Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
Data File : VL042710.D
Acq On : 08 Jul 2025 12:15
Operator : SY/MD
Sample : Q2518-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: Jul 09 01:28:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	117014	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	286744	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.885	117	254758	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	204982	10.461	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.600%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.476	51	2872	0.157	ppbv	94
4) Chloromethane	1.534	50	151	0.031	ppbv #	88
8) Dichlorotetrafluoroethane	1.502	85	317	0.031	ppbv #	30
9) Propene	1.486	41	3845	0.561	ppbv	90
10) Heptane	4.988	43	879	0.047	ppbv #	30
13) Ethanol	1.431	45	319355	482.856	ppbv	95
15) Acetone	1.839	43	23773	2.048	ppbv #	86
16) 1,3-Butadiene	1.602	39	3886	0.727	ppbv #	28
19) Isopropyl Alcohol	1.431	45	319355	47.875	ppbv #	95
20) Methylene Chloride	2.062	84	1695	0.382	ppbv #	71
23) Vinyl Acetate	2.512	43	1594	0.085	ppbv #	32
25) Ethyl Acetate	2.829	43	8871	0.253	ppbv #	78
26) Hexane	2.829	57	11543	0.788	ppbv #	39
27) Carbon Disulfide	2.153	76	1262	0.106	ppbv #	1
28) Methyl tert-Butyl Ether	2.560	73	745	0.124	ppbv #	1
34) 2-Butanone	2.560	43	80629	3.553	ppbv	98
36) Benzene	3.664	78	2612	0.090	ppbv	98
38) Trichloroethene	4.551	130	1125	0.090	ppbv #	88
39) 1,2-Dichloropropane	3.962	63	74056	6.570	ppbv #	23
51) 2-Hexanone	7.425	43	1204	0.062	ppbv #	30
52) Tetrachloroethene	8.228	164	25964	2.688	ppbv	95
53) Toluene	6.927	91	1457	0.054	ppbv #	21
59) m/p-Xylene	9.535	91	2258	0.073	ppbv #	74
60) o-Xylene	9.963	91	1432	0.047	ppbv	87
74) 1,2,4-Trimethylbenzene	11.539	105	1988	0.056	ppbv #	55

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
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Misc : 400mL/MSVOA_L
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Instrument :
MSVOA_L
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SV2DL

Quant Time: Jul 09 01:28:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:50:16 2025
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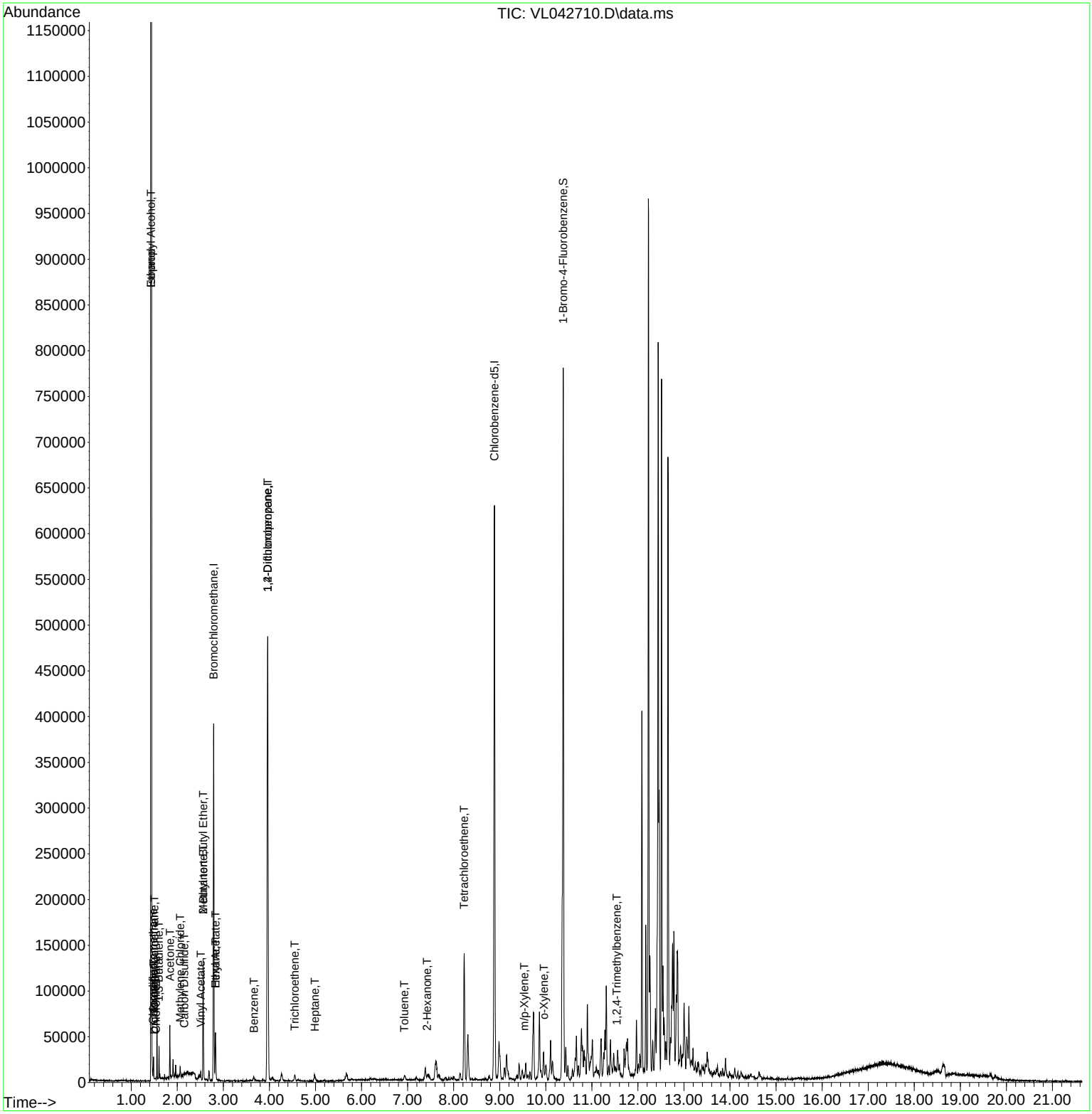
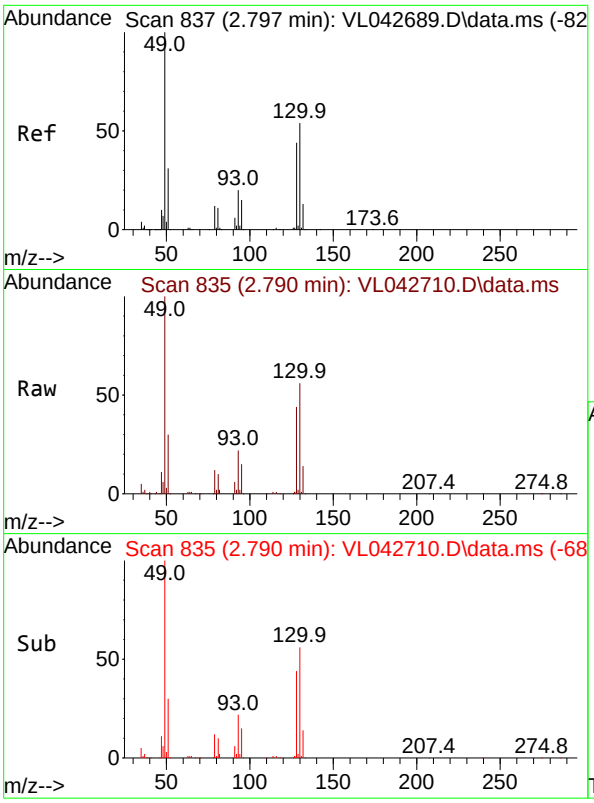


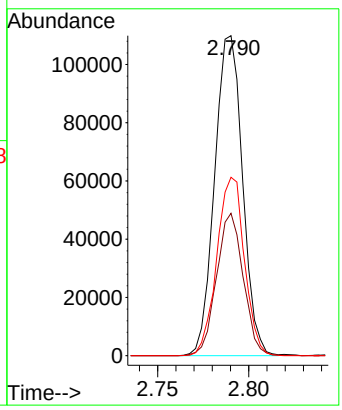


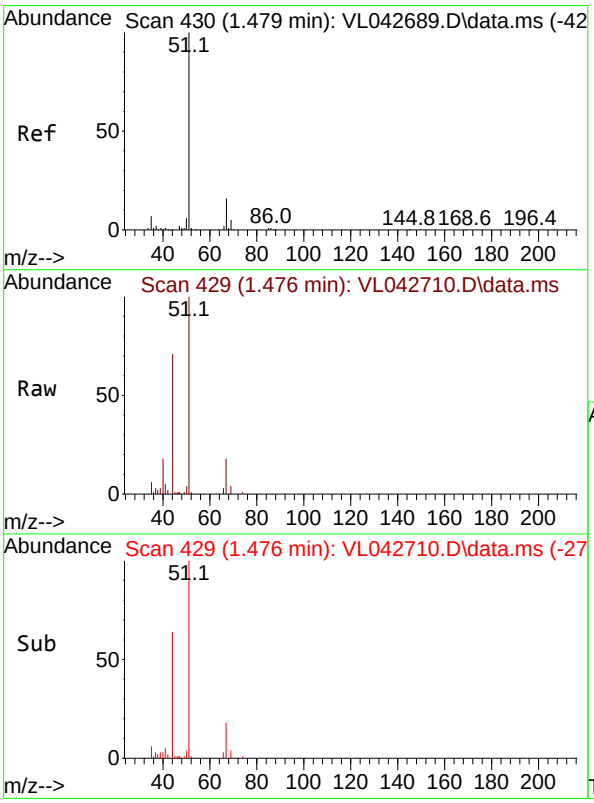
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 49 Resp: 117014

Ion	Ratio	Lower	Upper
49	100		
128	42.7	21.4	64.2
130	55.2	28.0	84.0

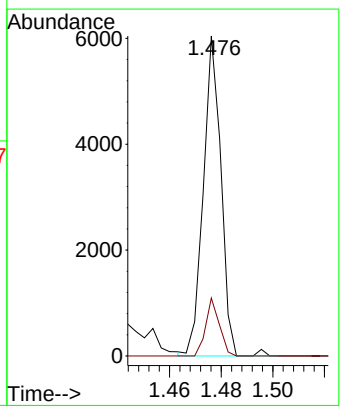


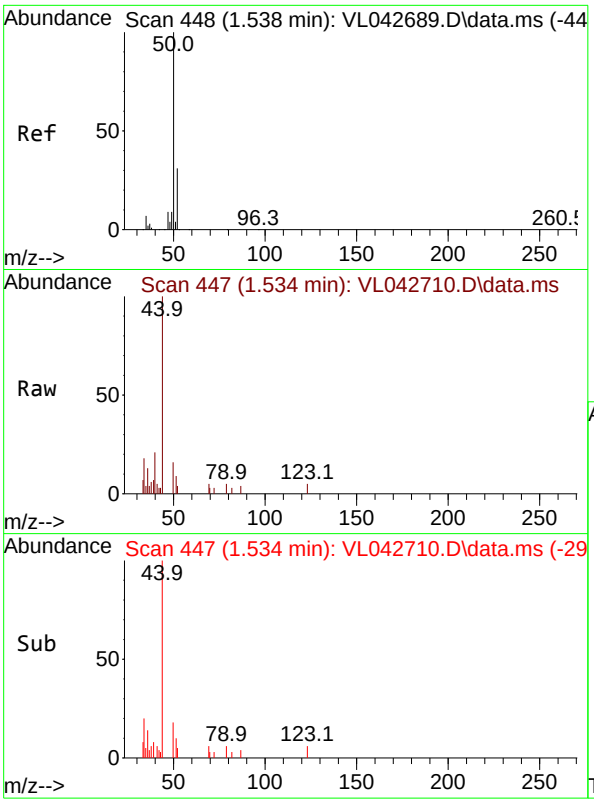


#3
Chlorodifluoromethane
Concen: 0.157 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 51 Resp: 2872

Ion	Ratio	Lower	Upper
51	100		
67	14.0	13.1	19.7



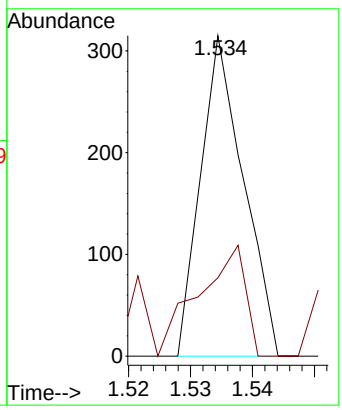


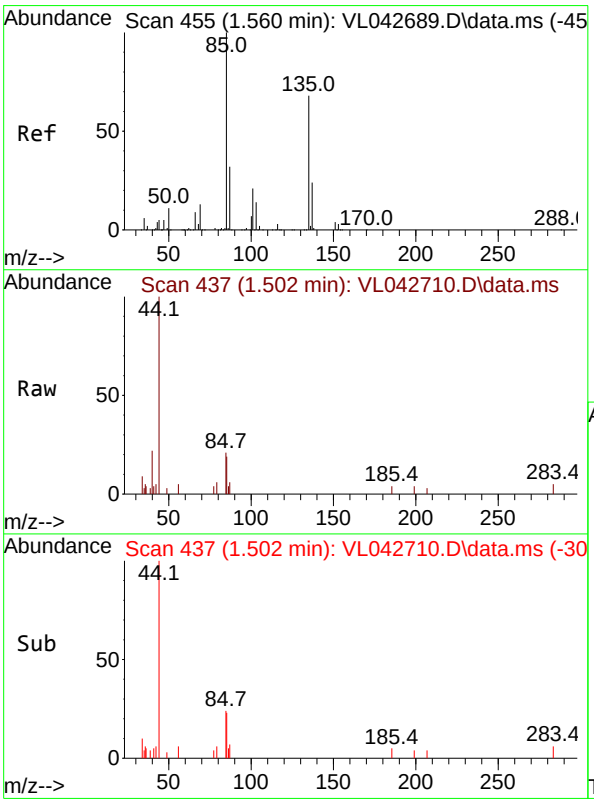
#4
Chloromethane
Concen: 0.031 ppbv
RT: 1.534 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 50 Resp: 151

Ion	Ratio	Lower	Upper
50	100		
52	24.4	24.8	37.2#

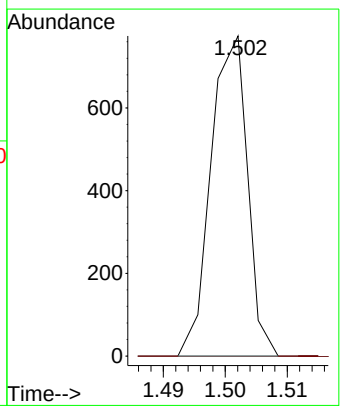


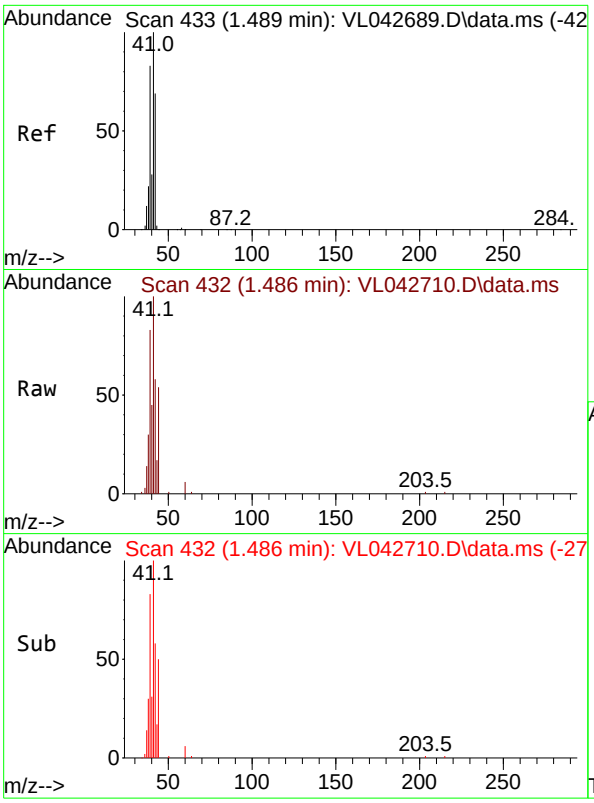


#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.058 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 85 Resp: 317

Ion	Ratio	Lower	Upper
85	100		
135	10.1	52.6	79.0#



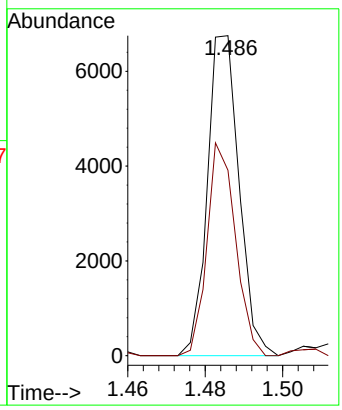


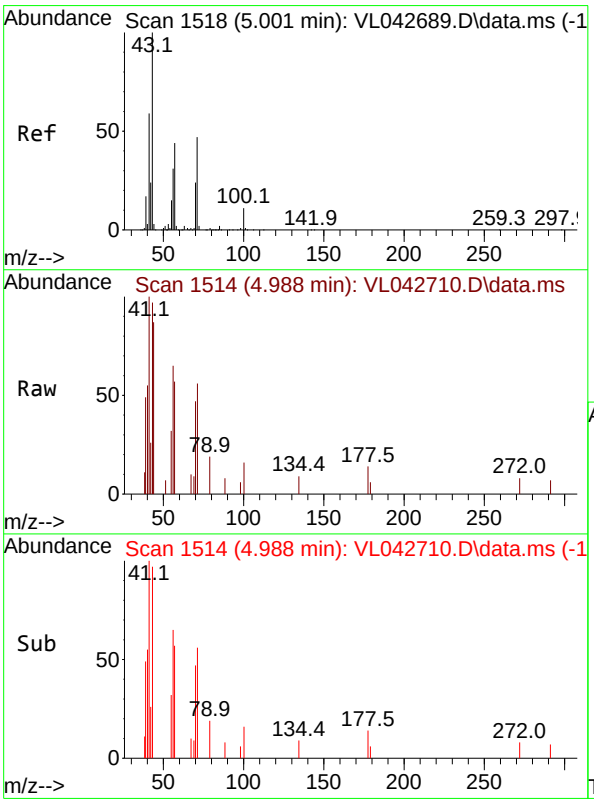
#9
Propene
Concen: 0.561 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 41 Resp: 3845

Ion	Ratio	Lower	Upper
41	100		
42	61.5	55.6	83.4

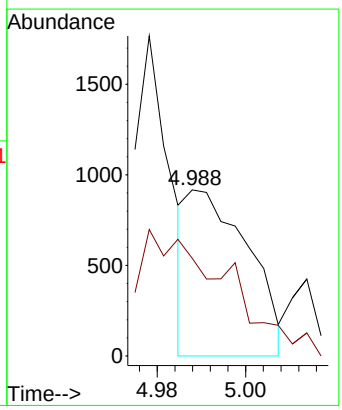


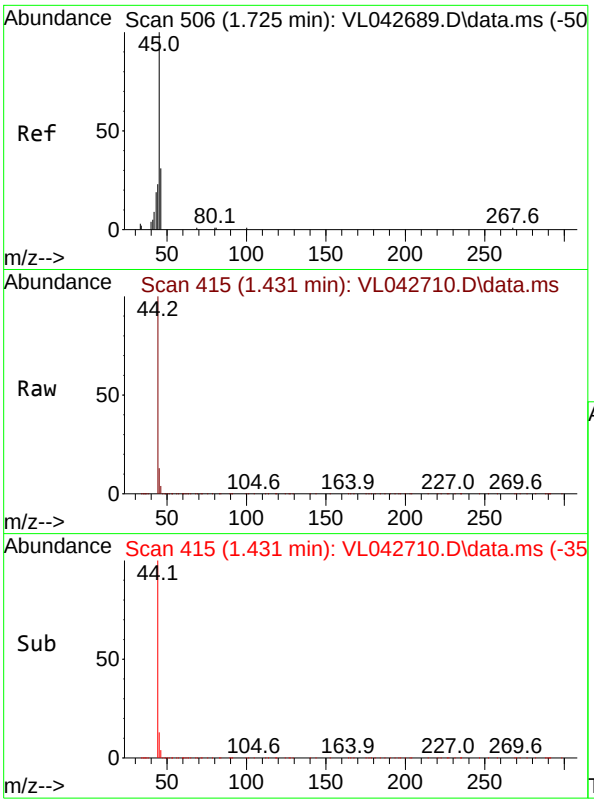


#10
Heptane
Concen: 0.047 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 43 Resp: 879

Ion	Ratio	Lower	Upper
43	100		
57	0.0	37.4	56.0#



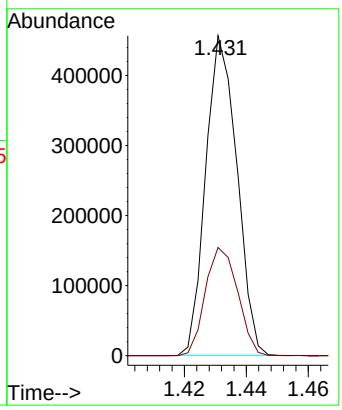


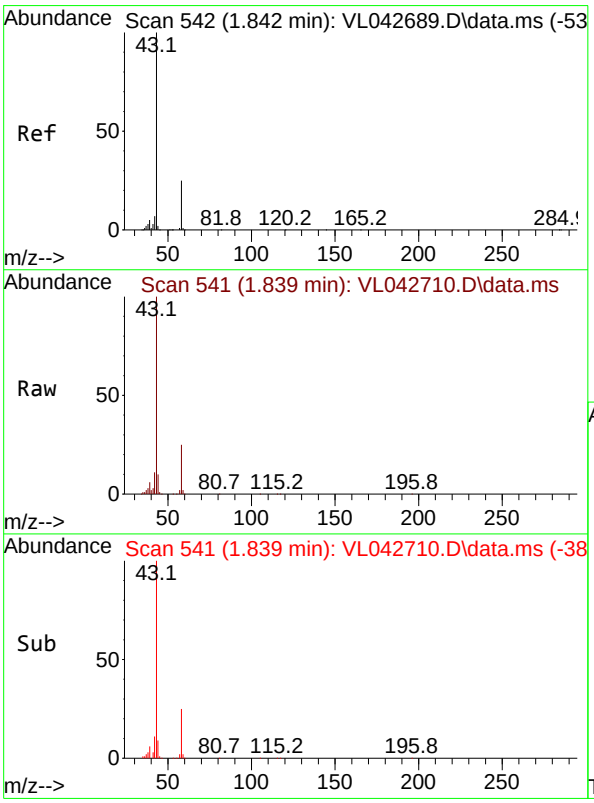
#13
Ethanol
Concen: 482.856 ppbv
RT: 1.431 min Scan# 4
Delta R.T. -0.295 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 45 Resp: 319355

Ion	Ratio	Lower	Upper
45	100		
46	35.2	15.2	60.8

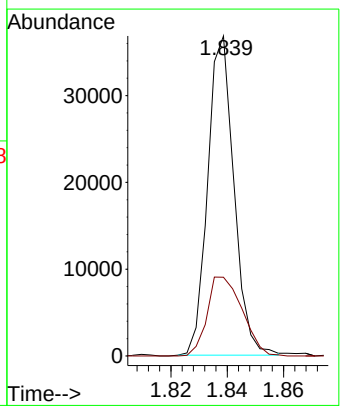


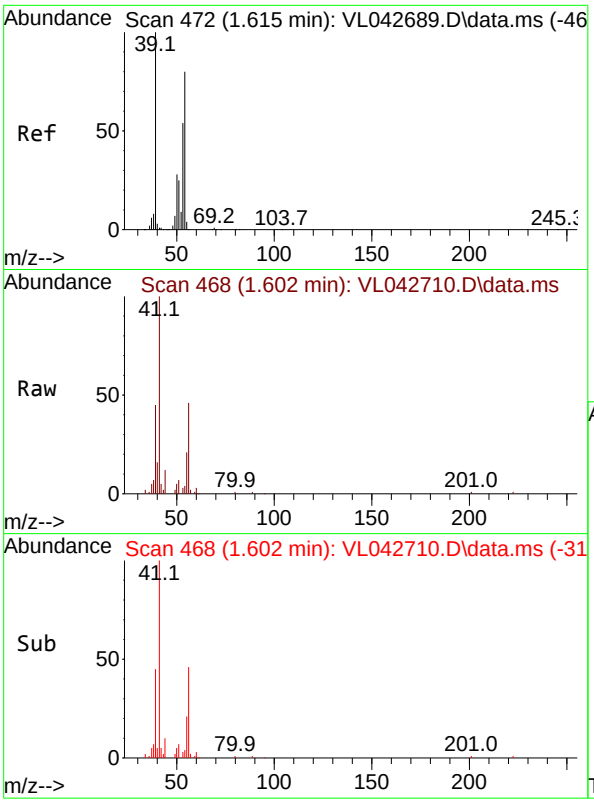


#15
Acetone
Concen: 2.048 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 43 Resp: 23773

Ion	Ratio	Lower	Upper
43	100		
58	33.2	20.6	31.0#



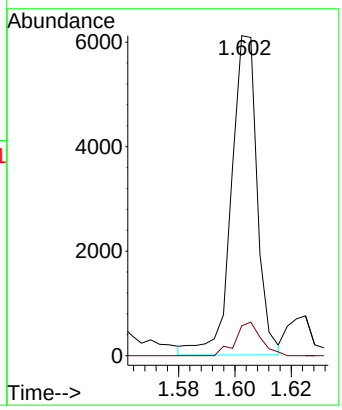


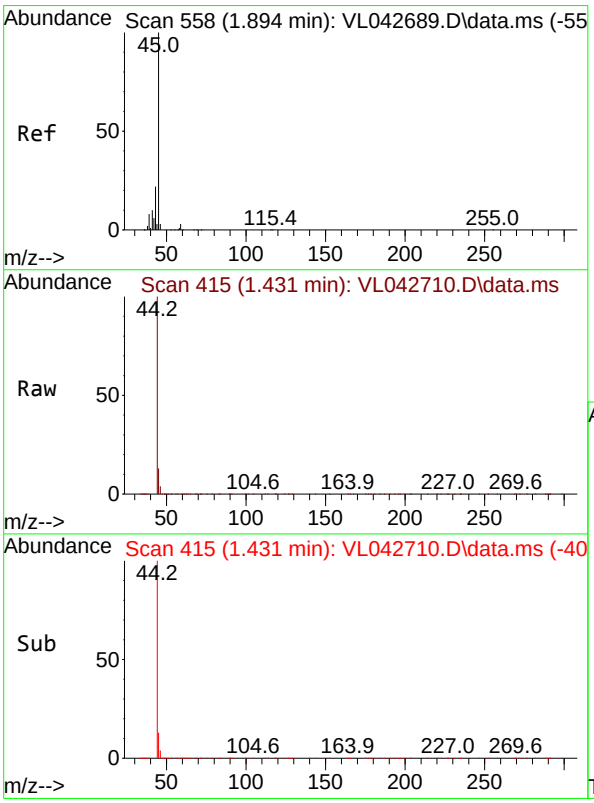
#16
1,3-Butadiene
Concen: 0.727 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 39 Resp: 3886

Ion	Ratio	Lower	Upper
39	100		
54	10.4	54.9	82.3#

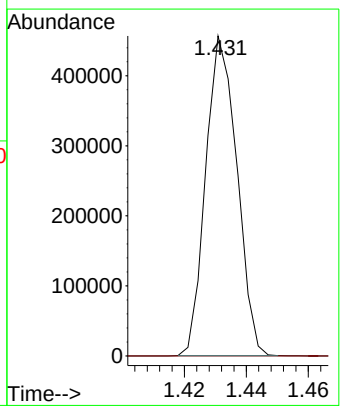


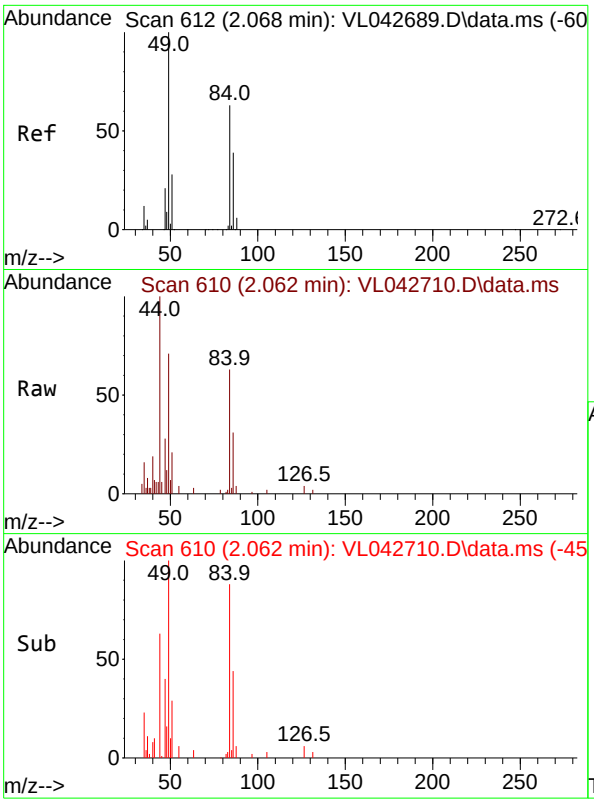


#19
Isopropyl Alcohol
Concen: 47.875 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.463 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 45 Resp: 319355

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#



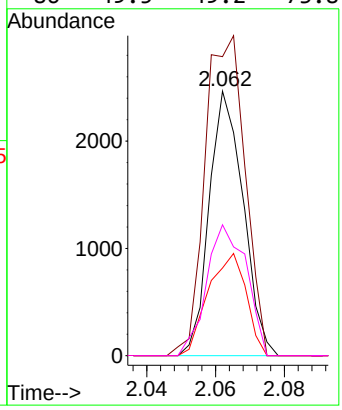


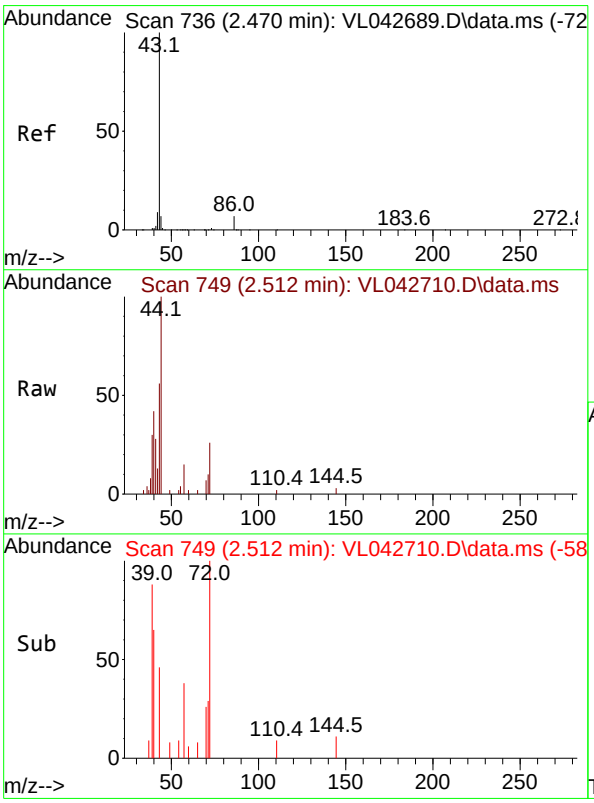
#20
Methylene Chloride
Concen: 0.382 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 84 Resp: 1695

Ion	Ratio	Lower	Upper
84	100		
49	113.0	128.6	193.0#
51	33.1	37.4	56.2#
86	49.5	49.2	73.8

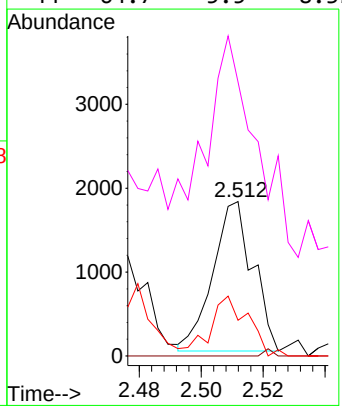


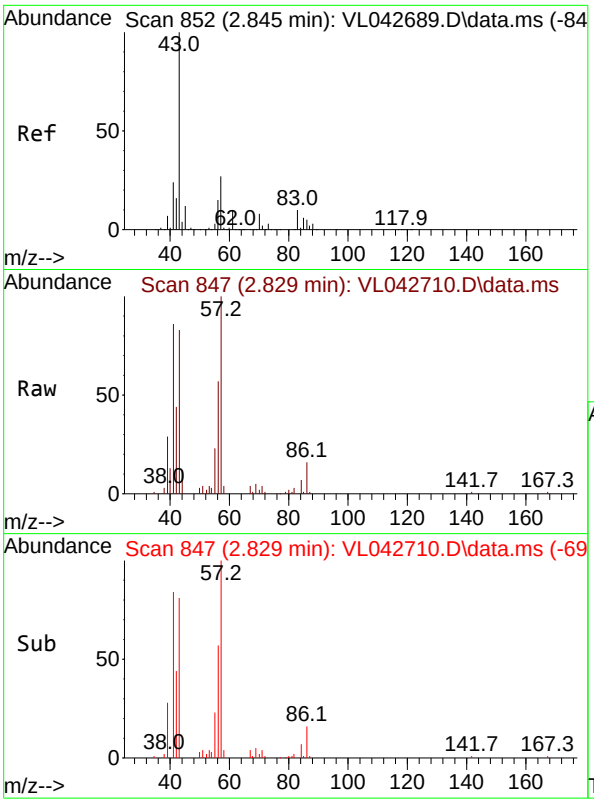


#23
Vinyl Acetate
Concen: 0.085 ppbv
RT: 2.512 min Scan# 749
Delta R.T. 0.042 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 43 Resp: 1594

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	19.7	7.2	10.8#
44	64.7	5.5	8.3#



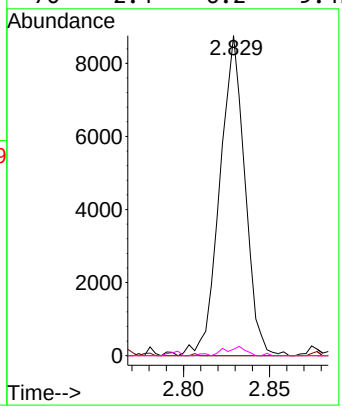


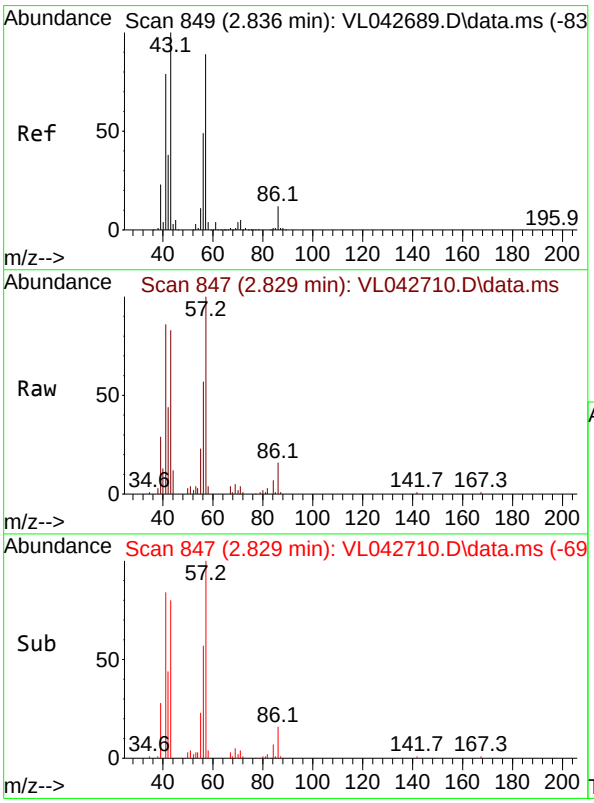
#25
Ethyl Acetate
Concen: 0.253 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 8871

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.1	12.1#
61	0.0	7.0	10.6#
70	2.4	6.2	9.4#

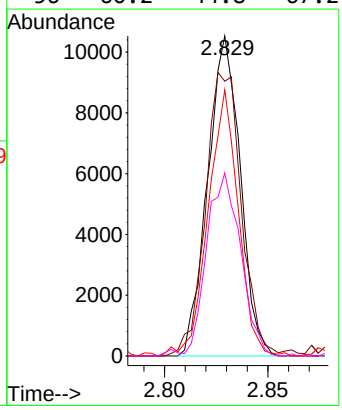


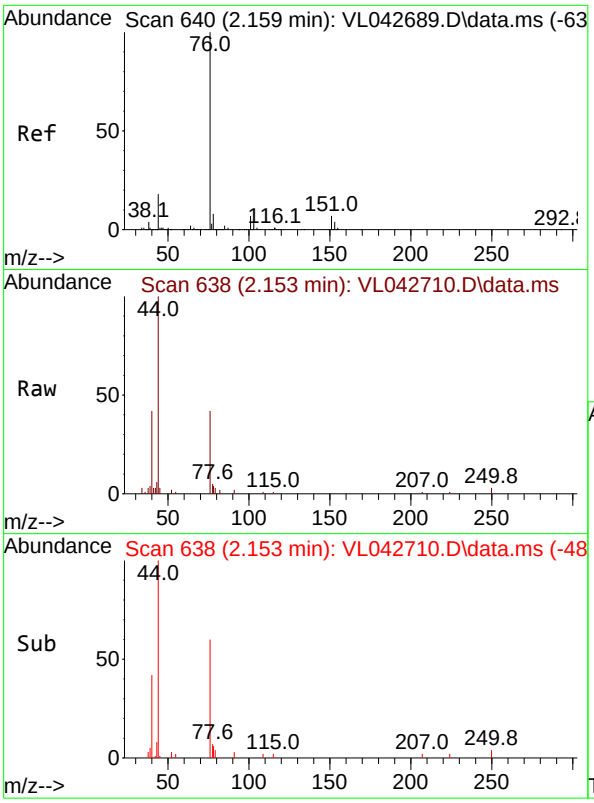


#26
Hexane
Concen: 0.788 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.006 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 57 Resp: 11543

Ion	Ratio	Lower	Upper
57	100		
41	98.8	73.7	110.5
43	77.4	190.6	285.8#
56	60.2	44.8	67.2



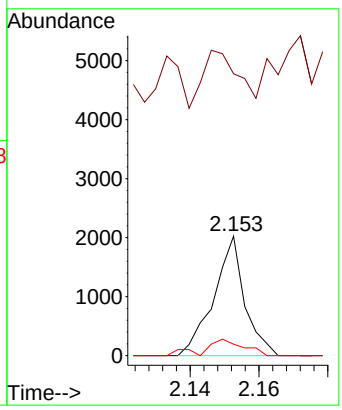


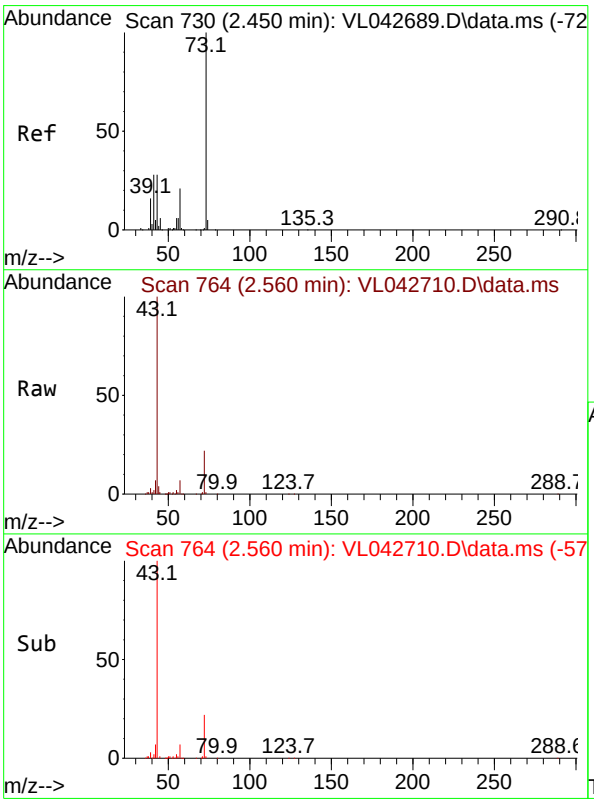
#27
Carbon Disulfide
Concen: 0.106 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.007 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 76 Resp: 1262

Ion	Ratio	Lower	Upper
76	100		
44	627.0	15.6	23.4#
78	17.6	9.2	13.8#

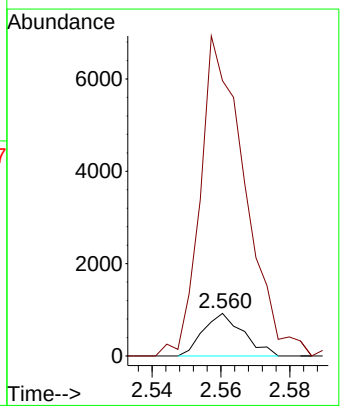


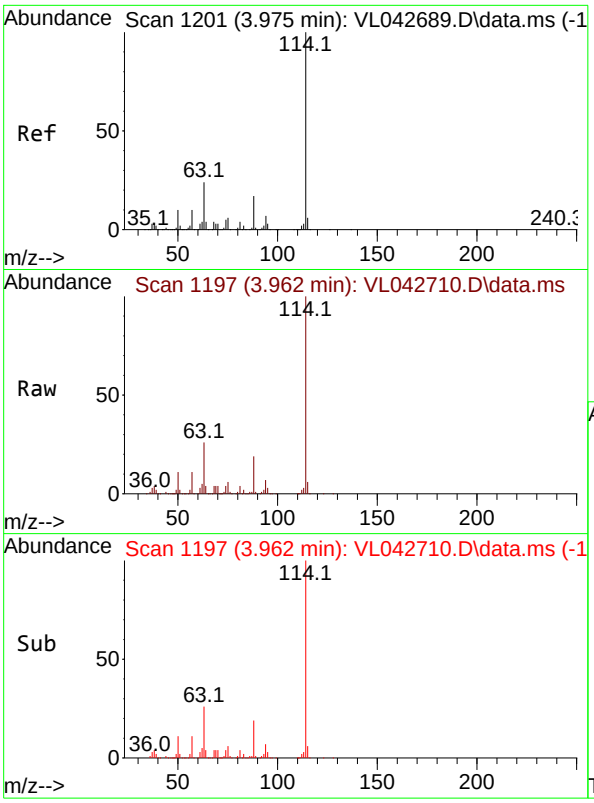


#28
Methyl tert-Butyl Ether
Concen: 0.124 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.110 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 73 Resp: 745

Ion	Ratio	Lower	Upper
73	100		
57	841.7	19.3	28.9#



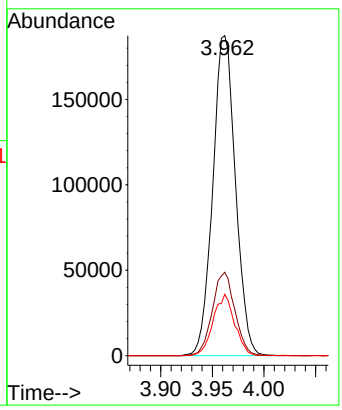


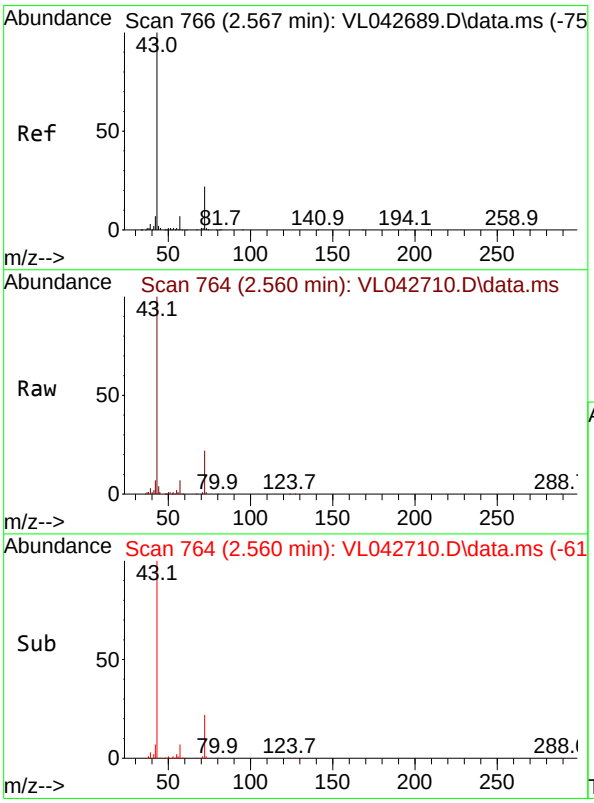
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion:114 Resp: 286744

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.4	30.6
88	18.1	14.2	21.2

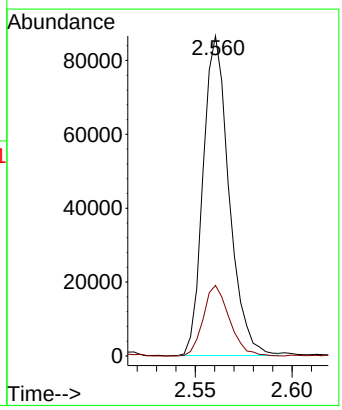


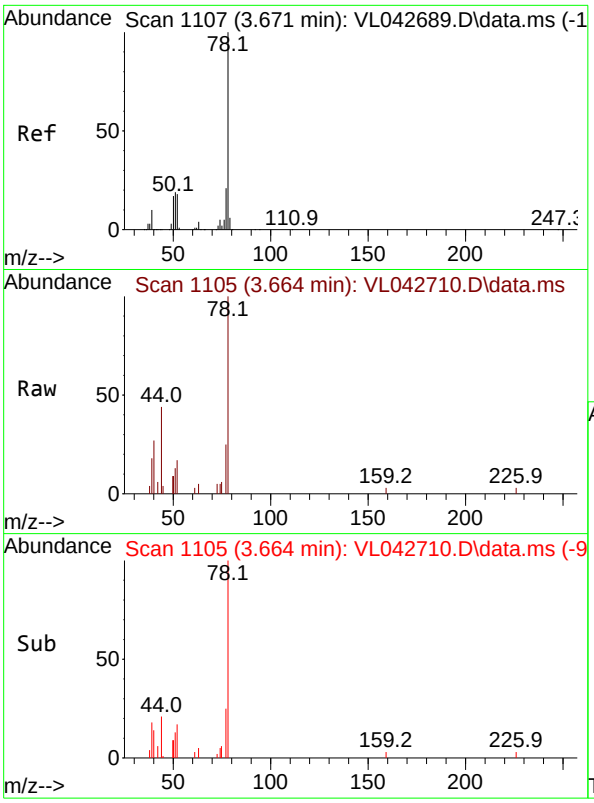


#34
2-Butanone
Concen: 3.553 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.007 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 43 Resp: 80629

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.1	25.7



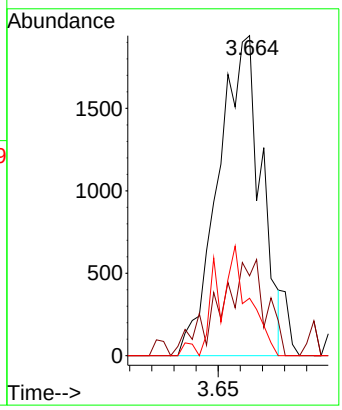


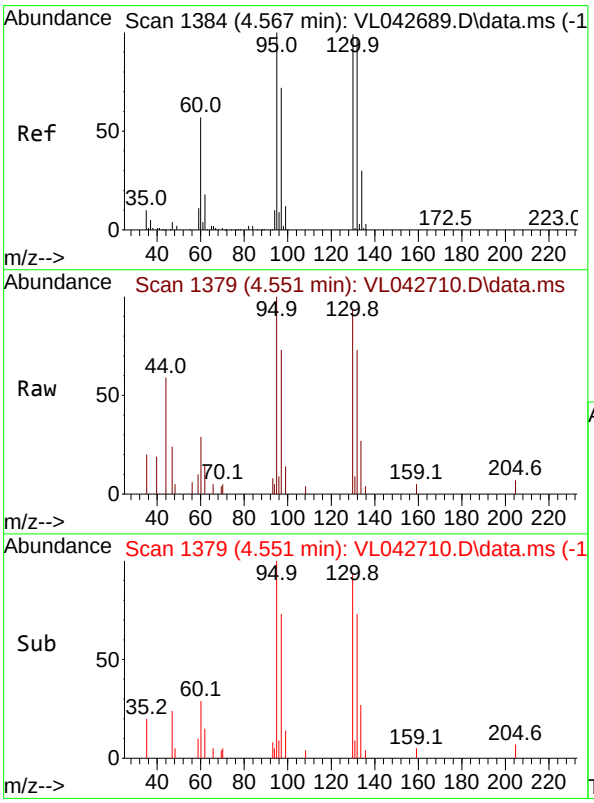
#36
Benzene
Concen: 0.090 ppbv
RT: 3.664 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 78 Resp: 2612

Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.0	25.4
50	18.0	13.7	20.5

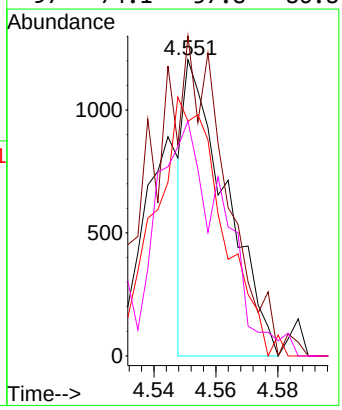


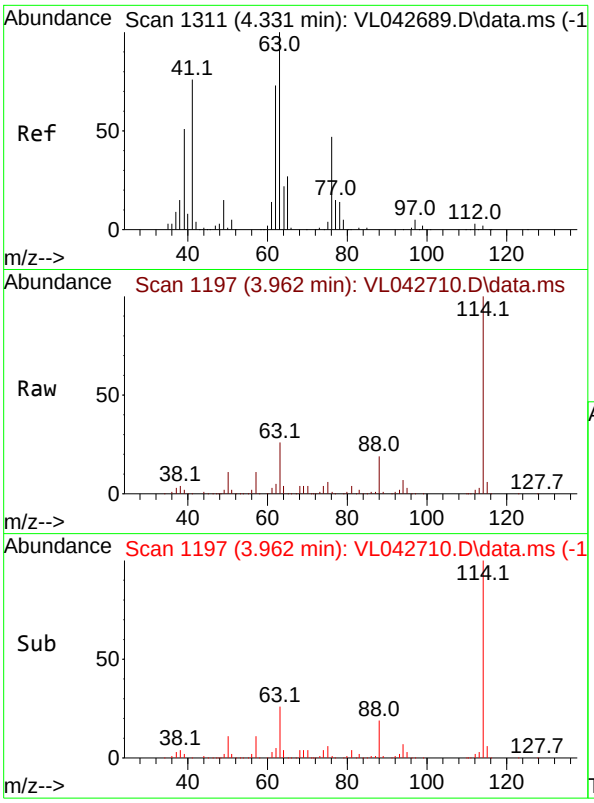


#38
Trichloroethene
Concen: 0.090 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion:130 Resp: 1125

Ion	Ratio	Lower	Upper
130	100		
95	108.1	81.1	121.7
132	72.2	77.9	116.9#
97	74.1	57.8	86.8



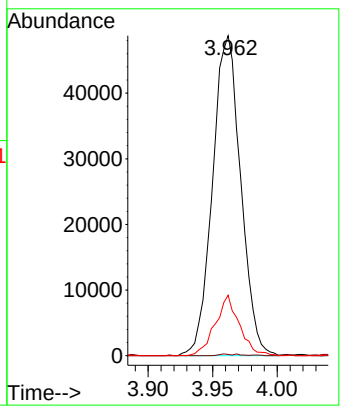


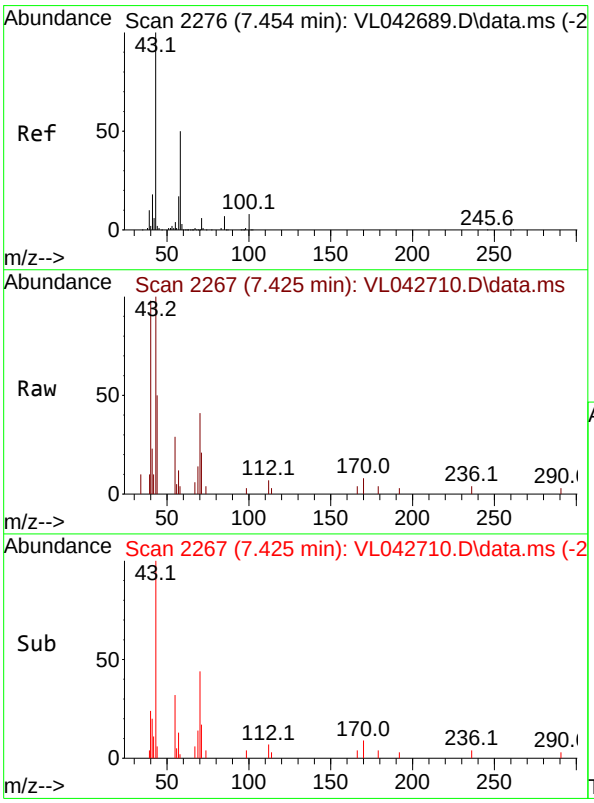
#39
1,2-Dichloropropane
Concen: 6.570 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.369 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 63 Resp: 74056

Ion	Ratio	Lower	Upper
63	100		
41	0.4	60.8	91.2#
62	18.9	58.6	87.8#

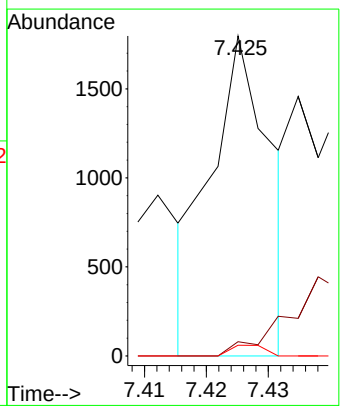


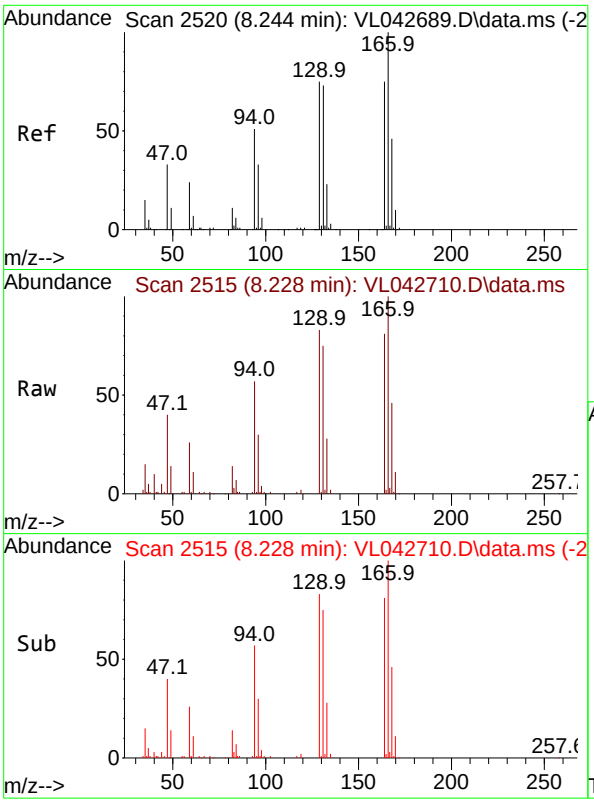


#51
2-Hexanone
Concen: 0.062 ppbv
RT: 7.425 min Scan# 2267
Delta R.T. -0.029 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 43 Resp: 1204

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	57.8#
98	1.9	0.6	1.0#



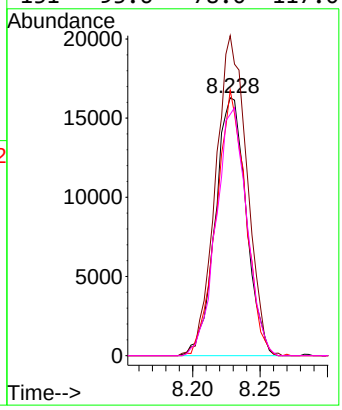


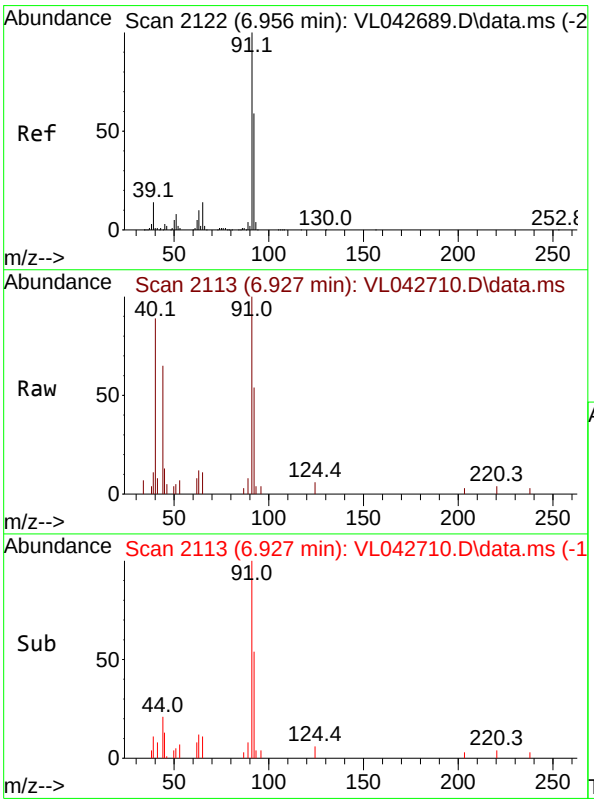
#52
Tetrachloroethene
Concen: 2.688 ppbv
RT: 8.228 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion:164 Resp: 25964

Ion	Ratio	Lower	Upper
164	100		
166	124.1	106.6	160.0
129	102.9	79.8	119.6
131	93.6	78.0	117.0

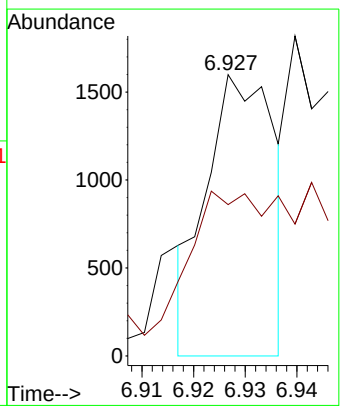


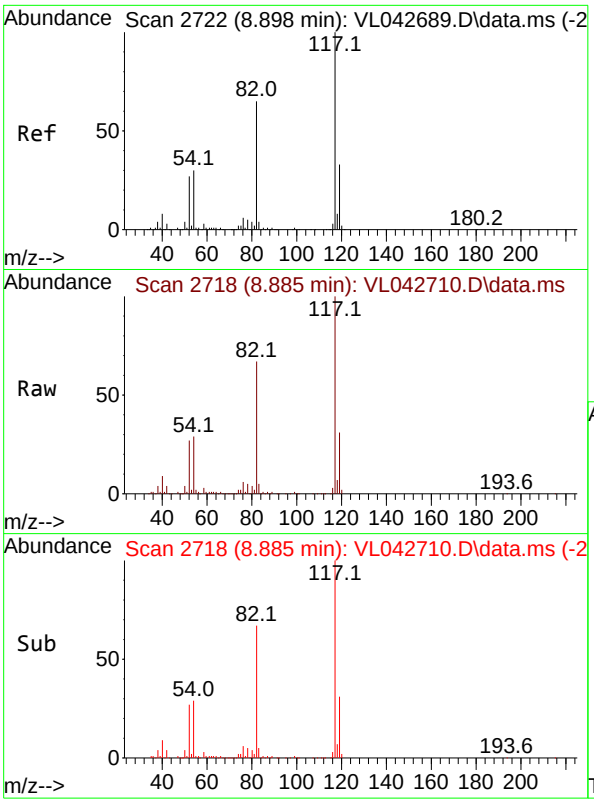


#53
Toluene
Concen: 0.054 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.029 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 91 Resp: 1457

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.2#



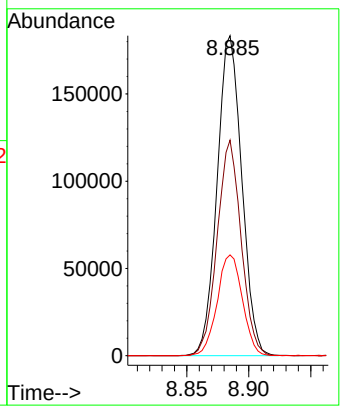


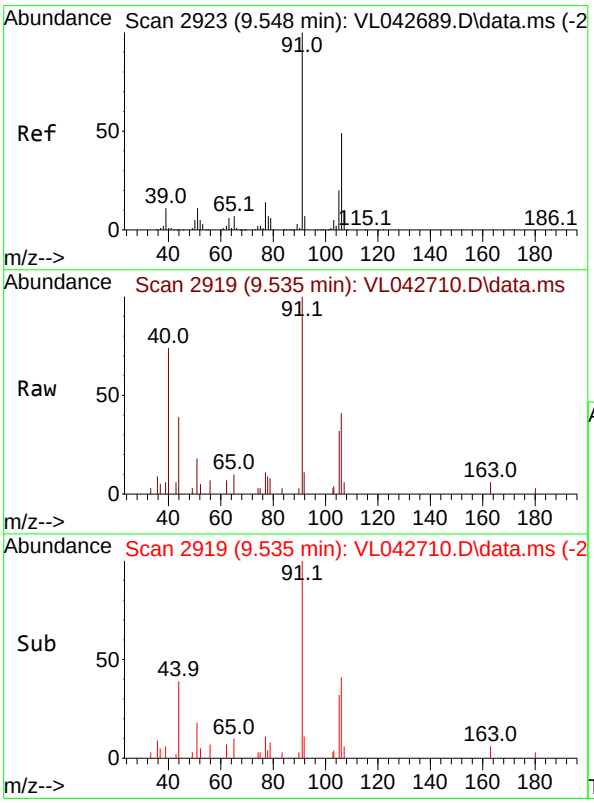
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion:117 Resp: 254758

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.4	80.2
119	32.2	26.6	39.8

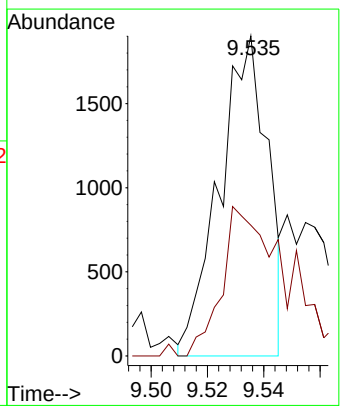


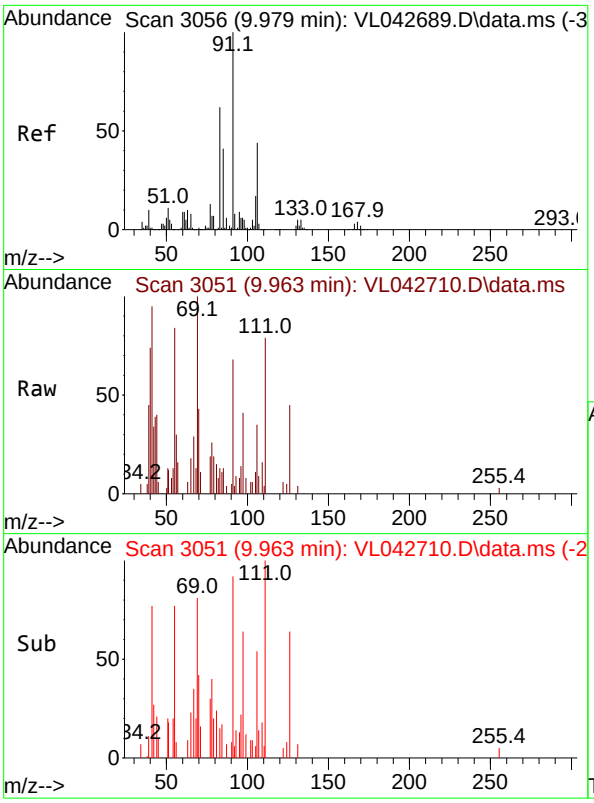


#59
m/p-Xylene
Concen: 0.073 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 91 Resp: 2258

Ion	Ratio	Lower	Upper
91	100		
106	64.5	37.6	56.4#



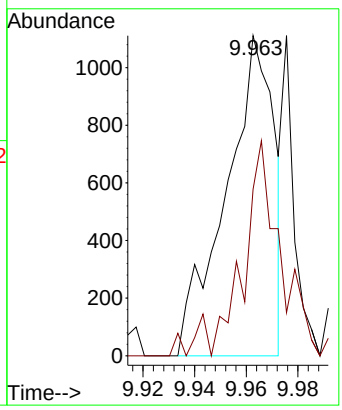


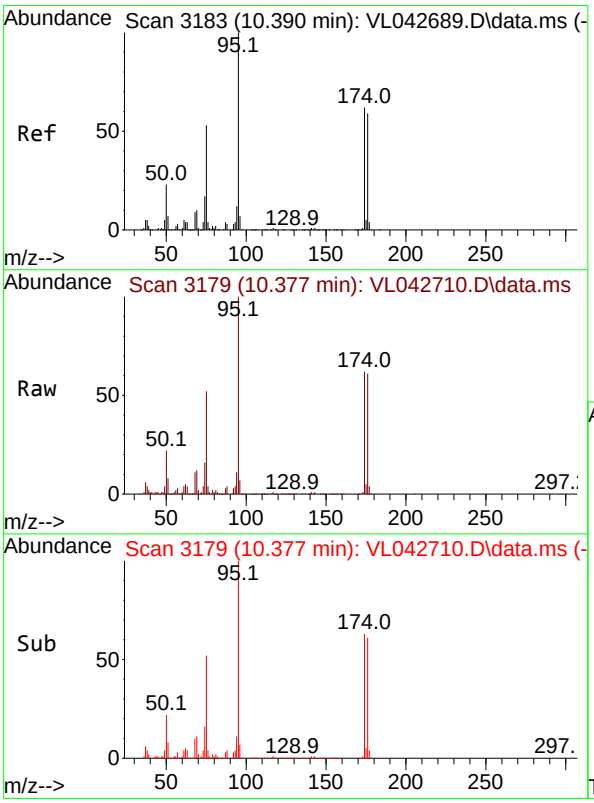
#60
o-Xylene
Concen: 0.047 ppbv
RT: 9.963 min Scan# 3
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 1432

Ion	Ratio	Lower	Upper
91	100		
106	54.2	22.8	68.4

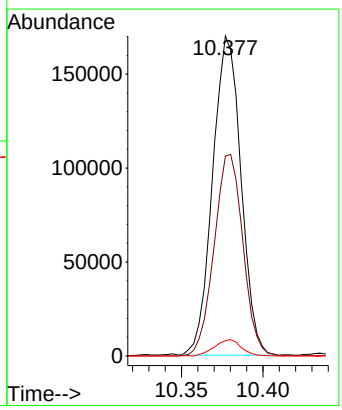


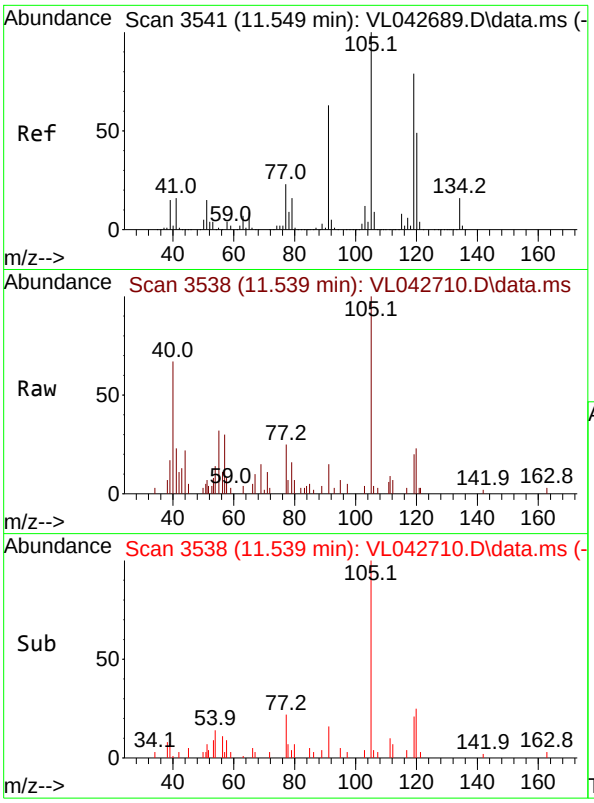


#68
1-Bromo-4-Fluorobenzene
Concen: 10.461 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 95 Resp: 204982

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.2	76.8
175	4.9	3.8	5.8





#74
1,2,4-Trimethylbenzene
Concen: 0.056 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion:105 Resp: 1988

Ion	Ratio	Lower	Upper
105	100		
120	26.2	39.6	59.4#
91	11.9	51.0	76.6#
77	26.9	18.7	28.1