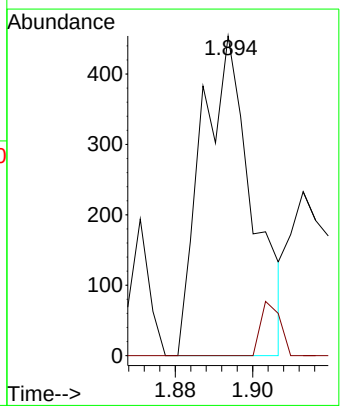


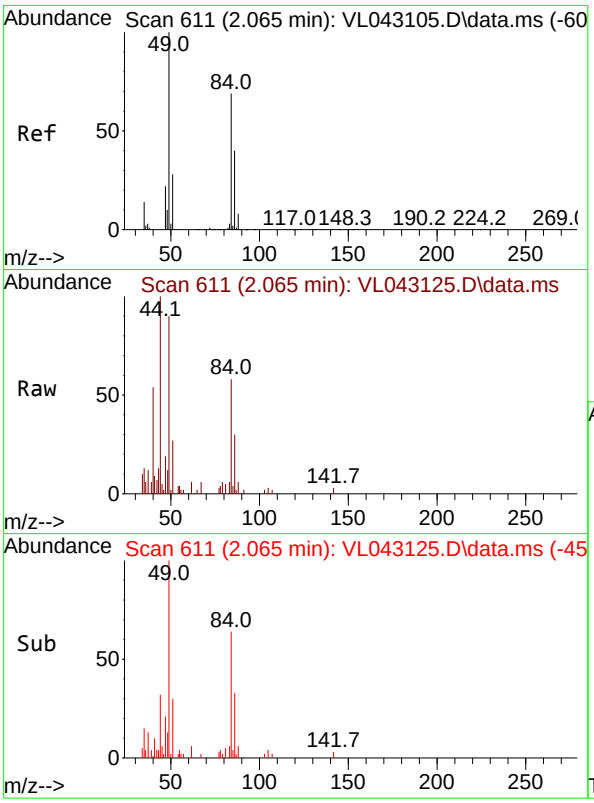


#19
Isopropyl Alcohol
Concen: 0.051 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.006 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Tgt Ion: 45 Resp: 412

Ion	Ratio	Lower	Upper
45	100		
58	203.4	31.3	46.9#



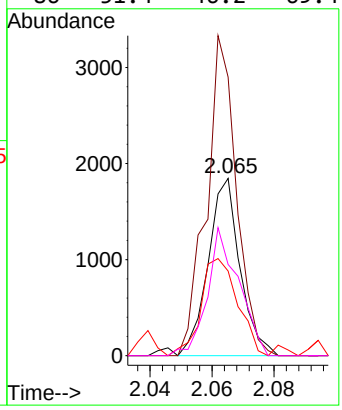


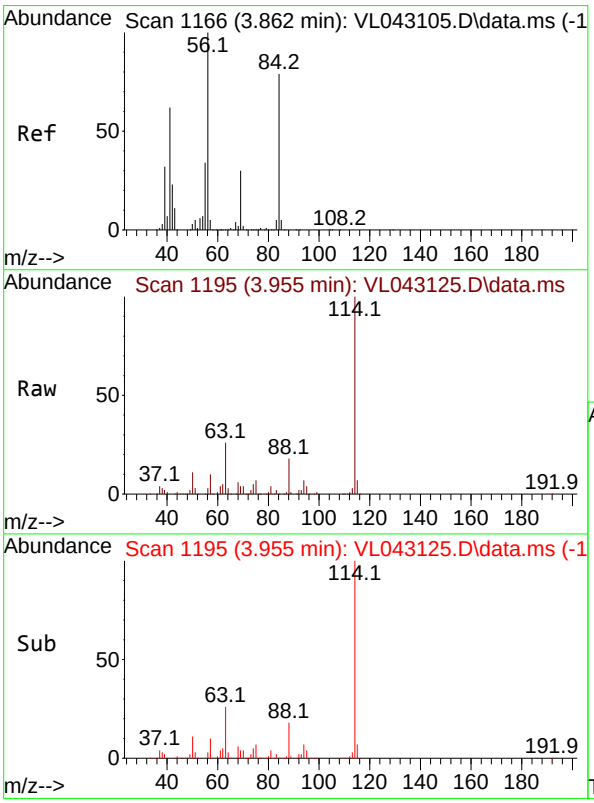
#20
Methylene Chloride
Concen: 0.259 ppbv
RT: 2.065 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion: 84 Resp: 1318

Ion	Ratio	Lower	Upper
84	100		
49	157.1	116.6	175.0
51	43.8	34.8	52.2
86	51.4	46.2	69.4

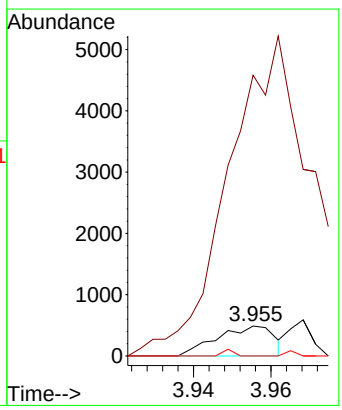


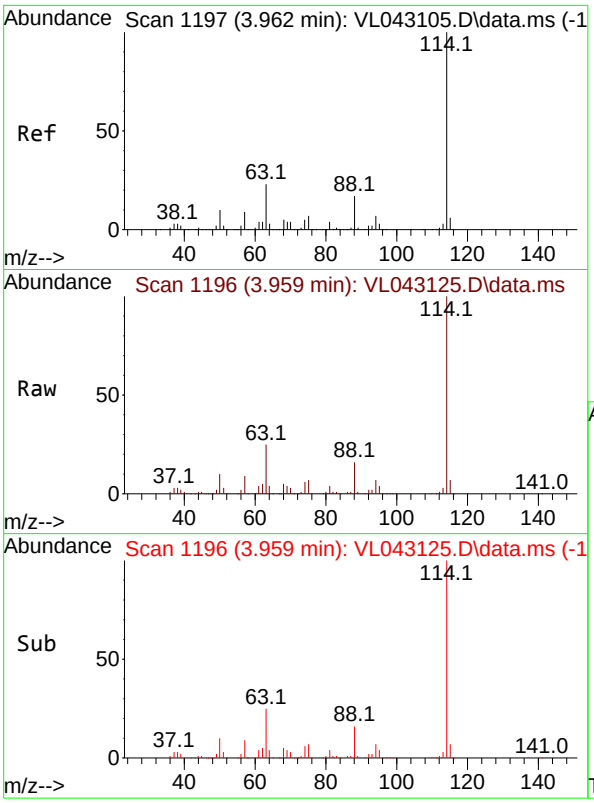


#30
Cyclohexane
Concen: 0.039 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.094 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Tgt Ion: 84 Resp: 500

Ion	Ratio	Lower	Upper
84	100		
56	0.0	100.9	151.3#
41	11.8	63.8	95.6#



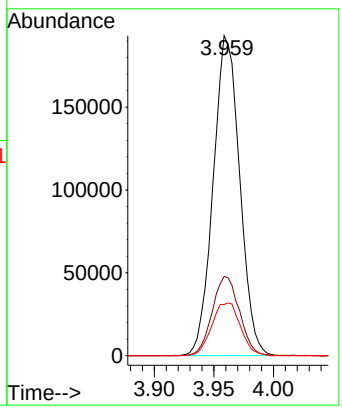


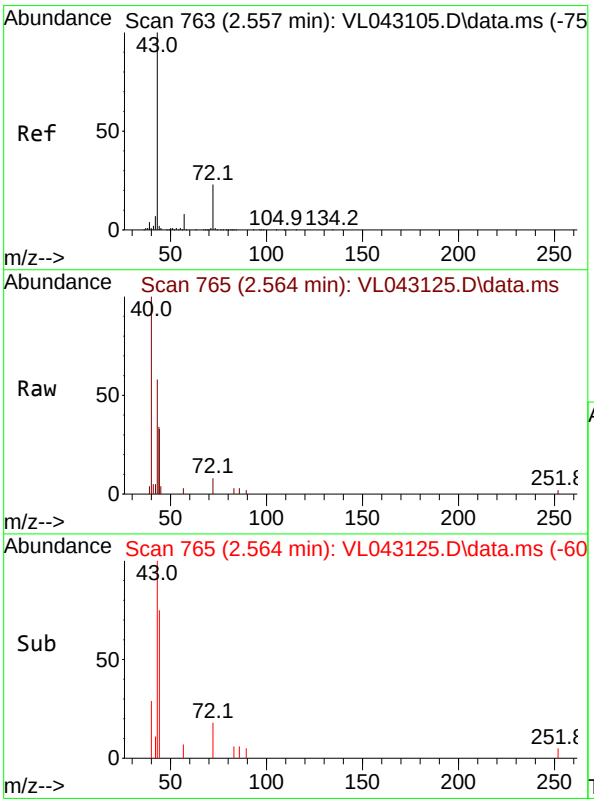
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion:114 Resp: 298339

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.3	28.9
88	17.9	13.9	20.9

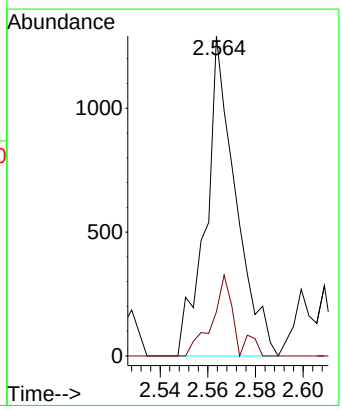


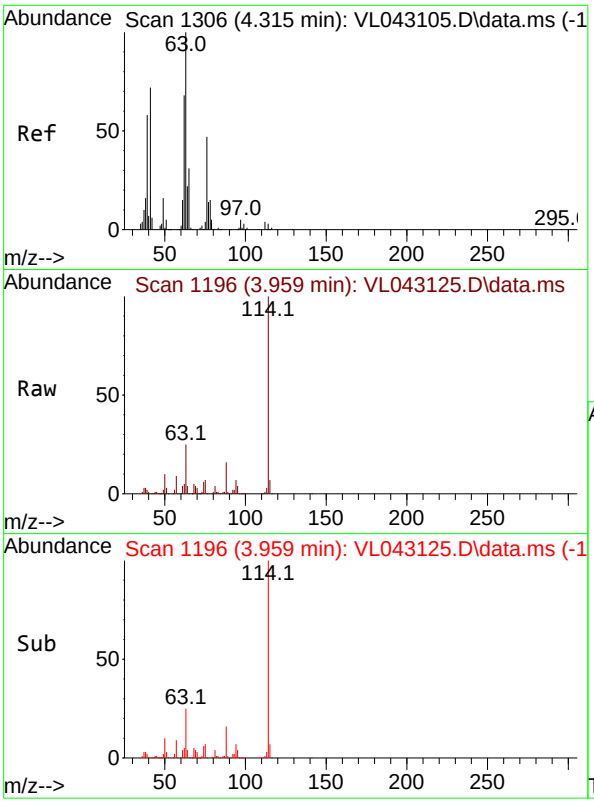


#34
2-Butanone
Concen: 0.056 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Tgt Ion: 43 Resp: 1121

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6



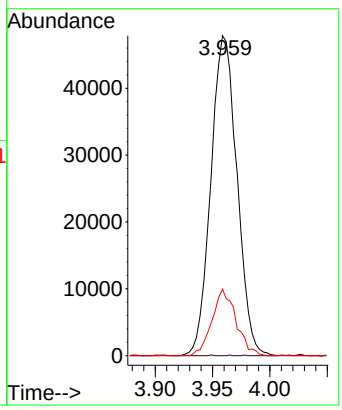


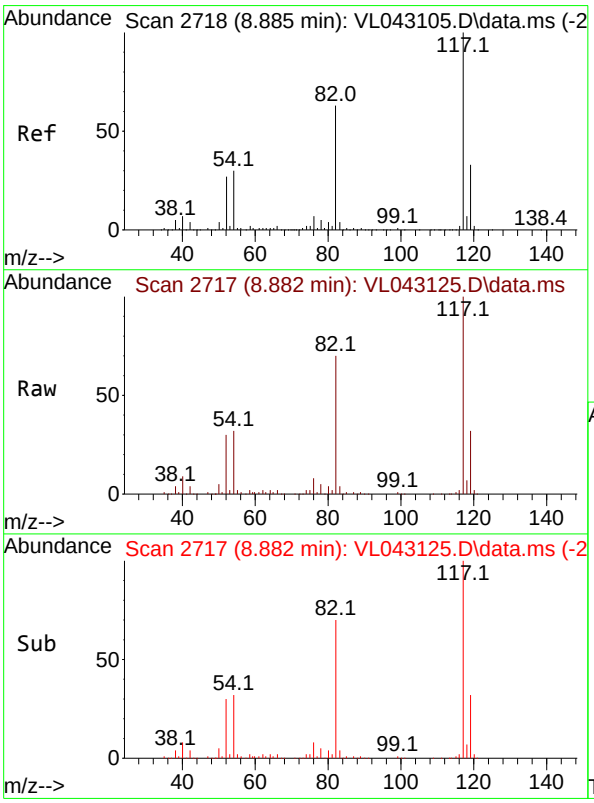
#39
1,2-Dichloropropane
Concen: 7.380 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.356 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion: 63 Resp: 75817

Ion	Ratio	Lower	Upper
63	100		
41	0.1	58.0	87.0#
62	20.8	54.7	82.1#

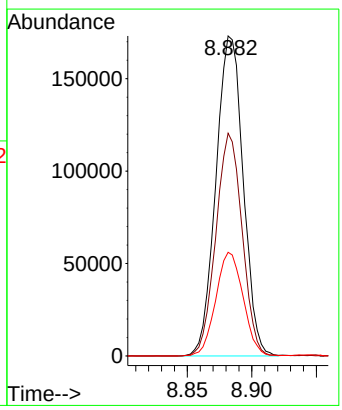


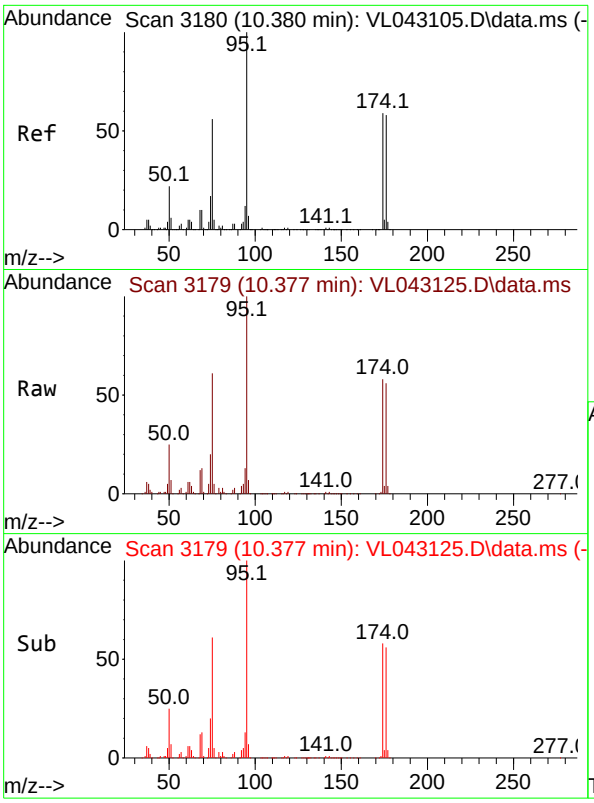


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.003 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Tgt Ion:117 Resp: 254156

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.8	80.8
119	32.5	25.4	38.0



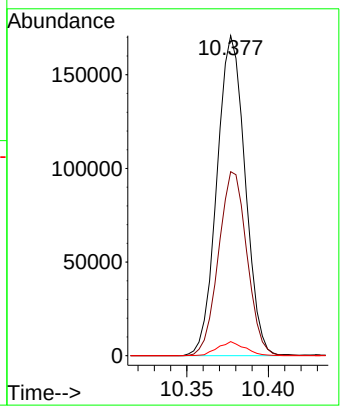


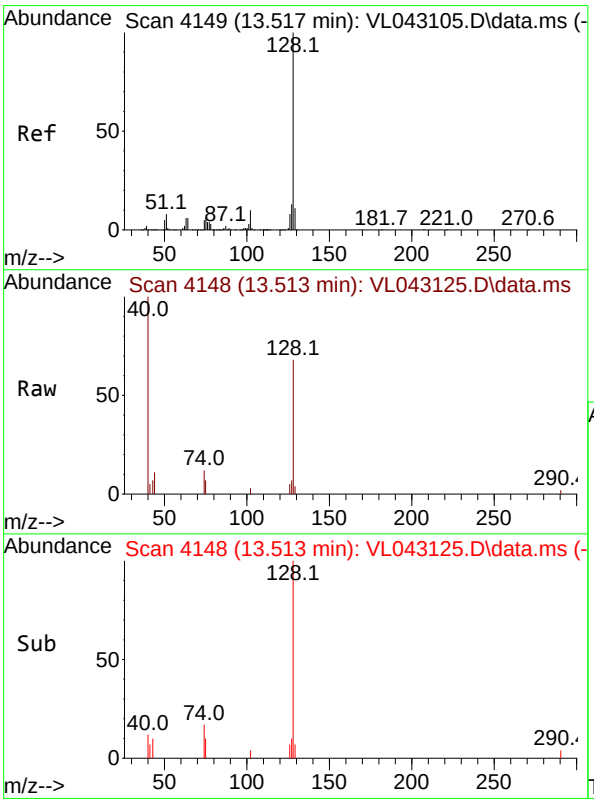
#68
1-Bromo-4-Fluorobenzene
Concen: 10.389 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion: 95 Resp: 205242

Ion	Ratio	Lower	Upper
95	100		
174	58.1	48.3	72.5
175	4.3	3.8	5.8

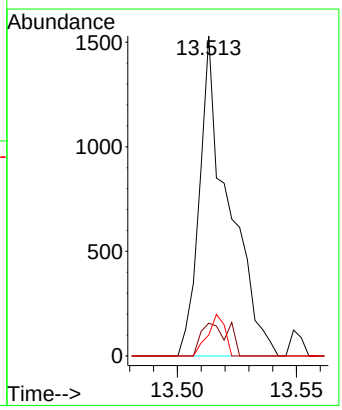


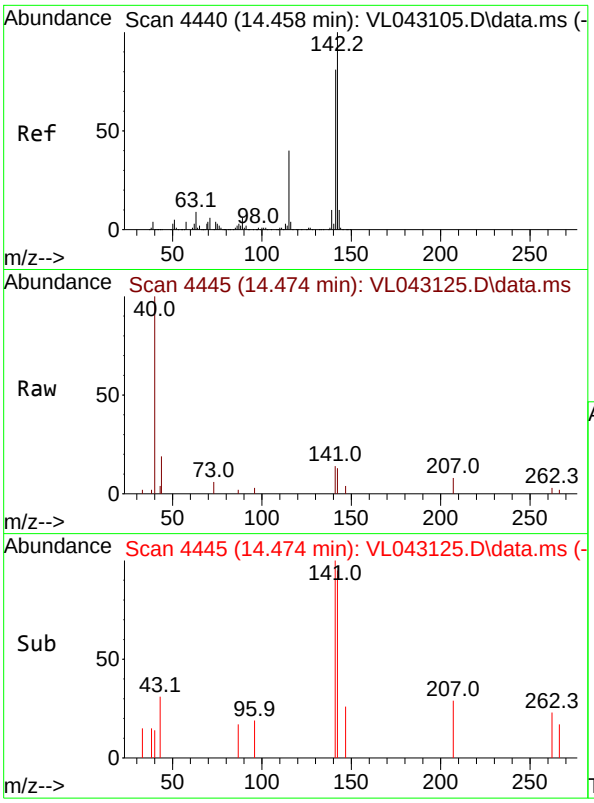


#79
Naphthalene
Concen: 0.032 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Tgt Ion:128 Resp: 1297

Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.5	15.7#
129	6.5	9.1	13.7#





#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 14.474 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL043125.D
Acq: 16 Oct 2025 09:54

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tgt Ion:142 Resp: 568

Ion	Ratio	Lower	Upper
142	100		
141	77.6	64.6	97.0
115	24.5	30.2	45.4#