Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
Data File : VL042898.D
Acq On : 04 Sep 2025 19:55
Operator : SY/MD
Sample : Q3000-01DL 10X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 05 01:26:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.794	49	117970	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.972	114	306966	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.895	117	257848	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	195543	10.112	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	1037	0.060	ppbv		90
3) Chlorodifluoromethane	1.480	51	2292	0.120	ppbv		95
4) Chloromethane	1.535	50	524	0.075	ppbv		90
6) Bromomethane	1.671	94	97	0.035	ppbv	#	4
9) Propene	1.486	41	1412	0.171	ppbv		93
13) Ethanol	1.431	45	291801	386.674	ppbv		86
15) Acetone	1.842	43	7789	0.499	ppbv		97
19) Isopropyl Alcohol	1.431	45	291801	31.307	ppbv	#	35
20) Methylene Chloride	2.069	84	1433	0.219	ppbv	#	82
26) Hexane	2.833	57	677	0.039	ppbv	#	1
34) 2-Butanone	2.570	43	897	0.043	ppbv	#	79
39) 1,2-Dichloropropane	3.969	63	83227	7.752	ppbv	#	28
44) 2,2,4-Trimethylpentane	4.658	57	1642	0.033	ppbv	#	43
53) Toluene	6.959	91	1410	0.040	ppbv	#	21

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

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Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 05 01:26:20 2025
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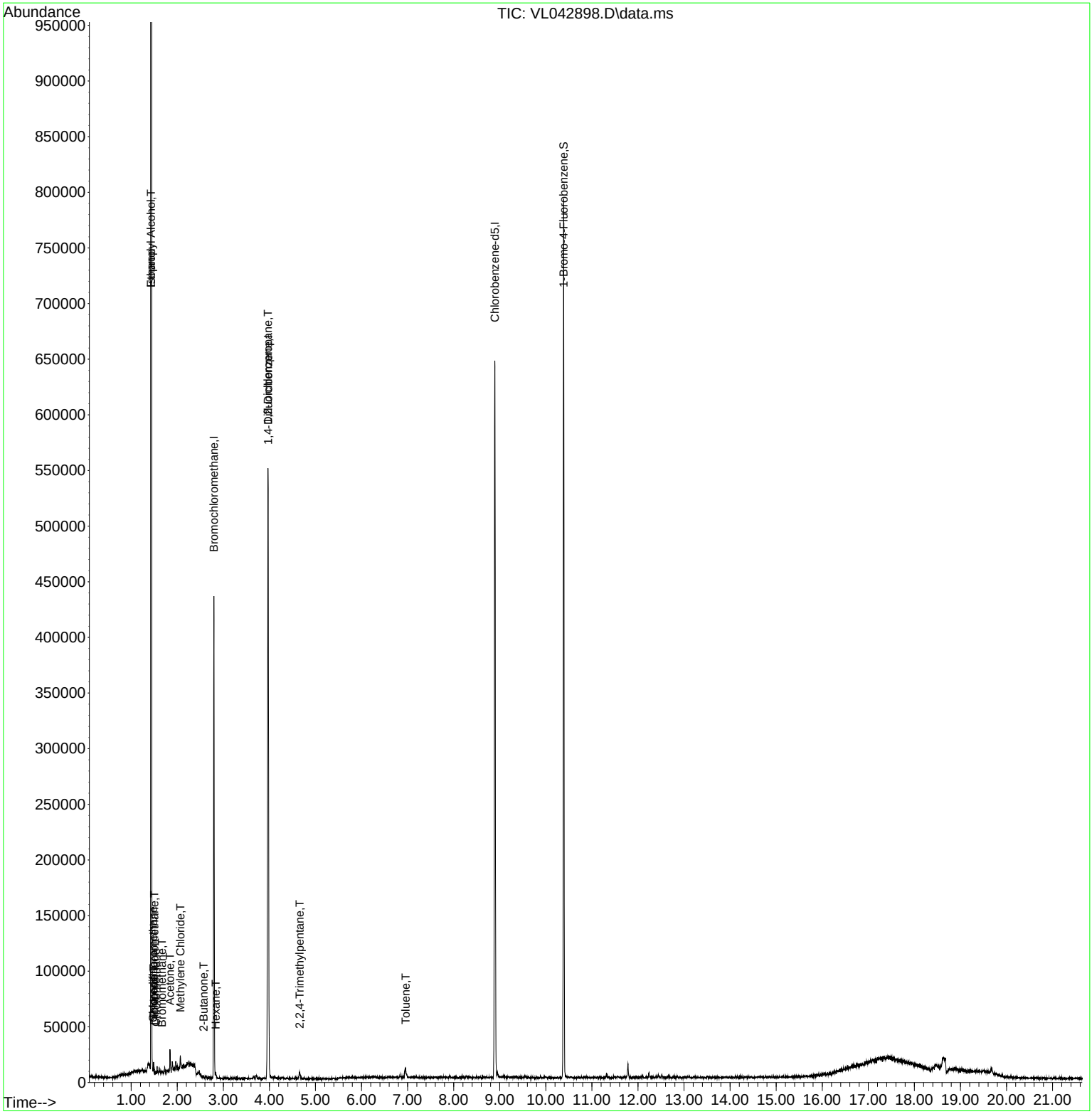
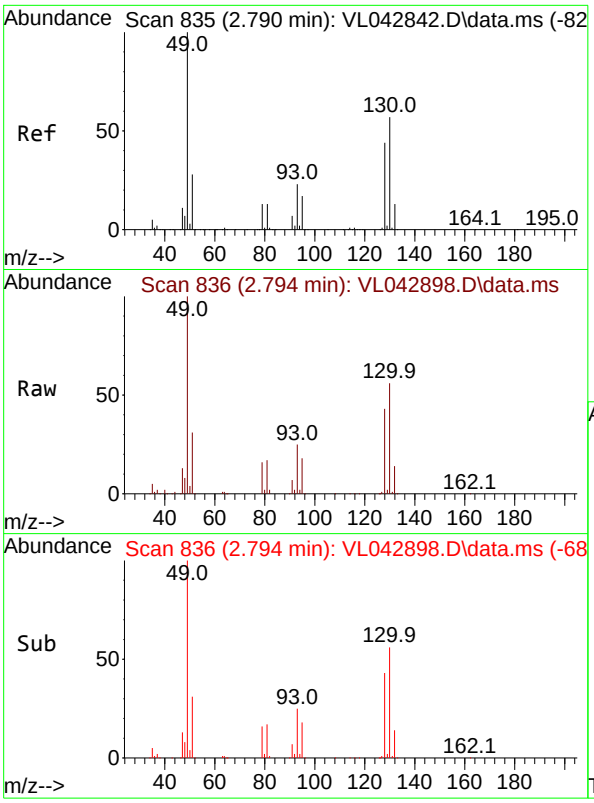


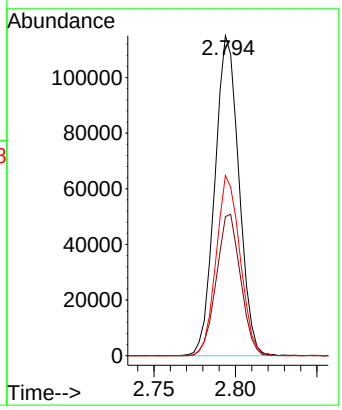


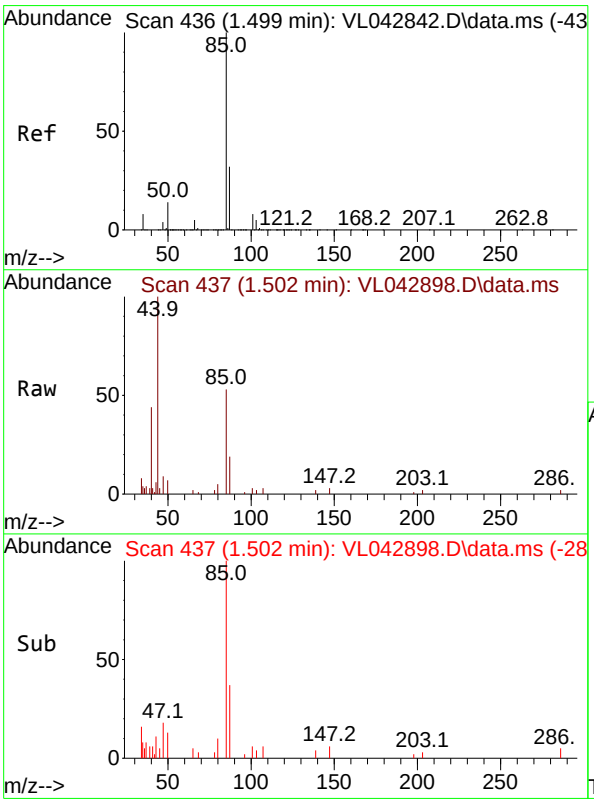
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 117970

Ion	Ratio	Lower	Upper
49	100		
128	44.5	23.7	71.1
130	56.0	30.6	91.6

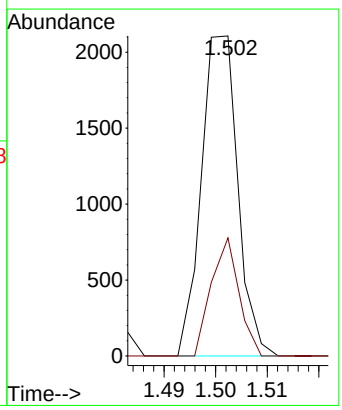


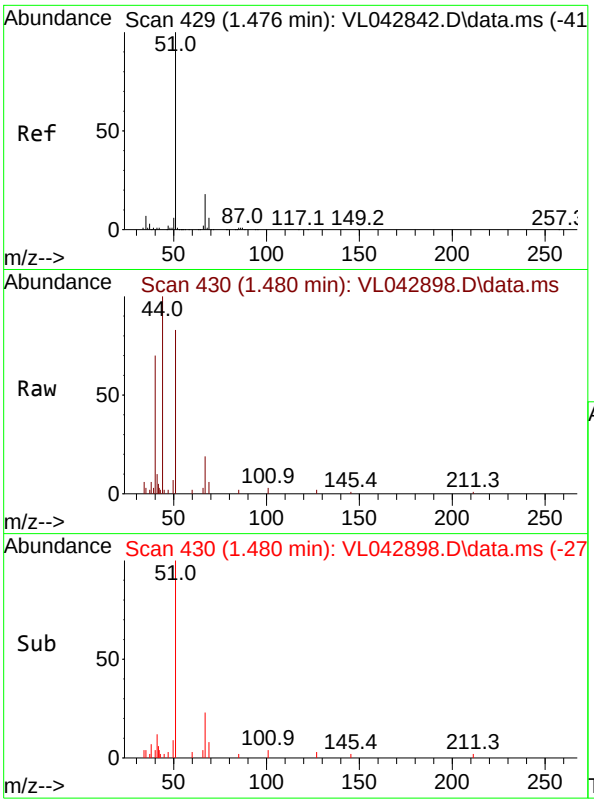


#2
Dichlorodifluoromethane
Concen: 0.060 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 85 Resp: 1037

Ion	Ratio	Lower	Upper
85	100		
87	36.9	25.3	37.9



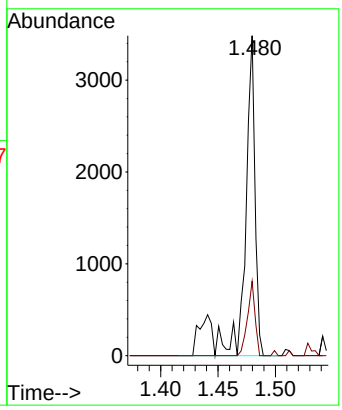


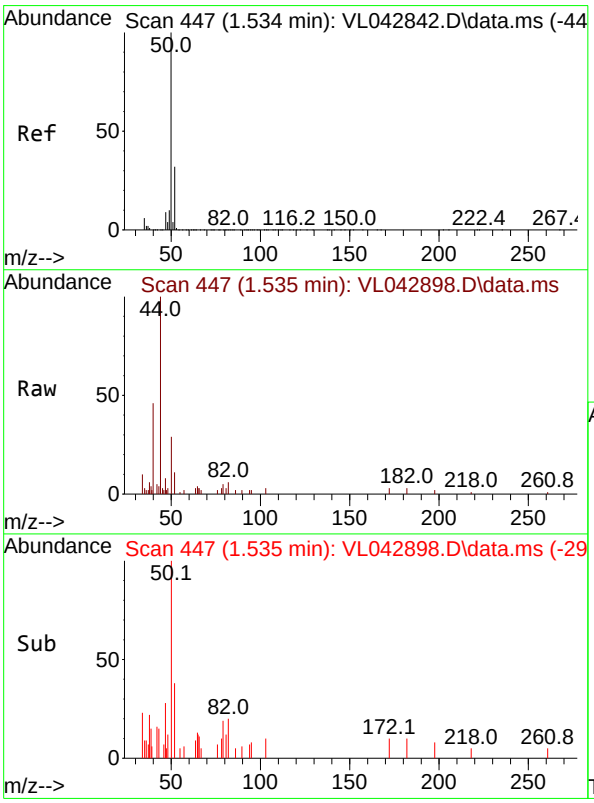
#3
Chlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 2292

Ion	Ratio	Lower	Upper
51	100		
67	16.5	14.9	22.3

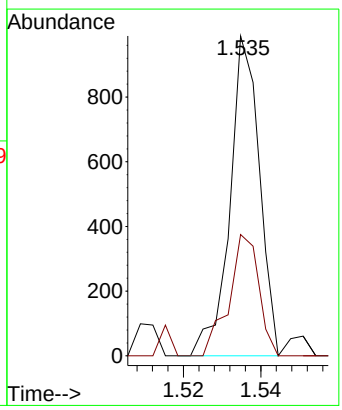


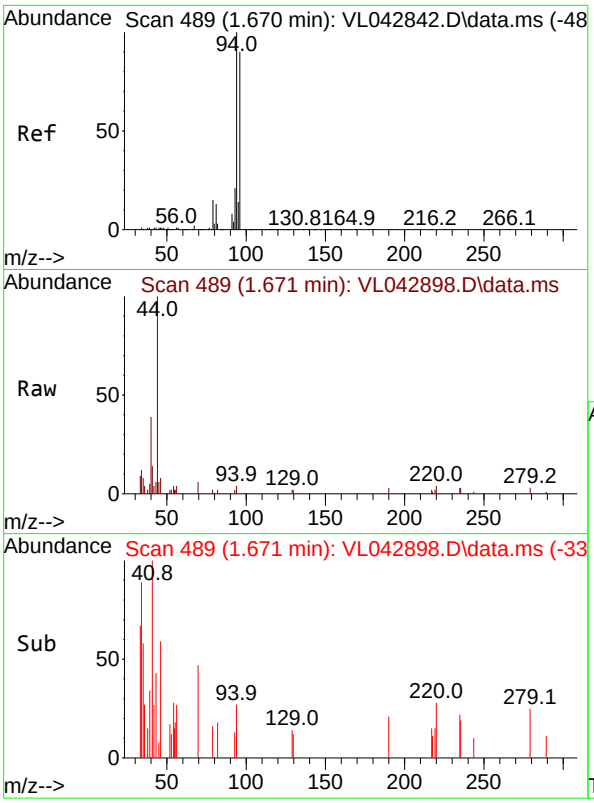


#4
Chloromethane
Concen: 0.075 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 50 Resp: 524

Ion	Ratio	Lower	Upper
50	100		
52	37.9	25.9	38.9



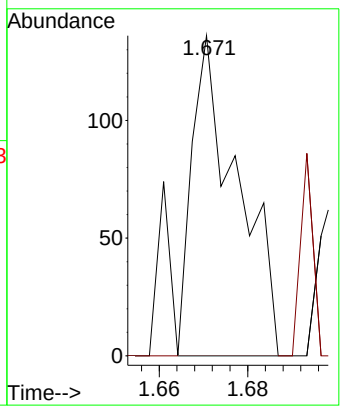


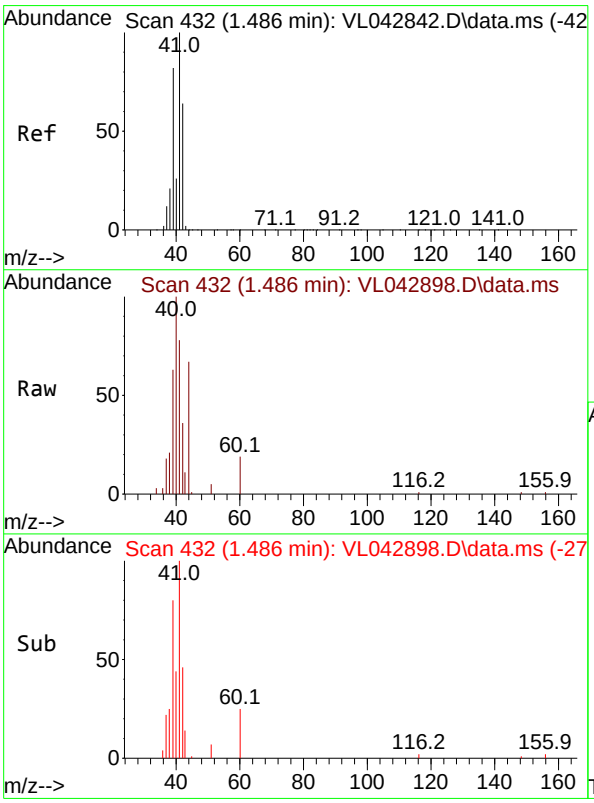
#6
Bromomethane
Concen: 0.035 ppbv
RT: 1.671 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 94 Resp: 97

Ion	Ratio	Lower	Upper
94	100		
96	0.0	72.1	108.1#

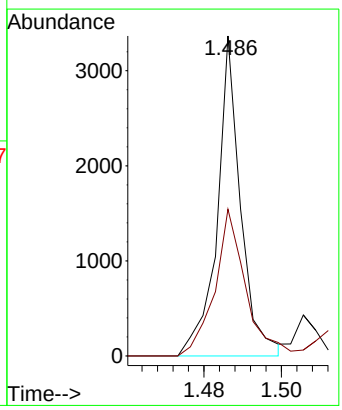


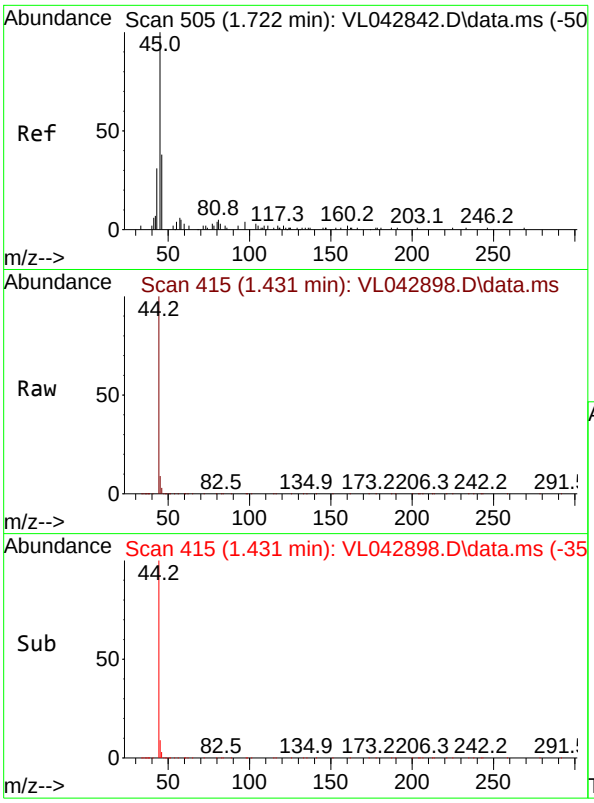


#9
Propene
Concen: 0.171 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 41 Resp: 1412

Ion	Ratio	Lower	Upper
41	100		
42	60.3	53.0	79.4



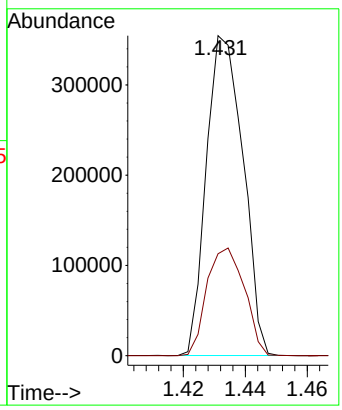


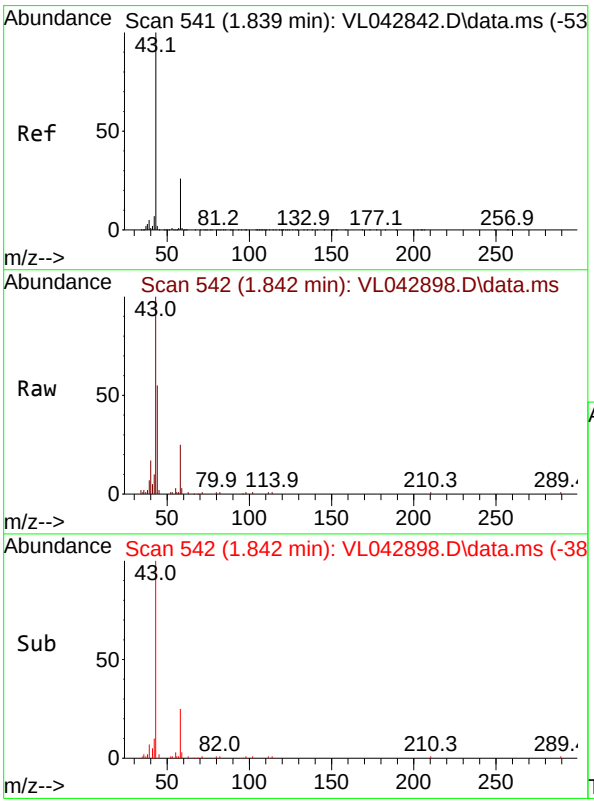
#13
Ethanol
Concen: 386.674 ppbv
RT: 1.431 min Scan# 4
Delta R.T. -0.291 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 291801

Ion	Ratio	Lower	Upper
45	100		
46	34.5	17.5	69.9

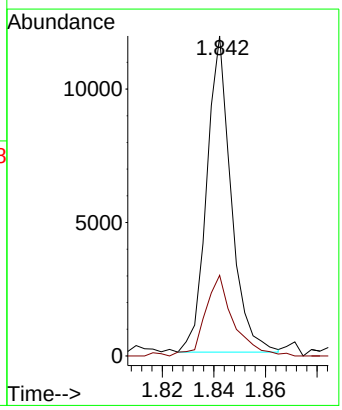


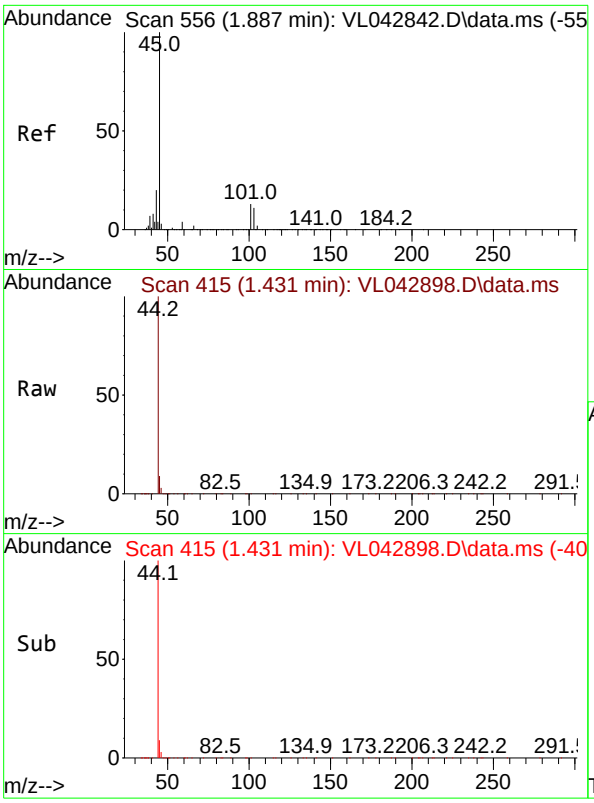


#15
Acetone
Concen: 0.499 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 43 Resp: 7789

Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.4	33.6



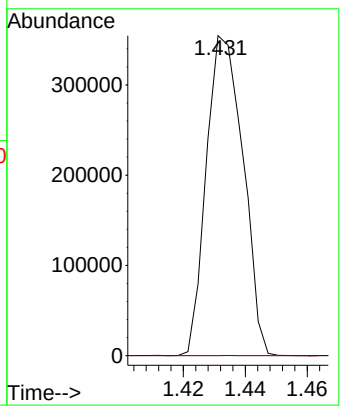


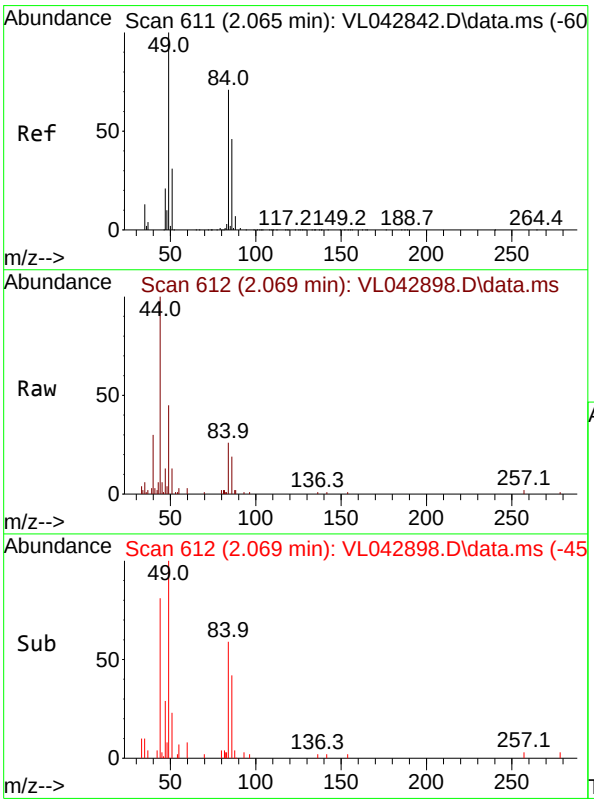
#19
Isopropyl Alcohol
Concen: 31.307 ppbv
RT: 1.431 min Scan# 4
Delta R.T. -0.456 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 291801

Ion	Ratio	Lower	Upper
45	100		
58	0.1	32.7	49.1#

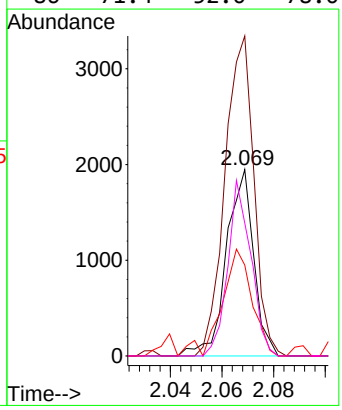


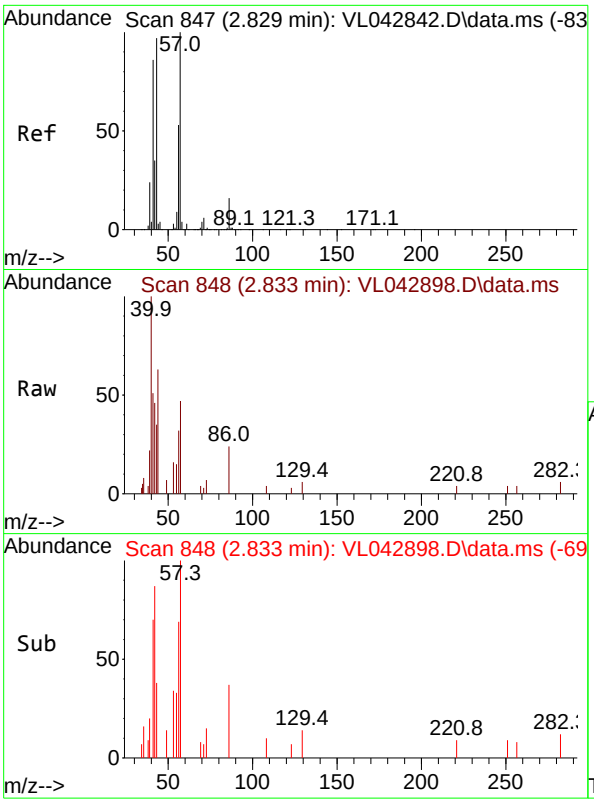


#20
Methylene Chloride
Concen: 0.219 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 84 Resp: 1433

Ion	Ratio	Lower	Upper
84	100		
49	171.7	112.3	168.5#
51	48.8	36.0	54.0
86	71.4	52.0	78.0



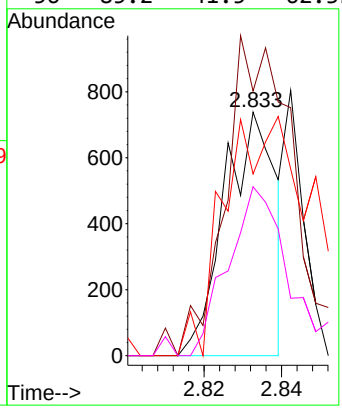


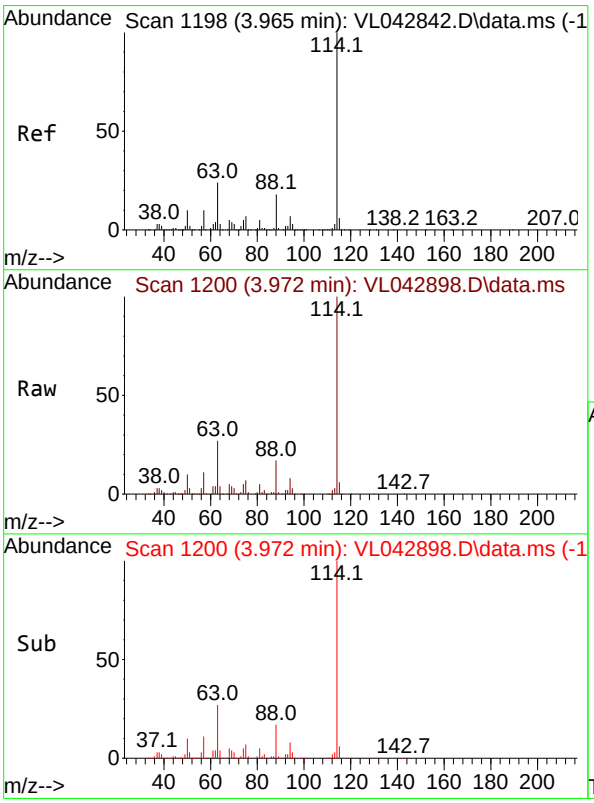
#26
Hexane
Concen: 0.039 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 677

Ion	Ratio	Lower	Upper
57	100		
41	179.6	68.6	103.0#
43	0.0	168.5	252.7#
56	85.2	41.5	62.3#

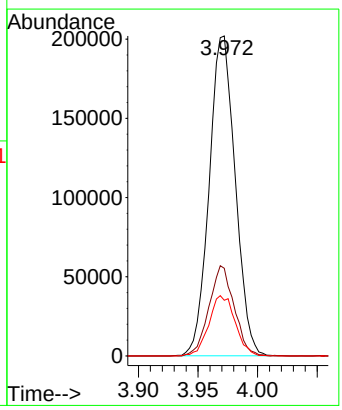


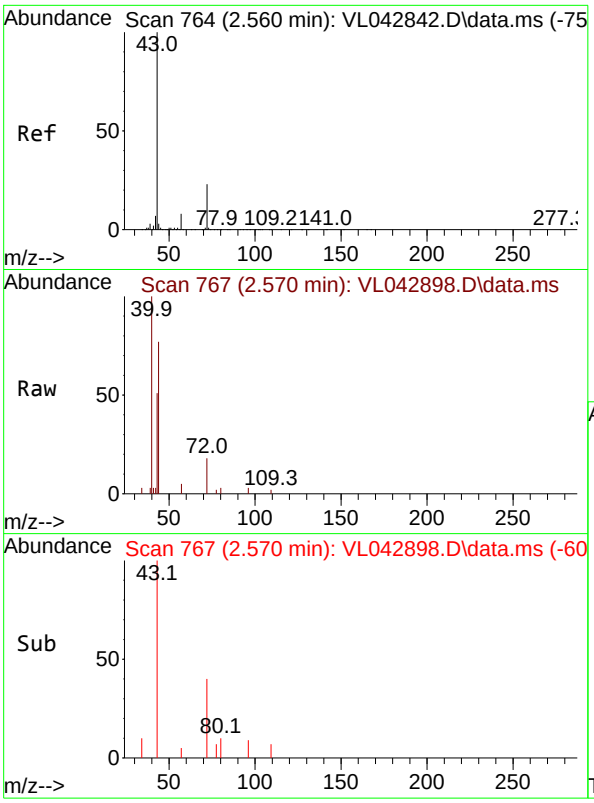


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.007 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion:114 Resp: 306966

Ion	Ratio	Lower	Upper
114	100		
63	27.2	19.7	29.5
88	19.1	14.4	21.6



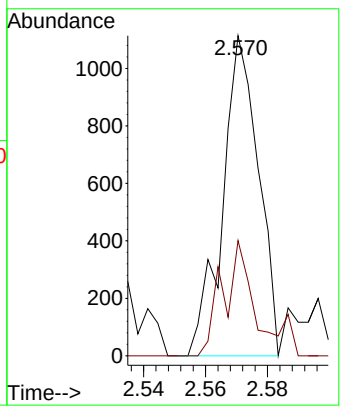


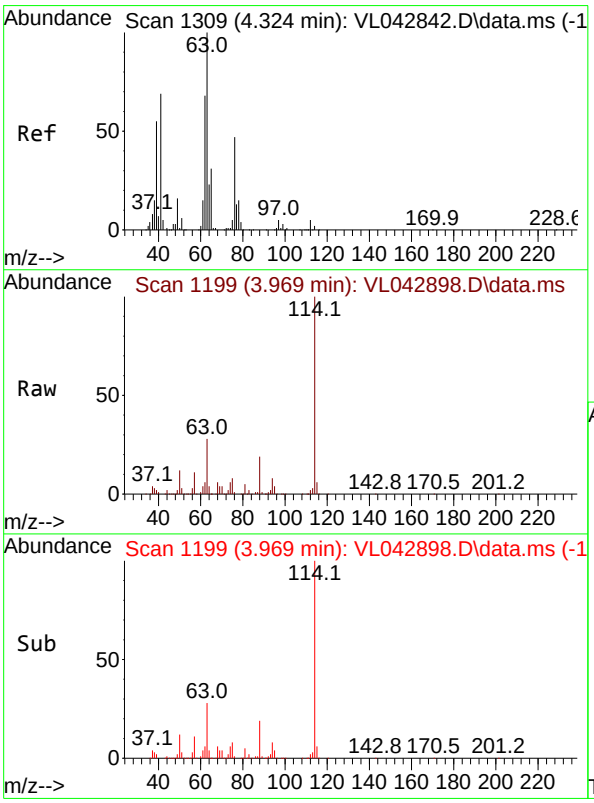
#34
2-Butanone
Concen: 0.043 ppbv
RT: 2.570 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 897

Ion	Ratio	Lower	Upper
43	100		
72	33.3	18.6	28.0#

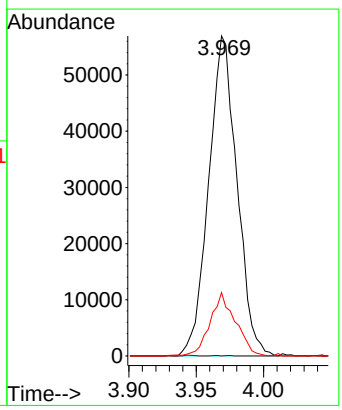


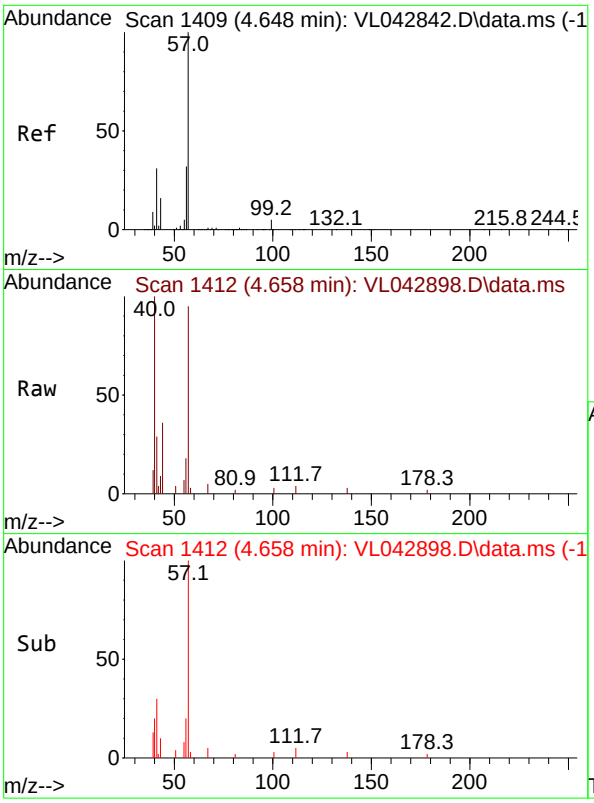


#39
1,2-Dichloropropane
Concen: 7.752 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. -0.356 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 63 Resp: 83227

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.0	82.4#
62	19.5	54.4	81.6#



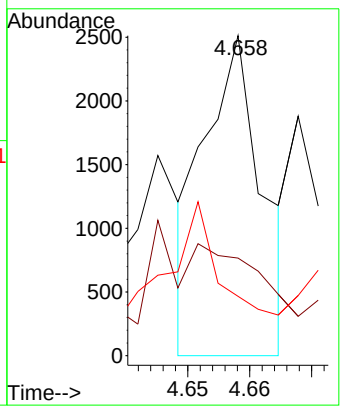


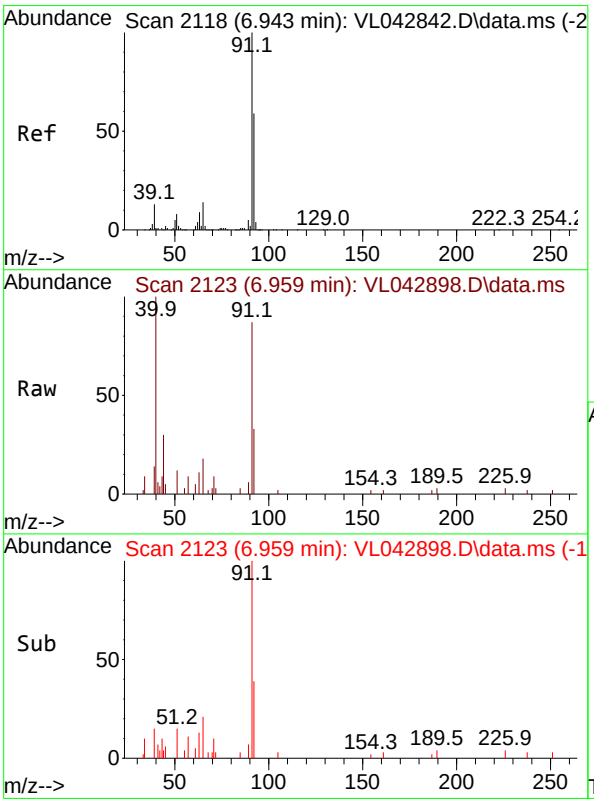
#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 4.658 min Scan# 14
Delta R.T. 0.010 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 1642

Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.8	37.2#
56	0.0	25.5	38.3#

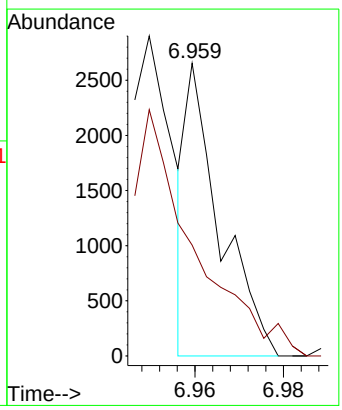


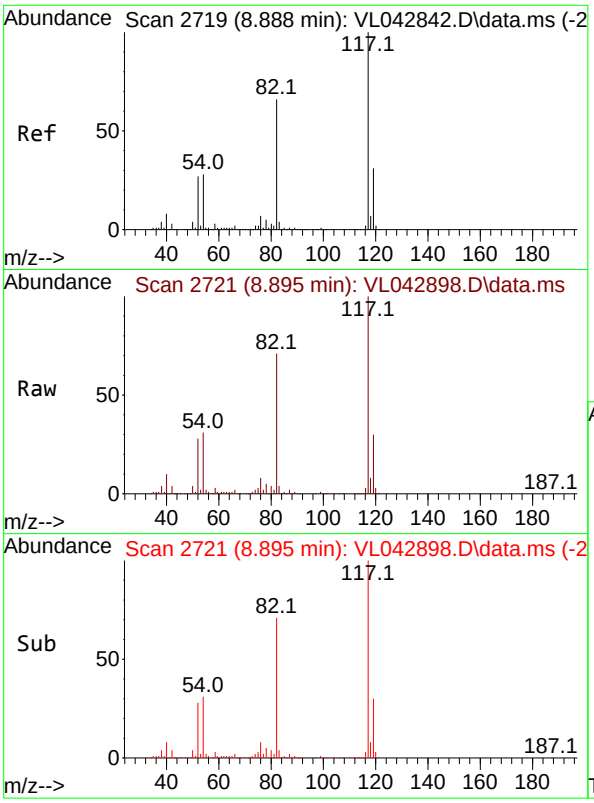


#53
Toluene
Concen: 0.040 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. 0.016 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 91 Resp: 1410

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.8	71.6#



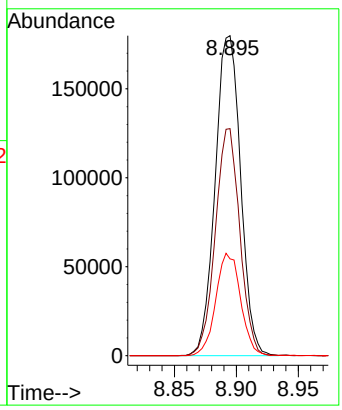


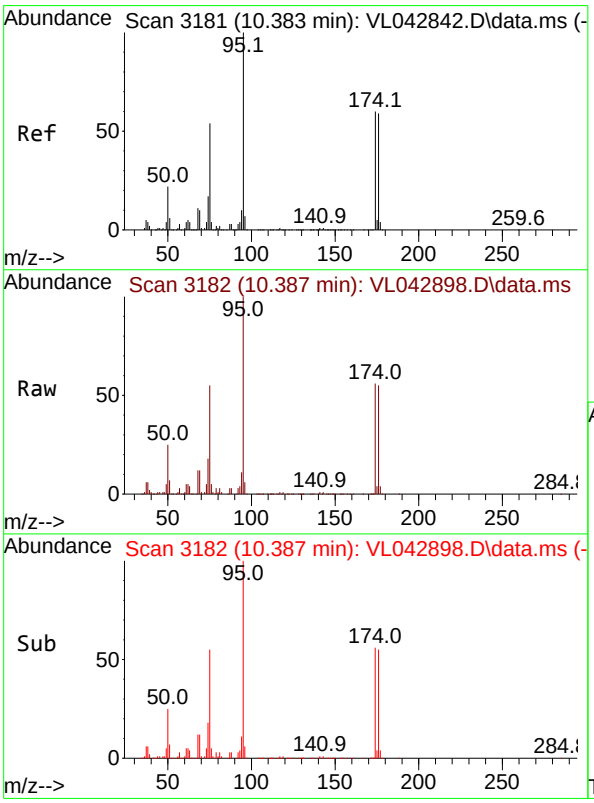
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 257848

Ion	Ratio	Lower	Upper
117	100		
82	68.3	54.6	81.8
119	31.2	25.9	38.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.112 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.004 min
Lab File: VL042898.D
Acq: 04 Sep 2025 19:55

Tgt Ion: 95 Resp: 195543

Ion	Ratio	Lower	Upper
95	100		
174	55.9	48.4	72.6
175	4.0	3.8	5.8