Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023917.D
Acq On : 09 Dec 2025 18:37
Operator : SY/MD
Sample : Q3809-14
Misc : 3.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Quant Time: Dec 10 02:33:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	804825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1379198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1200410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	507538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	390592	48.514	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.020%		
35) Dibromofluoromethane	7.640	113	436012	49.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.580%		
50) Toluene-d8	10.109	98	1579476	45.885	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.780%		
62) 4-Bromofluorobenzene	12.408	95	485231	41.329	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.660%		
Target Compounds						Qvalue
16) Acetone	3.891	43	25546	10.589	ug/l	90
17) Carbon Disulfide	4.116	76	96754	4.224	ug/l	100
52) Toluene	10.176	92	303385	12.288	ug/l	100
67) Ethyl Benzene	11.524	91	337192	7.119	ug/l	97
68) m/p-Xylenes	11.627	106	558976	30.875	ug/l	96
69) o-Xylene	11.956	106	154012	9.095	ug/l	99
78) n-propylbenzene	12.597	91	114436	2.536	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	101711	3.348	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	381768	12.683	ug/l	95

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

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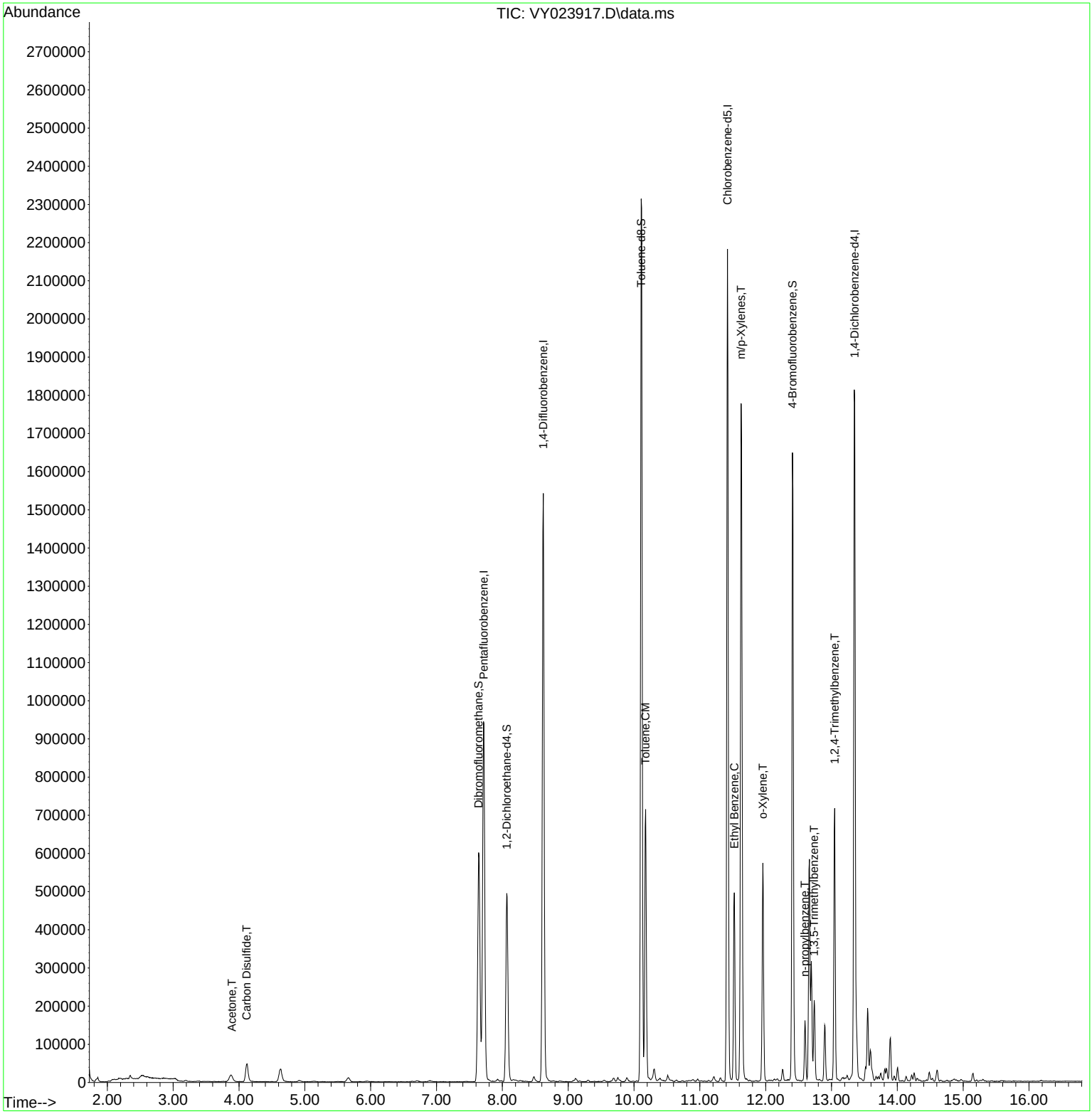
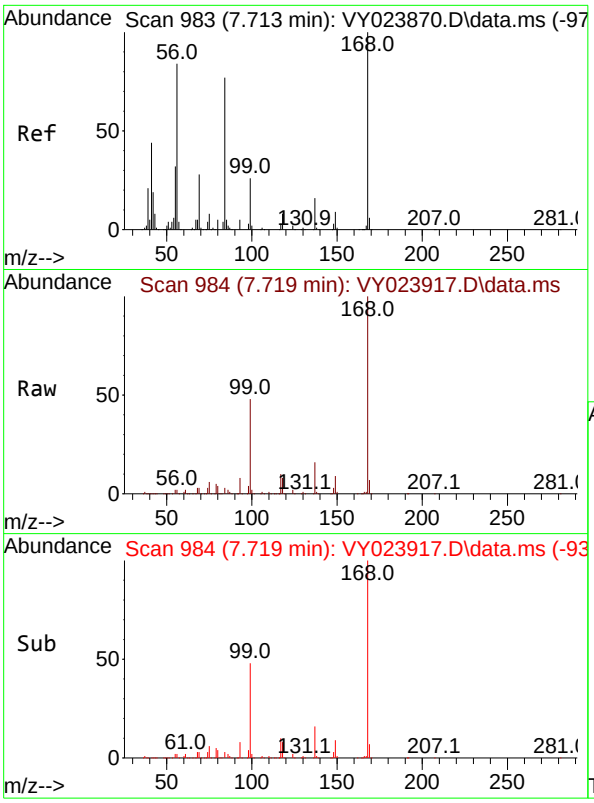


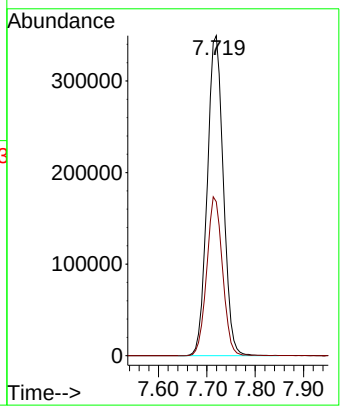


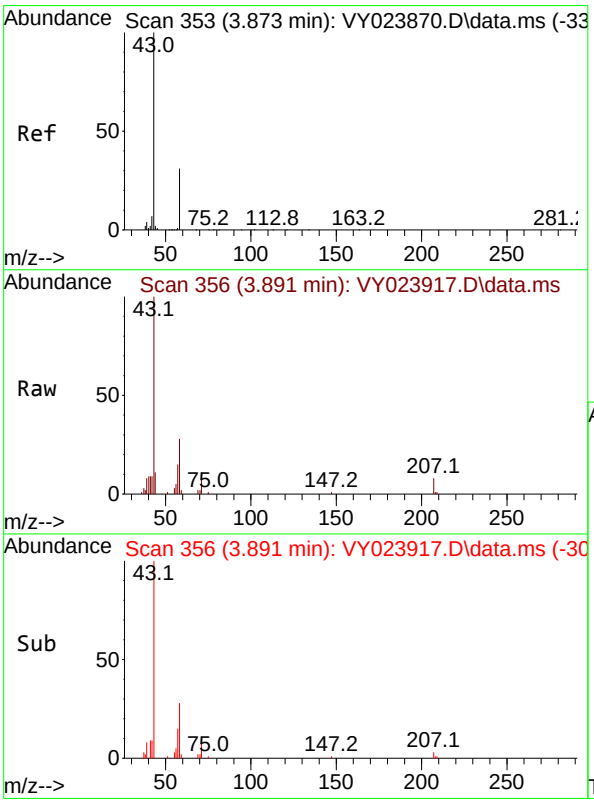
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:168 Resp: 804825

Ion	Ratio	Lower	Upper
168	100		
99	48.1	42.5	63.7

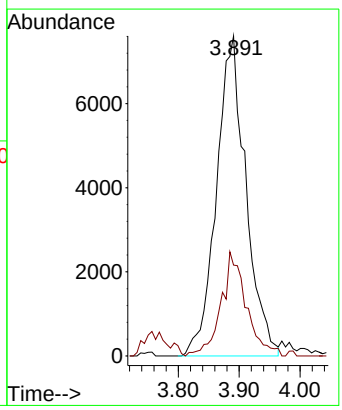


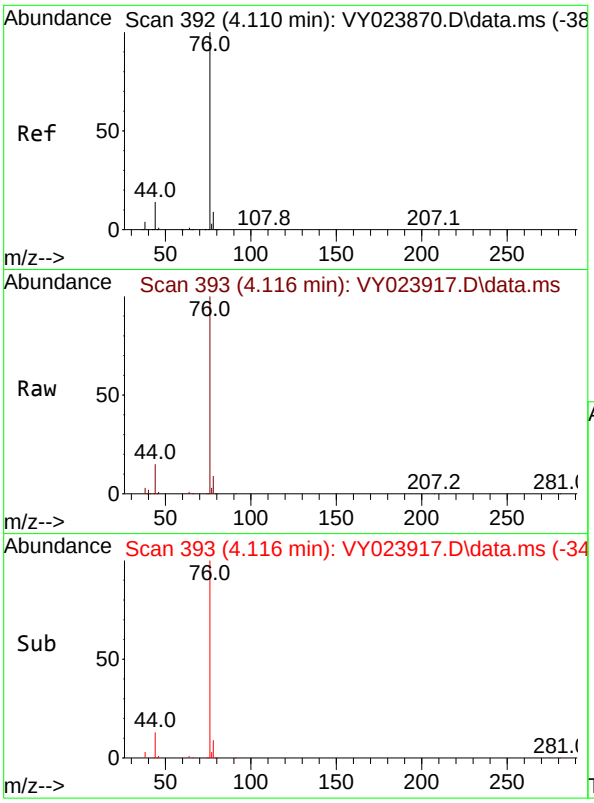


#16
Acetone
Concen: 10.589 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion: 43 Resp: 25546

Ion	Ratio	Lower	Upper
43	100		
58	26.0	25.1	37.7



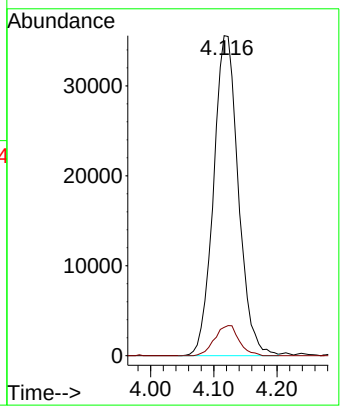


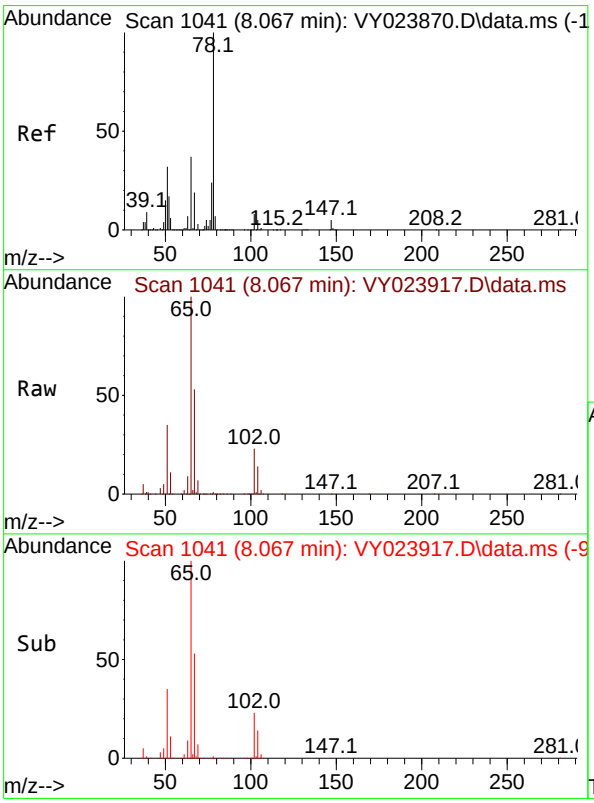
#17
Carbon Disulfide
Concen: 4.224 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion: 76 Resp: 96754

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

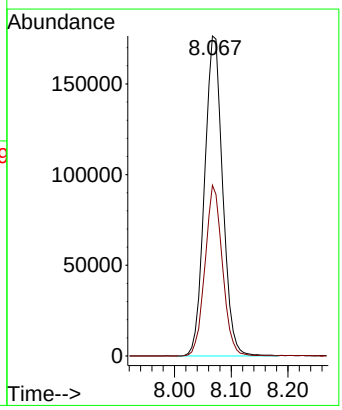


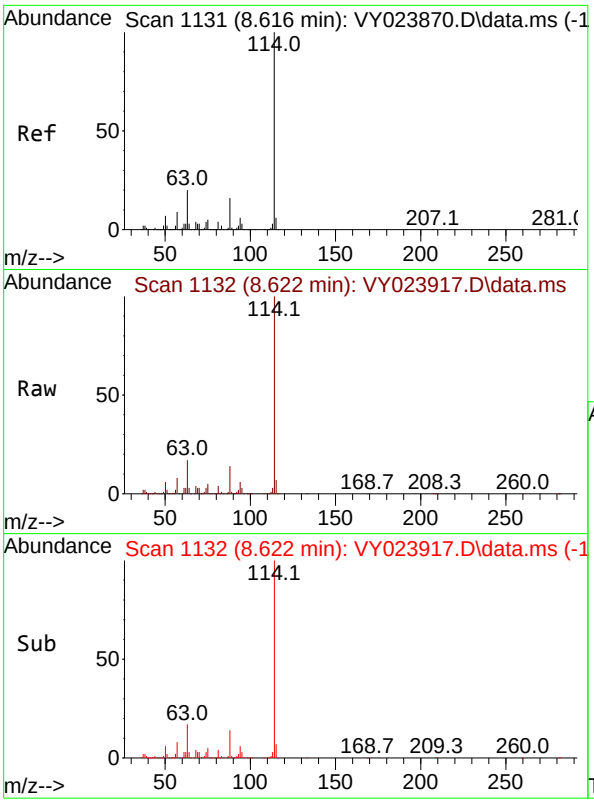


#33
1,2-Dichloroethane-d4
Concen: 48.514 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion: 65 Resp: 390592

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.2



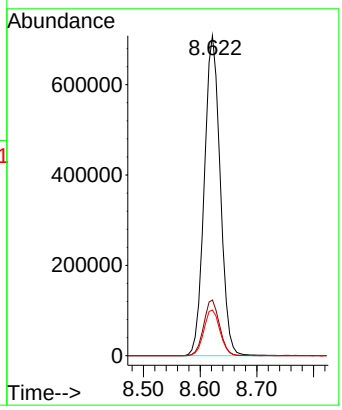


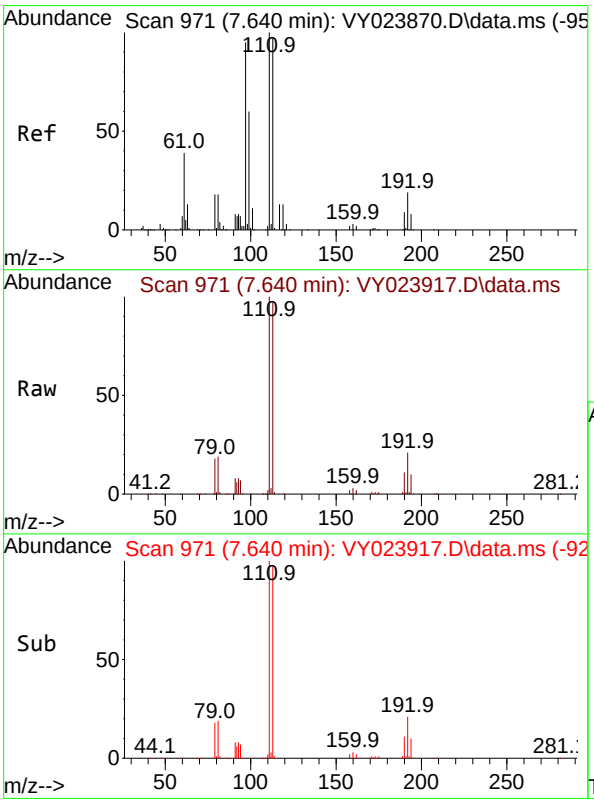
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:114 Resp: 1379198

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	39.2
88	14.2	0.0	31.4

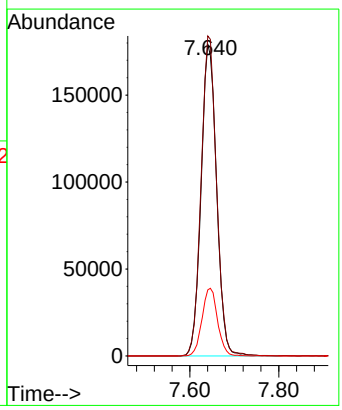


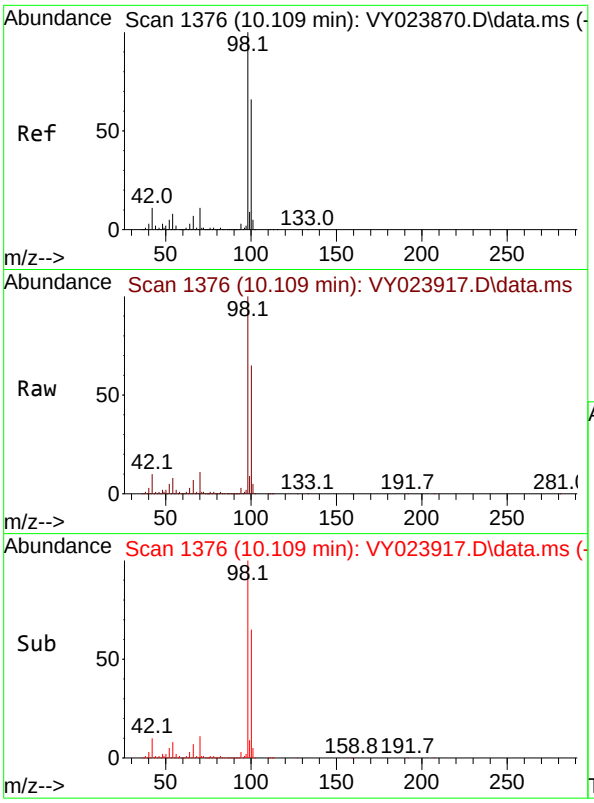


#35
Dibromofluoromethane
Concen: 49.290 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion:113 Resp: 436012

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	21.8	15.8	23.8



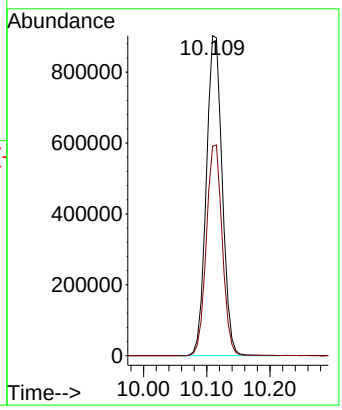


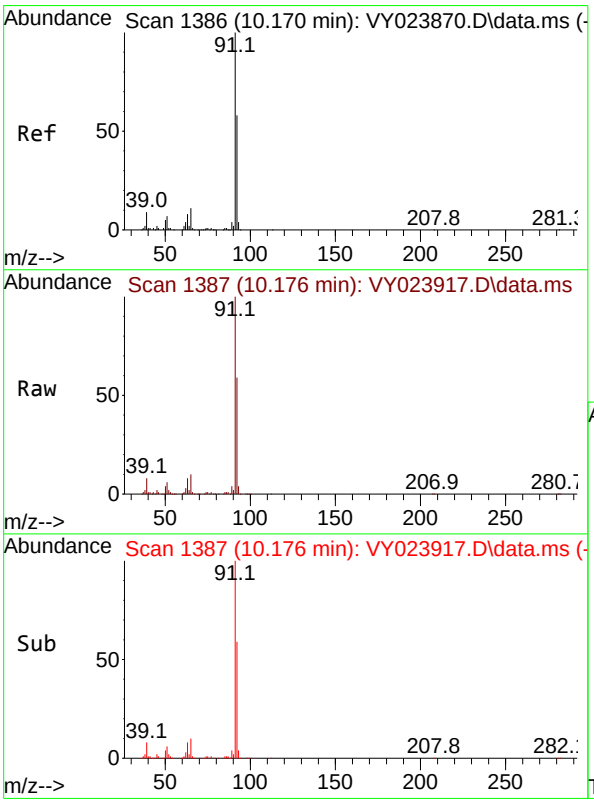
#50
Toluene-d8
Concen: 45.885 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion: 98 Resp: 1579476

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.5	78.7

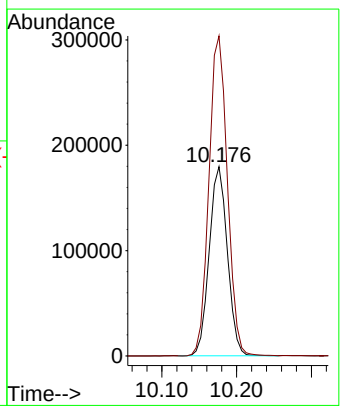


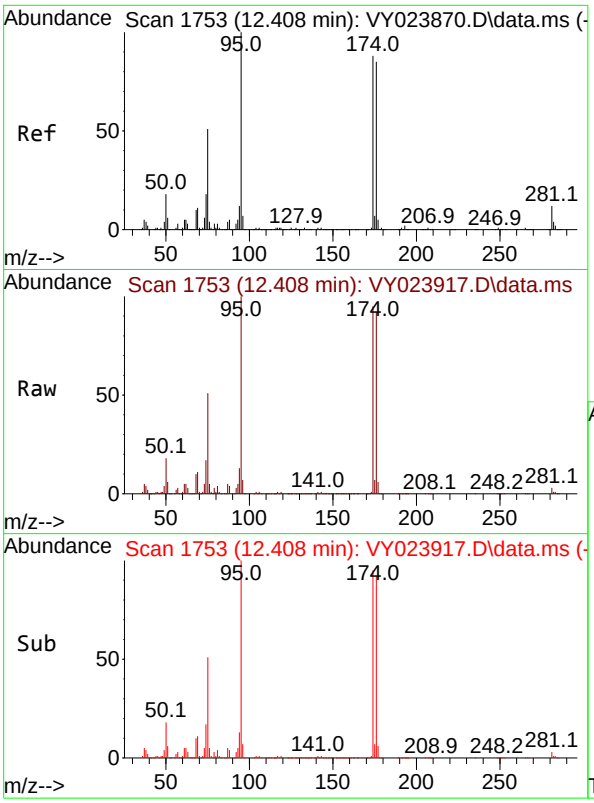


#52
Toluene
Concen: 12.288 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion: 92 Resp: 303385

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.3	205.9



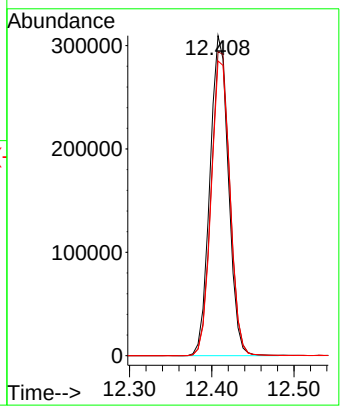


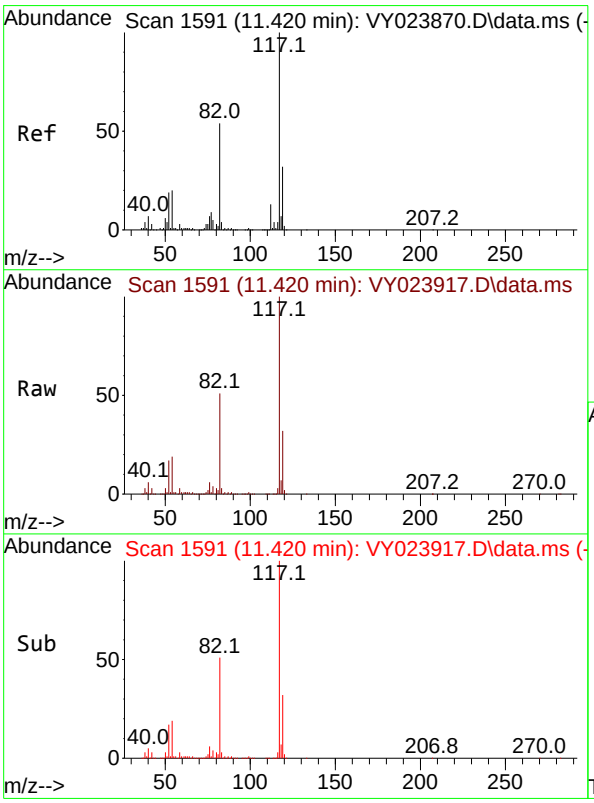
#62
4-Bromofluorobenzene
Concen: 41.329 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion: 95 Resp: 485231

Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	169.6
176	93.4	0.0	164.4

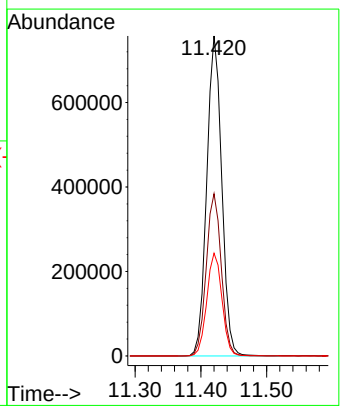


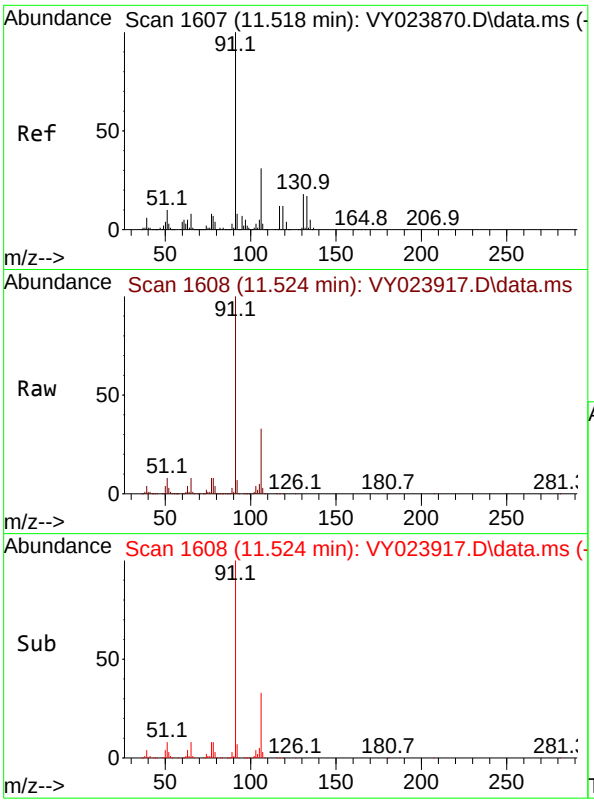


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion:117 Resp: 1200410

Ion	Ratio	Lower	Upper
117	100		
82	50.7	43.1	64.7
119	32.1	26.0	39.0



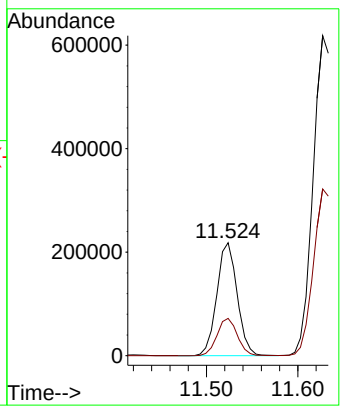


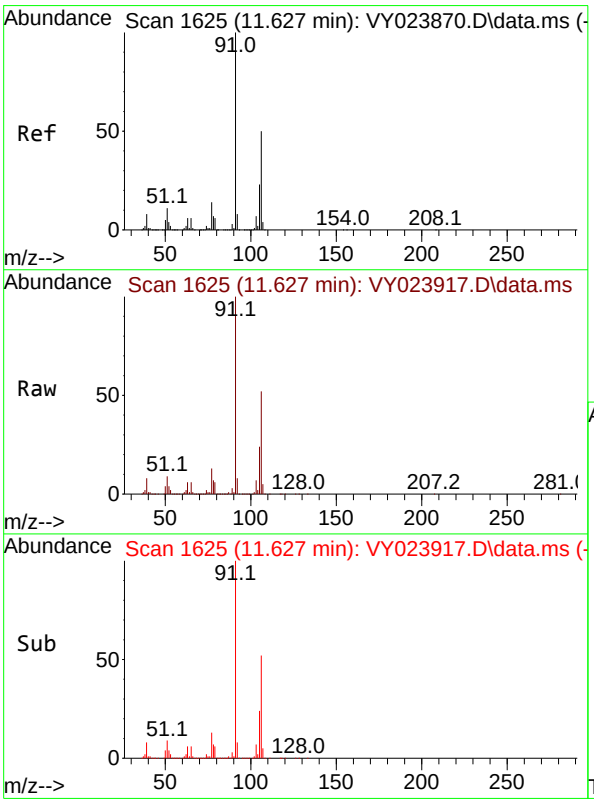
#67
Ethyl Benzene
Concen: 7.119 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion: 91 Resp: 337192

Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.0	37.6

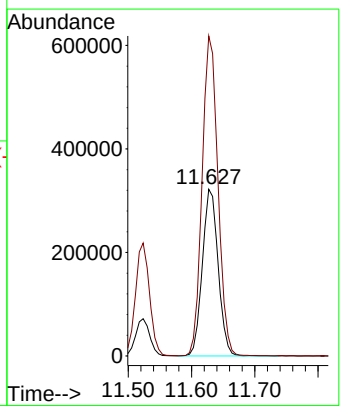


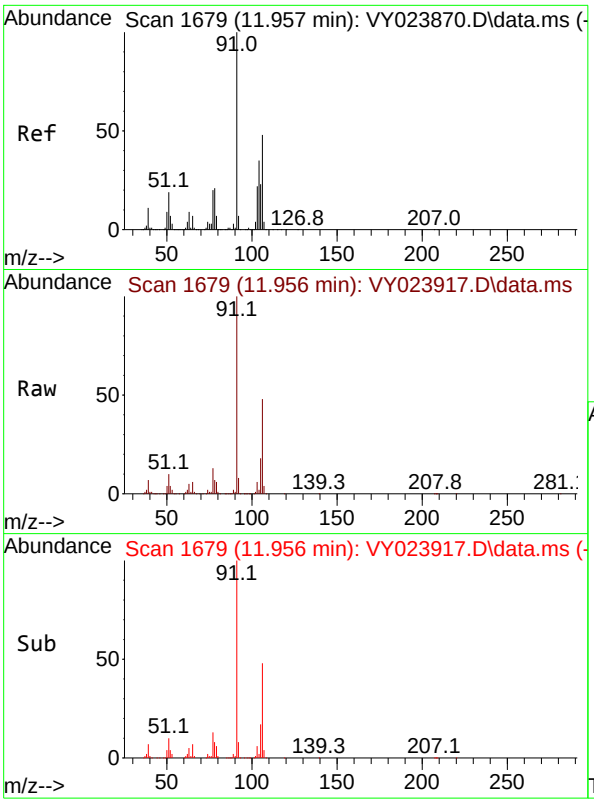


#68
m/p-Xylenes
Concen: 30.875 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion:106 Resp: 558976

Ion	Ratio	Lower	Upper
106	100		
91	193.2	159.7	239.5



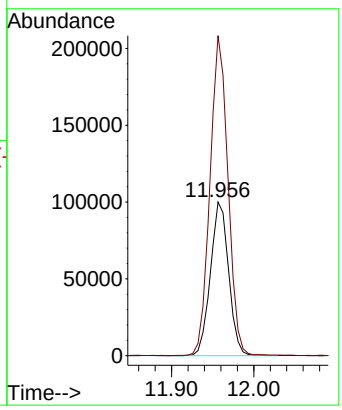


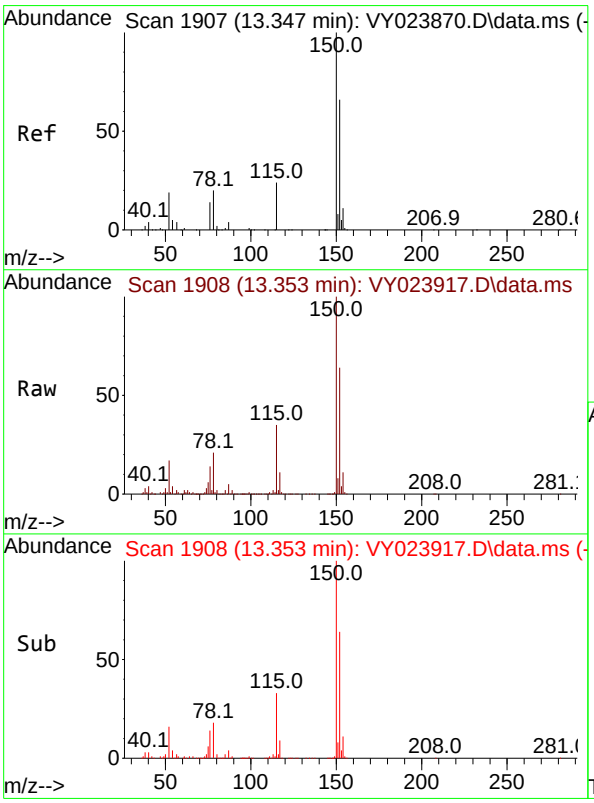
#69
o-Xylene
Concen: 9.095 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:106 Resp: 154012

Ion	Ratio	Lower	Upper
106	100		
91	206.5	104.4	313.1

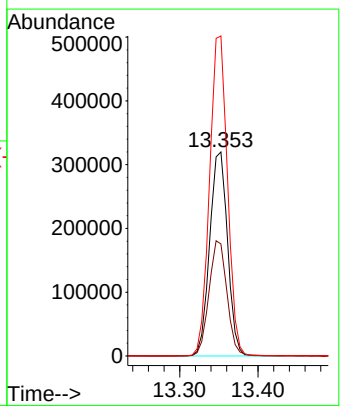


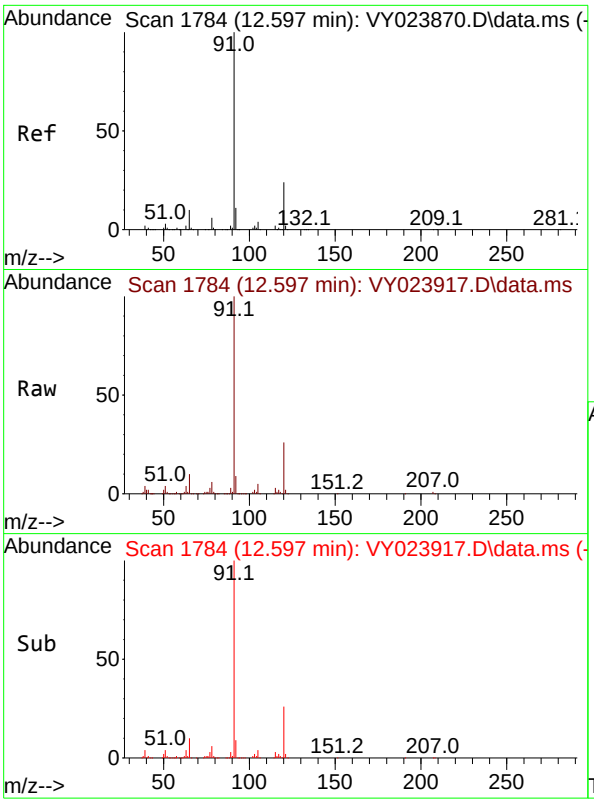


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion:152 Resp: 507538

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.8	86.4
150	156.9	0.0	352.2



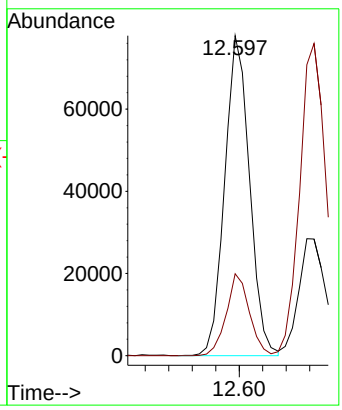


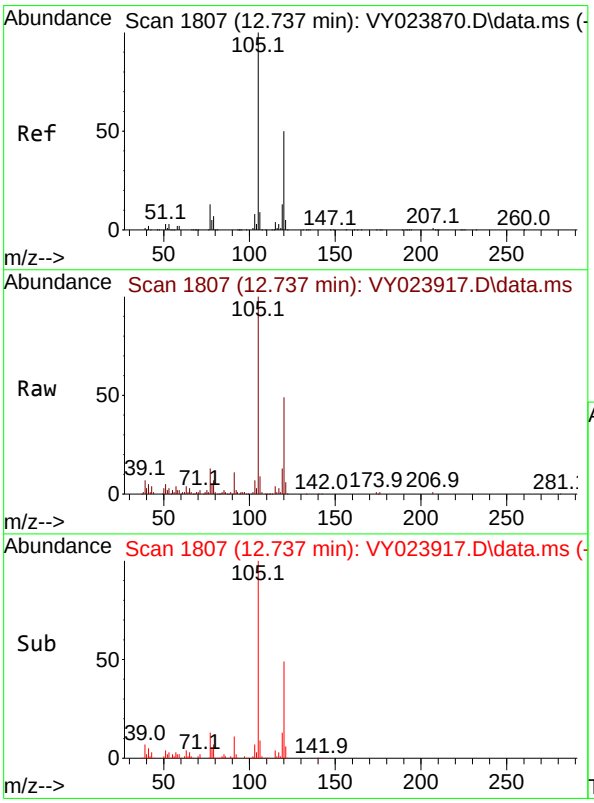
#78
n-propylbenzene
Concen: 2.536 ug/l
RT: 12.597 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion: 91 Resp: 114436

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.5	34.5

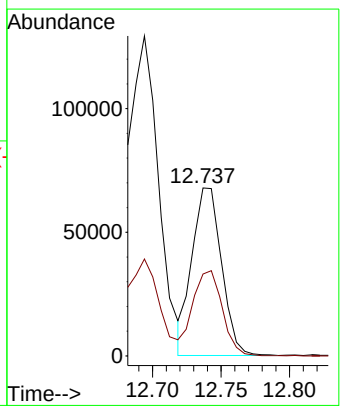


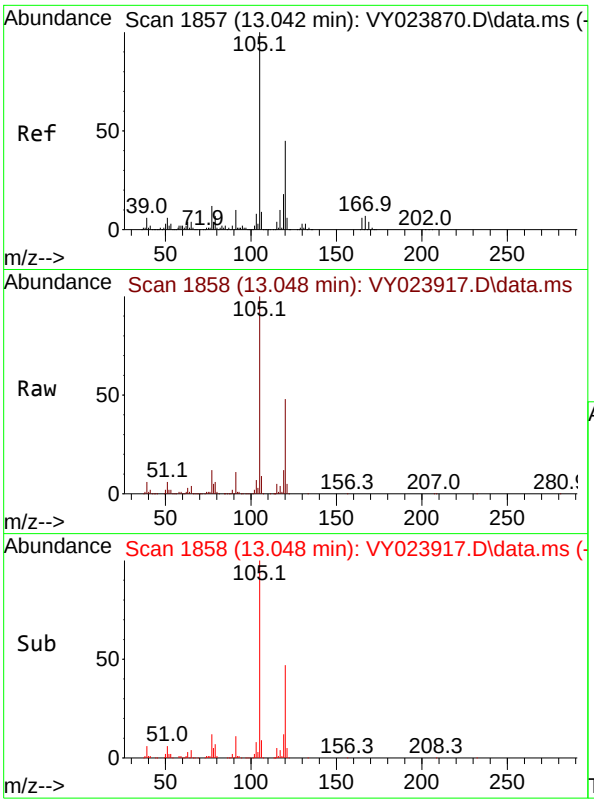


#80
1,3,5-Trimethylbenzene
Concen: 3.348 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Tgt Ion:105 Resp: 101711

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6





#84
1,2,4-Trimethylbenzene
Concen: 12.683 ug/l
RT: 13.048 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023917.D
Acq: 09 Dec 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:105 Resp: 381768

Ion	Ratio	Lower	Upper
105	100		
120	48.2	22.4	67.3