Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
Data File : VY020785.D
Acq On : 06 Jan 2025 15:58
Operator : SY/MD
Sample : Q1010-02
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Quant Time: Jan 07 02:03:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	12113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	16141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	10021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	2235	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3904	37.919	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 75.840%			
35) Dibromofluoromethane	7.646	113	4637	45.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.720%			
50) Toluene-d8	10.115	98	16795	47.644	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.280%			
62) 4-Bromofluorobenzene	12.414	95	3383	25.988	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 51.980%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.536	91	812	2.117	ug/l #	82
68) m/p-Xylenes	11.639	106	932	6.310	ug/l	98
69) o-Xylene	11.969	106	670	4.785	ug/l	82
73) Isopropylbenzene	12.261	105	826	4.659	ug/l	82
78) n-propylbenzene	12.609	91	1776	8.825	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	2100	14.615	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	6290	44.826	ug/l	95
85) sec-Butylbenzene	13.182	105	1655	8.816	ug/l	100
86) p-Isopropyltoluene	13.304	119	922	5.758	ug/l	88
89) n-Butylbenzene	13.633	91	1474	10.610	ug/l #	70

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
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MSVOA_Y
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TR-04-010325

Quant Time: Jan 07 02:03:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
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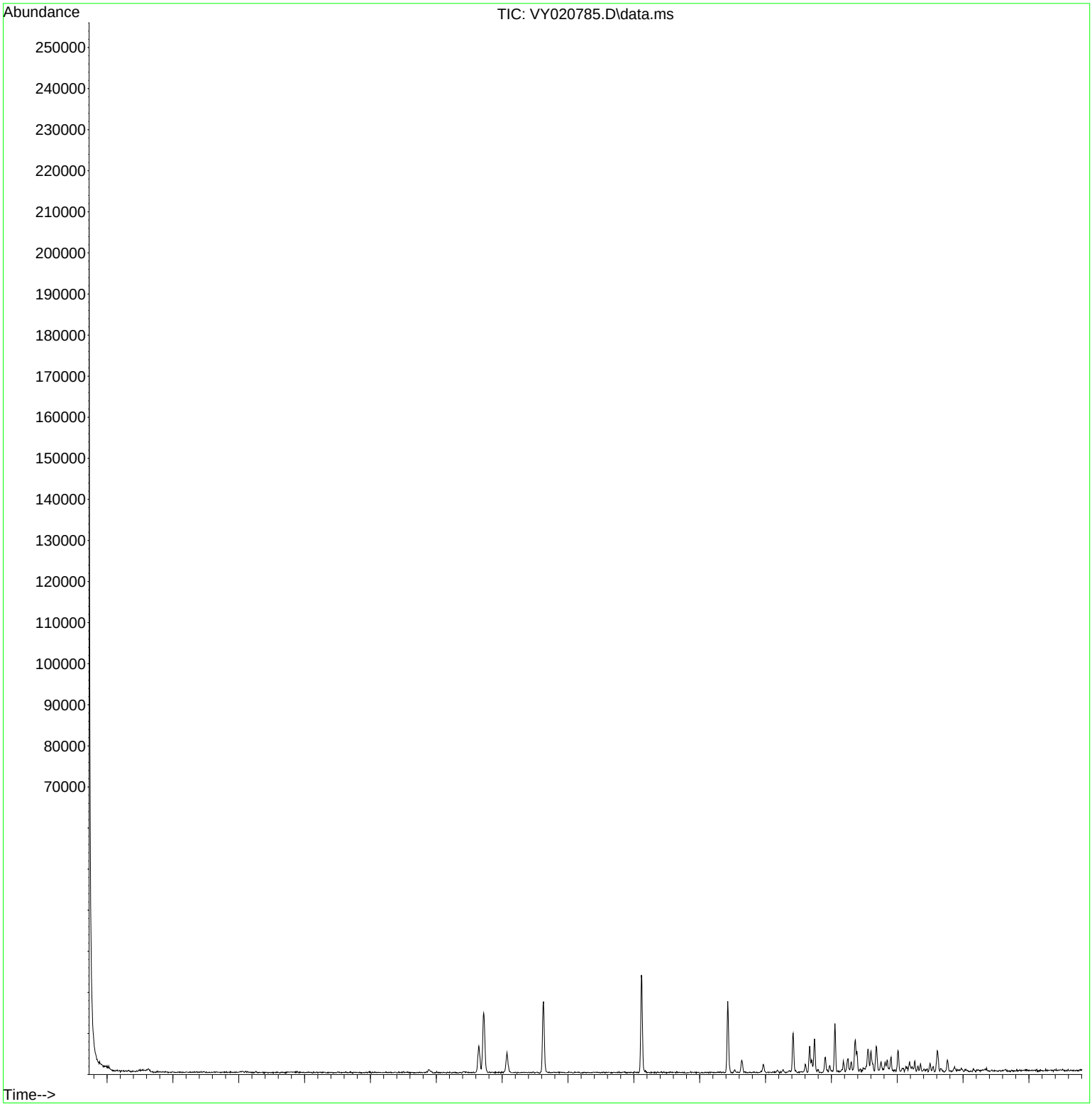
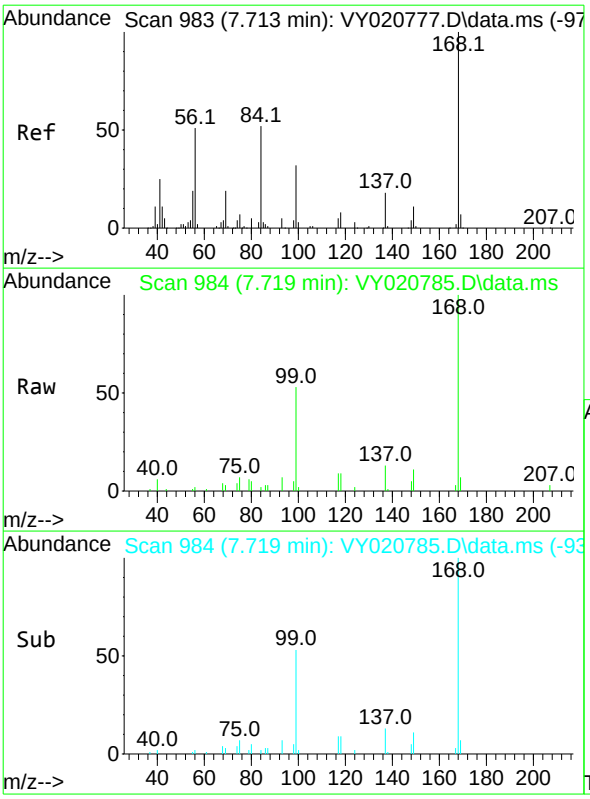


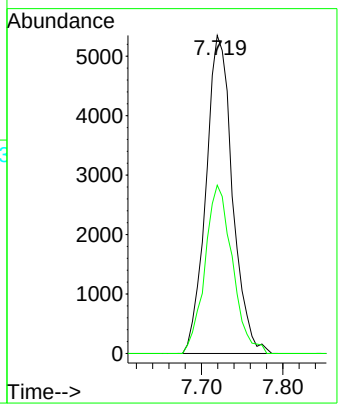


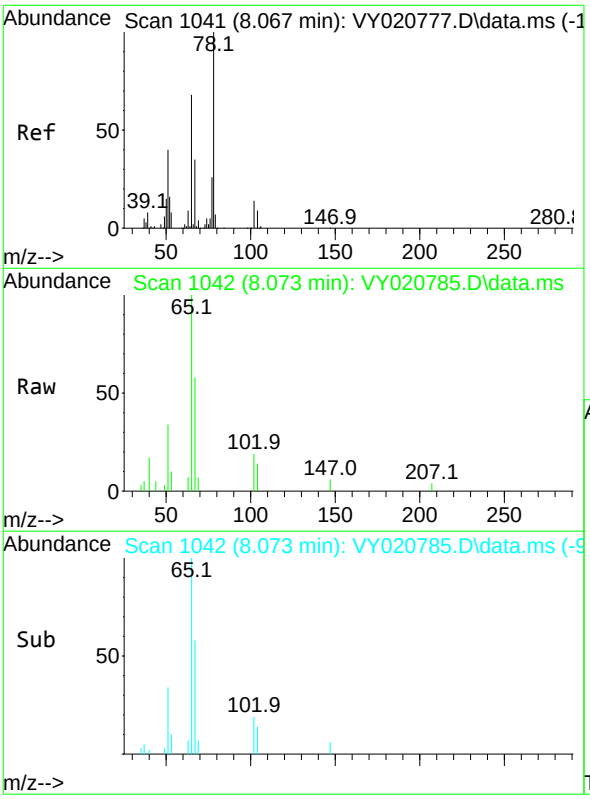
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:168 Resp: 12113

Ion	Ratio	Lower	Upper
168	100		
99	52.9	44.3	66.5

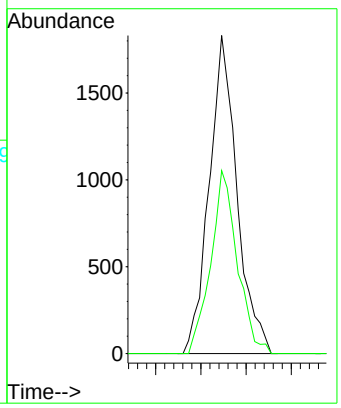


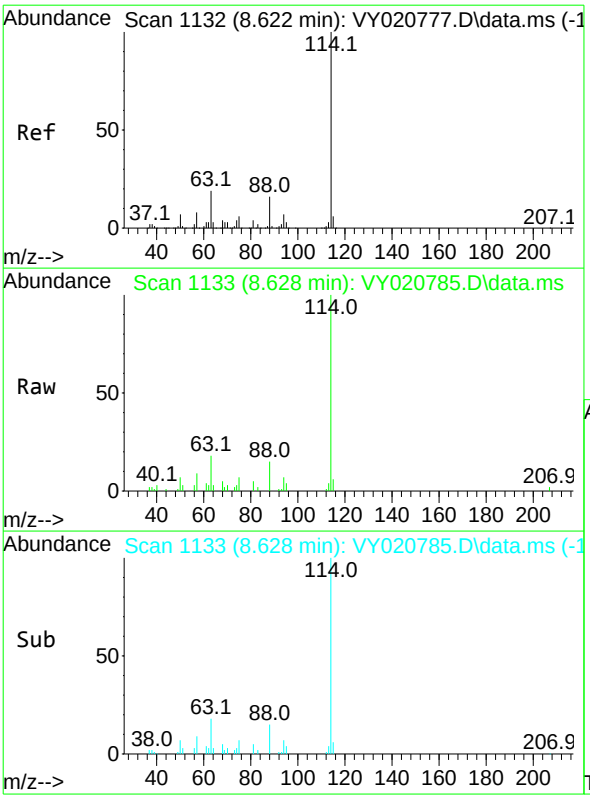


#33
1,2-Dichloroethane-d4
Concen: 37.919 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion: 65 Resp: 3904

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	102.8



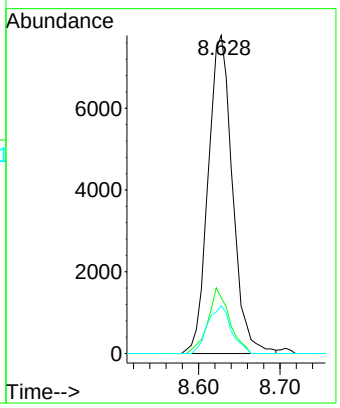


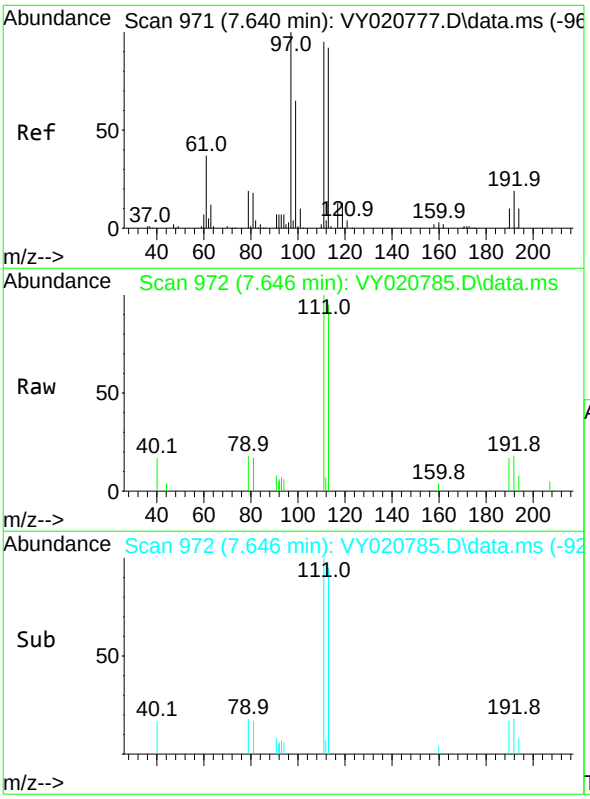
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:114 Resp: 16141

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	38.4
88	15.1	0.0	31.2

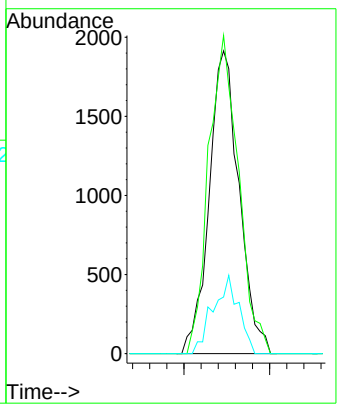


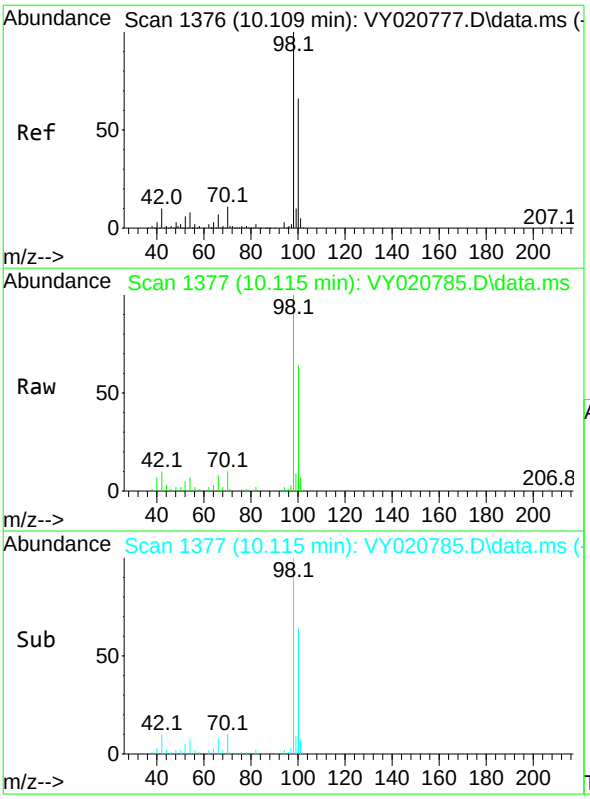


#35
Dibromofluoromethane
Concen: 45.855 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion:113 Resp: 4637

Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.7	122.5
192	22.0	16.7	25.1



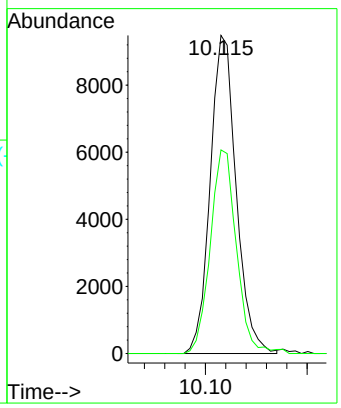


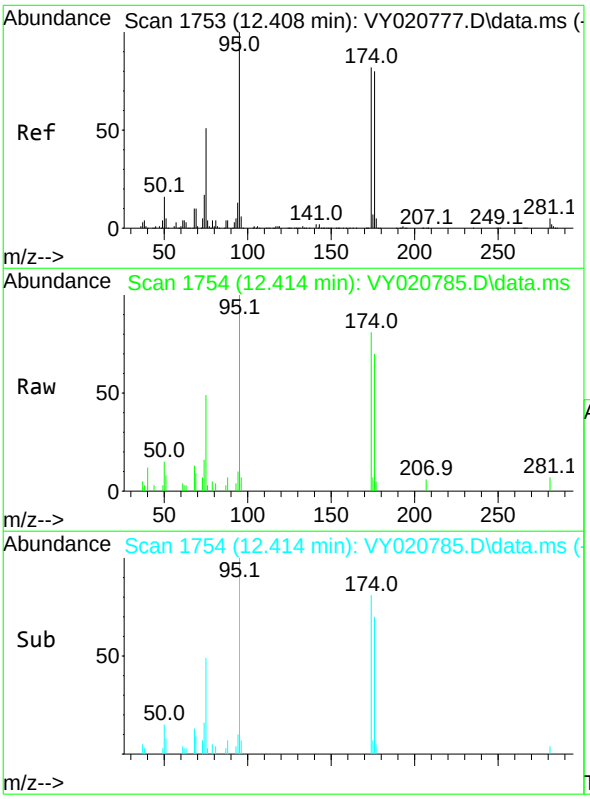
#50
Toluene-d8
Concen: 47.644 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion: 98 Resp: 16795

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.5	78.7

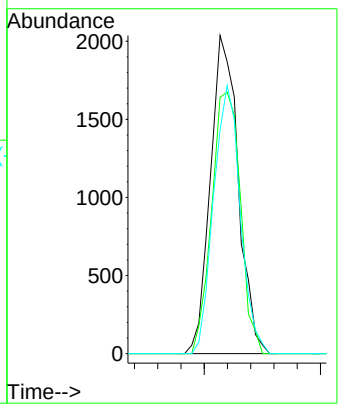


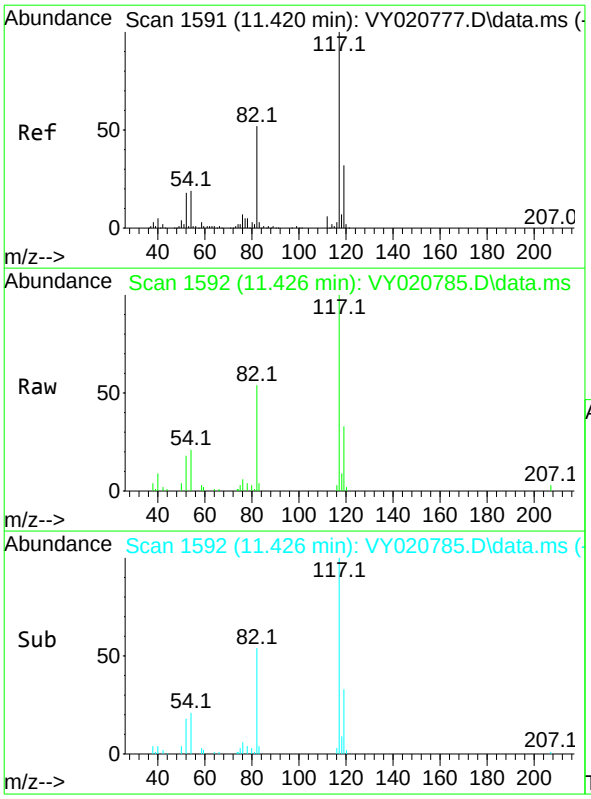


#62
4-Bromofluorobenzene
Concen: 25.988 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion: 95 Resp: 3383

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	178.0
176	80.9	0.0	172.0



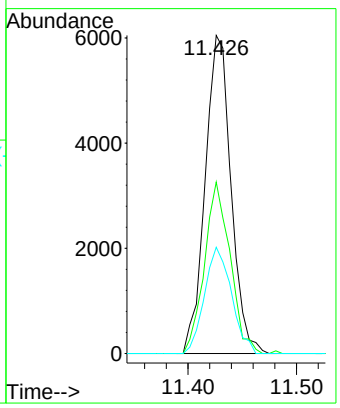


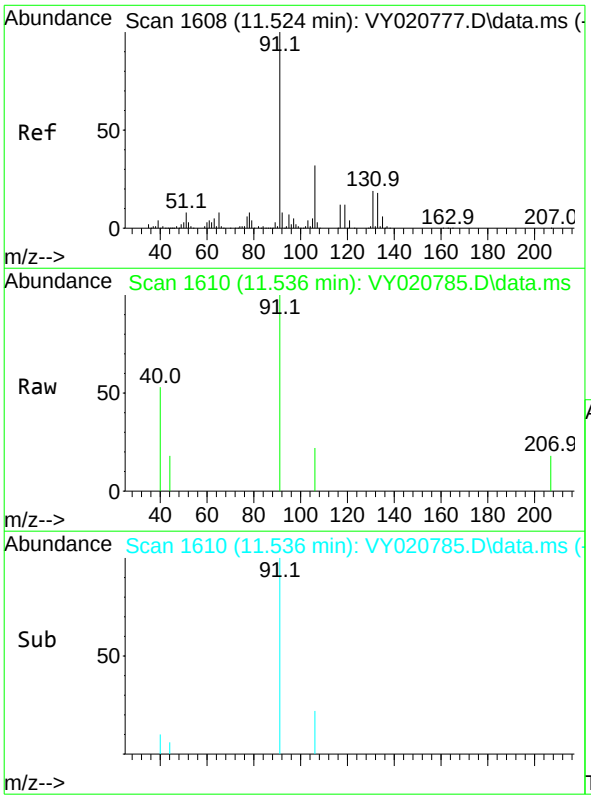
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:117 Resp: 10021

Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.6
119	33.4	25.8	38.8

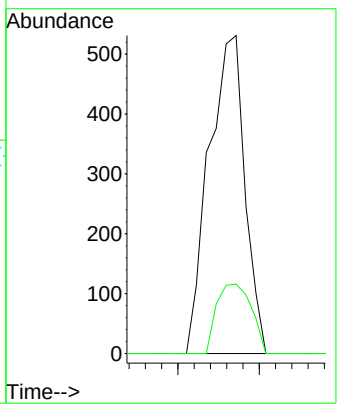


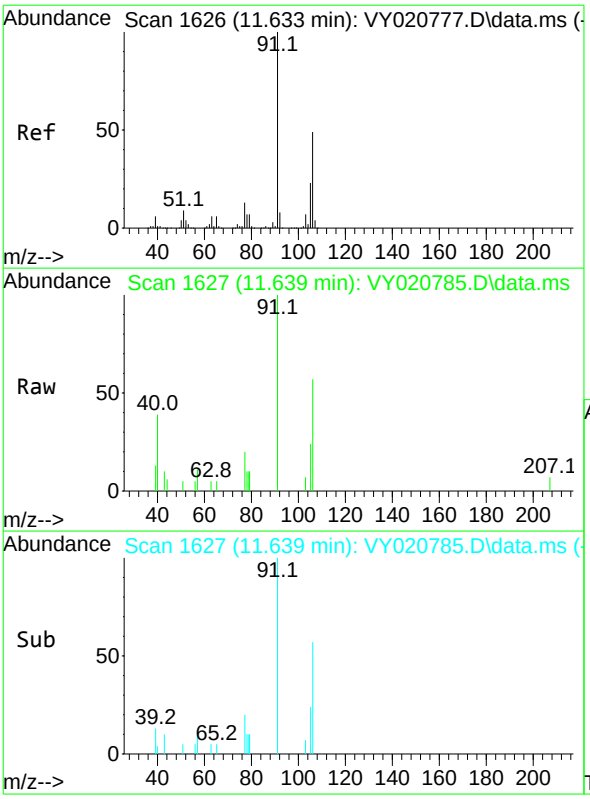


#67
Ethyl Benzene
Concen: 2.117 ug/l
RT: 11.536 min Scan# 1610
Delta R.T. 0.012 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion: 91 Resp: 812

Ion	Ratio	Lower	Upper
91	100		
106	21.8	25.5	38.3#



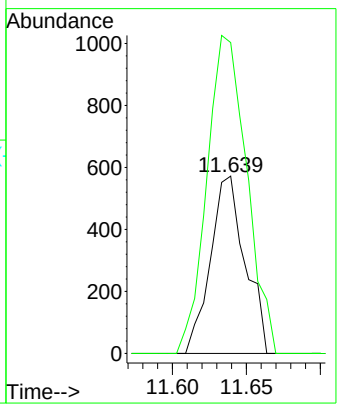


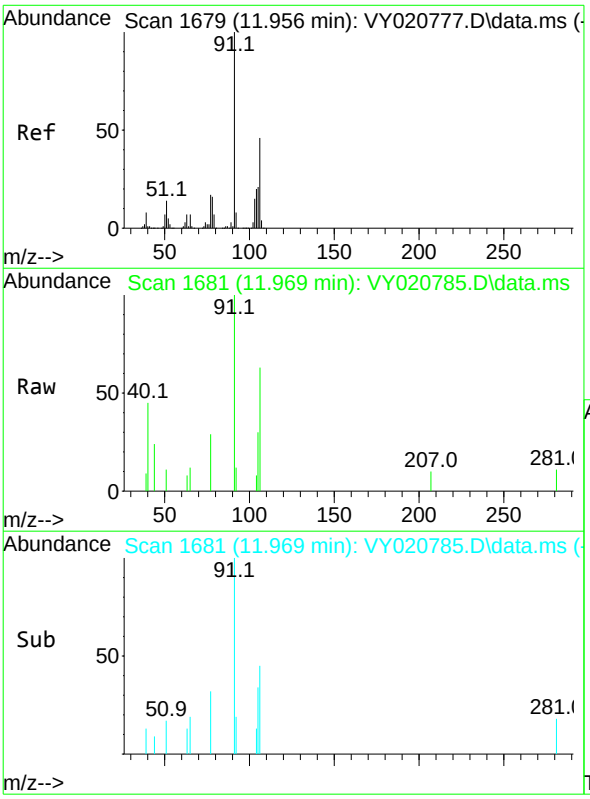
#68
m/p-Xylenes
Concen: 6.310 ug/l
RT: 11.639 min Scan# 16
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:106 Resp: 932

Ion	Ratio	Lower	Upper
106	100		
91	206.1	162.6	243.8

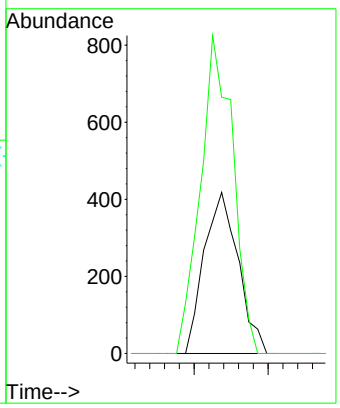


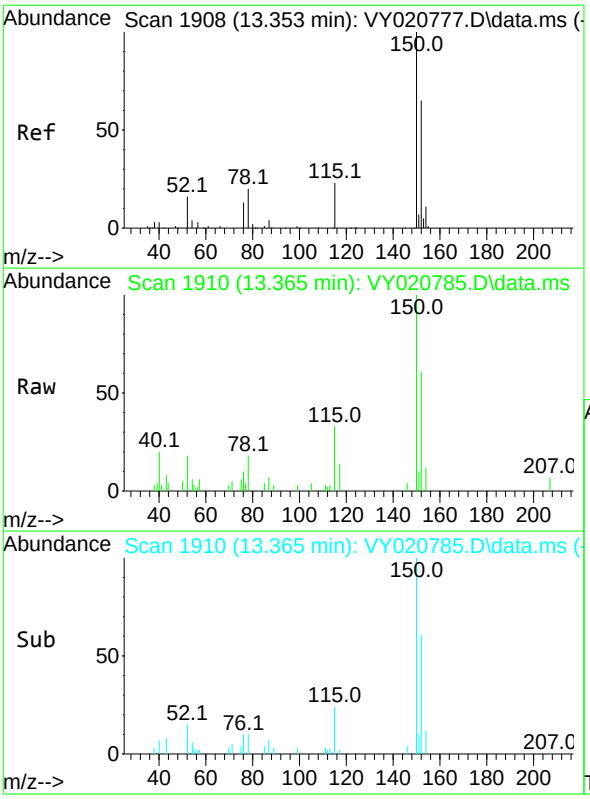


#69
o-Xylene
Concen: 4.785 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.012 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion:106 Resp: 670

Ion	Ratio	Lower	Upper
106	100		
91	188.1	108.2	324.6



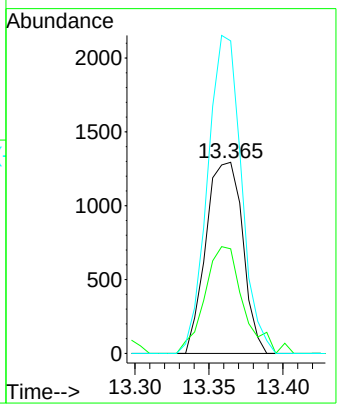


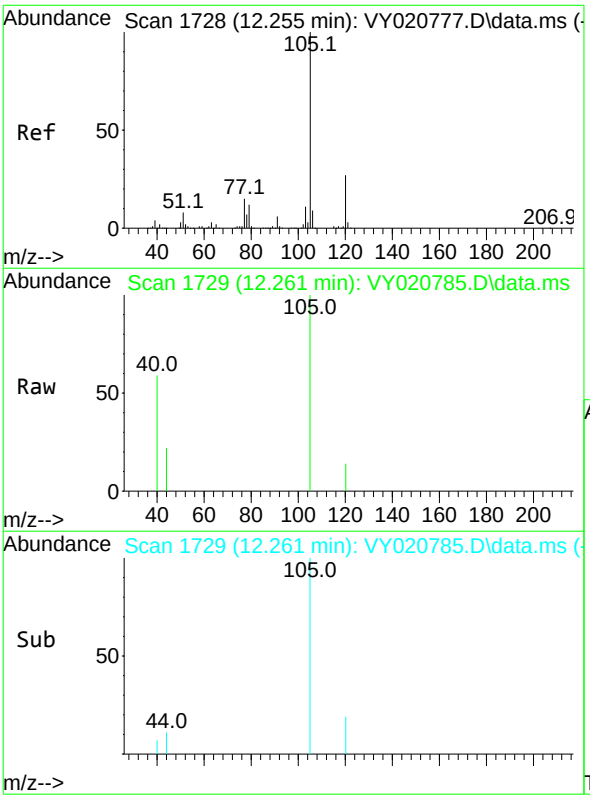
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.365 min Scan# 19
Delta R.T. 0.012 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:152 Resp: 2235

Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.0	87.0
150	153.2	0.0	347.4

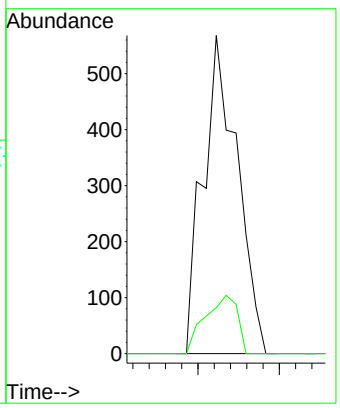


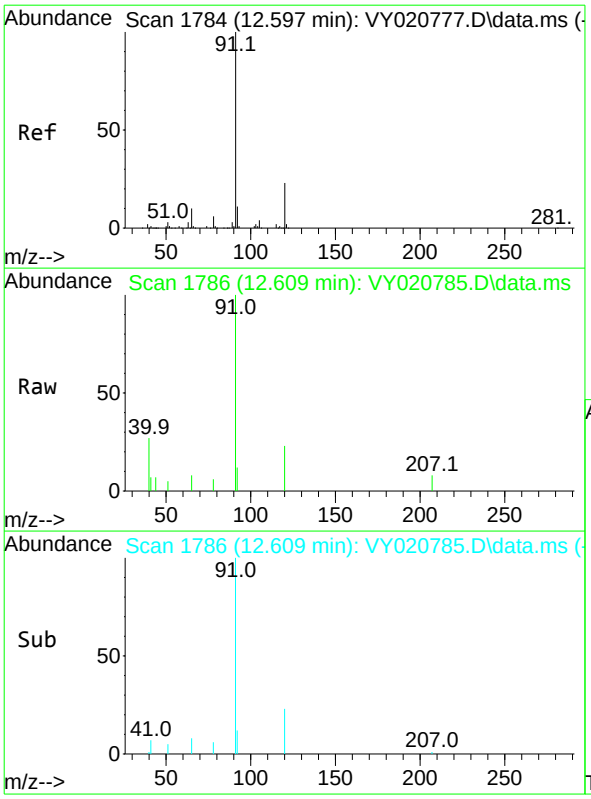


#73
Isopropylbenzene
Concen: 4.659 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion:105 Resp: 826

Ion	Ratio	Lower	Upper
105	100		
120	17.4	13.3	39.9



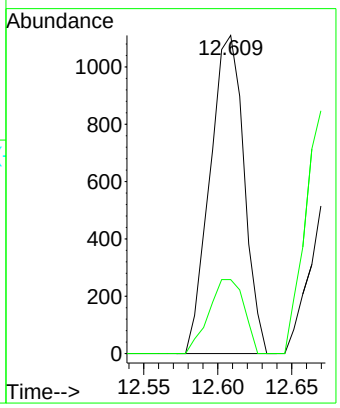


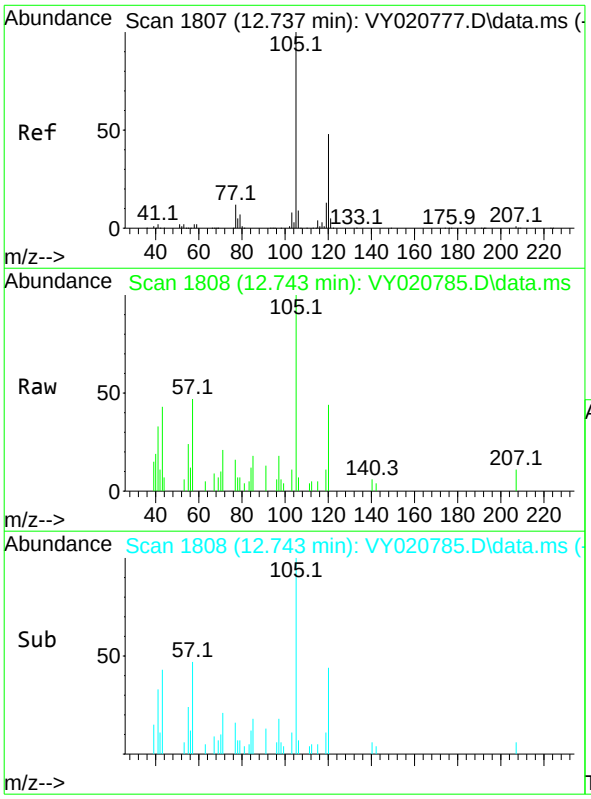
#78
n-propylbenzene
Concen: 8.825 ug/l
RT: 12.609 min Scan# 17
Delta R.T. 0.012 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion: 91 Resp: 1776

Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.1

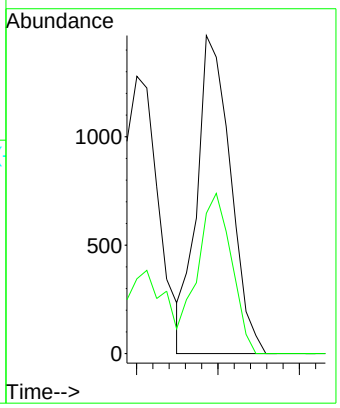


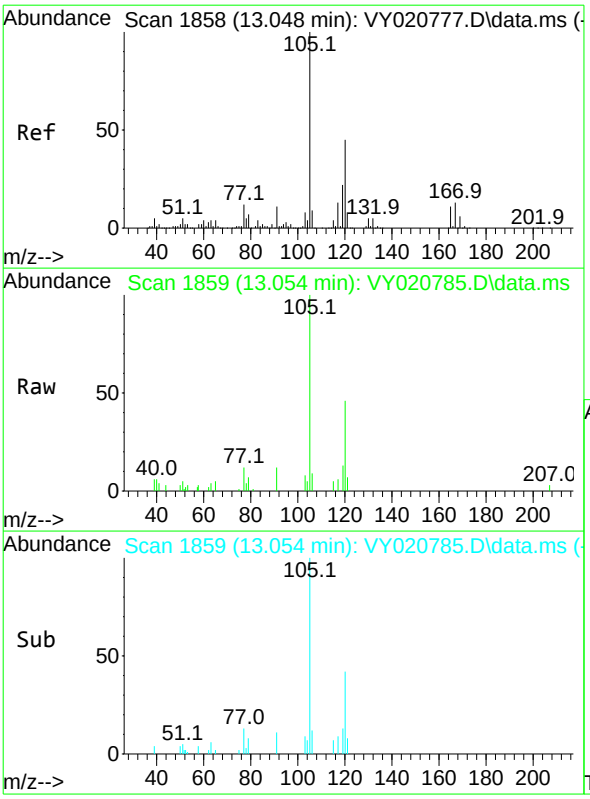


#80
1,3,5-Trimethylbenzene
Concen: 14.615 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion:105 Resp: 2100

Ion	Ratio	Lower	Upper
105	100		
120	51.2	24.5	73.5



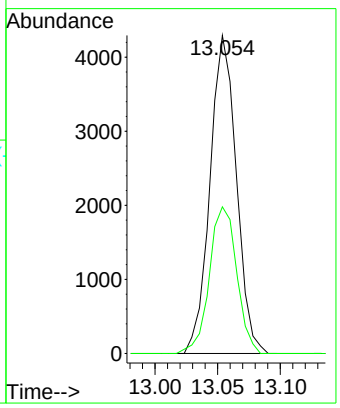


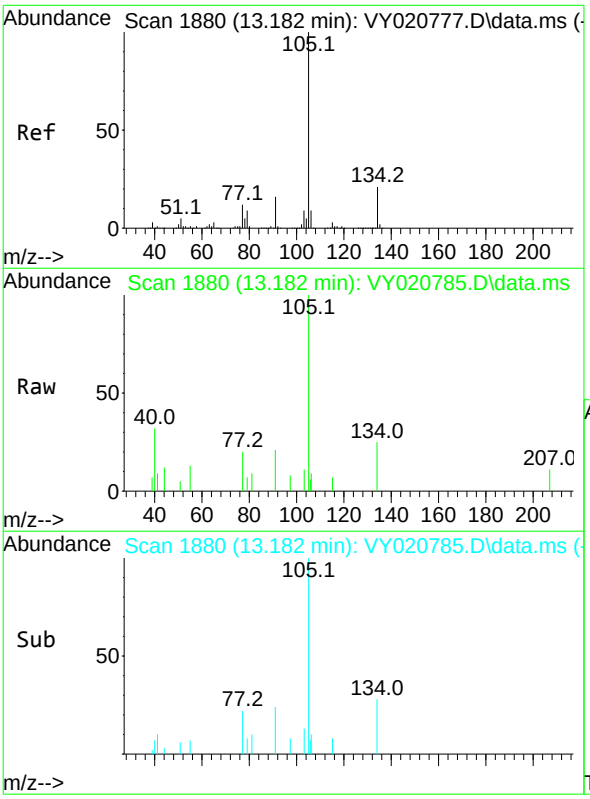
#84
1,2,4-Trimethylbenzene
Concen: 44.826 ug/l
RT: 13.054 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:105 Resp: 6290

Ion	Ratio	Lower	Upper
105	100		
120	47.8	22.4	67.2

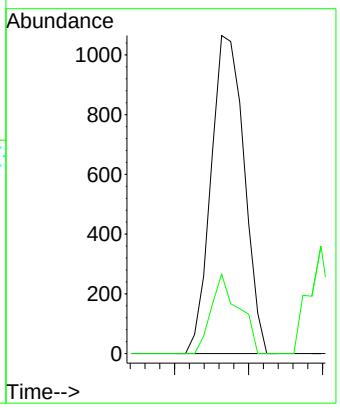


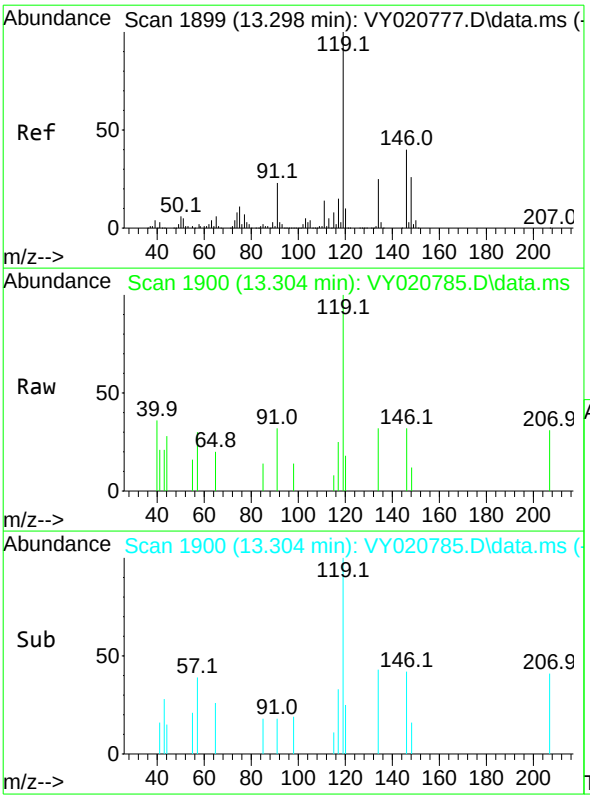


#85
sec-Butylbenzene
Concen: 8.816 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion:105 Resp: 1655

Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5



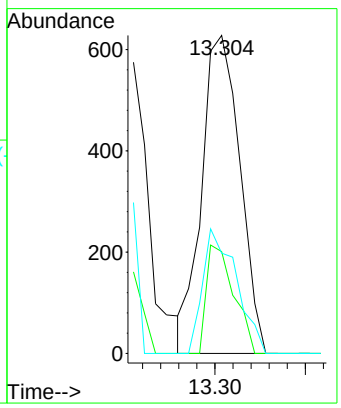


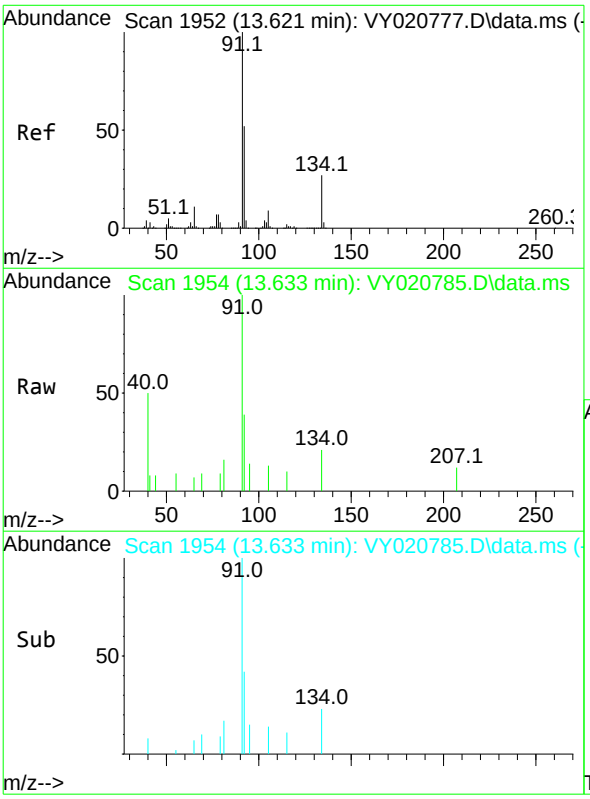
#86
p-Isopropyltoluene
Concen: 5.758 ug/l
RT: 13.304 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325

Tgt Ion:119 Resp: 922

Ion	Ratio	Lower	Upper
119	100		
134	24.4	13.0	38.9
91	34.6	11.8	35.3





#89
n-Butylbenzene
Concen: 10.610 ug/l
RT: 13.633 min Scan# 1954
Delta R.T. 0.012 min
Lab File: VY020785.D
Acq: 06 Jan 2025 15:58

Tgt Ion: 91 Resp: 1474

Ion	Ratio	Lower	Upper
91	100		
92	39.8	26.5	79.4
134	0.0	13.8	41.4#