

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031720\
 Data File : VV014987.D
 Acq On : 17 Mar 2020 20:38
 Operator : SY/MD
 Sample : L1941-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB5

Manual Integrations
 APPROVED

apatel
 3/18/2020 3:04:46 PM

Quant Time: Mar 18 07:16:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 05:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327176	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331731	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82501	37.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.70%
7) Chloroethane-d5	1.58	69	64291	39.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.42%
11) 1,1-Dichloroethene-d2	2.12	63	105420	31.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.04%
21) 2-Butanone-d5	3.93	46	108187m	81.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.40%
24) Chloroform-d	4.38	84	193636	42.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.28%
26) 1,2-Dichloroethane-d4	5.06	65	131977	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.74%
32) Benzene-d6	5.08	84	401804	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.10	67	117641	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.46%
41) Toluene-d8	7.34	98	394706	43.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.34%
43) trans-1,3-Dichloropropene-	7.64	79	53674	37.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.20%
47) 2-Hexanone-d5	8.12	63	108098	88.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	172422	43.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	185020	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.77	101	28764	8.523	ug/L	99
25) Chloroform	4.41	83	9739	2.274	ug/L	93
33) Benzene	5.13	78	273269	30.273	ug/L	100
51) Chlorobenzene	8.90	112	1028473	147.038	ug/L	98
52) Ethylbenzene	9.04	91	8621	0.745	ug/L	97
54) o-xylene	9.57	106	10255	2.302	ug/L	94
62) 1,3-Dichlorobenzene	11.20	146	1091865	172.074	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	14022793	2193.862	ug/L	92
65) 1,2-Dichlorobenzene	11.67	146	4028384	635.554	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	1125976	253.929	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	214947	48.970	ug/L	99

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

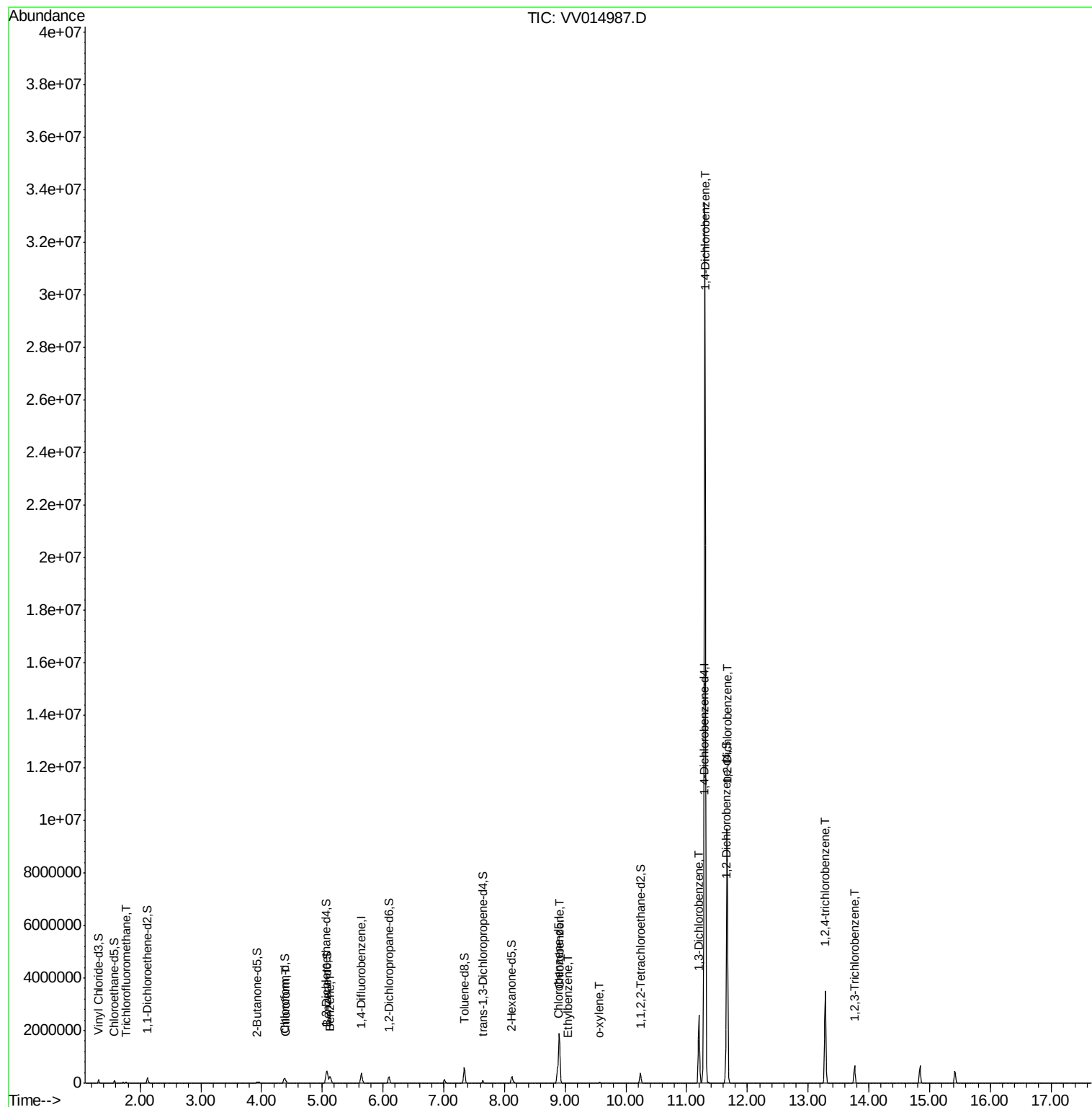
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV031720\
Data File : VV014987.D
Acq On : 17 Mar 2020 20:38
Operator : SY/MD
Sample : L1941-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

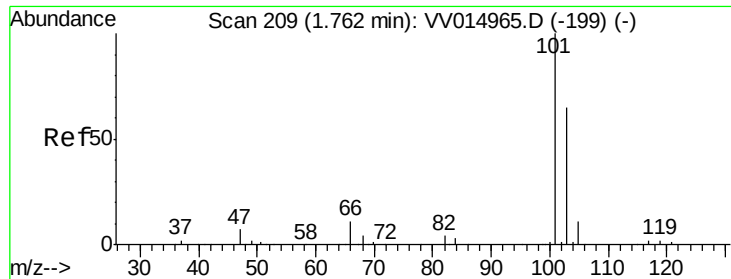
Instrument :
MSVOA_V
ClientSampleId :
C0DB5

Manual Integrations
APPROVED

apatel
3/18/2020 3:04:46 PM

Quant Time: Mar 18 07:16:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration





#9

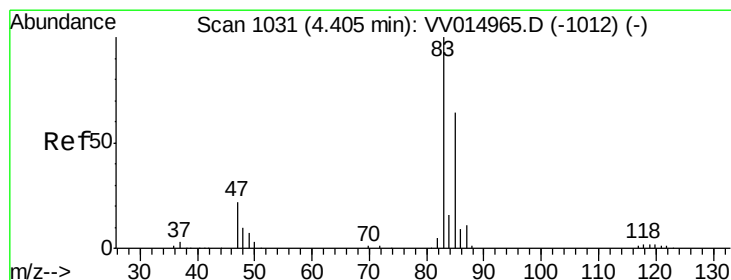
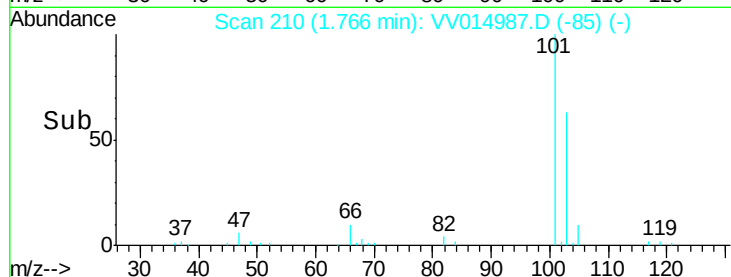
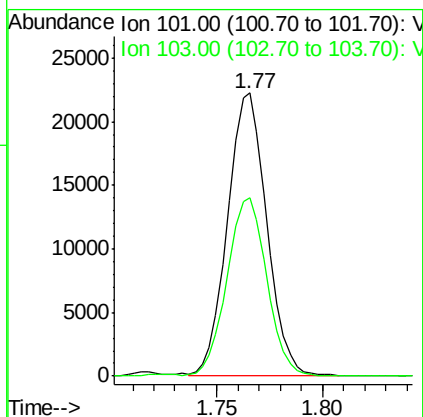
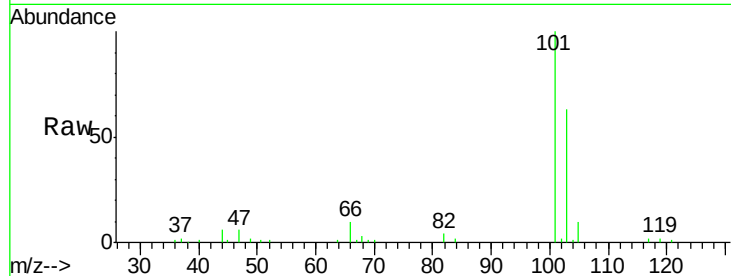
Trichlorofluoromethane
Concen: 8.523 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV014987.D
Acq: 17 Mar 2020 20:38

Instrument :
MSVOA_V
ClientSampled :
C0DB5

Tot Ion:101 Resp: 28764
Ion Ratio Lower Upper
101 100
103 63.8 51.9 77.9

Manual Integrations
APPROVED

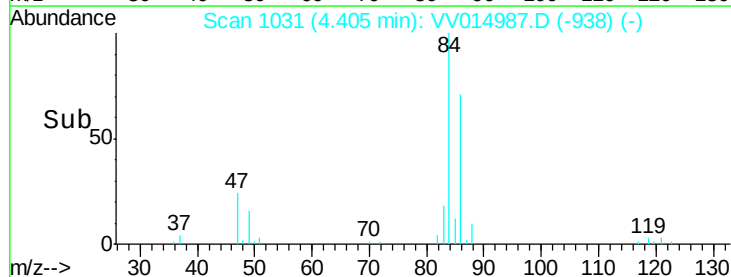
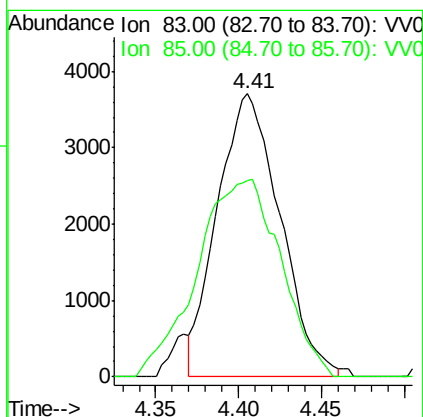
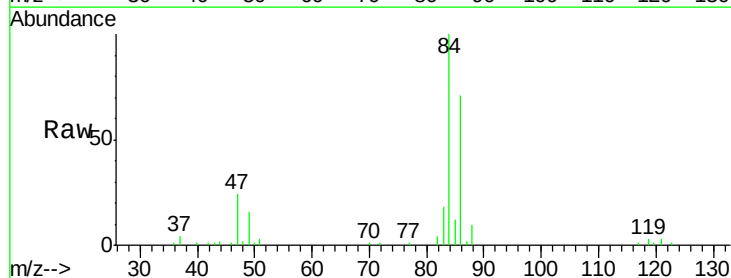
apatel
3/18/2020 3:04:46 PM

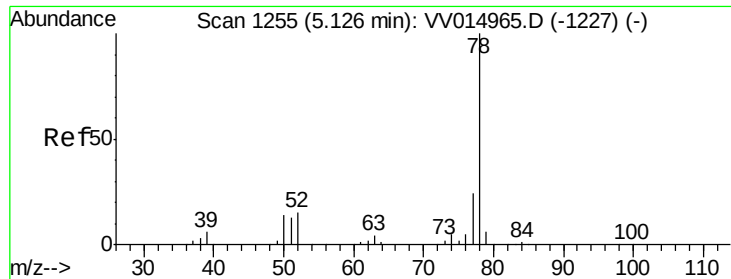


#25

Chloroform
Concen: 2.274 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014987.D
Acq: 17 Mar 2020 20:38

Tgt Ion: 83 Resp: 9739
Ion Ratio Lower Upper
83 100
85 69.3 44.6 82.8





#33

Benzene

Concen: 30.273 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

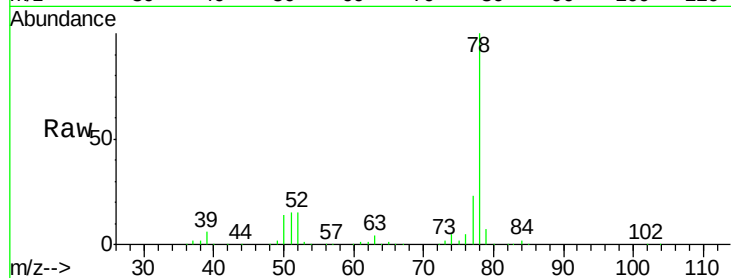
ClientSampleId :

C0DB5

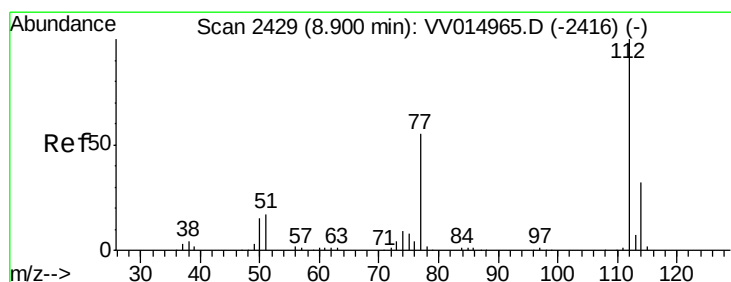
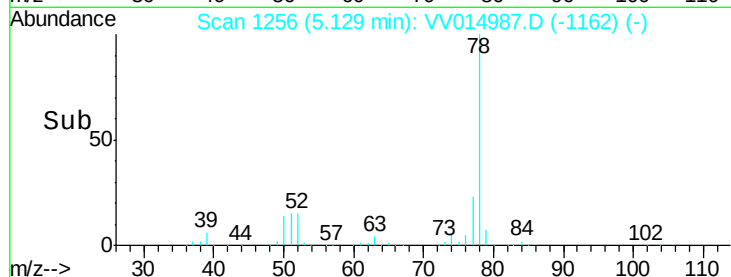
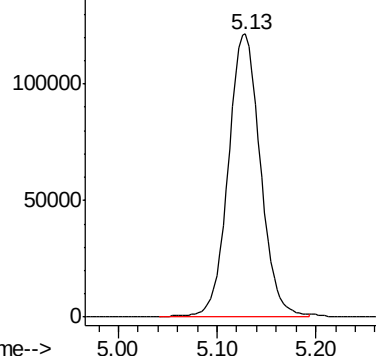
Tgt Ion: 78 Resp: 273269

Manual Integrations
APPROVED

apatel
3/18/2020 3:04:46 PM



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 147.038 ug/L

RT: 8.90 min Scan# 2430

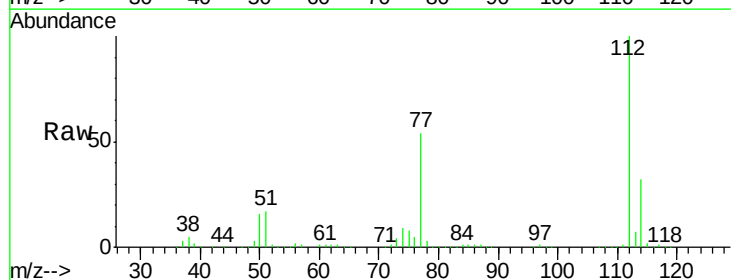
Delta R.T. 0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Tgt Ion: 112 Resp: 1028473

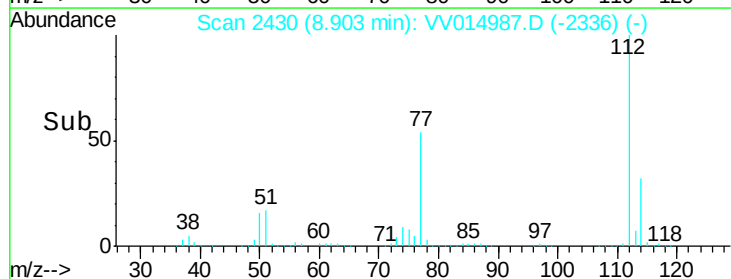
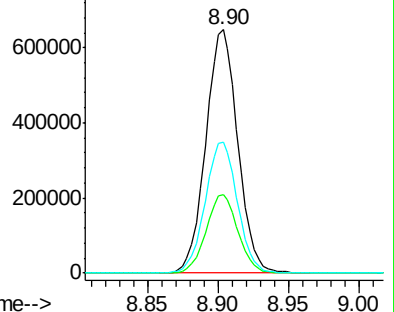
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.8	42.4
77	54.0	44.5	66.7

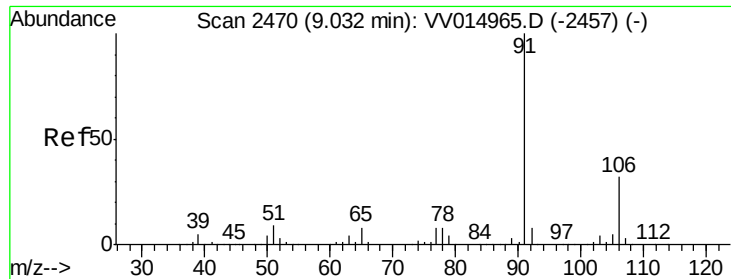


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





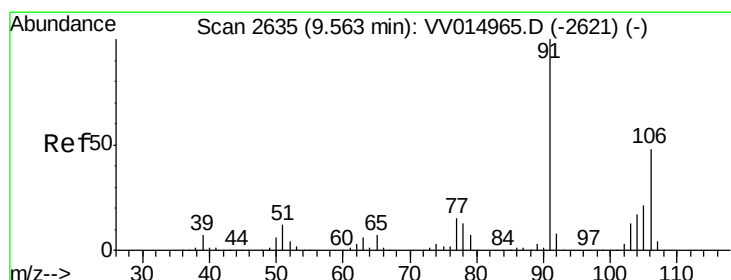
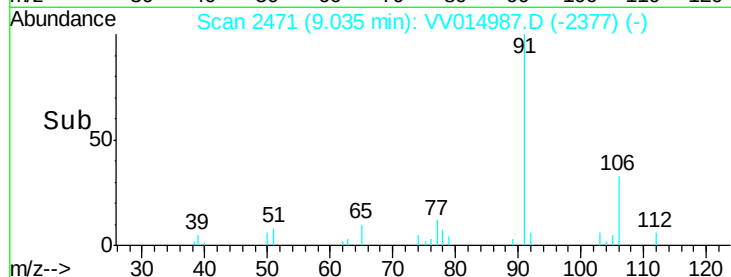
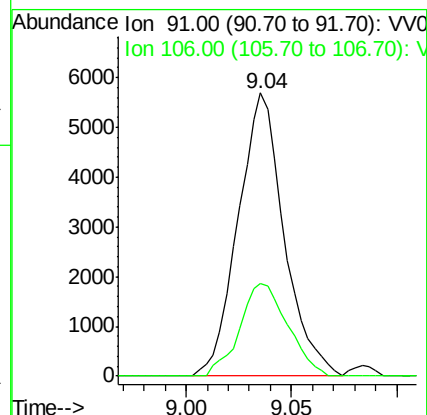
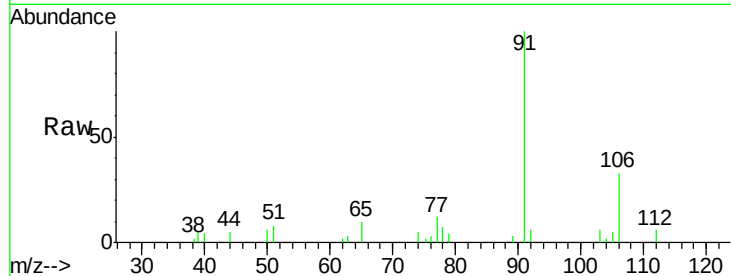
#52
Ethylbenzene
Concen: 0.745 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV014987.D
Acq: 17 Mar 2020 20:38

Instrument :
MSVOA_V
ClientSampled :
C0DB5

Tot Ion: 91 Resp: 8621
Ion Ratio Lower Upper
91 100
106 32.9 21.9 40.7

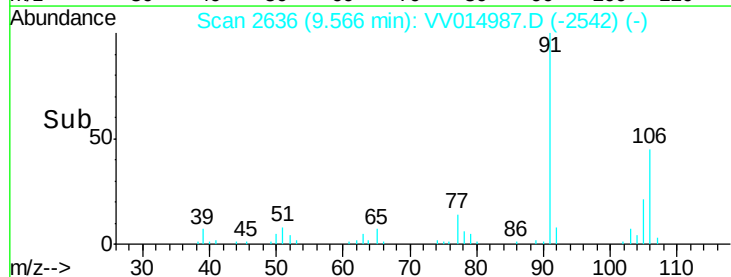
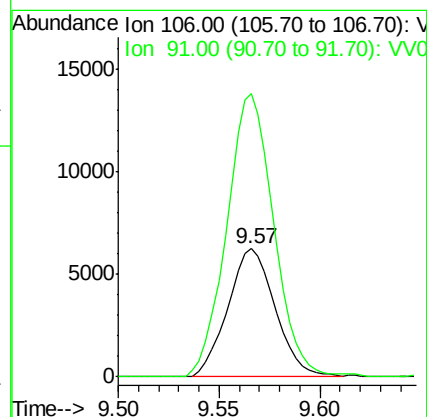
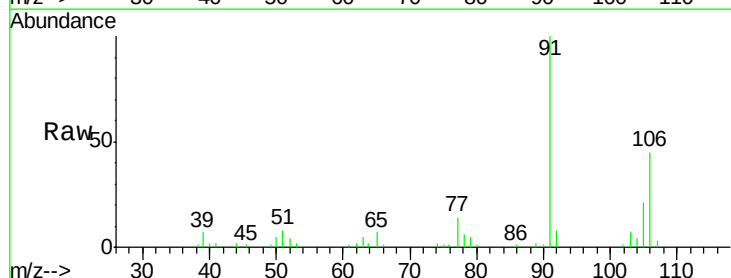
Manual Integrations
APPROVED

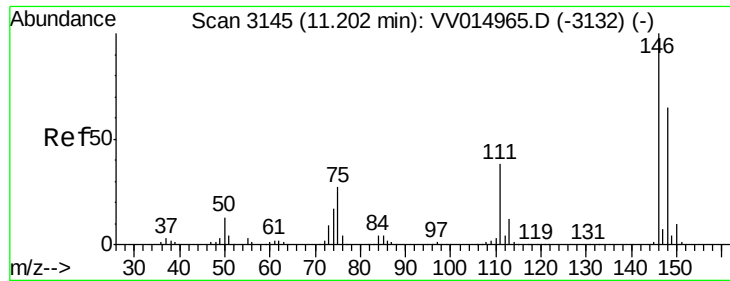
apatel
3/18/2020 3:04:46 PM



#54
o-xylene
Concen: 2.302 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV014987.D
Acq: 17 Mar 2020 20:38

Tgt Ion: 106 Resp: 10255
Ion Ratio Lower Upper
106 100
91 220.6 147.9 274.7





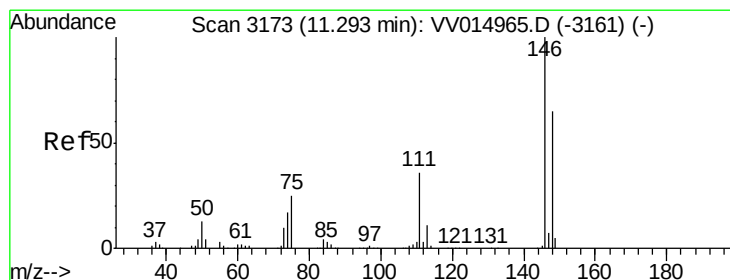
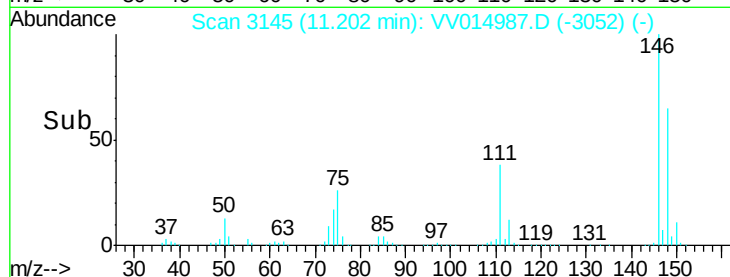
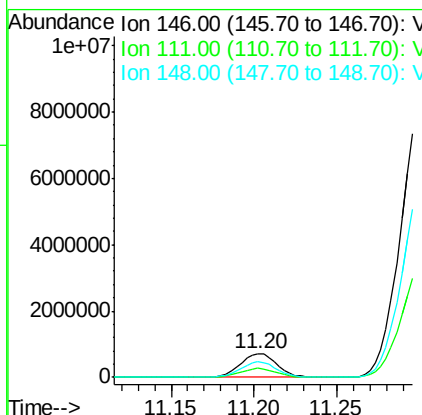
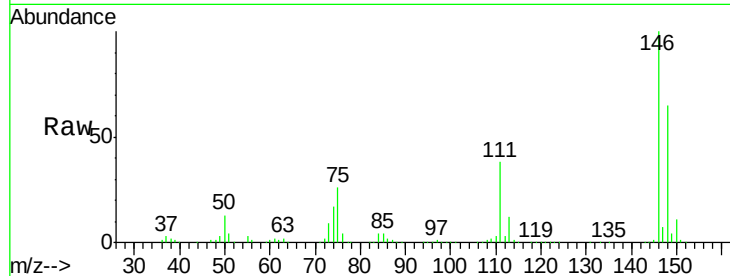
#62
 1,3-Dichlorobenzene
 Concen: 172.074 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

Instrument :
 MSVOA_V
 ClientSampled :
 C0DB5

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.5	49.3
148	64.6	45.4	84.2

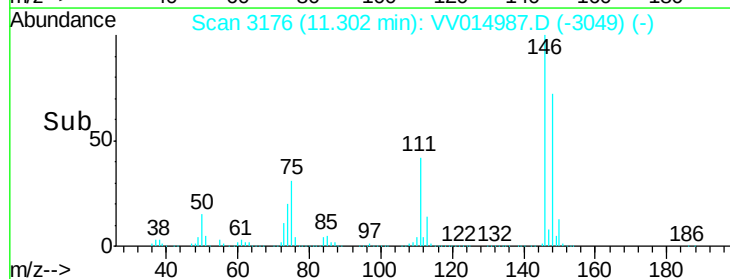
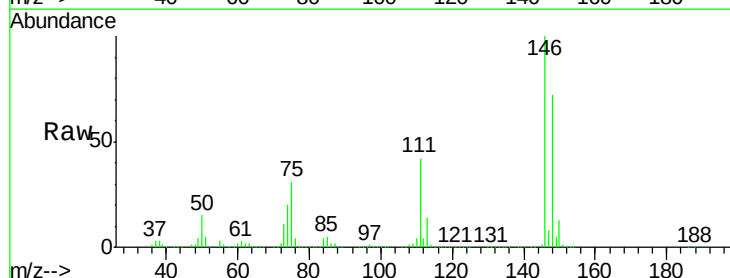
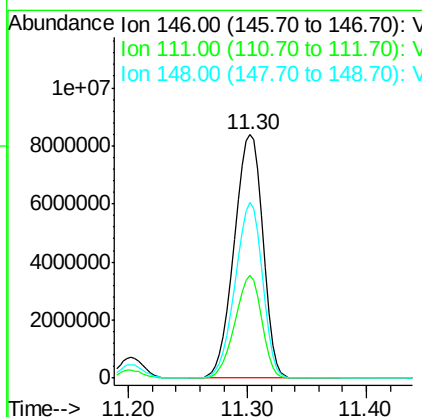
Manual Integrations
 APPROVED

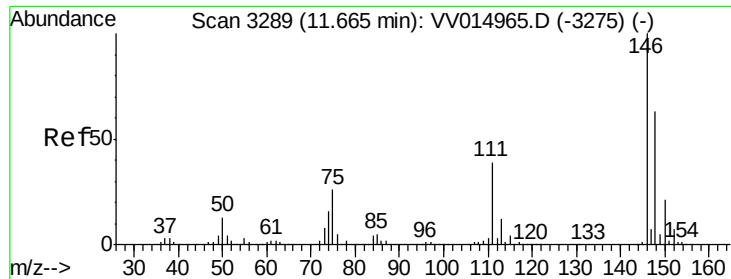
apatel
 3/18/2020 3:04:46 PM



#63
 1,4-Dichlorobenzene
 Concen: 2193.862 ug/L
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.01 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	26.0	48.2
148	72.2	46.1	85.5





#65

1,2-Dichlorobenzene

Concen: 635.554 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

Instrument :

MSVOA_V

ClientSampled :

C0DB5

Tot Ion:146 Resp: 4028384

Ion Ratio Lower Upper

146 100

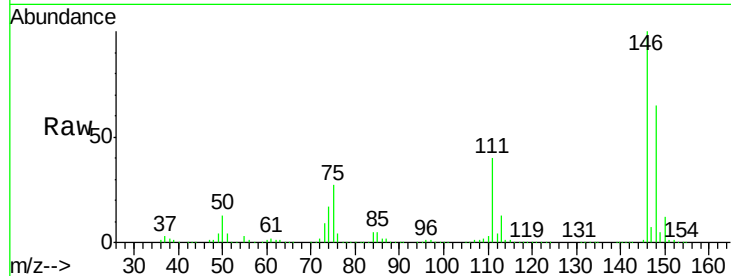
111 39.8 31.6 47.4

148 64.6 52.2 78.4

Manual Integrations
APPROVED

apatel

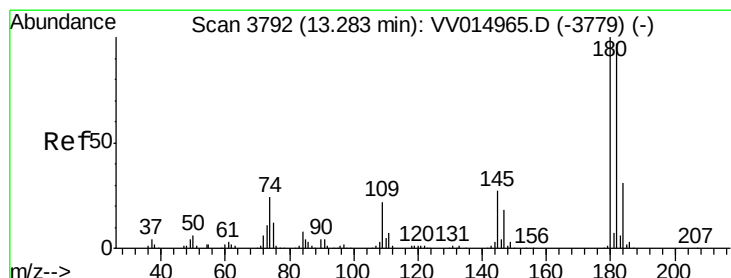
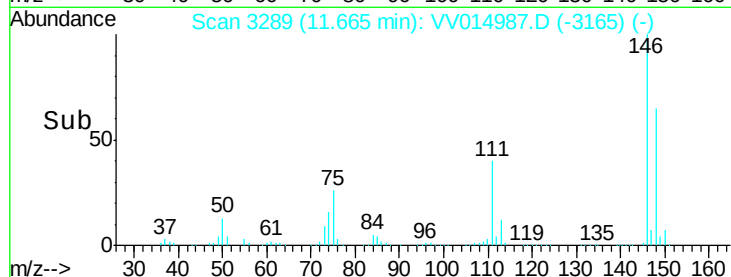
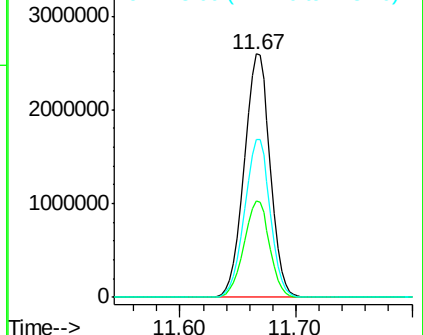
3/18/2020 3:04:46 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 253.929 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV014987.D

Acq: 17 Mar 2020 20:38

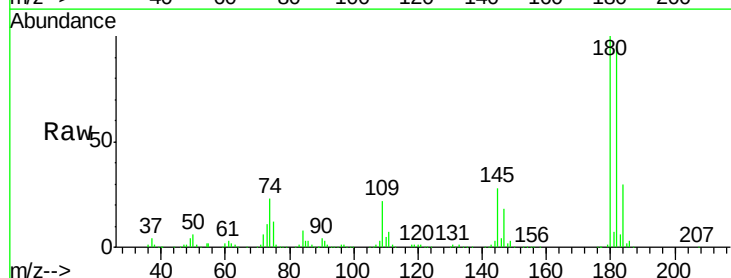
Tgt Ion:180 Resp: 1125976

Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

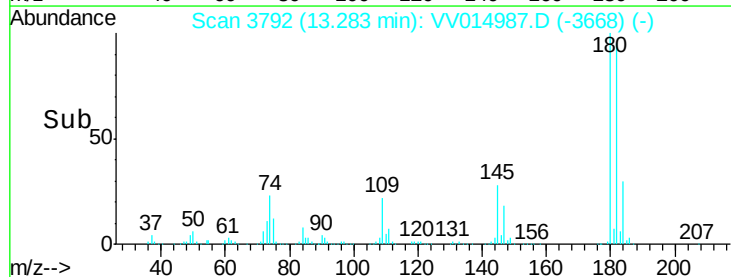
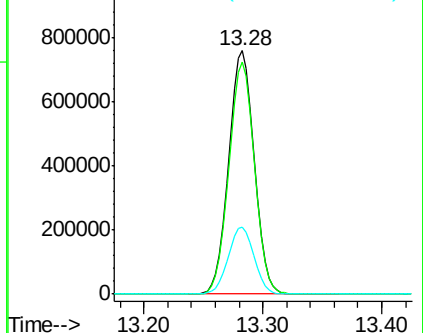
145 27.9 23.1 34.7

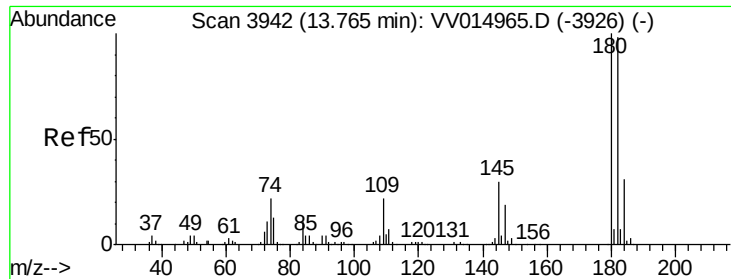


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 48.970 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014987.D
 Acq: 17 Mar 2020 20:38

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	214947		
182	96.0		76.2	114.4
145	30.2		24.1	36.1

Manual Integrations
 APPROVED

apatel
 3/18/2020 3:04:46 PM

