Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
Data File : VX026452.D
Acq On : 14 Jan 2022 13:47
Operator : JC/MD
Sample : N1149-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Quant Time: Jan 17 05:58:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.910	128	16873	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	93111	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81550	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	40602	29.925	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.767%			
60) 4-Bromofluorobenzene	11.079	95	40925	30.070	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.233%			
63) Toluene-d8	8.653	98	109380	29.197	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.333%			
Target Compounds						Qvalue
20) Diisopropyl ether	3.764	45	6416	1.891	ug/l #	83
23) tert-Butyl Alcohol	2.965	59	62482	325.018	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	66180	19.621	ug/l	98
26) Cyclohexane	5.477	56	927	0.543	ug/l #	67
34) Benzene	6.050	78	18630	4.672	ug/l	97
70) Isopropylbenzene	10.964	105	973	0.207	ug/l	96
79) tert-butylbenzene	11.719	119	790	0.217	ug/l	91

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

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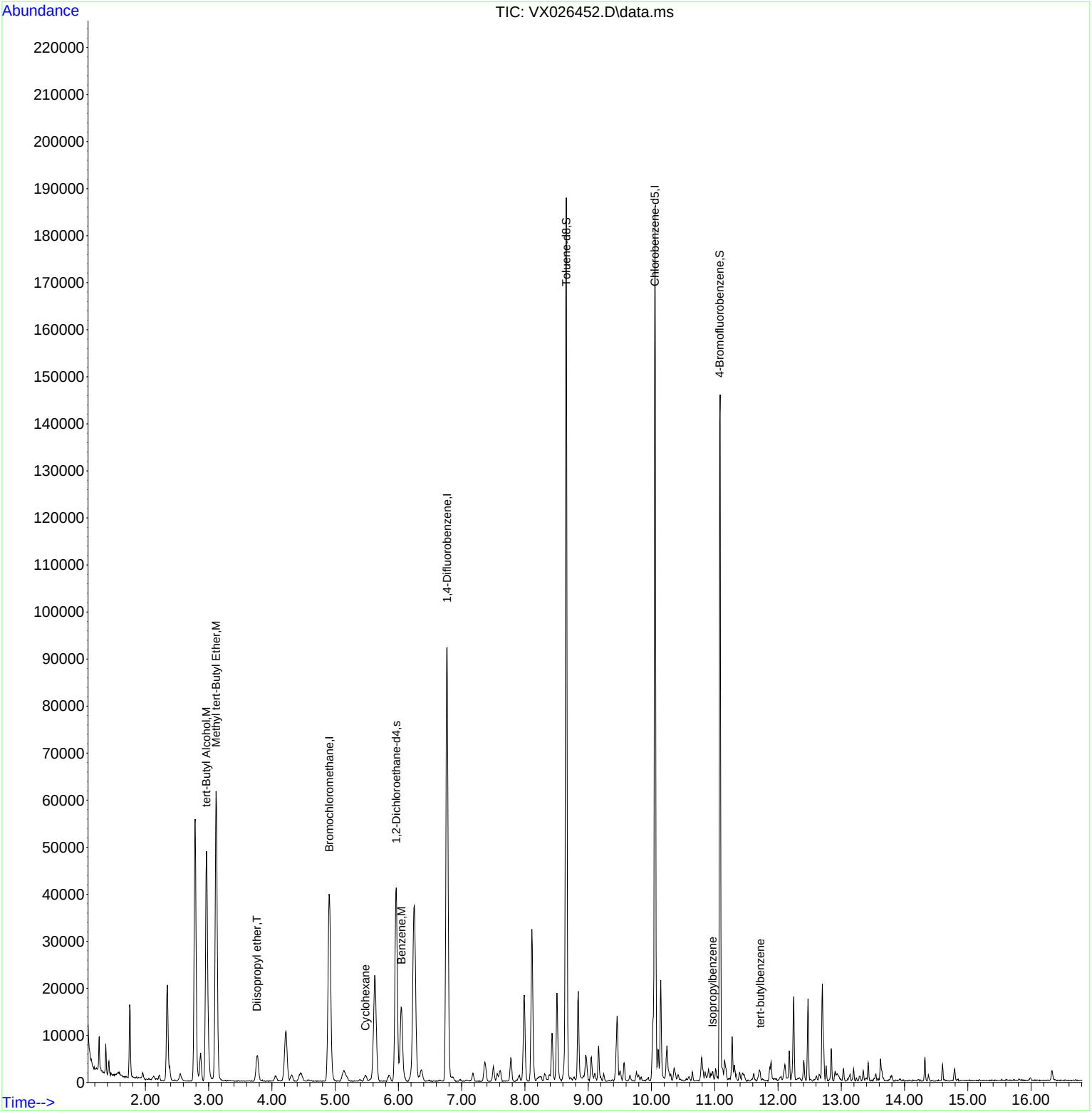
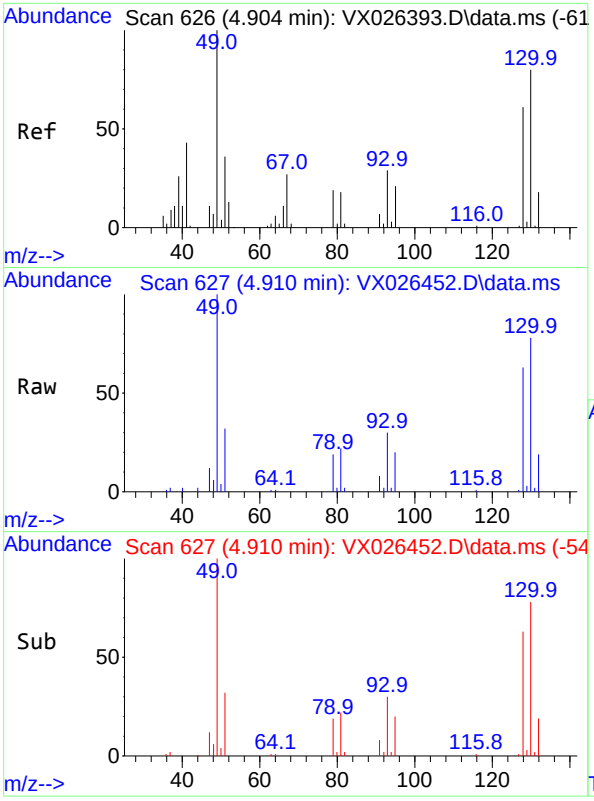


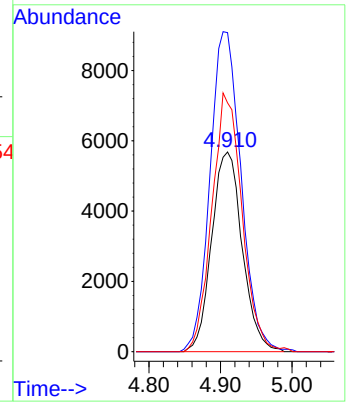


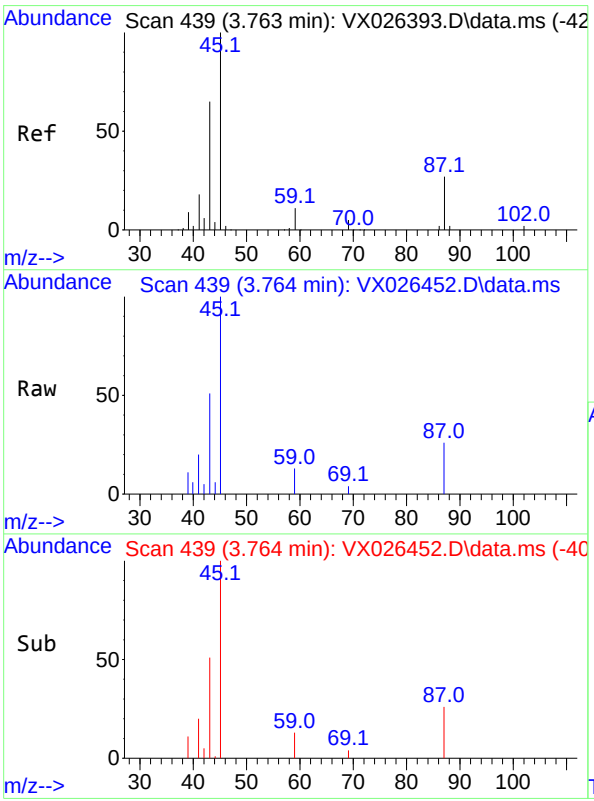
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion:128 Resp: 16873

Ion	Ratio	Lower	Upper
128	100		
49	162.5	0.0	413.5
130	127.3	0.0	326.0

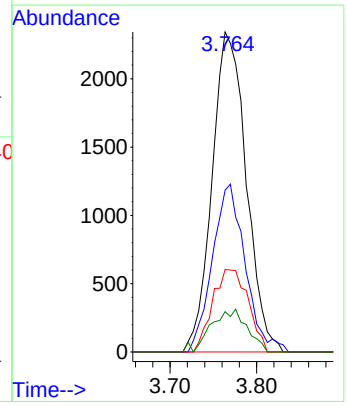


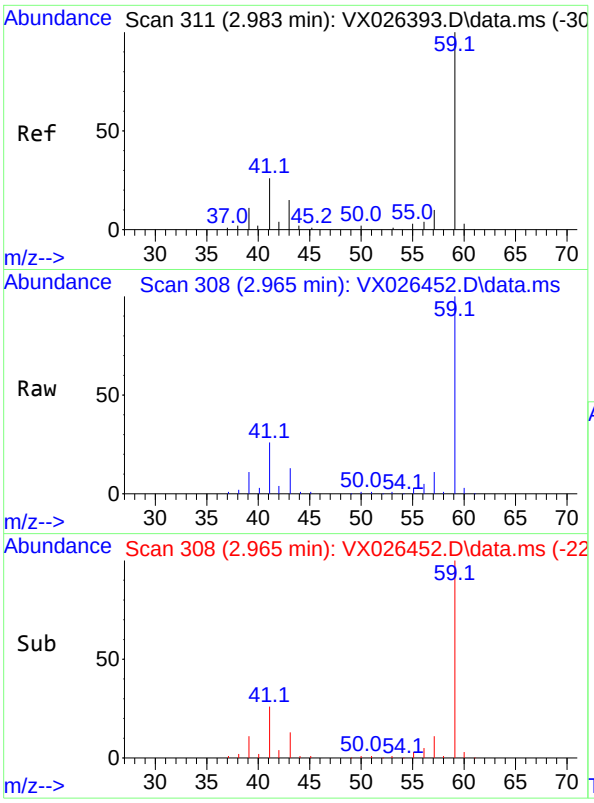


#20
Diisopropyl ether
Concen: 1.891 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 45 Resp: 6416

Ion	Ratio	Lower	Upper
45	100		
43	50.5	56.2	84.2#
87	25.8	21.5	32.3
59	12.6	8.7	13.1



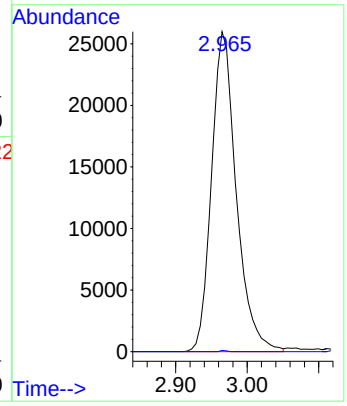


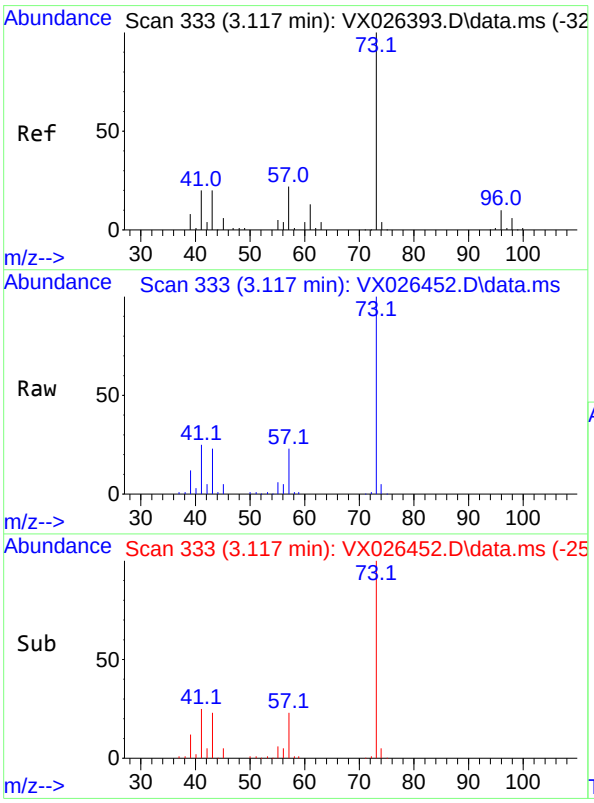
#23
tert-Butyl Alcohol
Concen: 325.018 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.018 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion: 59 Resp: 62482

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

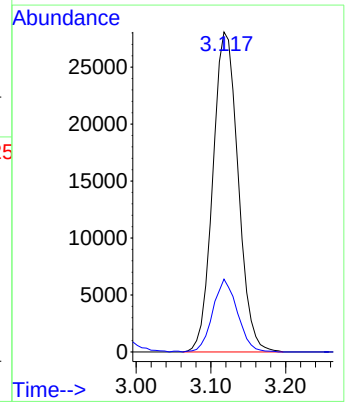


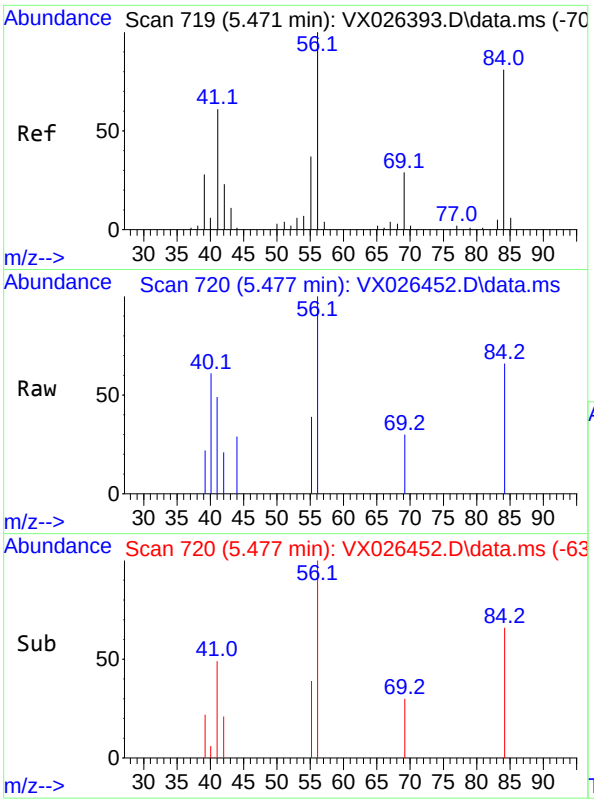


#24
Methyl tert-Butyl Ether
Concen: 19.621 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 73 Resp: 66180

Ion	Ratio	Lower	Upper
73	100		
43	22.1	17.1	25.7



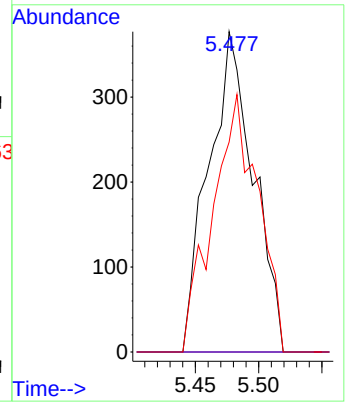


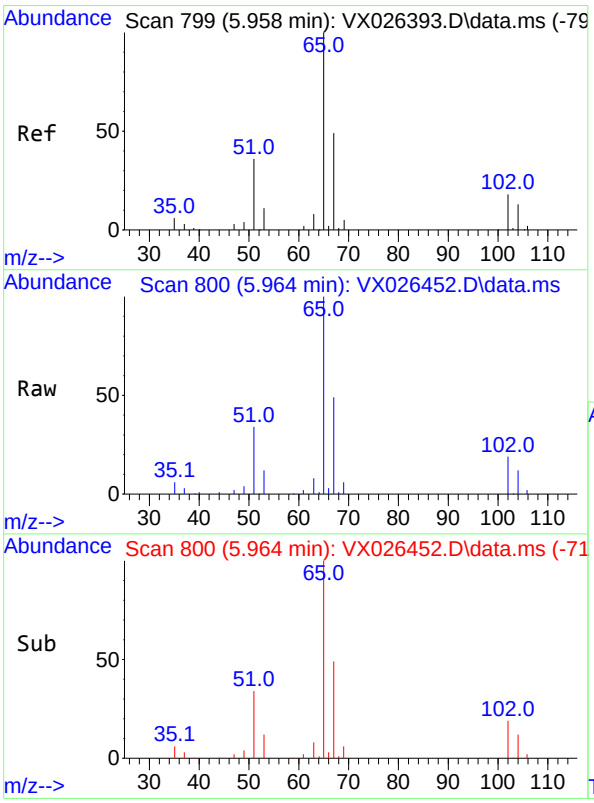
#26
Cyclohexane
Concen: 0.543 ug/l
RT: 5.477 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion: 56 Resp: 927

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	57.2	70.6	106.0#

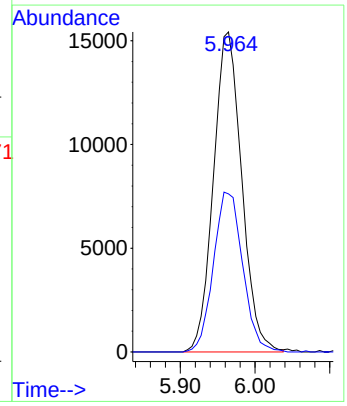


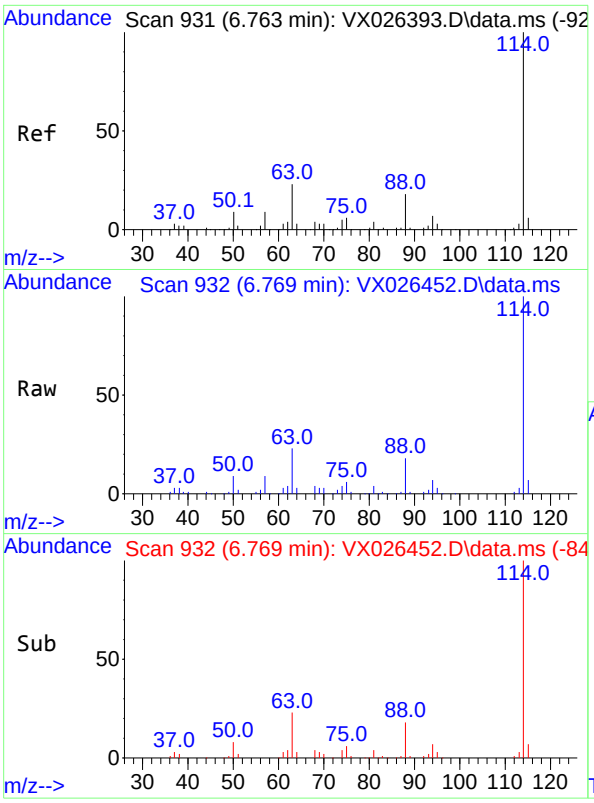


#27
1,2-Dichloroethane-d4
Concen: 29.925 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 65 Resp: 40602

Ion	Ratio	Lower	Upper
65	100		
67	51.7	39.6	59.4



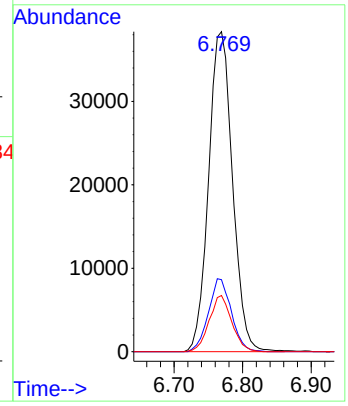


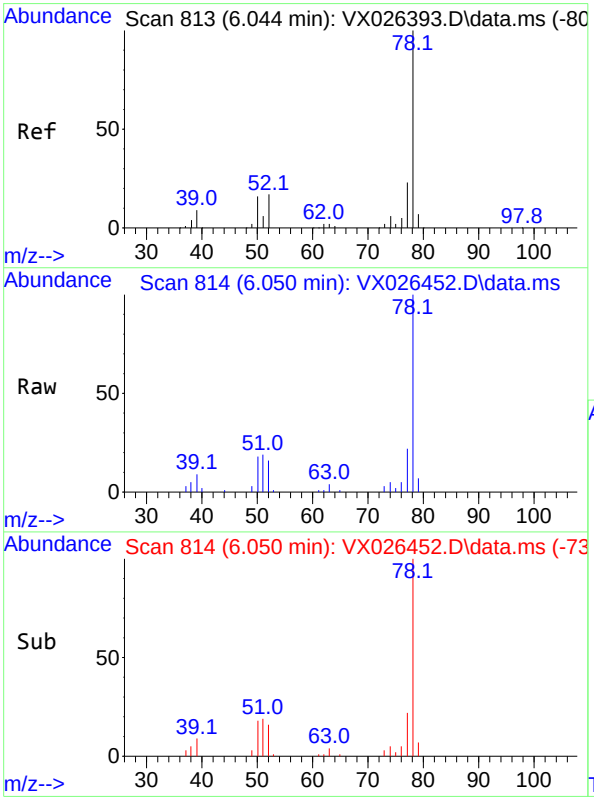
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion:114 Resp: 93111

Ion	Ratio	Lower	Upper
114	100		
63	21.8	17.4	26.2
88	16.6	13.5	20.3

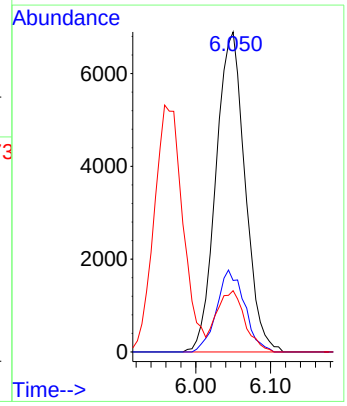


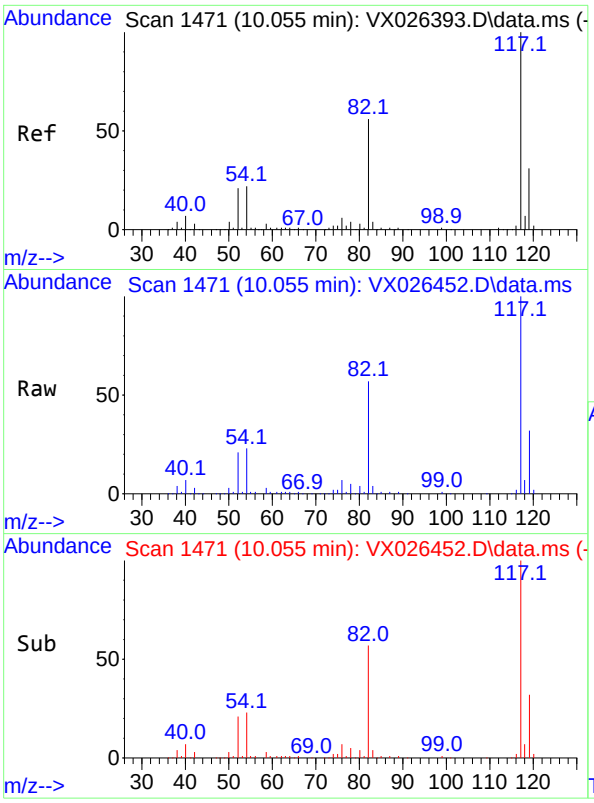


#34
Benzene
Concen: 4.672 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 78 Resp: 18630

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1
51	19.1	13.5	20.3



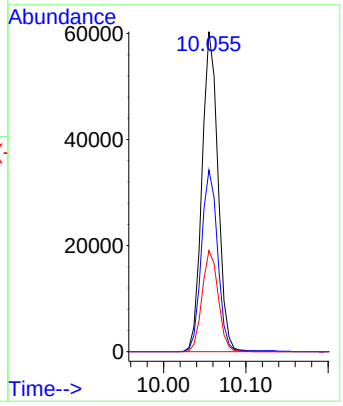


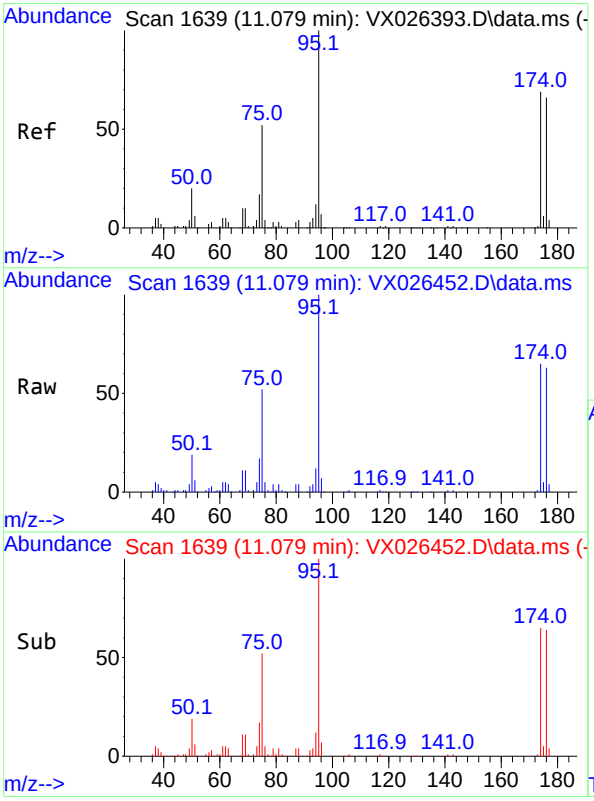
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion:117 Resp: 81550

Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.2	69.4
119	31.8	25.4	38.2

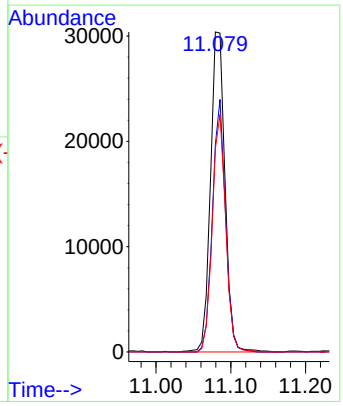


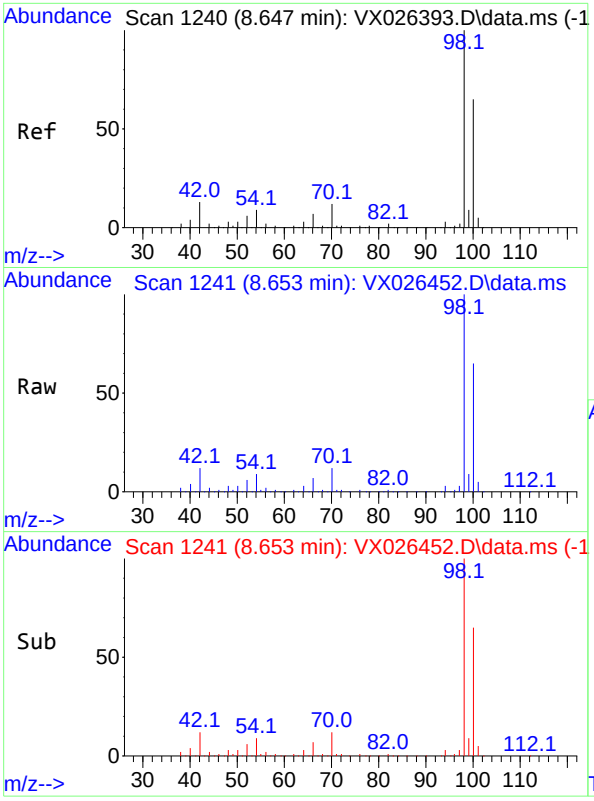


#60
4-Bromofluorobenzene
Concen: 30.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 95 Resp: 40925

Ion	Ratio	Lower	Upper
95	100		
174	71.7	58.0	87.0
176	68.7	56.5	84.7



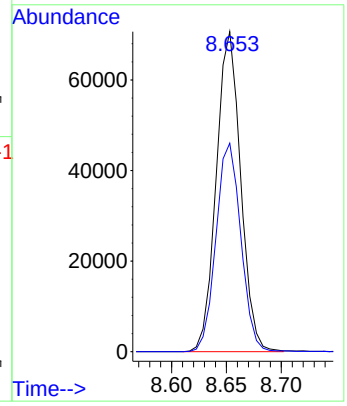


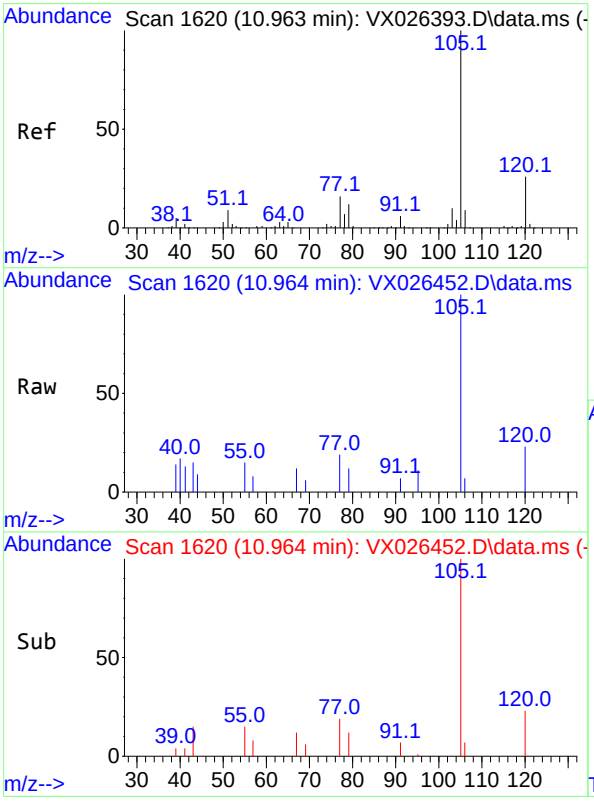
#63
Toluene-d8
Concen: 29.197 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion: 98 Resp: 109380

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.5	78.7

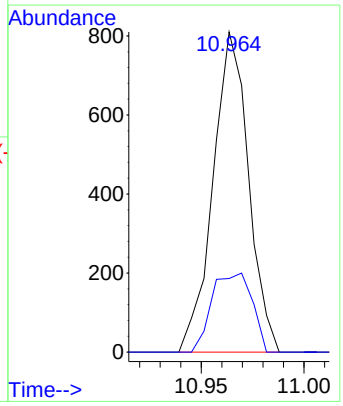


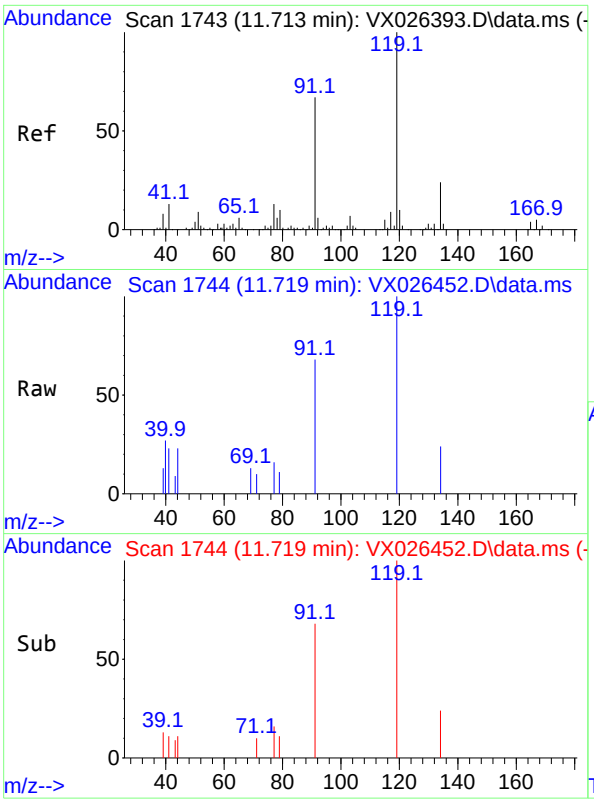


#70
Isopropylbenzene
Concen: 0.207 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Tgt Ion:105 Resp: 973

Ion	Ratio	Lower	Upper
105	100		
120	28.0	18.1	33.5





#79
tert-butylbenzene
Concen: 0.217 ug/l
RT: 11.719 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX026452.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
6NINF-0122

Tgt Ion:119 Resp: 790

Ion	Ratio	Lower	Upper
119	100		
91	70.4	0.0	129.0
134	18.0	0.0	47.8