Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
Data File : VY021706.D
Acq On : 28 Mar 2025 20:42
Operator : SY/MD
Sample : Q1663-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 28 23:49:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	208470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	395423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138249	61.207	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.420%			
35) Dibromofluoromethane	7.634	113	133334	51.981	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.960%			
50) Toluene-d8	10.109	98	499345	51.172	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.408	95	164453	49.824	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.640%			
Target Compounds						Qvalue
16) Acetone	3.873	43	6994	15.130	ug/l	92
17) Carbon Disulfide	4.110	76	15183	2.108	ug/l #	93
20) Methylene Chloride	4.610	84	24226	7.416	ug/l	93
39) Methylcyclohexane	9.109	83	21992	4.712	ug/l	93
40) Benzene	8.079	78	369375	31.569	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	21728	11.949	ug/l	99
52) Toluene	10.170	92	340759	46.679	ug/l	100
67) Ethyl Benzene	11.518	91	99289	6.837	ug/l	98
68) m/p-Xylenes	11.621	106	214057	38.494	ug/l	100
69) o-Xylene	11.956	106	130367	25.397	ug/l	98
73) Isopropylbenzene	12.255	105	12040	1.048	ug/l	95
78) n-propylbenzene	12.597	91	20126	1.458	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	81361	8.667	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	173631	18.715	ug/l	98
95) Naphthalene	15.145	128	2874540	676.152	ug/l	100

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

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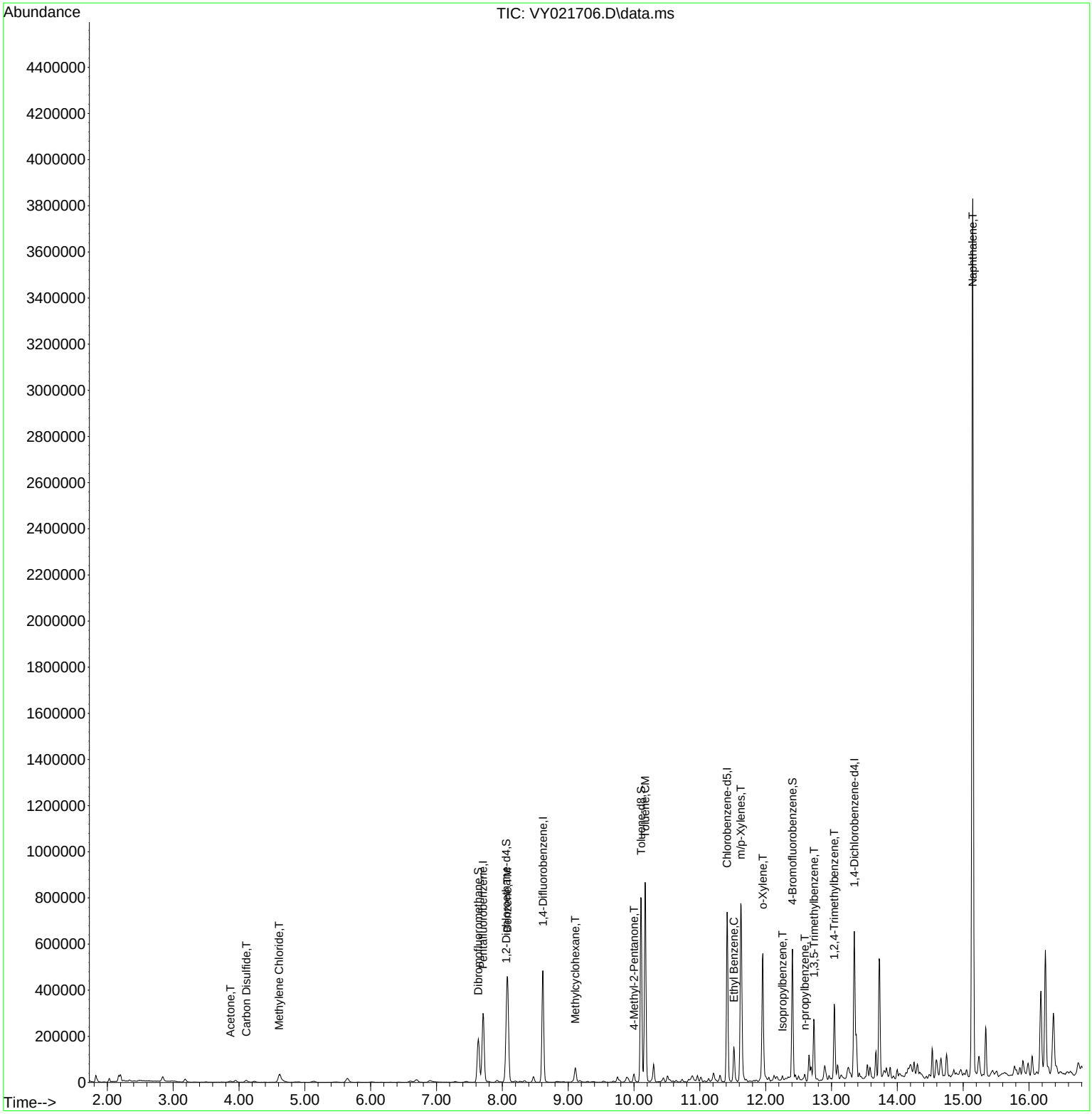
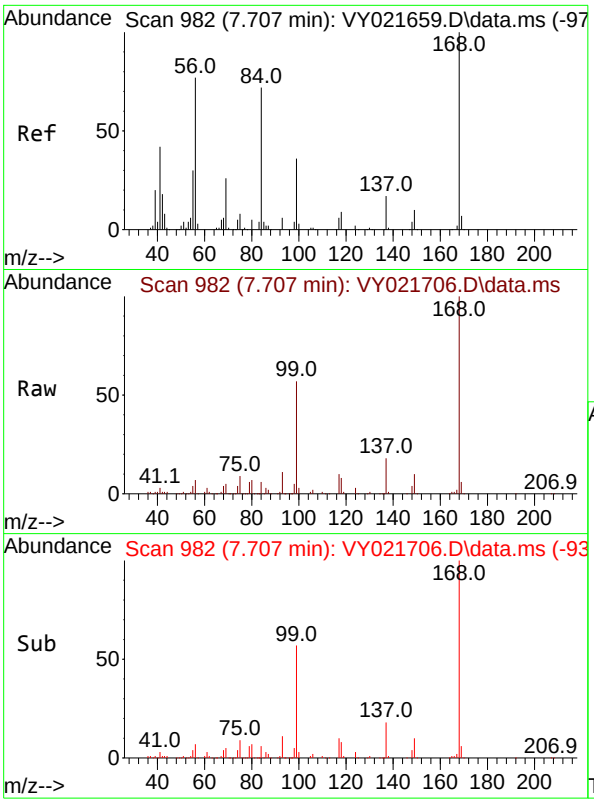


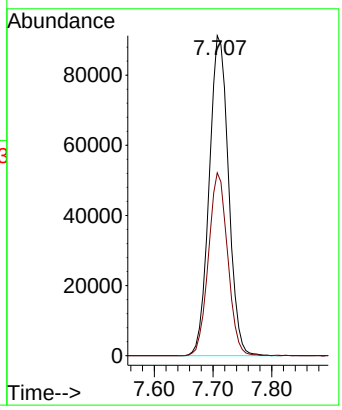


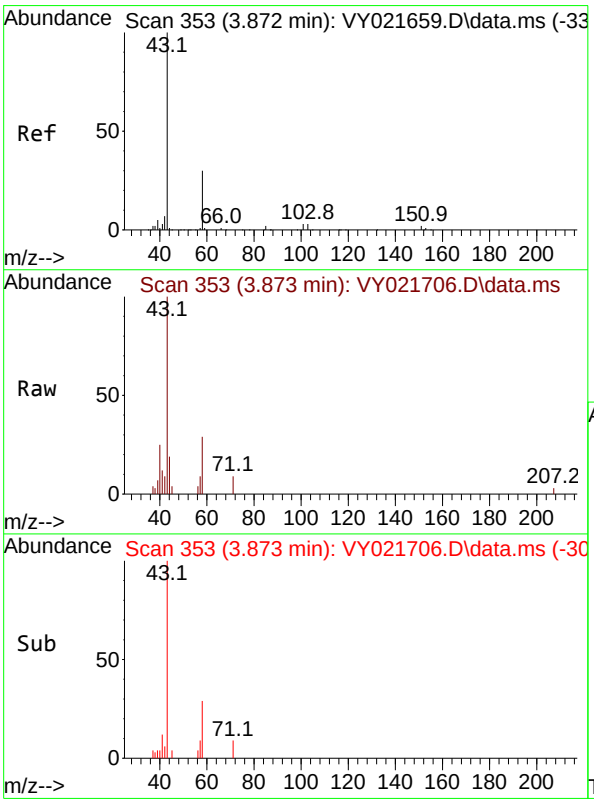
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 208470

Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1

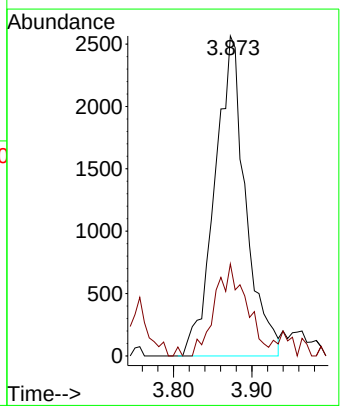


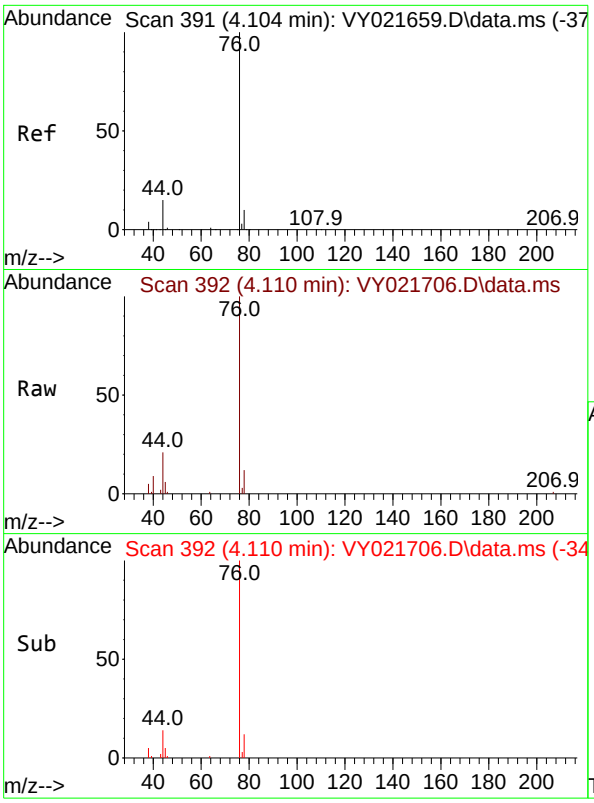


#16
Acetone
Concen: 15.130 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion: 43 Resp: 6994

Ion	Ratio	Lower	Upper
43	100		
58	25.9	24.2	36.4



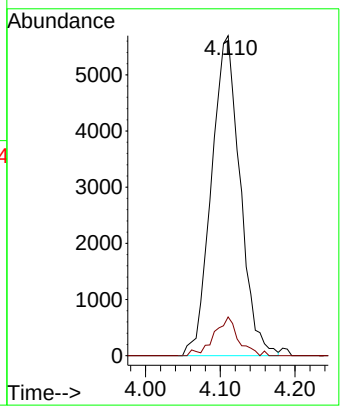


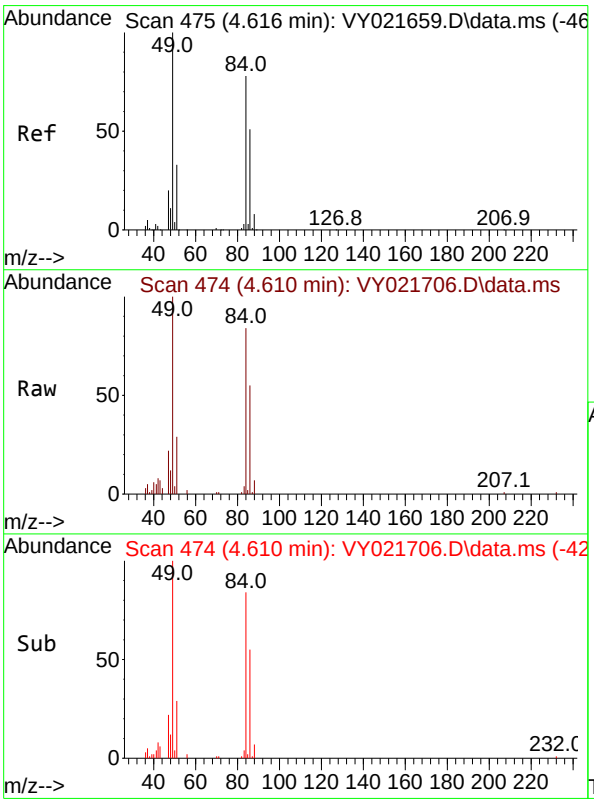
#17
Carbon Disulfide
Concen: 2.108 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 15183

Ion	Ratio	Lower	Upper
76	100		
78	12.1	7.6	11.4#

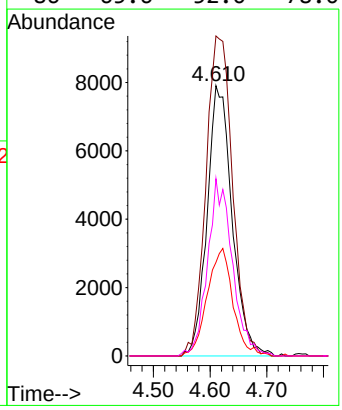


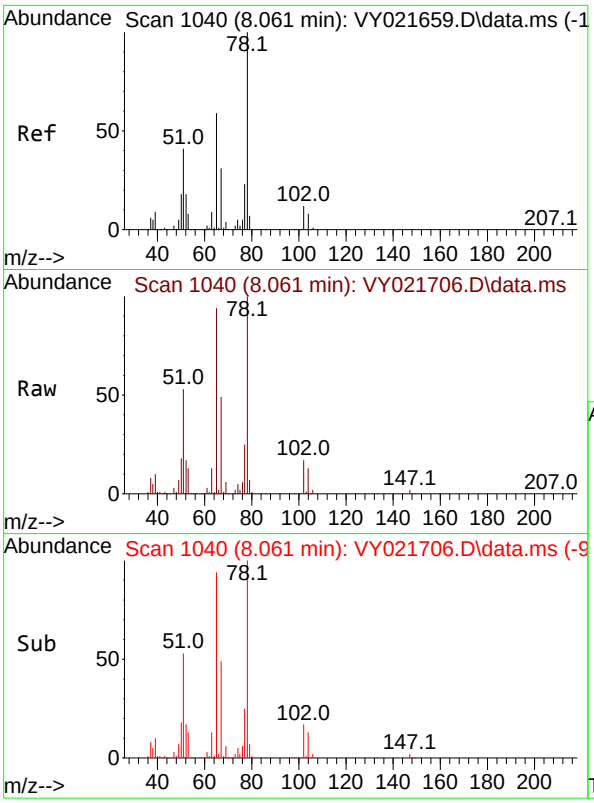


#20
Methylene Chloride
Concen: 7.416 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion: 84 Resp: 24226

Ion	Ratio	Lower	Upper
84	100		
49	118.4	102.8	154.2
51	34.6	33.5	50.3
86	65.6	52.0	78.0



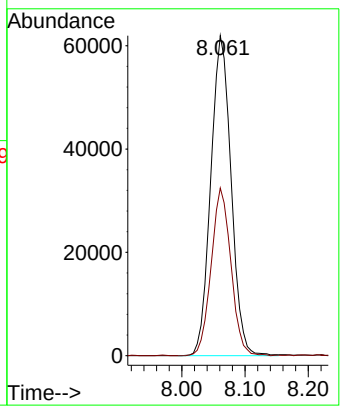


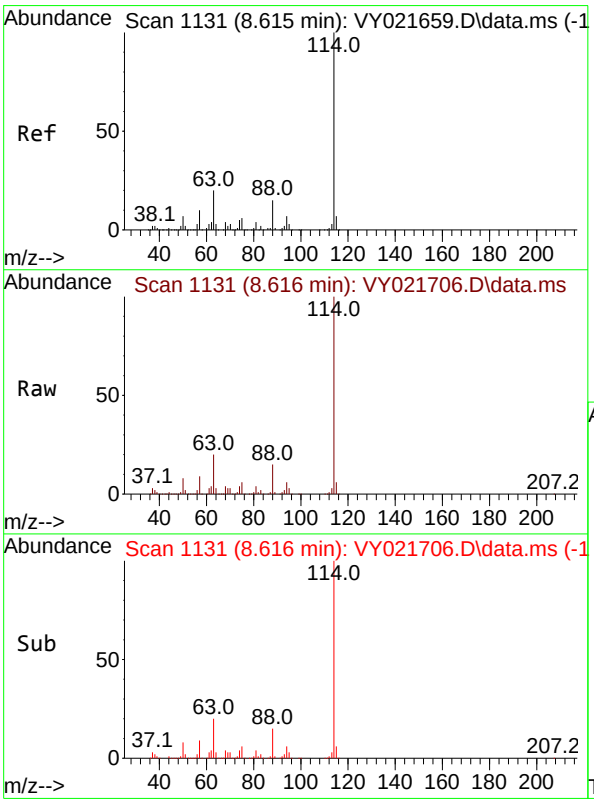
#33
1,2-Dichloroethane-d4
Concen: 61.207 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 65 Resp: 138249

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	104.6

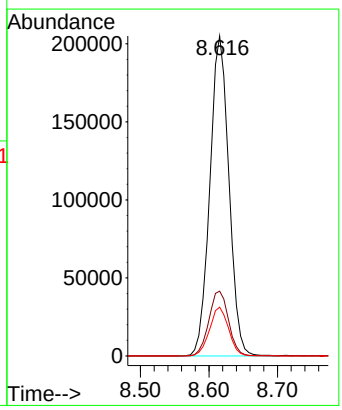


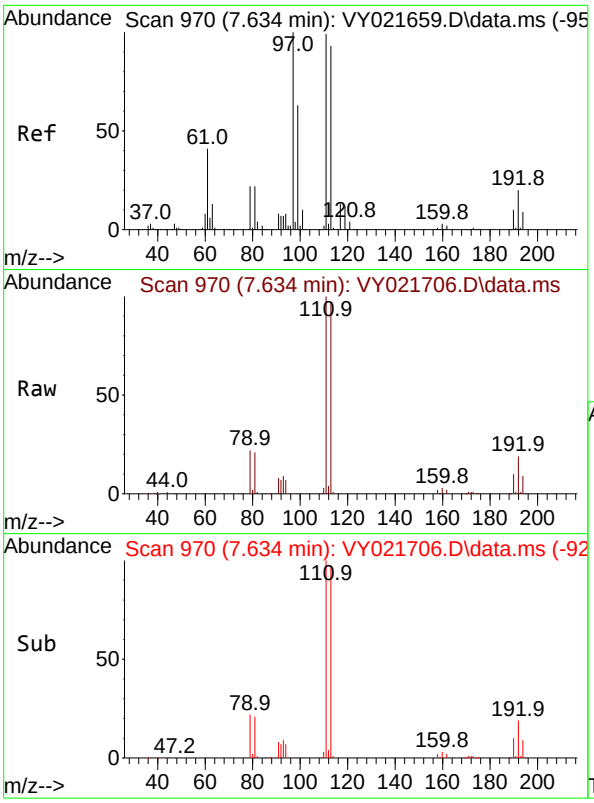


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion:114 Resp: 395423

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.2	0.0	29.8



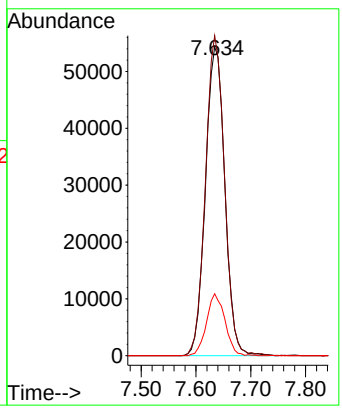


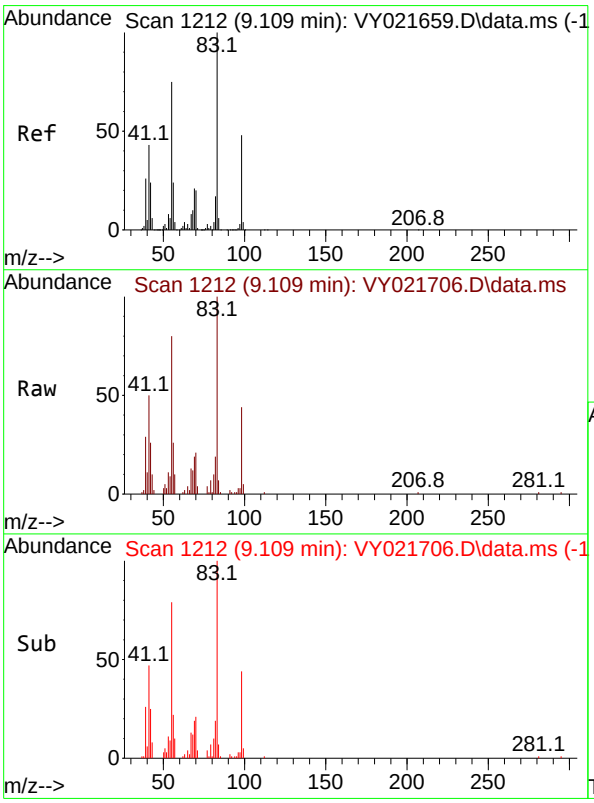
#35
Dibromofluoromethane
Concen: 51.981 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:113 Resp: 133334

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	19.1	16.2	24.4

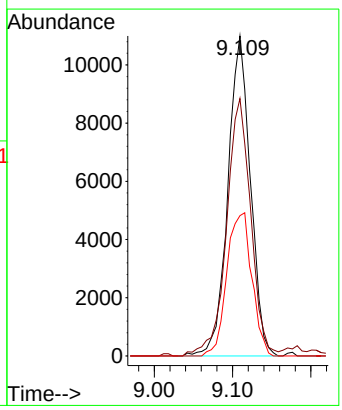


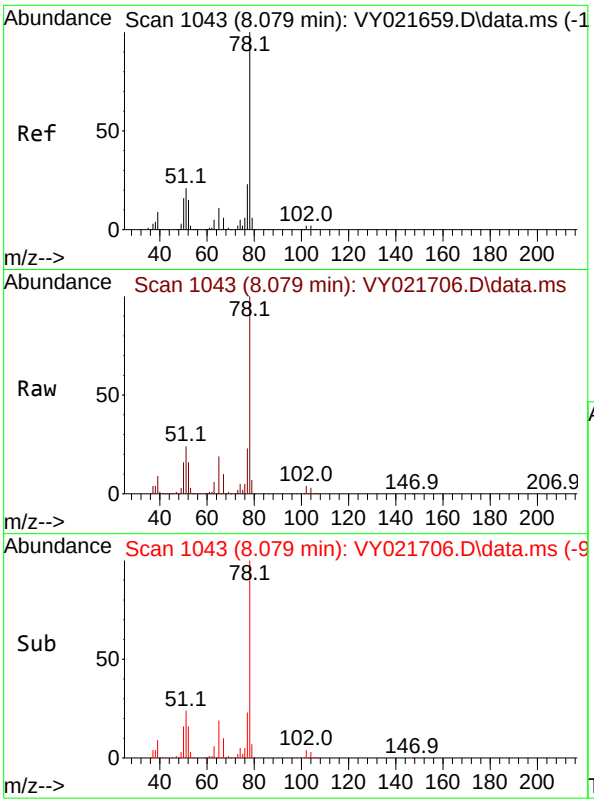


#39
Methylcyclohexane
Concen: 4.712 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion: 83 Resp: 21992

Ion	Ratio	Lower	Upper
83	100		
55	80.4	59.7	89.5
98	43.8	38.3	57.5



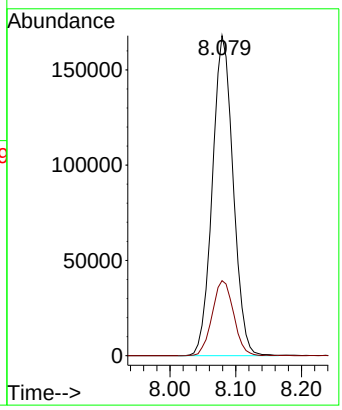


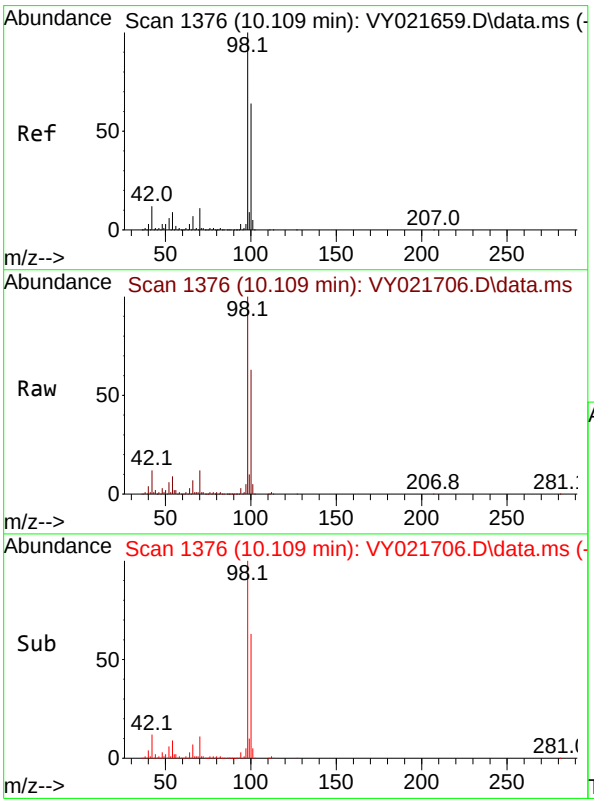
#40
Benzene
Concen: 31.569 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 78 Resp: 369375

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

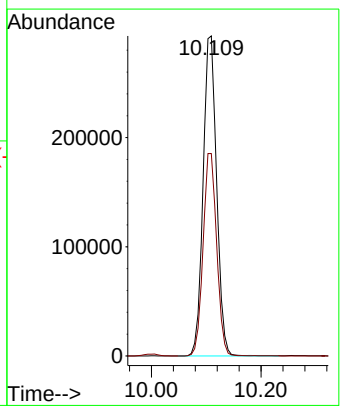


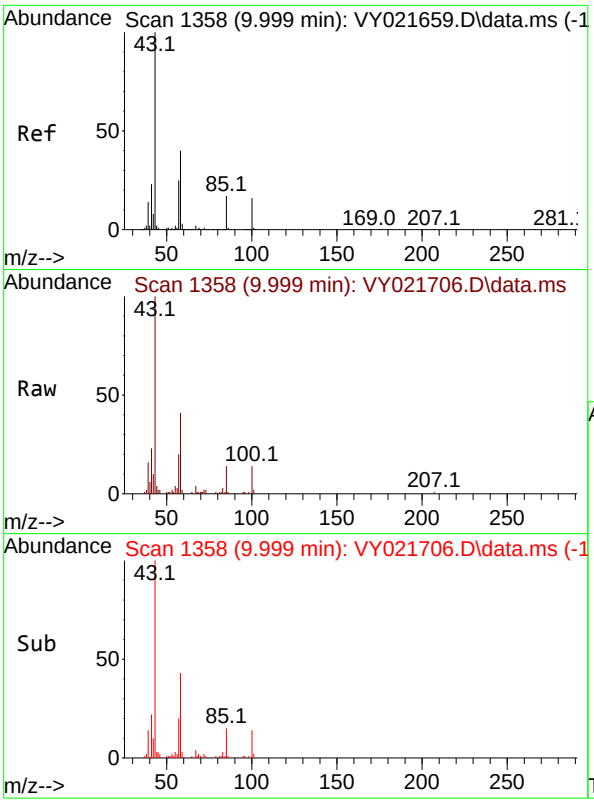


#50
Toluene-d8
Concen: 51.172 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion: 98 Resp: 499345

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.1	78.1



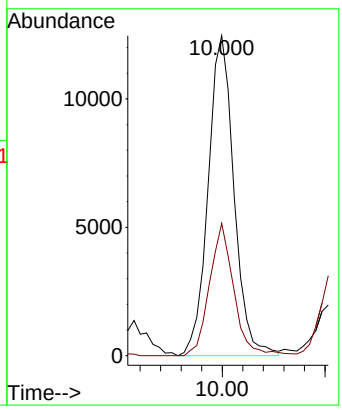


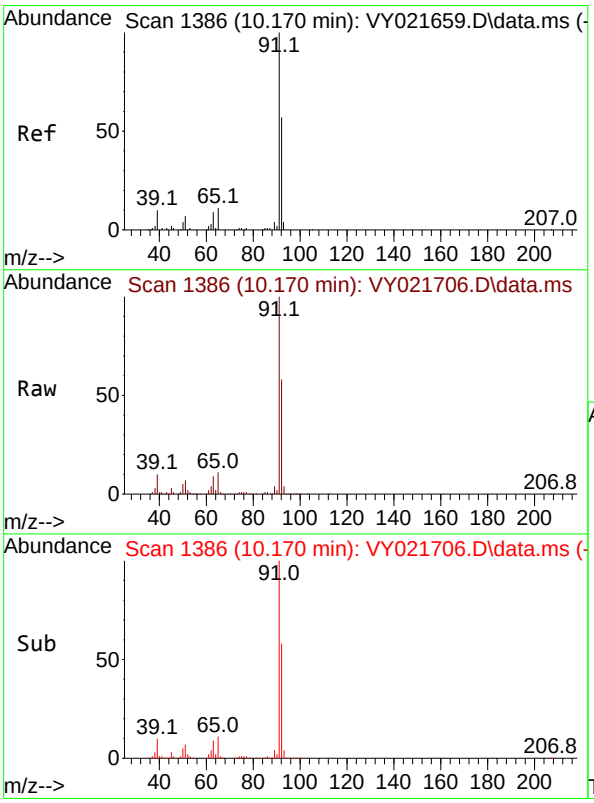
#51
4-Methyl-2-Pentanone
Concen: 11.949 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 21728

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.5	47.3

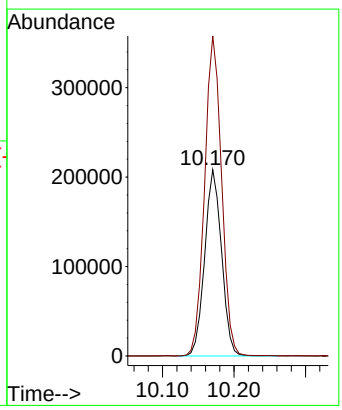


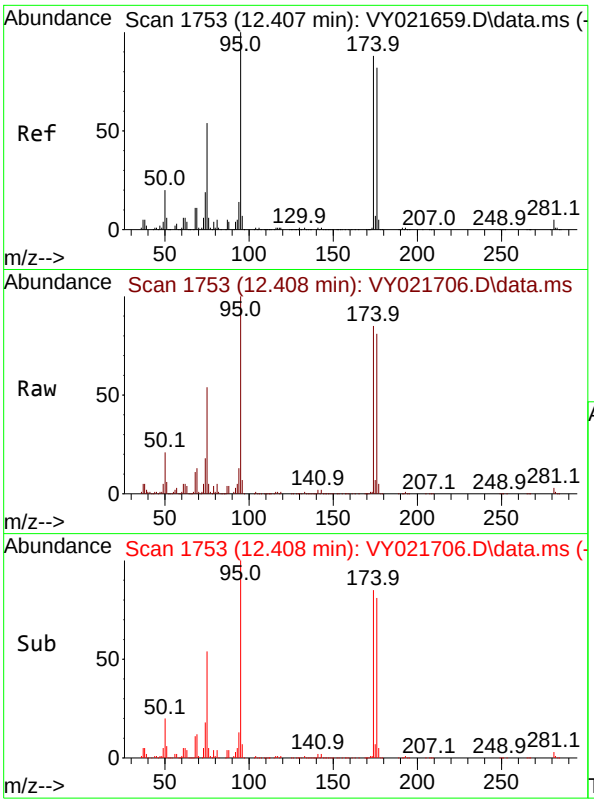


#52
Toluene
Concen: 46.679 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion: 92 Resp: 340759

Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.6	207.8



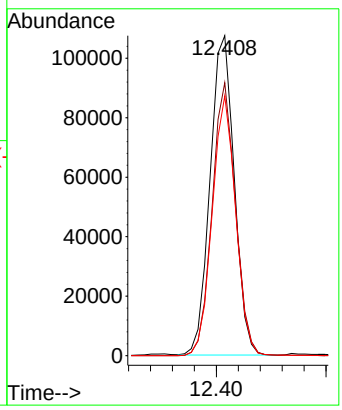


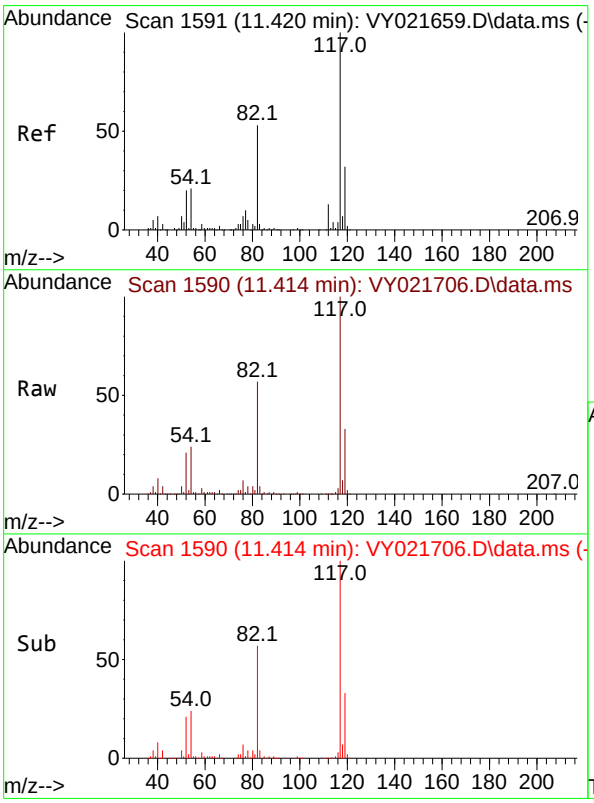
#62
4-Bromofluorobenzene
Concen: 49.824 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 164453

Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	170.8
176	79.2	0.0	162.0

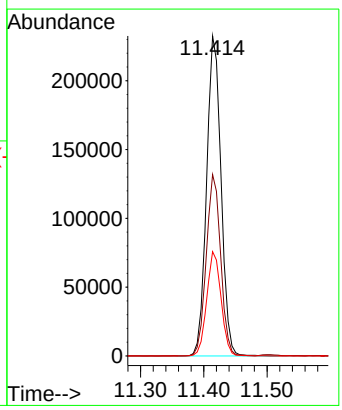


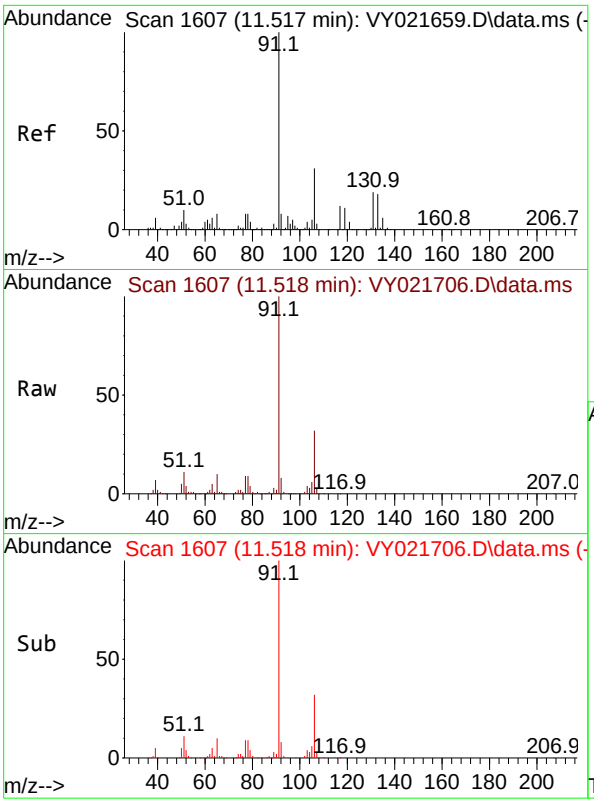


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion:117 Resp: 369436

Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.8	64.2
119	32.6	25.7	38.5



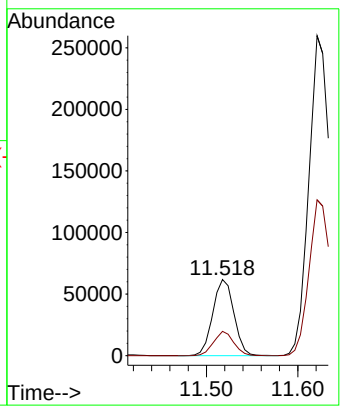


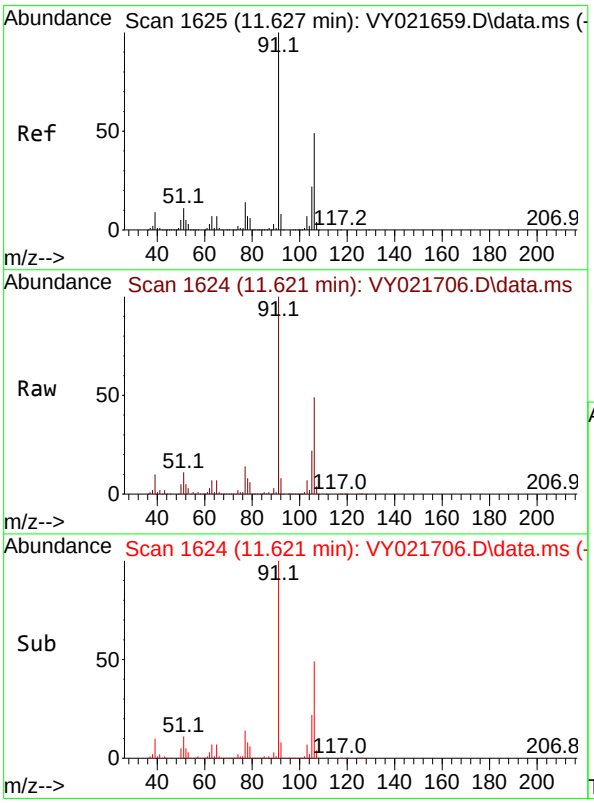
#67
Ethyl Benzene
Concen: 6.837 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 99289

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.6	36.8

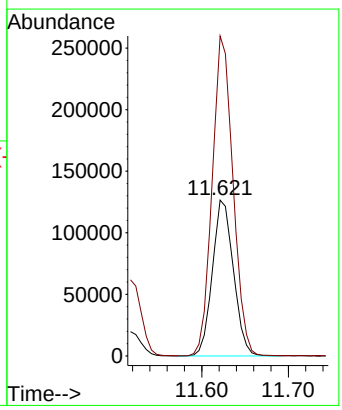


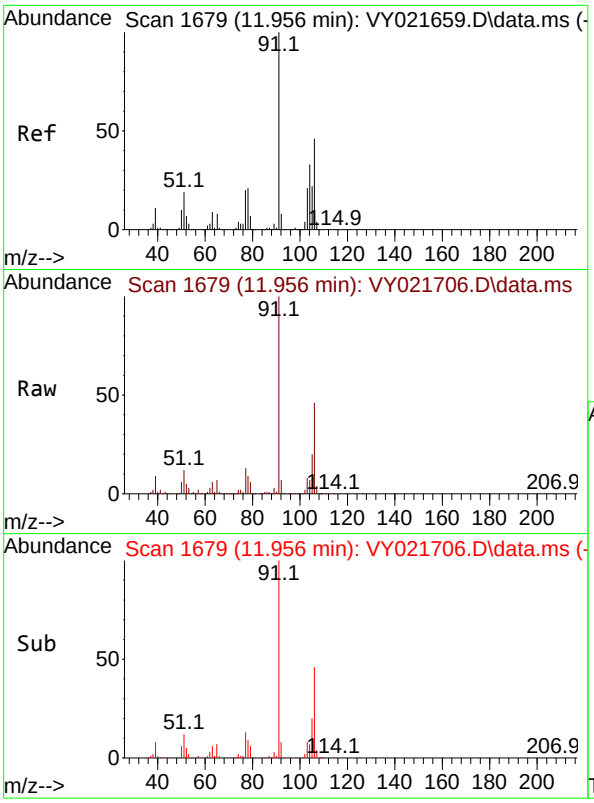


#68
m/p-Xylenes
Concen: 38.494 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion:106 Resp: 214057

Ion	Ratio	Lower	Upper
106	100		
91	202.4	162.4	243.6



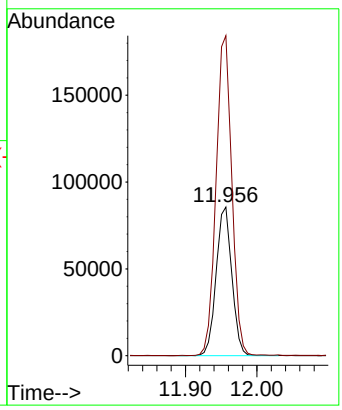


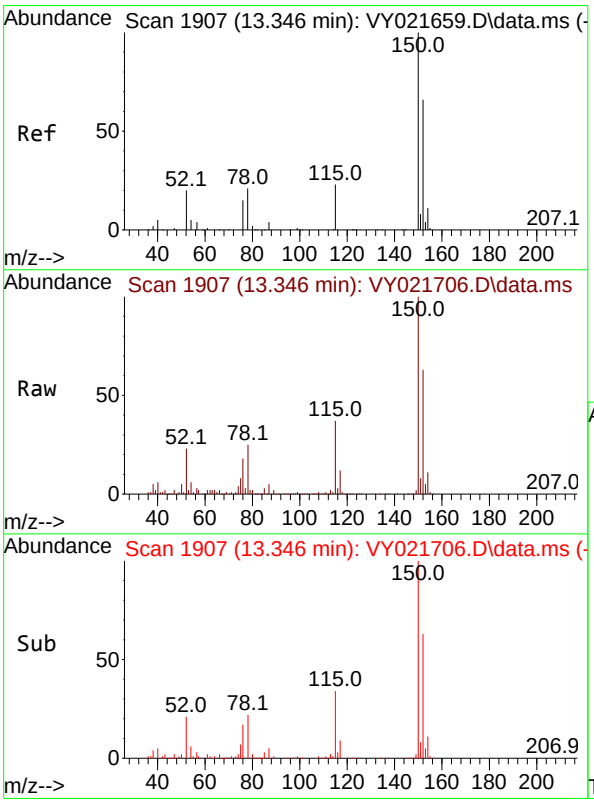
#69
o-Xylene
Concen: 25.397 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:106 Resp: 130367

Ion	Ratio	Lower	Upper
106	100		
91	216.9	106.7	319.9

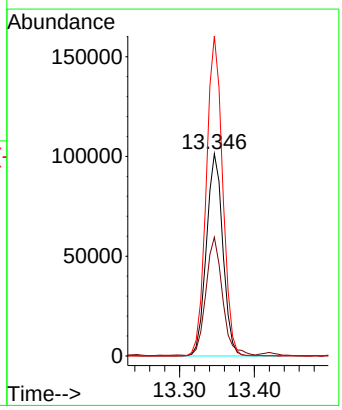


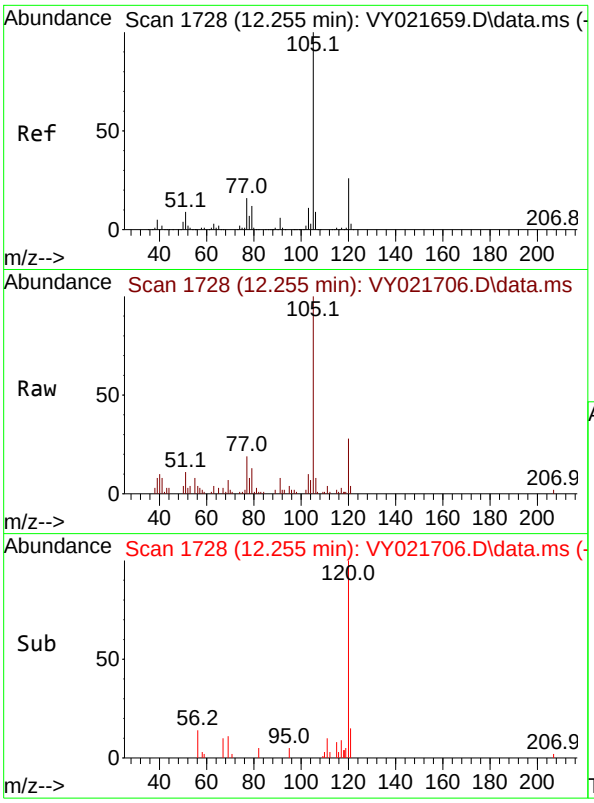


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion:152 Resp: 154638

Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.8	86.5
150	157.2	0.0	348.4



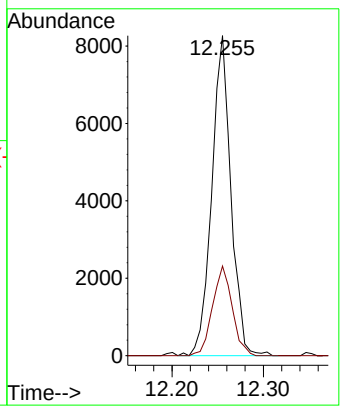


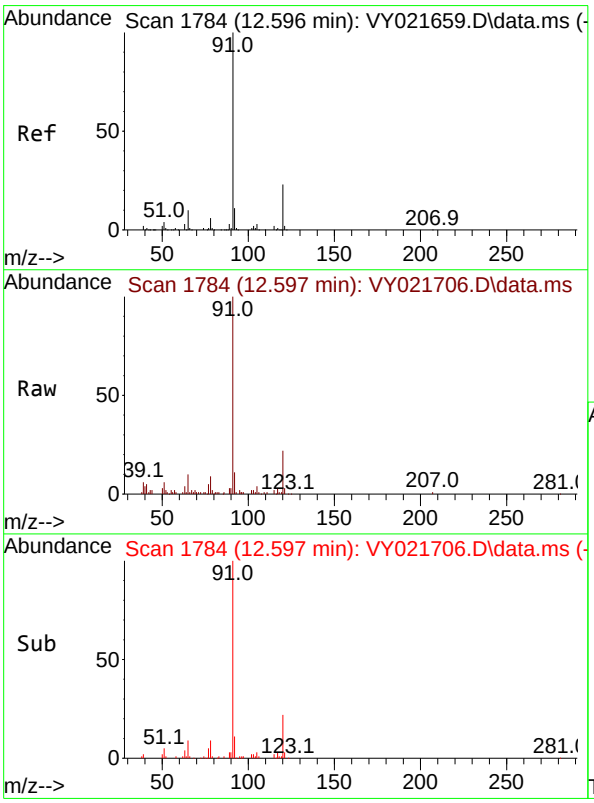
#73
Isopropylbenzene
Concen: 1.048 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 12040

Ion	Ratio	Lower	Upper
105	100		
120	28.7	13.2	39.5

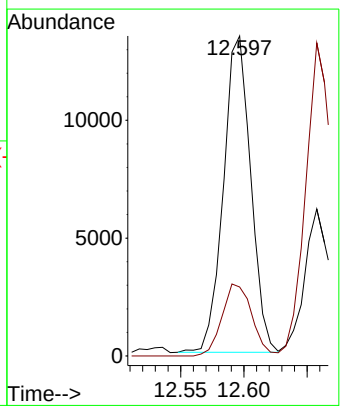


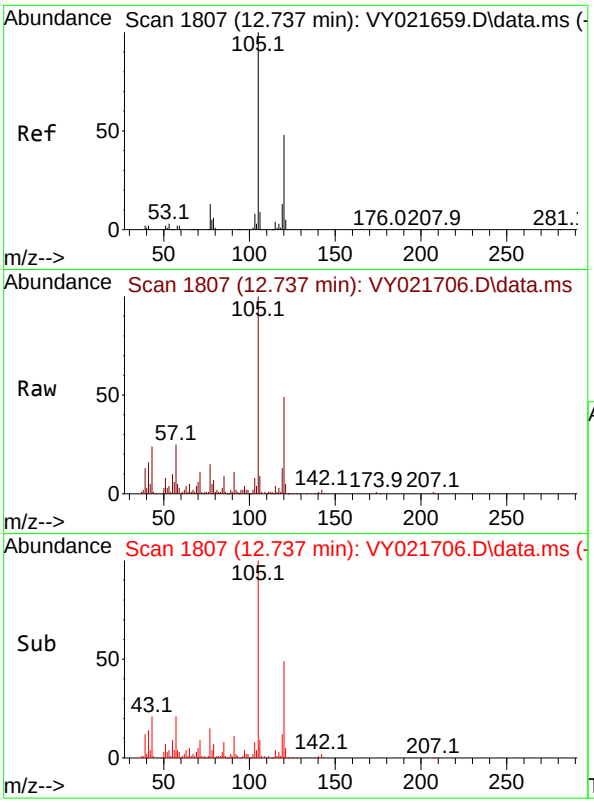


#78
n-propylbenzene
Concen: 1.458 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion: 91 Resp: 20126

Ion	Ratio	Lower	Upper
91	100		
120	25.0	11.3	33.9



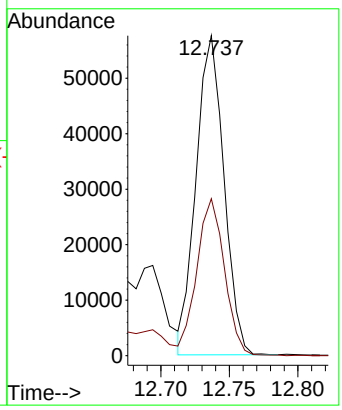


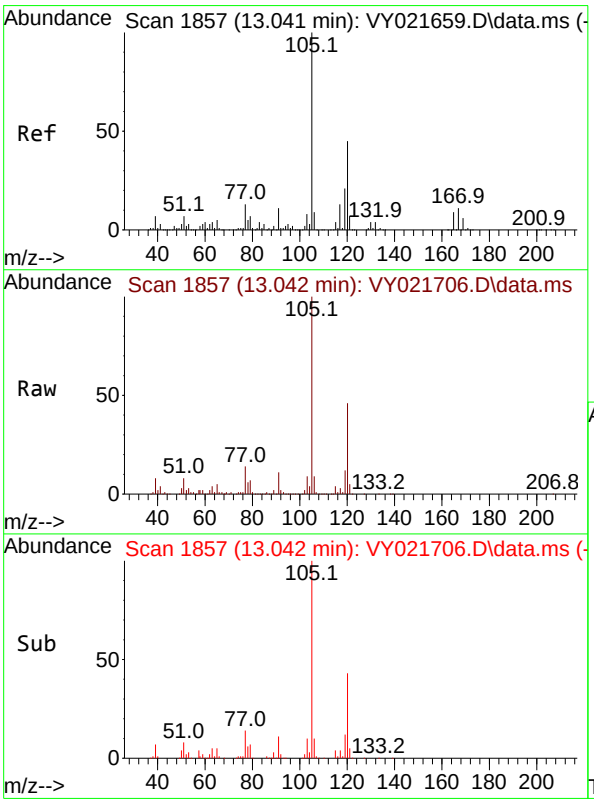
#80
1,3,5-Trimethylbenzene
Concen: 8.667 ug/l
RT: 12.737 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 81361

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.5	73.5

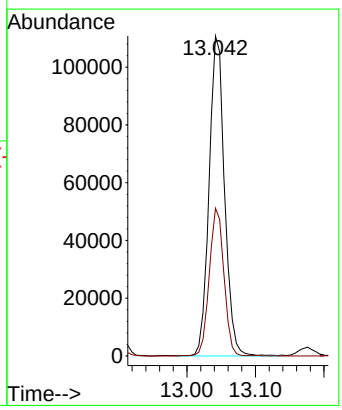


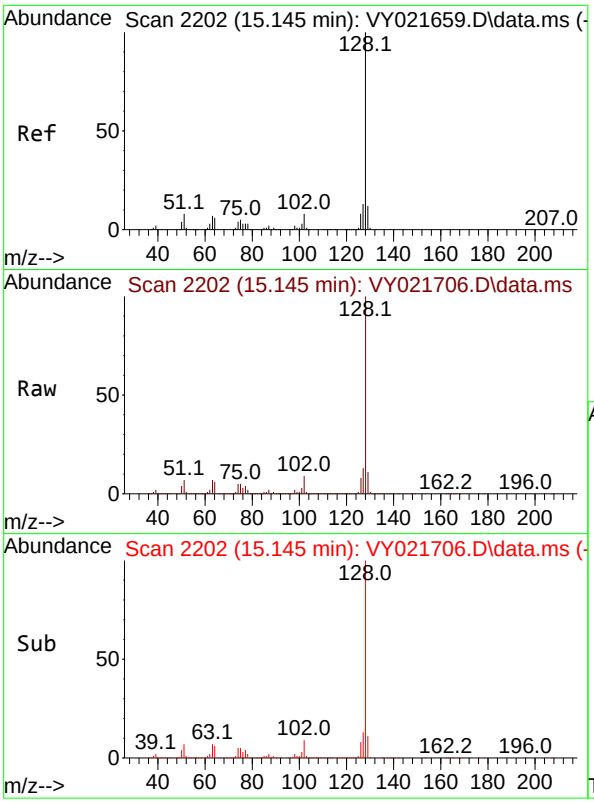


#84
1,2,4-Trimethylbenzene
Concen: 18.715 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Tgt Ion:105 Resp: 173631

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.7	68.1





#95
Naphthalene
Concen: 676.152 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021706.D
Acq: 28 Mar 2025 20:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 2874540

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.1	8.8	13.2