Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
Data File : VL043192.D
Acq On : 13 Nov 2025 09:47
Operator : SY/MD
Sample : VL1113ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Quant Time: Nov 14 04:36:21 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	2.794	49	136642	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	369240	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	306160	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	228486	9.601	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.000%			
Target Compounds						Qvalue
13) Ethanol	1.894	45	424	0.123	ppbv #	38
15) Acetone	1.845	43	3570	0.194	ppbv #	78
16) 1,3-Butadiene	1.609	39	322	0.037	ppbv #	34
19) Isopropyl Alcohol	1.894	45	424	0.037	ppbv #	1
20) Methylene Chloride	2.069	84	1850	0.254	ppbv #	80
23) Vinyl Acetate	2.457	43	857	0.032	ppbv #	35
34) 2-Butanone	2.570	43	1636	0.066	ppbv	91
39) 1,2-Dichloropropane	3.968	63	94914	7.465	ppbv #	25

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

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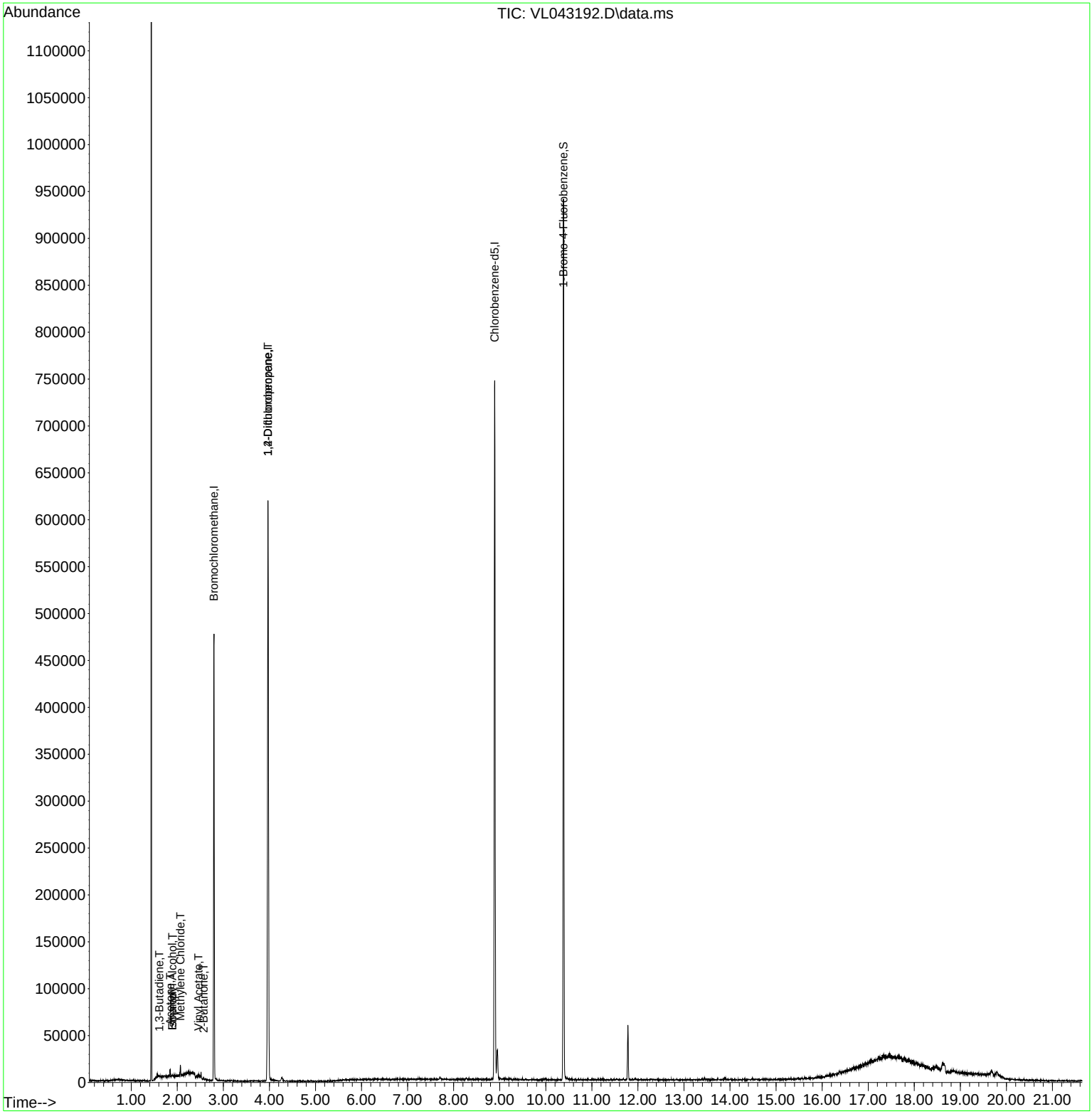
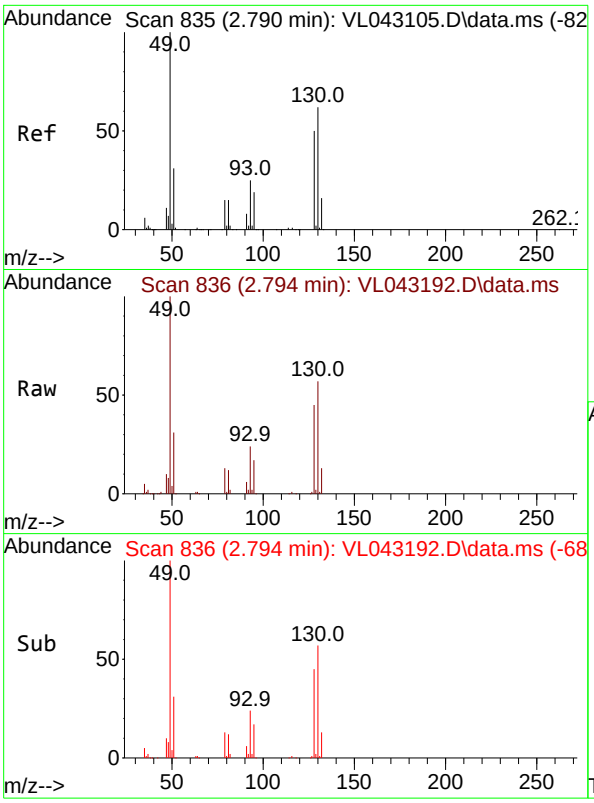


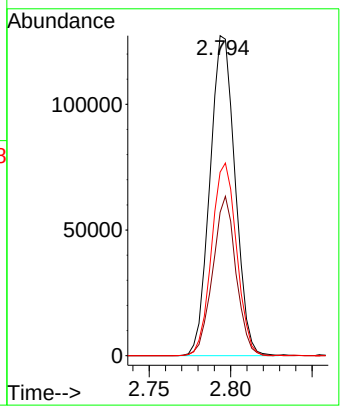


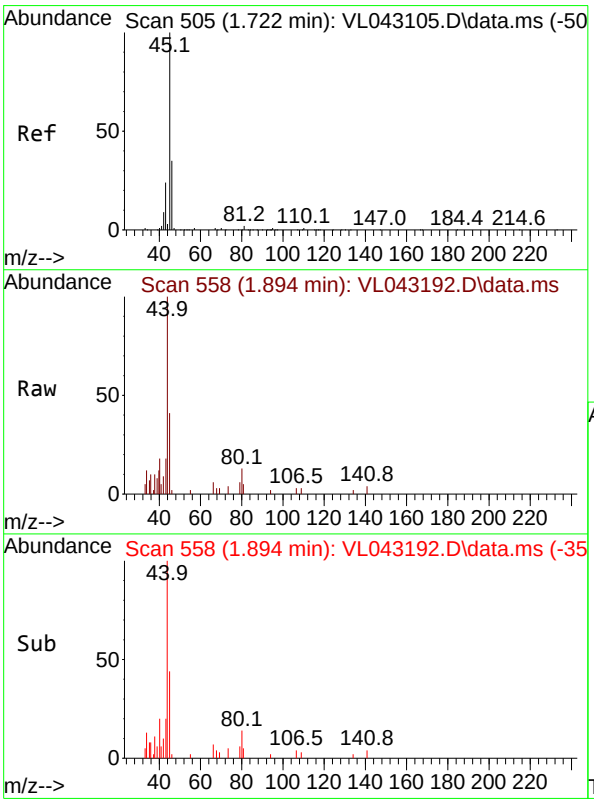
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Tgt Ion: 49 Resp: 136642

Ion	Ratio	Lower	Upper
49	100		
128	46.0	24.4	73.4
130	59.7	31.0	93.0

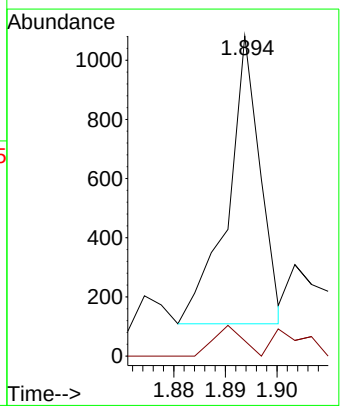


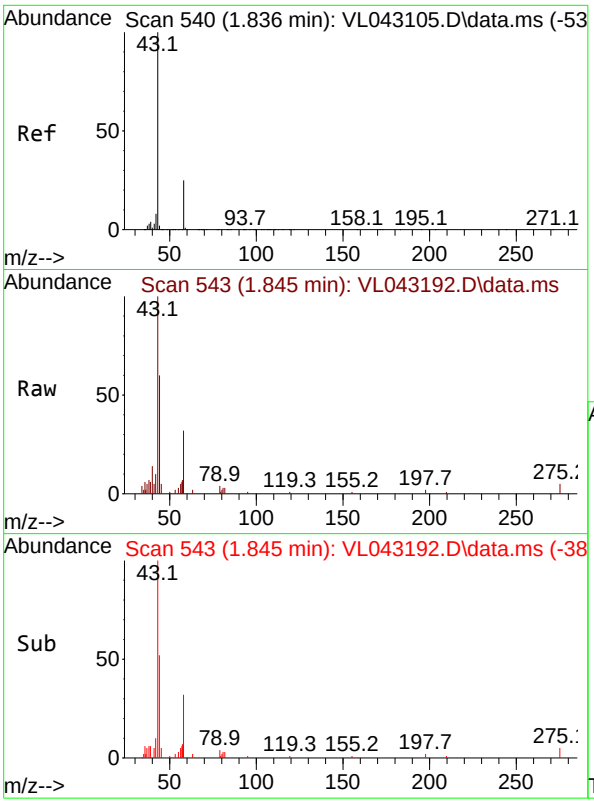


#13
Ethanol
Concen: 0.123 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.171 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion: 45 Resp: 424

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#



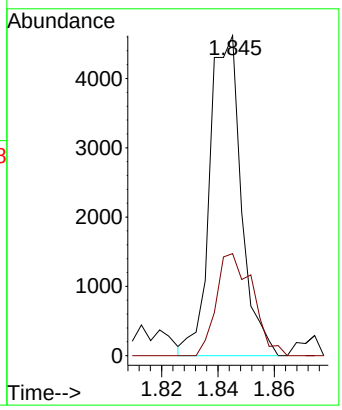


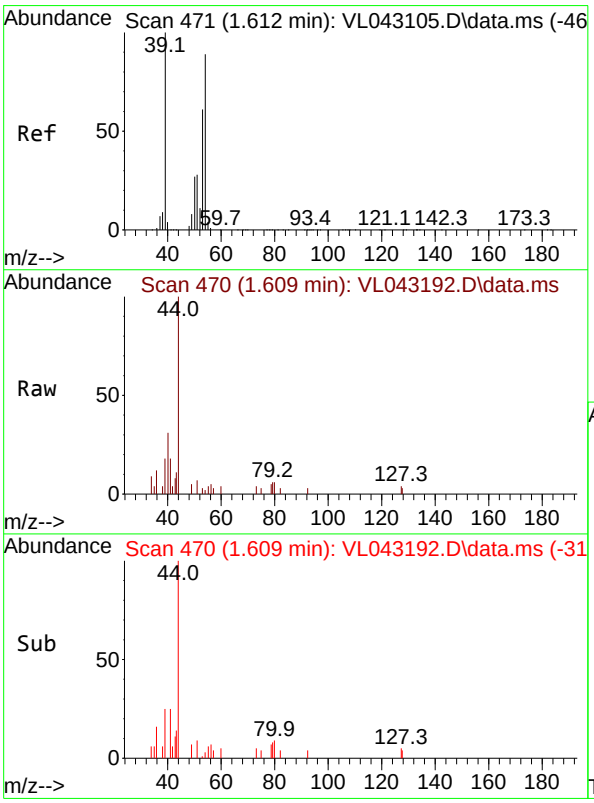
#15
Acetone
Concen: 0.194 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Tgt Ion: 43 Resp: 3570

Ion	Ratio	Lower	Upper
43	100		
58	37.1	20.8	31.2#

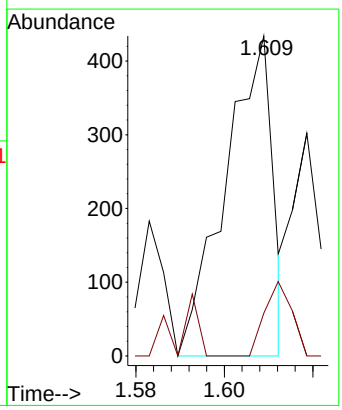


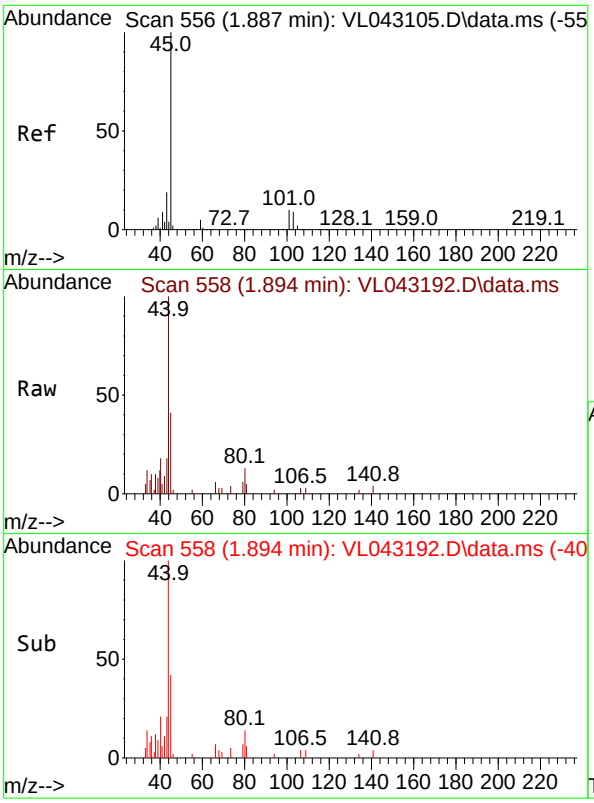


#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion: 39 Resp: 322

Ion	Ratio	Lower	Upper
39	100		
54	18.3	59.0	88.4#



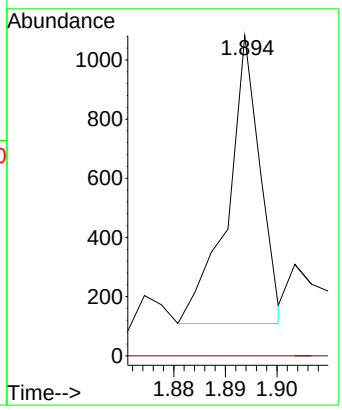


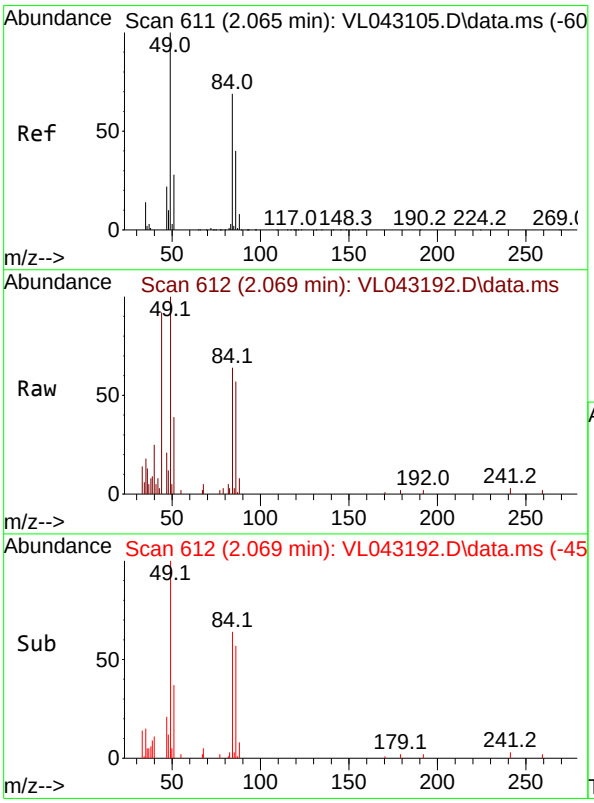
#19
Isopropyl Alcohol
Concen: 0.037 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Tgt Ion: 45 Resp: 424

Ion	Ratio	Lower	Upper
45	100		
58	312.5	31.3	46.9#

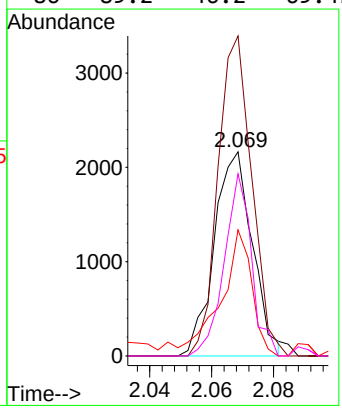


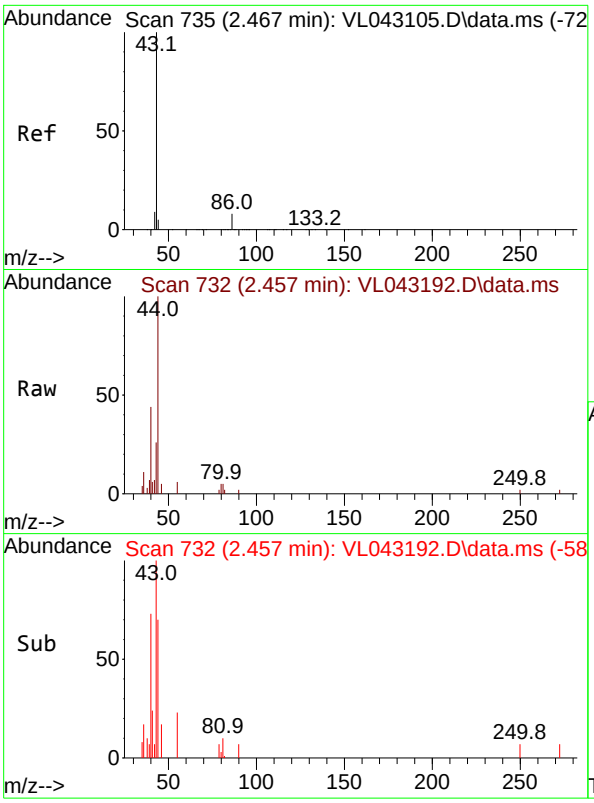


#20
Methylene Chloride
Concen: 0.254 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion: 84 Resp: 1850

Ion	Ratio	Lower	Upper
84	100		
49	156.7	116.6	175.0
51	61.7	34.8	52.2#
86	89.2	46.2	69.4#



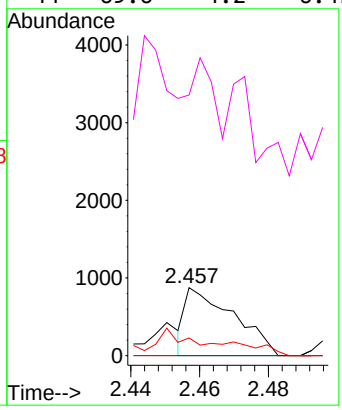


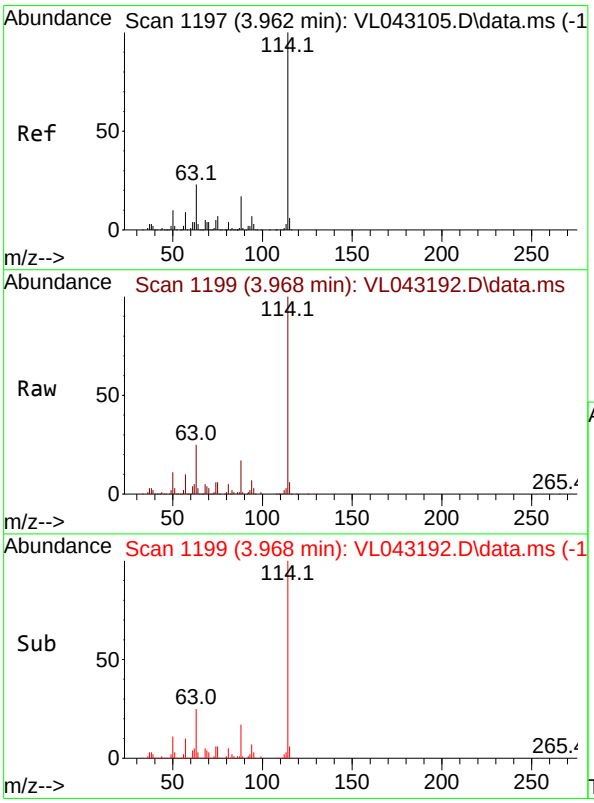
#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Tgt Ion: 43 Resp: 857

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	20.0	7.6	11.4#
44	69.6	4.2	6.4#

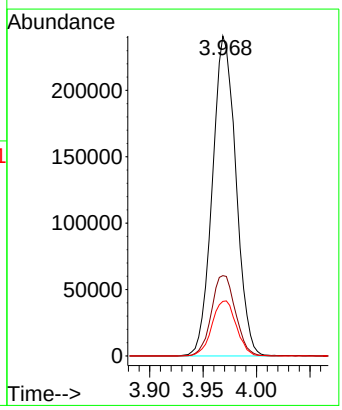


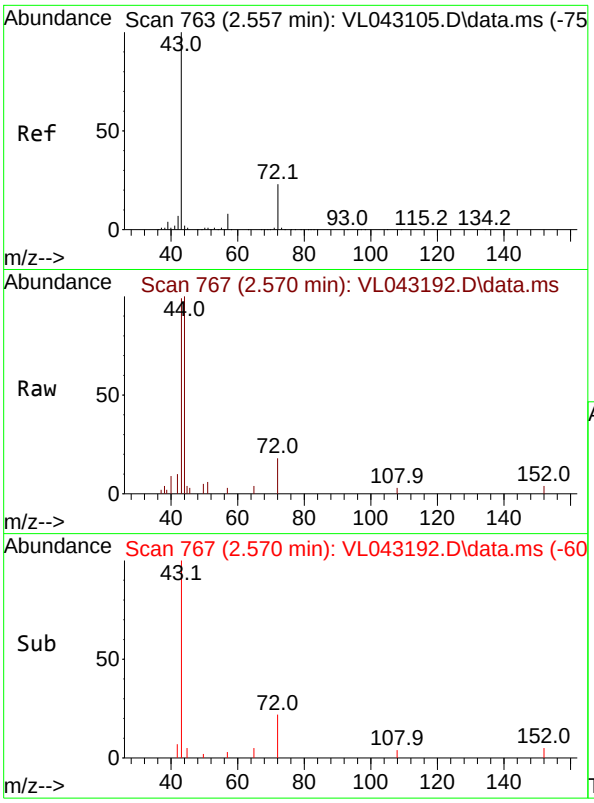


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion:114 Resp: 369240

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	17.8	13.9	20.9



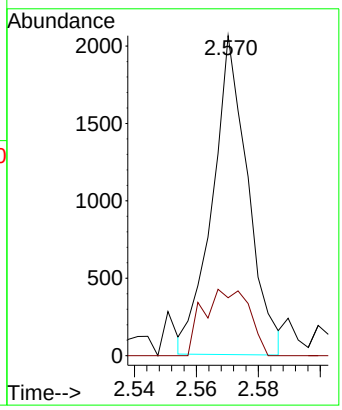


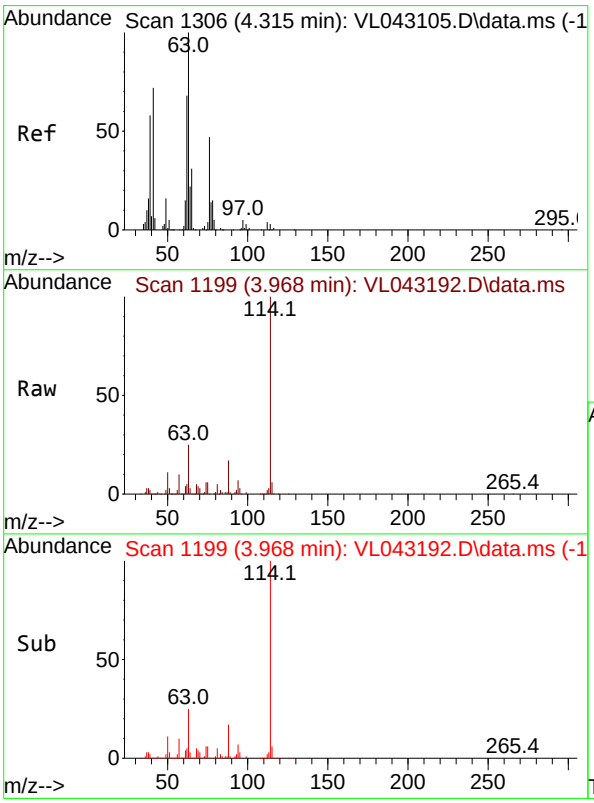
#34
2-Butanone
Concen: 0.066 ppbv
RT: 2.570 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Tgt Ion: 43 Resp: 1636

Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.4	27.6

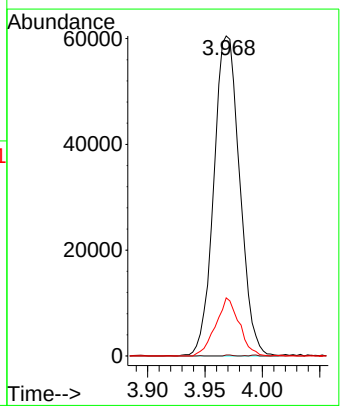


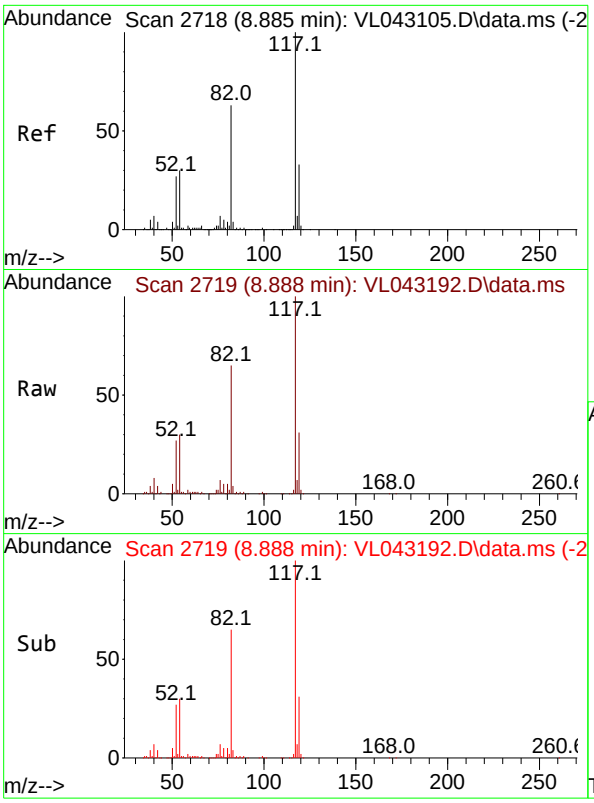


#39
1,2-Dichloropropane
Concen: 7.465 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.346 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion: 63 Resp: 94914

Ion	Ratio	Lower	Upper
63	100		
41	0.3	58.0	87.0#
62	18.1	54.7	82.1#



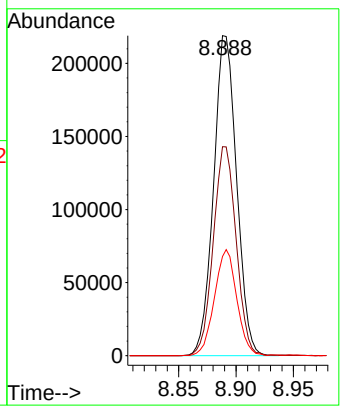


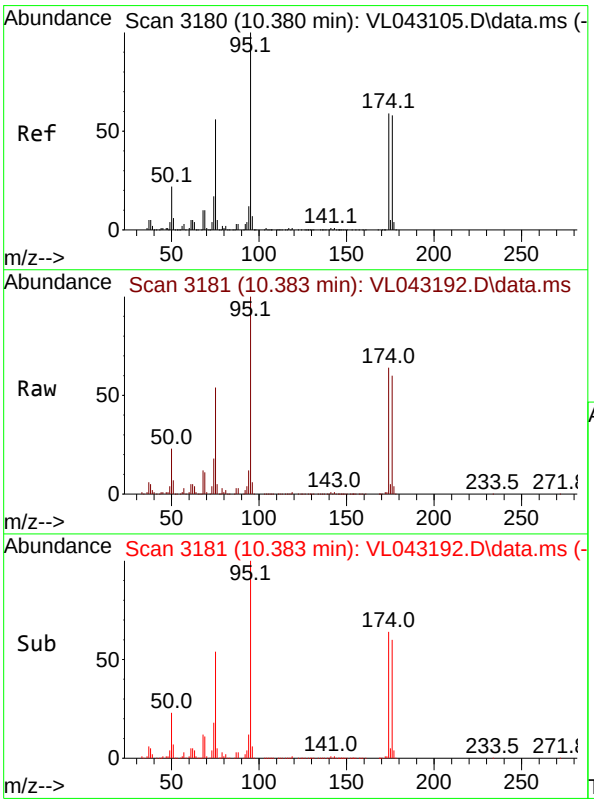
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABL01

Tgt Ion:117 Resp: 306160

Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.8	80.8
119	32.4	25.4	38.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.601 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL043192.D
Acq: 13 Nov 2025 09:47

Tgt Ion: 95 Resp: 228486

Ion	Ratio	Lower	Upper
95	100		
174	64.4	48.3	72.5
175	4.7	3.8	5.8