

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018523.D
 Acq On : 29 Sep 2020 17:53
 Operator : SY/MD
 Sample : L4109-18
 Misc : 5.92g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y9

Quant Time: Sep 30 03:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:47:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	461098	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	451129	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	242845	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	164691	60.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.80%
7) Chloroethane-d5	1.58	69	109160	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.64%
11) 1,1-Dichloroethene-d2	2.10	63	231971	42.10	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.20%
21) 2-Butanone-d5	3.92	46	215365	106.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.77%
24) Chloroform-d	4.37	84	349157	59.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.42%
26) 1,2-Dichloroethane-d4	5.05	65	240478	64.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	129.56%#
32) Benzene-d6	5.07	84	728885	63.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	127.58%#
36) 1,2-Dichloropropane-d6	6.09	67	226462	65.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.18%#
41) Toluene-d8	7.34	98	694125	64.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	129.14%#
43) trans-1,3-Dichloropropene-	7.64	79	122889	65.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	131.78%#
47) 2-Hexanone-d5	8.14	63	192490	146.78	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	146.78%#
57) 1,1,2,2-Tetrachloroethane-	10.25	84	304046	66.42	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	132.84%#
64) 1,2-Dichlorobenzene-d4	11.65	152	306999	65.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	131.46%#

Target Compounds

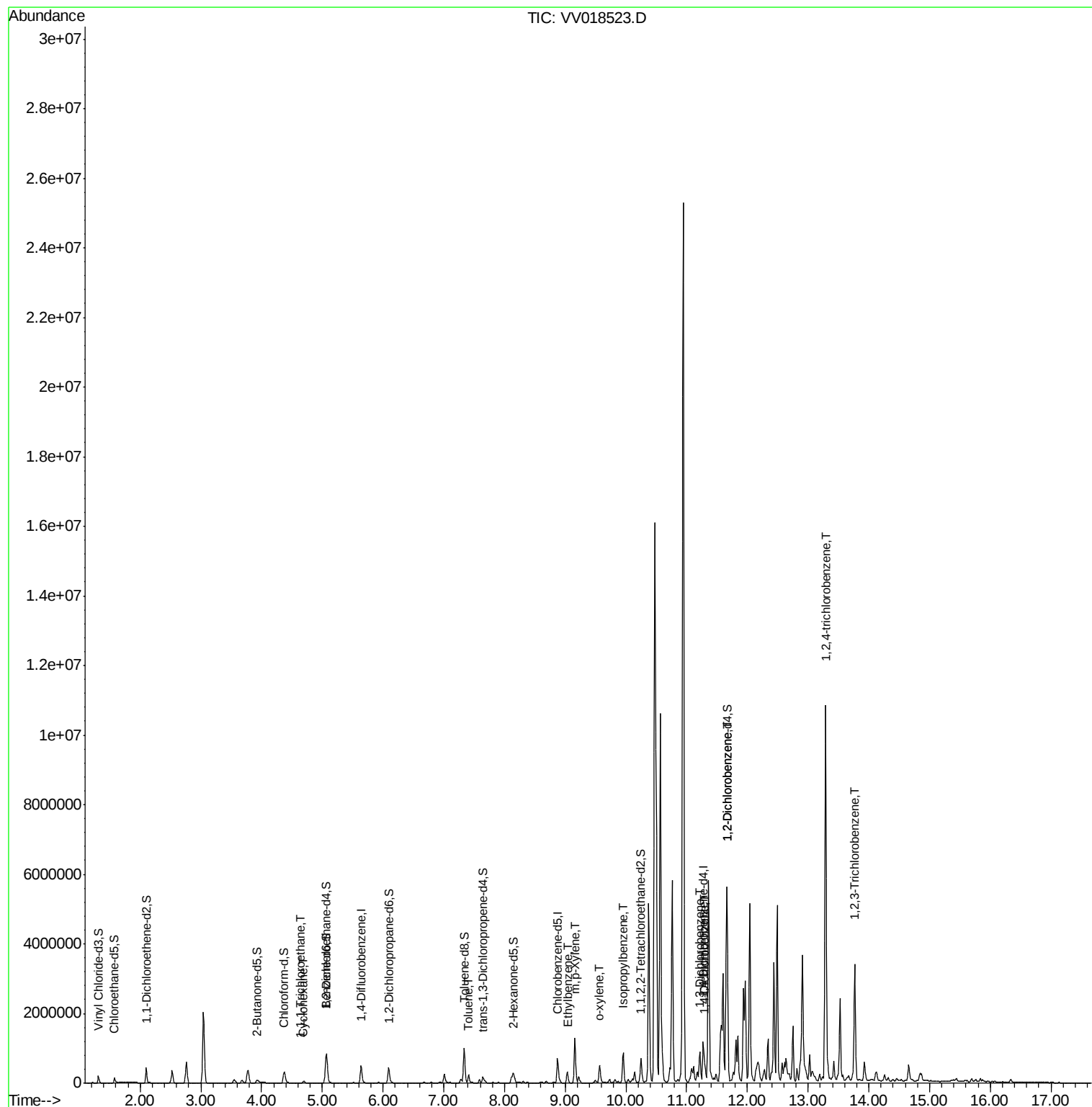
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.69	56	27762	5.396	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	4875	0.870	ug/L	92
42) Toluene	7.41	91	185448	12.934	ug/L	99
52) Ethylbenzene	9.04	91	228855	14.293	ug/L	100
53) m,p-Xylene	9.16	106	394291	63.719	ug/L	98
54) o-xylene	9.57	106	145093	24.766	ug/L	98
56) Isopropylbenzene	9.95	105	583279	37.123	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	65502	8.334	ug/L	91
63) 1,4-Dichlorobenzene	11.30	146	163383	20.188	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	116530	14.988	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	2985543	589.346	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	987876	194.256	ug/L	99

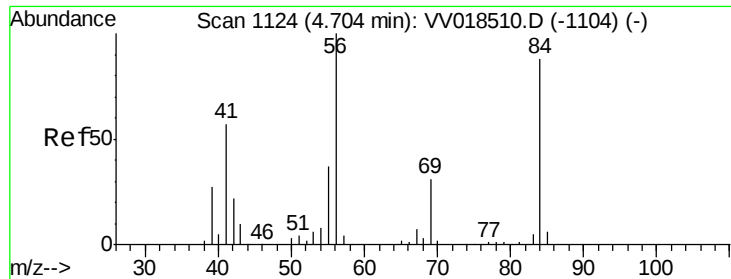
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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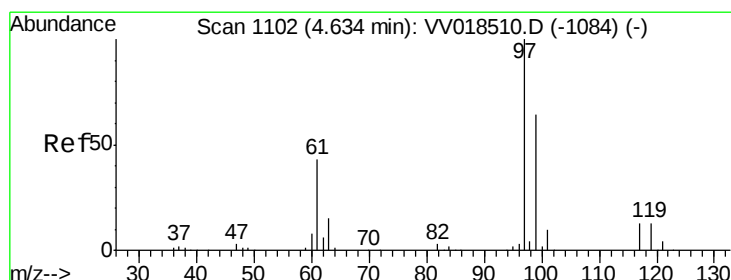
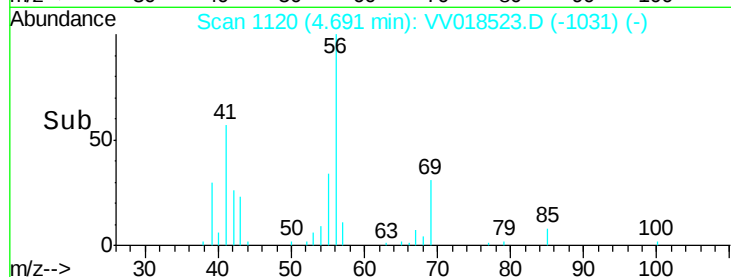
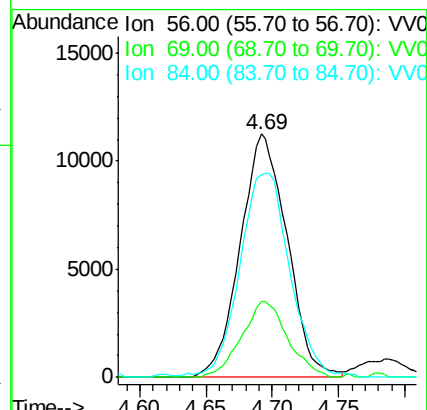
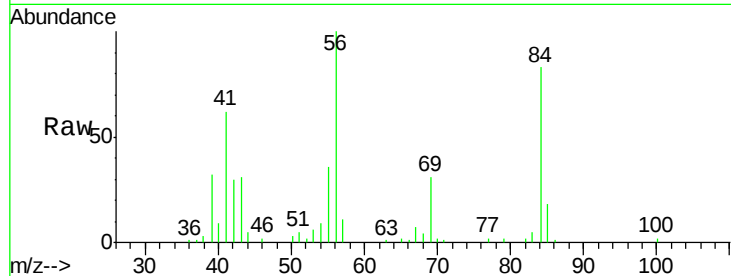




#29
Cvclohexane
Concen: 5.396 ug/L
RT: 4.69 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VV018523.D
Acq: 29 Sep 2020 17:53

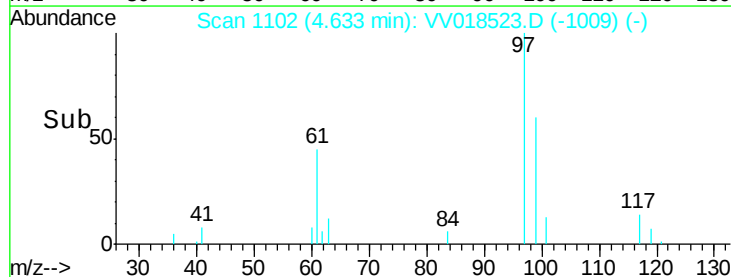
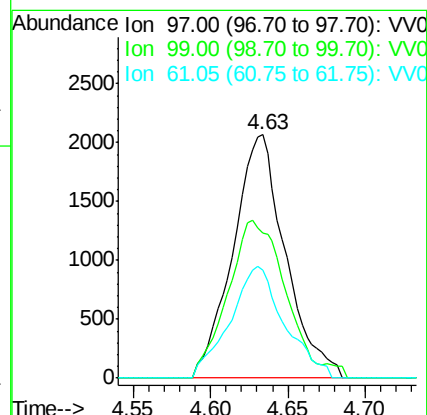
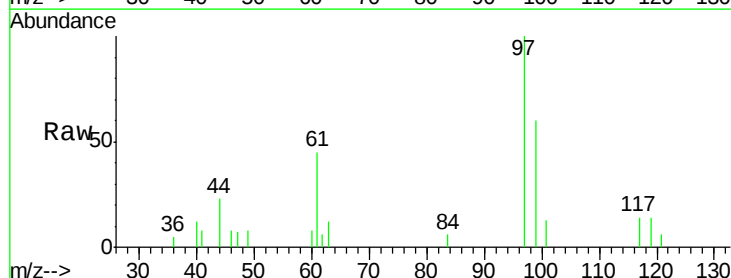
Instrument :
MSVOA_V
ClientSampleId :
BG3Y9

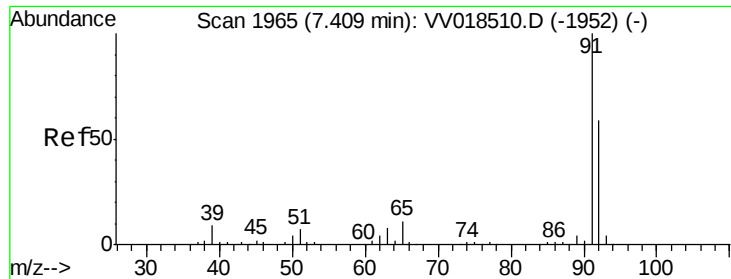
Tot Ion: 56 Resp: 27762
Ion Ratio Lower Upper
56 100
69 30.5 24.8 37.2
84 86.3 72.2 108.4



#30
1,1,1-Trichloroethane
Concen: 0.870 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018523.D
Acq: 29 Sep 2020 17:53

Tgt Ion: 97 Resp: 4875
Ion Ratio Lower Upper
97 100
99 70.3 51.4 77.0
61 47.3 33.9 50.9





#42

Toluene

Concen: 12.934 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018523.D

Acq: 29 Sep 2020 17:53

Instrument :

MSVOA_V

ClientSampled :

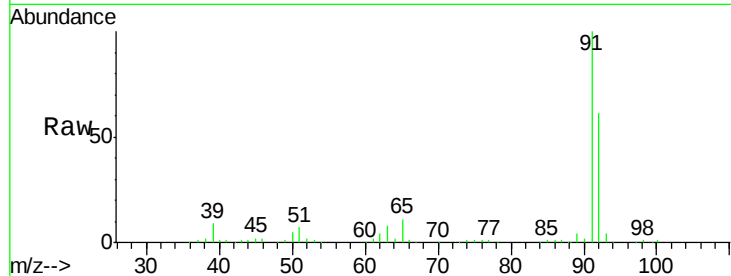
BG3Y9

Tot Ion: 91 Resp: 185448

Ion Ratio Lower Upper

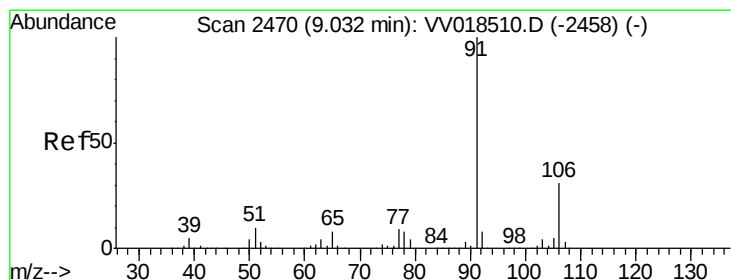
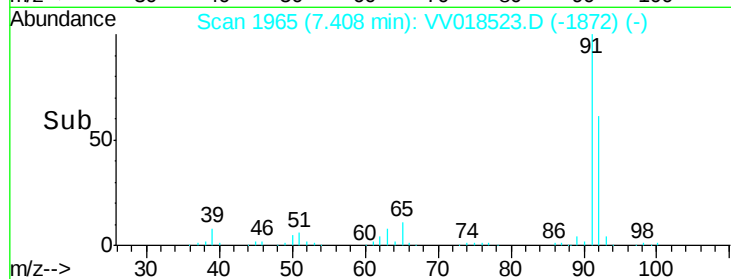
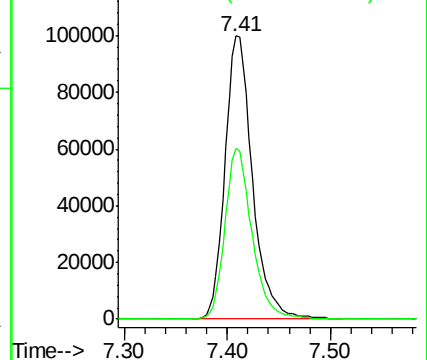
91 100

92 60.5 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#52

Ethylbenzene

Concen: 14.293 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018523.D

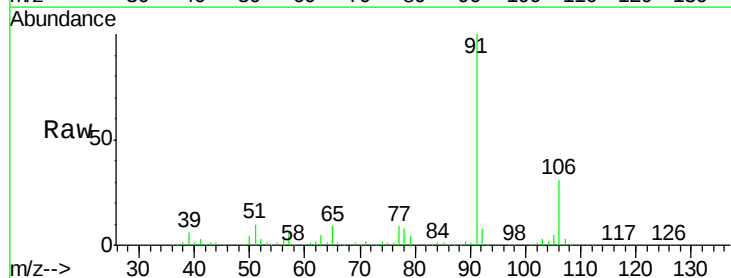
Acq: 29 Sep 2020 17:53

Tgt Ion: 91 Resp: 228855

Ion Ratio Lower Upper

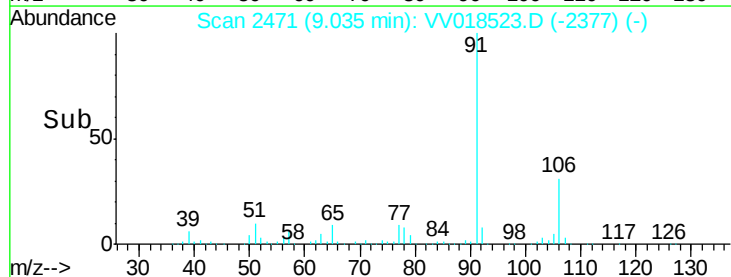
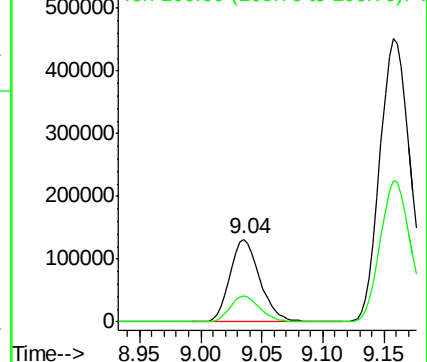
91 100

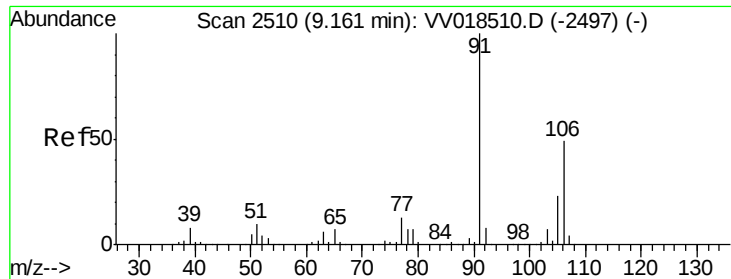
106 31.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 63.719 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018523.D

Acq: 29 Sep 2020 17:53

Instrument :

MSVOA_V

ClientSampled :

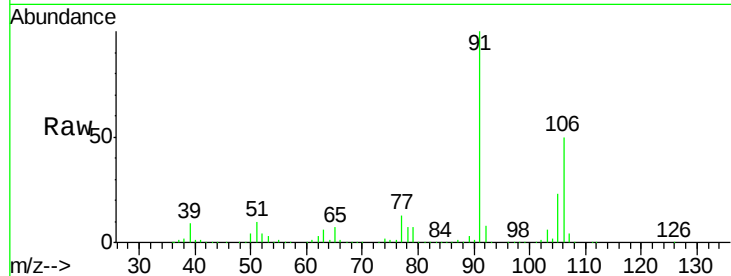
BG3Y9

Tot Ion:106 Resp: 394291

Ion Ratio Lower Upper

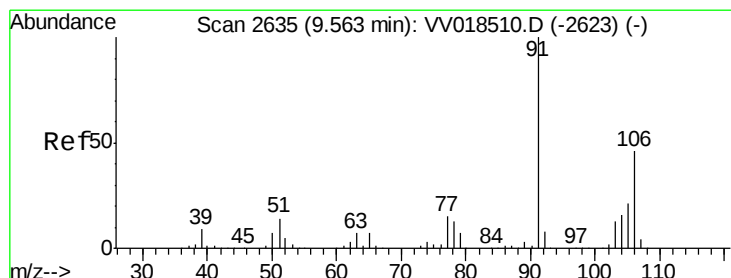
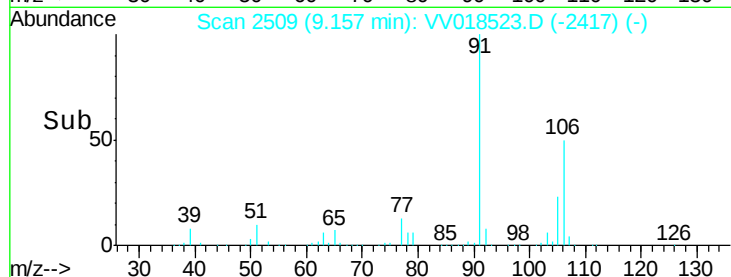
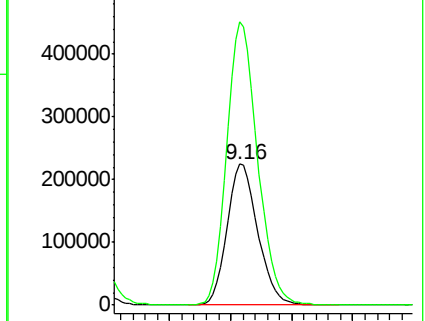
106 100

91 200.6 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 24.766 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018523.D

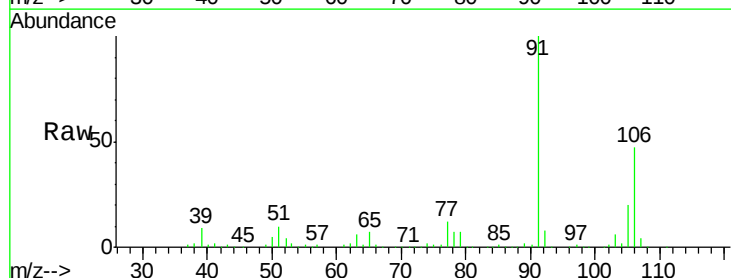
Acq: 29 Sep 2020 17:53

Tgt Ion:106 Resp: 145093

Ion Ratio Lower Upper

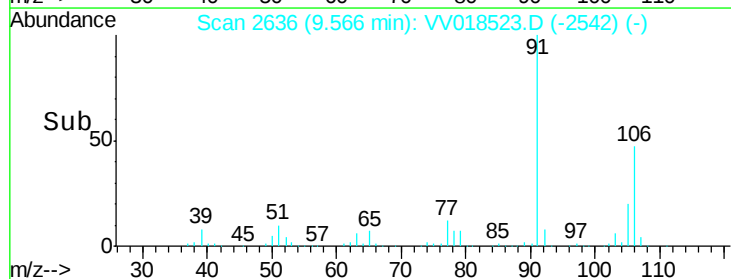
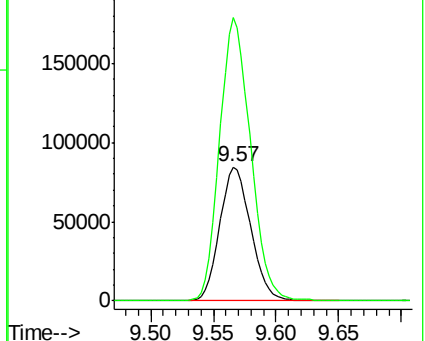
106 100

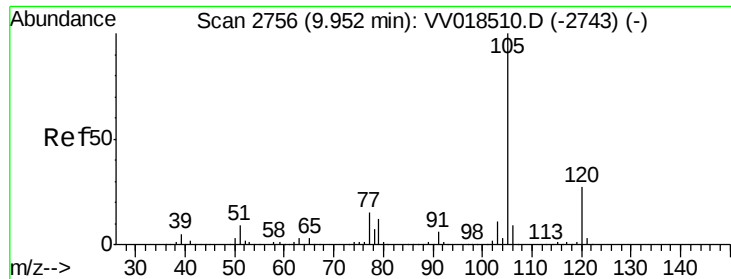
91 211.8 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 37.123 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018523.D

Acq: 29 Sep 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

BG3Y9

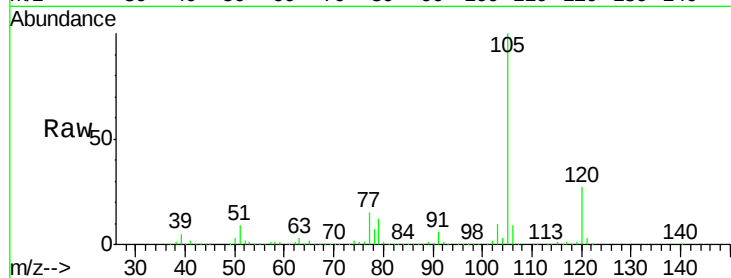
Tot Ion:105 Resp: 583279

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

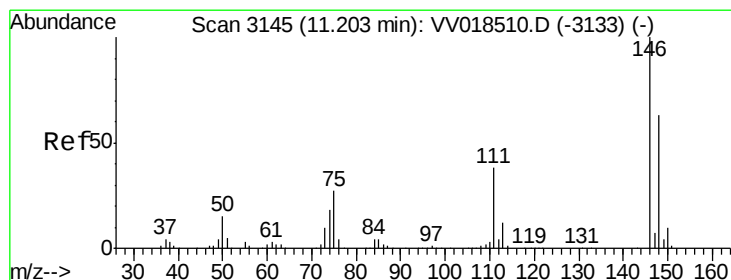
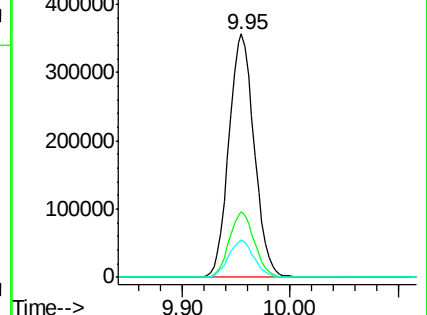
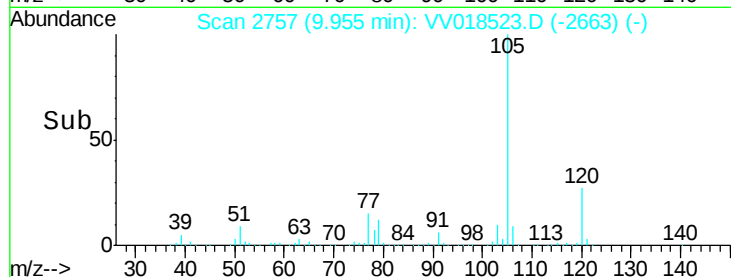
77 15.4 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 8.334 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV018523.D

Acq: 29 Sep 2020 17:53

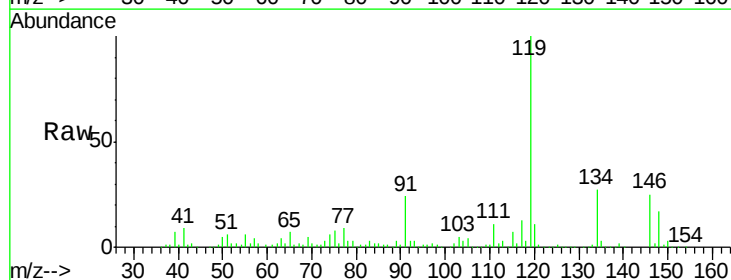
Tgt Ion:146 Resp: 65502

Ion Ratio Lower Upper

146 100

111 46.5 26.8 49.8

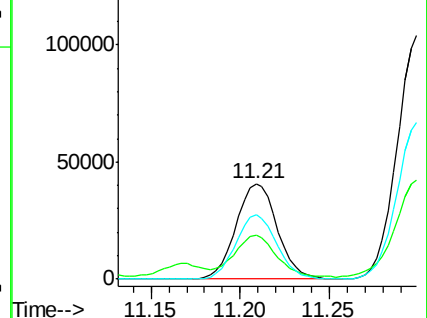
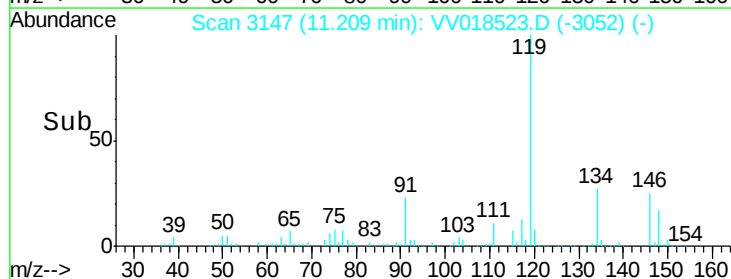
148 67.9 44.0 81.8

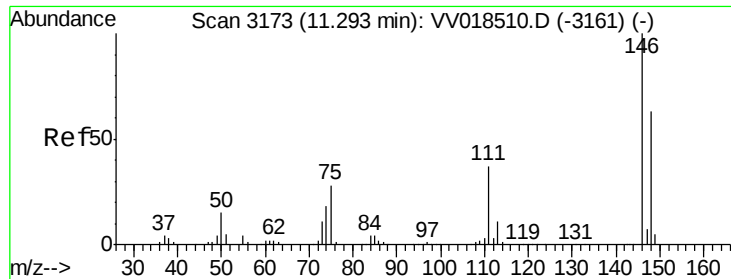


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

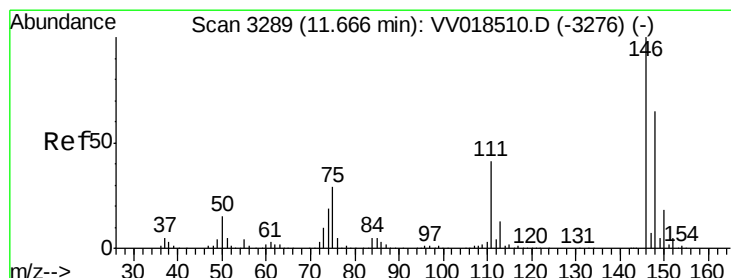
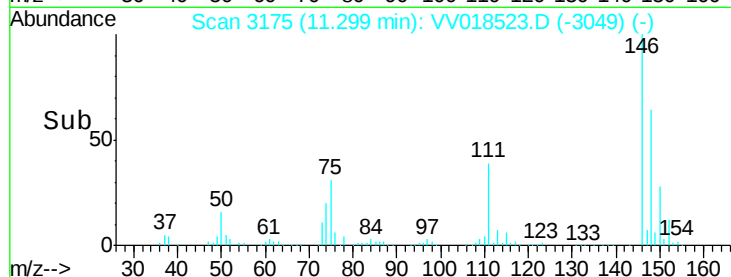
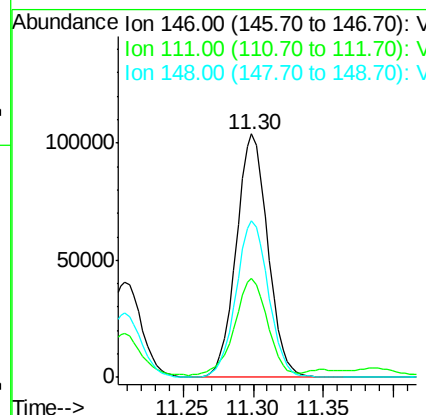
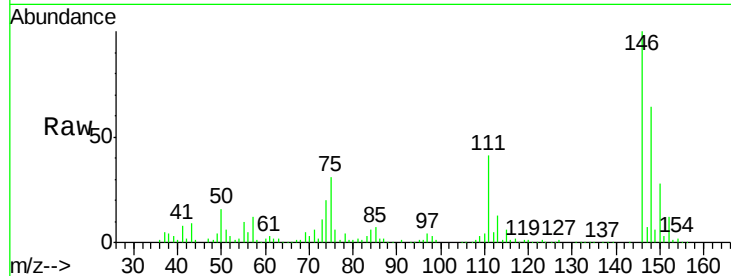




#63
 1,4-Dichlorobenzene
 Concen: 20.188 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.01 min
 Lab File: VV018523.D
 Acq: 29 Sep 2020 17:53

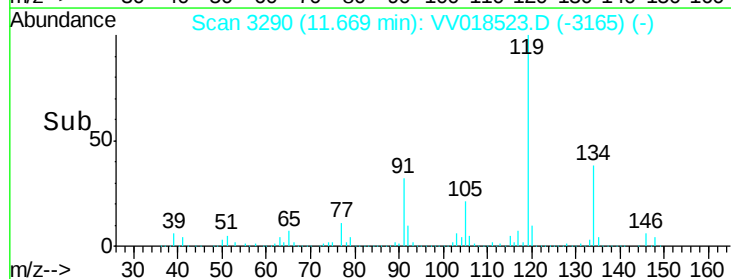
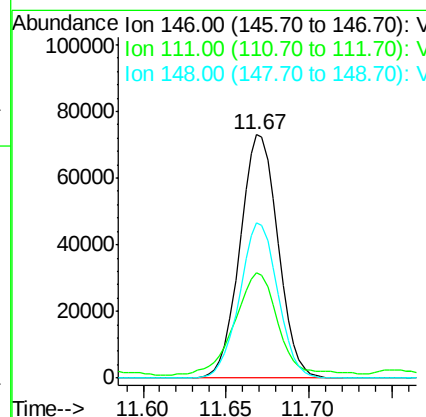
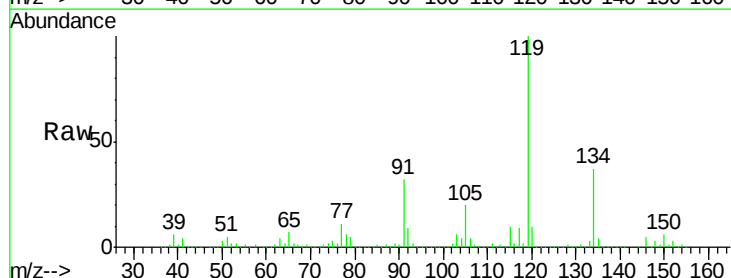
Instrument :
 MSVOA_V
 ClientSampled :
 BG3Y9

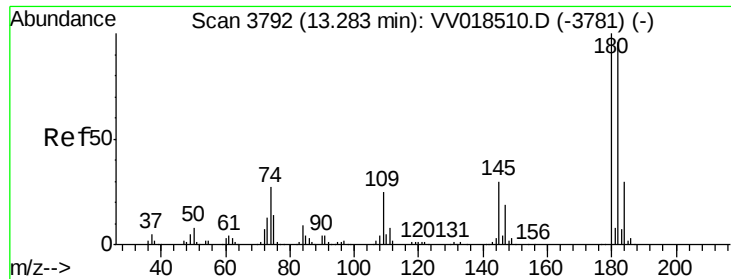
Tot Ion:146 Resp: 163383
 Ion Ratio Lower Upper
 146 100
 111 40.5 26.2 48.6
 148 64.4 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 14.988 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV018523.D
 Acq: 29 Sep 2020 17:53

Tgt Ion:146 Resp: 116530
 Ion Ratio Lower Upper
 146 100
 111 43.0 32.8 49.2
 148 63.9 51.9 77.9

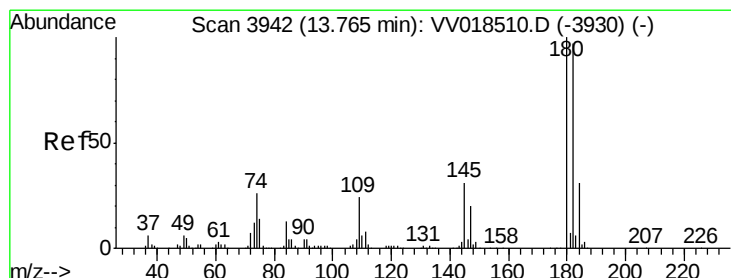
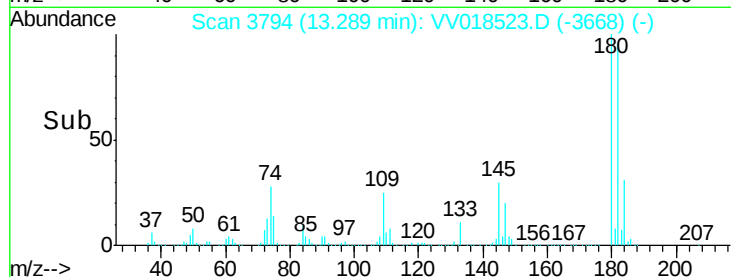
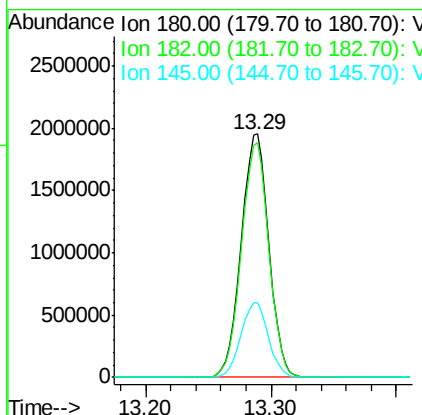
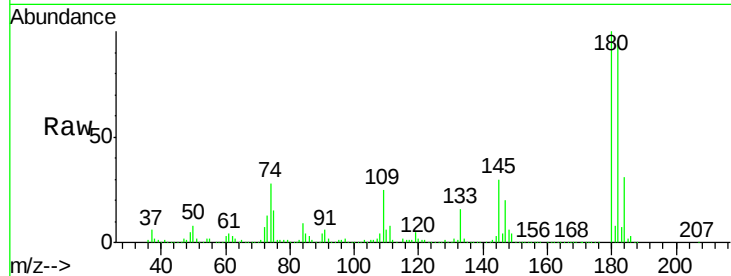




#68
 1,2,4-trichlorobenzene
 Concen: 589.346 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018523.D
 Acq: 29 Sep 2020 17:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y9

Tot Ion:180 Resp: 2985543
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 145 30.4 23.6 35.4



#70
 1,2,3-Trichlorobenzene
 Concen: 194.256 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018523.D
 Acq: 29 Sep 2020 17:53

Tgt Ion:180 Resp: 987876
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.1 115.7
 145 33.3 25.1 37.7

