Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
Data File : VY021090.D
Acq On : 05 Feb 2025 15:48
Operator : SY/MD
Sample : Q1288-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Quant Time: Feb 06 00:55:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	25282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	38336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	30061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	9445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12701	49.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.060%			
35) Dibromofluoromethane	7.634	113	13087	53.268	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.540%			
50) Toluene-d8	10.109	98	44791	47.888	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.407	95	10653	34.863	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 69.720%			
Target Compounds						Qvalue
78) n-propylbenzene	12.602	91	911	1.037	ug/l	92
80) 1,3,5-Trimethylbenzene	12.743	105	1030	1.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.047	105	2929	5.008	ug/l	92
89) n-Butylbenzene	13.621	91	726	1.224	ug/l #	73

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

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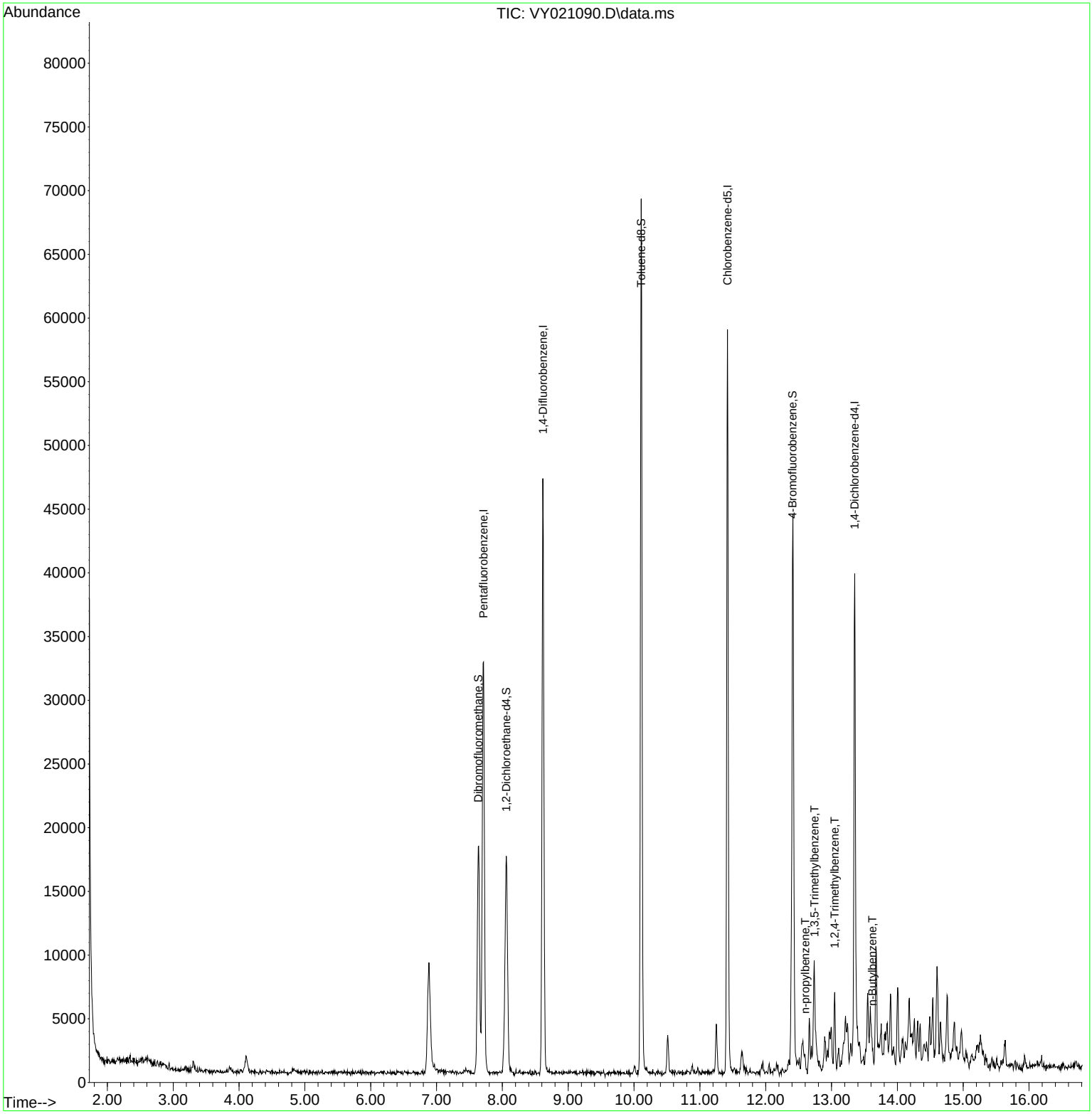
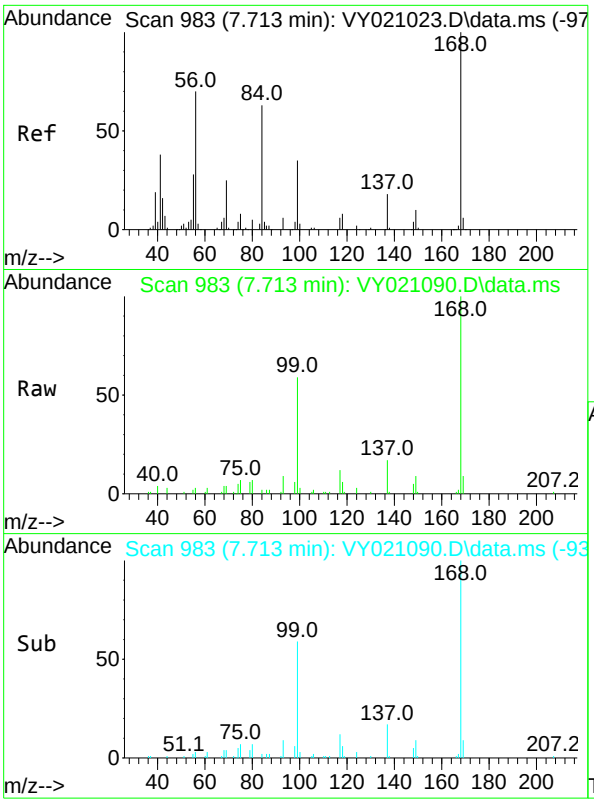


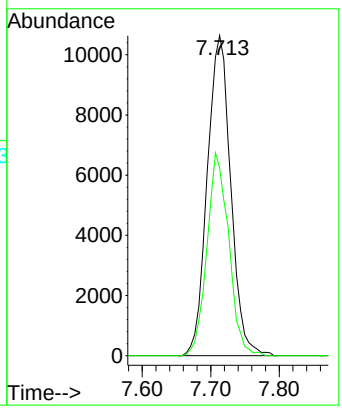


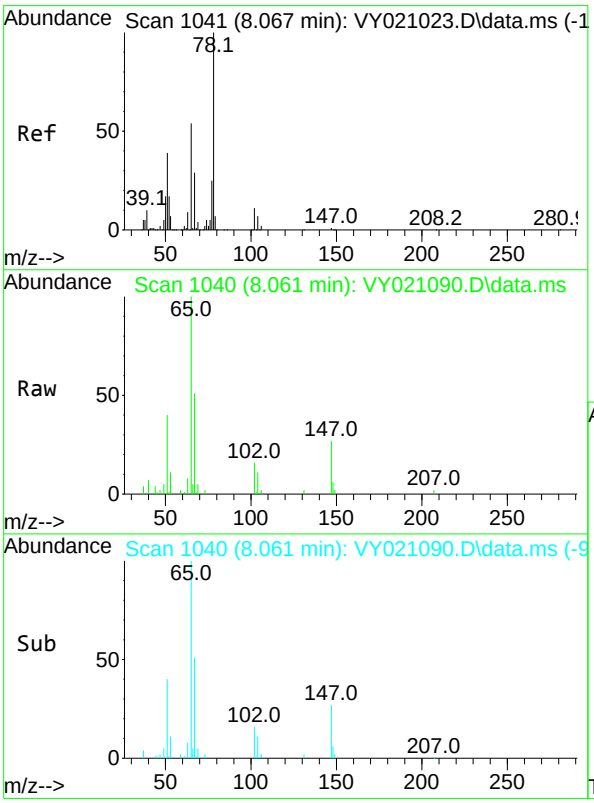
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion:168 Resp: 25282

Ion	Ratio	Lower	Upper
168	100		
99	58.7	44.2	66.4

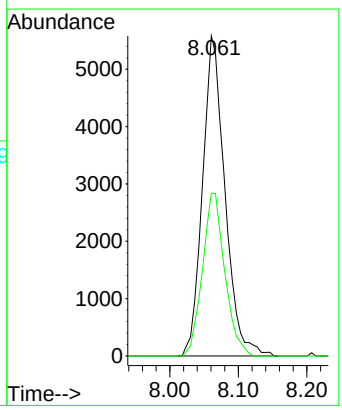


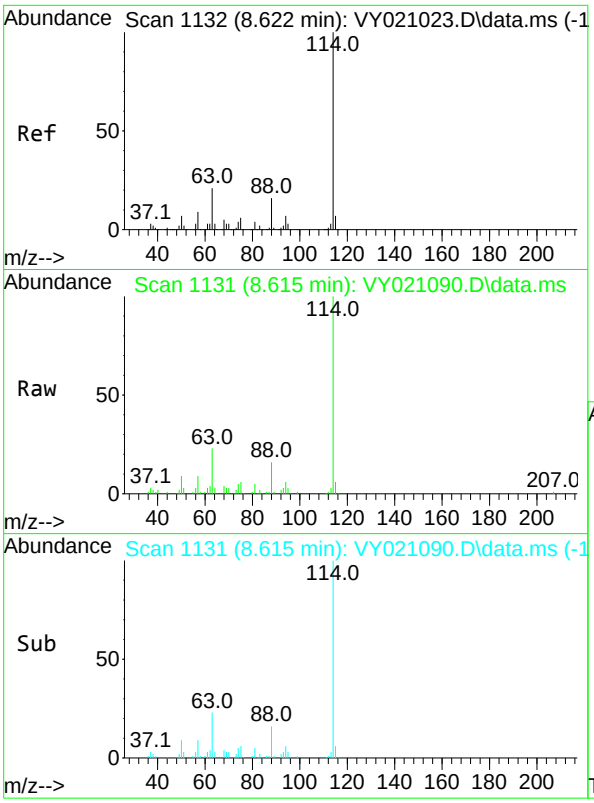


#33
1,2-Dichloroethane-d4
Concen: 49.032 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Tgt Ion: 65 Resp: 12701

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	109.0



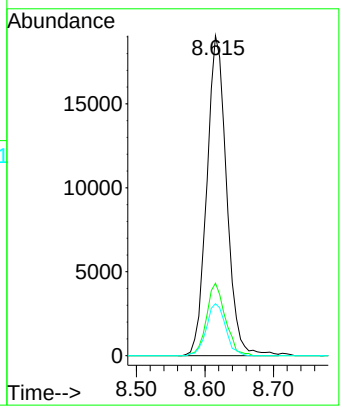


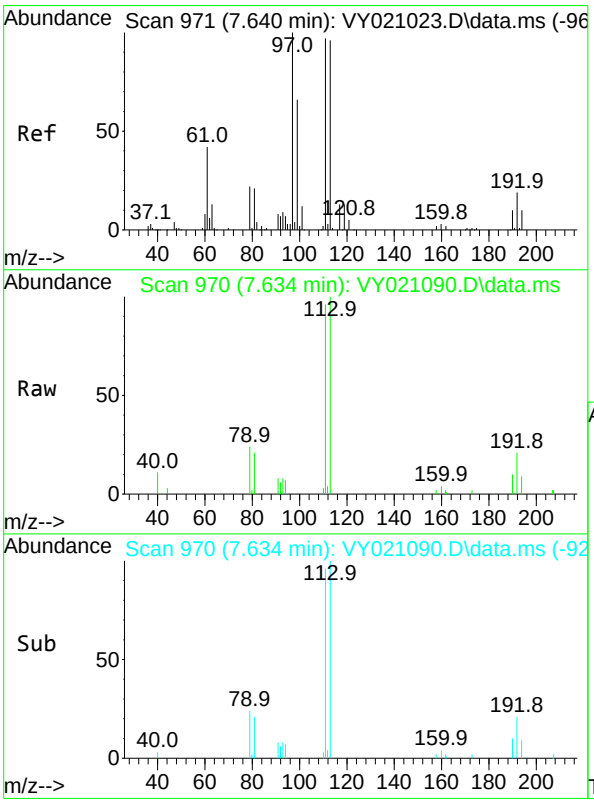
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion:114 Resp: 38336

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	37.4
88	16.2	0.0	29.0

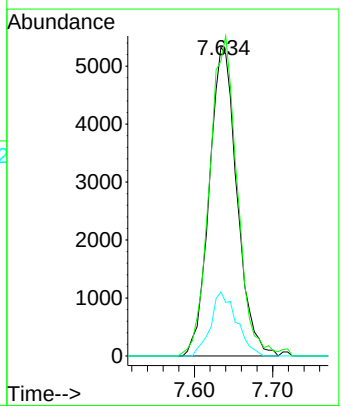


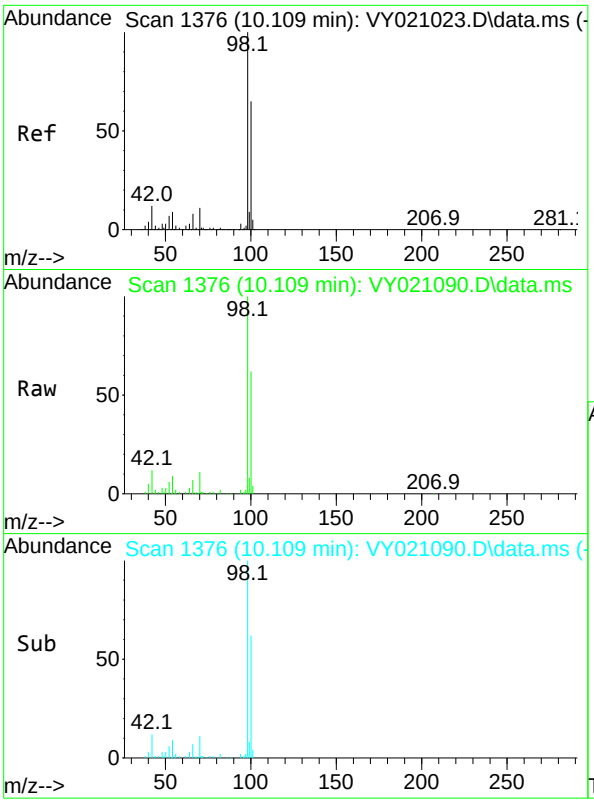


#35
Dibromofluoromethane
Concen: 53.268 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.007 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Tgt Ion:113 Resp: 13087

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.8	125.6
192	19.4	14.5	21.7



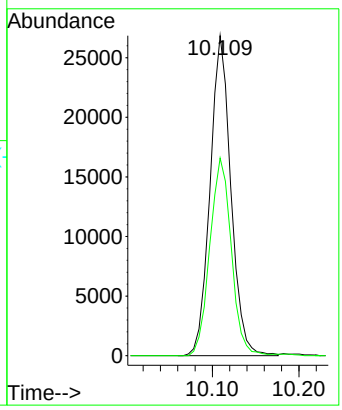


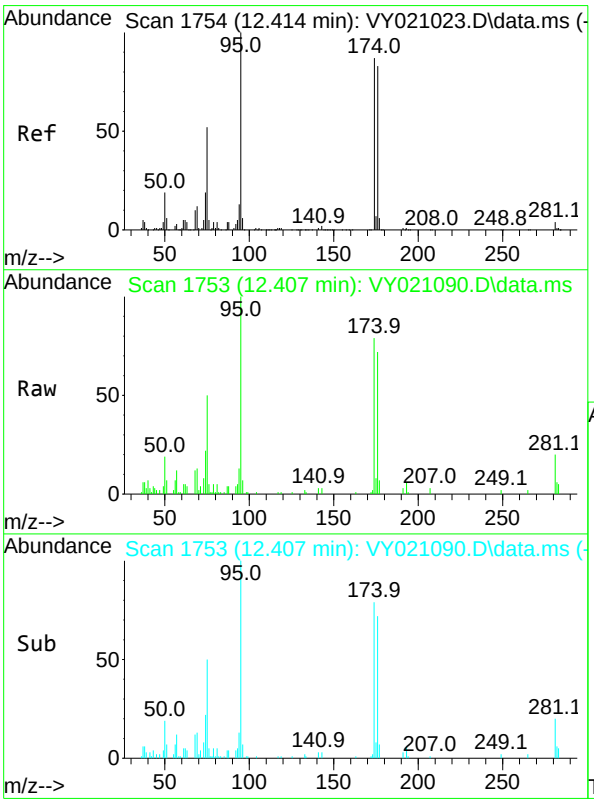
#50
Toluene-d8
Concen: 47.888 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion: 98 Resp: 44791

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.3	78.5

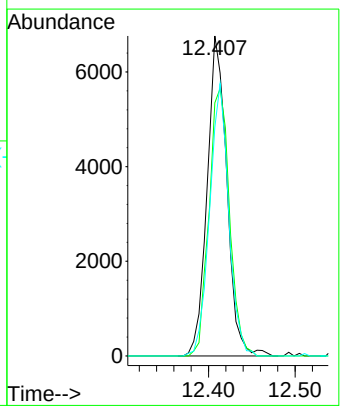


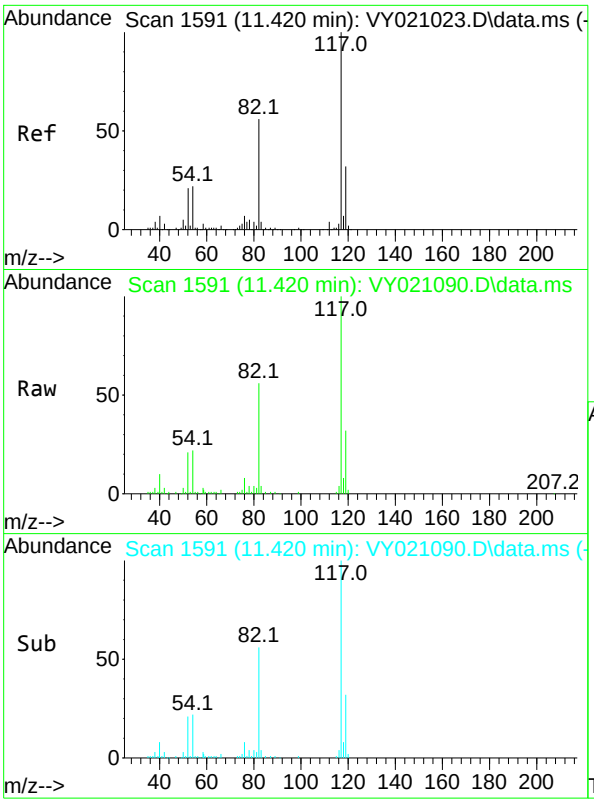


#62
4-Bromofluorobenzene
Concen: 34.863 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.007 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Tgt Ion: 95 Resp: 10653

Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	160.0
176	82.5	0.0	151.8



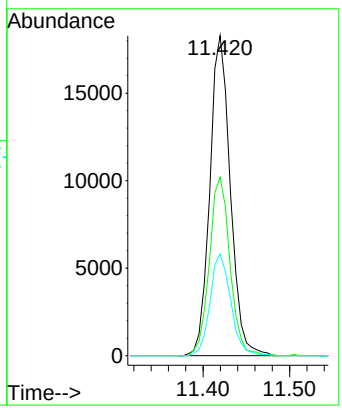


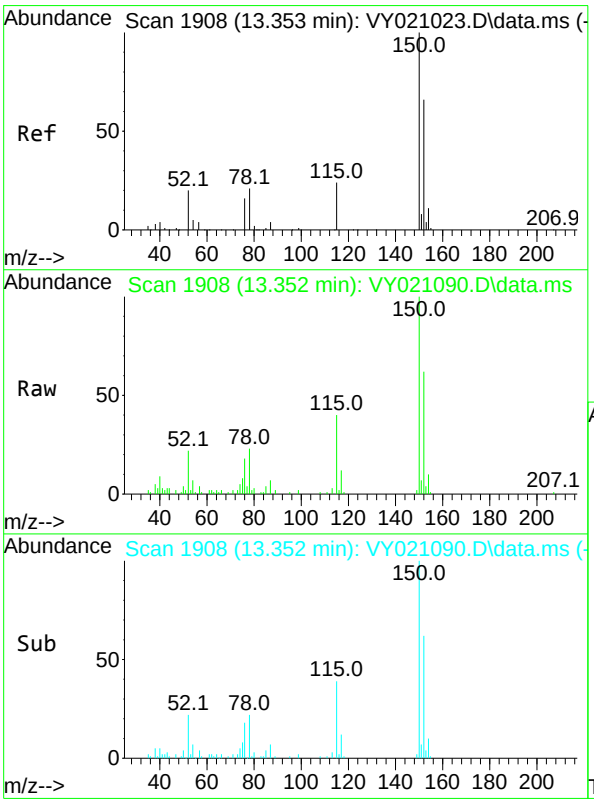
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion:117 Resp: 30061

Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.8	65.8
119	31.8	26.5	39.7

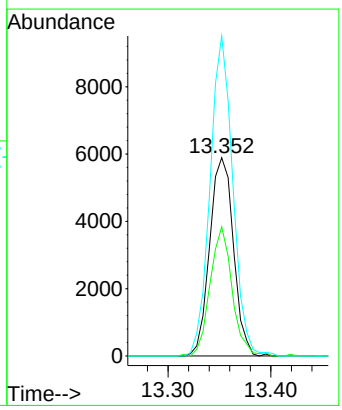


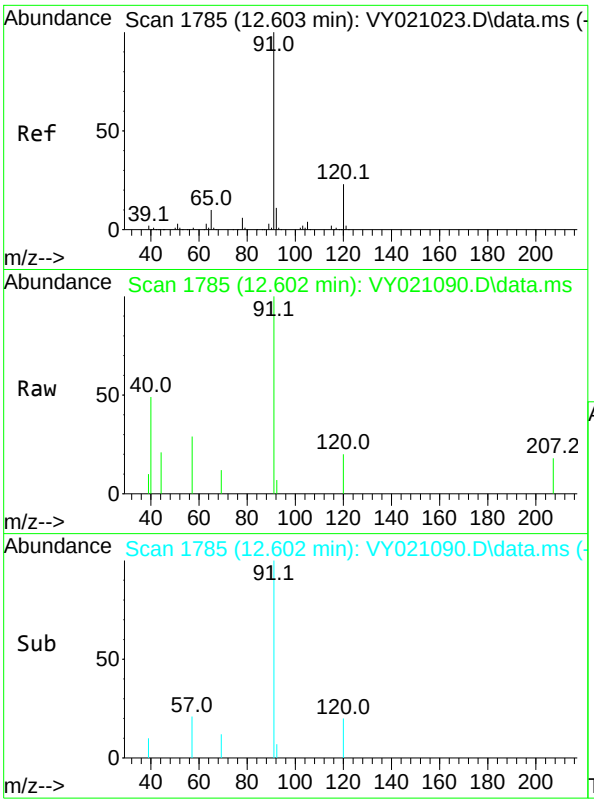


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Tgt Ion:152 Resp: 9445

Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.0	90.0
150	154.4	0.0	344.6



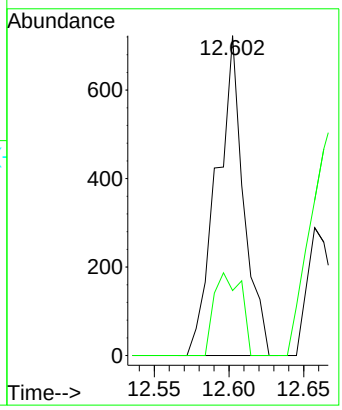


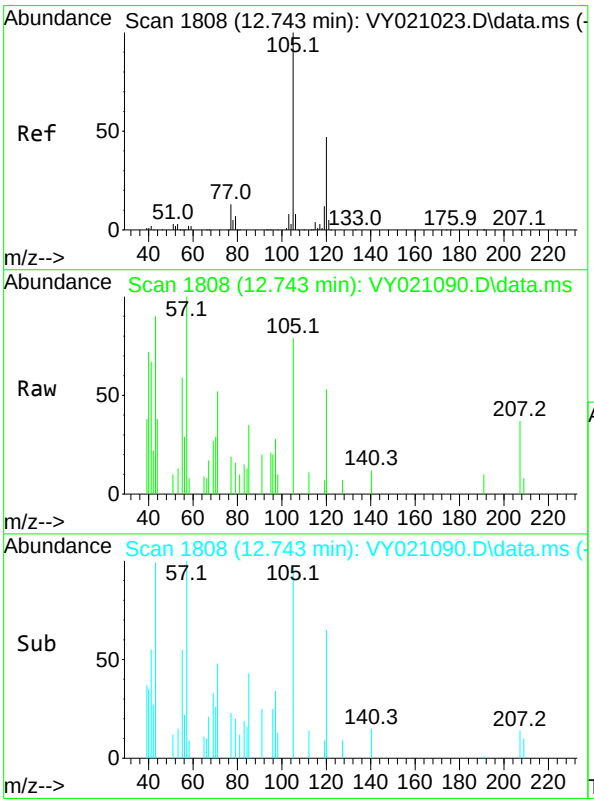
#78
n-propylbenzene
Concen: 1.037 ug/l
RT: 12.602 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion: 91 Resp: 911

Ion	Ratio	Lower	Upper
91	100		
120	25.9	11.0	33.0

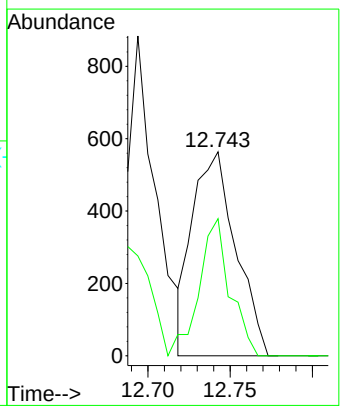


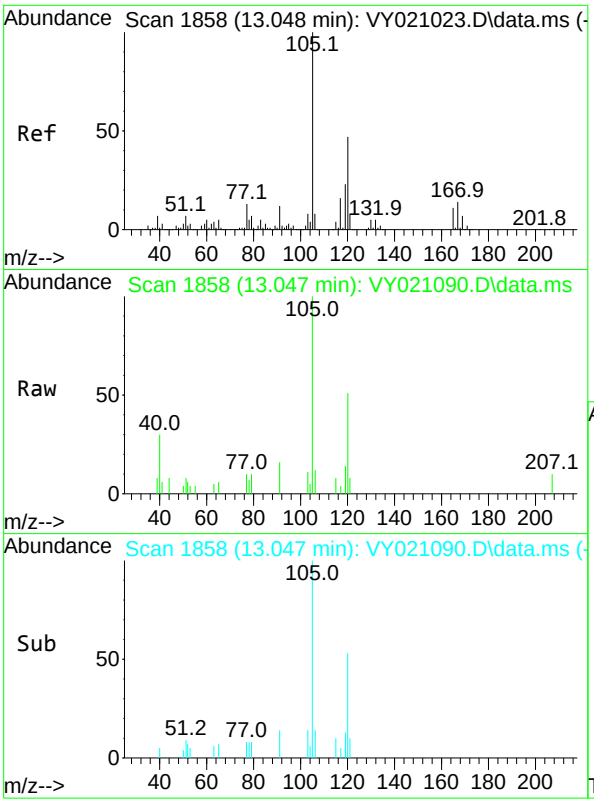


#80
1,3,5-Trimethylbenzene
Concen: 1.722 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Tgt Ion:105 Resp: 1030

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.3	72.8



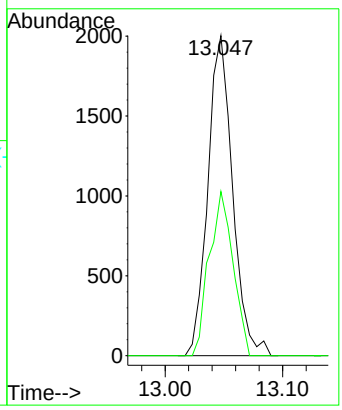


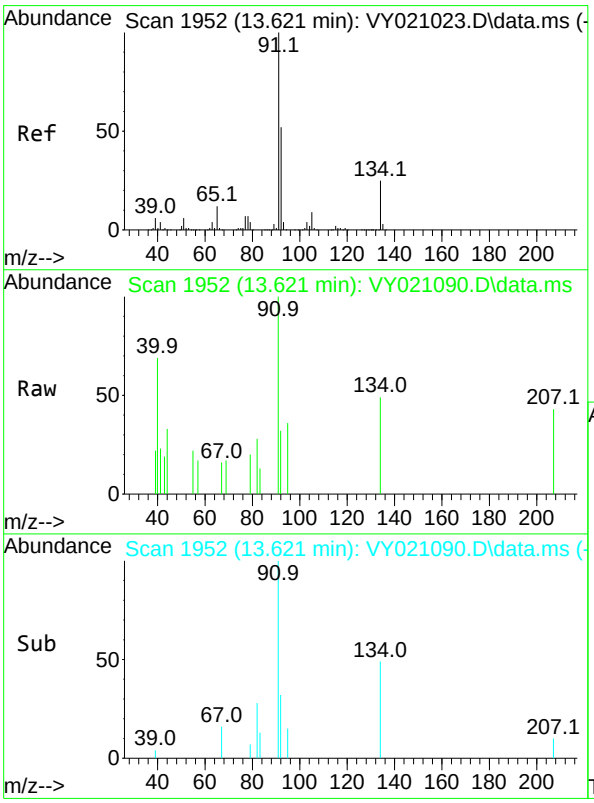
#84
1,2,4-Trimethylbenzene
Concen: 5.008 ug/l
RT: 13.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion:105 Resp: 2929

Ion	Ratio	Lower	Upper
105	100		
120	49.4	22.1	66.3





#89
n-Butylbenzene
Concen: 1.224 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY021090.D
Acq: 05 Feb 2025 15:48

Tgt Ion: 91 Resp: 726

Ion	Ratio	Lower	Upper
91	100		
92	40.8	26.4	79.2
134	0.0	12.3	36.8#