Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
Data File : VX044704.D
Acq On : 23 Jan 2025 11:16
Operator : JC/MD
Sample : Q1145-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Quant Time: Jan 24 03:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	28355	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	158559	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	144308	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	76052	27.783	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.600%			
60) 4-Bromofluorobenzene	11.079	95	80994	28.896	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.333%			
63) Toluene-d8	8.647	98	237595	30.271	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.900%			
Target Compounds						Qvalue
15) Acetone	2.380	58	6106	20.423	ug/l	90
16) Carbon Disulfide	2.502	76	1857	0.319	ug/l #	92
58) 4-Methyl-2-Pentanone	8.574	43	4245	1.396	ug/l	97
62) Toluene	8.714	91	275592	29.003	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	2555	0.324	ug/l	95
82) p-Isopropyltoluene	12.006	119	7569	0.960	ug/l	98
91) Naphthalene	13.780	128	2077	0.225	ug/l	99

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

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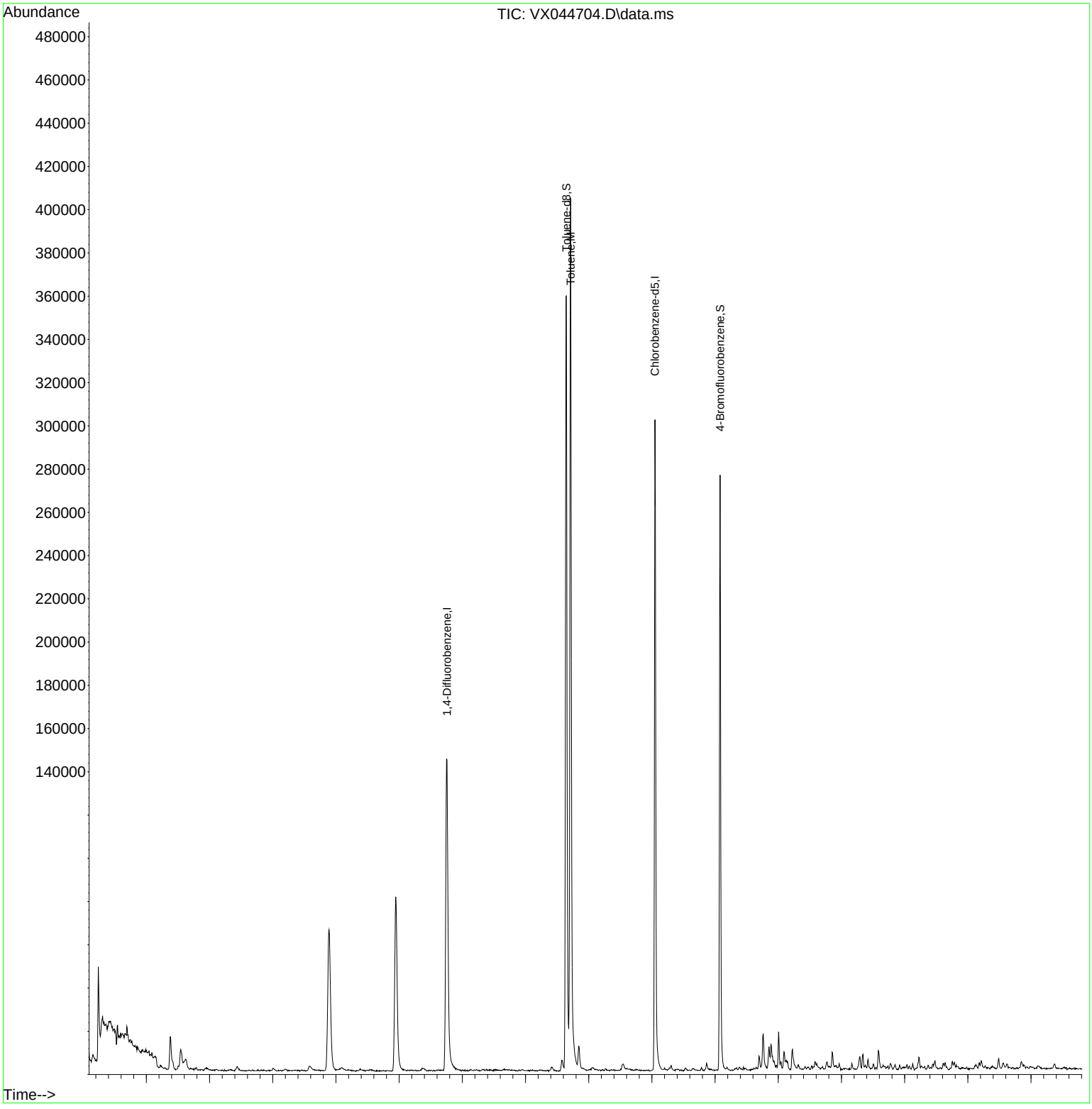
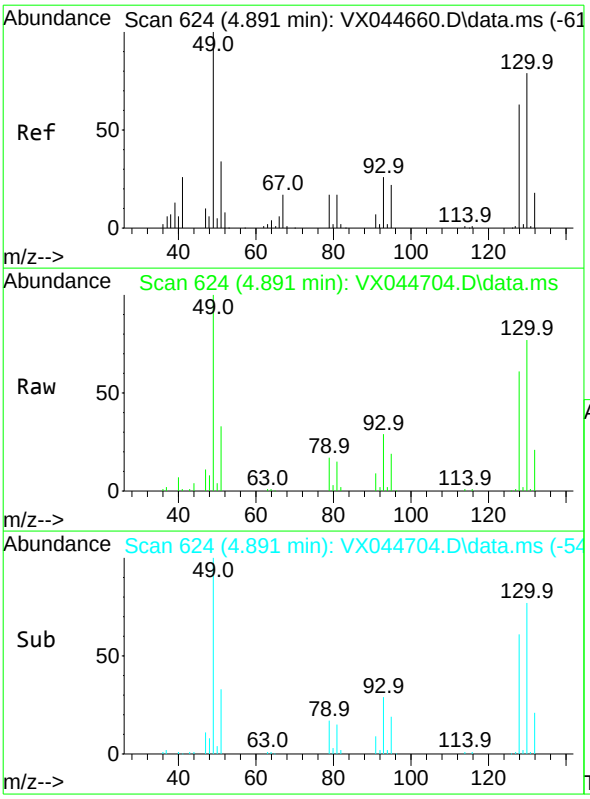


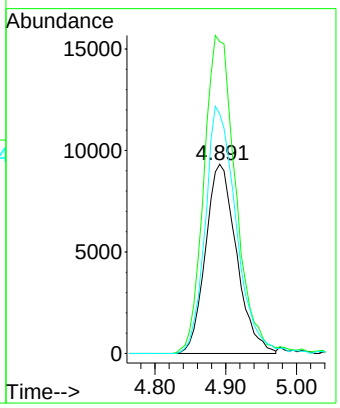


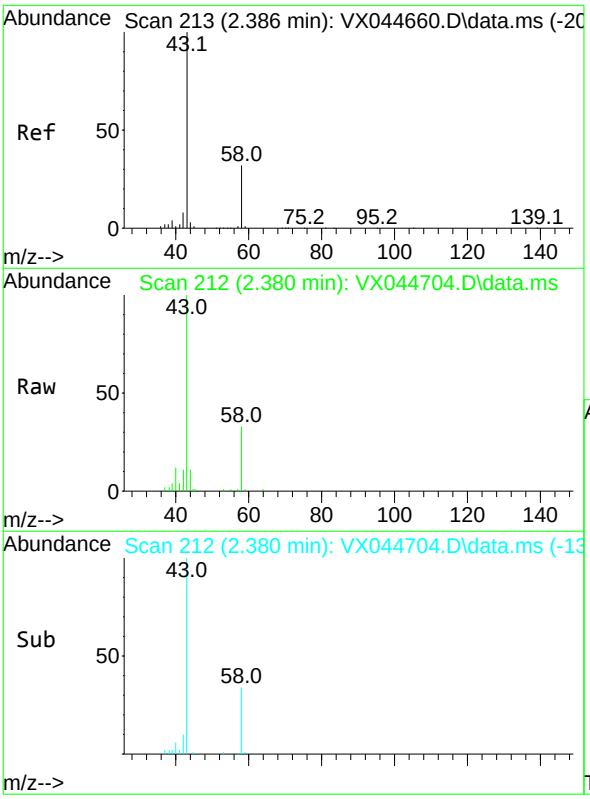
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion:128 Resp: 28355

Ion	Ratio	Lower	Upper
128	100		
49	171.1	0.0	411.5
130	129.1	0.0	324.3

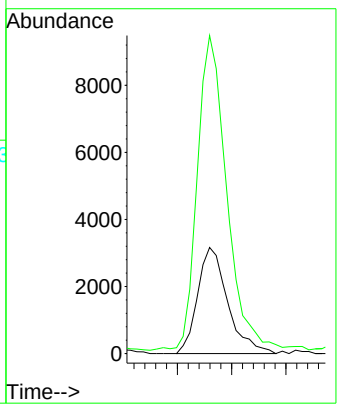


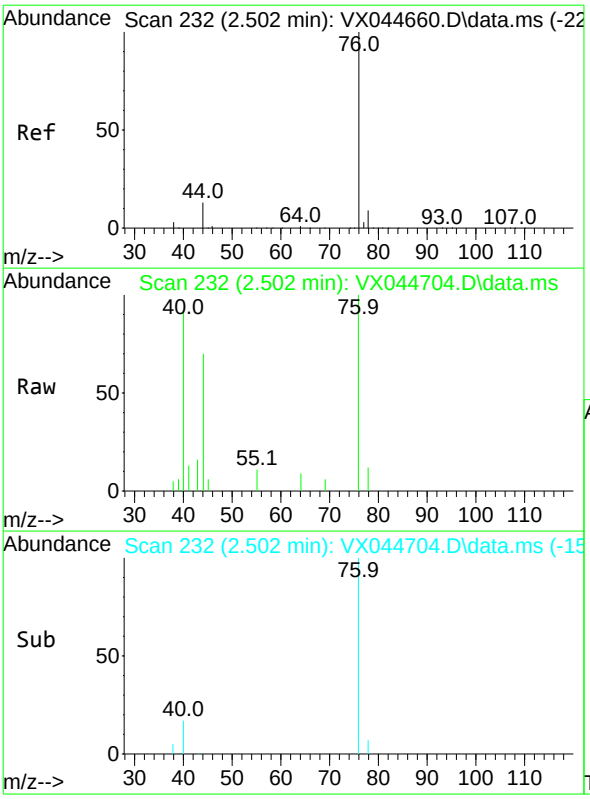


#15
Acetone
Concen: 20.423 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Tgt Ion: 58 Resp: 6106

Ion	Ratio	Lower	Upper
58	100		
43	294.2	251.0	376.4



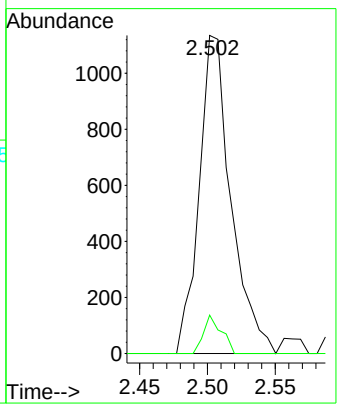


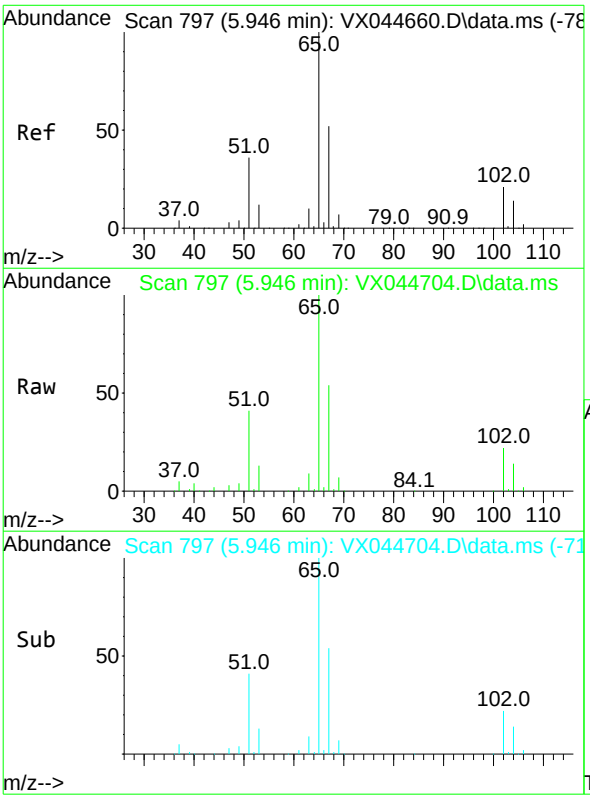
#16
Carbon Disulfide
Concen: 0.319 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion: 76 Resp: 1857

Ion	Ratio	Lower	Upper
76	100		
78	12.1	7.3	10.9#

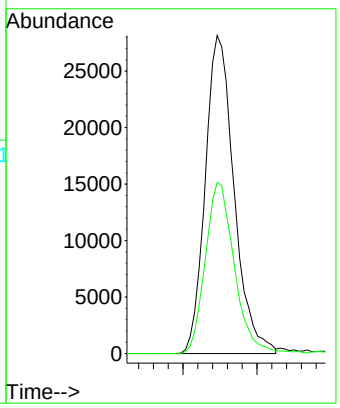


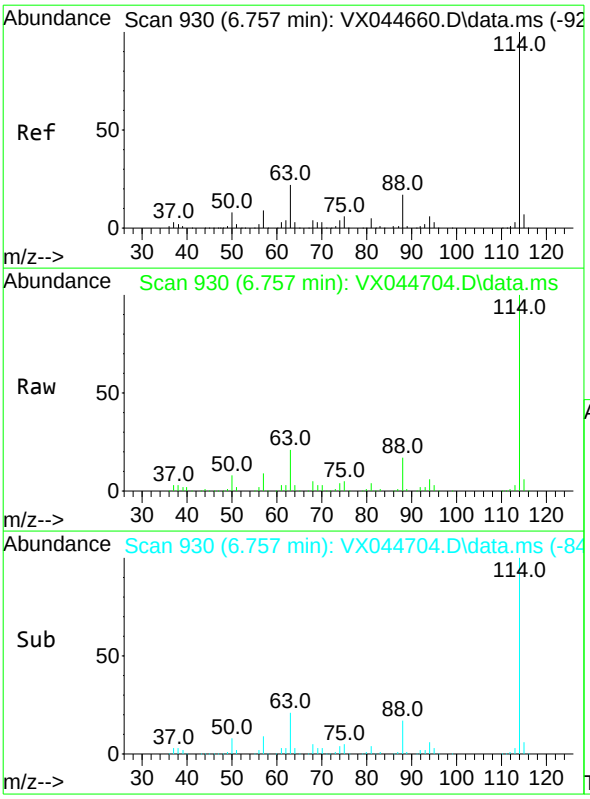


#27
1,2-Dichloroethane-d4
Concen: 27.783 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Tgt Ion: 65 Resp: 76052

Ion	Ratio	Lower	Upper
65	100		
67	54.1	41.4	62.2



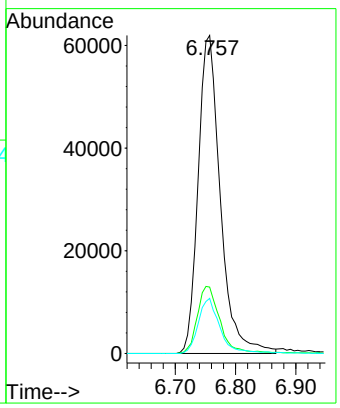


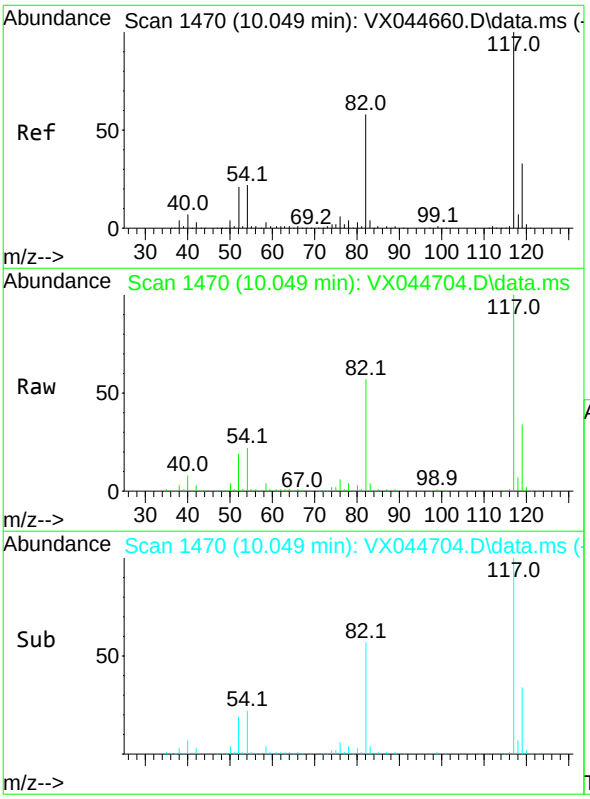
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion:114 Resp: 158559

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.6	24.8
88	16.6	13.4	20.2

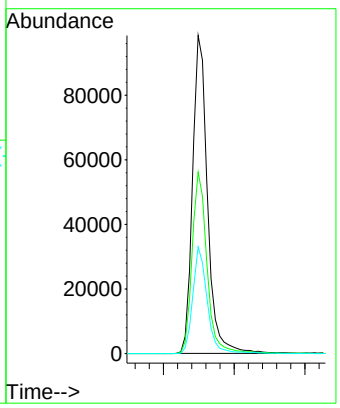


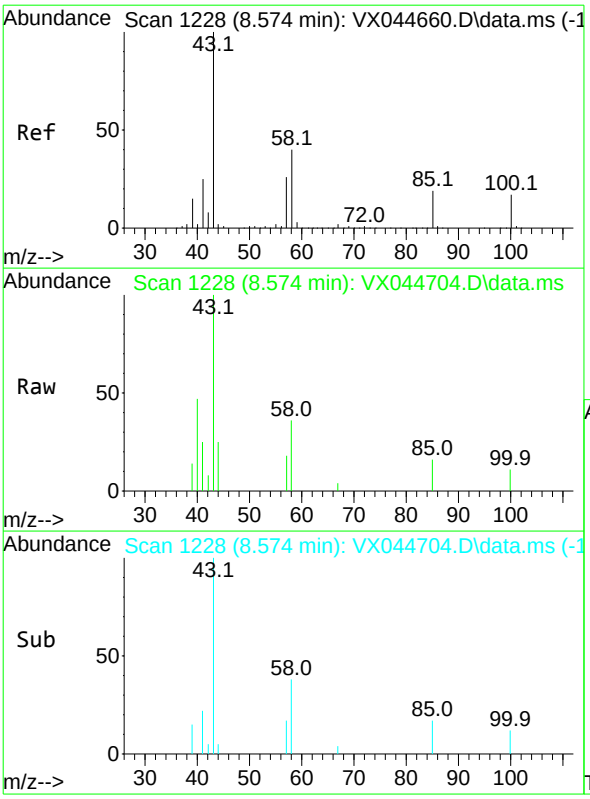


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Tgt Ion:117 Resp: 144308

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.8	68.6
119	31.9	25.8	38.6



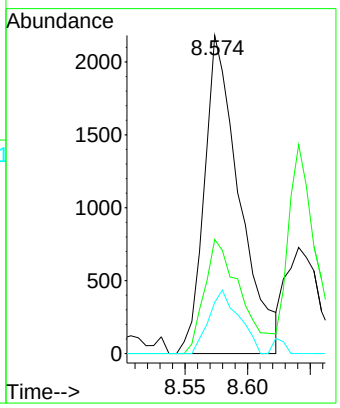


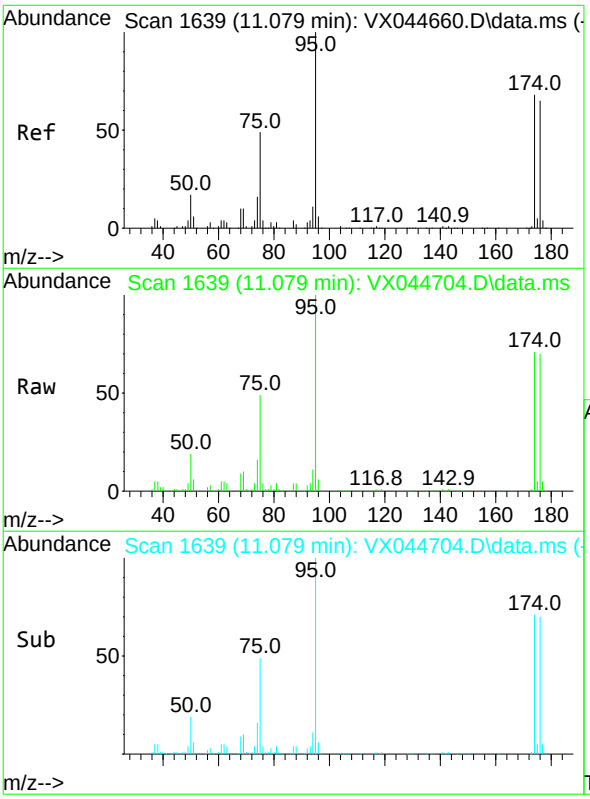
#58
4-Methyl-2-Pentanone
Concen: 1.396 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion: 43 Resp: 4245

Ion	Ratio	Lower	Upper
43	100		
58	37.7	31.7	47.5
85	17.1	15.0	22.6

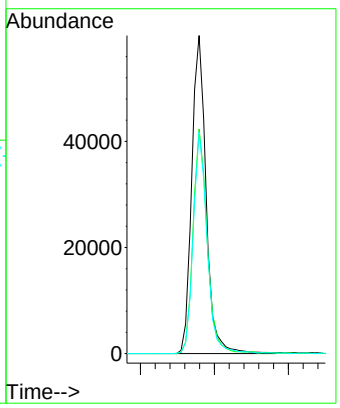


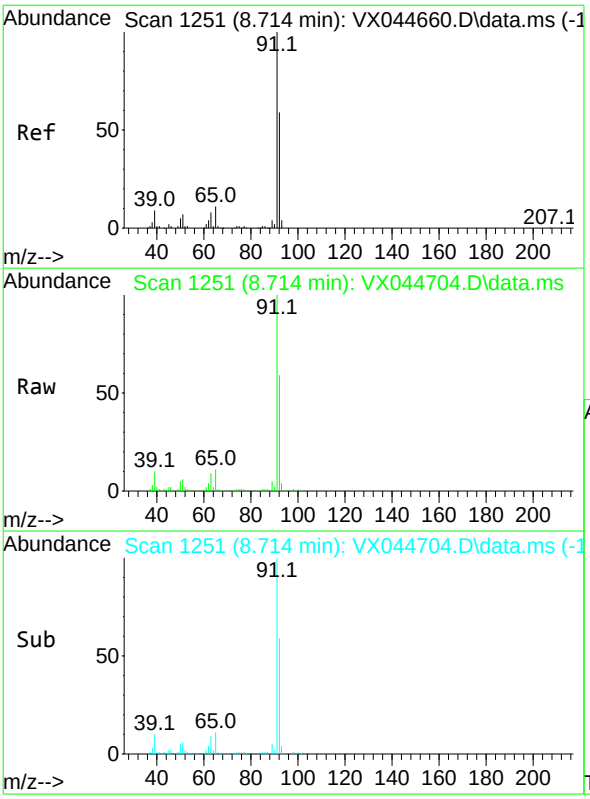


#60
4-Bromofluorobenzene
Concen: 28.896 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Tgt Ion: 95 Resp: 80994

Ion	Ratio	Lower	Upper
95	100		
174	69.1	54.6	81.8
176	67.0	52.8	79.2



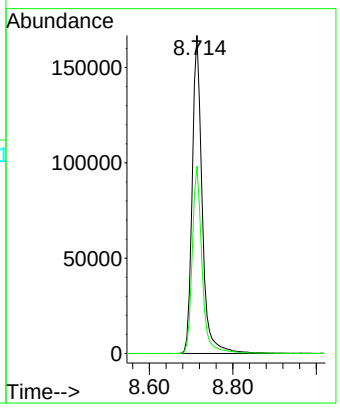


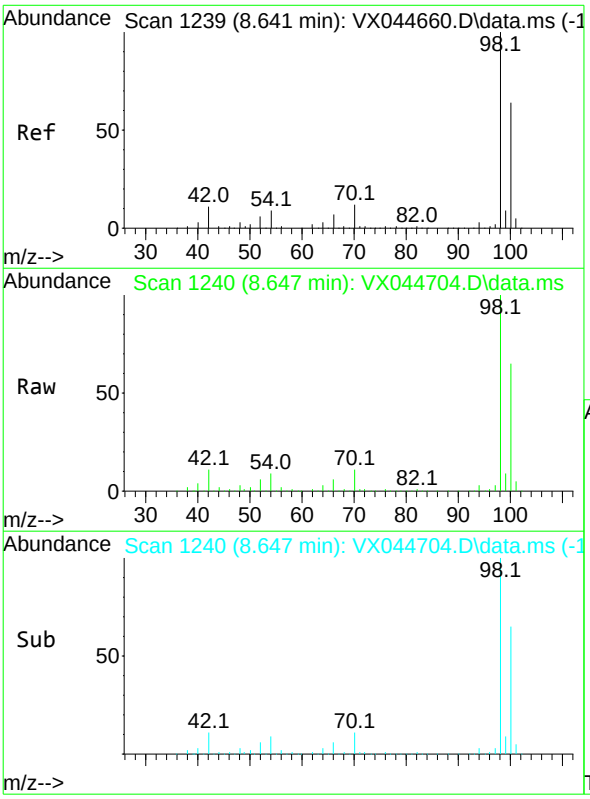
#62
Toluene
Concen: 29.003 ug/l
RT: 8.714 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion: 91 Resp: 275592

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.3	70.9

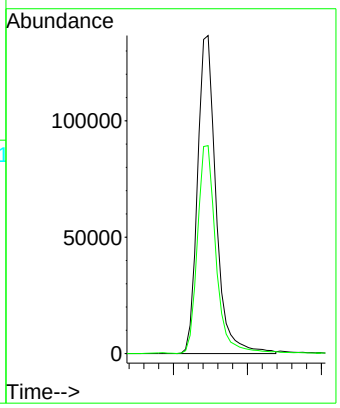


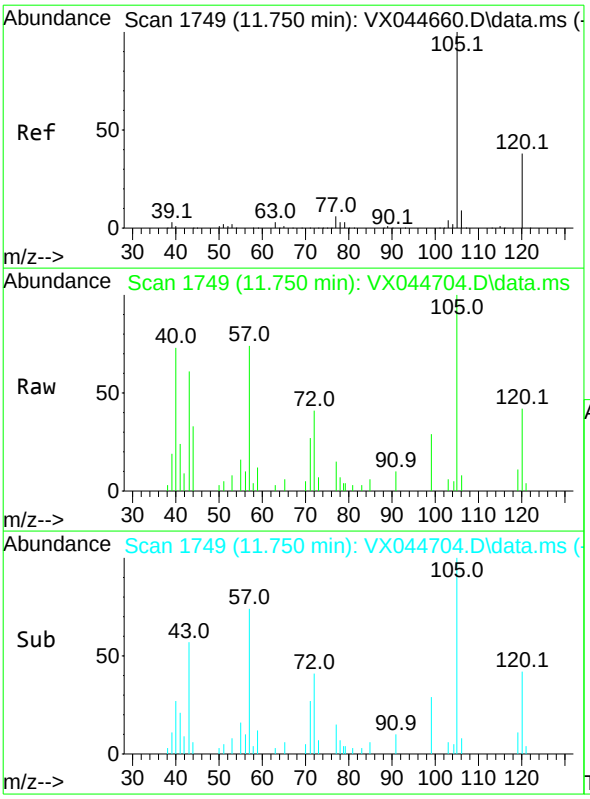


#63
Toluene-d8
Concen: 30.271 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Tgt Ion: 98 Resp: 237595

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.6	80.4



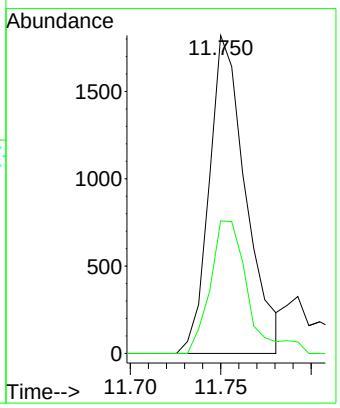


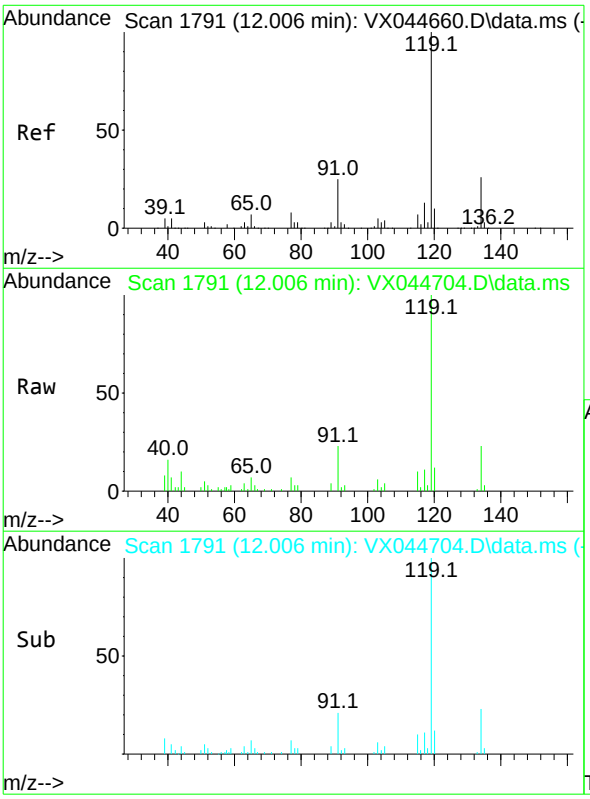
#80
1,2,4-Trimethylbenzene
Concen: 0.324 ug/l
RT: 11.750 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion:105 Resp: 2555

Ion	Ratio	Lower	Upper
105	100		
120	40.7	0.0	88.4

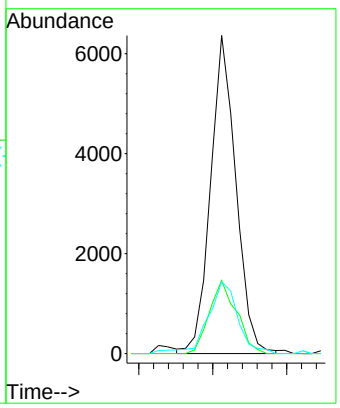


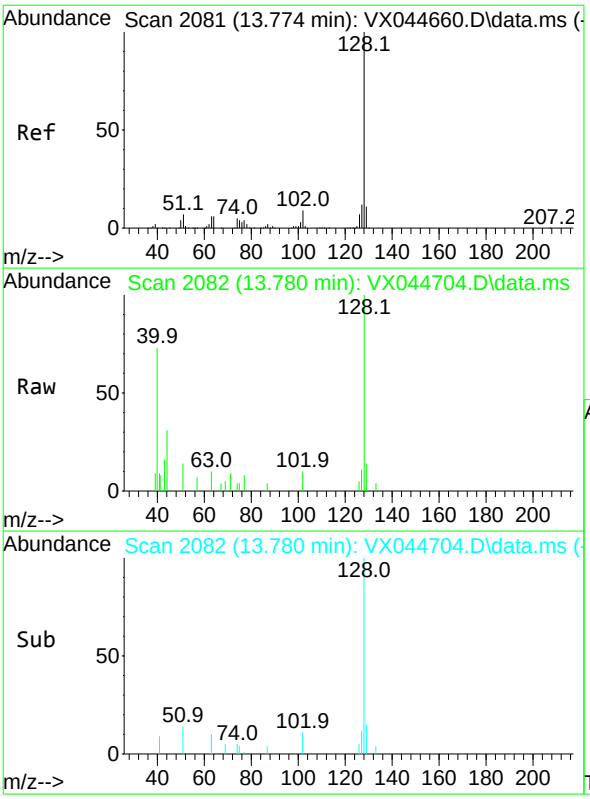


#82
p-Isopropyltoluene
Concen: 0.960 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Tgt Ion:119 Resp: 7569

Ion	Ratio	Lower	Upper
119	100		
134	24.6	0.0	52.2
91	25.3	0.0	50.2





#91
Naphthalene
Concen: 0.225 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044704.D
Acq: 23 Jan 2025 11:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH AVE (DEC)

Tgt Ion:128 Resp: 2077

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.6	9.0	13.6