Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
Data File : VY020901.D
Acq On : 22 Jan 2025 16:05
Operator : SY/MD
Sample : Q1154-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ-220

Quant Time: Jan 23 00:46:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 00:38:42 2025
Response via : Initial Calibration

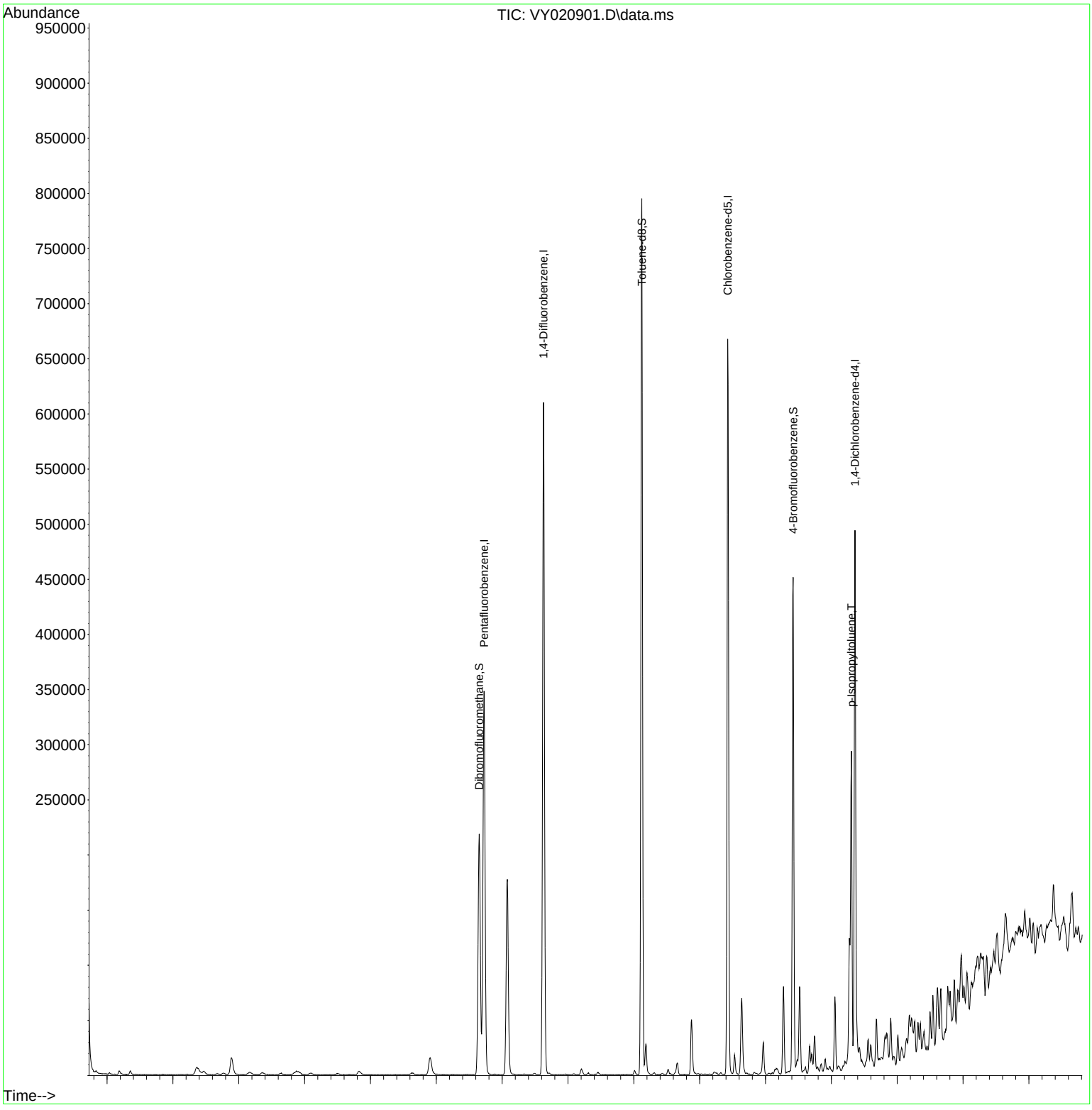
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.725	168	280649	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.628	114	531588	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	371602	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	125144	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	146555	61.438	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.880%			
35) Dibromofluoromethane	7.652	113	158212	47.506	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.020%			
50) Toluene-d8	10.121	98	531271	45.761	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.520%			
62) 4-Bromofluorobenzene	12.420	95	140281	32.721	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 65.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.884	59	7592	42.120	ug/l #	89
13) Acrolein	3.671	56	1085	21.435	ug/l	92
15) Acrylonitrile	5.098	53	2074	4.217	ug/l	91
16) Acetone	3.891	43	29787	87.812	ug/l	97
52) Toluene	10.182	92	11503	1.332	ug/l	97
68) m/p-Xylenes	11.639	106	21369	3.902	ug/l	97
69) o-Xylene	11.969	106	7119	1.371	ug/l	98
80) 1,3,5-Trimethylbenzene	12.749	105	8533	1.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	37340	4.753	ug/l	99
86) p-Isopropyltoluene	13.304	119	153912	17.165	ug/l	95

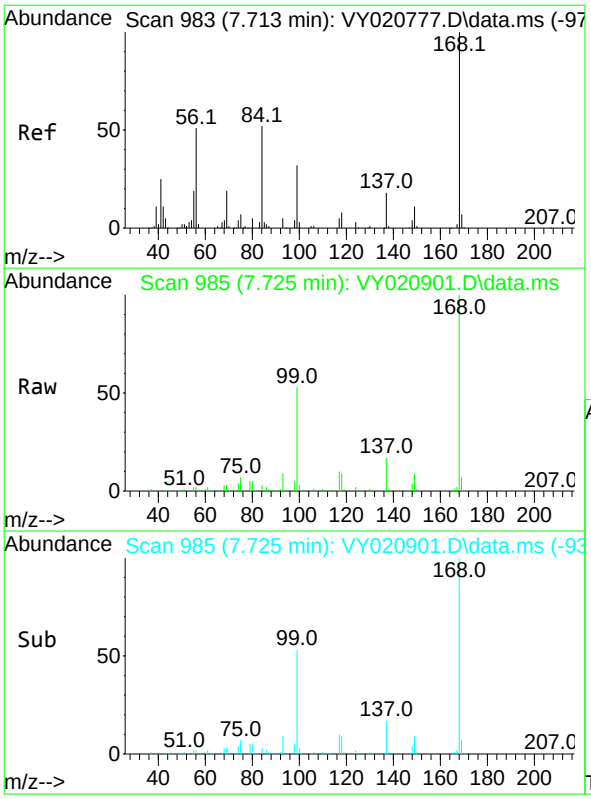
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
Data File : VY020901.D
Acq On : 22 Jan 2025 16:05
Operator : SY/MD
Sample : Q1154-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Quant Time: Jan 23 00:46:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 00:38:42 2025
Response via : Initial Calibration



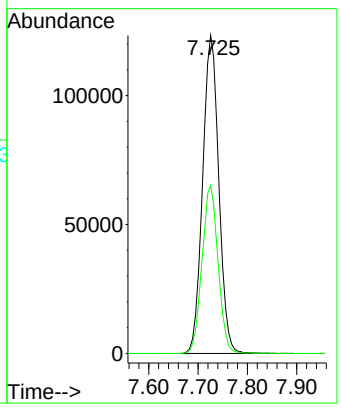


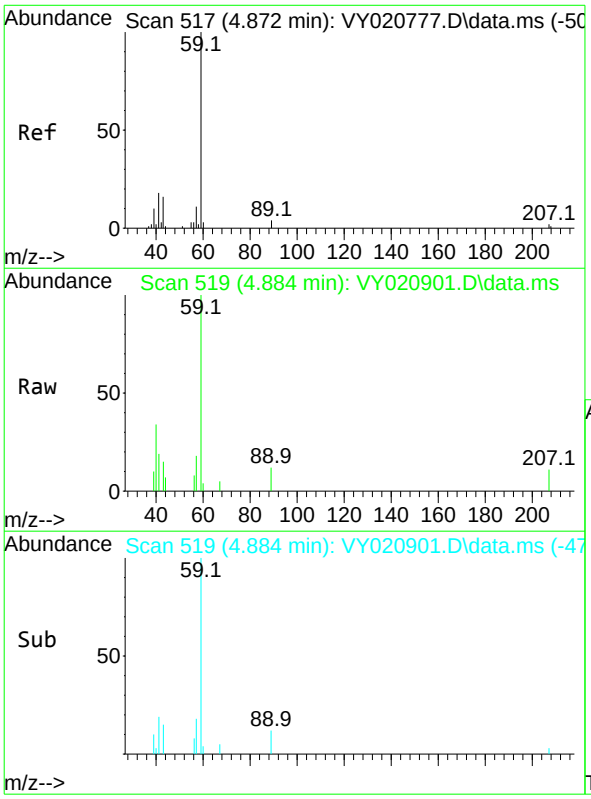
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion:168 Resp: 280649

Ion	Ratio	Lower	Upper
168	100		
99	52.8	44.3	66.5

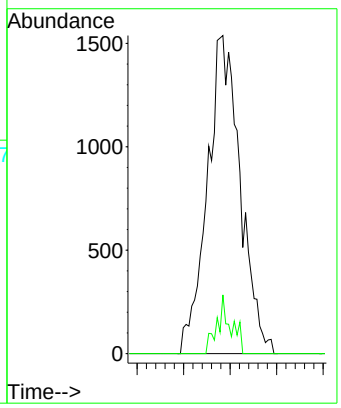


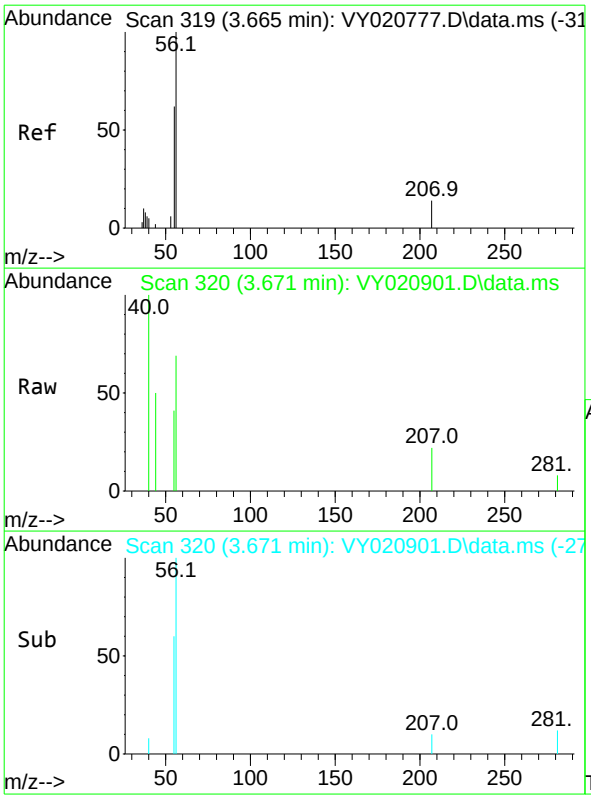


#11
Tert butyl alcohol
Concen: 42.120 ug/l
RT: 4.884 min Scan# 519
Delta R.T. -0.043 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion: 59 Resp: 7592

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.8	11.8#



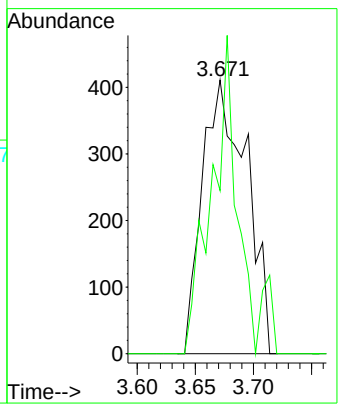


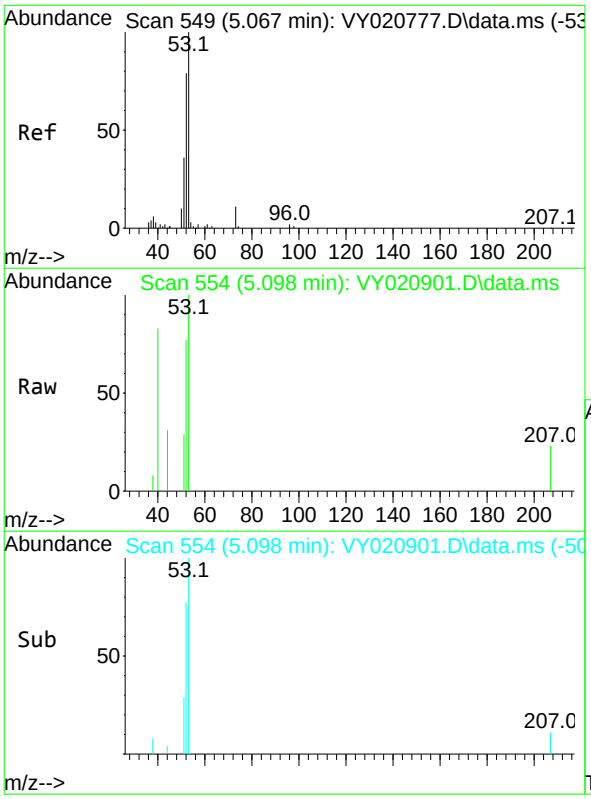
#13
Acrolein
Concen: 21.435 ug/l
RT: 3.671 min Scan# 32
Delta R.T. -0.018 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion: 56 Resp: 1085

Ion	Ratio	Lower	Upper
56	100		
55	65.9	58.1	87.1

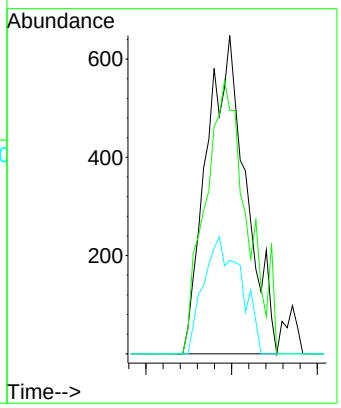


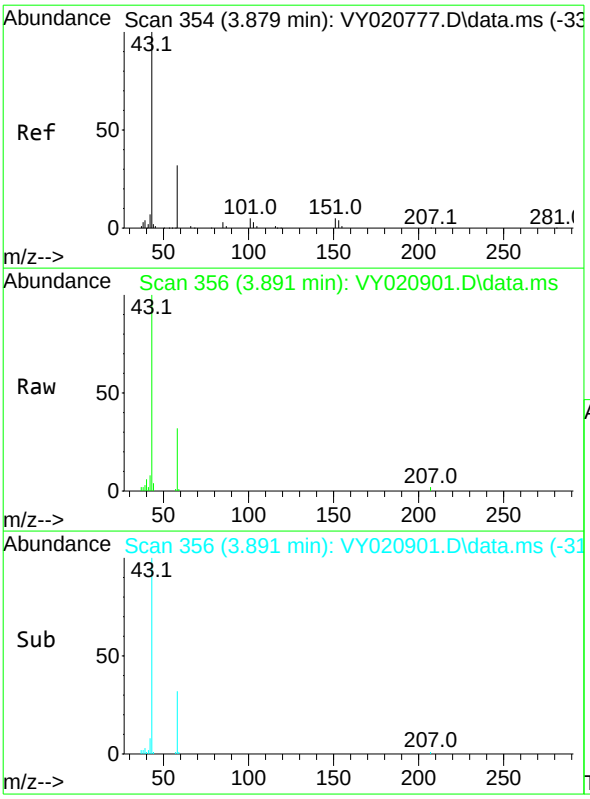


#15
Acrylonitrile
Concen: 4.217 ug/l
RT: 5.098 min Scan# 554
Delta R.T. -0.006 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion: 53 Resp: 2074

Ion	Ratio	Lower	Upper
53	100		
52	90.5	64.3	96.5
51	34.8	29.3	43.9



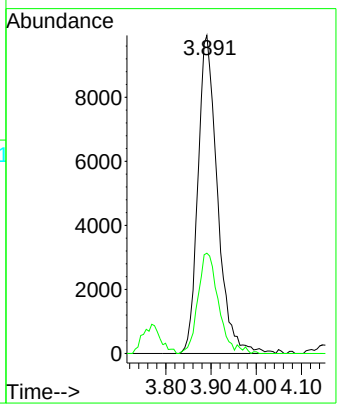


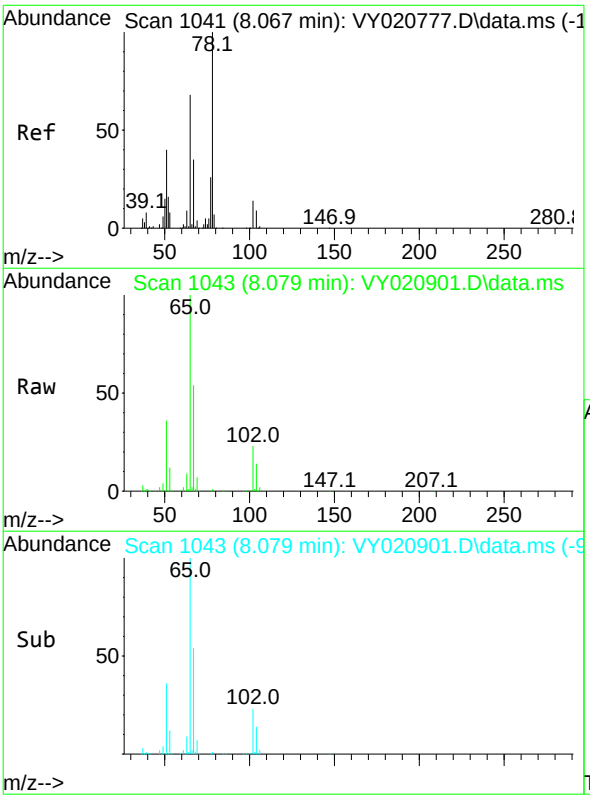
#16
Acetone
Concen: 87.812 ug/l
RT: 3.891 min Scan# 35
Delta R.T. -0.024 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion: 43 Resp: 29787

Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.7	40.1

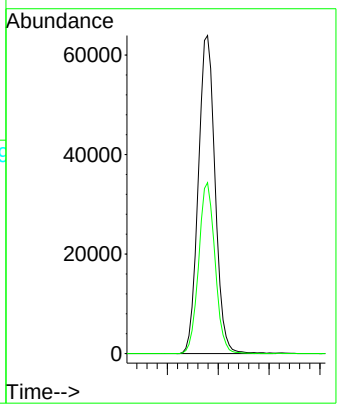


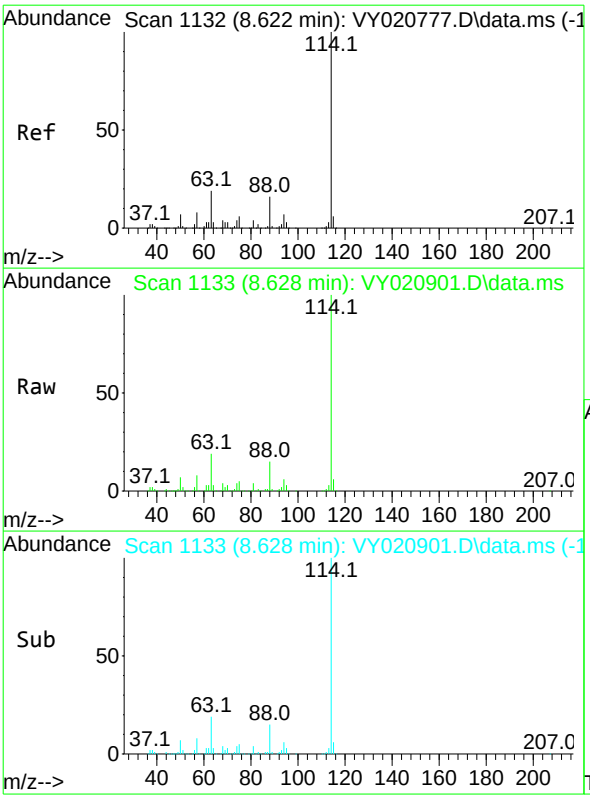


#33
1,2-Dichloroethane-d4
Concen: 61.438 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion: 65 Resp: 146555

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.8



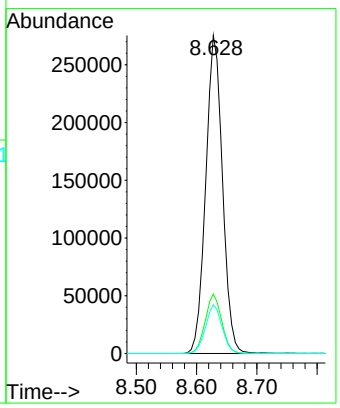


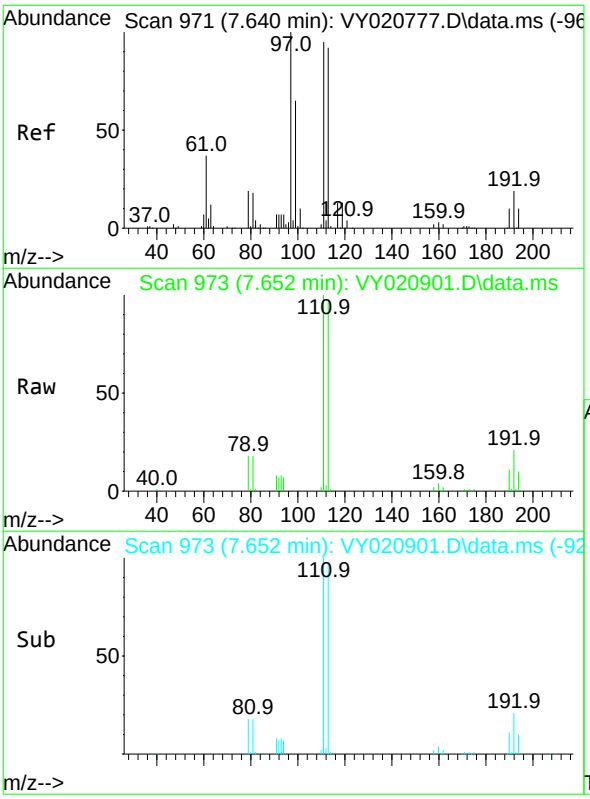
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion:114 Resp: 531588

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.3	0.0	31.2

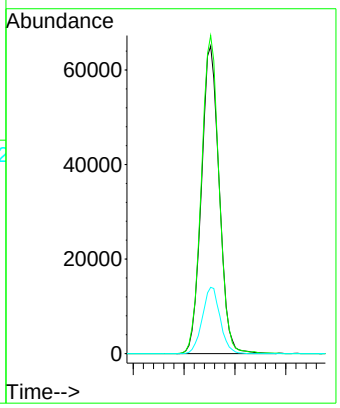


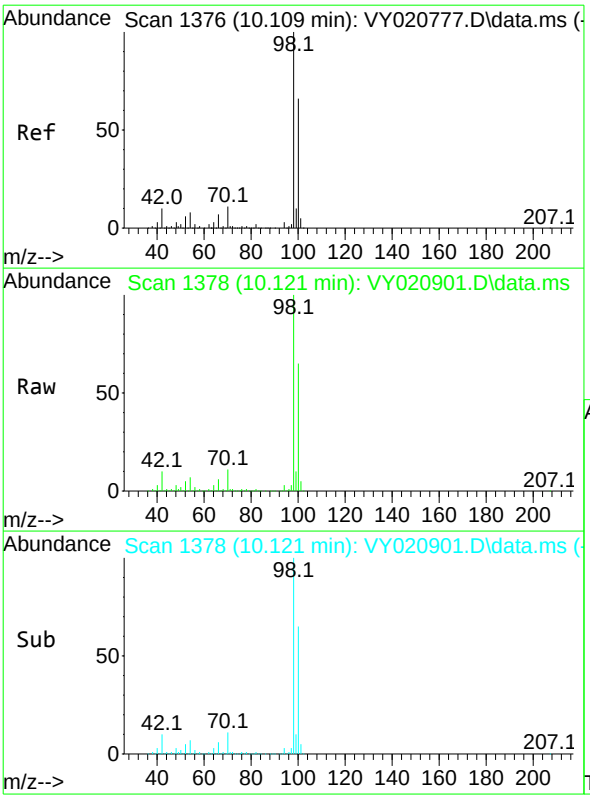


#35
Dibromofluoromethane
Concen: 47.506 ug/l
RT: 7.652 min Scan# 973
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion:113 Resp: 158212

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	21.4	16.7	25.1



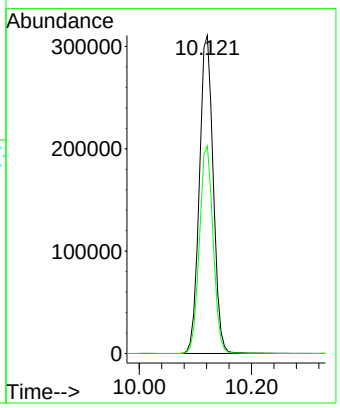


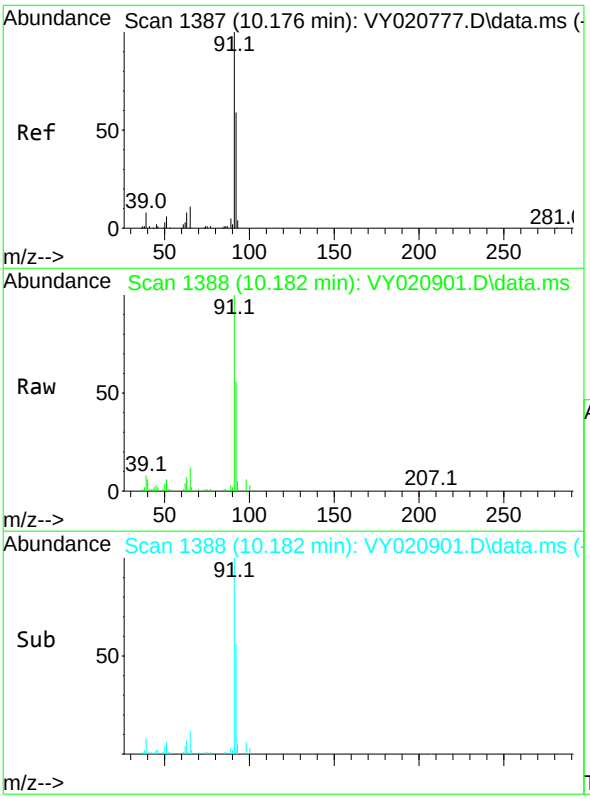
#50
Toluene-d8
Concen: 45.761 ug/l
RT: 10.121 min Scan# 13
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion: 98 Resp: 531271

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.5	78.7

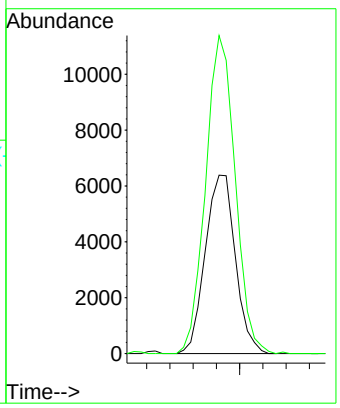


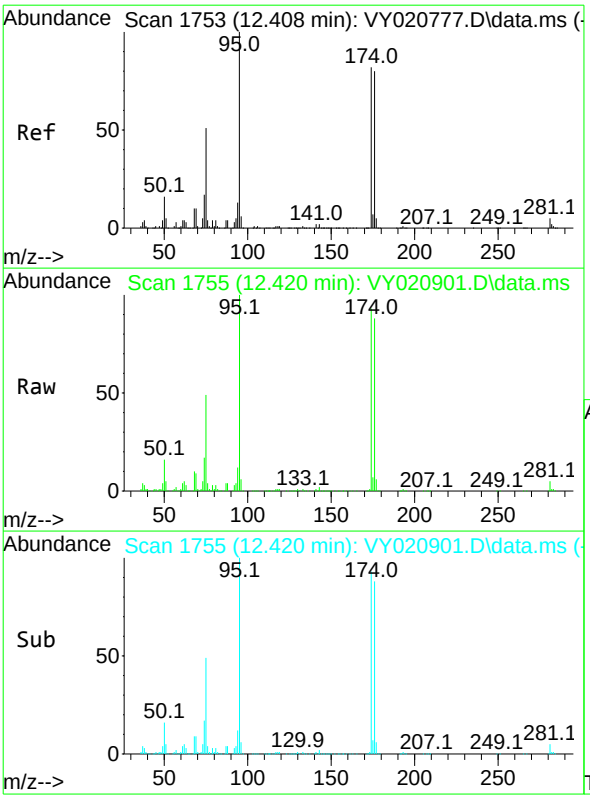


#52
Toluene
Concen: 1.332 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion: 92 Resp: 11503

Ion	Ratio	Lower	Upper
92	100		
91	174.8	136.6	204.8



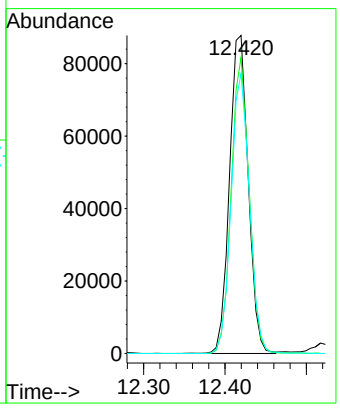


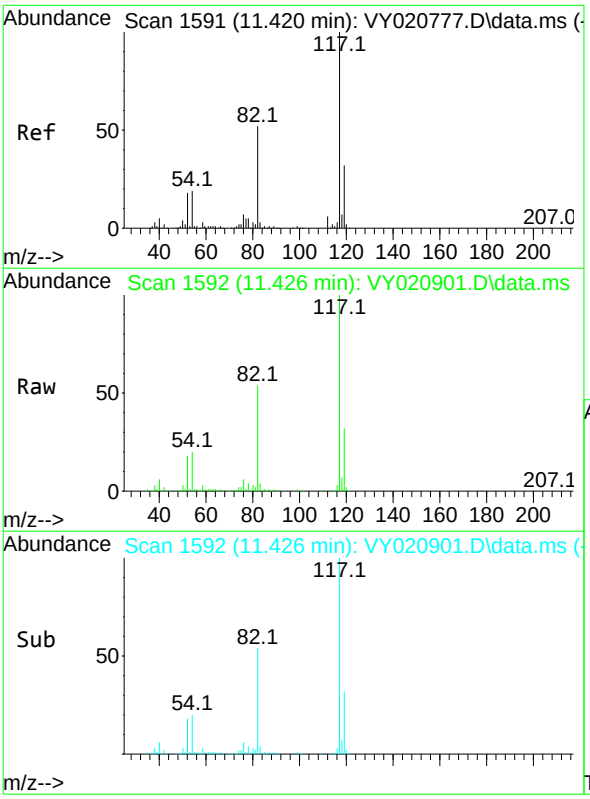
#62
4-Bromofluorobenzene
Concen: 32.721 ug/l
RT: 12.420 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion: 95 Resp: 140281

Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	178.0
176	86.2	0.0	172.0

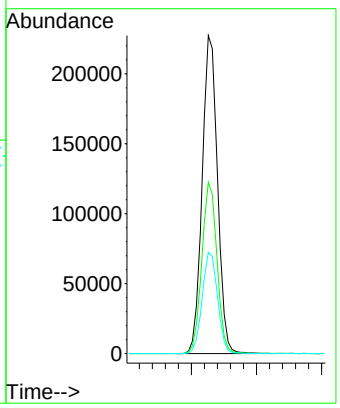


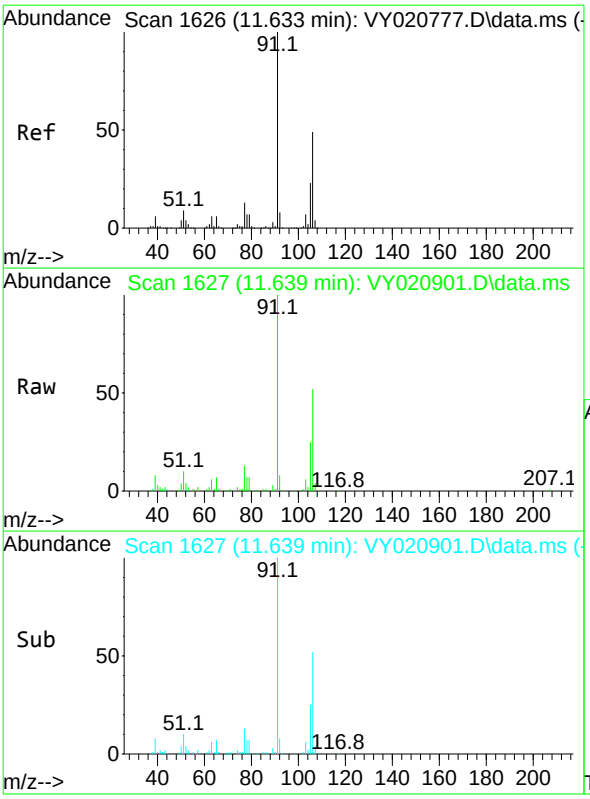


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion:117 Resp: 371602

Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.6
119	31.8	25.8	38.8



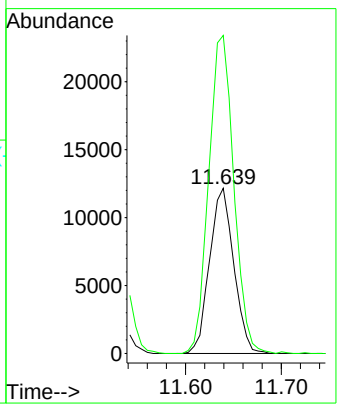


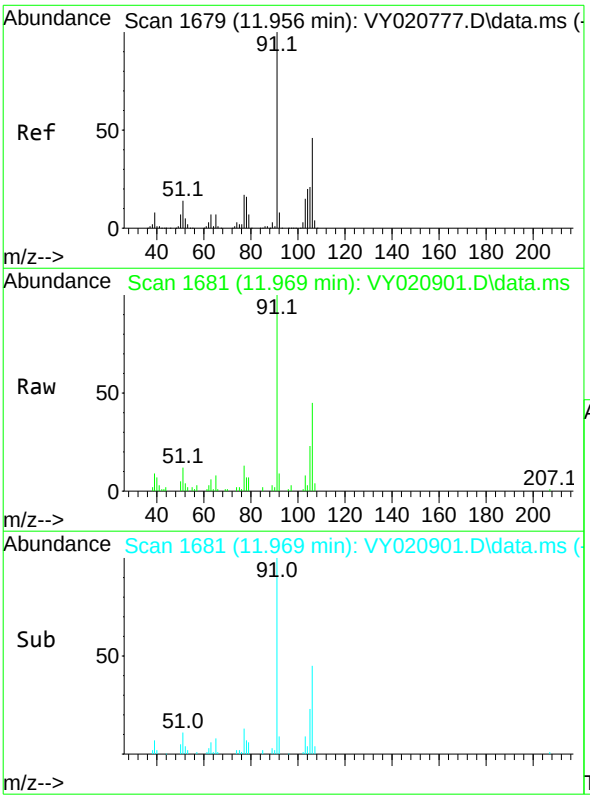
#68
m/p-Xylenes
Concen: 3.902 ug/l
RT: 11.639 min Scan# 16
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion:106 Resp: 21369

Ion	Ratio	Lower	Upper
106	100		
91	199.1	162.6	243.8

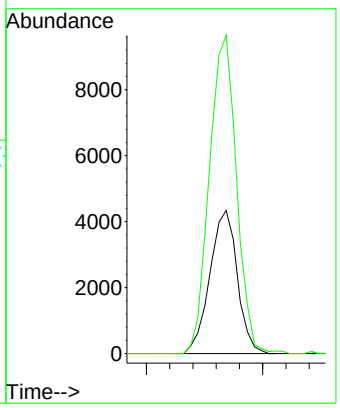


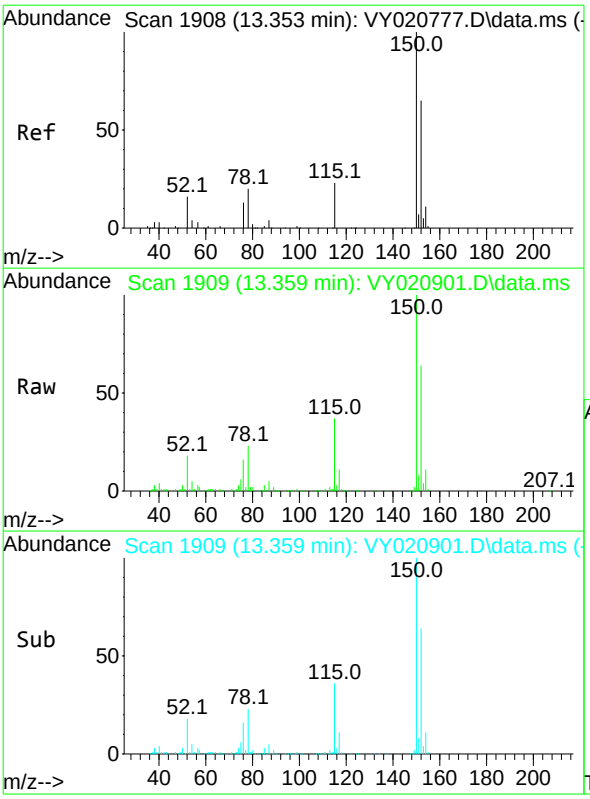


#69
o-Xylene
Concen: 1.371 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion:106 Resp: 7119

Ion	Ratio	Lower	Upper
106	100		
91	220.2	108.2	324.6



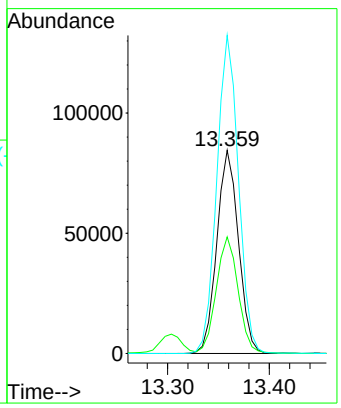


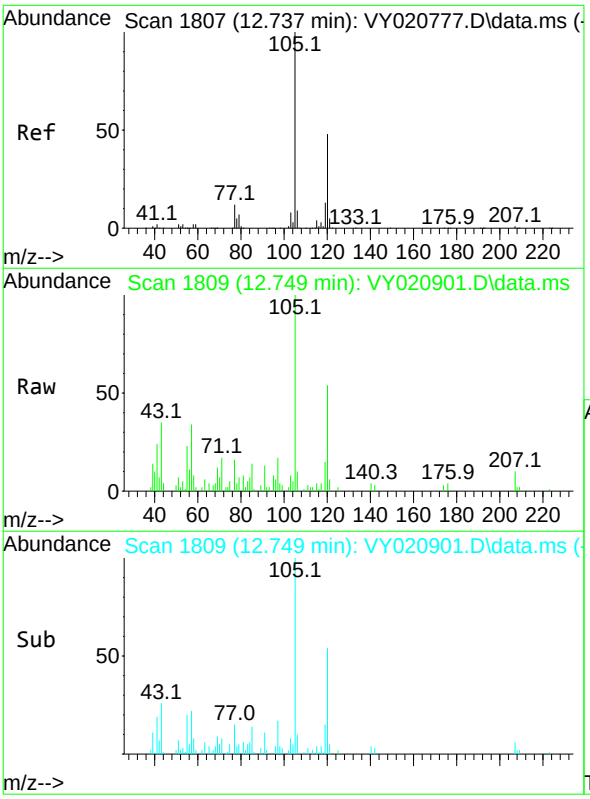
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 19
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion:152 Resp: 125144

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.0	87.0
150	156.8	0.0	347.4

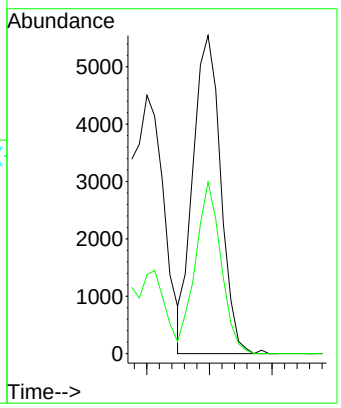


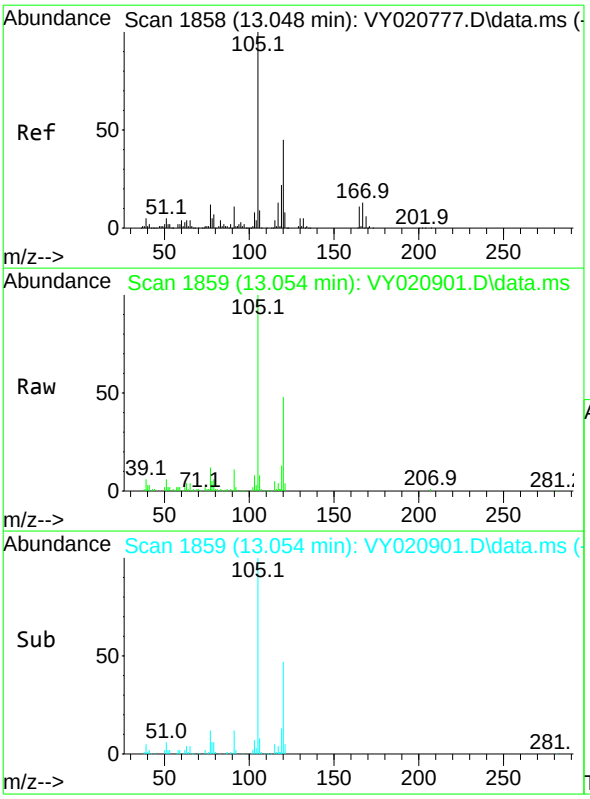


#80
1,3,5-Trimethylbenzene
Concen: 1.061 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion:105 Resp: 8533

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.5	73.5



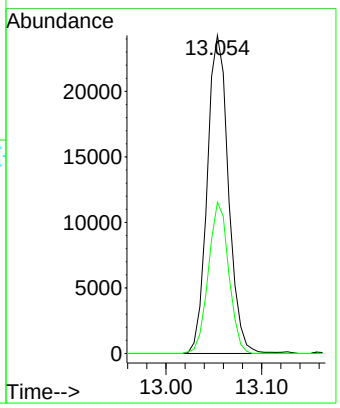


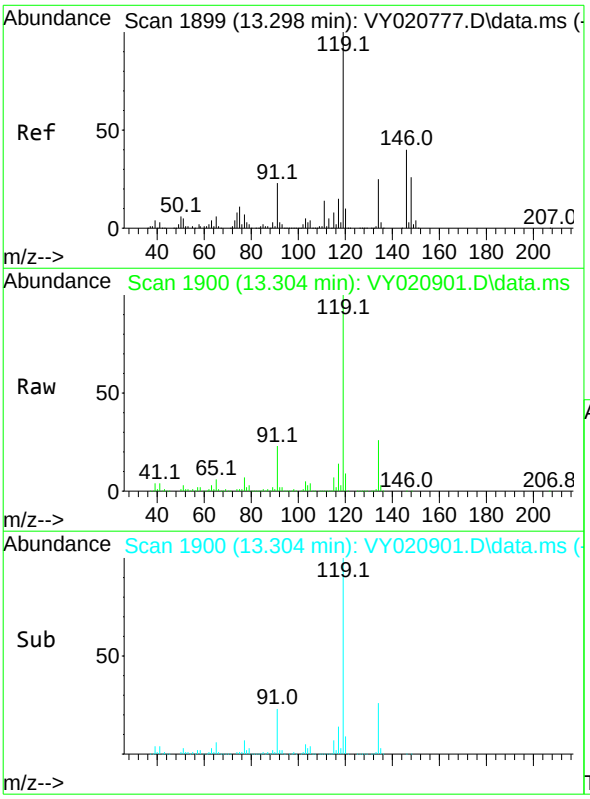
#84
1,2,4-Trimethylbenzene
Concen: 4.753 ug/l
RT: 13.054 min Scan# 18
Delta R.T. -0.012 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Tgt Ion:105 Resp: 37340

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.2





#86
p-Isopropyltoluene
Concen: 17.165 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. -0.006 min
Lab File: VY020901.D
Acq: 22 Jan 2025 16:05

Tgt Ion:119 Resp: 153912

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	28.4	11.8	35.3