Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV093020\
Data File : VV018572.D
Acq On : 30 Sep 2020 16:16
Operator : SY/MD
Sample : L4171-14
Misc : 6.13g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Y4

Quant Time: Oct 08 09:35:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 01 07:39:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	318594	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	315022	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	176011	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	100565	53.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 107.64%			
7) Chloroethane-d5	1.58	69	91224	59.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 118.10%			
11) 1,1-Dichloroethene-d2	2.10	63	164431	43.19	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.38%			
21) 2-Butanone-d5	3.93	46	170253	122.16	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 122.16%			
24) Chloroform-d	4.37	84	245227	60.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 121.38%			
26) 1,2-Dichloroethane-d4	5.05	65	173222	67.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 135.06%#			
32) Benzene-d6	5.07	84	495712	62.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 124.24%			
36) 1,2-Dichloropropane-d6	6.09	67	161661	67.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 134.10%#			
41) Toluene-d8	7.34	98	473427	63.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 126.14%#			
43) trans-1,3-Dichloropropene-	7.65	79	82942	63.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 127.36%#			
47) 2-Hexanone-d5	8.15	63	143474	156.67	ug/L	0.04
Spiked Amount 100.000	Range 45 - 130		Recovery = 156.67%#			
57) 1,1,2,2-Tetrachloroethane-	10.25	84	223081	69.79	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery = 139.58%#			
64) 1,2-Dichlorobenzene-d4	11.65	152	223584	66.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 132.10%#			
Target Compounds						Qvalue
29) Cyclohexane	4.69	56	340289	94.711	ug/L	98
35) Methylcyclohexane	6.14	83	9332	2.575	ug/L	91
42) Toluene	7.41	91	24086	2.406	ug/L	97
52) Ethylbenzene	9.04	91	586502	52.455	ug/L	100
53) m,p-Xylene	9.16	106	1197240	277.073	ug/L	100
54) o-xylene	9.57	106	304090	74.332	ug/L	100
56) Isopropylbenzene	9.95	105	2155919	196.499	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	18387	3.228	ug/L #	87
63) 1,4-Dichlorobenzene	11.30	146	11087	1.890	ug/L #	80
65) 1,2-Dichlorobenzene	11.67	146	68361	12.131	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	747509	203.588	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	231858	62.905	ug/L	97

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

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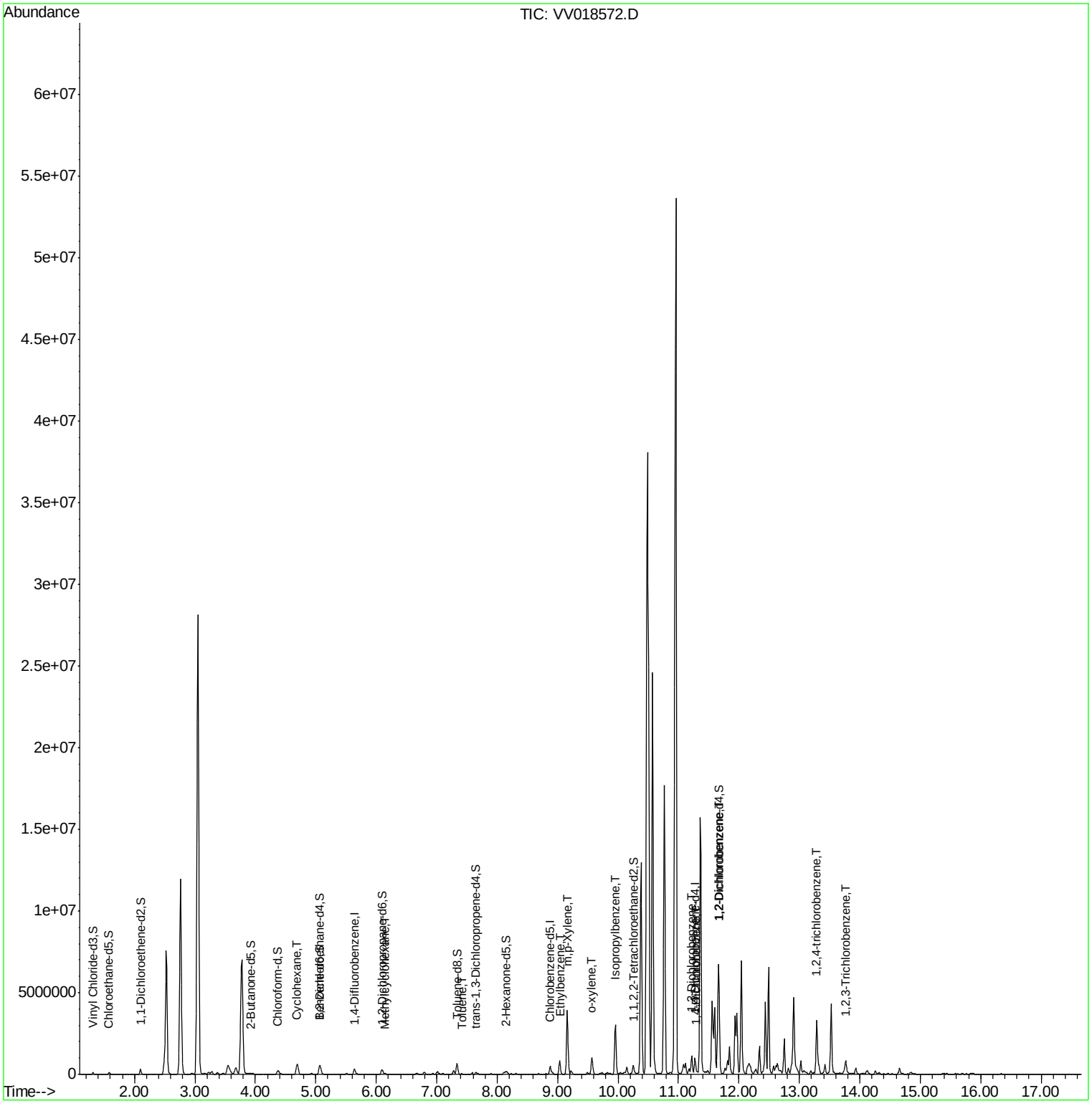
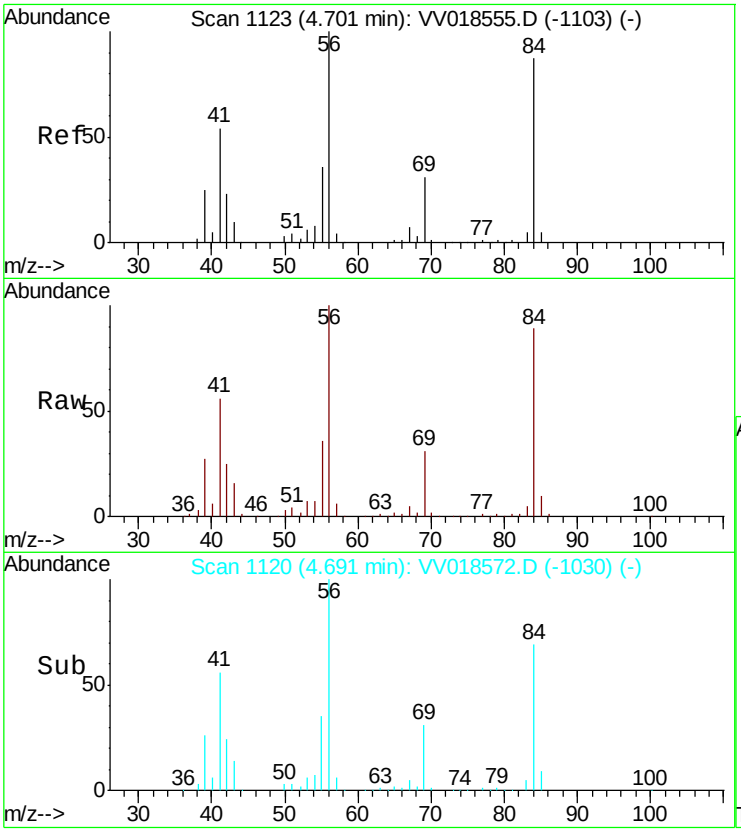
Quant Time: Oct 08 09:35:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 01 07:39:17 2020
Response via : Initial Calibration



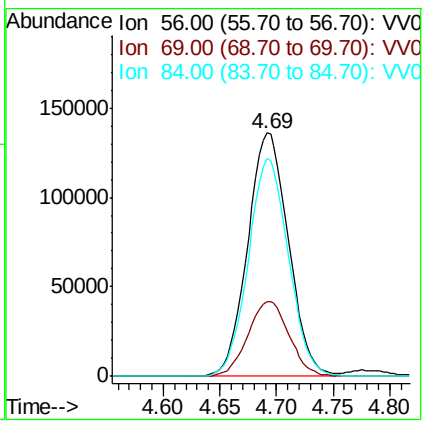


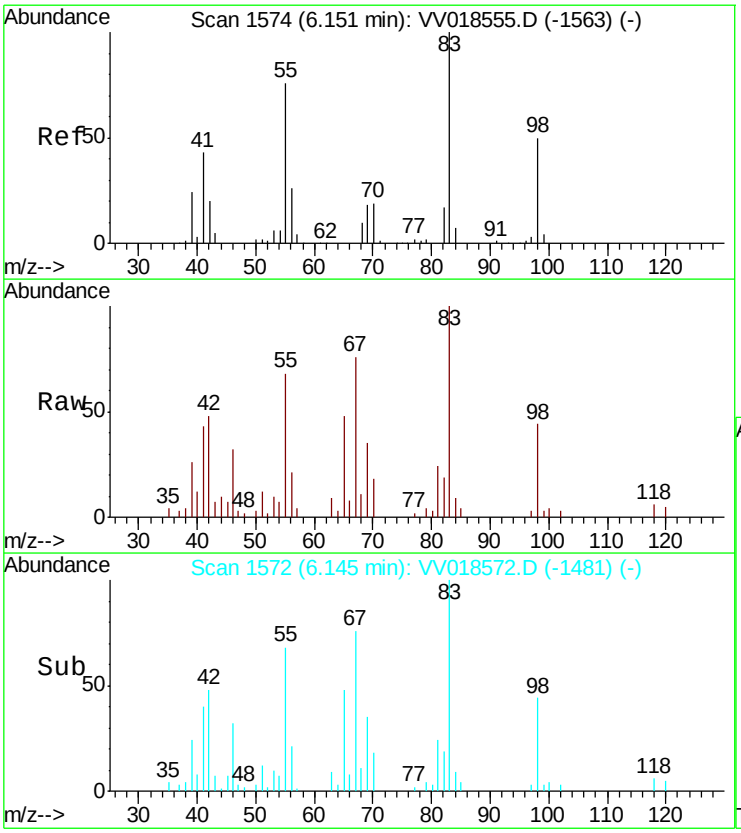
#29
Cyclohexane
Concen: 94.711 ug/L
RT: 4.69 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Instrument : MSVOA_V
ClientSampleId : BG3Y4

Tgt Ion: 56 Resp: 340289

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.8	37.2
84	88.3	72.2	108.4

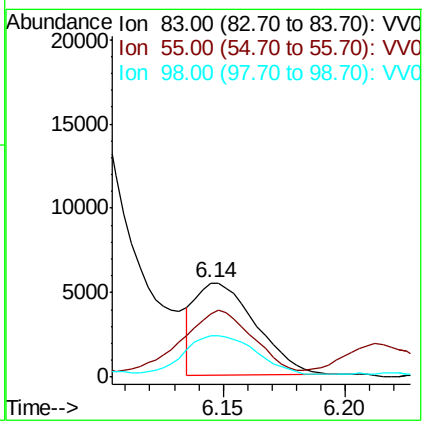


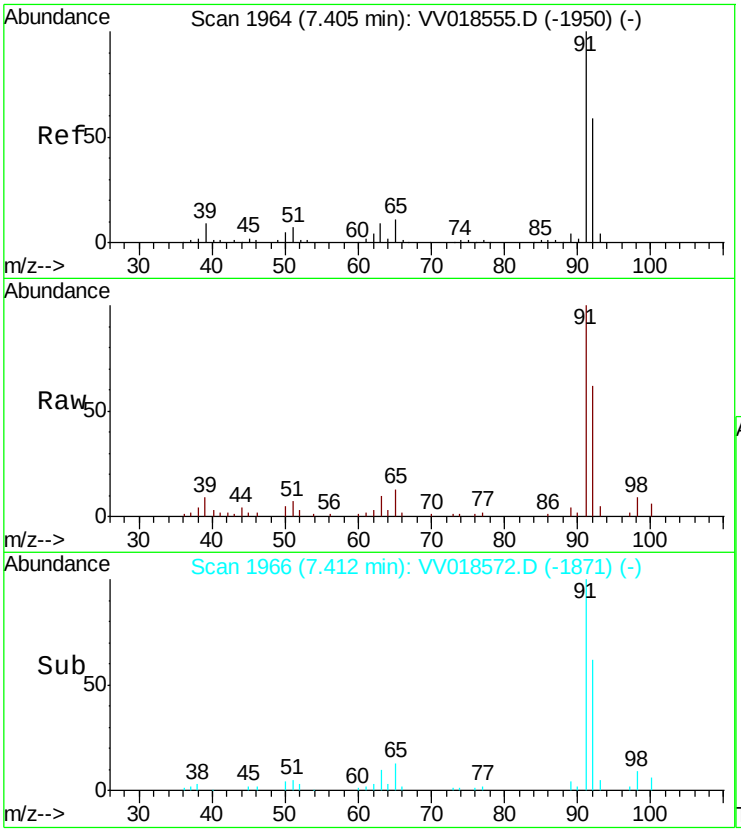


#35
Methylcyclohexane
Concen: 2.575 ug/L
RT: 6.14 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Tgt Ion: 83 Resp: 9332

Ion	Ratio	Lower	Upper
83	100		
55	86.9	60.1	90.1
98	52.2	40.2	60.4



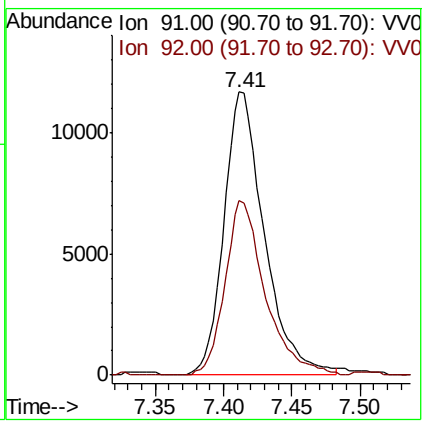


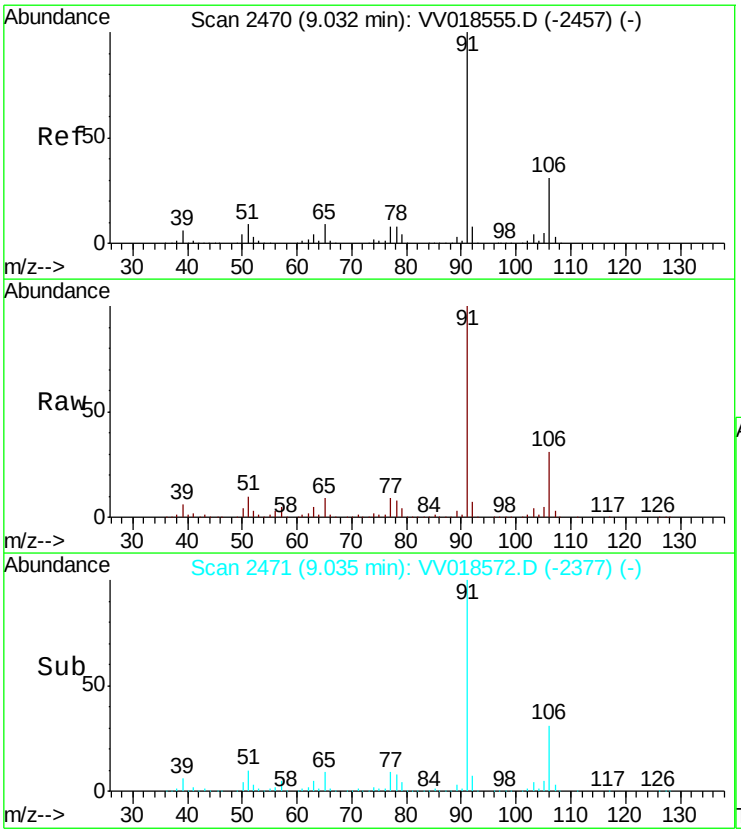
#42
Toluene
Concen: 2.406 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Instrument :
MSVOA_V
ClientSampleId :
BG3Y4

Tgt Ion: 91 Resp: 24086

Ion	Ratio	Lower	Upper
91	100		
92	61.6	41.6	77.3

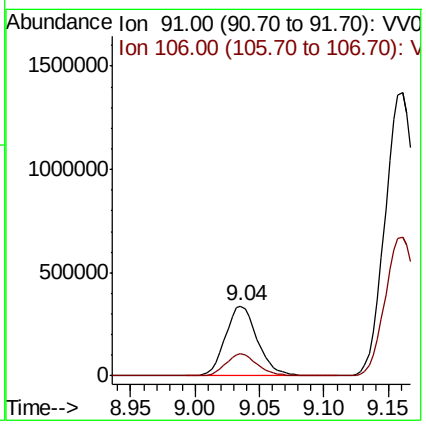


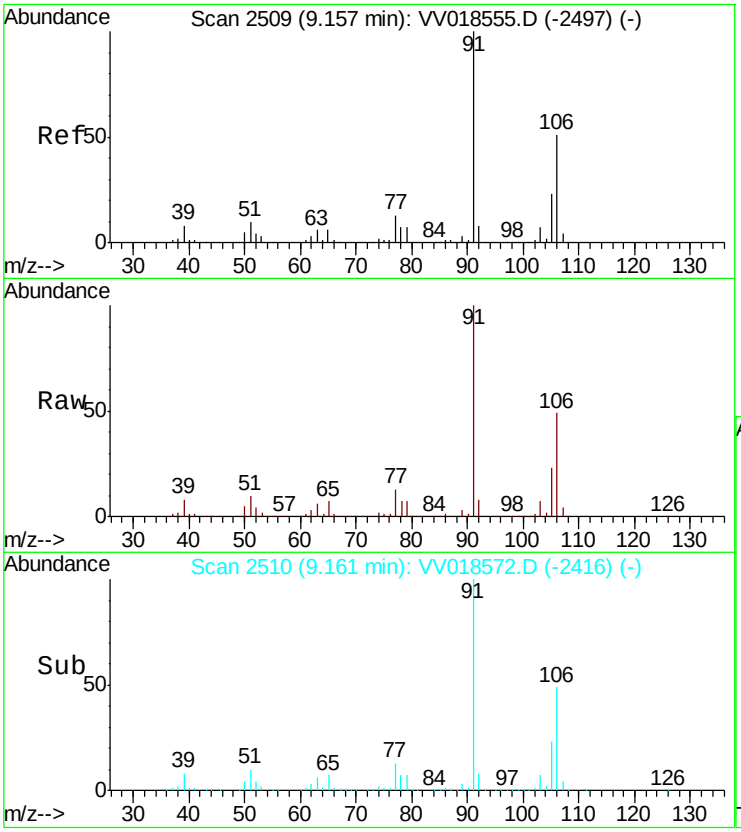


#52
Ethylbenzene
Concen: 52.455 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Tgt Ion: 91 Resp: 586502

Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.9	40.7



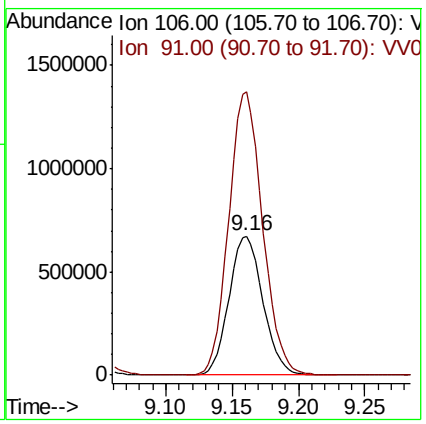


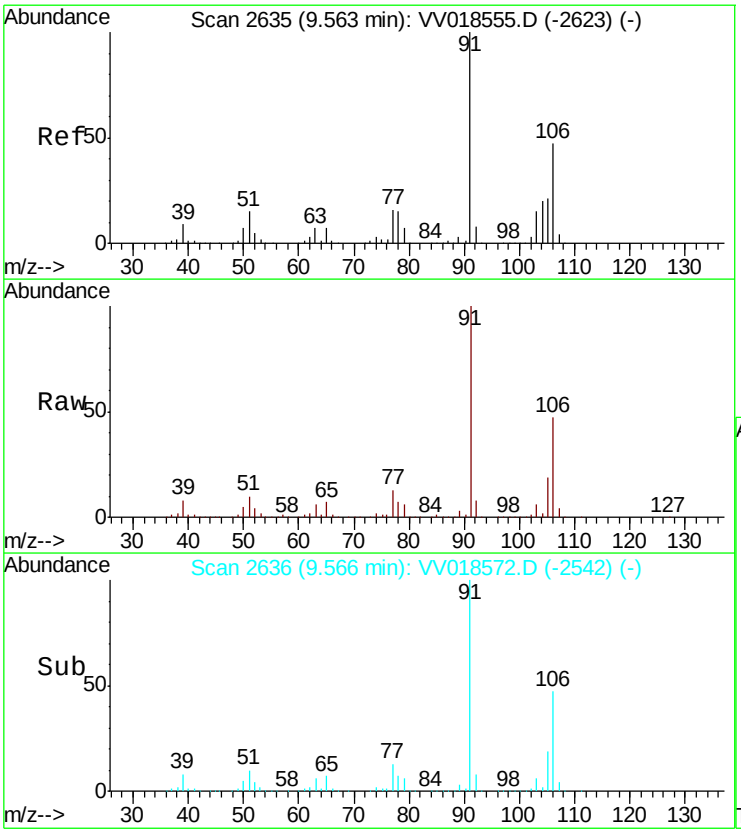
#53
m,p-Xylene
Concen: 277.073 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Instrument :
MSVOA_V
ClientSampleId :
BG3Y4

Tgt Ion:106 Resp: 1197240

Ion	Ratio	Lower	Upper
106	100		
91	203.1	142.3	264.3

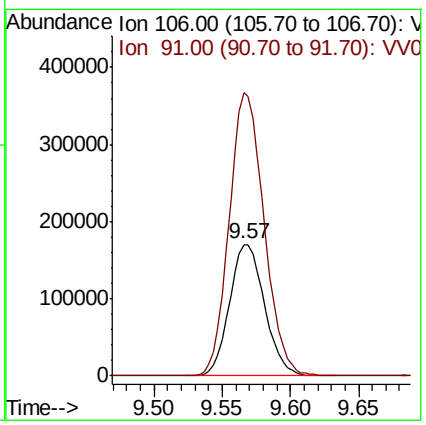


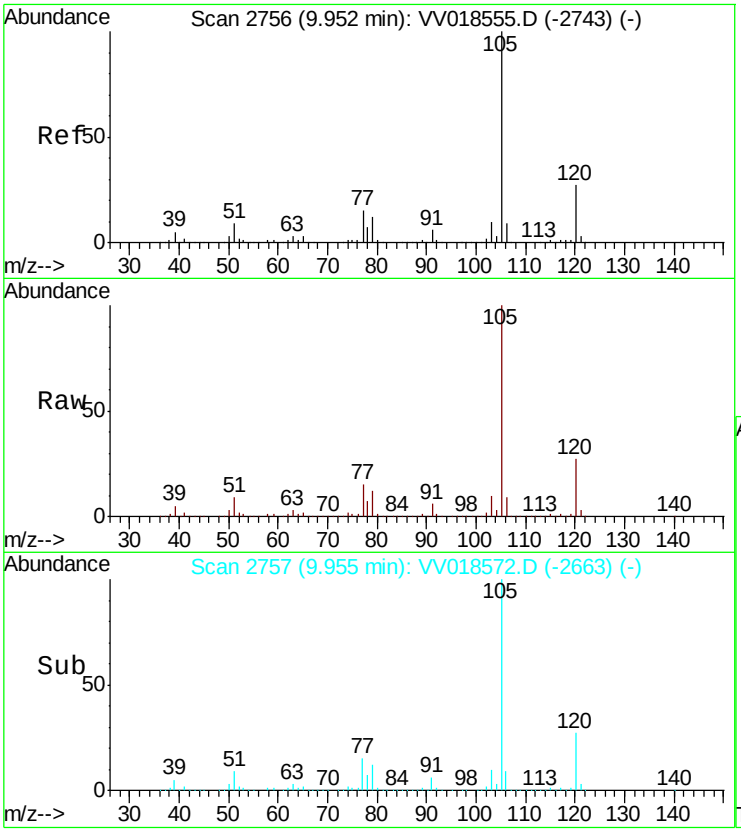


#54
o-xylene
Concen: 74.332 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Tgt Ion:106 Resp: 304090

Ion	Ratio	Lower	Upper
106	100		
91	215.0	151.0	280.4



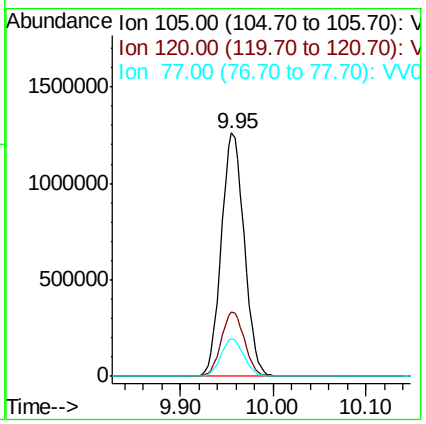


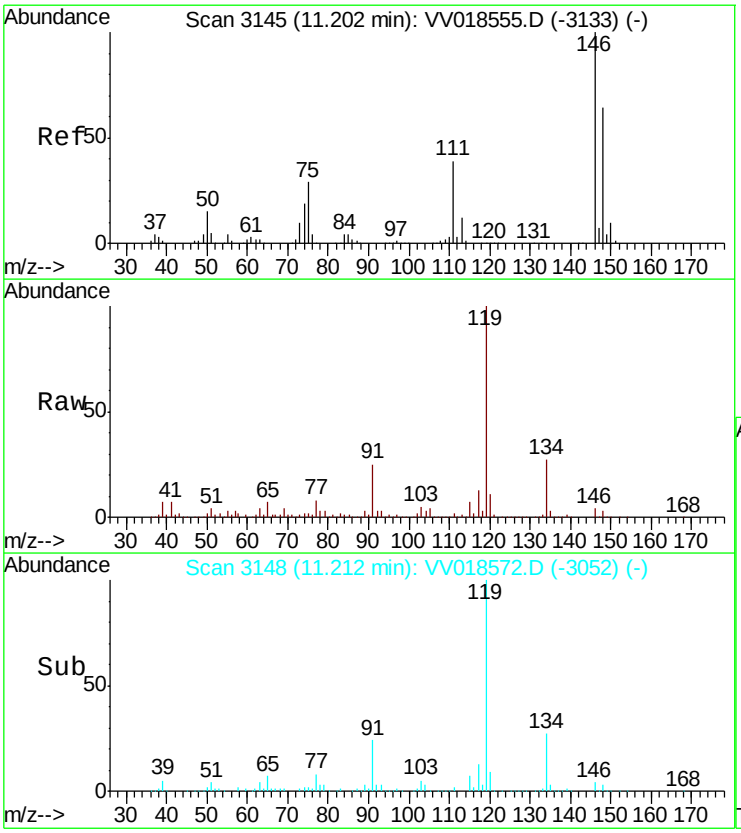
#56
Isopropylbenzene
Concen: 196.499 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Instrument : MSVOA_V
ClientSampleId : BG3Y4

Tgt Ion:105 Resp: 2155919

Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.5	32.3
77	15.4	12.2	18.2

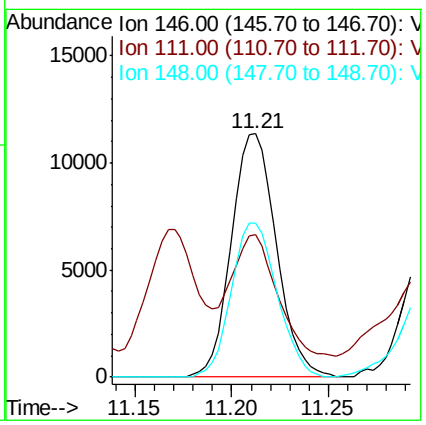


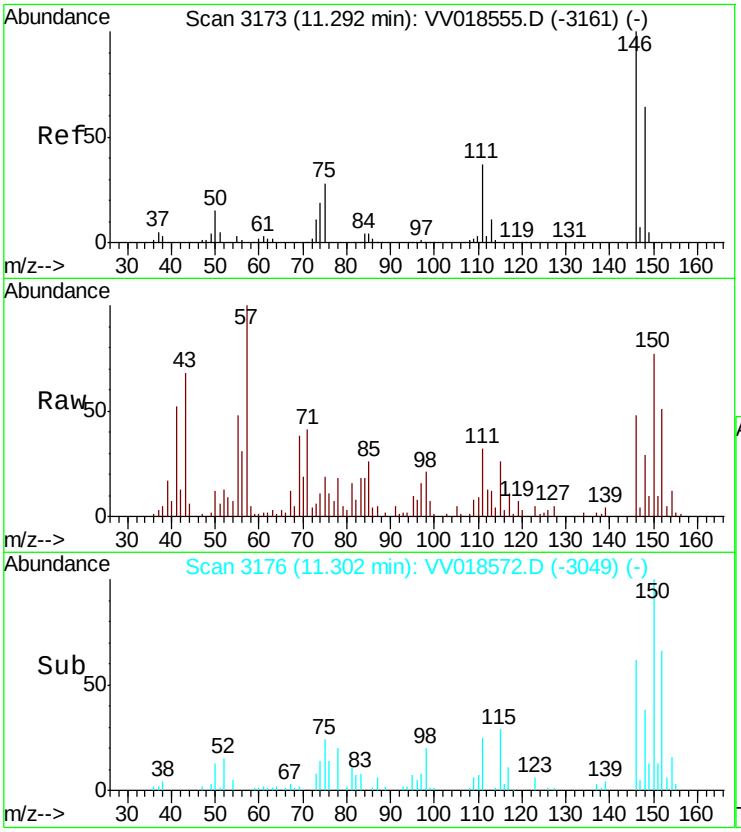


#62
1,3-Dichlorobenzene
Concen: 3.228 ug/L
RT: 11.21 min Scan# 3148
Delta R.T. 0.01 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Tgt Ion:146 Resp: 18387

Ion	Ratio	Lower	Upper
146	100		
111	58.7	26.8	49.8#
148	63.1	44.0	81.8



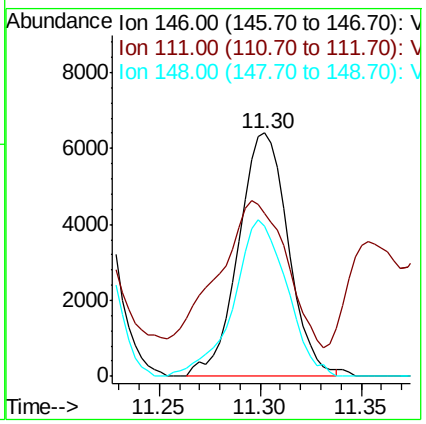


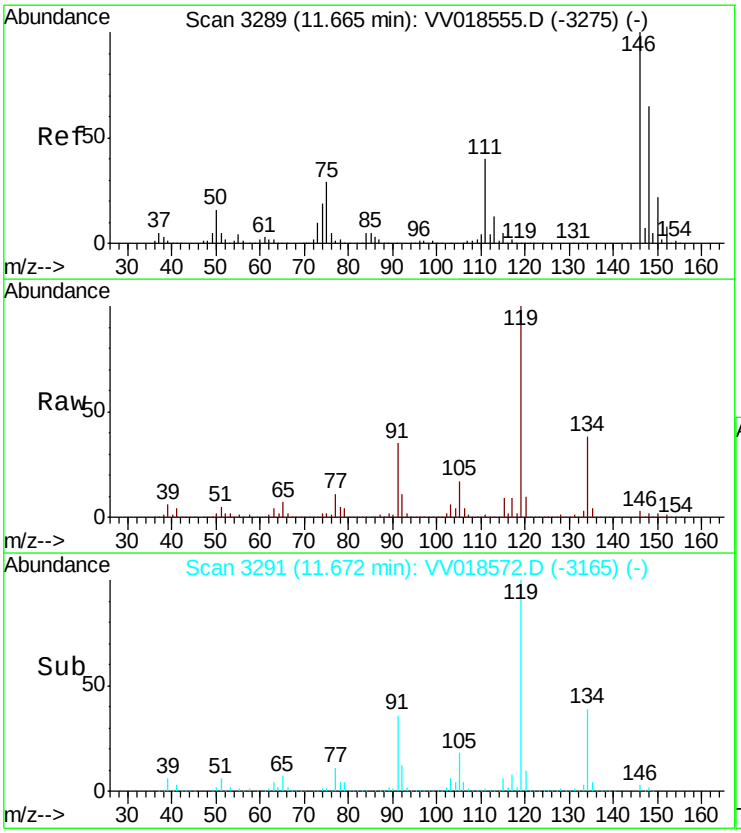
#63
1,4-Dichlorobenzene
Concen: 1.890 ug/L
RT: 11.30 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Instrument : MSVOA_V
ClientSampleId : BG3Y4

Tgt Ion:146 Resp: 11087

Ion	Ratio	Lower	Upper
146	100		
111	66.8	26.2	48.6#
148	61.6	44.4	82.5

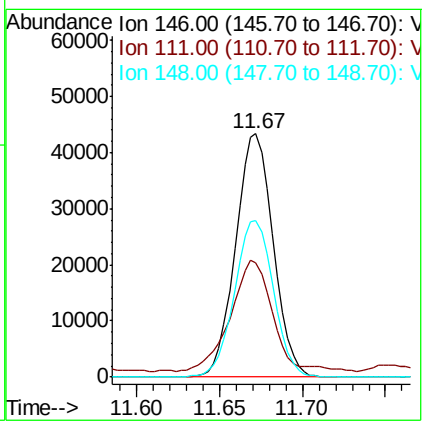


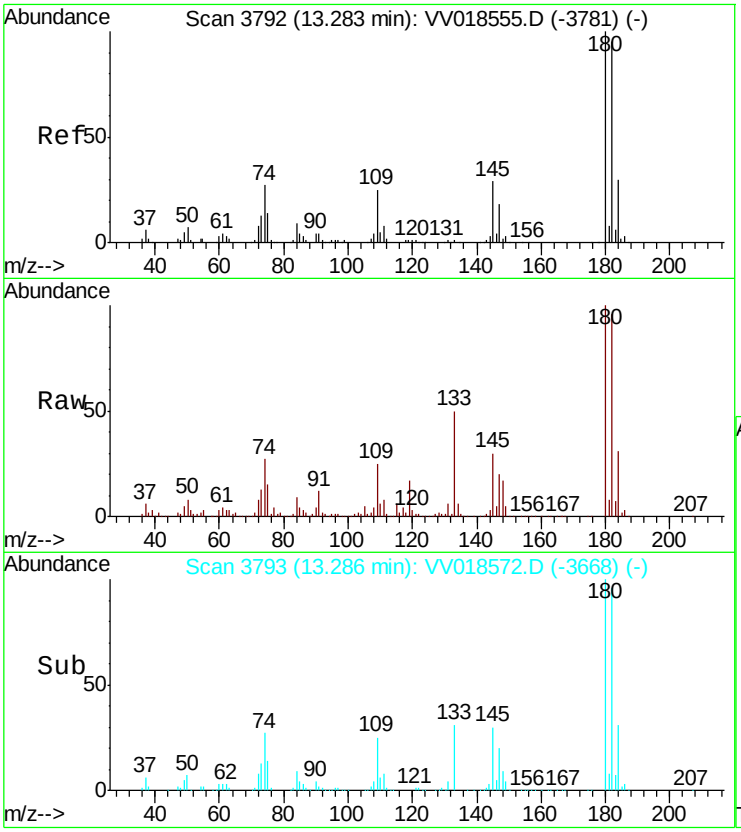


#65
1,2-Dichlorobenzene
Concen: 12.131 ug/L
RT: 11.67 min Scan# 3291
Delta R.T. 0.01 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Tgt Ion:146 Resp: 68361

Ion	Ratio	Lower	Upper
146	100		
111	47.2	32.8	49.2
148	64.3	51.9	77.9



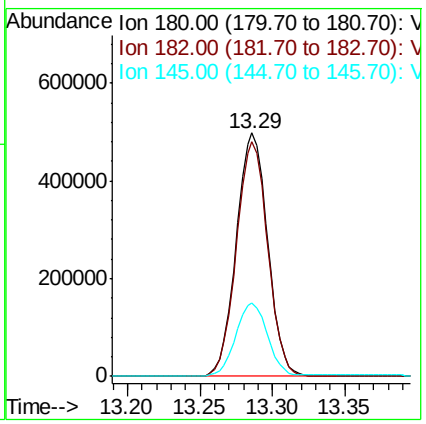


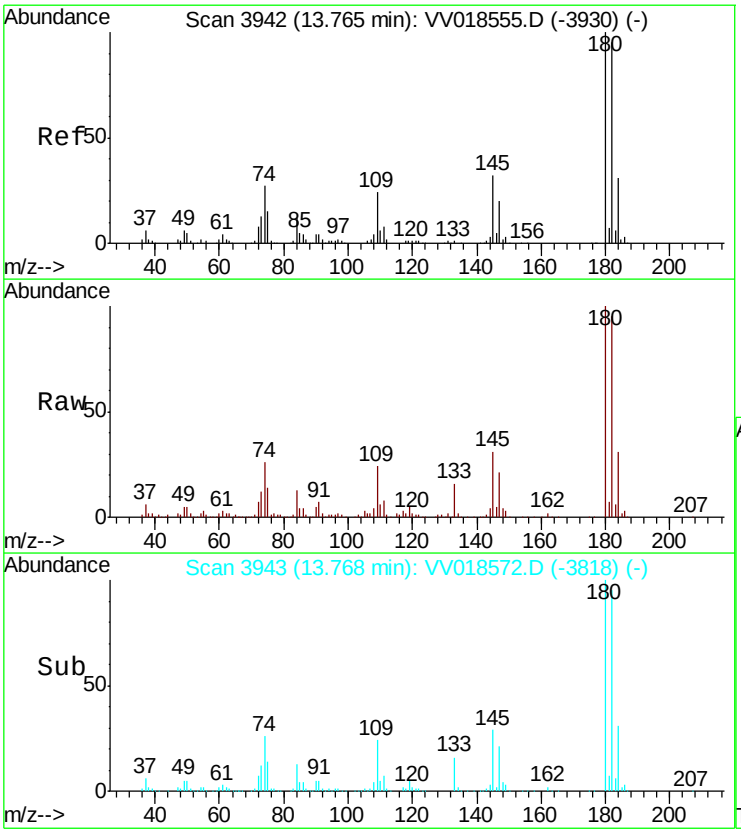
#68
1,2,4-trichlorobenzene
Concen: 203.588 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Instrument :
MSVOA_V
ClientSampleId :
BG3Y4

Tgt Ion:180 Resp: 747509

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.3	114.5
145	29.8	23.6	35.4





#70
1,2,3-Trichlorobenzene
Concen: 62.905 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018572.D
Acq: 30 Sep 2020 16:16

Tgt Ion:180 Resp: 231858

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.1	115.7
145	35.7	25.1	37.7