Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
Data File : VX031817.D
Acq On : 30 Sep 2022 17:30
Operator : JC/MD
Sample : N4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Quant Time: Oct 03 01:14:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 03 00:56:55 2022
Response via : Initial Calibration

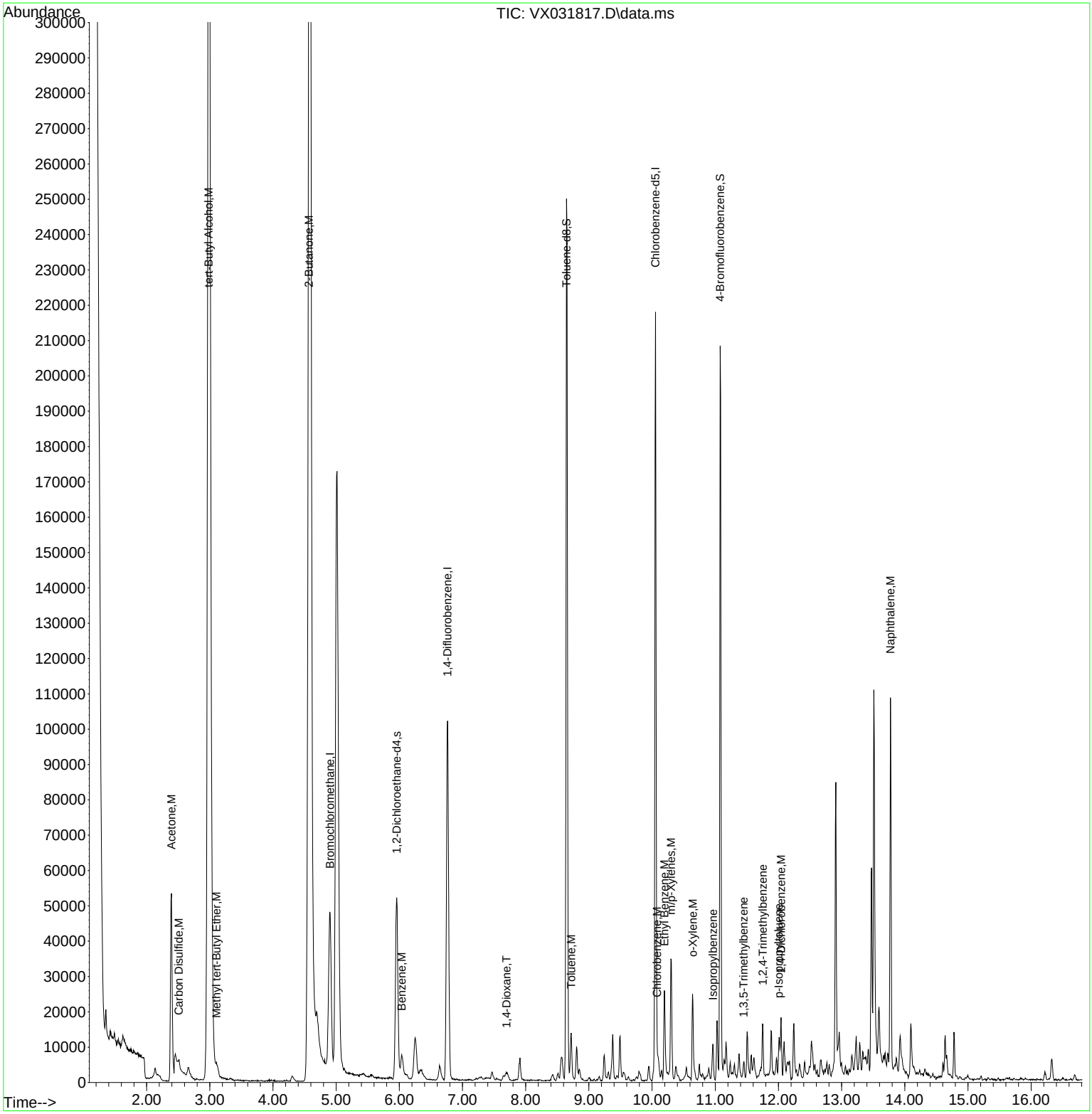
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.904	128	21560	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	6.763	114	113922	30.000	ug/l		0.00
57) Chlorobenzene-d5	10.055	117	100565	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.958	65	49358	30.417	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.400%				
60) 4-Bromofluorobenzene	11.079	95	55081	29.594	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.633%				
63) Toluene-d8	8.647	98	155319	30.402	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%				
Target Compounds							Qvalue
15) Acetone	2.392	58	19285	124.020	ug/l		93
16) Carbon Disulfide	2.508	76	2789	1.074	ug/l		99
23) tert-Butyl Alcohol	2.983	59	719260	3361.473	ug/l	#	100
24) Methyl tert-Butyl Ether	3.105	73	3248	0.798	ug/l	#	71
30) 2-Butanone	4.568	43	70908	98.645	ug/l	#	92
34) Benzene	6.037	78	8048	1.540	ug/l		95
45) 1,4-Dioxane	7.696	88	2465	75.039	ug/l		91
62) Toluene	8.720	91	7291	1.266	ug/l		100
64) Chlorobenzene	10.079	112	1430	0.364	ug/l	#	53
66) Ethyl Benzene	10.195	91	14723	2.269	ug/l		100
67) m/p-Xylenes	10.299	106	8740	3.234	ug/l		96
68) o-Xylene	10.646	106	5432	2.048	ug/l		97
70) Isopropylbenzene	10.963	105	5131	0.744	ug/l		98
76) 1,3,5-Trimethylbenzene	11.451	105	1945	0.335	ug/l		85
80) 1,2,4-Trimethylbenzene	11.756	105	6581	1.142	ug/l		100
82) p-Isopropyltoluene	12.006	119	1829	0.291	ug/l		90
84) 1,4-Dichlorobenzene	12.042	146	5494	1.531	ug/l		96
91) Naphthalene	13.774	128	60582	8.383	ug/l		99

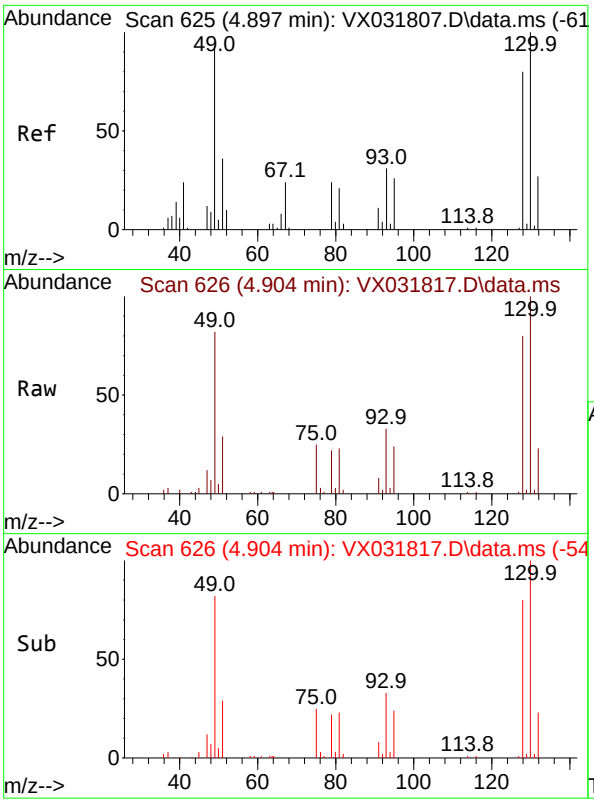
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
Data File : VX031817.D
Acq On : 30 Sep 2022 17:30
Operator : JC/MD
Sample : N4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Quant Time: Oct 03 01:14:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 03 00:56:55 2022
Response via : Initial Calibration



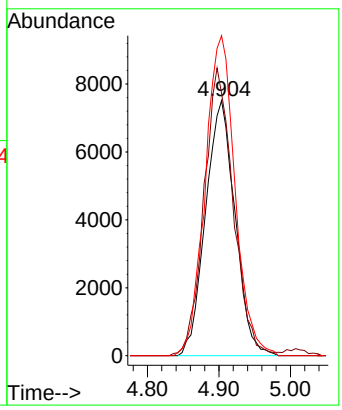


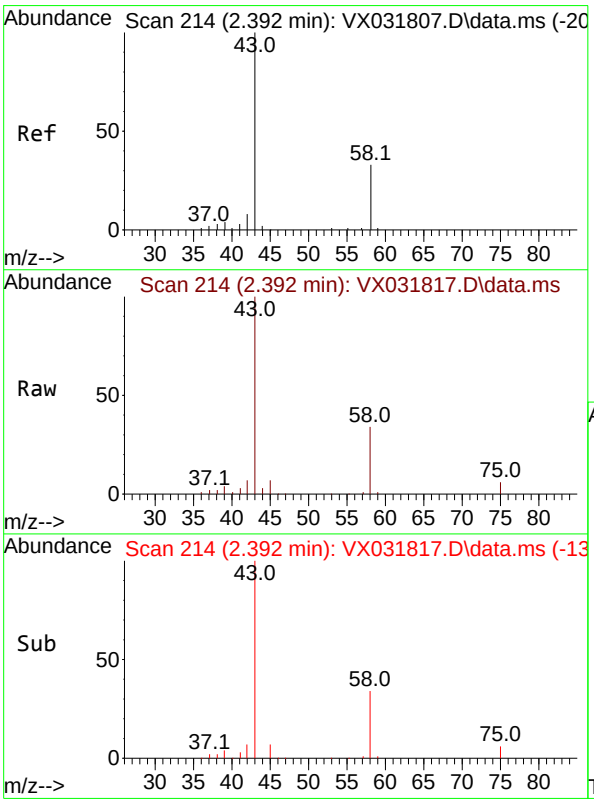
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.007 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:128 Resp: 21560

Ion	Ratio	Lower	Upper
128	100		
49	111.6	0.0	293.0
130	126.9	0.0	321.5

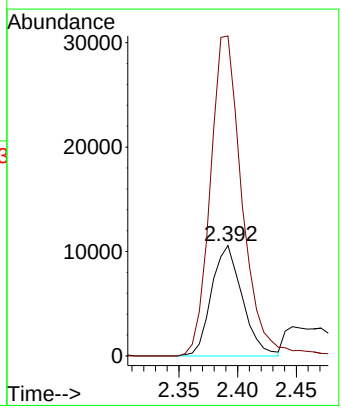


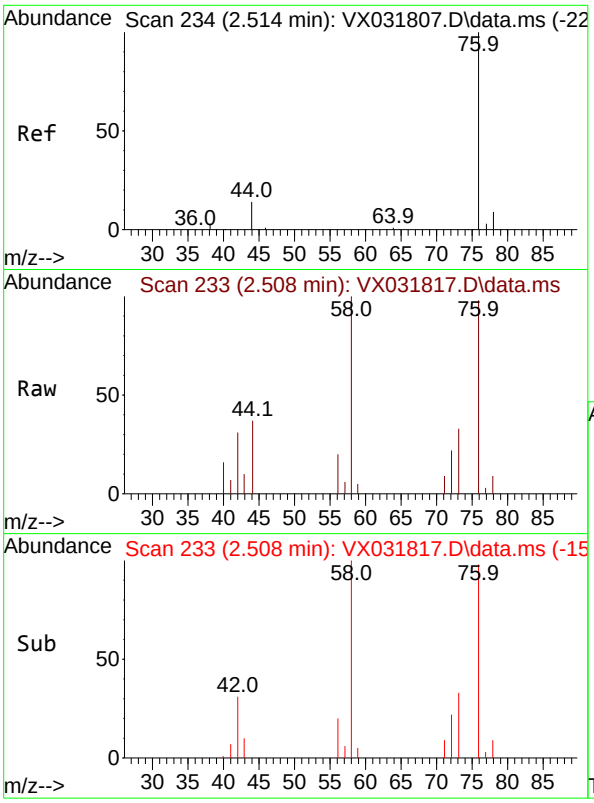


#15
Acetone
Concen: 124.020 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 58 Resp: 19285

Ion	Ratio	Lower	Upper
58	100		
43	289.9	242.6	364.0



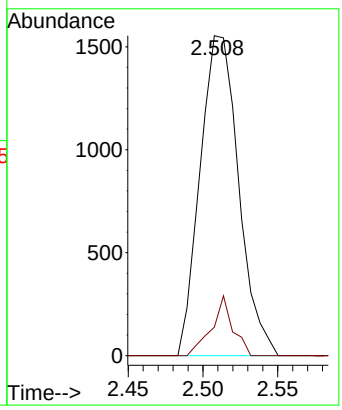


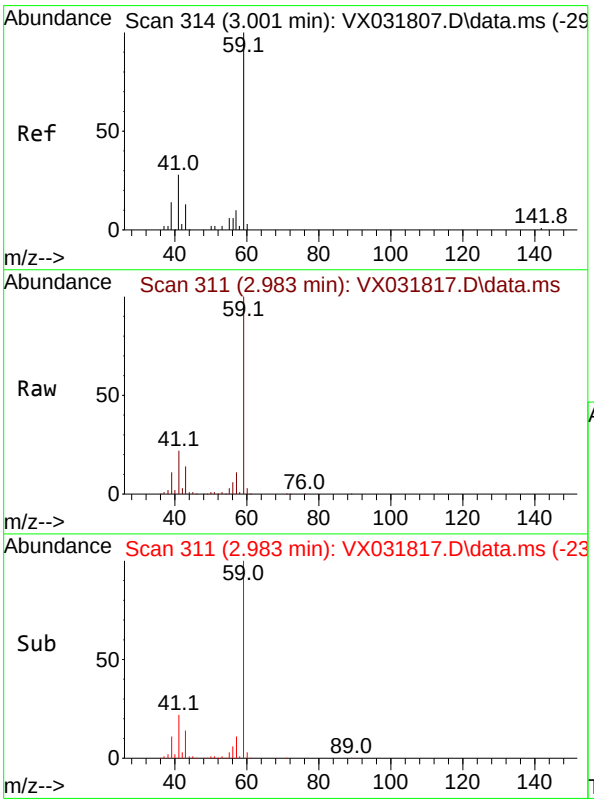
#16
Carbon Disulfide
Concen: 1.074 ug/l
RT: 2.508 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion: 76 Resp: 2789

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

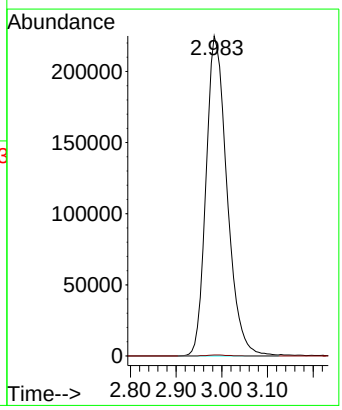


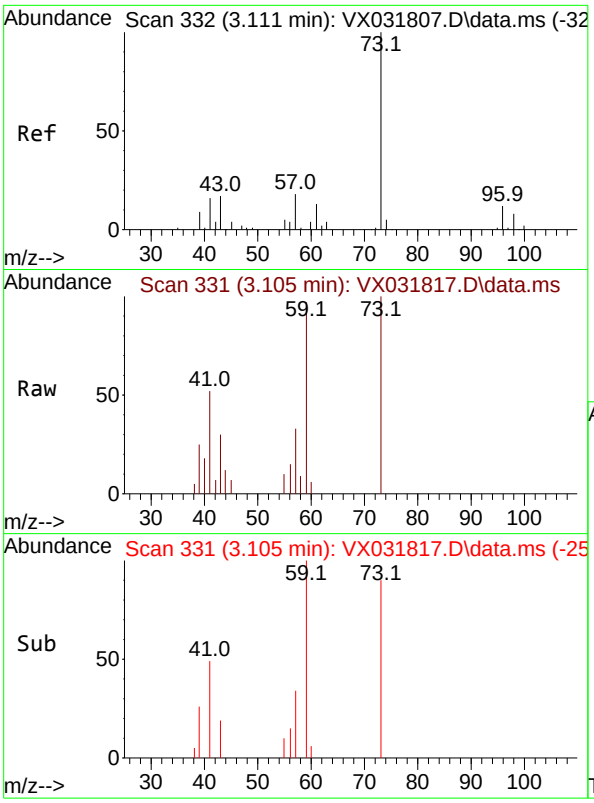


#23
tert-Butyl Alcohol
Concen: 3361.473 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.018 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 59 Resp: 719260

Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#



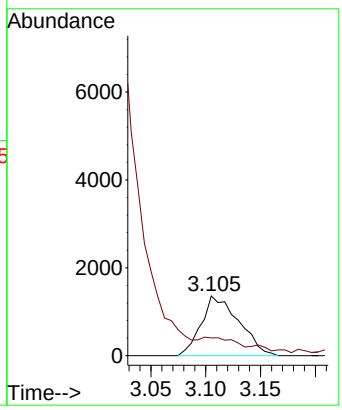


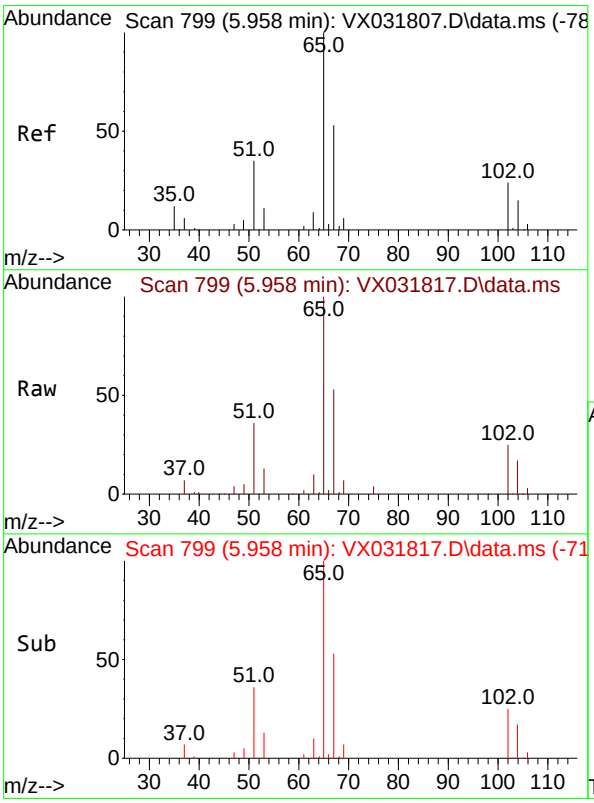
#24
Methyl tert-Butyl Ether
Concen: 0.798 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion: 73 Resp: 3248

Ion	Ratio	Lower	Upper
73	100		
43	31.5	14.8	22.2#

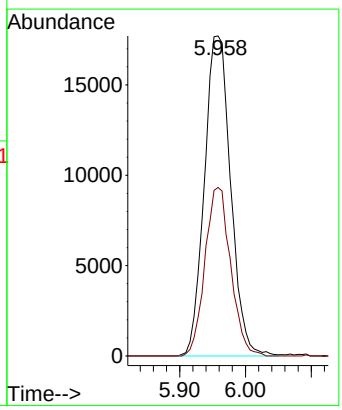


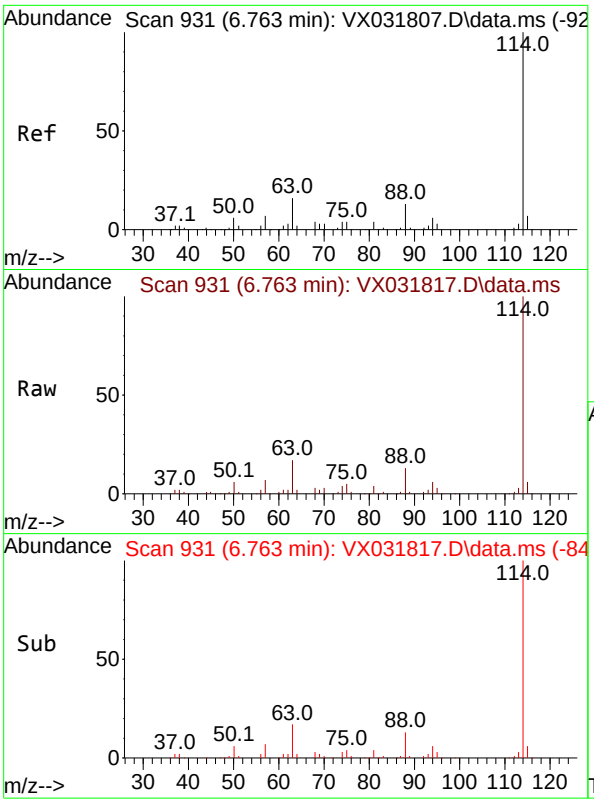


#27
1,2-Dichloroethane-d4
Concen: 30.417 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 65 Resp: 49358

Ion	Ratio	Lower	Upper
65	100		
67	51.3	41.8	62.6



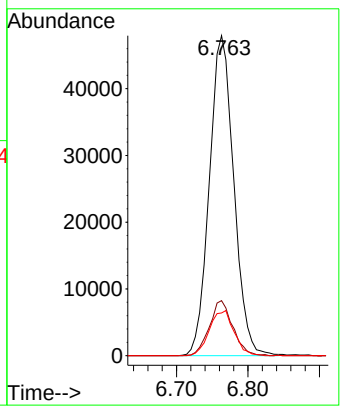


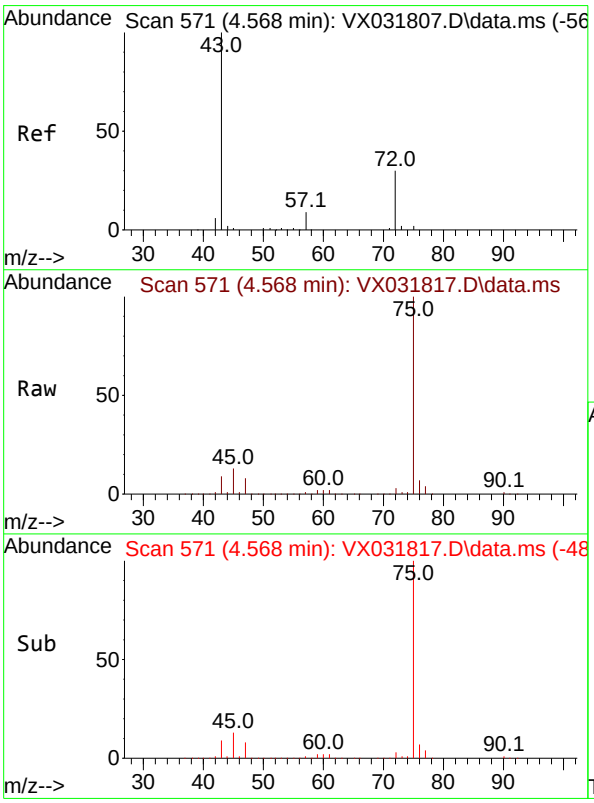
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:114 Resp: 113922

Ion	Ratio	Lower	Upper
114	100		
63	16.4	13.6	20.4
88	14.2	11.8	17.6

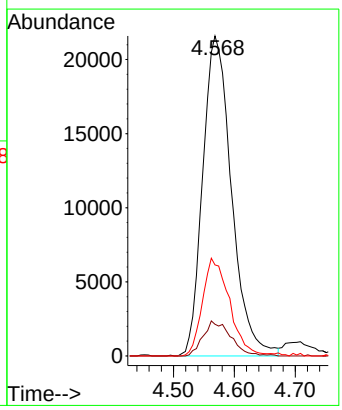


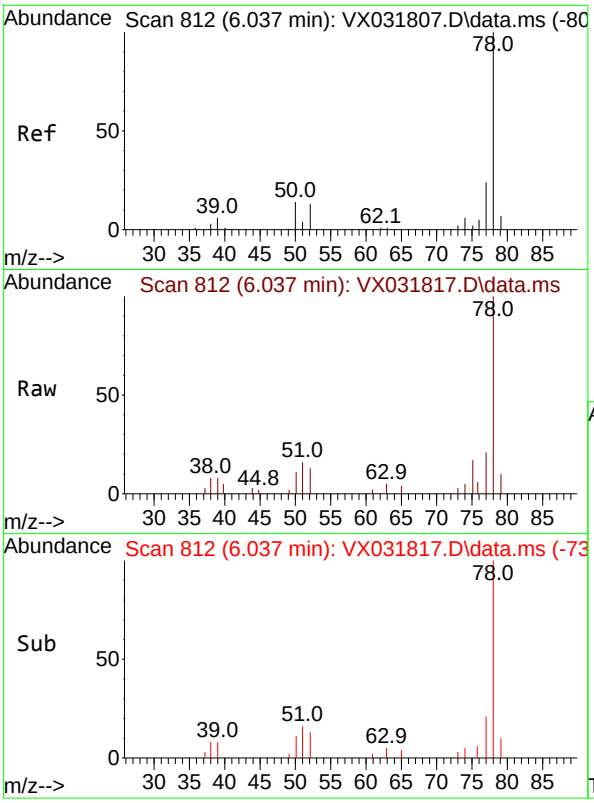


#30
2-Butanone
Concen: 98.645 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 43 Resp: 70908

Ion	Ratio	Lower	Upper
43	100		
57	6.0	7.5	11.3#
72	28.6	26.6	39.8



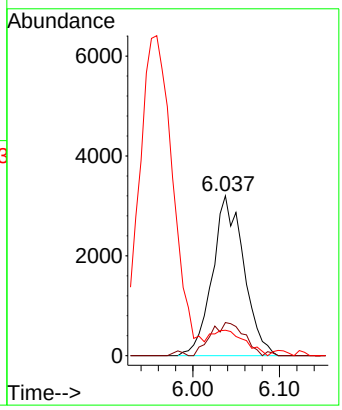


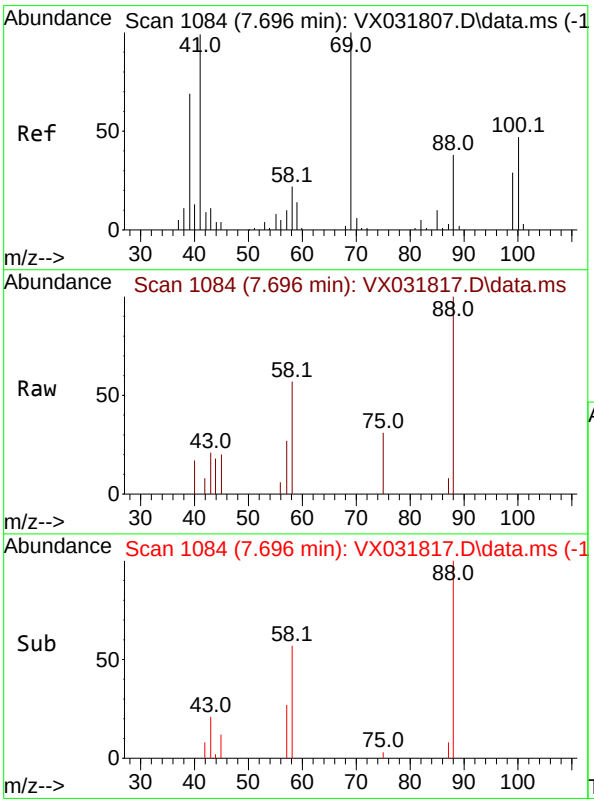
#34
Benzene
Concen: 1.540 ug/l
RT: 6.037 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion: 78 Resp: 8048

Ion	Ratio	Lower	Upper
78	100		
77	20.8	19.0	28.6
51	12.6	10.6	15.8

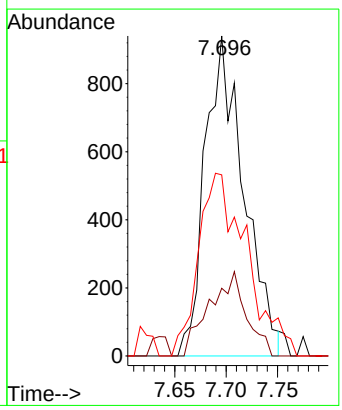


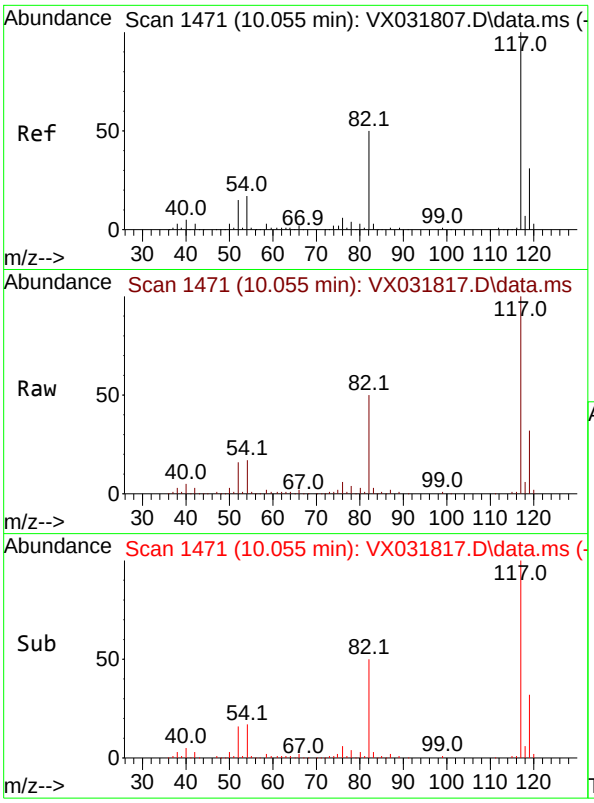


#45
1,4-Dioxane
Concen: 75.039 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 88 Resp: 2465

Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.4	30.6
58	64.2	44.0	66.0



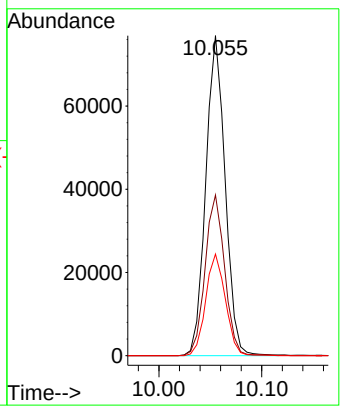


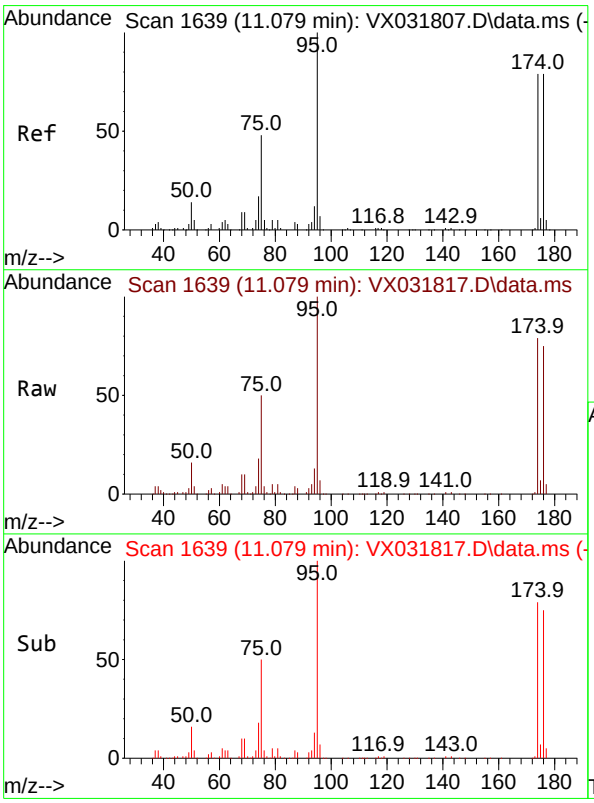
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:117 Resp: 100565

Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.0	60.0
119	32.3	26.0	39.0

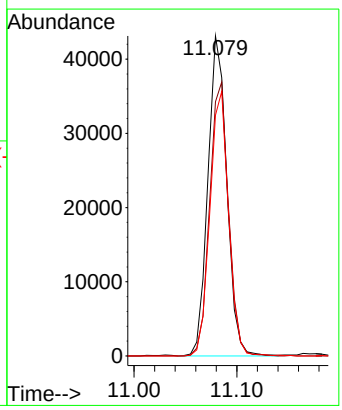


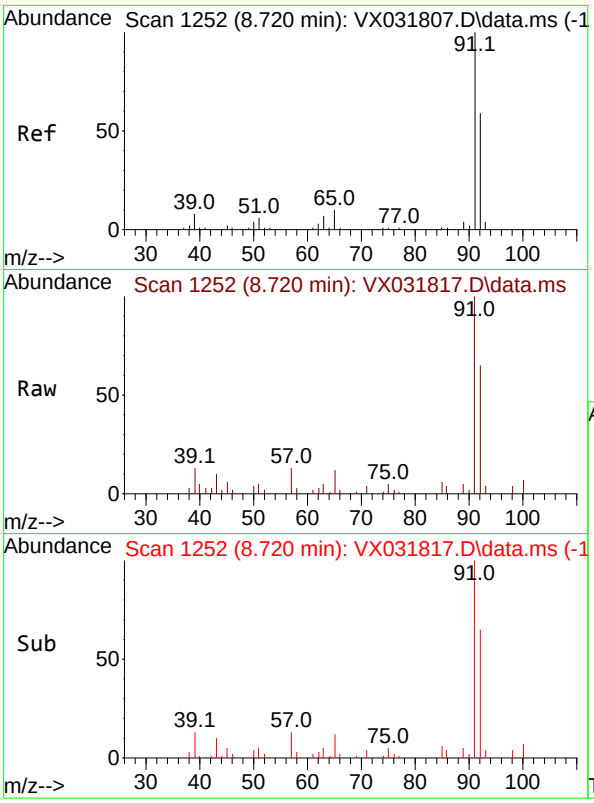


#60
4-Bromofluorobenzene
Concen: 29.594 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 95 Resp: 55081

Ion	Ratio	Lower	Upper
95	100		
174	85.6	68.2	102.2
176	81.7	68.1	102.1



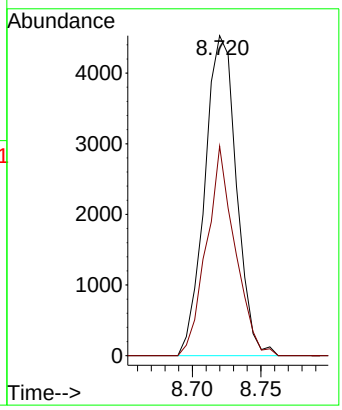


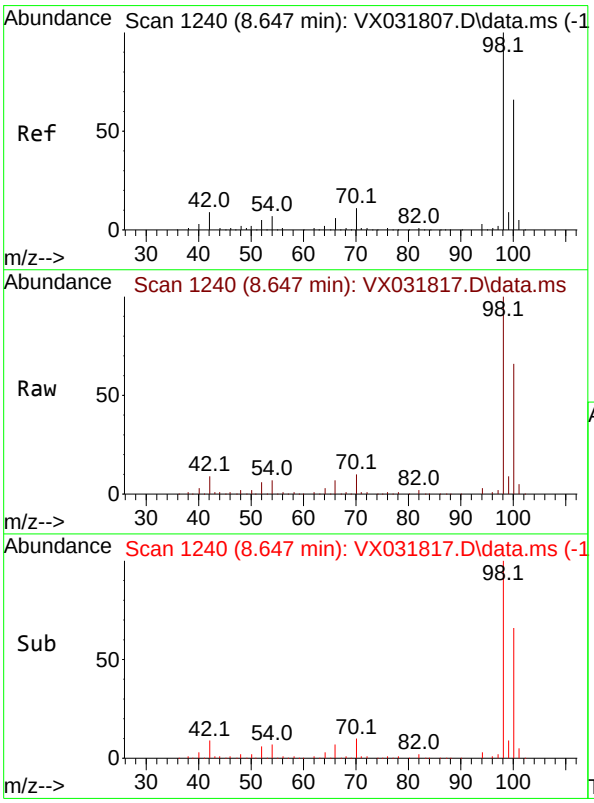
#62
Toluene
Concen: 1.266 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion: 91 Resp: 7291

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.3	70.9

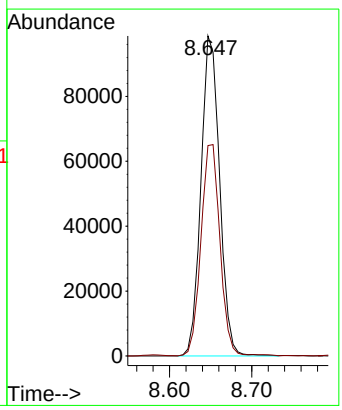


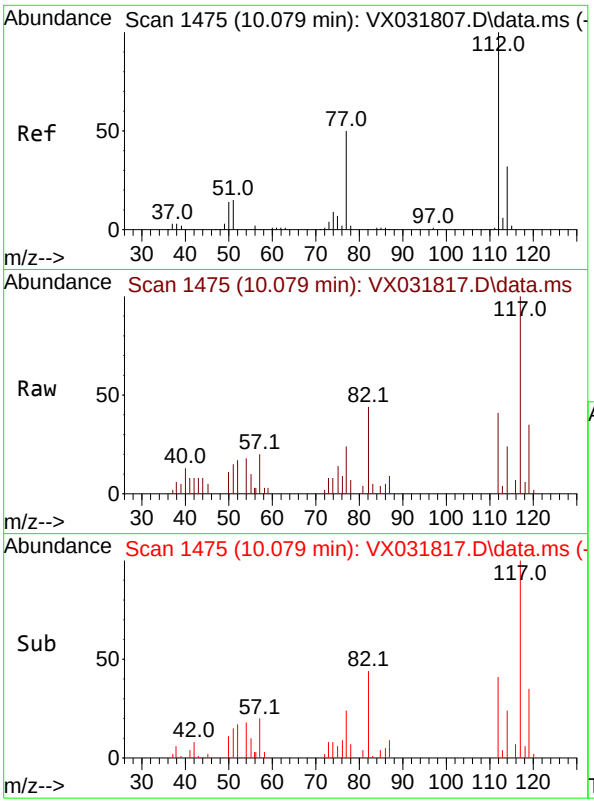


#63
Toluene-d8
Concen: 30.402 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 98 Resp: 155319

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.8	80.8



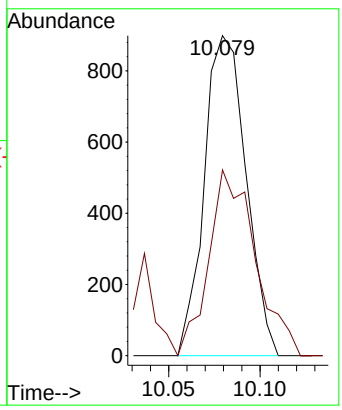


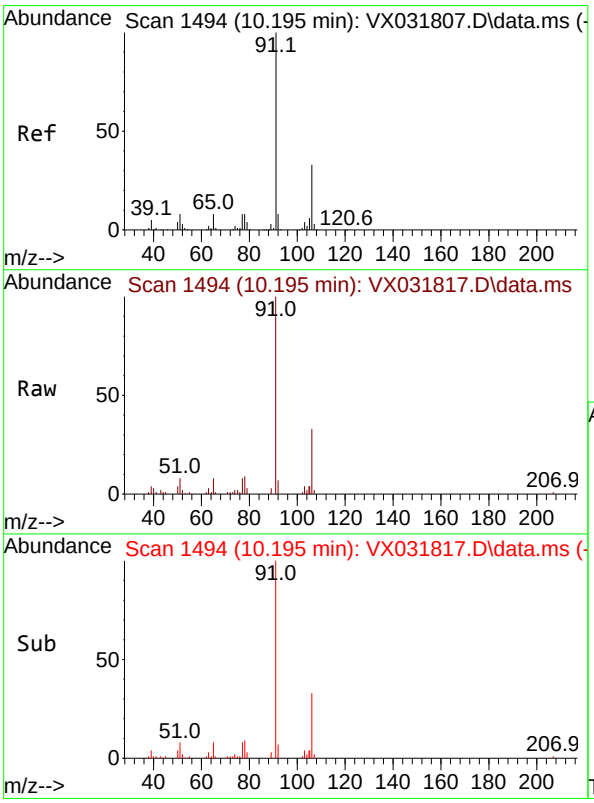
#64
Chlorobenzene
Concen: 0.364 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:112 Resp: 1430

Ion	Ratio	Lower	Upper
112	100		
114	58.1	25.7	38.5#

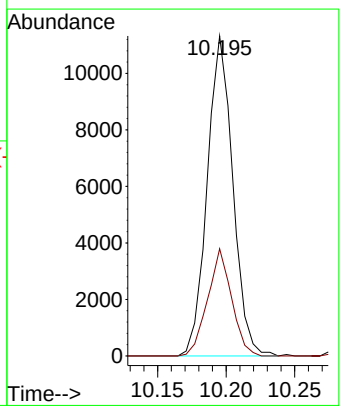


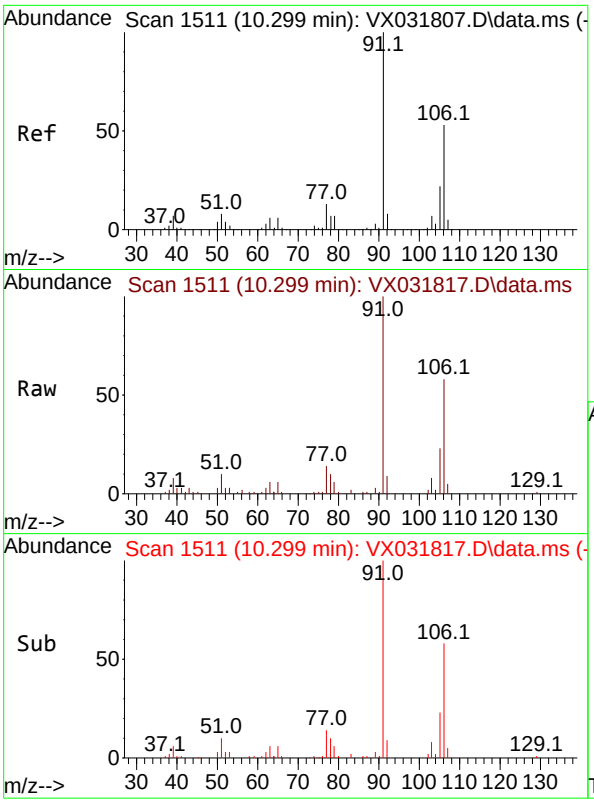


#66
Ethyl Benzene
Concen: 2.269 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion: 91 Resp: 14723

Ion	Ratio	Lower	Upper
91	100		
106	33.5	26.7	40.1



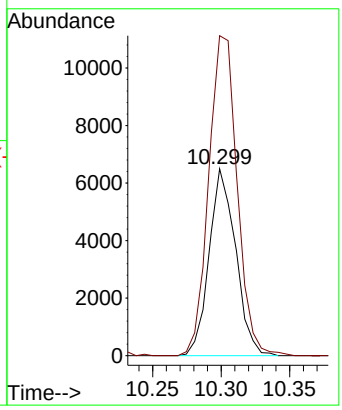


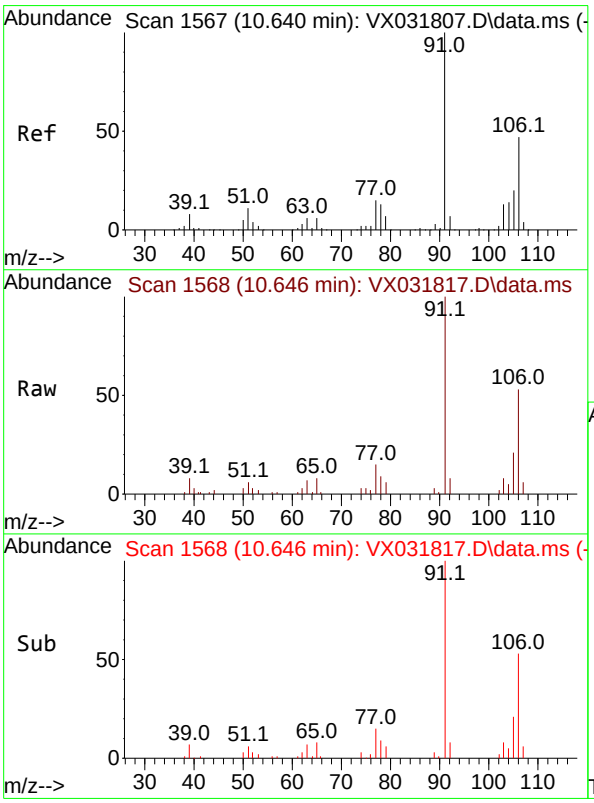
#67
m/p-Xylenes
Concen: 3.234 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:106 Resp: 8740

Ion	Ratio	Lower	Upper
106	100		
91	183.9	152.3	228.5

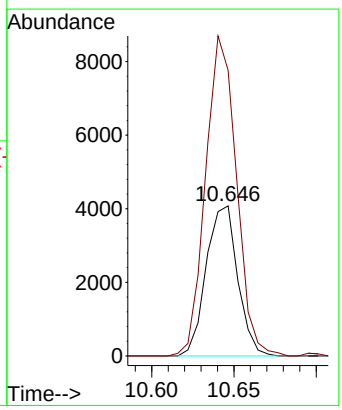


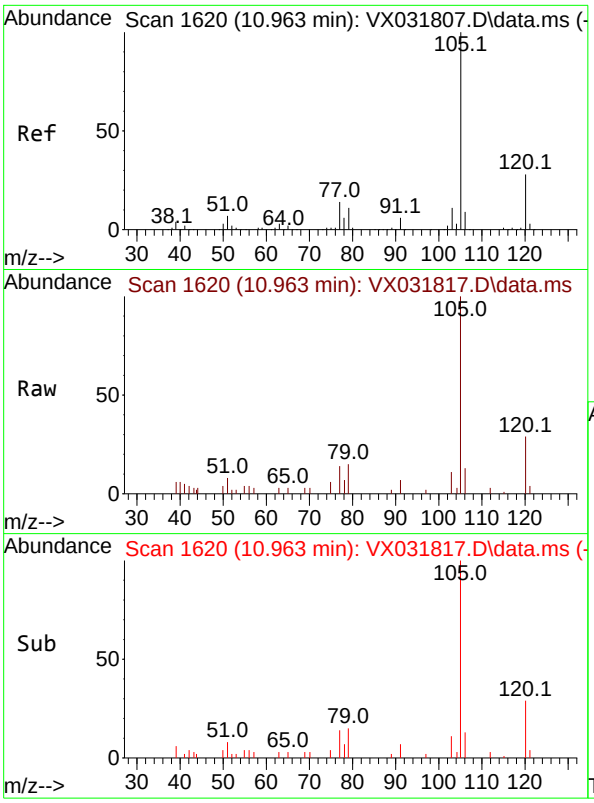


#68
o-Xylene
Concen: 2.048 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion:106 Resp: 5432

Ion	Ratio	Lower	Upper
106	100		
91	209.0	101.9	305.7



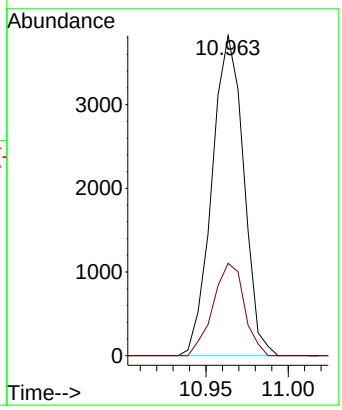


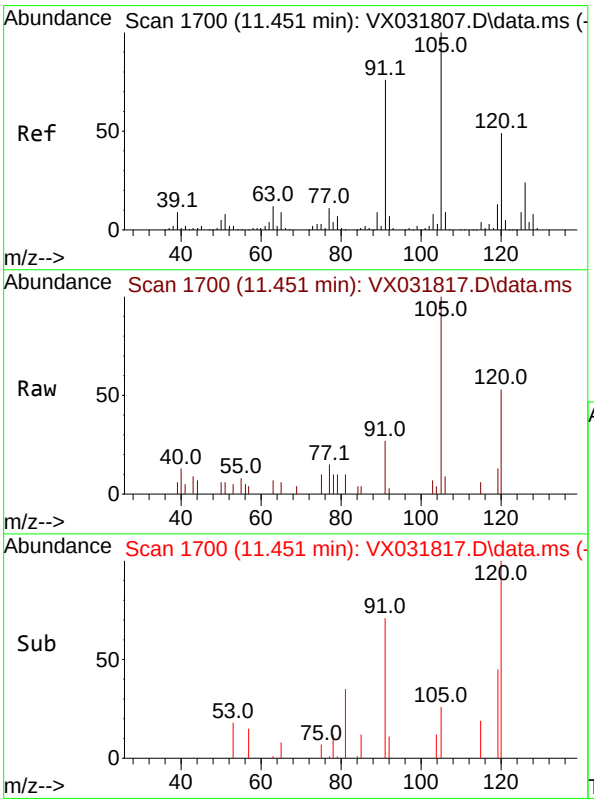
#70
Isopropylbenzene
Concen: 0.744 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:105 Resp: 5131

Ion	Ratio	Lower	Upper
105	100		
120	28.4	19.3	35.9

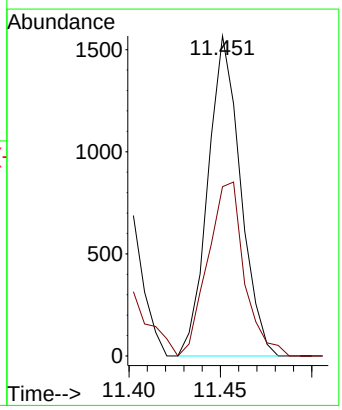


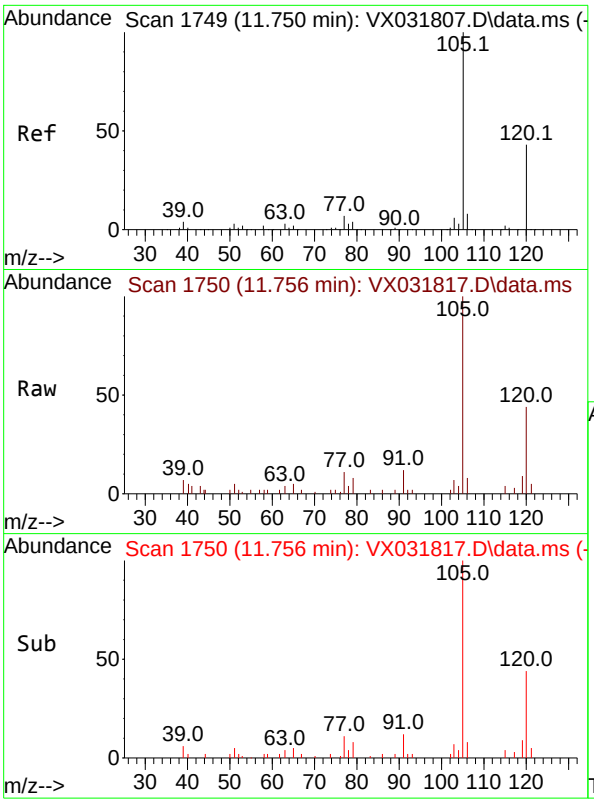


#76
1,3,5-Trimethylbenzene
Concen: 0.335 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion:105 Resp: 1945

Ion	Ratio	Lower	Upper
105	100		
120	60.9	0.0	100.6



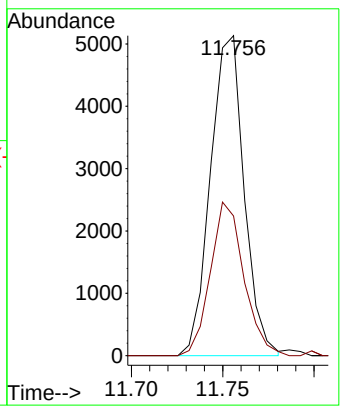


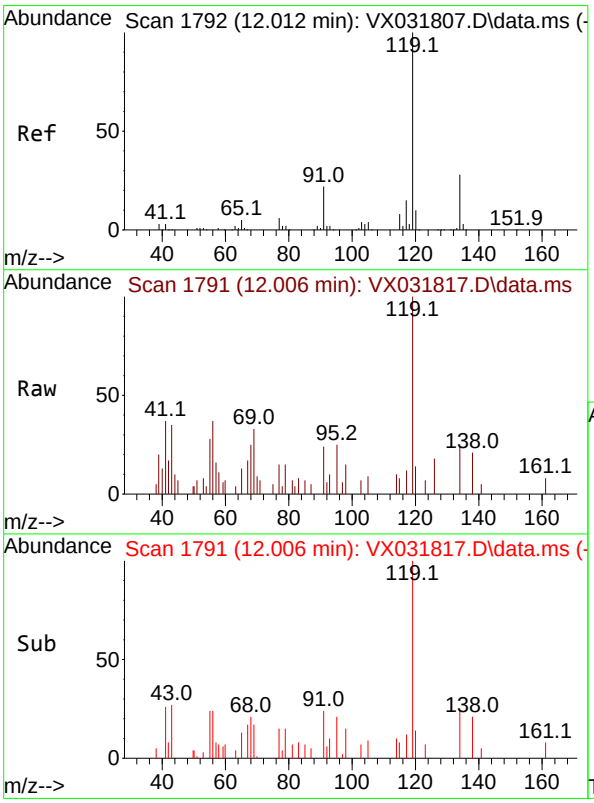
#80
1,2,4-Trimethylbenzene
Concen: 1.142 ug/l
RT: 11.756 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:105 Resp: 6581

Ion	Ratio	Lower	Upper
105	100		
120	47.8	0.0	95.0

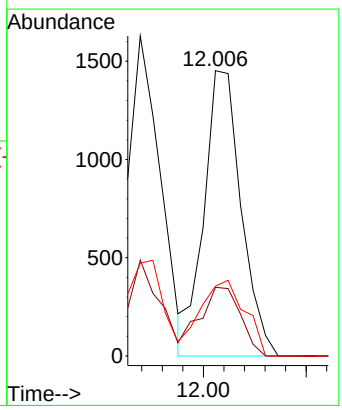


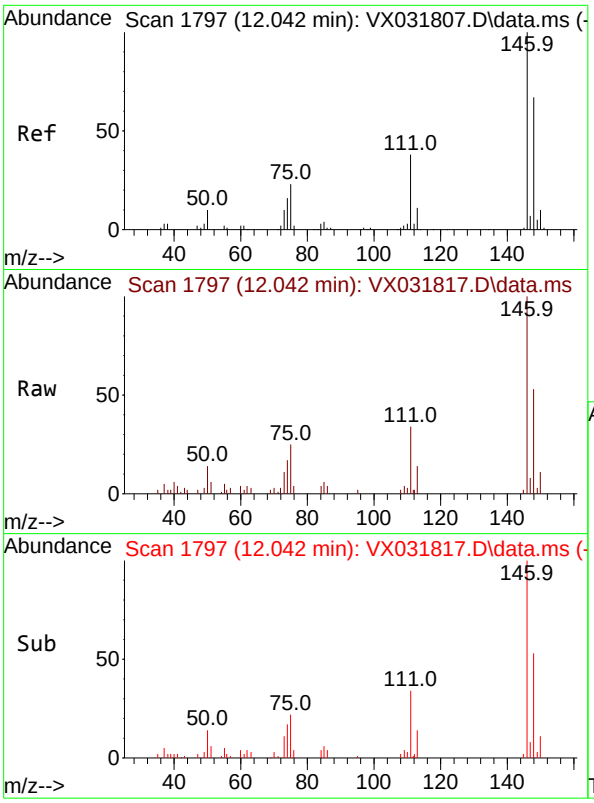


#82
p-Isopropyltoluene
Concen: 0.291 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion:119 Resp: 1829

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	55.4
91	31.8	0.0	45.6



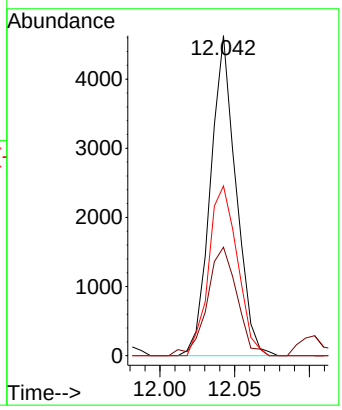


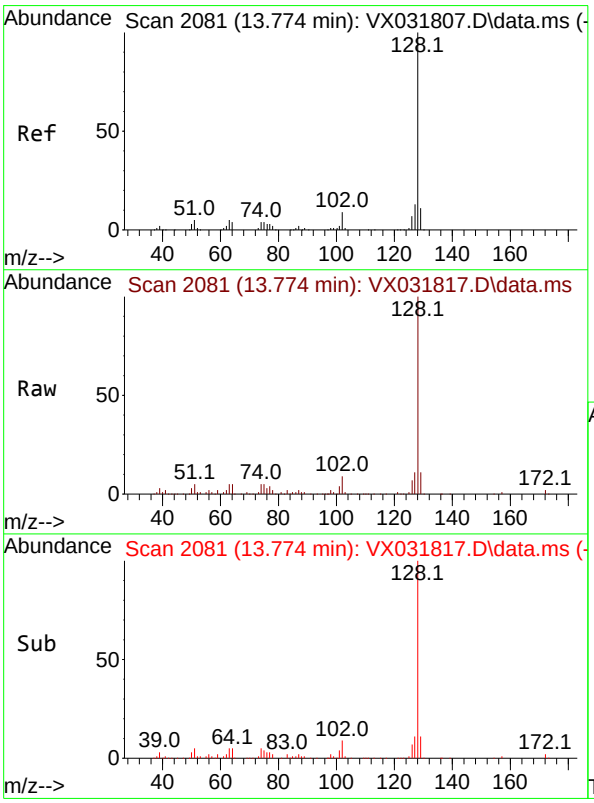
#84
1,4-Dichlorobenzene
Concen: 1.531 ug/l
RT: 12.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:146 Resp: 5494

Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.5
148	59.6	31.6	95.0





#91
Naphthalene
Concen: 8.383 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX031817.D
Acq: 30 Sep 2022 17:30

Tgt Ion:128 Resp: 60582

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.2	8.4	12.6