

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018525.D
 Acq On : 29 Sep 2020 18:41
 Operator : SY/MD
 Sample : L4171-05ME
 Misc : 6.13g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y7ME

Quant Time: Sep 30 04:19:16 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	442827	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	433488	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	231401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	111136	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.58	69	84603	39.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	2.10	63	152714	28.86	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.72%#
21) 2-Butanone-d5	3.93	46	138232	71.36	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.36%
24) Chloroform-d	4.37	84	232684	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.86%
26) 1,2-Dichloroethane-d4	5.05	65	161096	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
32) Benzene-d6	5.07	84	495141	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.18%
36) 1,2-Dichloropropane-d6	6.09	67	159834	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.34	98	471095	45.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.22%
43) trans-1,3-Dichloropropene-	7.65	79	77879	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.90%
47) 2-Hexanone-d5	8.14	63	122304	97.06	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.06%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	198620	45.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	206694	46.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.90%

Target Compounds

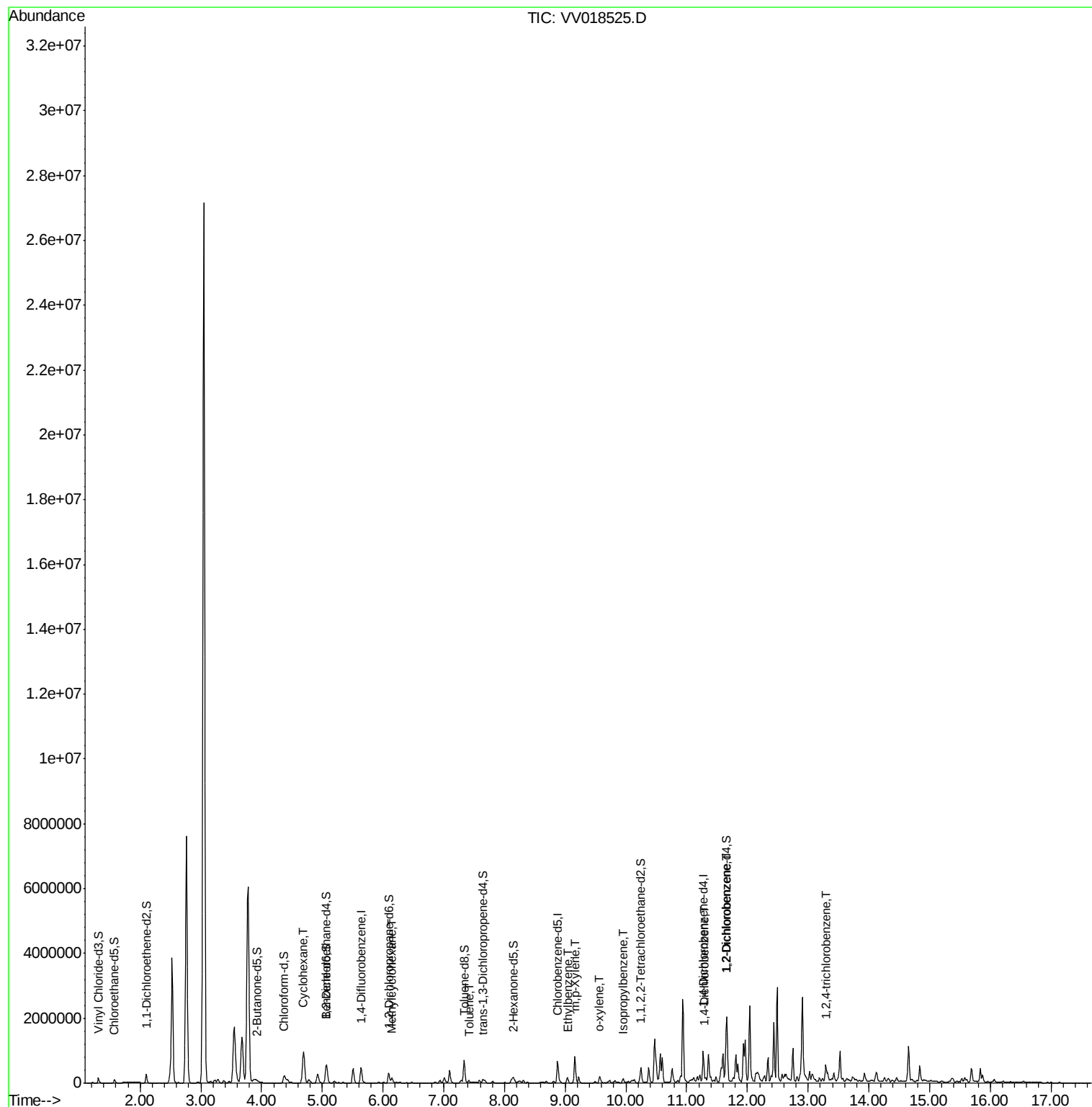
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.69	56	477440	96.569	ug/L	94
35) Methylcyclohexane	6.15	83	66879	13.409	ug/L	95
42) Toluene	7.41	91	56139	4.075	ug/L	100
52) Ethylbenzene	9.04	91	131755	8.563	ug/L	100
53) m,p-Xylene	9.16	106	250463	42.123	ug/L	98
54) o-xylene	9.57	106	58402	10.374	ug/L	99
56) Isopropylbenzene	9.95	105	94137	6.235	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	10879	1.411	ug/L #	71
65) 1,2-Dichlorobenzene	11.67	146	12319	1.663	ug/L #	85
68) 1,2,4-trichlorobenzene	13.29	180	8890	1.842	ug/L #	63

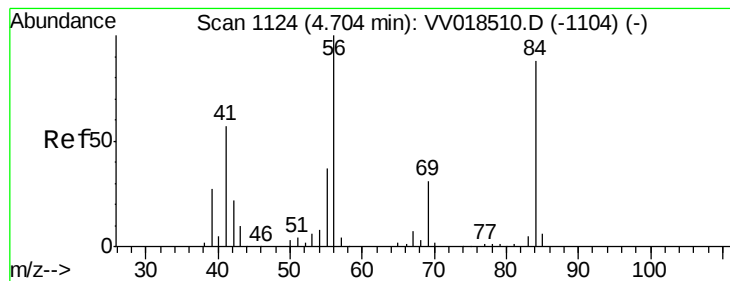
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Sep 30 01:47:57 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 96.569 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

Instrument :

MSVOA_V

ClientSampleId :

BG3Y7ME

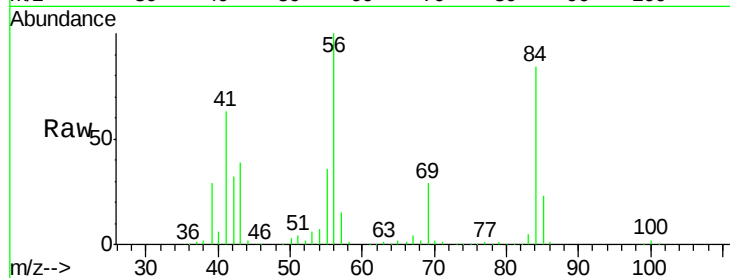
Tot Ion: 56 Resp: 477440

Ion Ratio Lower Upper

56 100

69 28.3 24.8 37.2

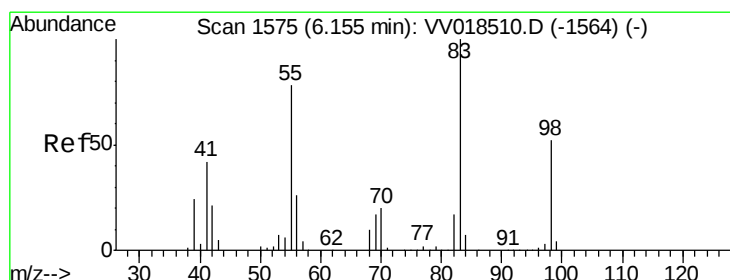
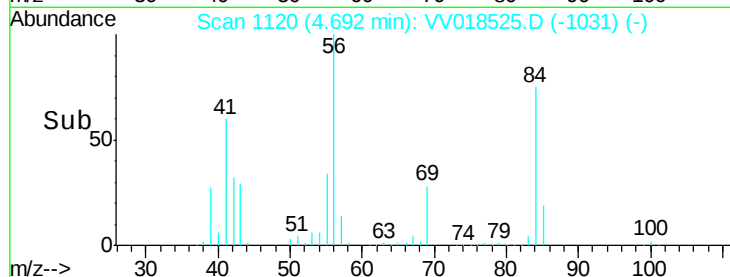
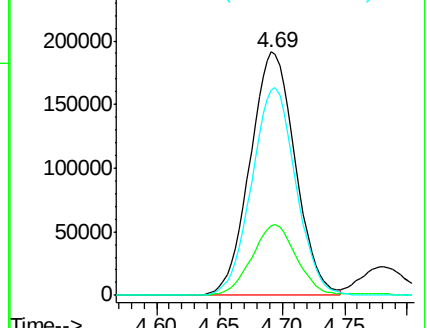
84 83.8 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV018510.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018510.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018510.D (-1104) (-)



#35

Methylcyclohexane

Concen: 13.409 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

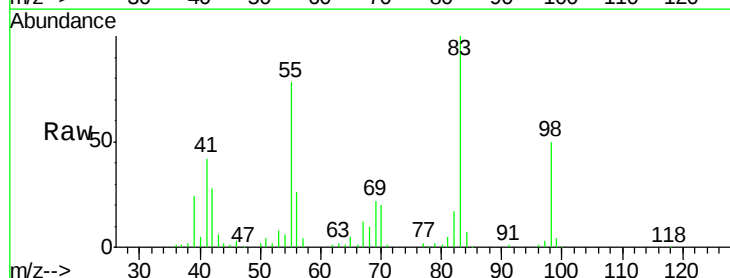
Tgt Ion: 83 Resp: 66879

Ion Ratio Lower Upper

83 100

55 79.8 60.1 90.1

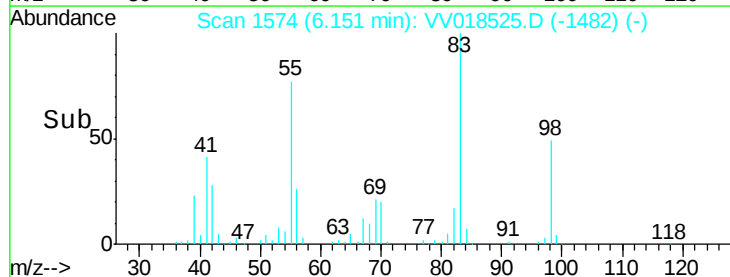
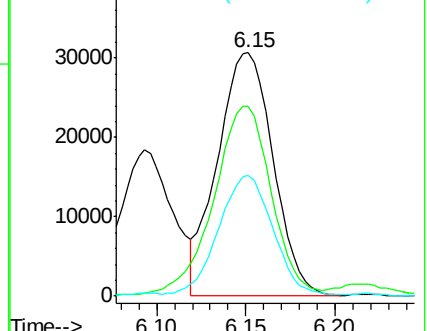
98 48.1 40.2 60.4

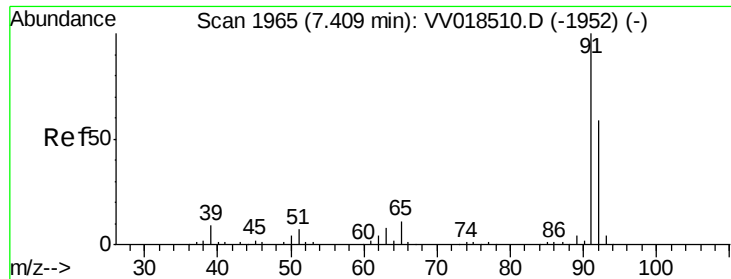


Abundance Ion 83.00 (82.70 to 83.70): VV018510.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV018510.D (-1564) (-)

Ion 98.00 (97.70 to 98.70): VV018510.D (-1564) (-)





#42

Toluene

Concen: 4.075 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

Instrument :

MSVOA_V

ClientSampleId :

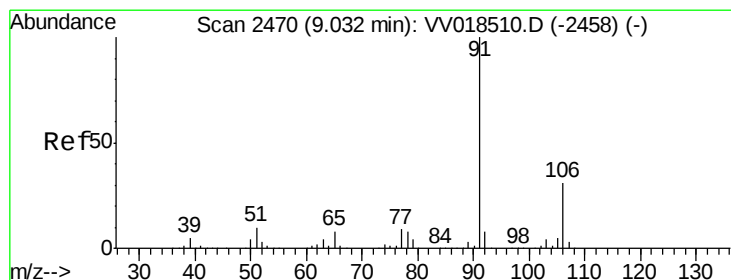
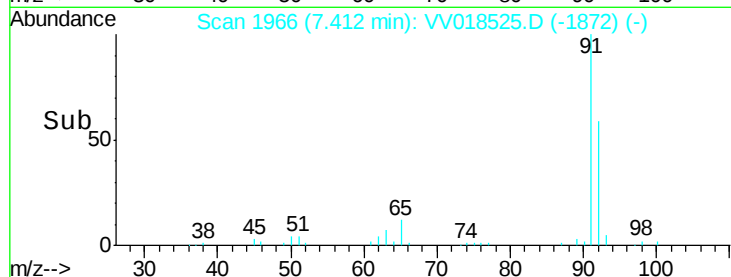
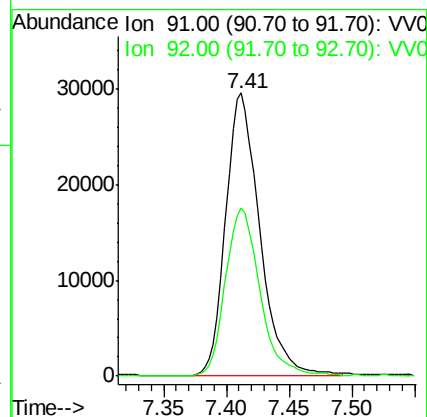
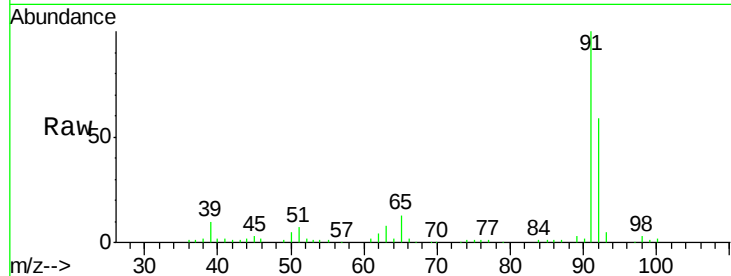
BG3Y7ME

Tot Ion: 91 Resp: 56139

Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.3



#52

Ethylbenzene

Concen: 8.563 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018525.D

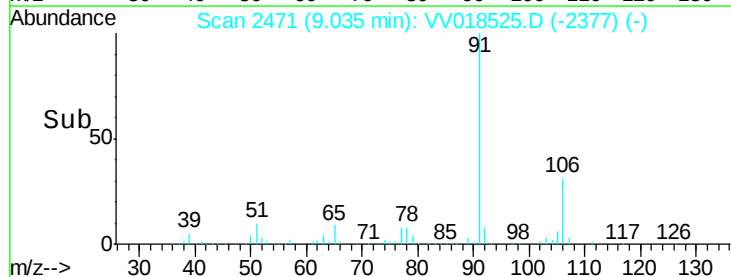
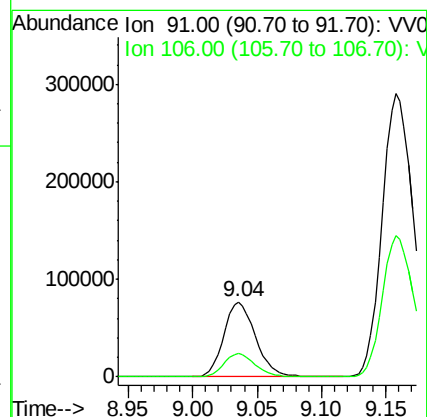
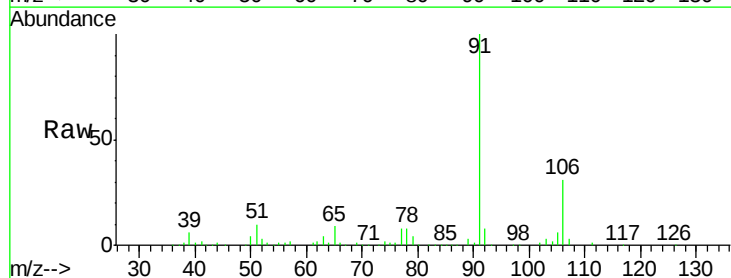
Acq: 29 Sep 2020 18:41

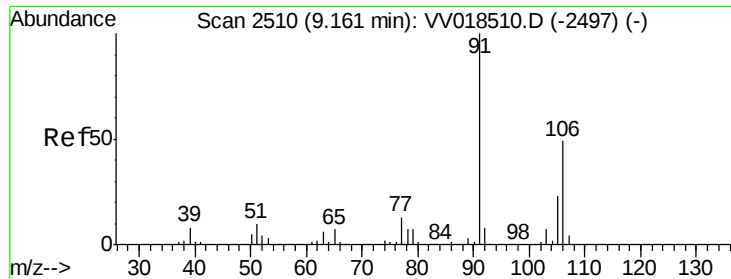
Tgt Ion: 91 Resp: 131755

Ion Ratio Lower Upper

91 100

106 31.0 21.9 40.7

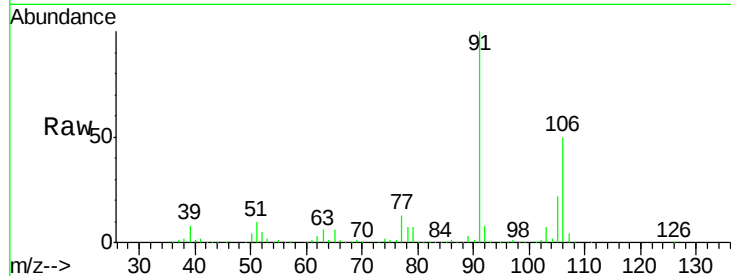




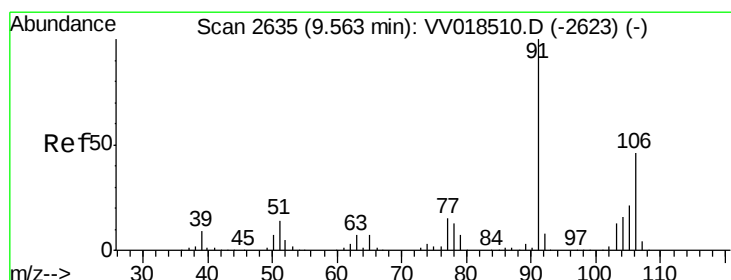
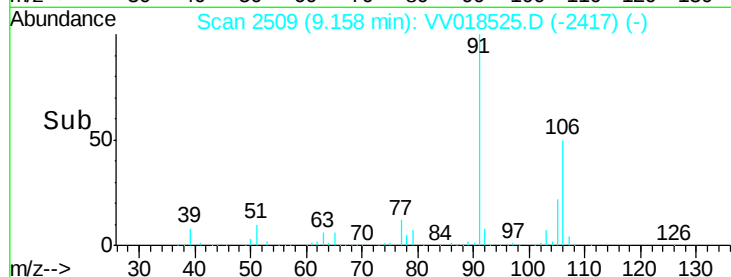
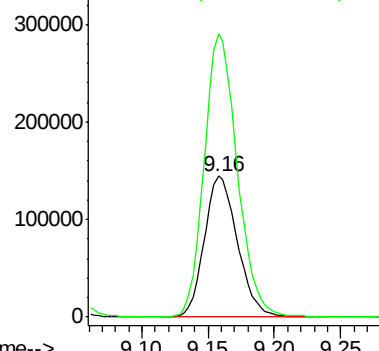
#53
m,p-Xylene
Concen: 42.123 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018525.D
Acq: 29 Sep 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BG3Y7ME

Tot Ion:106 Resp: 250463
Ion Ratio Lower Upper
106 100
91 200.4 142.3 264.3

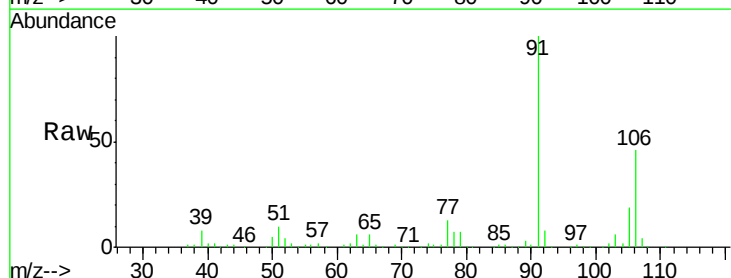


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

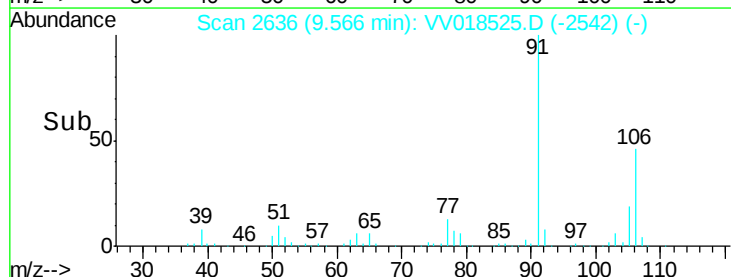
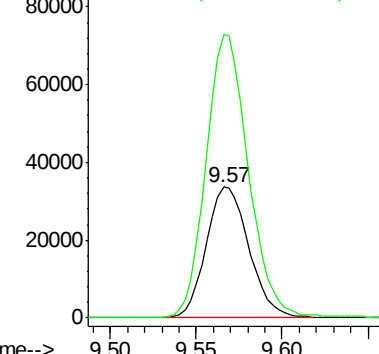


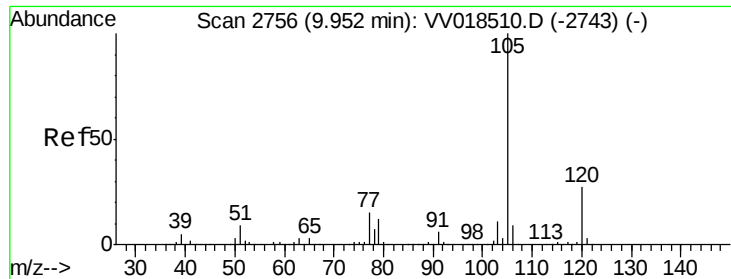
#54
o-xylene
Concen: 10.374 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018525.D
Acq: 29 Sep 2020 18:41

Tgt Ion:106 Resp: 58402
Ion Ratio Lower Upper
106 100
91 216.8 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 6.235 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

Instrument :

MSVOA_V

ClientSampleId :

BG3Y7ME

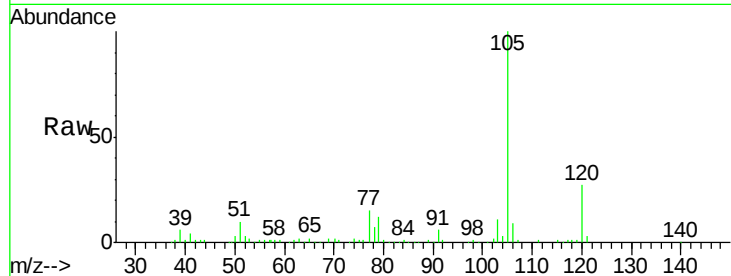
Tot Ion:105 Resp: 94137

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

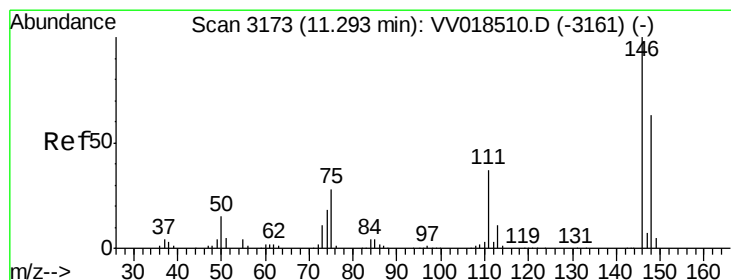
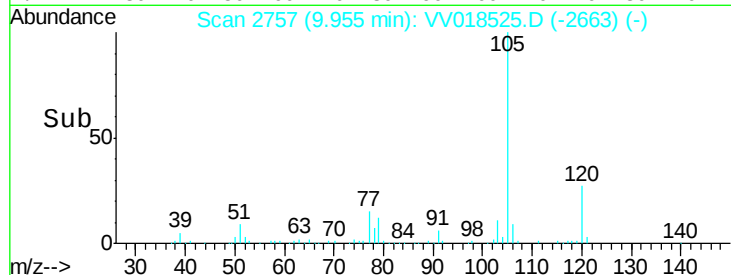
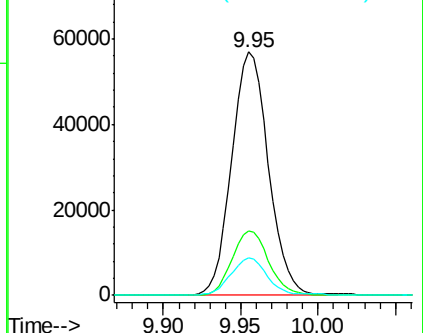
77 15.7 12.2 18.2



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



#63

1,4-Dichlorobenzene

Concen: 1.411 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

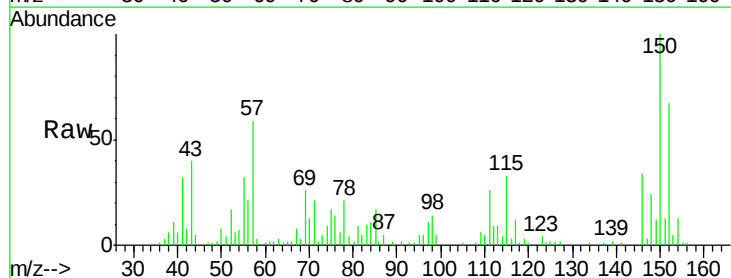
Tgt Ion:146 Resp: 10879

Ion Ratio Lower Upper

146 100

111 76.9 26.2 48.6#

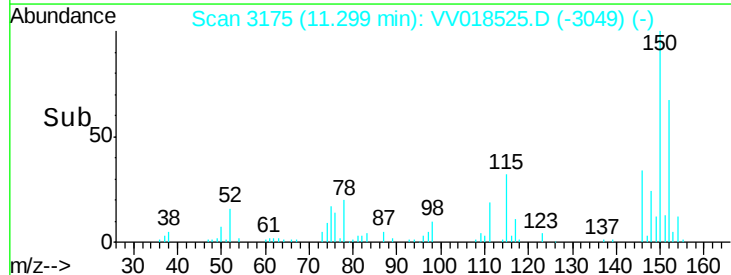
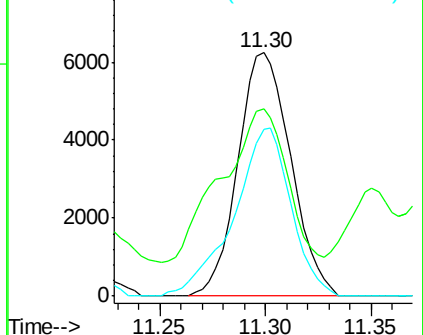
148 68.5 44.4 82.5

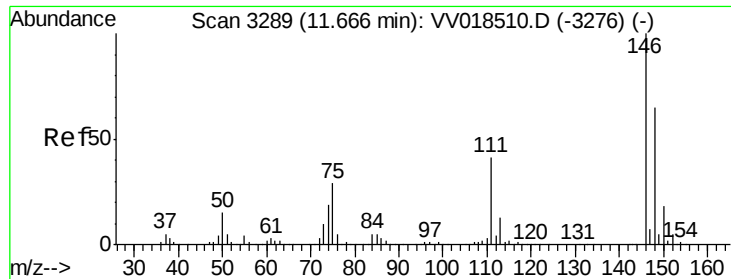


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.663 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

Instrument :

MSVOA_V

ClientSampleId :

BG3Y7ME

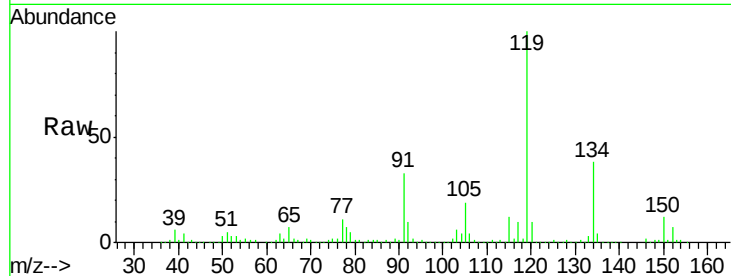
Tot Ion:146 Resp: 12319

Ion Ratio Lower Upper

146 100

111 65.8 32.8 49.2#

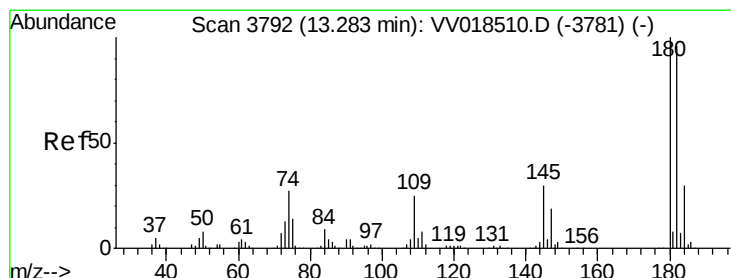
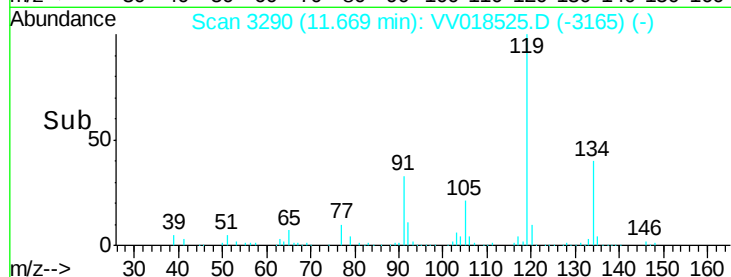
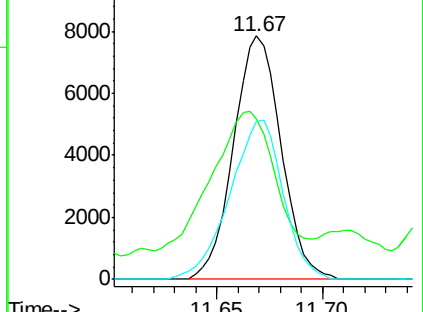
148 64.9 51.9 77.9



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: 1.842 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV018525.D

Acq: 29 Sep 2020 18:41

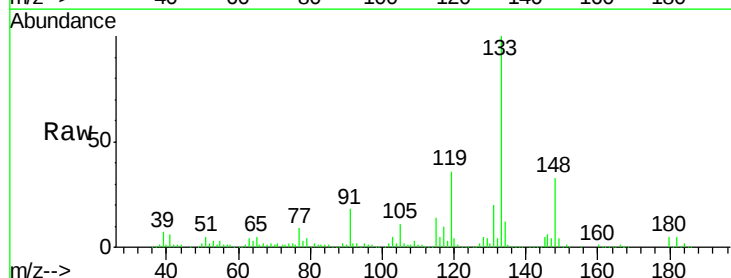
Tgt Ion:180 Resp: 8890

Ion Ratio Lower Upper

180 100

182 99.2 76.3 114.5

145 106.7 23.6 35.4#



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

