Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021361.D
Acq On : 27 Feb 2025 16:22
Operator : SY/MD
Sample : Q1427-01RE
Misc : 6.10g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Quant Time: Feb 28 00:42:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	95376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	168030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	154818	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	120893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	58758	54.307	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.634	113	55926	50.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.540%			
50) Toluene-d8	10.103	98	364750	85.673	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 171.340%#			
62) 4-Bromofluorobenzene	12.402	95	244804	170.854	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 341.700%#			
Target Compounds						Qvalue
16) Acetone	3.854	43	10789	51.984	ug/l #	83
31) Cyclohexane	7.701	56	49745	26.078	ug/l	98
39) Methylcyclohexane	9.103	83	251095	119.971	ug/l	91
73) Isopropylbenzene	12.255	105	219230	24.121	ug/l	98
78) n-propylbenzene	12.597	91	451626	40.949	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	19976	2.680	ug/l	84
85) sec-Butylbenzene	13.176	105	723028	73.512	ug/l #	77
89) n-Butylbenzene	13.621	91	309757	40.080	ug/l #	71

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

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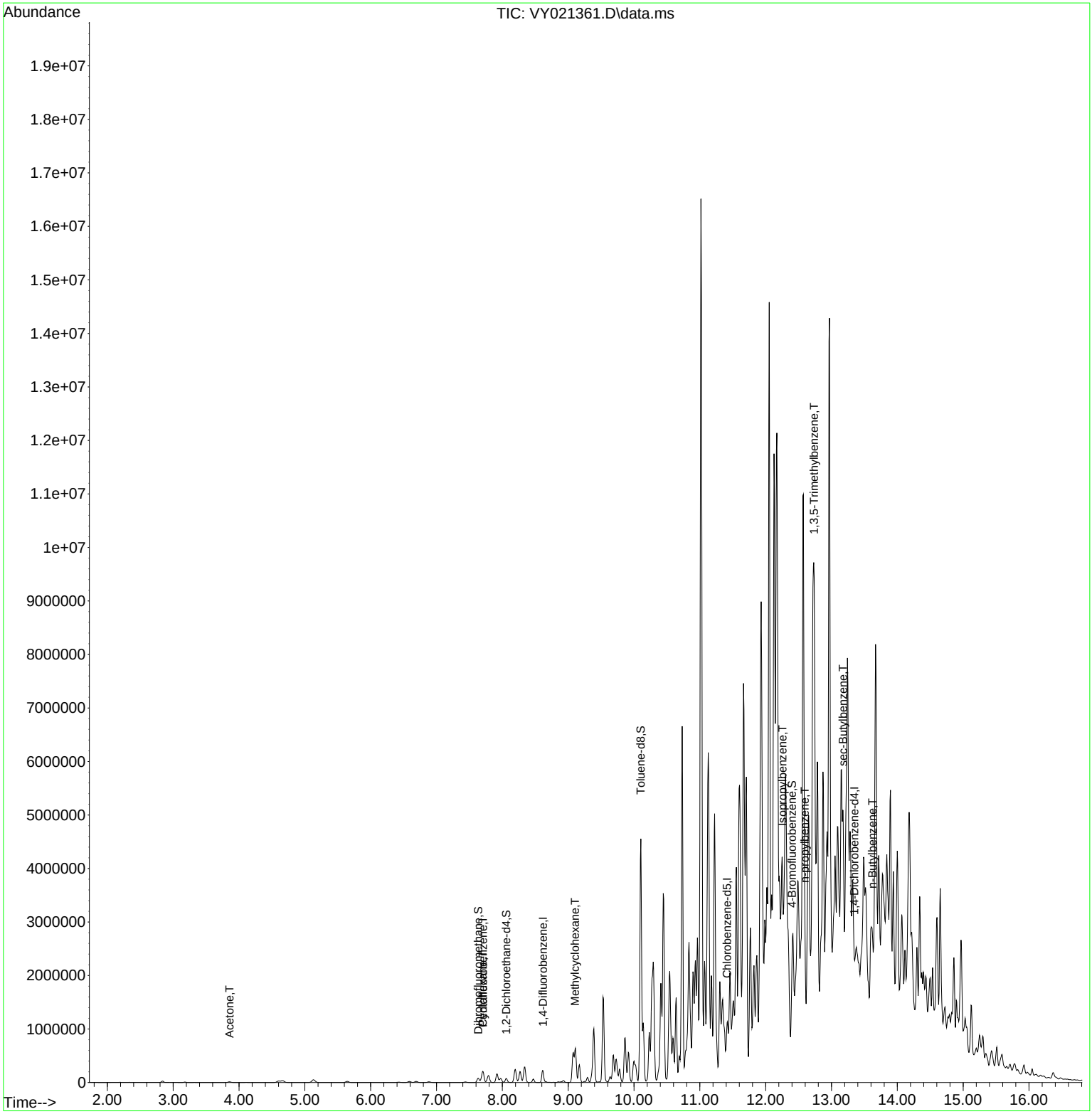
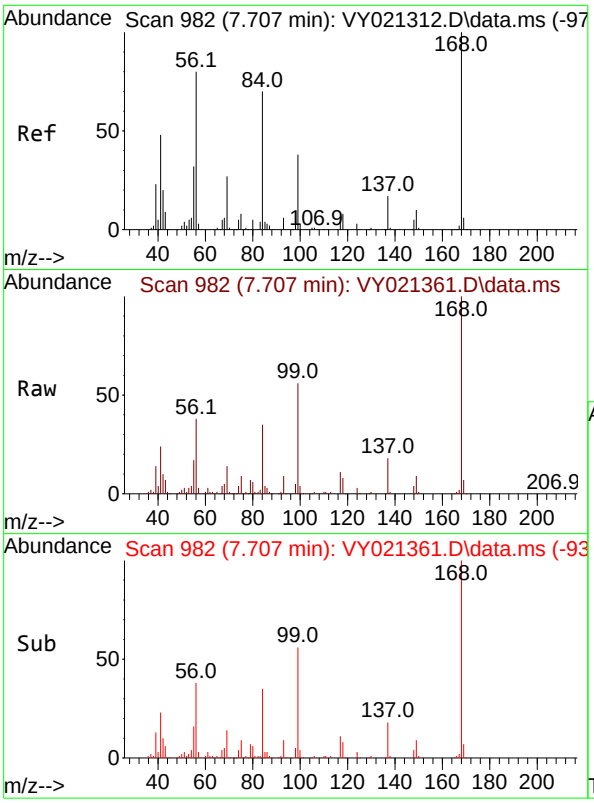


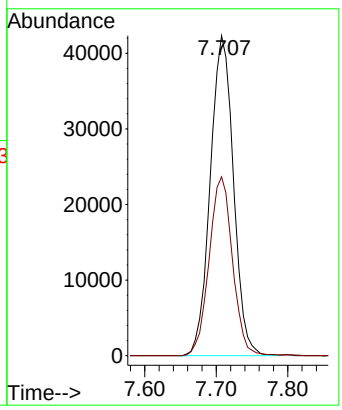


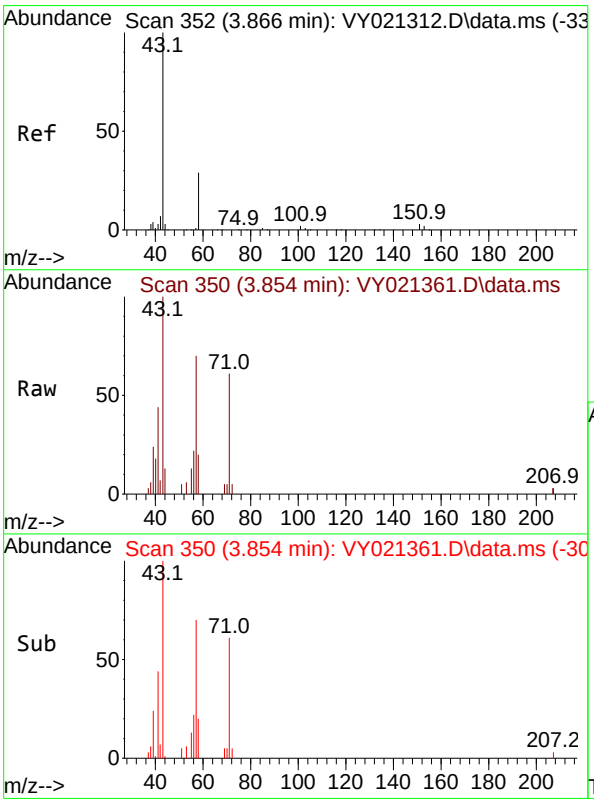
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion:168 Resp: 95376

Ion	Ratio	Lower	Upper
168	100		
99	55.9	47.1	70.7

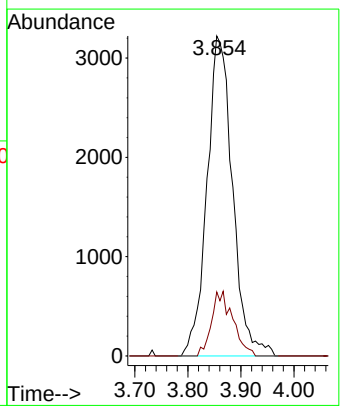


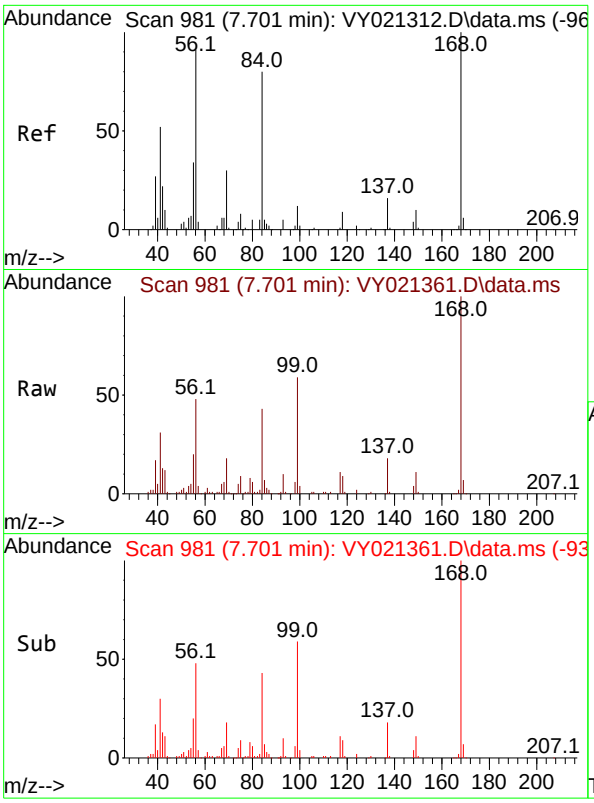


#16
Acetone
Concen: 51.984 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.012 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion: 43 Resp: 10789

Ion	Ratio	Lower	Upper
43	100		
58	20.0	23.5	35.3#



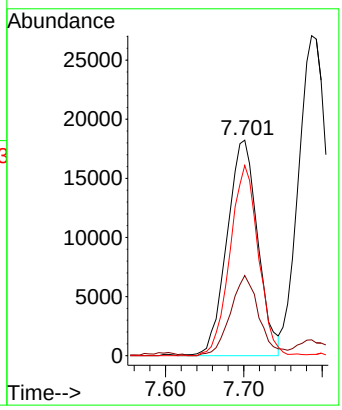


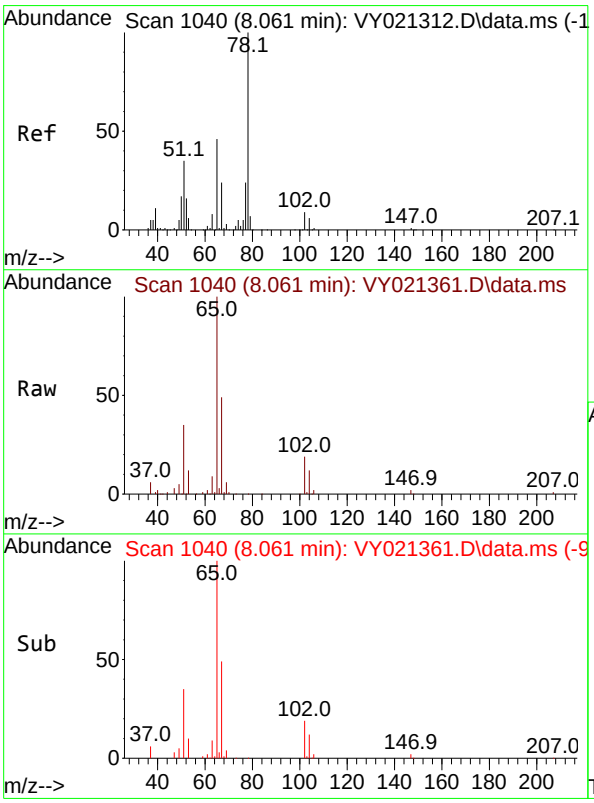
#31
Cyclohexane
Concen: 26.078 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion: 56 Resp: 49745

Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.2	39.4
84	88.2	70.2	105.4

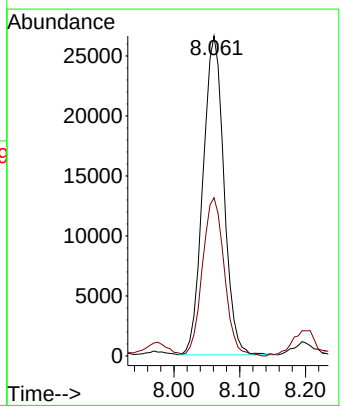


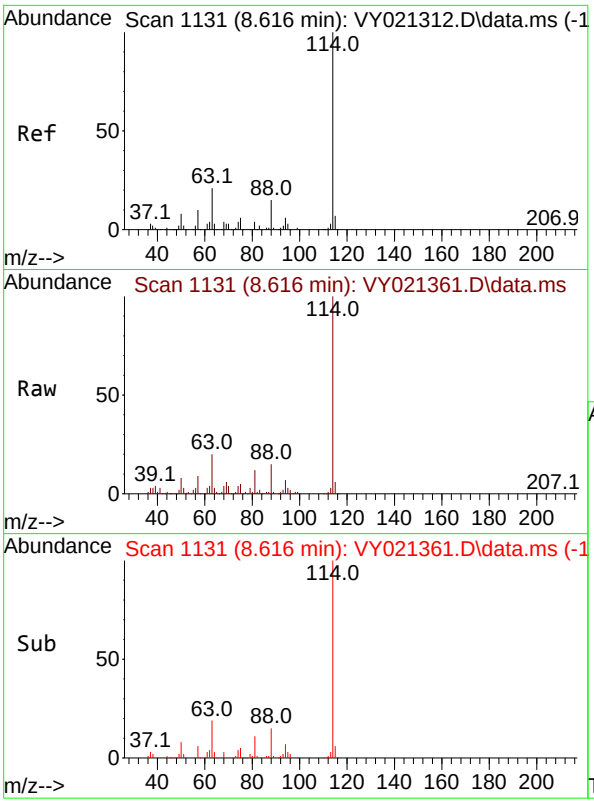


#33
1,2-Dichloroethane-d4
Concen: 54.307 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion: 65 Resp: 58758

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6



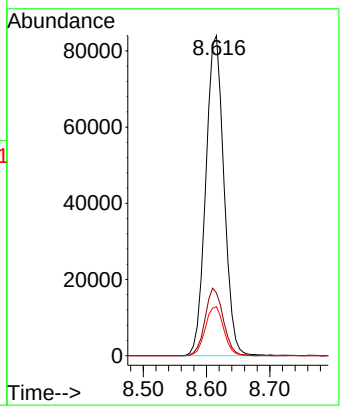


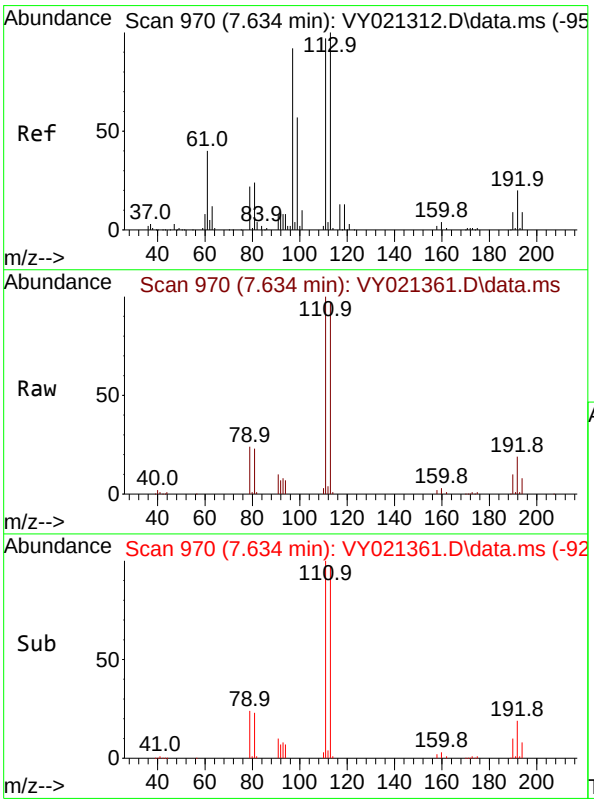
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion:114 Resp: 168030

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.2
88	15.3	0.0	29.8

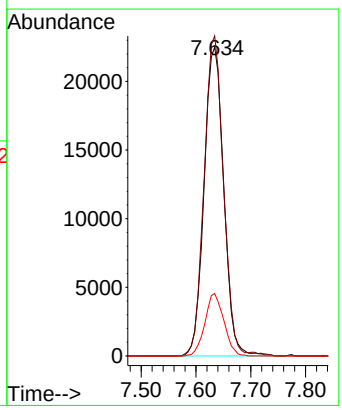


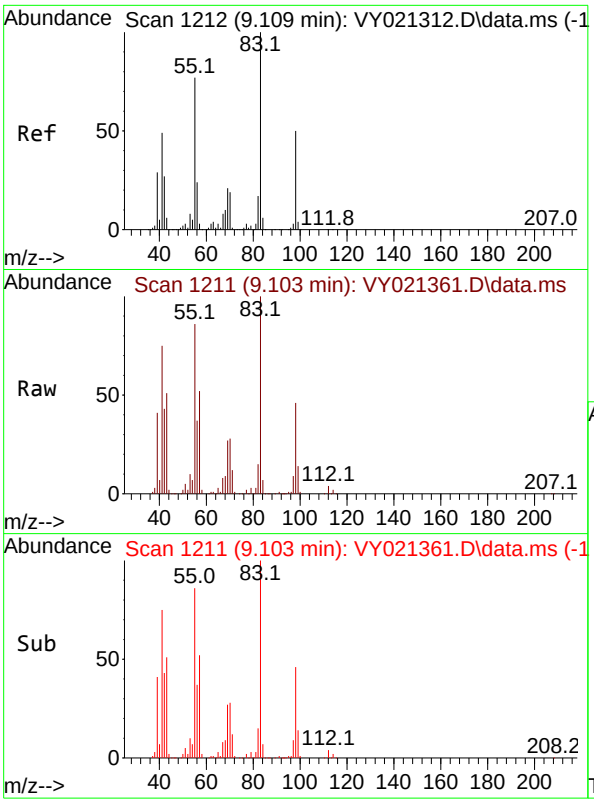


#35
Dibromofluoromethane
Concen: 50.767 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion:113 Resp: 55926

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.6
192	19.5	15.8	23.8



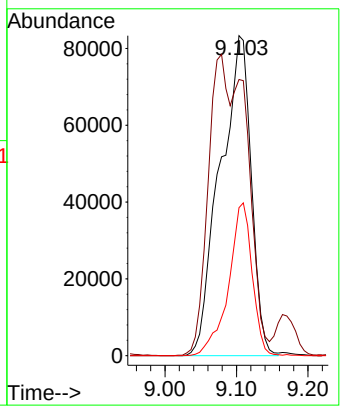


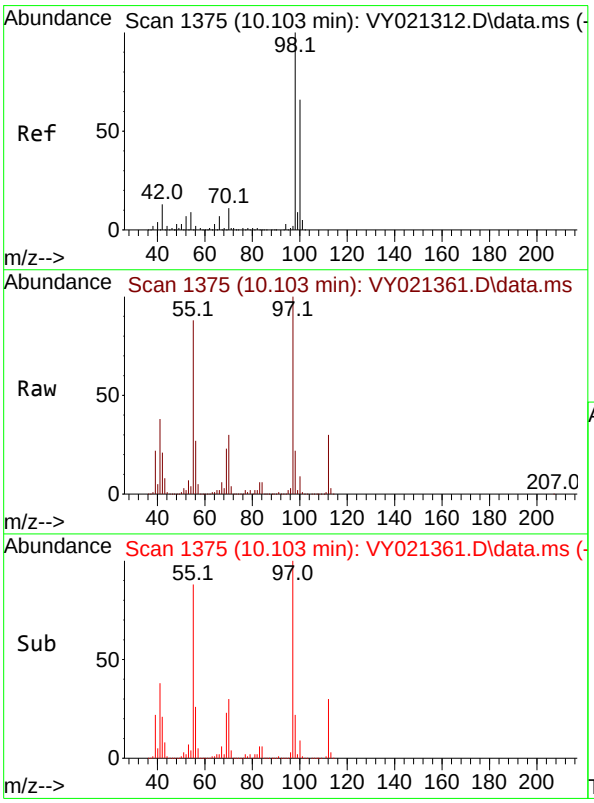
#39
Methylcyclohexane
Concen: 119.971 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion: 83 Resp: 251095

Ion	Ratio	Lower	Upper
83	100		
55	86.2	61.3	91.9
98	46.2	39.9	59.9

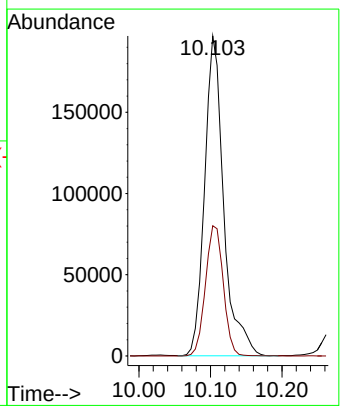


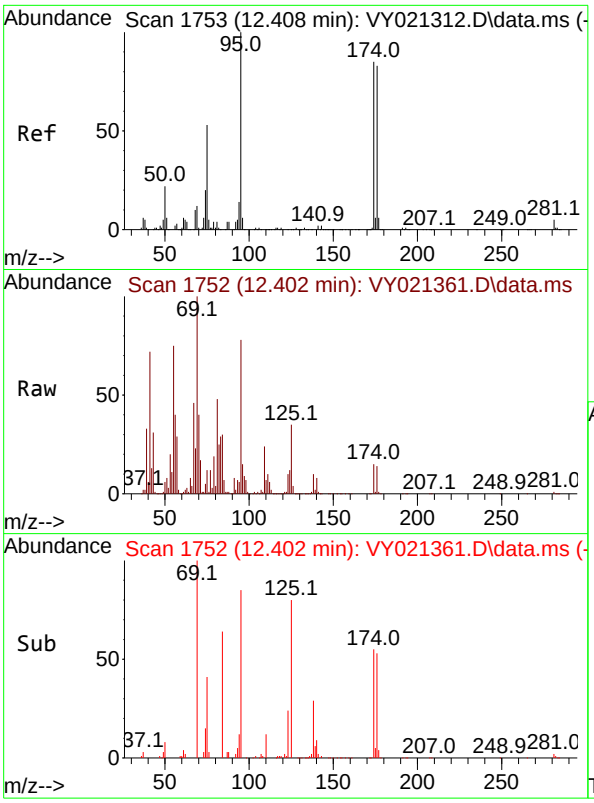


#50
Toluene-d8
Concen: 85.673 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion: 98 Resp: 364750

Ion	Ratio	Lower	Upper
98	100		
100	38.1	52.4	78.6#



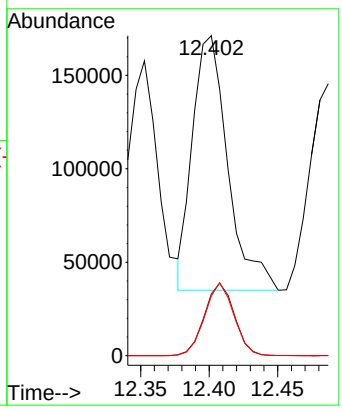


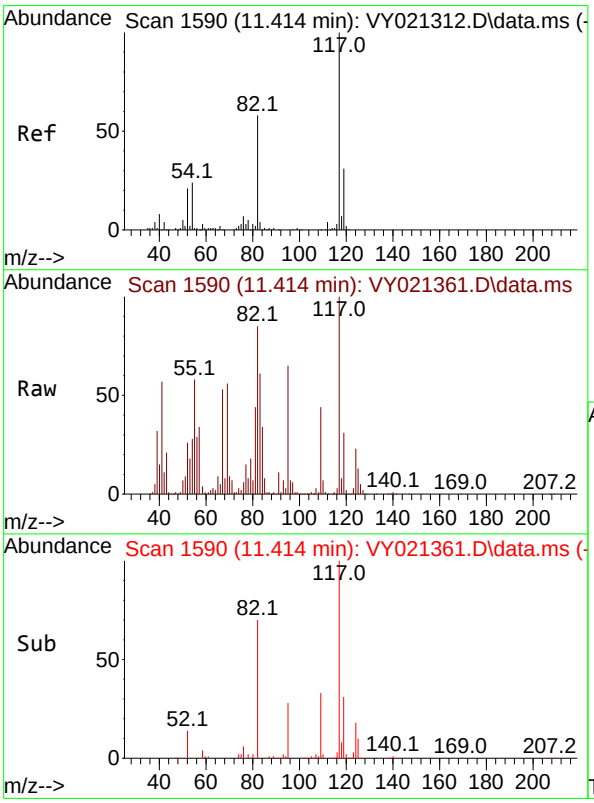
#62
4-Bromofluorobenzene
Concen: 170.854 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion: 95 Resp: 244804

Ion	Ratio	Lower	Upper
95	100		
174	24.2	0.0	168.0
176	23.6	0.0	162.6

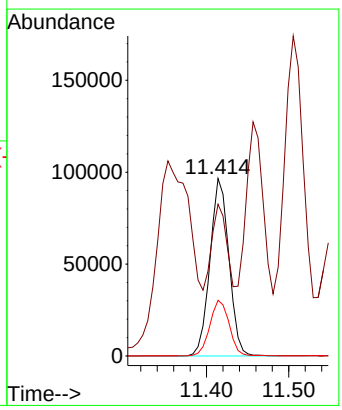


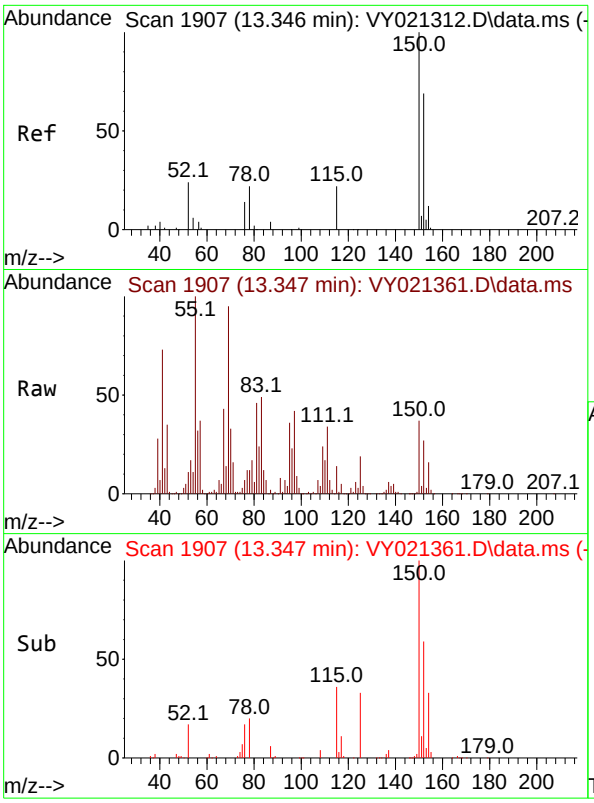


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion:117 Resp: 154818

Ion	Ratio	Lower	Upper
117	100		
82	35.3	46.2	69.4#
119	31.3	24.9	37.3



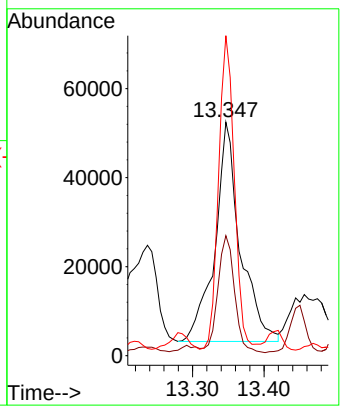


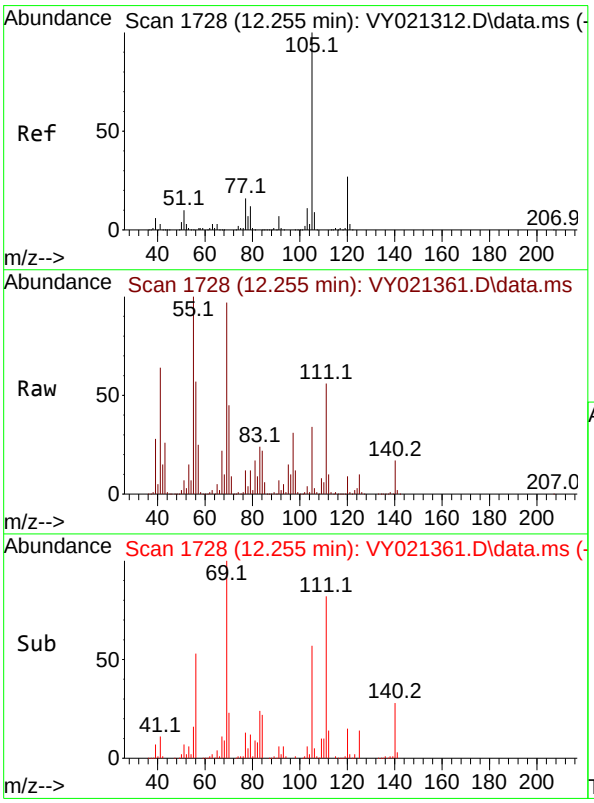
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion:152 Resp: 120893

Ion	Ratio	Lower	Upper
152	100		
115	35.3	29.3	88.0
150	90.8	0.0	347.4

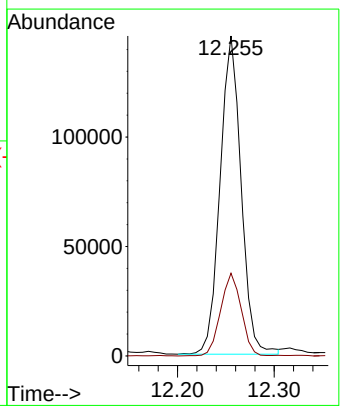


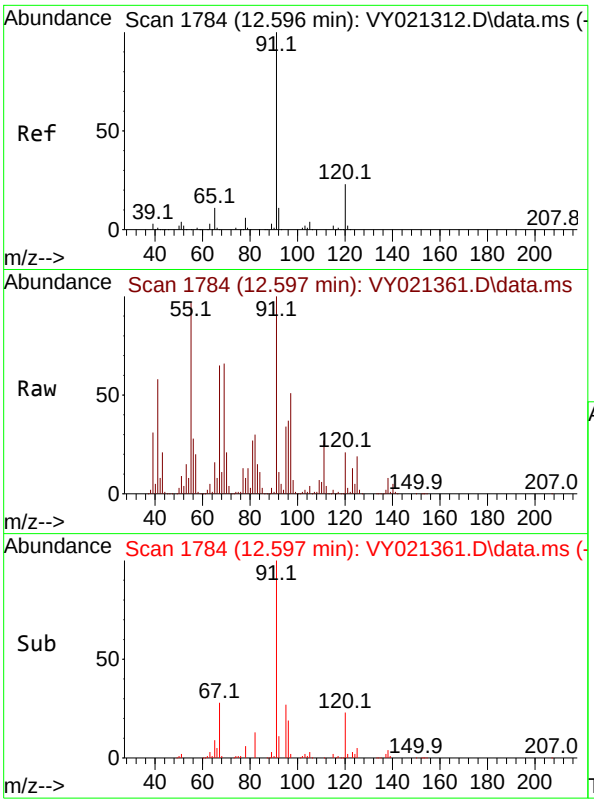


#73
Isopropylbenzene
Concen: 24.121 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion:105 Resp: 219230

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.3	39.8



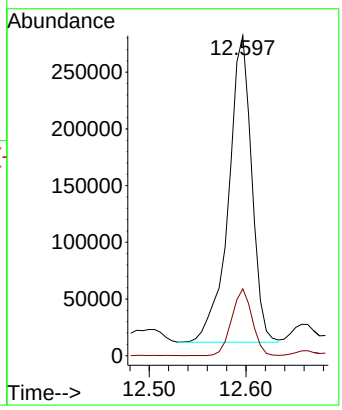


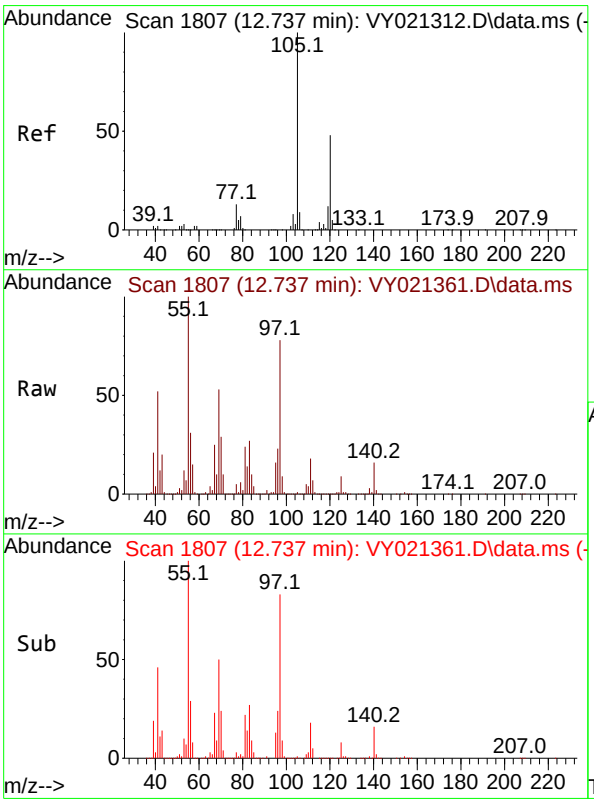
#78
n-propylbenzene
Concen: 40.949 ug/l
RT: 12.597 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion: 91 Resp: 451626

Ion	Ratio	Lower	Upper
91	100		
120	19.3	11.2	33.5

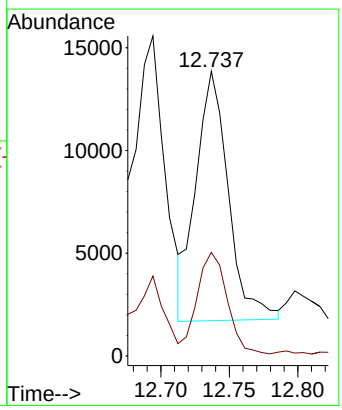


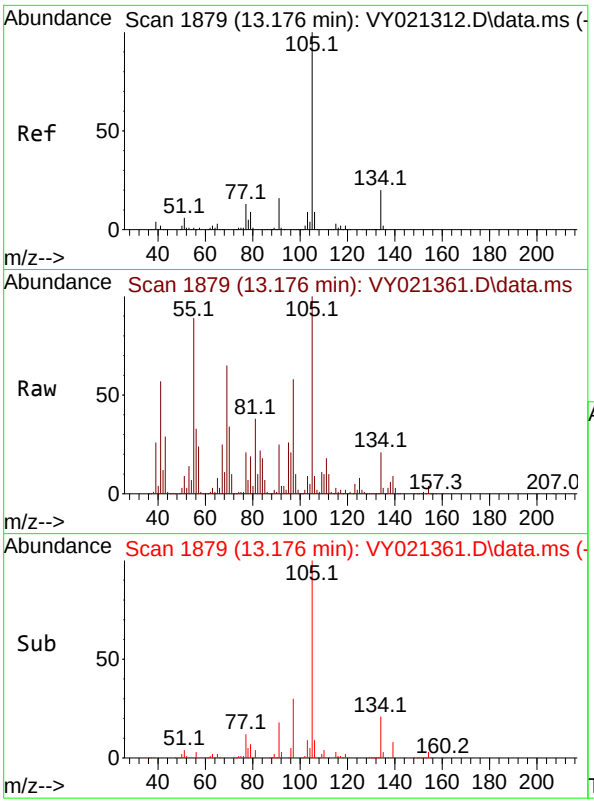


#80
1,3,5-Trimethylbenzene
Concen: 2.680 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion:105 Resp: 19976

Ion	Ratio	Lower	Upper
105	100		
120	37.9	24.3	73.0



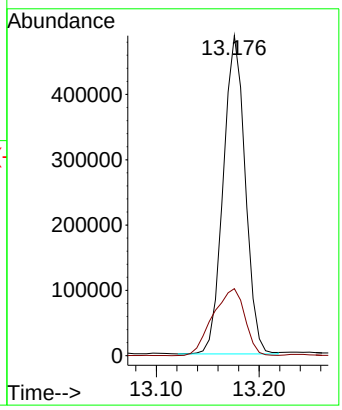


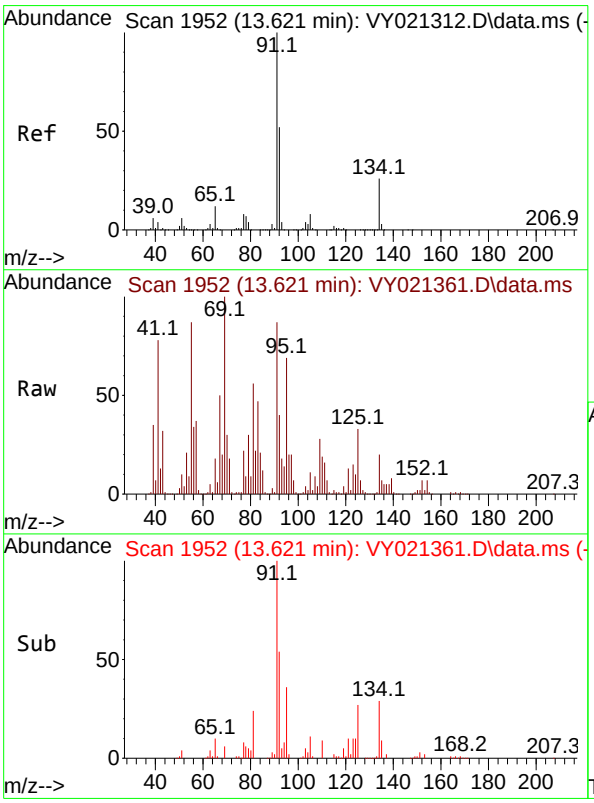
#85
sec-Butylbenzene
Concen: 73.512 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227RE

Tgt Ion:105 Resp: 723028

Ion	Ratio	Lower	Upper
105	100		
134	30.7	10.0	30.0#





#89
n-Butylbenzene
Concen: 40.080 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY021361.D
Acq: 27 Feb 2025 16:22

Tgt Ion: 91 Resp: 309757

Ion	Ratio	Lower	Upper
91	100		
92	39.3	26.4	79.2
134	0.0	12.7	38.0#