Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043295.D
Acq On : 02 Dec 2025 12:53
Operator : SY/MD
Sample : QC112525 CAN 10597
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Quant Time: Dec 03 00:05:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

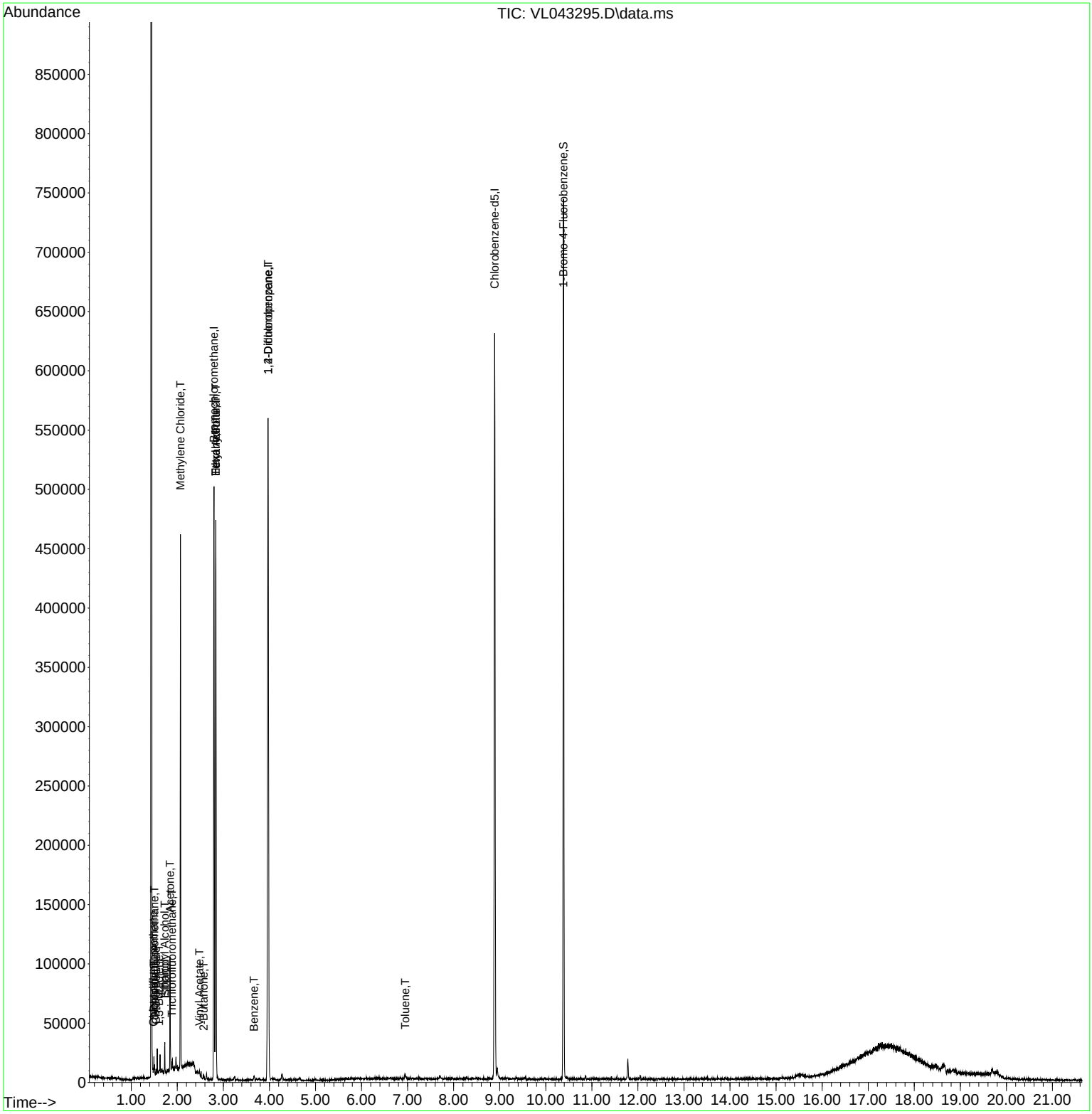
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	131086	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.972	114	334652	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	256513	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	177251	9.427	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	1975	0.107	ppbv #	82
3) Chlorodifluoromethane	1.479	51	2877	0.158	ppbv #	78
4) Chloromethane	1.538	50	840	0.122	ppbv #	63
9) Propene	1.492	41	1894	0.245	ppbv #	1
11) Trichlorofluoromethane	1.884	101	1124	0.063	ppbv #	82
13) Ethanol	1.729	45	8254	3.040	ppbv #	38
15) Acetone	1.842	43	40384	2.217	ppbv	99
16) 1,3-Butadiene	1.606	39	510	0.063	ppbv #	12
19) Isopropyl Alcohol	1.729	45	8254	0.802	ppbv #	50
20) Methylene Chloride	2.068	84	64219	12.134	ppbv	96
23) Vinyl Acetate	2.479	43	1292	0.059	ppbv #	8
25) Ethyl Acetate	2.836	43	77253	1.967	ppbv #	77
26) Hexane	2.836	57	112069	6.508	ppbv #	41
34) 2-Butanone	2.573	43	1892	0.080	ppbv #	86
36) Benzene	3.667	78	1298	0.041	ppbv #	90
39) 1,2-Dichloropropane	3.972	63	84414	7.197	ppbv #	24
41) Tetrahydrofuran	2.836	42	41012	3.144	ppbv #	50
53) Toluene	6.949	91	1505	0.040	ppbv #	21

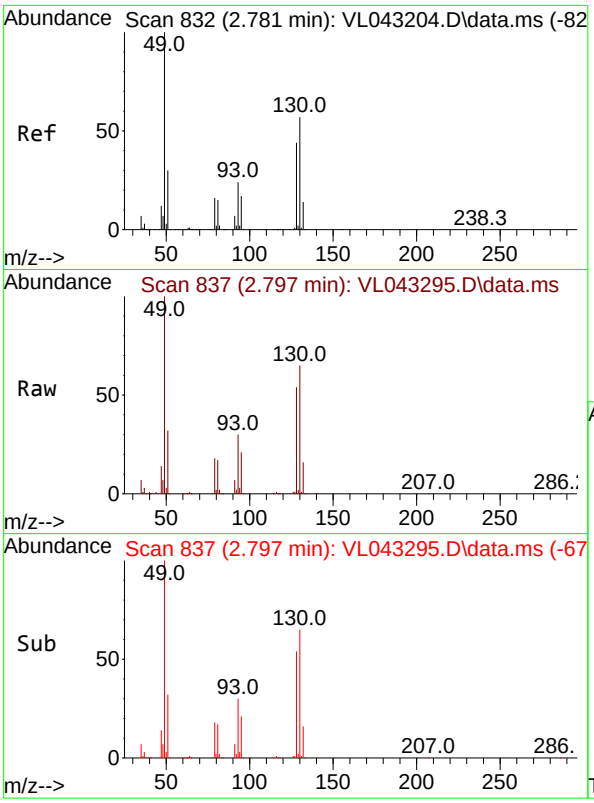
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043295.D
Acq On : 02 Dec 2025 12:53
Operator : SY/MD
Sample : QC112525 CAN 10597
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Quant Time: Dec 03 00:05:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



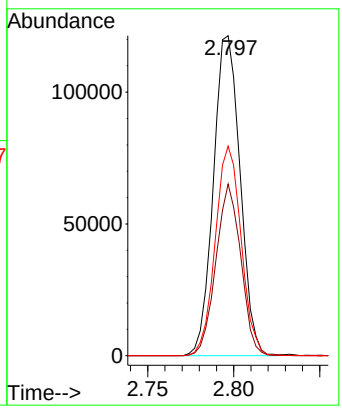


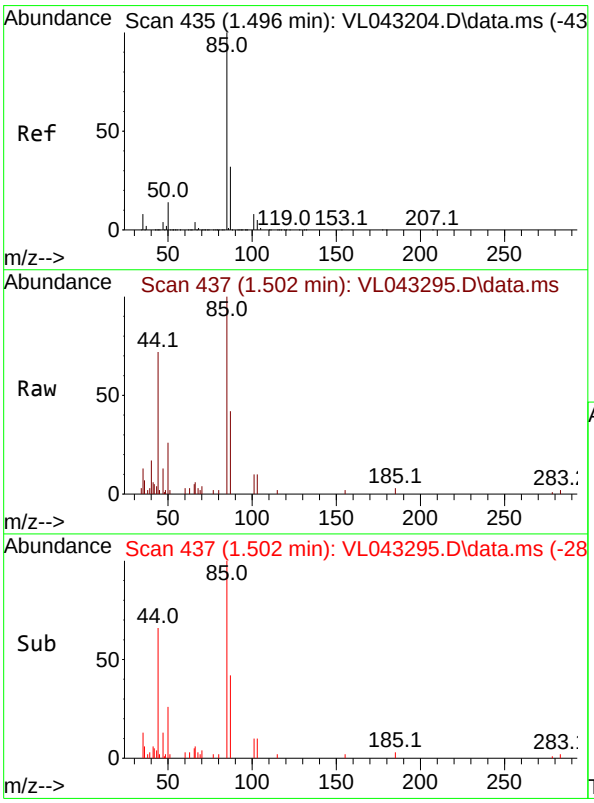
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 49 Resp: 131086

Ion	Ratio	Lower	Upper
49	100		
128	49.9	23.0	69.0
130	63.4	29.9	89.7

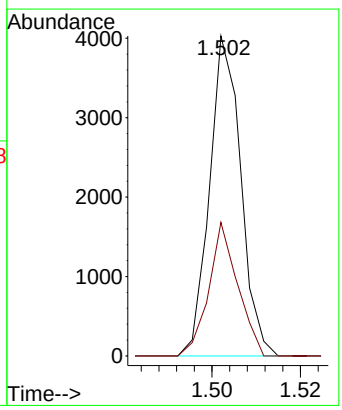


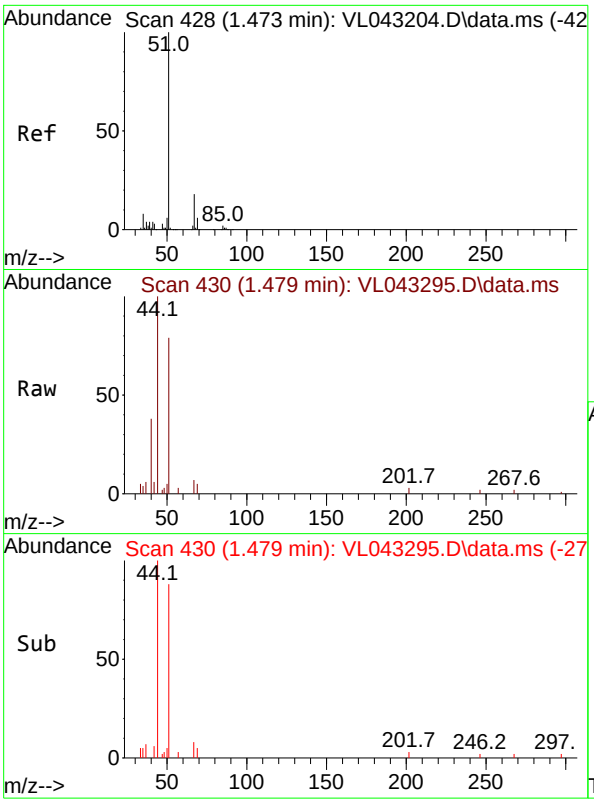


#2
Dichlorodifluoromethane
Concen: 0.107 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 85 Resp: 1975

Ion	Ratio	Lower	Upper
85	100		
87	41.7	25.4	38.2#



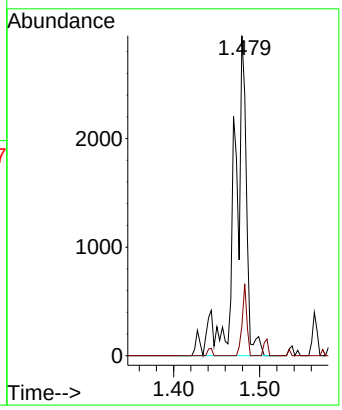


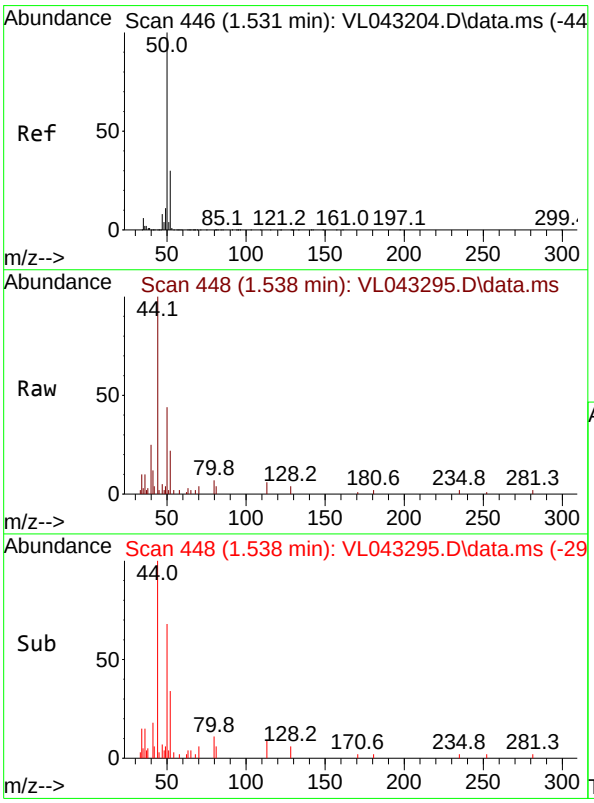
#3
Chlorodifluoromethane
Concen: 0.158 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 51 Resp: 2877

Ion	Ratio	Lower	Upper
51	100		
67	8.6	14.9	22.3#

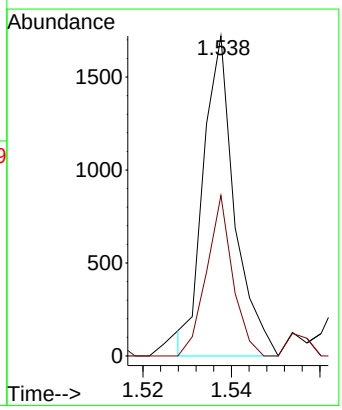


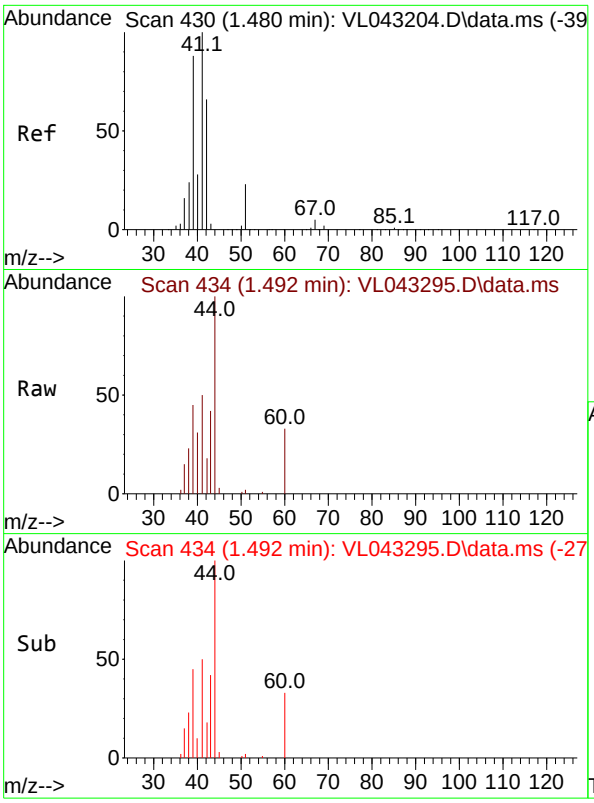


#4
Chloromethane
Concen: 0.122 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 50 Resp: 840

Ion	Ratio	Lower	Upper
50	100		
52	50.1	24.1	36.1#



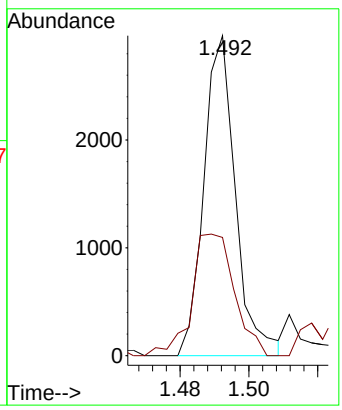


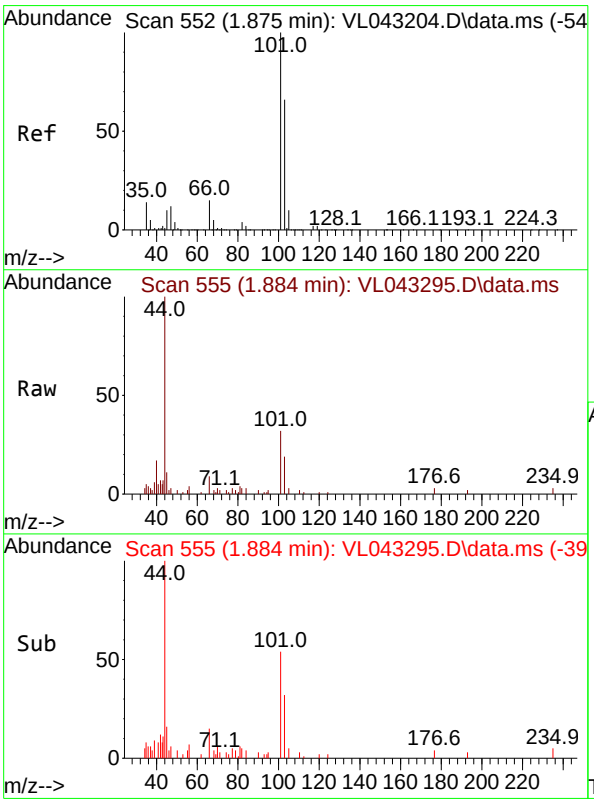
#9
Propene
Concen: 0.245 ppbv
RT: 1.492 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 41 Resp: 1894

Ion	Ratio	Lower	Upper
41	100		
42	52.3	3.7	5.5#

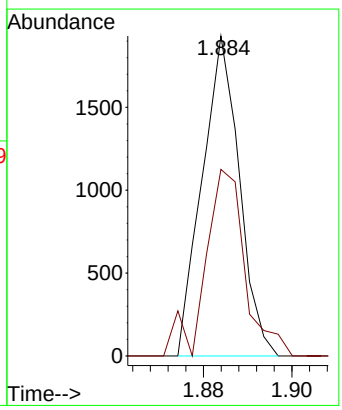


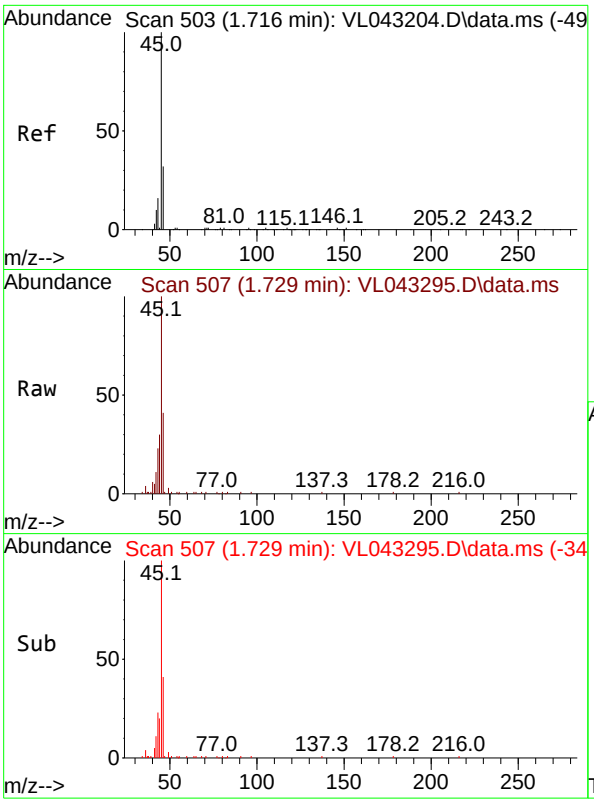


#11
Trichlorofluoromethane
Concen: 0.063 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.009 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion:101 Resp: 1124

Ion	Ratio	Lower	Upper
101	100		
103	51.5	52.6	79.0#



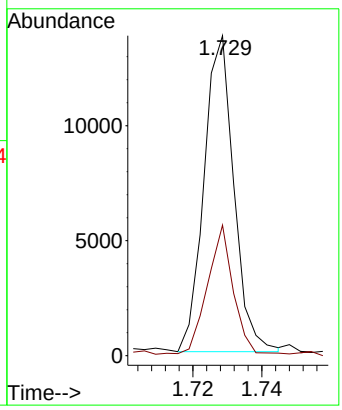


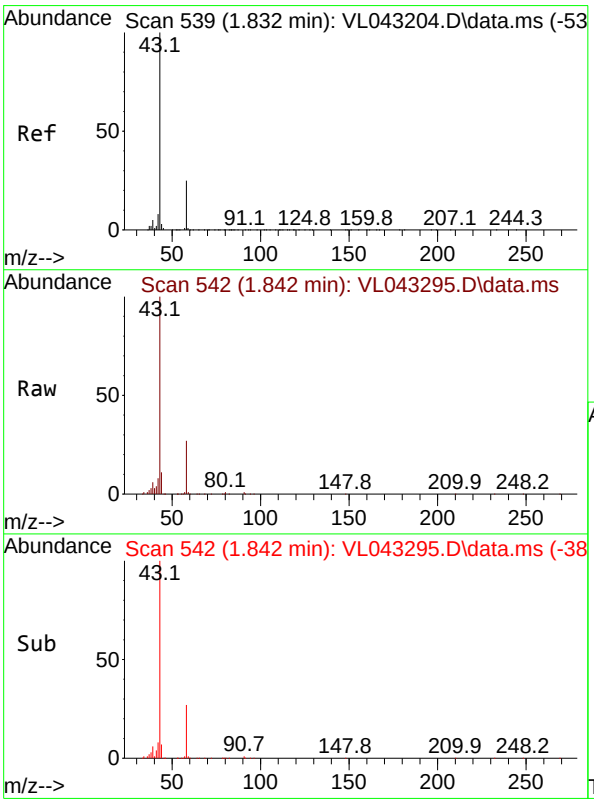
#13
Ethanol
Concen: 3.040 ppbv
RT: 1.729 min Scan# 5(
Delta R.T. 0.013 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 45 Resp: 8254

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#

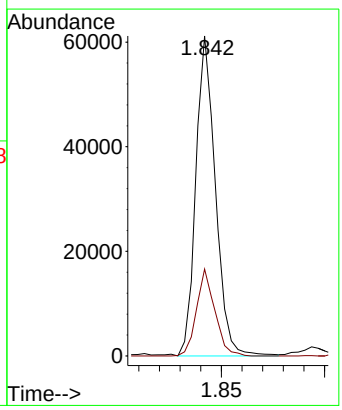


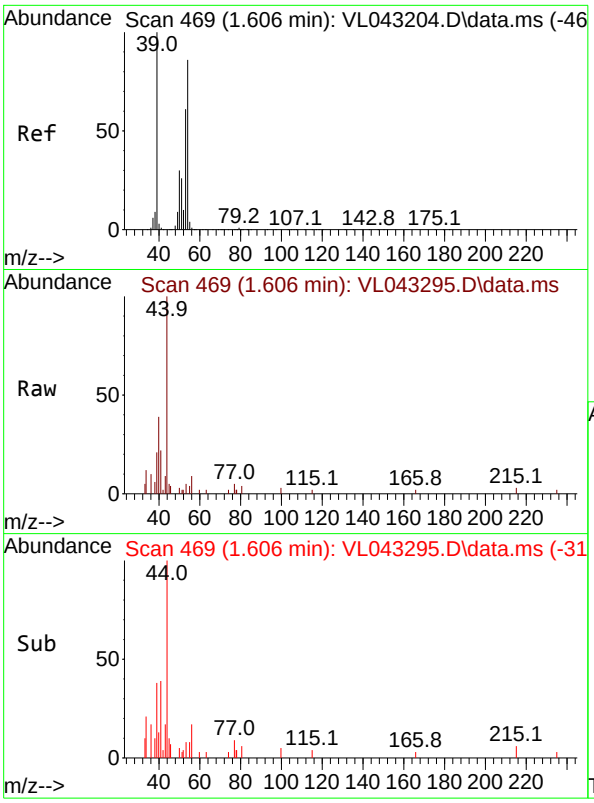


#15
Acetone
Concen: 2.217 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.009 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 43 Resp: 40384

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.7	31.1



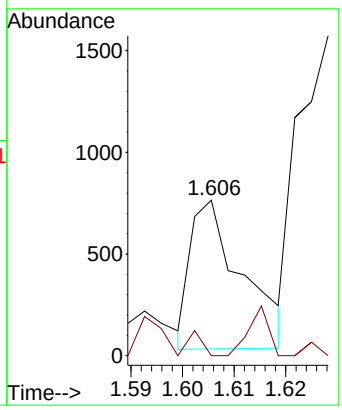


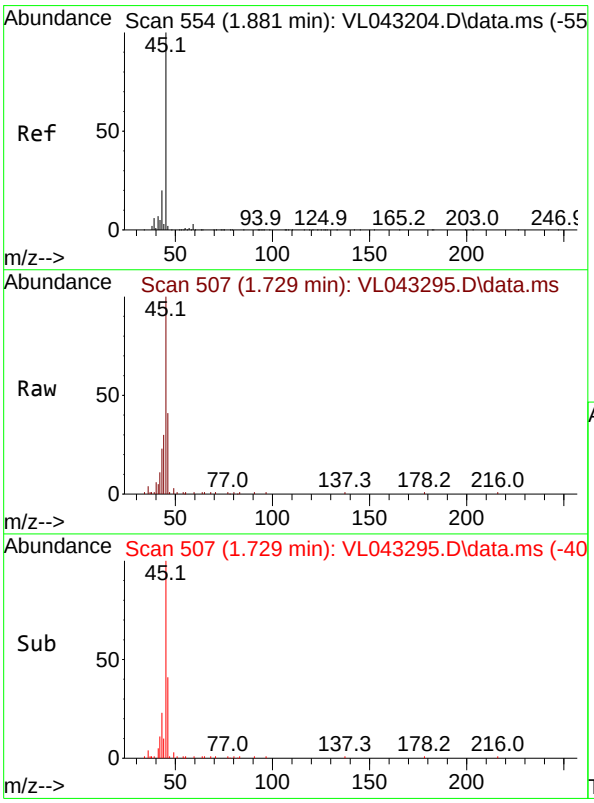
#16
1,3-Butadiene
Concen: 0.063 ppbv
RT: 1.606 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 39 Resp: 510

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#

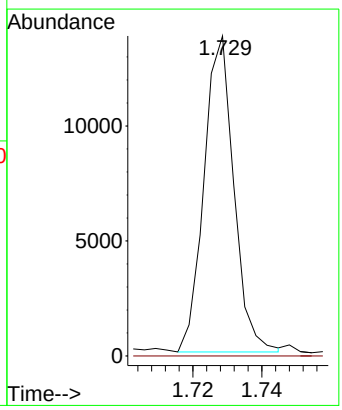


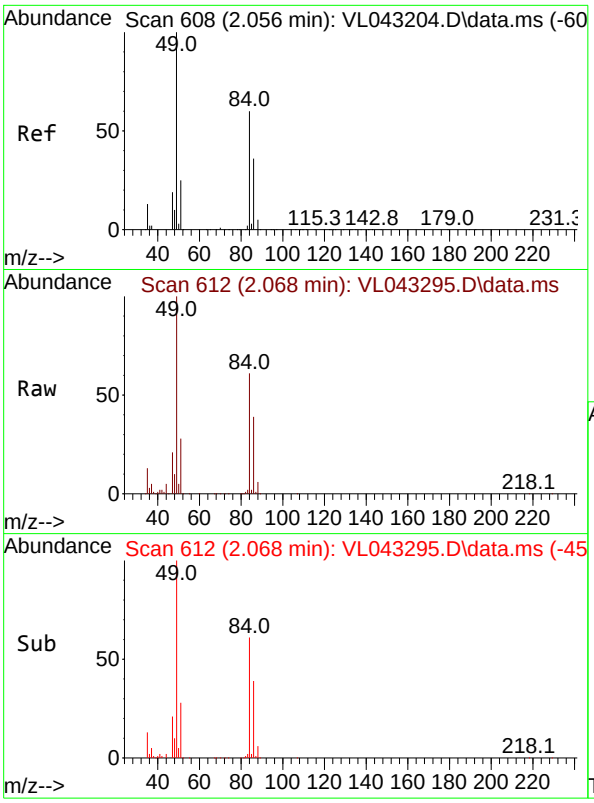


#19
Isopropyl Alcohol
Concen: 0.802 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.152 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 45 Resp: 8254

Ion	Ratio	Lower	Upper
45	100		
58	8.5	31.3	46.9#



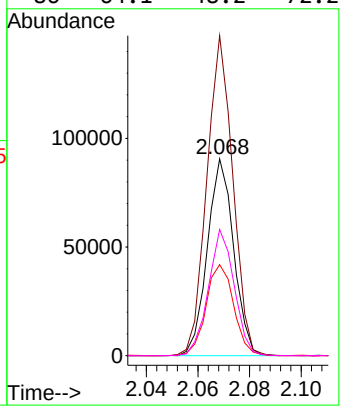


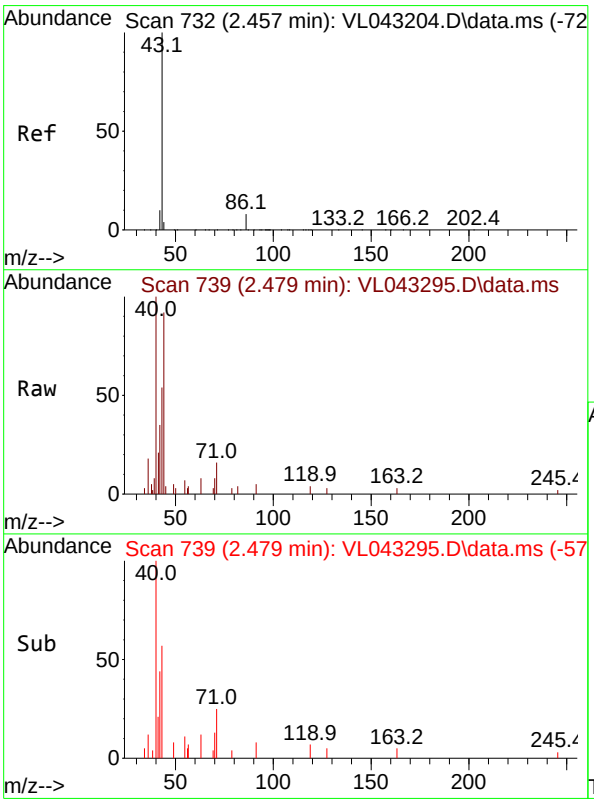
#20
Methylene Chloride
Concen: 12.134 ppbv
RT: 2.068 min Scan# 61
Delta R.T. 0.012 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 84 Resp: 64219

Ion	Ratio	Lower	Upper
84	100		
49	162.5	132.9	199.3
51	46.3	34.8	52.2
86	64.1	48.2	72.2

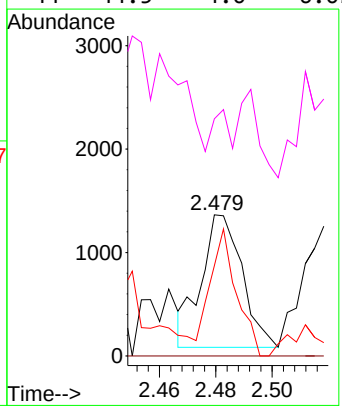


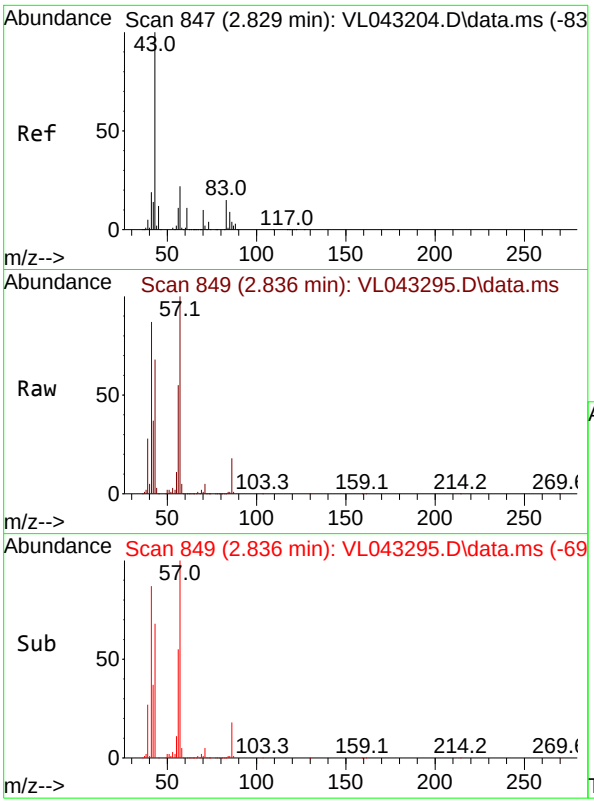


#23
Vinyl Acetate
Concen: 0.059 ppbv
RT: 2.479 min Scan# 739
Delta R.T. 0.022 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 43 Resp: 1292

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	59.0	8.0	12.0#
44	44.5	4.0	6.0#



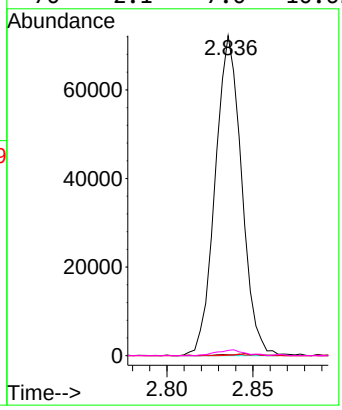


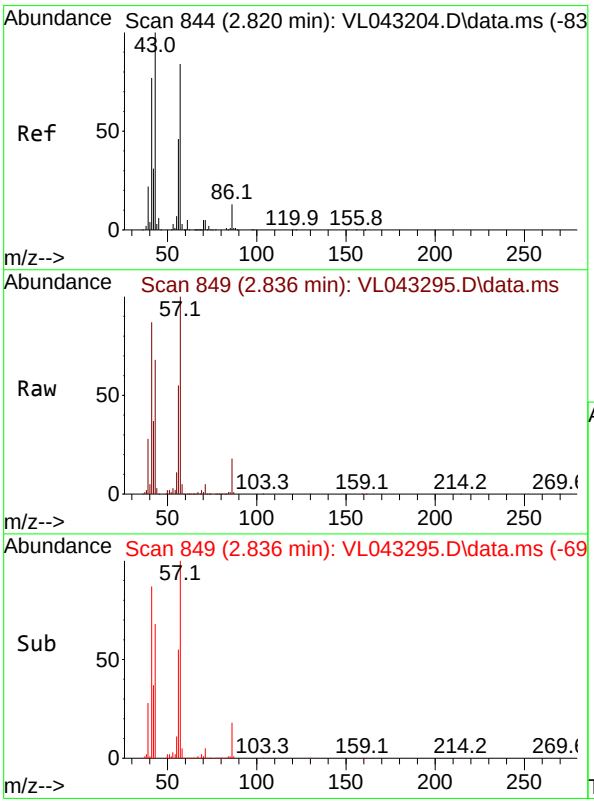
#25
Ethyl Acetate
Concen: 1.967 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 43 Resp: 77253

Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.1	12.1#
61	0.4	7.0	10.4#
70	2.1	7.0	10.6#

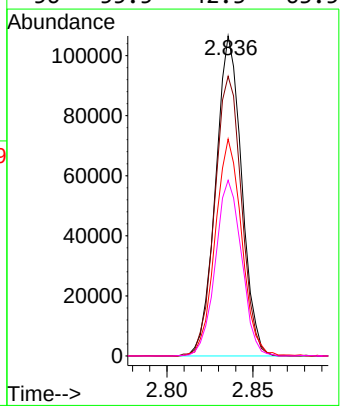


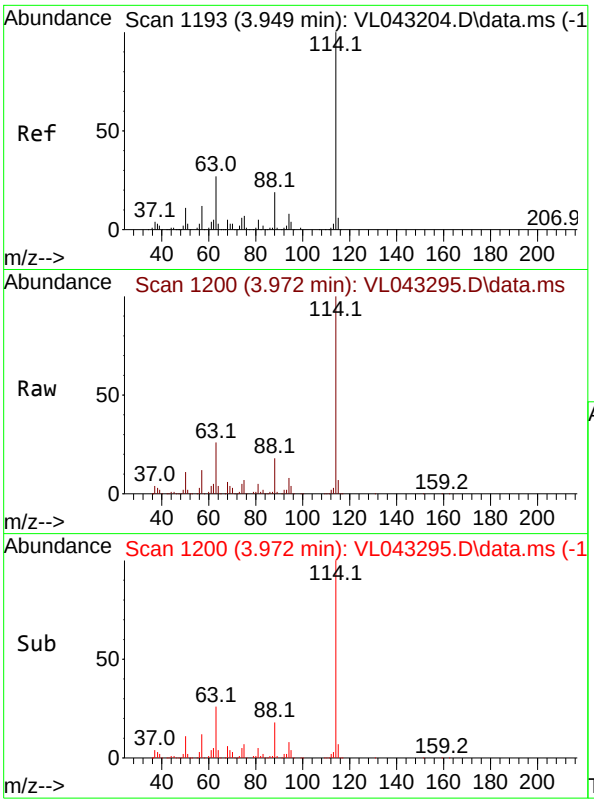


#26
Hexane
Concen: 6.508 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.016 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 57 Resp: 112069

Ion	Ratio	Lower	Upper
57	100		
41	90.2	74.6	111.8
43	69.2	179.0	268.4#
56	55.5	42.3	63.5



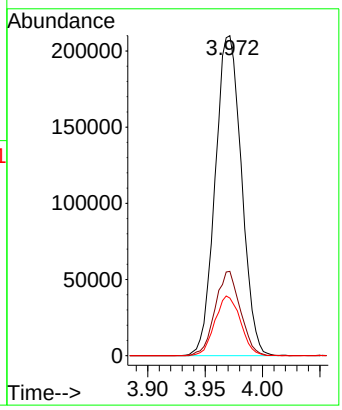


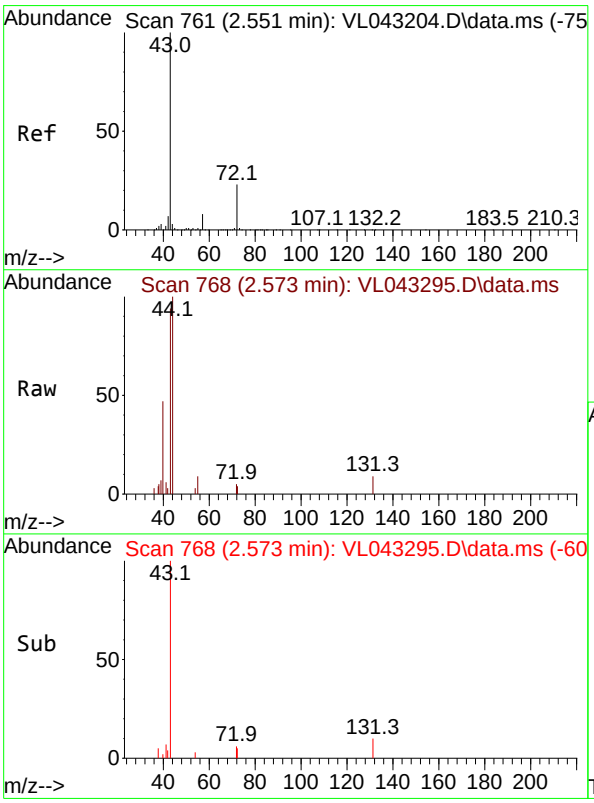
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1
Delta R.T. 0.022 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion:114 Resp: 334652

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	18.2	14.9	22.3

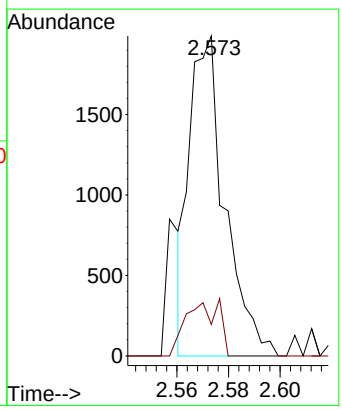


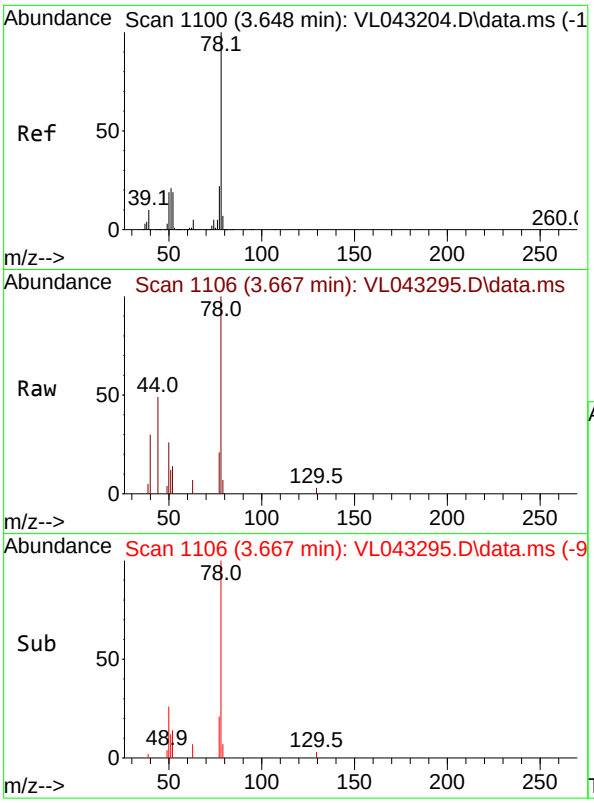


#34
2-Butanone
Concen: 0.080 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.022 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 43 Resp: 1892

Ion	Ratio	Lower	Upper
43	100		
72	16.0	18.1	27.1#



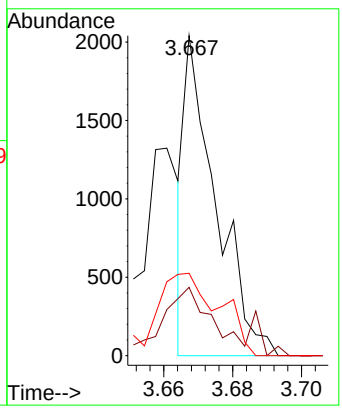


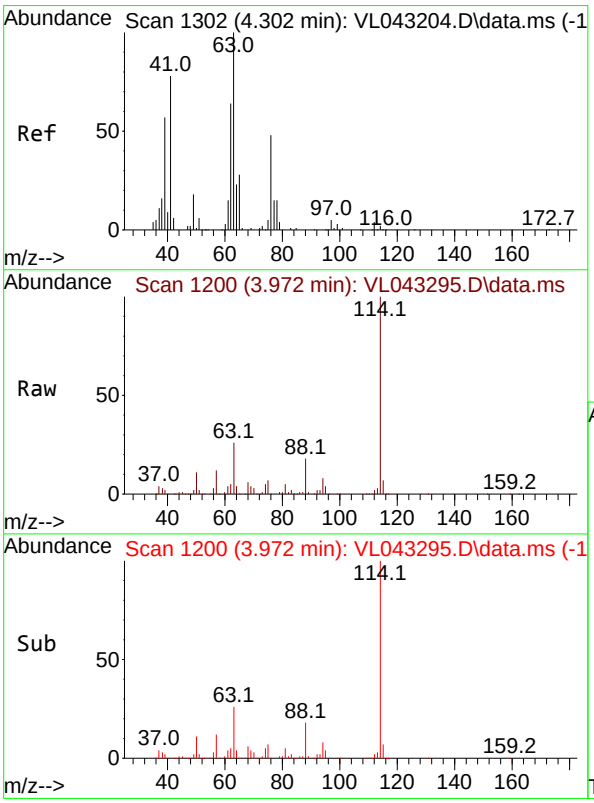
#36
Benzene
Concen: 0.041 ppbv
RT: 3.667 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 78 Resp: 1298

Ion	Ratio	Lower	Upper
78	100		
77	18.4	17.5	26.3
50	25.8	15.5	23.3#

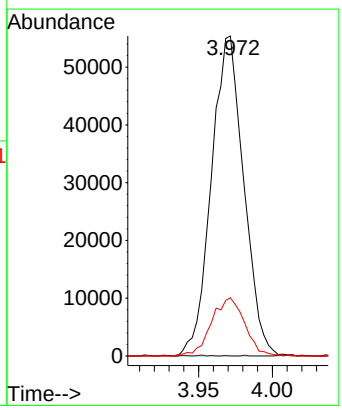


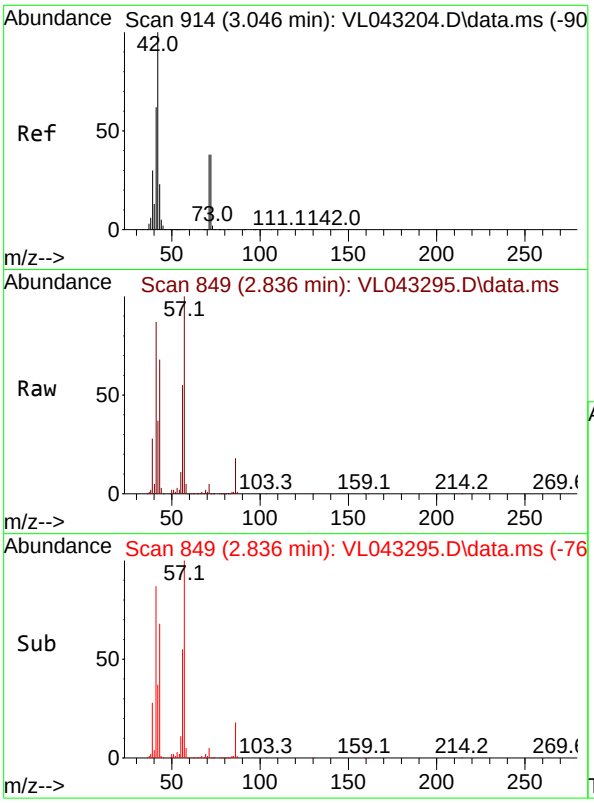


#39
1,2-Dichloropropane
Concen: 7.197 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.330 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 63 Resp: 84414

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	17.9	51.0	76.6#



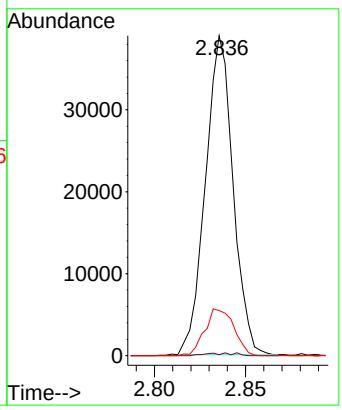


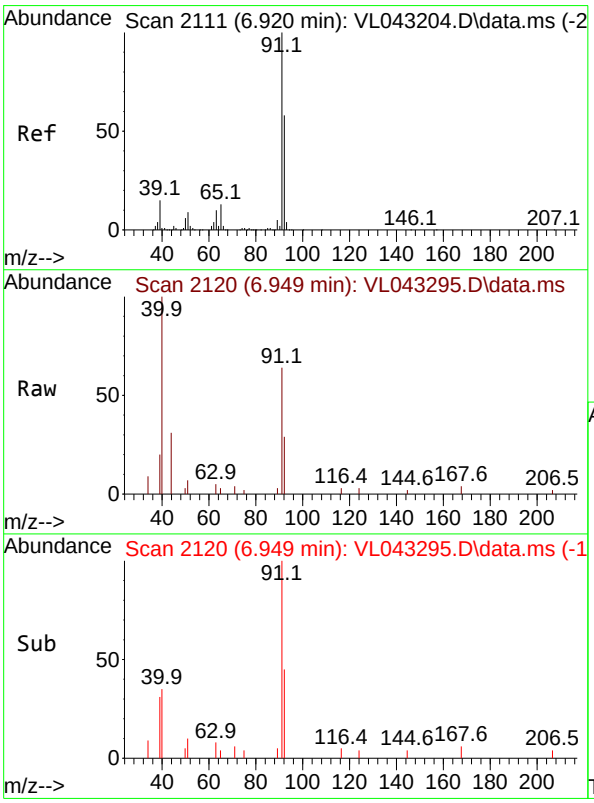
#41
Tetrahydrofuran
Concen: 3.144 ppbv
RT: 2.836 min Scan# 8
Delta R.T. -0.211 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion: 42 Resp: 41012

Ion	Ratio	Lower	Upper
42	100		
72	0.9	30.6	46.0#
71	15.5	30.5	45.7#

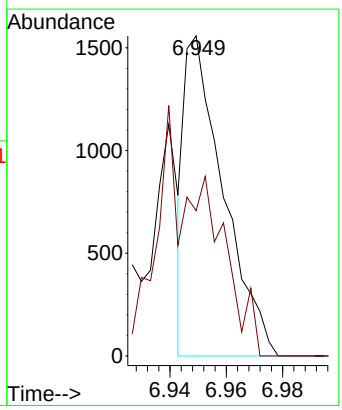


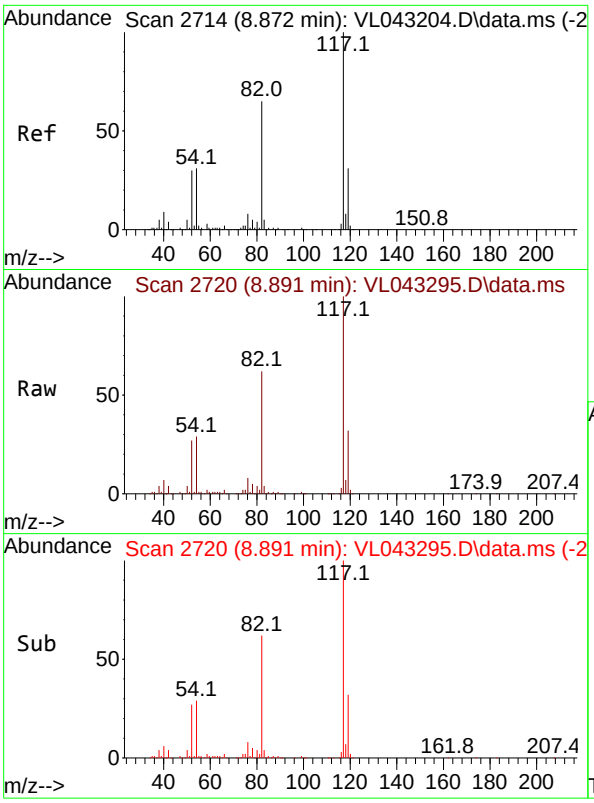


#53
Toluene
Concen: 0.040 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. 0.029 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 91 Resp: 1505

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#



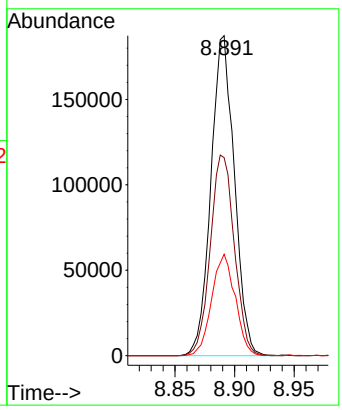


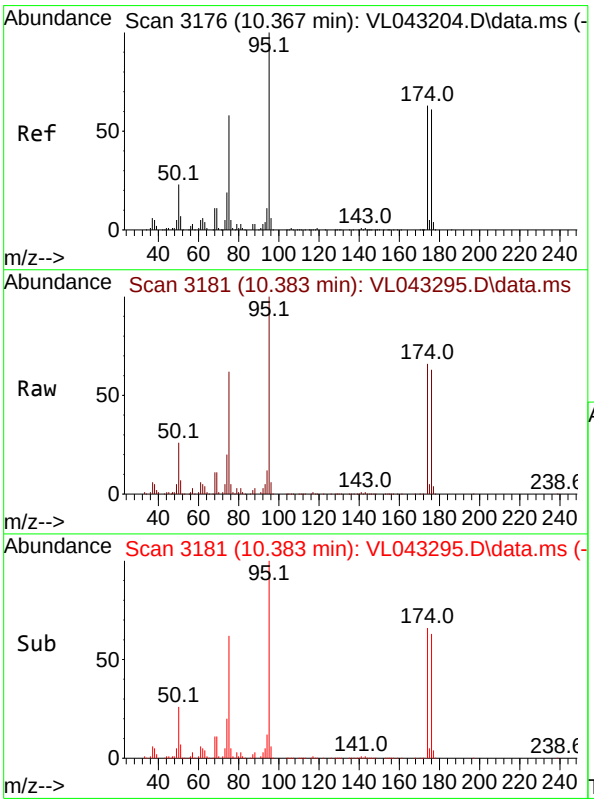
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
QC112525 CAN 10597

Tgt Ion:117 Resp: 256513

Ion	Ratio	Lower	Upper
117	100		
82	64.3	56.1	84.1
119	31.9	25.0	37.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.427 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.016 min
Lab File: VL043295.D
Acq: 02 Dec 2025 12:53

Tgt Ion: 95 Resp: 177251

Ion	Ratio	Lower	Upper
95	100		
174	67.3	50.2	75.2
175	5.0	4.1	6.1