Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044670.D
Acq On : 16 Jan 2025 13:55
Operator :
Sample : Q1083-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 17 01:31:29 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

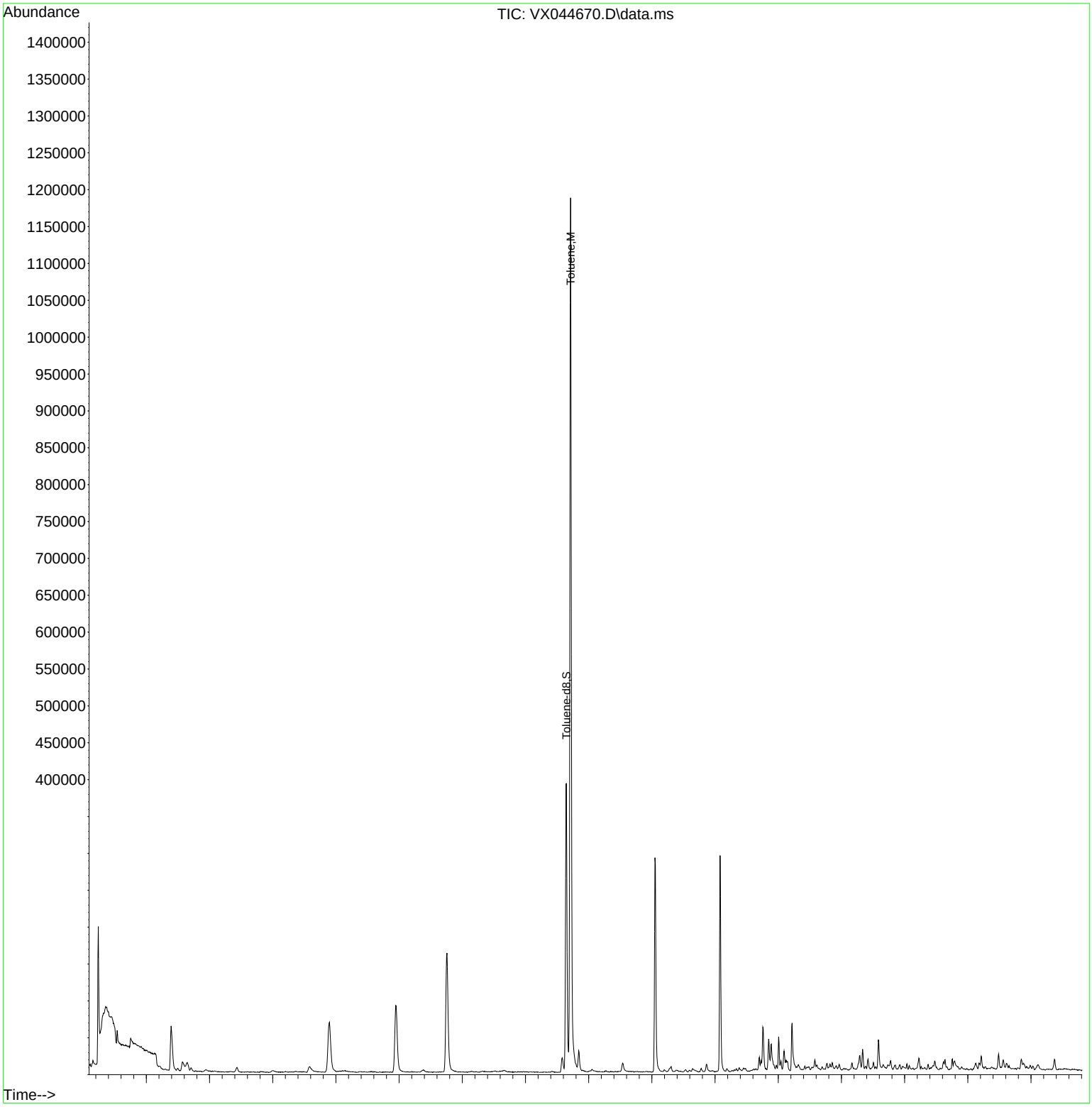
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	31297	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	176011	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149063	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	90648	30.002	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.000%			
60) 4-Bromofluorobenzene	11.079	95	85127	29.402	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.000%			
63) Toluene-d8	8.647	98	254016	31.331	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.433%			
Target Compounds						Qvalue
12) Methyl Acetate	2.709	43	5396	1.599	ug/l	95
15) Acetone	2.392	58	23021	69.762	ug/l	94
16) Carbon Disulfide	2.496	76	4143	0.645	ug/l #	93
30) 2-Butanone	4.581	43	18054	10.735	ug/l #	78
58) 4-Methyl-2-Pentanone	8.580	43	15540	4.946	ug/l	98
62) Toluene	8.714	91	816783	83.215	ug/l	99
67) m/p-Xylenes	10.305	106	1787	0.454	ug/l	98
68) o-Xylene	10.640	106	1016	0.257	ug/l	79
76) 1,3,5-Trimethylbenzene	11.451	105	1923	0.238	ug/l	92
80) 1,2,4-Trimethylbenzene	11.750	105	8397	1.032	ug/l	87
82) p-Isopropyltoluene	12.006	119	19096	2.344	ug/l	99
91) Naphthalene	13.780	128	6938	0.727	ug/l	98

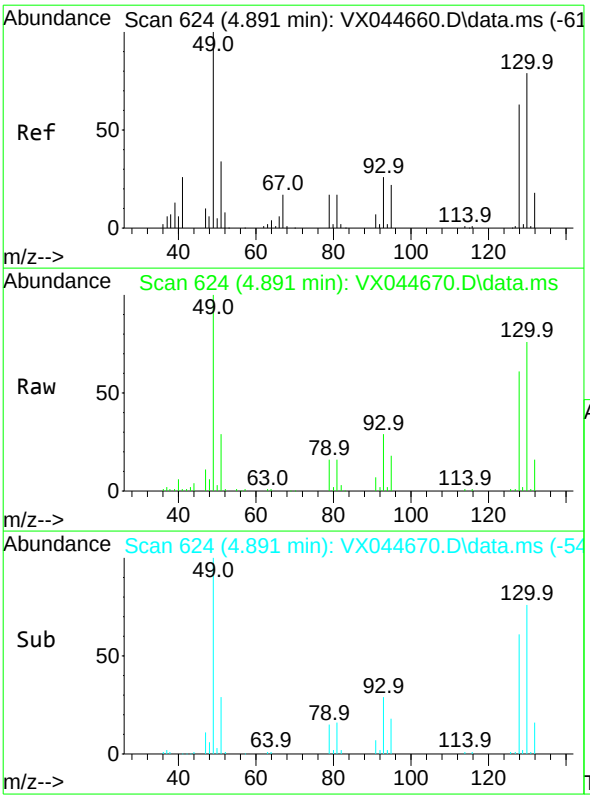
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044670.D
Acq On : 16 Jan 2025 13:55
Operator :
Sample : Q1083-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 17 01:31:29 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



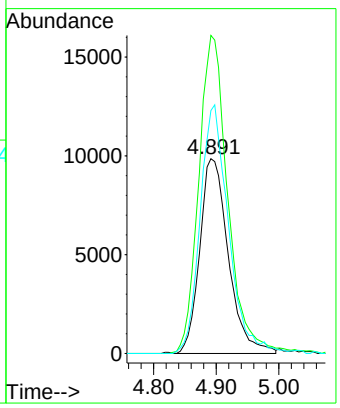


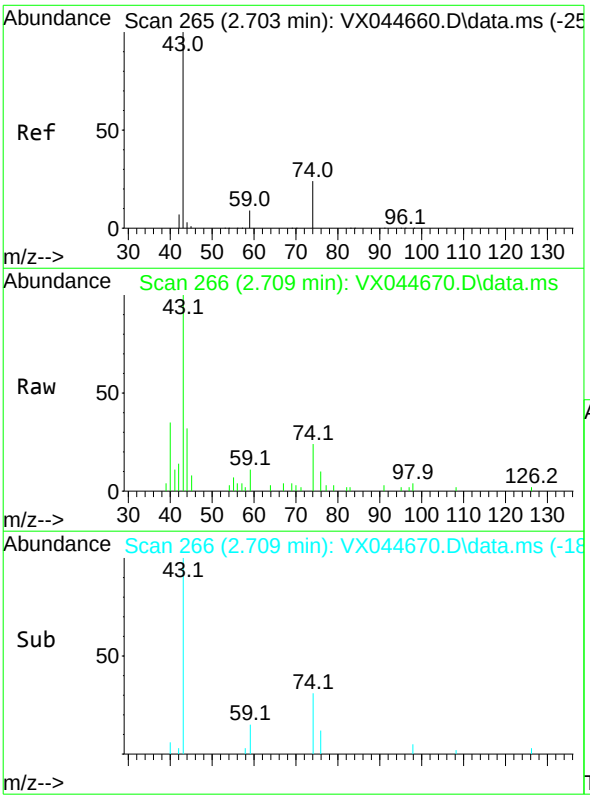
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion:128 Resp: 31297

Ion	Ratio	Lower	Upper
128	100		
49	165.6	0.0	411.5
130	124.4	0.0	324.3

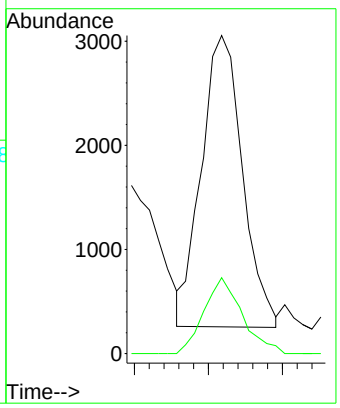


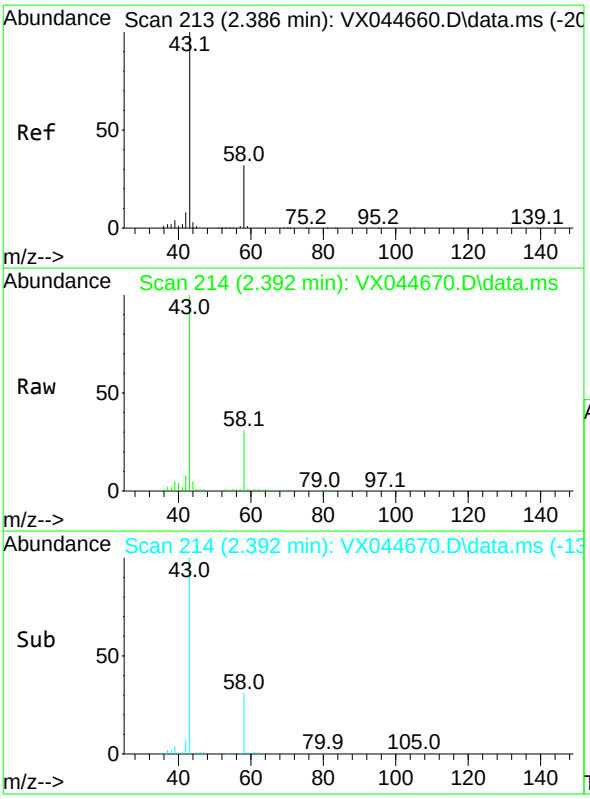


#12
Methyl Acetate
Concen: 1.599 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion: 43 Resp: 5396

Ion	Ratio	Lower	Upper
43	100		
74	26.8	19.4	29.2



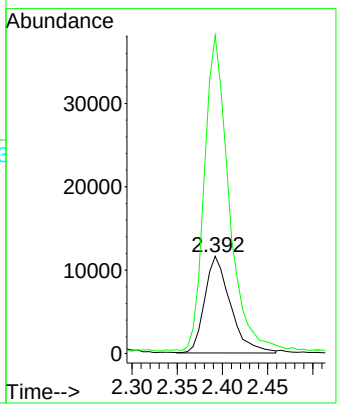


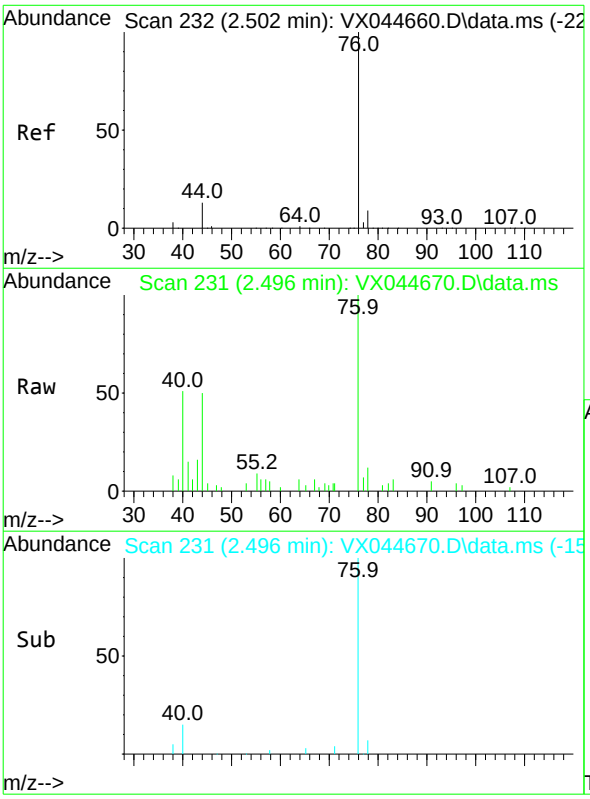
#15
Acetone
Concen: 69.762 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion: 58 Resp: 23021

Ion	Ratio	Lower	Upper
58	100		
43	326.4	251.0	376.4

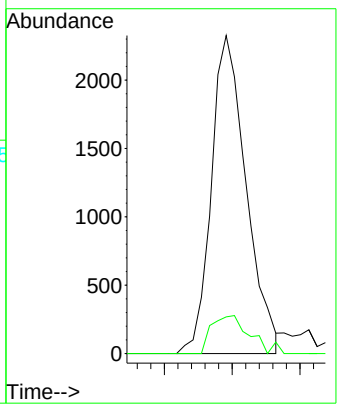


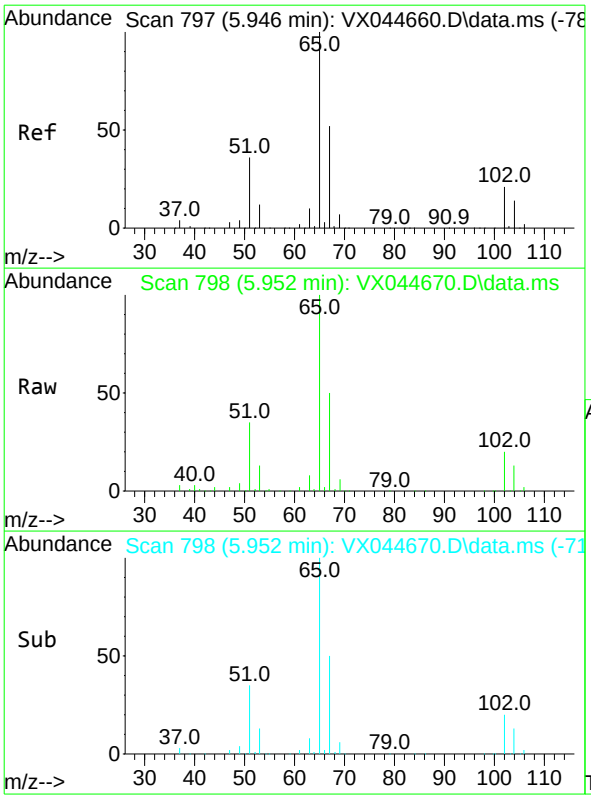


#16
Carbon Disulfide
Concen: 0.645 ug/l
RT: 2.496 min Scan# 231
Delta R.T. -0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion: 76 Resp: 4143

Ion	Ratio	Lower	Upper
76	100		
78	11.5	7.3	10.9#



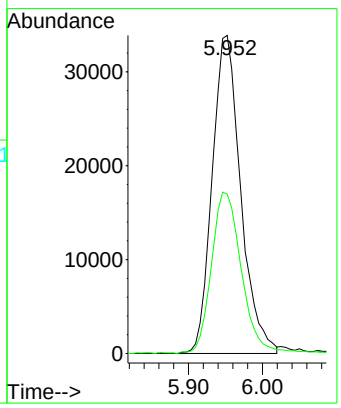


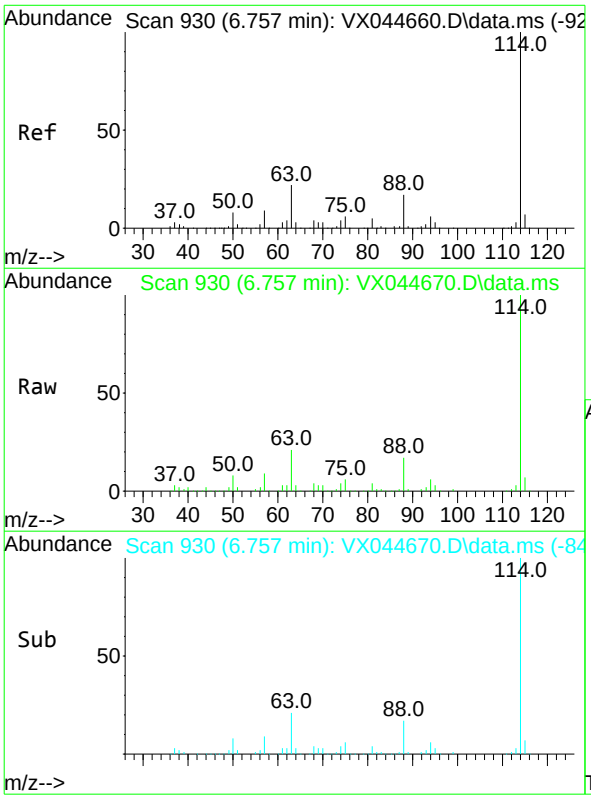
#27
1,2-Dichloroethane-d4
Concen: 30.002 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion: 65 Resp: 90648

Ion	Ratio	Lower	Upper
65	100		
67	53.0	41.4	62.2

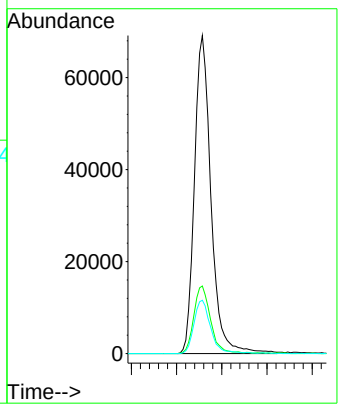


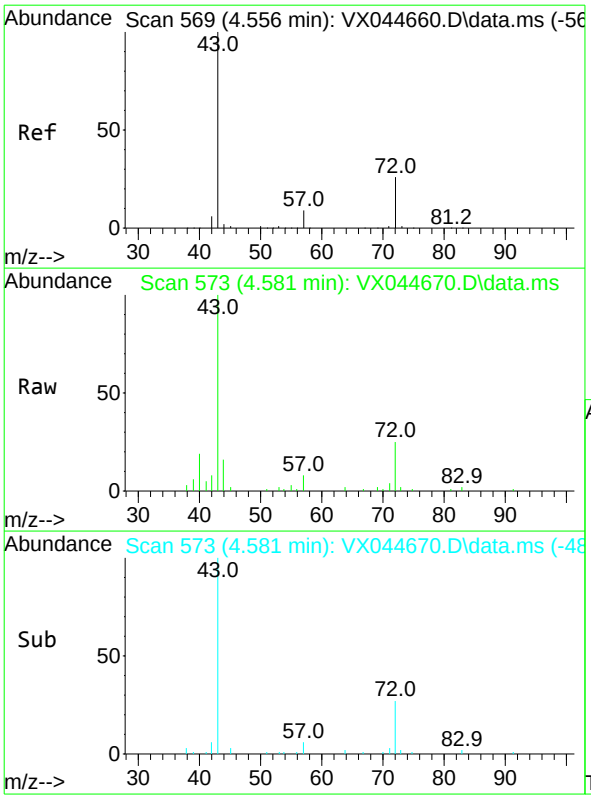


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion:114 Resp: 176011

Ion	Ratio	Lower	Upper
114	100		
63	21.2	16.6	24.8
88	16.7	13.4	20.2



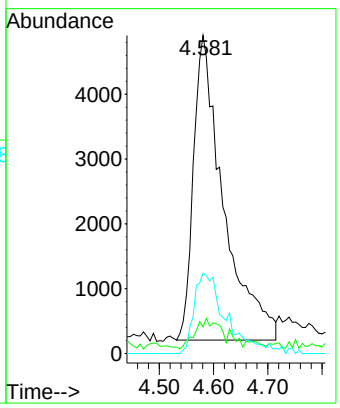


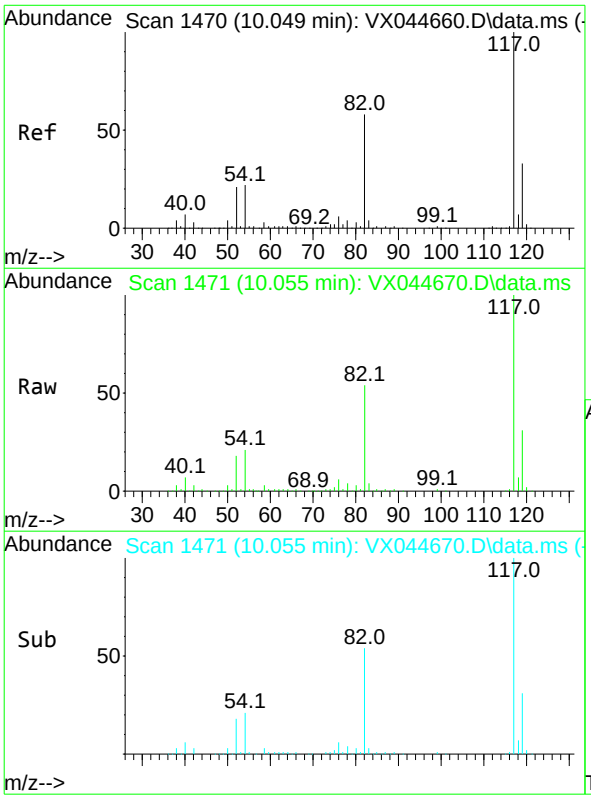
#30
2-Butanone
Concen: 10.735 ug/l
RT: 4.581 min Scan# 57
Delta R.T. 0.025 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion: 43 Resp: 18054

Ion	Ratio	Lower	Upper
43	100		
57	4.9	6.4	9.6#
72	13.8	21.5	32.3#

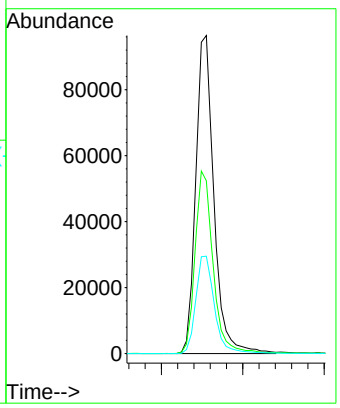


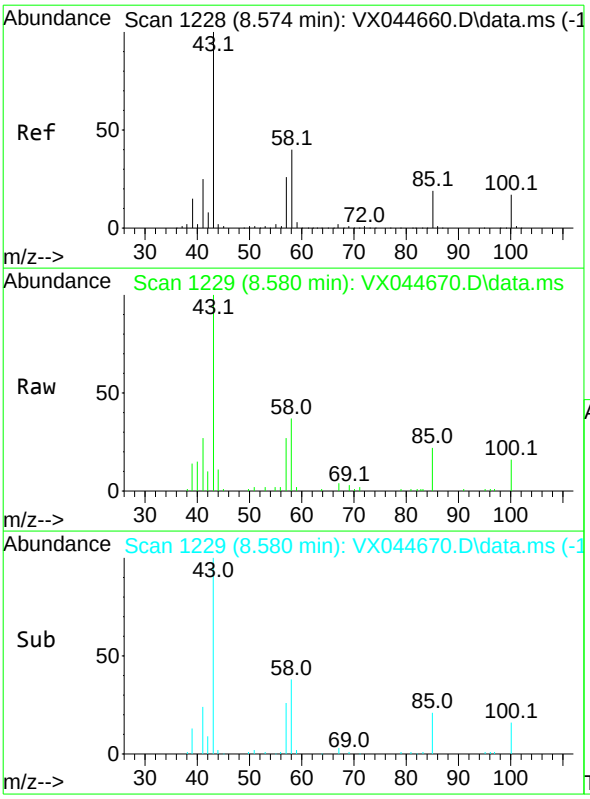


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion:117 Resp: 149063

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.6
119	31.5	25.8	38.6



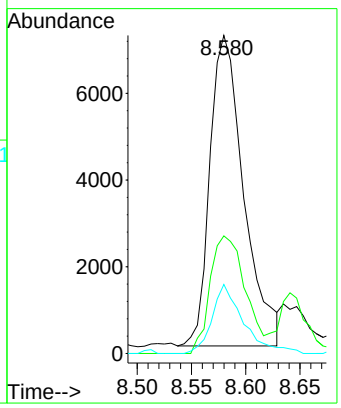


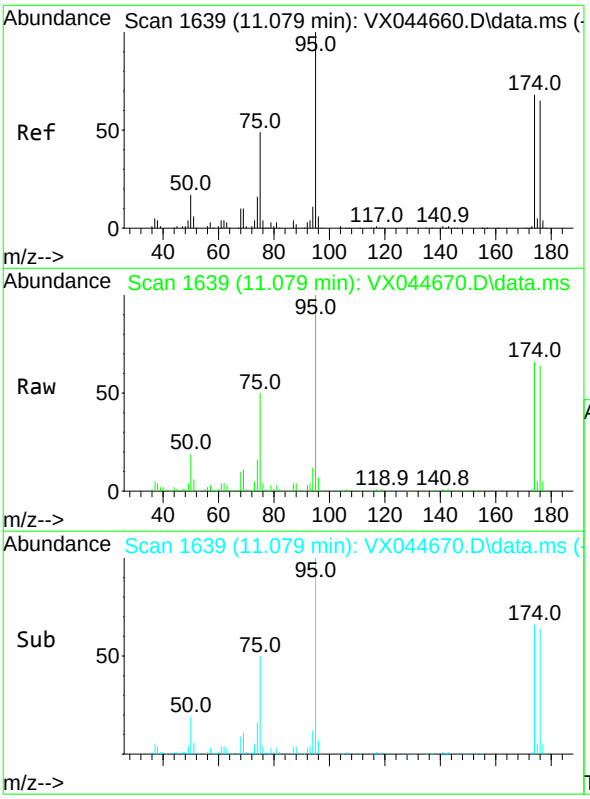
#58
4-Methyl-2-Pentanone
Concen: 4.946 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion: 43 Resp: 15540

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.7	47.5
85	20.7	15.0	22.6

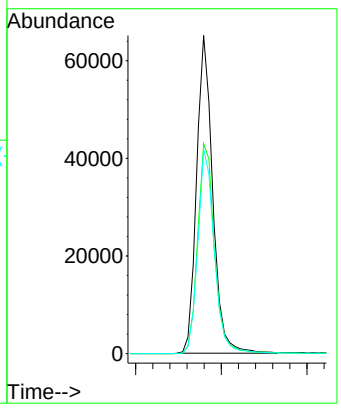


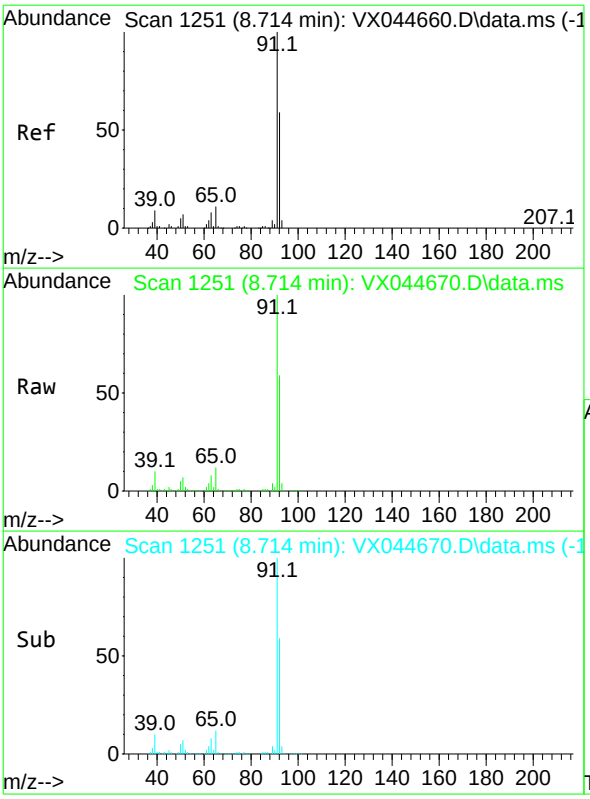


#60
4-Bromofluorobenzene
Concen: 29.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion: 95 Resp: 85127

Ion	Ratio	Lower	Upper
95	100		
174	68.9	54.6	81.8
176	65.7	52.8	79.2



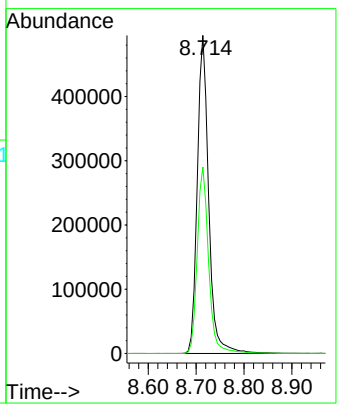


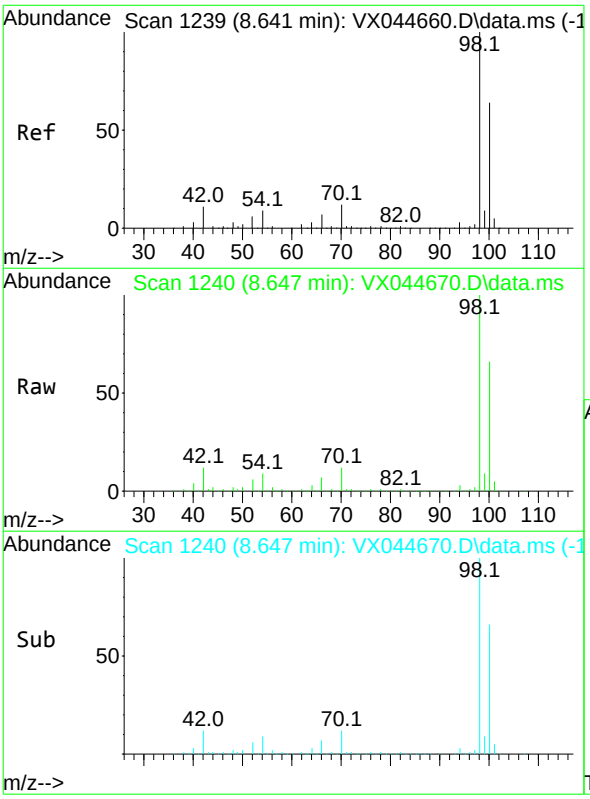
#62
Toluene
Concen: 83.215 ug/l
RT: 8.714 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion: 91 Resp: 816783

Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.3	70.9

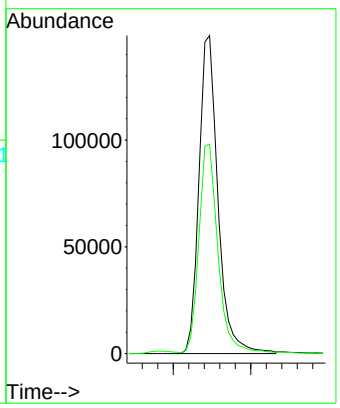


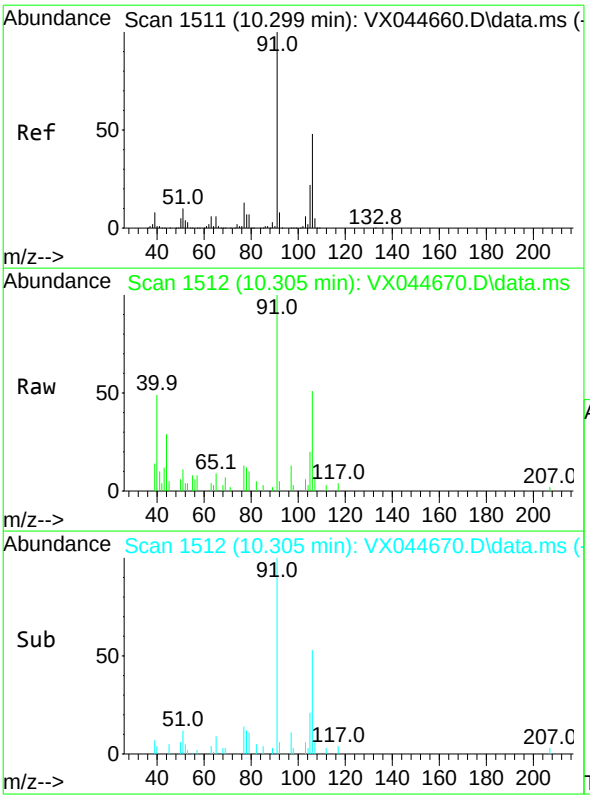


#63
Toluene-d8
Concen: 31.331 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion: 98 Resp: 254016

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.6	80.4



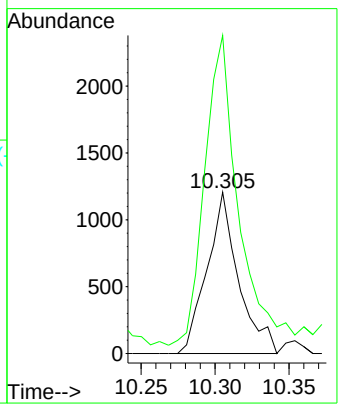


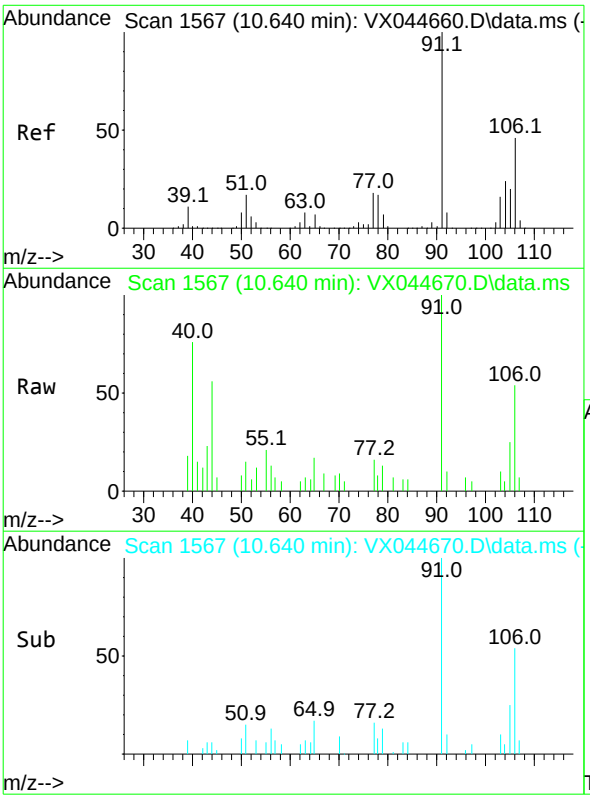
#67
m/p-Xylenes
Concen: 0.454 ug/l
RT: 10.305 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion:106 Resp: 1787

Ion	Ratio	Lower	Upper
106	100		
91	204.8	166.8	250.2

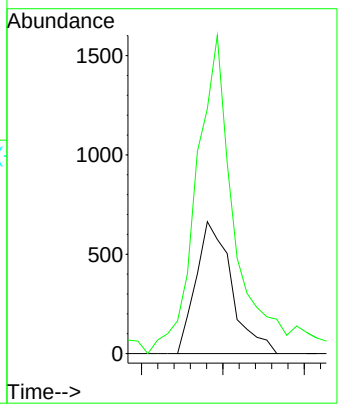


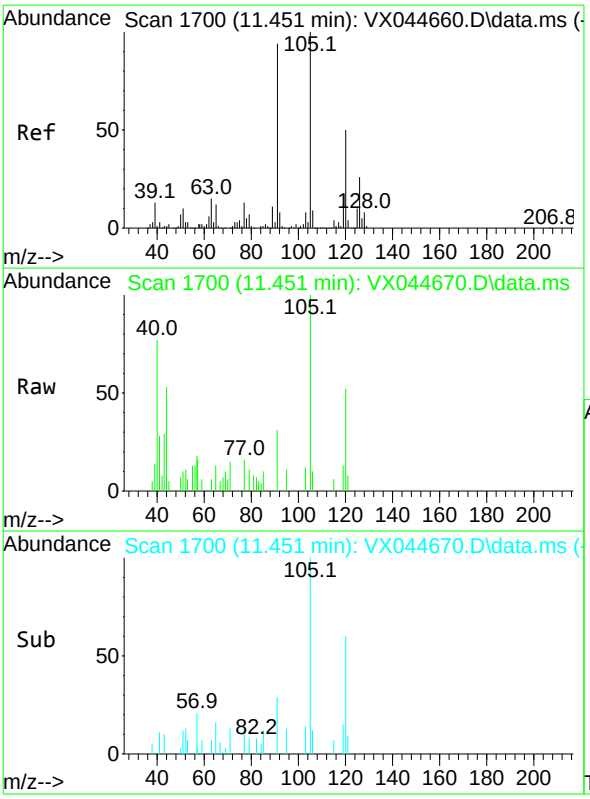


#68
o-Xylene
Concen: 0.257 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion:106 Resp: 1016

Ion	Ratio	Lower	Upper
106	100		
91	252.6	109.7	329.1



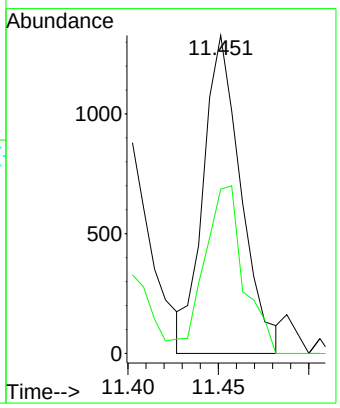


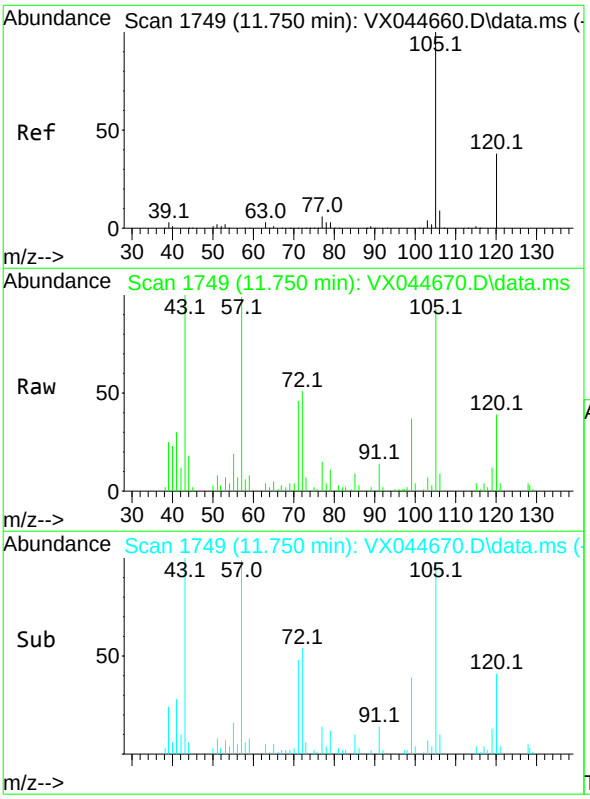
#76
1,3,5-Trimethylbenzene
Concen: 0.238 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion:105 Resp: 1923

Ion	Ratio	Lower	Upper
105	100		
120	54.1	0.0	96.8

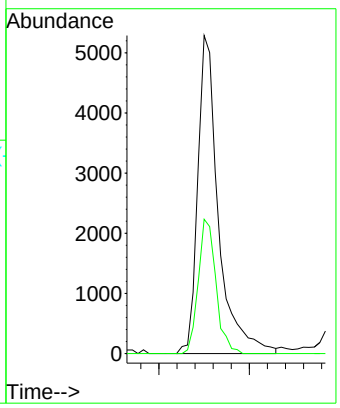


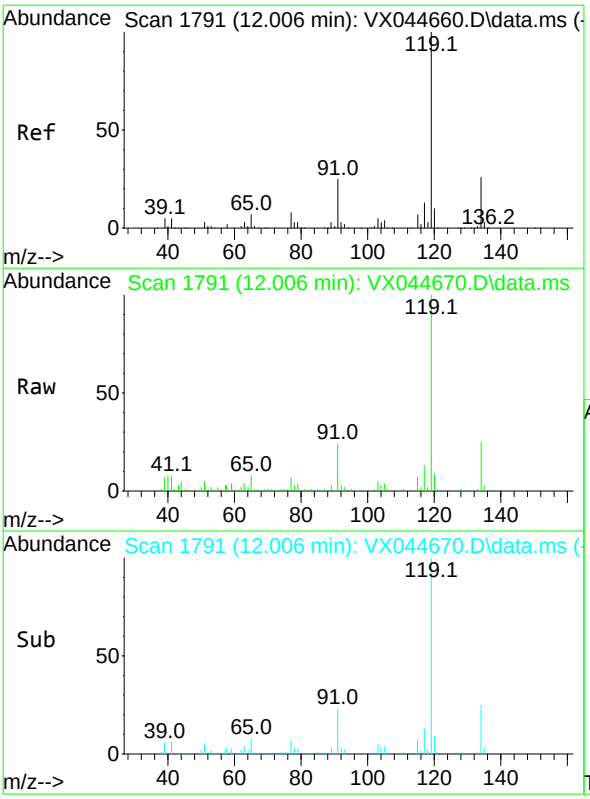


#80
1,2,4-Trimethylbenzene
Concen: 1.032 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion:105 Resp: 8397

Ion	Ratio	Lower	Upper
105	100		
120	36.1	0.0	88.4



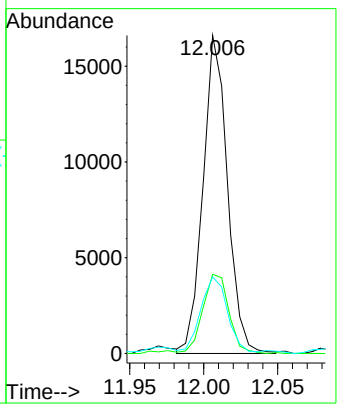


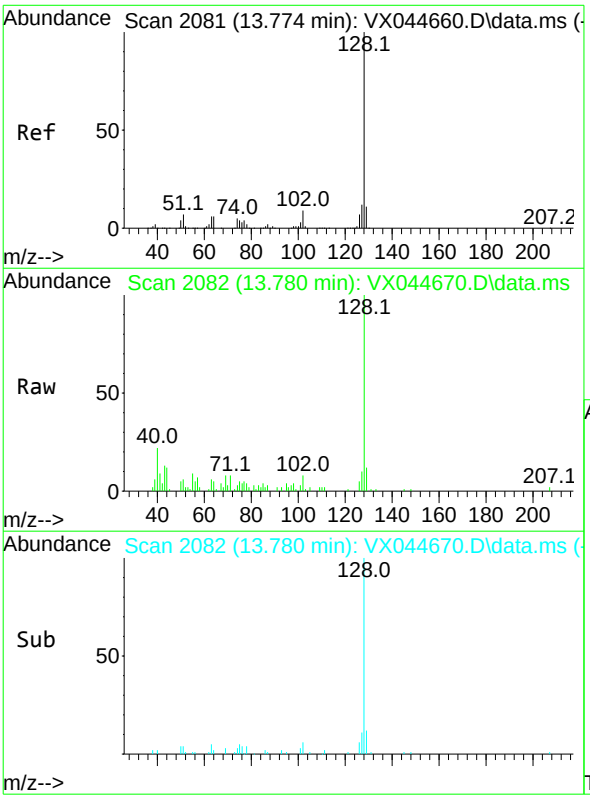
#82
p-Isopropyltoluene
Concen: 2.344 ug/l
RT: 12.006 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

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

Tgt Ion:119 Resp: 19096

Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	52.2
91	25.5	0.0	50.2





#91
Naphthalene
Concen: 0.727 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044670.D
Acq: 16 Jan 2025 13:55

Tgt Ion:128 Resp: 6938

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	12.3	9.0	13.6